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PROJECT NUMBER #18237

NEW RESIDENCE HALL

PREPARED FOR:

NORTHERN KENTUCKY UNIVERSITY

KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099

PREPARED BY:

GEOTECHNICAL ENGINEERING

GEOTECHNOLOGY INC
FROM THE GROUND UP

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VOLUME 1

BID & PERMIT SUBMITTAL JANUARY 30, 2020

CURTIS J. MOODY
REGISTERED
NO. 4996
COMMONWEALTH
OF KENTUCKY
ARCHITECT

PRINT DATE: 2/3/2020 10:56:09 AM
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ABBREVIATIONS

SYMBOLS

&	AND
∠	ANGLE
@	AT
#	NUMBER / POUND
℄	CENTERLINE
℘	PROPERTY LINE

A

AB	ANCHOR BOLT
ABV	ABOVE
AC	AIR CONDITIONING / AIR CONDITIONER
ACOUS	ACOUSTICAL
ACT	ACOUTIC CEILING TILE
AD	AREA DRAIN
ADJ	ADJACENT / ADJUSTABLE
AFC	ABOVE FINISH CEILING
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALUM	ALUMINUM
ALT	ALTERNATE
AP	ACCESS PANEL
APPD	APPROVED
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECT / ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
AV	AUDIO VISUAL

B

BC	BOTTOM OF CURB
BD	BOARD
BET	BETWEEN
BIT	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM / BENCHMARK
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT UP ROOF

C

CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CIP	CAST IN PLACE
CI	CURB INLET
CJ	CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNSK	COUNTERSUNK
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS / CONTINUE
CONTR	CONTRACTOR
CORR	CORRIDOR / CORRUGATED
CPT	CARPET
CRS	COURSE
CT	CERAMIC TILE
CTR	CENTER
CW	COLD WATER

D

DBL	DOUBLE
DEMO	DEMOLISH
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DOOR OEPNING
DS	DOWNSPOUT
DW	DISHWASHER
DWG	DRAWING

E

E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN / EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION (ABOVE GRADE)
ELECT	ELECTRICAL
ELEV	ELEVATION (BUILDING ELEVATION)
ELV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
EP	ELECTRICAL PANEL / EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
EXPO	EXPOSED
EXIST	EXISTING
EXT	EXTERIOR

F

FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FHC	FIRE HOSE CABINET
FIN	FINISH OR FINISHED
FLR	FLOOR
FLG	FLASHING
FLUOR	FLUORESCENT
FO	FACE OF
FOF	FACE OF FINISH
FP	FIREPROOF
FRMG	FRAMING
FRP	FIBER REINFORCED PLASTIC
FT	FOOT OR FEET
FTG	FOOTING
FURN	FURNACE
FURR	FURRING
FWC	FABRIC WALLCOVERING

G

GA	GAGE / GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GEN	GENERAL
GFI	GROUND FAULT INTERRUPT
GFRC	GLASS FIBER REINFORCED CONCRETE
GFCMU	GROUND FACE CONCRETE MASONRY UNIT
GL	GLASS OR GLAZING
GND	GROUND
GYP	GYPSUM
GWB	GYPSUM WALLBOARD

H

H	HEIGHT / HIGH
HB	HOSE BIB
HC	HOLLOW CORE
HDBD	HARDBOARD
HDCP	HANDICAP / HANDICAPPED
HDO	HIGH DENSITY OVERLAY
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR / HANDRAIL
HTG	HEATING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
HW	HOT WATER

I

ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDE
INSUL	INSULATION
INT	INTERIOR
INV	INVERT

J

JAN	JANITOR
JBOX	JUNCTION BOX
JST	JOIST
JT	JOINT

K

KIT	KITCHEN
KO	KNOCKOUT

L

L	LENGTH
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LF	LINEAR FOOT
LGTH	LENGTH
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	LIGHT
LTG	LIGHTING

M

MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MT	MARBLE TILE
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MUL	MULLION

N

N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE

O

OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFC	OFFICE
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD

P

PC	PRE-CAST
PERF	PERFORATED
PL	PLATE / PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PORC	PORCELAIN
POS	POINT OF SALE
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT / PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER

Q

QT	QUARRY TILE
QTY	QUANTITY

R

R	RADIUS / RISER
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
REF	REFRIGERATOR / REFERENCE
REINF	REINFORCED
REQD	REQUIRED
RES	RESILIENT
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RMV	REMOVE
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RWL	RAIN WATER LEADER

S

S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SC	SOLID CORE / SEALED CONCRETE
SCHED	SCHEDULE
SD	SMOKE DETECTOR / STORM DRAIN
SECT	SECTION
SHTG	SHEATHING
SHR	SHOWER
SHT	SHEET
SHT'G	SHEATHING
SIM	SIMILAR
SLV	SHORT LEG VERTICAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
SS	STAINLESS STEEL
SSK	SERVICE SINK
STA	STATION
STD	STANDARD
STL	STEEL
STM	STEAM
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SY	SQUARE YARD
SYM	SYMMETRICAL

T

T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TC	TOP OF CURB
TEL	TELEPHONE
THK	THICK(NESS)
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TP	TOP OF PAVEMENT
TS	TUBE STEEL
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
TZ	TERRAZZO

U

UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL

V

VCT	VINYL COMPOSITION TILE
VB	VAPOR BARRIER / VINYL BASE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VWC	VINYL WALL COVERING

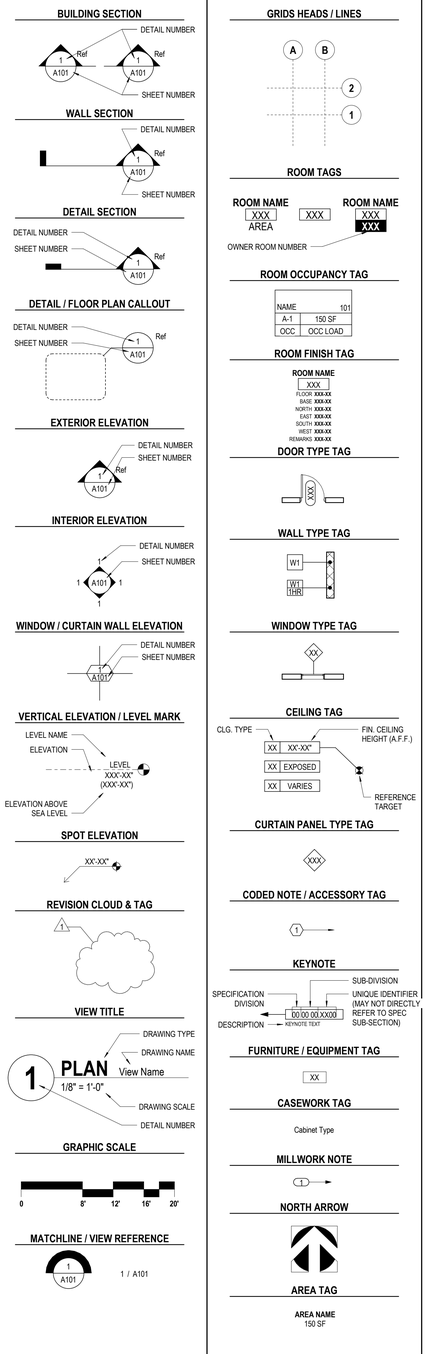
W

W	WEST / WIDTH
WF	WIDE FLANGE
WI	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WI	WROUGHT IRON
WP	WATERPROOF
WR	WATER RESISTANT
WSCT	WAINSCOT
WT	WEIGHT
WTR	WATER
WWF	WELDED WIRE FABRIC

Y

YD	YARD / YARD DRAIN

SYMBOLS LEGEND



GENERAL NOTES

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Grand total: 135	

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LV502	DETAILS
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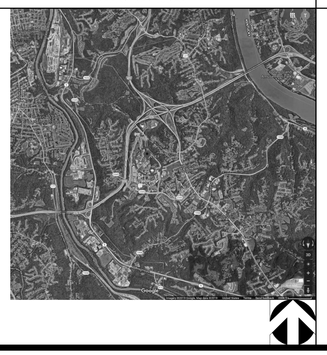
AV: 15	
Grand total: 82	

AREA MAP

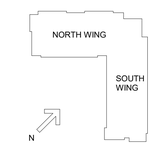


VICINITY MAP

MATERIALS LEGEND

ALUMINUM	GRANULAR FILL
ACOUSTIC CEILING	GYPSUM BOARD
BRICK	INSULATION - BATT
CONCRETE	INSULATION - RIGID
CONCRETE MASONRY	PLYWOOD
CONCRETE (SURFACE)	STEEL
EARTH	WOOD - ROUGH FRAMING
GLASS - LARGE SCALE	WOOD - ROUGH BLOCKING
GLASS - SMALL SCALE	WOOD - FINISHED

STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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DRAWING TITLE:

DRAWING INDEX

JANUARY 30, 2020

DRAWN BY: **XXX** | CHECKED BY: **DCB**

#18237

G001

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4296 COMMONWEALTH OF KENTUCKY ARCHITECT

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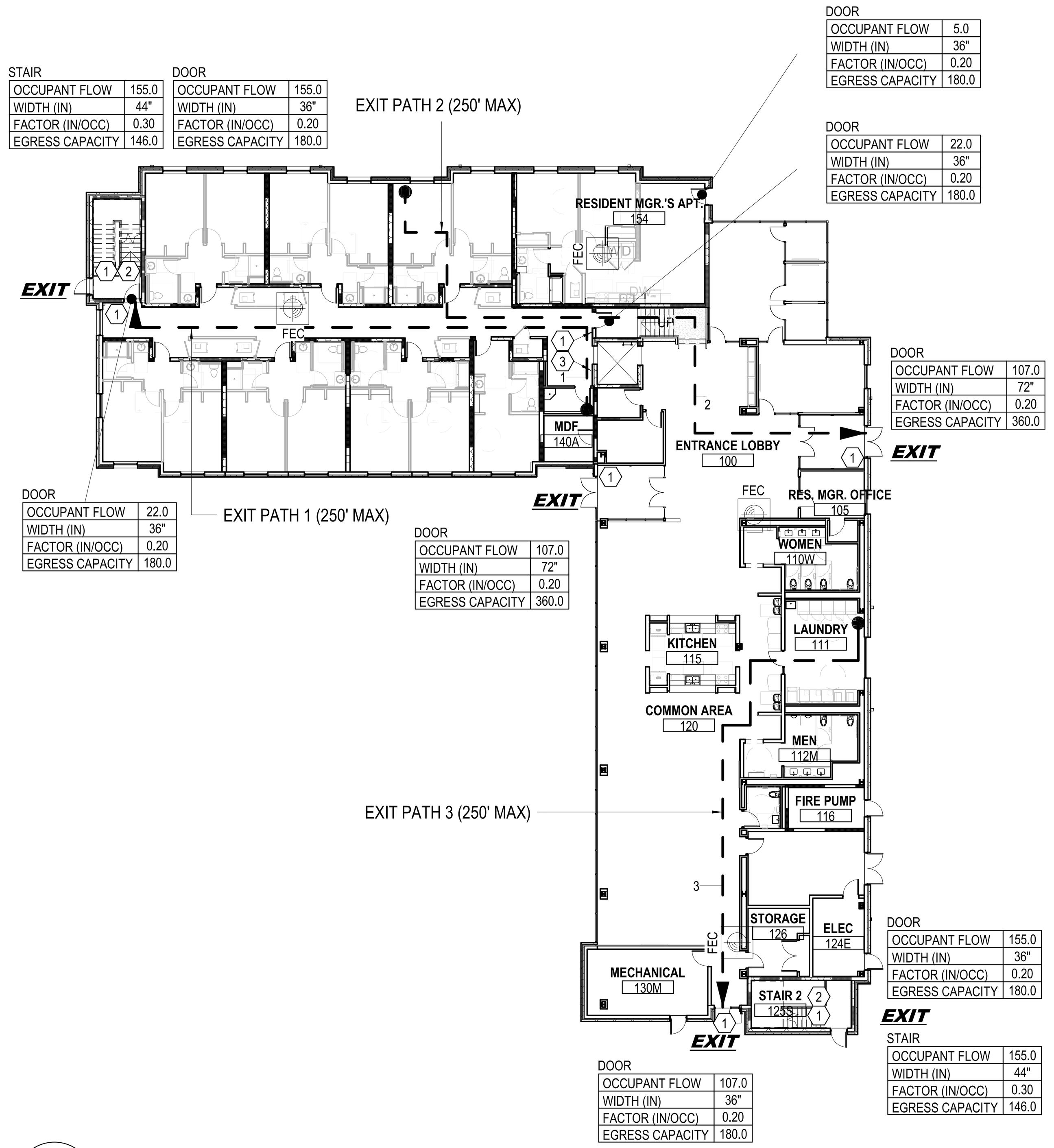
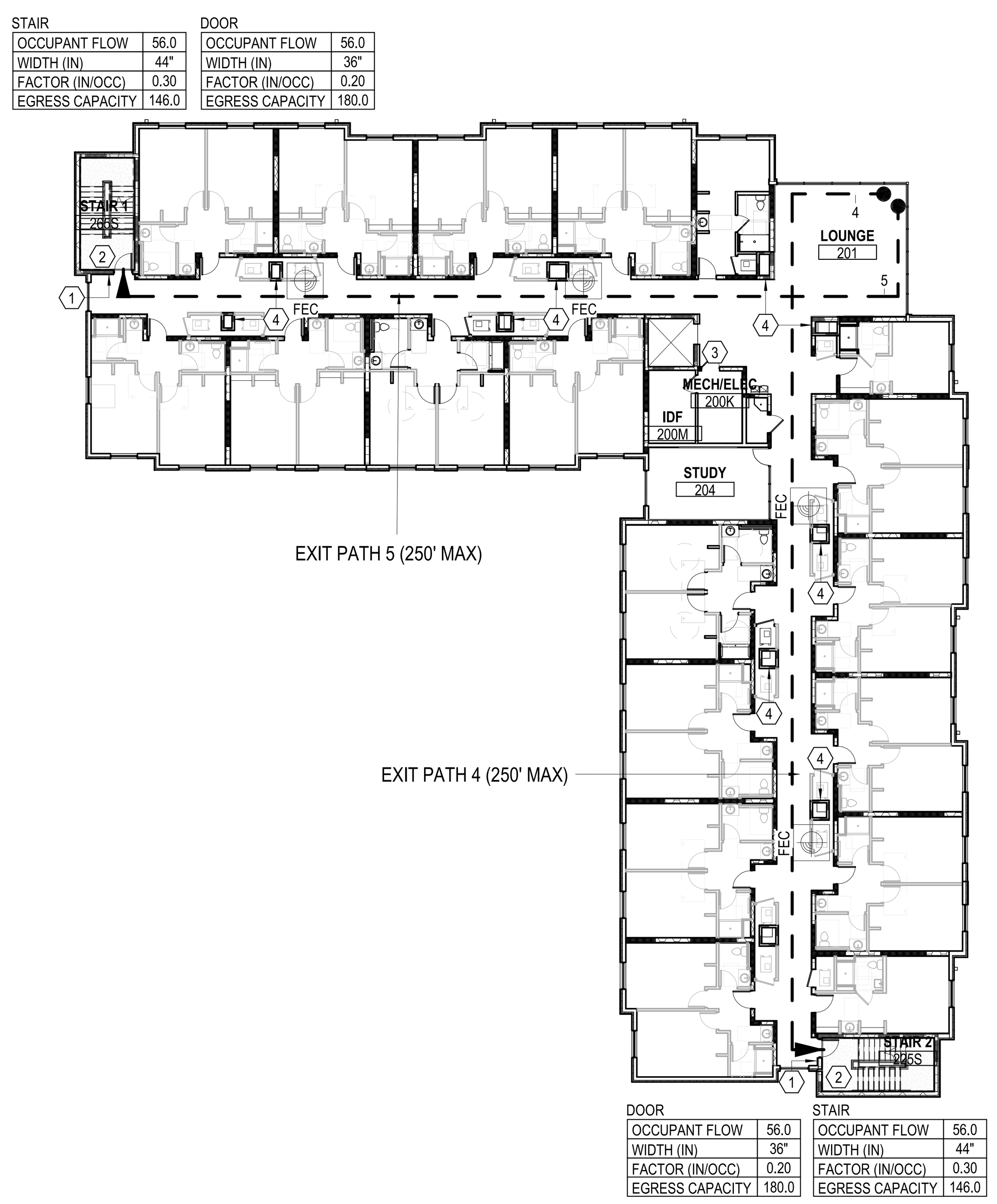


1 LIFE SAFETY PLAN - LEVELS 00 / 01

1" = 20'-0"



2 LIFE SAFETY PLAN - LEVELS 02, 03, 04, 05

1" = 20'-0"

EGRESS DATA

EXIT ROUTE	TYPE	DISTANCE
1	TOTAL	109' - 1"
2	TOTAL	136' - 11"
3	TOTAL	101' - 5"
4	TOTAL	169' - 7"
5	TOTAL	154' - 7"

PRINT DATE: 2/6/2020 4:55:29 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

BUILDING INFORMATION	
OWNER NAME	STATE OF KENTUCKY
OWNER ADDRESS	NORTHERN KENTUCKY UNIVERSITY LOUIE B NUNN DR, HIGHLAND HEIGHTS, KY 41099
OWNER PHONE	(859) 572-5122
SITE ADDRESS	NORTHERN KENTUCKY UNIVERSITY LOUIE B NUNN DR, HIGHLAND HEIGHTS, KY 41099
GENERAL CONTRACTOR	MESSER CONSTRUCITON
ADDRESS	
PHONE	
DESCRIPTION	
UNIVERSITY DORMATORY WITH 297 BEDS & 1 MANAGERS APARTMENT R-2 OCUPANCY W/ A-3 ASSEMBLY COMMON AREA ON THE MAIN LEVEL TYPE IIB CONSTRUCTION SPRINKLERED	

BUILDING CODES	
TITLE	**EDITION**
KY BUILDING CODE	2018 KBC
KY STATE PLUMBING CODE	2017 KSPC (815 KAR CHAPTER 20)
INTERNATIONAL MECHANICAL CODE	2015 IMC
INTERNATIONAL FIRE CODE	2015 IFC (ONLY WHEN SPECIFICALLY REFERENCED BY THE BODY OF KBC)
INTERNATIONAL ENERGY CONSERVATION CODE	2012 IECC (COMMERCIAL BUILDINGS ONLY)
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY	2010 ASHRAE 62.1
2009 ACCESSIBLE & USEABLE BUILDINGS & FACILITIES	2009 ICC A117.1
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 ADA
INSTALLATION OF SPRINKLER SYSTEMS	2013 NFPA 13
INSTALLATION OF STANDPIPE & HOSE SYSTEMS	2013 NFPA 14
NATIONAL FUEL GAS CODE	2012 NFPA 54
NATIONAL ELECTRICAL CODE	2017 NFPA 70
NATIONAL FIRE ALARM & SIGNALING CODE	2013 NFPA 72
STATE BOILER REGULATION	KRS 236, 815 KAR 15

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION		
SECTION		
KBC 303.4	A-3 (ASSEMBLY)	COMMON AREA / LOUNGE
KBC 310.5	R-2 (RESIDENTIAL)	DORMITORY SUITES, INCLUDING RESIDENT MANAGER'S APARTMENT; STUDY ROOMS

CHAPTER 4 - SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY		
SECTION 420: GROUPS I-1, R-1, R-2, R-3 AND R-4		
KBC 420.2	SEPARATION WALLS	WALLS SEPARATING DWELLING UNITS IN THE SAME BUILDING, WALLS SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND WALLS SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS FIRE PARTITIONS IN ACCORDANCE WITH SECTION 708.
KBC 420.3	HORIZONTAL SEPARATION	FLOOR ASSEMBLIES SEPARATING DWELLING UNITS IN THE SAME BUILDINGS, FLOOR ASSEMBLIES SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND FLOOR ASSEMBLIES SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 711.
KBC 420.5	AUTOMATIC SPRINKLER SYSTEM	GROUP R OCCUPANCIES SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.8.

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

GRADE PLAN ELEVATION:		
	ELEVATION 01:	822.5-ft
	ELEVATION 02:	816.43-ft
	ELEVATION 03:	816.56-ft
	ELEVATION 04:	816.73-ft
	ELEVATION 05:	816.62-ft
	ELEVATION 06:	823.0-ft
	AVERAGE GRADE PLANE	**818.64-ft**
FLOOR AREAS: REFER TO SHEET G003		
	LEVEL 0	8,658 GSF
	LEVEL 1	5,014 GSF
	LEVEL 2	14,137 GSF
	LEVEL 3	14,137 GSF
	LEVEL 4	14,137 GSF
	LEVEL 5	14,137 GSF
	TOTAL	70,220 GSF

SECTION/TABLE	CONSTRUCTION TYPE: II-B		
KBC SECTION 504 BUILDING HEIGHT AND NUMBER OF STORIES	**ALLOWABLE HEIGHT IN FEET ABOVE GRADE PLANE (KBC TABLE 504.3)**		
	USING SPRINKLERED ("S") CONDITION.	GROUP A-3	75 FT
		GROUP R-2	75 FT
	NEW GROUP R OCCUPANCIES ARE REQUIRED TO BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.8.		
	ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (KBC TABLE 504.4)		
	USING SPRINKLERED ("S") CONDITION	GROUP A-3	3 STORIES ***MOST RESTRICTIVE***
		GROUP R-2	5 STORIES
	NEW GROUP R OCCUPANCIES ARE REQUIRED TO BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.8.		
	ACTUAL HEIGHT		
	HEIGHT IN FEET	**60'-4"** (MEASURED FROM GRADE PLANE) ≤ ALLOWABLE FEET HEIGHT FT.	
	HEIGHT IN STORIES	GROUP A-3:	ONE (1) STORY ≤ THREE (3) STORIES.
		GROUP R-2:	FIVE (5) STORY ≤ FIVE (5) STORIES.

KBC SECTION 506: BUILDING AREA			
KBC 506.3	**FRONTAGE INCREASE (I_f)** [(F/P) - 0.25] W / 30	P (PERIMETER OF BLDG)	647.67 ft
		F (PERIMETER FRONTING PUBLIC WAY > 20-FT	647.67 ft
		W (WIDTH OF PUBLIC WAY)	30 ft
		[(647.67 / 647.67) - 0.25] 30 / 30	**.75**
KBC TABLE 506.2	**TABULAR ALLOWABLE FLOOR AREA [A_t]**		
	USING NON-SPRINKLERED ("NS") AND SPRINKLERED MULTIPLE STORY ("SM") CONDITIONS	GROUP A-3	NS: 9,500 S.F. ***MOST RESTRICTIVE*** SM: 28,500 S.F.
		GROUP R-2	NS: 16,000 S.F. SM: 48,000 S.F.
	NEW GROUP R OCCUPANCIES ARE REQUIRED TO BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.8.		
KBC 506.2.4	**ALLOWABLE AREA INCREASE (A_a) MIXED USE, MULTI-STORY BUILDING** $A_a = [A_t + (NS \times I_f)]$	GROUP A-3	A_t = 28,500 s.f. A_a = 28,500 sq. ft. + (9,500 sq. ft. × 0.75) A_a = 35,625 sq. ft.
		GROUP R-2	A_t = 48,000 s.f. A_a = 48,000 sq. ft. + (16,000 sq. ft. × 0.75) A_a = 60,000 sq. ft.

LEVEL 0	GROUP A-3	8,658 sf / 35,625 sf	0.24
LEVEL 1	GROUP R-2	5,014 sf / 60,000 sf	0.084
LEVEL 2	GROUP R-2	14,137 sf / 60,000 sf	0.24
LEVEL 3	GROUP R-2	14,137 sf / 60,000 sf	0.24
LEVEL 4	GROUP R-2	14,137 sf / 60,000 sf	0.24
LEVEL 5	GROUP R-2	14,137 sf / 60,000 sf	0.24
		SUM OF RATIOS:	1.284

SUM OF RATIOS FOR EACH FLOOR MUST BE LESS THAN OR EQUAL TO (4) PER EXCEPTION IN 506.2.4.

KBC SECTION 508: MIXED USE AND OCCUPANCY			
KBC 508.4	**SEPARATED OCCUPANCIES**		
KBC 508.4.1	**SEPARATED OCCUPANCY CLASSIFICATIONS**		
	KBC 303.4	A-3 (ASSEMBLY)	COMMON AREA / LOUNGE
	KBC 310.5	R-2 (RESIDENTIAL)	DORMITORY SUITES, INCLUDING RESIDENT MANAGER'S APARTMENT; STUDY ROOMS
KBC 508.4.4	**REQUIRED SEPARATION OF OCCUPANCIES (HOURS)**		
KBC TABLE 508.4	1 HOUR SEPARATION BETWEEN ASSEMBLY & RESIDENTIAL OCCUPANCIES USING SPRINKLERED CONDITION		
KBC SECTION 509: INCIDENTAL USES			
TABLE 509	LAUNDRY ROOM OVER 100 SQ.FT.	AN AUTOMATIC SPRINKLER SYSTEM IS PROVIDED IN ACCORDANCE WITH SECTION 903.3.1.1.	

CHAPTER 6 - TYPES OF CONSTRUCTION		
	CONSTRUCTION TYPE	2-B
TABLE 601		
	EXTERIOR BEARING WALLS	0 HR
	EXTERIOR NON-BEARING WALLS	0 HR
	INTERIOR BEARING WALLS	0 HR
	INTERIOR NON-BEARING WALLS	0 HR
	FLOOR CONSTRUCTION	0 HR
	ROOF CONSTRUCTION	0 HR
TABLE 602	EXTERIOR NON-BEARING WALLS	0 HR
	FIRE SEPARATION DISTANCE: ENTIRE PERIMETER IS BEYOND 30 FT. TO THE NEAREST PROPERTY LINE. THEREFORE NO FIRE RATING IS REQUIRED ON EXTERIOR NON-BEARING WALLS.	

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES		
KBC SECTION 708 FIRE PARTITIONS		
KBC 708.3	FIRE-RESISTANCE RATING FOR SEPARATION WALLS REQUIRED BY SECTION 420.2	**1 HOUR**
KBC 708.3, EXCEPTION 2	DWELLING UNIT AND SLEEPING UNIT SEPARATIONS IN BUILDINGS OF TYPE IIB...CONSTRUCTION.	NOT LESS THAN 1/2 HOUR IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.
KBC SECTION 711 HORIZONTAL ASSEMBLIES		
KBC 711.2.3	SUPPORTING CONSTRUCTION ASSOCIATED WITH HORIZONTAL ASSEMBLY AT LEVEL 2	**1 HOUR - UL D918**
	SUPPORTING CONSTRUCTION ASSOCIATED WITH HORIZONTAL ASSEMBLY AT 2-HOUR RATED SHAFTS	**2 HOUR - UL D918**
KBC 711.2.4.1	FIRE-RESISTANCE RATING FOR HORIZONTAL ASSEMBLIES OF MIXED OCCUPANCIES REQUIRED BY SECTION 508.4	**1 HOUR - UL D918**
KBC 711.2.4.3	HORIZONTAL ASSEMBLIES SEPARATING DWELLING UNITS AND SLEEPING UNITS OF TYPE II-B...CONSTRUCTION	**NOT LESS THAN 1/2 HOUR** IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1. - **UL D903**
KBC 713.4	SHAFT ENCLOSURES	**2 HOUR** FIRE BARREIRS - TYPICAL

CHAPTER 8 - INTERIOR FINISHES		
TABLE 803.11 **(SPRINKLERED)**	INTERIOR WALL & CEILING FINISH REQUIREMENTST BY OCCUPANCY FOR GROUP A-3	
	INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS	CLASS B
	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	CLASS B
	ROOMS & ENCLOSED SPACES:	CLASS C
	INTERIOR WALL & CEILING FINISH REQUIREMENTST BY OCCUPANCY FOR GROUP R-2	
	INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS	
	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	CLASS C
	ROOMS & ENCLOSED SPACES:	CLASS C

CHAPTER 9 - FIRE PROTECTION SYSTEMS	
KBC SECTION 903	AN AUTOMATIC SPRINKLER SYSTEM IS PROVIDED THROUGHOUT IN ACCORDANCE WITH SECTION 903.3.1.1.

CHAPTER 10 - MEANS OF EGRESS		
SECTION	REQUIREMENTS	FLOOR AREA PER OCCUPANT
TABLE 1004.1.2; OCCUPANT LOAD	UNCONCENTRATED (TABLES & CHAIRS)	15 NET SF / OCCUPANT
	ACCESSORY STORAGE AREAS; MECHANICAL EQUIPMENT ROOM	300 GROSS
	BUSINESS AREAS	100 GROSS
	RESIDENTIAL	200 GROSS

OCCUPANCY CALCULATION — TABLE 1004.1.2 — ***REFER TO SHEET G003 FOR ADDITIONAL INFORMATION***

LEVEL 00 ROOM NUMBER	NAME	FLOOR AREA (GSF, U.N.O.)	OCC. LOAD FACTOR (TABLE 1004.1.2)	OCCUPANTS
100V	VESTIBULE	132 S.F.	100 GSF / OCC	1.3
100	ENTRANCE LOBBY	819 sq ft	15 NSF / OCC	54.6
101	STUDY	333 S.F.	15 NSF / OCC	22.2
101A	STUDY	58 S.F.	50 NSF / OCC	1.2
101B	STUDY	59 S.F.	50 NSF / OCC	1.2
101C	STUDY	56 S.F.	50 NSF / OCC	1.1
102	STUDY	275 S.F.	15 NSF / OCC	18.3
105	OFFICE	115 S.F.	100 GSF / OCC	1.6
106	CLOSET	24 S.F.	100 GSF / OCC	0.2
110W	RESTROOM	202 S.F.	100 GSF / OCC	2.0
111	LAUNDRY	342 GSF	50 GSF / OCC	6.8
112M	RESTROOM	209 GSF	100 GSF / OCC	2.0
114	RESTROOM	59 GSF	100 GSF / OCC	0.6
116	FIRE PUMP	117 GSF	300 GSF / OCC	0.4
120	COMMON AREA	2,671 NSF	15 NSF / OCC	178
122M	MECHANICAL	327 sq ft	300 GSF / OCC	1.1
124E	ELECTRICAL	133 sq ft	300 GSF / OCC	0.4
125S	STAIR	182 sq ft	200 GSF / OCC	0.9
126	MDF	159 sq ft	300 GSF / OCC	0.5
130M	MECH / ELEC	302 sq ft	300 GSF / OCC	1.0
135V	VESTIBULE	142 sq ft	100 GSF / OCC	1.4
140	MECH / ELEC	110 sq ft	300 GSF / OCC	0.4
140A	IDF	82 sq ft	300 GSF / OCC	0.3
145	ELEV RM	45 sq ft	300 GSF / OCC	0.2
154	RESIDENT MGR	901 sq ft	200 GSF / OCC	4.5
			TOTAL LEVEL 00 OCCUPANT LOAD	**302.2 (303)**

LEVEL 01 ROOM NUMBER	NAME	FLOOR AREA (GSF, U.N.O.)	OCC. LOAD FACTOR (TABLE 1004.1.2)	OCCUPANTS
140B	CUSTODIAL	48 sq ft	300 GSF / OCC	0.2
150	CORRIDOR	809 sq ft	200 GSF / OCC	4.0
155	ADA UNIT C4	305 sq ft	200 GSF / OCC	1.5
155M	MECH	20 sq ft	300 GSF / OCC	0.1
158	UNIT B1	515 sq ft	200 GSF / OCC	2.6
158M	MECH	23 sq ft	300 GSF / OCC	0.1
159	ADA UNIT A4	550 sq ft	200 GSF / OCC	2.8
159M	MECH	21 sq ft	300 GSF / OCC	18.3
160	UNIT B2	515 sq ft	200 GSF / OCC	1.6
160M	MECH	46 sq ft	300 GSF / OCC	0.2
161	UNIT A1	549 sq ft	200 GSF / OCC	2.0
161M	MECH	46 sq ft	300 GSF / OCC	6.8
162	UNIT A1	543 sq ft	200 GSF / OCC	2.0
163	UNIT B2	522 sq ft	200 GSF / OCC	0.6
165S	STAIR	182 sq ft	200 GSF / OCC	1.0
			TOTAL LEVEL 01 OCCUPANT LOAD	**43.8 (44)**

OCCUPANCY CALCULATION (CONTINUED) — ***REFER TO SHEET G003 FOR ADDITIONAL INFORMATION***

LEVELS 02, 03, 04, 05 ROOM NUMBER	NAME	FLOOR AREA (GSF, U.N.O.)	OCC. LOAD FACTOR (TABLE 1004.1.2)	OCCUPANTS
x00	LOBBY	377 sq ft	200 GSF / OCC	1.9
x00H	CORRIDOR	926 sq ft	200 GSF / OCC	4.6
x00J	CUSTODIAL	30 sq ft	300 GSF / OCC	0.1
x00K	MECH/ELEC	97 sq ft	300 GSF / OCC	0.3
x00M	IDF	97 sq ft	300 GSF / OCC	0.3
x01	LOUNGE	489 sq ft	15 NSF / OCC	32.6
x03	UNIT C1	236 sq ft	200 GSF / OCC	1.2
x03M	MECH	21 sq ft	300 GSF / OCC	0.7
x04	STUDY	268 sq ft	15 NSF / OCC	17.9
x05	UNIT A1	542 sq ft	200 GSF / OCC	2.7
x05M	MECH	41 sq ft	300 GSF / OCC	0.1
x06	UNIT A2	535 sq ft	200 GSF / OCC	2.7
x06M	MECH	39 sq ft	300 GSF / OCC	0.1
x07	UNIT B2	512 sq ft	200 GSF / OCC	2.6
x08	UNIT A1	535 sq ft	200 GSF / OCC	2.7
x09	UNIT B1	511 sq ft	200 GSF / OCC	2.6
x09M	MECH	42 sq ft	300 GSF / OCC	0.1
x10	UNIT A2	535 sq ft	200 GSF / OCC	2.7
x10M	MECH	42 sq ft	300 GSF / OCC	0.1
x11	UNIT A2	542 sq ft	200 GSF / OCC	2.7
x12	UNIT B1	510 sq ft	200 GSF / OCC	2.6
x15	UNIT D1	279 sq ft	200 GSF / OCC	1.4
x15M	MECH	19 sq ft	300 GSF / OCC	0.1
x25S	STAIR	182 sq ft	200 GSF / OCC	0.9
x50H	CORRIDOR	836 sq ft	200 GSF / OCC	4.2
x52	ADA UNIT C3	271 sq ft	200 GSF / OCC	1.4
x52M	MECH	20 sq ft	300 GSF / OCC	0.1
x54	UNIT B2	535 sq ft	200 GSF / OCC	2.7
x54M	MECH	42 sq ft	300 GSF / OCC	0.1
x55	UNIT B1	511 sq ft	200 GSF / OCC	2.6
155M	MECH	20 sq ft	300 GSF / OCC	0.1
x58	UNIT B1	508 sq ft	200 GSF / OCC	2.5
x59	ADA UNIT A3	545 sq ft	200 GSF / OCC	2.7
159M	MECH	21 sq ft	300 GSF / OCC	0.1
x60	UNIT B2	509 sq ft	200 GSF / OCC	2.5
160M	MECH	46 sq ft	300 GSF / OCC	0.1
x61	UNIT A1	539 sq ft	200 GSF / OCC	2.7
x61M	MECH	41 sq ft	300 GSF / OCC	0.1
x62	UNIT A1	535 sq ft	200 GSF / OCC	2.7
x63	UNIT B2	514 sq ft	200 GSF / OCC	2.6
x65S	STAIR	182 sq ft	200 GSF / OCC	0.9
			LEVELS 02, 03, 04, 05 OCCUPANT LOAD PER LEVEL	**(110.9) 111**
			TOTAL	**444**
			LEVEL 00 OCCUPANT LOAD	303
			LEVEL 01 OCCUPANT LOAD	44
			LEVELS 02, 03, 04, 05 OCCUPANT LOAD	444
			TOTAL OCCUPANT LOAD	**791**

SECTION 1005: MEANS OF EGRESS SIZING

ROOM / SPACE / STORY	NUMBER OF OCCUPANTS	EGRESS WIDTH PER OCCUPANT (INCHES) KBC 1005.3.1, EXCEPTION 1 KBC 1005.3.2, EXCEPTION 1	REQUIRED WIDTH (INCHES)	PROVIDED WIDTH (INCHES)
LEVEL 00	302	0.2 (STAIRS)	61	
		0.15 (DOORS)	46	
		0.15 (OTHER EGRESS COMPONENTS)	46	
LEVEL 01	39	0.2 (STAIRS)	44	
		0.15 (DOORS)	32	
		0.15 (OTHER EGRESS COMPONENTS)	44	
LEVEL 02	104	0.2 (STAIRS)	44	
		0.15 (DOORS)	32	
		0.15 (OTHER EGRESS COMPONENTS)	44	
LEVEL 03	104	0.2 (STAIRS)	44	
		0.15 (DOORS)	32	
		0.15 (OTHER EGRESS COMPONENTS)	44	
LEVEL 04	104	0.2 (STAIRS)	44	
		0.15 (DOORS)	32	
		0.15 (OTHER EGRESS COMPONENTS)	44	
LEVEL 05	104	0.2 (STAIRS)	44	
		0.15 (DOORS)	32	
		0.15 (OTHER EGRESS COMPONENTS)	44	

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY KBC TABLE1006.3.1		MINIMUM NUMBER OF EXITS REQUIRED	NUMBER OF EXITS PROVIDED
	LEVEL 00	2	**3**
	LEVEL 01	2	**2**
	LEVELS 02, 03, 04, 05	2 (EACH STORY)	**2 (EACH STORY)**

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY KBC TABLE1006.3.1		MINIMUM NUMBER OF EXITS REQUIRED	NUMBER OF EXITS PROVIDED
	LEVEL 00	2	**3**
	LEVEL 01	2	**2**
	LEVELS 02, 03, 04, 05	2 (EACH STORY)	**2 (EACH STORY)**

MAXIMUM TRAVEL DISTANCE KBC TABLE 1006.3.2(2)	ASSEMBLY (A-3), RESIDENTIAL (R-2)	75-FT

ACCESSIBLE MEANS OF EGRESS KBC SECTION 1009	
SECTION 1009.3: STAIRWAYS	
48" CLEAR WIDTH OF HANDRAILS	NOT REQUIRED PER EXCEPTION 2 FOR SPRINKLER SYSTEM INSTALLED THROUGHOUT
AREAS OF REFUGE	NOT REQUIRED PER EXCEPTION 5 FOR SPRINKLER SYSTEM INSTALLED THROUGHOUT
SECTION 1009.4: ELEVATORS	
STAND-BY POWER	REQUIRED
AREAS OF REFUGE	NOT REQUIRED PER EXCEPTION 2 FOR SPRINKLER SYSTEM INSTALLED THROUGHOUT

EXIT ACCESS TRAVEL DISTANCE KBC SECTION 1017	OCCUPANCY	REQUIREMENT
	ASSEMBLY (A-3), RESIDENTIAL (R-2)	250-FT (USING SPRINKLERED CONDITION)

CHAPTER 29 - PLUMBING SYSTEMS

MINUMUM PLUMBING FIXTURES (KENTUCKY STATE PLUMBING LAW. 815 KAR 20:191)

		NUMBER OF OCCUPANTS		RATIOS PER SECTION 5: WATER CLOSET	URINAL	LAV.	DRINKING FOUNTAIN	BATHTUB / SHOWER	RAW FIXTURE COUNT (NOT ROUNDED): WATER CLOSET	URINAL	LAV.	DRINKING FOUNTAIN	BATHTUB / SHOWER
	A-3	MALE	151	1/125	-	1/200	1/500		2		1	6	
		FEMALE	151	1/65					3		1		
								FIXTURE TOTAL	**5**		**2**	6	
	R-2	(84) DWELLING UNITS		(1) PER		(1) PER		(1) PER	84		84		84
								TOTAL FIXTURES	**89**		**86**		**84**

(5) JANITOR SINKS PROVIDED
(6) DRINKING FOUNTAINS PROVIDED

SLEEPING UNIT TYPES

PROJECT UNIT DESIGNATION	DWELLING UNIT CLASS DESIGNATION	SUITES	SLEEPING UNIT	TYPE A	TYPE B	ACCESSIBLE (IBC 2015 TABLE 1107.6.1.1): WITHOUT ROLL-IN SHOWER	WITH ROLL-IN SHOWER	TOTAL ACCESSIBLE
A1, A2, A3, A4, B1, B2	**2 BR - 4 PERSON SUITE**	70	140	NA	135	3	1	4
D1	**1 BR - 2 PERSON SUITE**	4	4	NA	0	0	0	0
C1, C2, C4	**1 BR - 1 PERSON SUITE**	9	9	NA	4	3	1	4
	TOTAL	83	153	**0**	**139**	**6**	**2**	**8**
	MINIMUM REQUIRED			NA*	***	6**	2**	8**

** PER IBC 1107.6.2.3 ACCESSIBLE UNITS AND TYPE B UNITS SHALL BE PROVIDED FOR GROUP R-2.*
*** PER IBC 1107.6.2.3.1 ACCESSIBLE UNITS SHALL BE PROVIDED ACCORDING TO TABLE 1107.6.1.1.*
**** PER IBC 1107.6.2.3.2 EVERY UNIT SHALL BE A TYPE B UNIT, &*
**** PER IBC 1107.2 UNITS REQUIRED TO BE TYPE B UNITS ARE PERMITTED TO BE DESIGNED AND CONSTRUCTED AS ACCESSIBLE UNITS.*
NOTE: UNIT C3 IS NOT USED IN THIS PROJECT.

STATE OF KENTUCKY APPROVAL

CODED NOTE LEGEND

1. TACTILE EXIT SIGN
2. FLOOR IDENTIFICATION SIGN
3. IN CASE OF EMERGENCY SIGN
4. TWO-HOUR RATED MECHANICAL SHAFT

FIRE EQUIPMENT LEGEND

- FE — FIRE EXTINGUISHER
- FEC — FIRE EXTINGUISHER AND CABINET
- FEVC — FIRE EXTINGUISHER / VALVE CABINET
- FVC — FIRE DEPARTMENT / VALVE CABINET

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION TO DECK
- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
- 1 HOUR RATED BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK

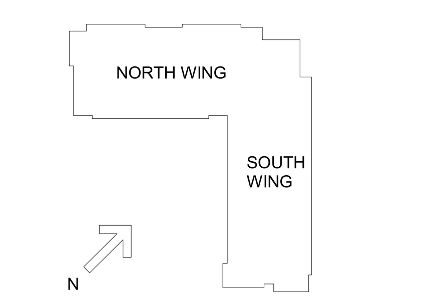
LIFE SAFETY PLAN LEGEND

STAIR	
OCCUPANT FLOW	0.0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.20
EGRESS CAPACITY	0.0

DOOR	
OCCUPANT FLOW	0
WIDTH (IN)	0"
FACTOR (IN/OCC)	0.2
EGRESS CAPACITY	0

ROOM: NAME 101; OCCUPANCY GROUP — A-1; ROOM SF — 150 SF; OCCUPANCY LOAD FACTOR — OCC; OCCUPANT LOAD — OCC LOAD

PATH OF EGRESS



#	DATE	CHANGE DESCRIPTION

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
CODE DATA

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020
DRAWN BY: **MTA** CHECKED BY: **DCB**
#18237
G002
BID & PERMIT SUBMITTAL

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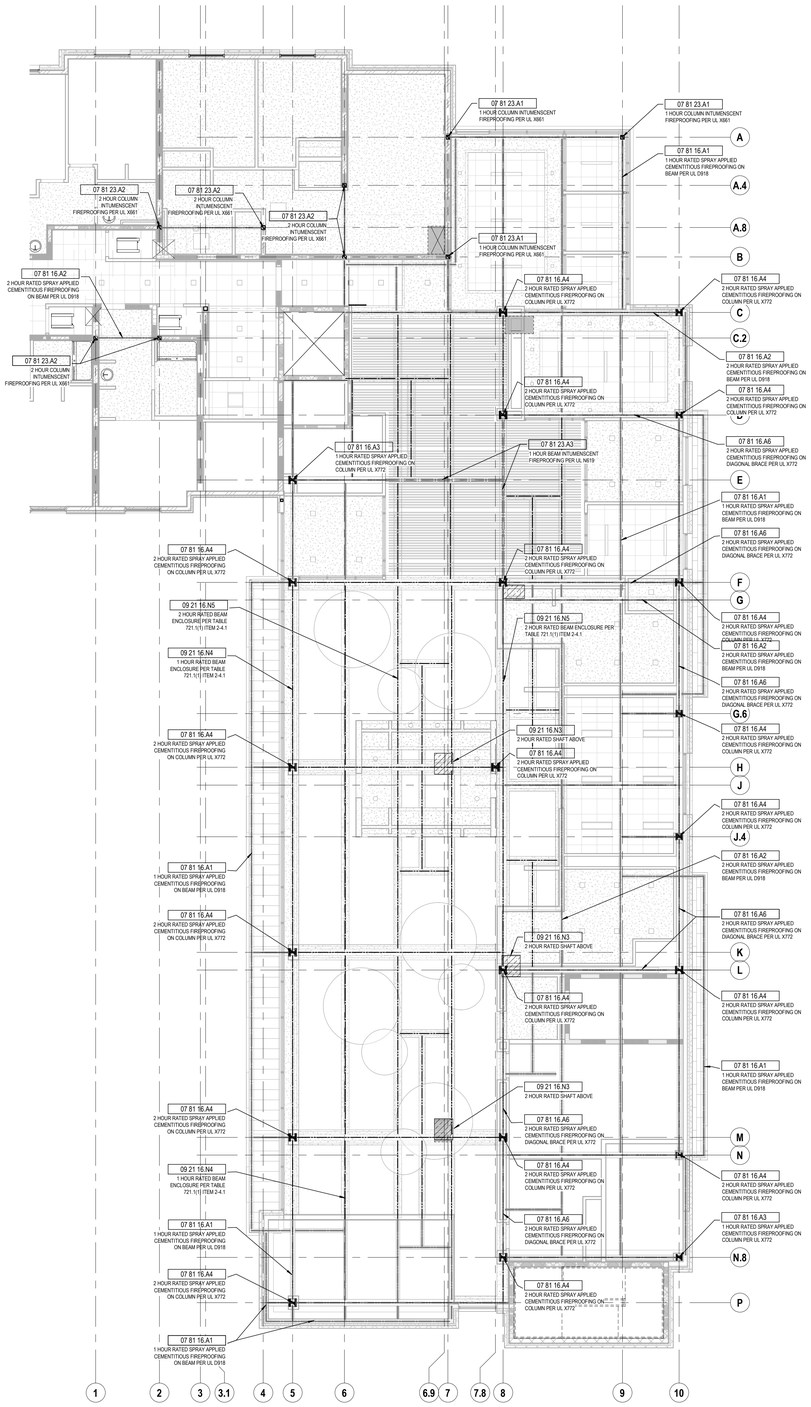
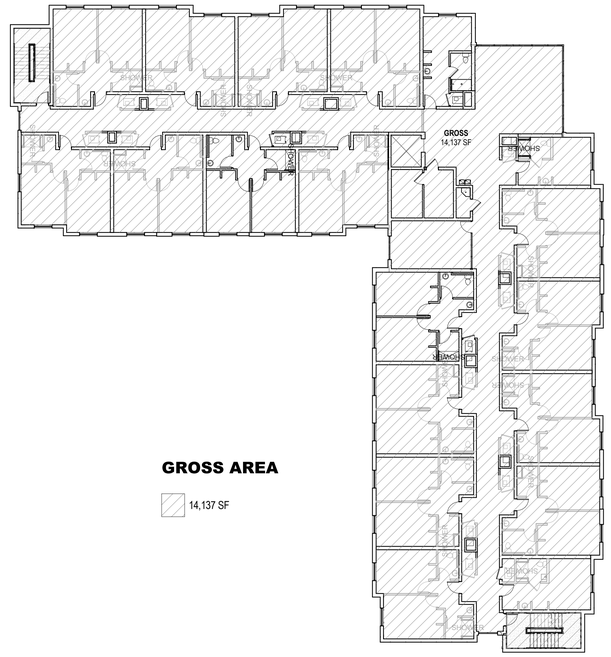


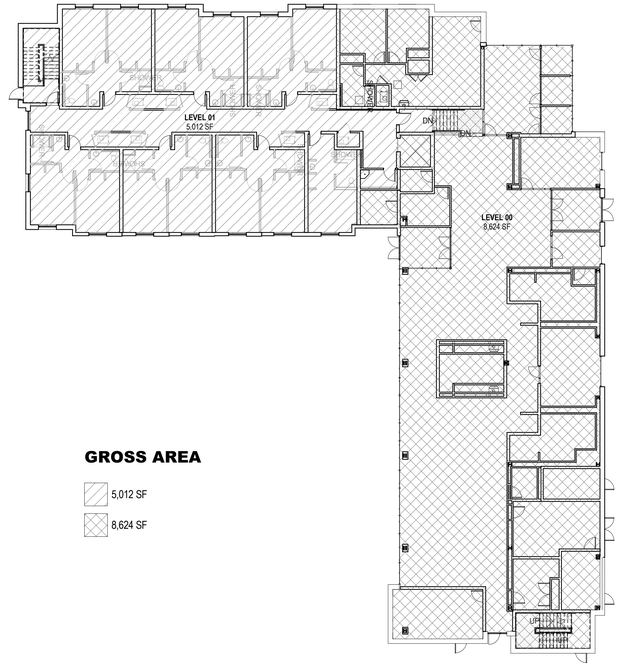
5 PLAN LEVEL 00 - RATED STRUCTURE
1/8" = 1'-0"



GROSS AREA

14,137 SF

2 LEVEL 02 / 03 / 04 / 05 - GROSS AREA
1/16" = 1'-0"

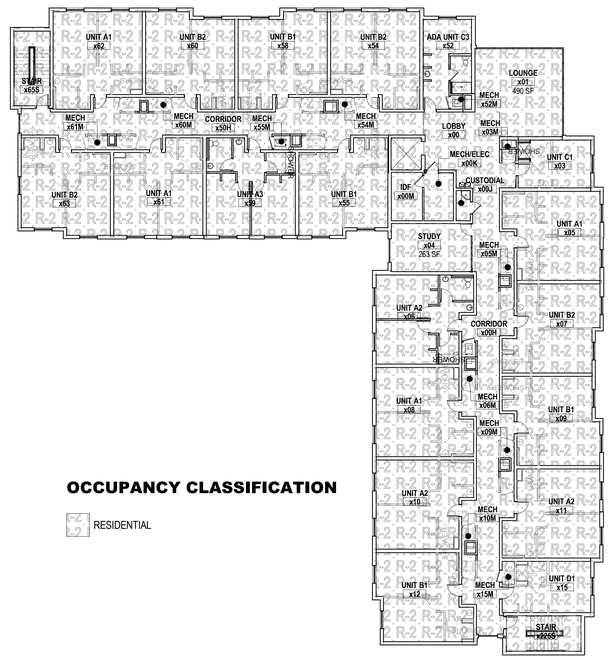


GROSS AREA

5,012 SF

8,624 SF

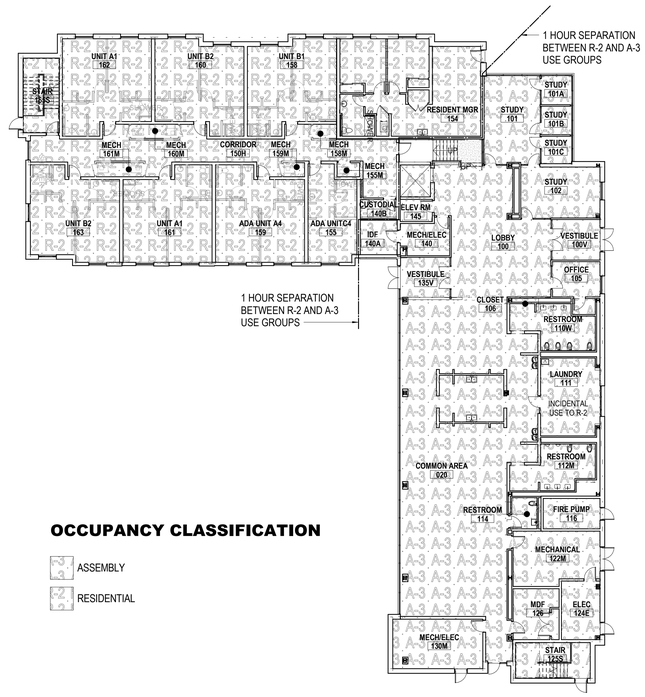
1 LEVEL 00 / 01 - GROSS AREA
1/16" = 1'-0"



OCCUPANCY CLASSIFICATION

RESIDENTIAL

4 LEVELS 02, 03, 04 & 05
1/16" = 1'-0"



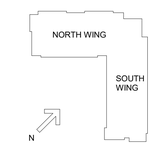
OCCUPANCY CLASSIFICATION

ASSEMBLY

RESIDENTIAL

3 LEVEL 01
1/16" = 1'-0"

STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
AREA PLANS & RATED CONSTRUCTION

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: DCB

#18237

G003

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 4:55:53 PM
FILE INFO: BM 3930 (NKU) - New Residence Hall/NKU-10076-01_ARCH.rvt

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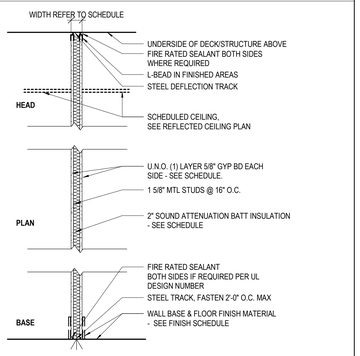
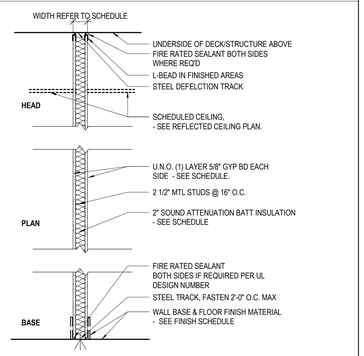
TYPE 1 - 1 5/8" METAL STUD WALL TYPES



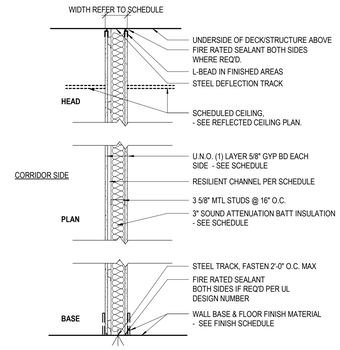
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
2G	3 1/8"	2 1/2"	Yes	No	No	0HR			Yes	04	
2H	3 1/8"	2 1/2"	Yes	No	No	0HR			No	04	
2K	3 1/8"	2 1/2"	Yes	No	No	0HR			No	05	

TYPE 2 - 2 1/2" METAL STUD WALL TYPES



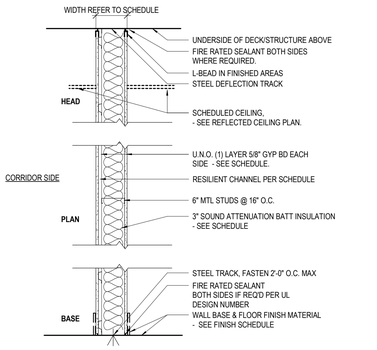
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
2G	3 1/8"	2 1/2"	Yes	No	No	0HR			Yes	04	
2H	3 1/8"	2 1/2"	Yes	No	No	0HR			No	04	
2K	3 1/8"	2 1/2"	Yes	No	No	0HR			No	05	

TYPE 3 - 3 5/8" METAL STUD WALL TYPES



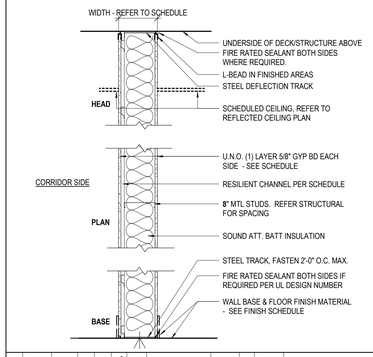
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
3C	4 7/8"	3 5/8"	No	Yes	No	0HR		49	Yes	04	
3D	4 7/8"	3 5/8"	No	Yes	No	0HR		40	No	04	
3F	4 7/8"	3 5/8"	No	Yes	No	0HR			No		
3G	6 1/8"	3 5/8"	No	Yes	Yes	2HR	UL# U411 OR U412	48	No	04	2 LAYERS TYPE "X" GYPSUM BOARD
3J	6 3/8"	3 5/8"	No	Yes	Yes	1HR	UL# U465	59	Yes	04	3 LAYERS TYPE "X" GYPSUM BOARD W/ RESILIENT CHANNEL
3K	4 1/4"	3 5/8"	Yes	No	No	0HR			No	02, 05	
3T	4 1/4"	3 5/8"	Yes	No	No	0HR		40 EST.	Yes	04	AT TOILET WALLS PROVIDE BRACING AT 4'-0" O.C. VERTICALLY AND HORIZONTALLY.

TYPE 4 - 6" METAL STUD WALL TYPES



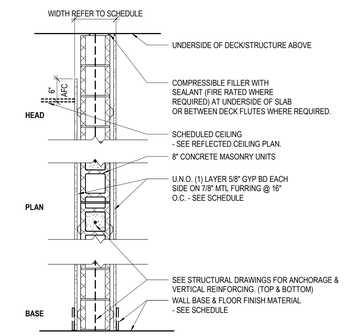
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
4A	7 1/4"	6"	No	Yes	Yes	1HR	UL# U465	40 EST.	No	04	
4B	7 1/4"	6"	No	Yes	Yes	1HR	UL# U465	47 EST.	Yes	04	
4C	7 1/4"	6"	No	Yes	No	0HR		47 EST.	Yes	04	
4D	7 1/4"	6"	No	Yes	No	0HR		40 EST.	No	04	
4E	7 7/8"	6"	No	Yes	Yes	1HR	UL# U411	62	Yes	06	3 LAYERS TYPE "X" GYPSUM BOARD
4F	7 1/4"	6"	No	Yes	No	0HR			No	05	
4G	8 1/2"	6"	No	Yes	Yes	2HR	UL# U411	62	Yes	06	2 LAYERS TYPE "X" GYPSUM BOARD ON EACH SIDE
4H	8 3/4"	6"	No	Yes	Yes	0HR		59	Yes	04	3 LAYERS TYPE "X" GYPSUM BOARD W/ RESILIENT CHANNEL
4J	8 3/4"	6"	No	No	No	1HR	UL# U452	59	No	04	3 LAYERS TYPE "X" GYPSUM BOARD W/ RESILIENT CHANNEL
4K	8 3/4"	6"	No	Yes	Yes	2HR	UL# U411	62	Yes	06	2 LAYERS TYPE "X" GYPSUM BOARD ON EACH SIDE
4P	6 5/8"	6"	Yes	No	Yes			47	Yes	03, 04	

TYPE 5 - 8" METAL STUD WALL TYPES



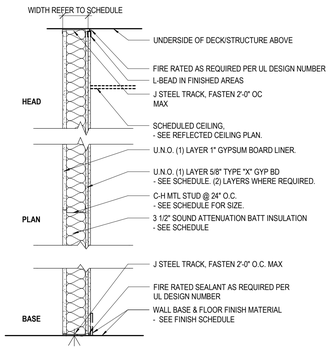
TYPE	WIDTH	Stud Width	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
5A	9 1/4"	7/8"	Yes	Yes	Yes	1HR	UL# U465		Yes	04	
5B	9 1/4"	8"	No	Yes	No	0HR			No	04, 12	
5C	10 3/4"	8"	No	Yes	Yes	1HR	UL# U452	59	Yes	04	3 LAYERS TYPE "X" GYPSUM BOARD W/ RESILIENT CHANNEL
5D	10 3/4"	8"	No	Yes	Yes	0HR		59	Yes	04	3 LAYERS TYPE "X" GYPSUM BOARD W/ RESILIENT CHANNEL
5E	10 3/4"	8"	No	Yes	Yes	2HR	UL# U452	59	Yes	04	2 LAYERS TYPE "X" GYPSUM BOARD ON EACH SIDE

TYPE 8 - 8" CONCRETE MASONRY WALLS



TYPE	WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	TYPE X" GYP. BD	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
8K	7 5/8"	No	No	No	2HR	UL# U905	48+	No	08	
8L	9 1/8"	Yes	No	No	2HR	UL# U905	48+	No	10	7/8" METAL FURRING @ 16" O.C
8X	11 7/8"	Yes	No	No	2HR	UL# U905	48+	No	10	3 5/8" METAL STUD FURR-OUT @ 16" O.C

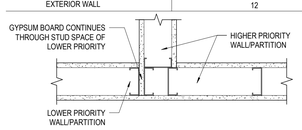
TYPE S - SHAFT WALL TYPES



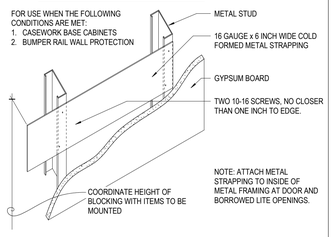
TYPE	WIDTH	STUD WIDTH	GYP. BD - 1 SIDE	GYP. BD - 2 SIDES	TYPE X" GYP. BD.	FIRE RATING	UL #	STC RATING	SOUND INSUL.	CODED NOTES	COMMENTS
S4	5 1/4"	4"	No	Yes	Yes	2HR	UL# U437	43+	No	06	2 LAYERS OF TYPE "X" GYPSUM BOARD

WALL/PARTITION PRIORITY LEGEND

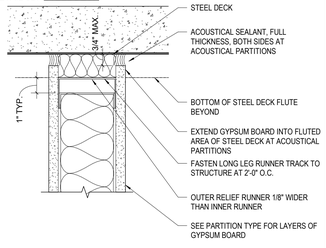
WALL/PARTITION FIRE RATING	PRIORITY
4 HOUR FIRE WALL	1
3 HOUR FIRE WALL	2
2 HOUR FIRE WALL	3
2 HOUR FIRE BARRIER	4
2 HOUR SMOKE BARRIER	5
1 HOUR FIRE BARRIER	6
1 HOUR SMOKE BARRIER	7
1 HOUR FIRE PARTITION	8
SMOKE PARTITION	9
ACOUSTICAL PARTITION	10
NON RATED PARTITION	11
EXTERIOR WALL	12



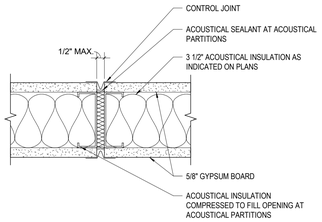
DETAIL 7D: METAL STRAPPING - VERTICAL / AXON



DETAIL 5B: STEEL DECK

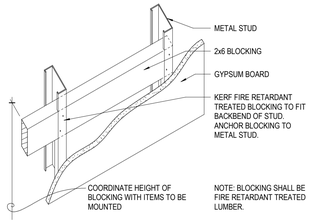


DETAIL 9C: CONTROL JOINT @ 1 HR PARTITION

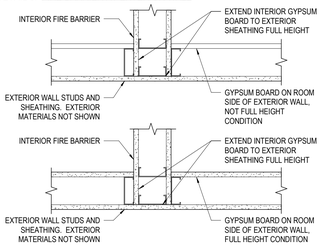


PER USG DETAIL

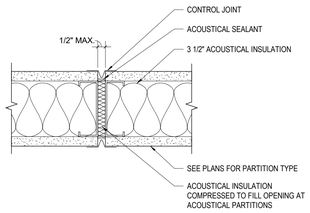
DETAIL 7C: WOOD BLOCKING - HORIZONTAL / AXON



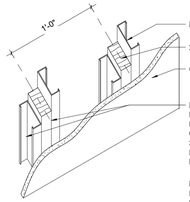
DETAIL 8: FIRE BARRIER AT EXTERIOR WALL



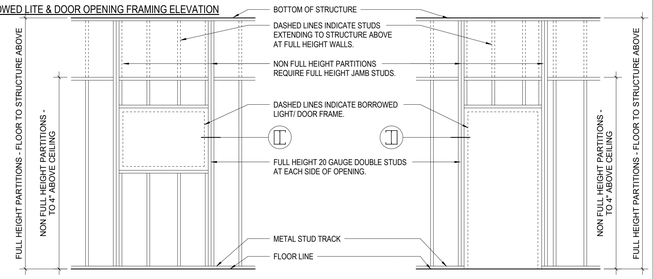
DETAIL 9B: ACOUSTICAL CONTROL JOINT



DETAIL 7B: WOOD BLOCKING - VERTICAL / AXON

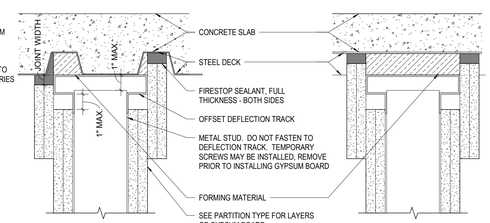


BORROWED LITE & DOOR OPENING FRAMING ELEVATION

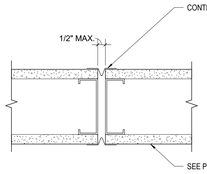


DETAIL 1B': STEEL DECK

CONCEALED OR EXPOSED
UL DETAIL: HEAD OF WALL DETAIL PER UL SYSTEM HW-D-0060.
RATING: 1, 2 AND 3 HOURS
DECK: ANY UL RATED STEEL / CONCRETE ASSEMBLY, RATING MUST BE EQUAL TO WALL. ANY UL P700, P800 OR P900 SERIES ROOF ASSEMBLY.
WALL: ANY UL U400 ASSEMBLY
JOINT WIDTH: 100% COMPRESSION OR EXTENSION

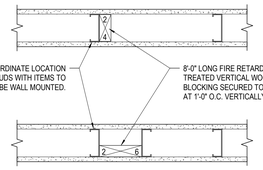


DETAIL 9A: TYPICAL CONTROL JOINT



DETAIL 7A: WOOD BLOCKING - PLAN

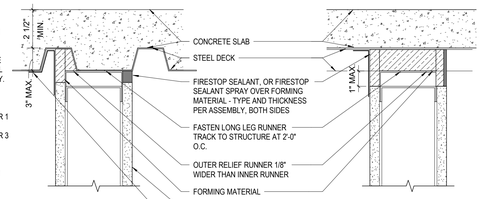
NOTE: BLOCKING SHALL BE FIRE RETARDANT TREATED LUMBER.



DETAIL 1C: STEEL DECK

CONCEALED
UL DETAIL: HEAD OF WALL DETAIL PER UL SYSTEM HW-D-0043.
RATING: 1, 2, 3 AND 4 HOURS
DECK: ANY UL D900 RATED STEEL / CONCRETE FLOOR - CEILING ASSEMBLY, OR ANY UL P900 SERIES ROOF - CEILING ASSEMBLY.
WALL: ANY UL U400 ASSEMBLY
JOINT WIDTH: 1" MAX. FOR 1 AND 2 HOUR
2" MAX. FOR 3 AND 4 HOUR
25% COMPRESSION OR EXTENSION FOR 1 & 2 HR
19% COMPRESSION OR EXTENSION FOR 3 & 4 HR

CONCEALED OR EXPOSED
UL DETAIL: HEAD OF WALL DETAIL PER UL SYSTEM HW-D-0034.
RATING: 1 AND 2 HOURS
DECK: ANY UL RATED STEEL / CONCRETE FLOOR - CEILING ASSEMBLY, OR ANY UL P900 SERIES ROOF - CEILING ASSEMBLY.
WALL: ANY UL U400 ASSEMBLY
JOINT WIDTH: 3/4" MAX.
25% COMPRESSION OR EXTENSION

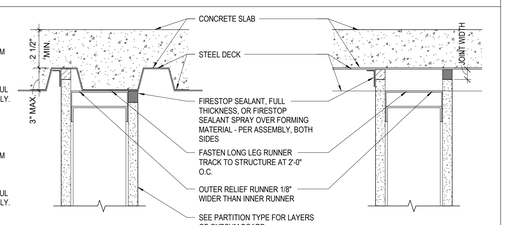


NOTE: WHEN THE STEEL DECK IS COATED WITH FIREPROOFING, THE FIRE STOP SEALANT SHALL OVERLAP THE FIREPROOFING A MIN. 2" ON BOTH SIDES.

DETAIL 1B: STEEL DECK

CONCEALED
UL DETAIL: HEAD OF WALL DETAIL PER UL SYSTEM HW-D-0060.
RATING: 1 AND 2 HOURS
DECK: ANY UL RATED STEEL / CONCRETE FLOOR - CEILING ASSEMBLY, OR ANY UL P900 SERIES ROOF - CEILING ASSEMBLY.
WALL: ANY UL U400 ASSEMBLY
JOINT WIDTH: 1" MAX
25% COMPRESSION OR EXTENSION

CONCEALED OR EXPOSED
UL DETAIL: HEAD OF WALL DETAIL PER UL SYSTEM HW-D-0103.
RATING: 1 AND 2 HOURS
DECK: ANY UL RATED STEEL / CONCRETE FLOOR - CEILING ASSEMBLY, OR ANY UL P900 SERIES ROOF - CEILING ASSEMBLY.
WALL: ANY UL U400 ASSEMBLY
JOINT WIDTH: 3/4" MAX
25% COMPRESSION



GENERAL NOTES

1. ALL DIMENSIONS TO FACE OF WALL U.N.O.
2. USE 5/8" WATER RESISTANT GYP. BD. ON ALL WET WALLS, UNO.
3. USE CEMENT BOARD FOR ALL WALLS TO RECEIVE CERAMIC TILE, UNO.
4. FIRE SAFE ALL JOINTS AND PENETRATIONS AT FIRE RATED PARTITIONS.
5. UL NUMBERS LISTED APPLY ONLY TO THE TESTED MANUFACTURERS. EQUAL MANUFACTURERS' EQUIVALENT ASSEMBLY INFORMATION MUST BE APPROVED BY ARCHITECT.
6. INSULATION MUST EXTEND FULL HEIGHT OF PARTITION. WHERE SOUND ATTENUATION BATTS ARE INDICATED IN PARTITIONS, INSTALL ACOUSTIC SEALANT AT BOTH SIDES, ALONG THE TOP AND BOTTOM, AND AT INTERSECTING PARTITIONS.
7. WHERE 3 5/8", 4" OR 6" STUD WALLS ARE INDICATED, SEE SPECIFICATIONS FOR HEIGHT LIMITS
8. REFER TO FINISH SCHEDULE FOR FINISHES.
9. PROVIDE ACOUSTIC SEALANT AT TOP & BOTTOM OF PARTITION AS REQUIRED BY STC RATING.

CODED NOTE LEGEND

1. BRACE EACH STUD @ 4'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
2. BRACE EACH STUD @ 8'-0" O.C. TO BACK-UP WALL FOR ENTIRE HEIGHT OF PARTITION.
3. SMOKE TIGHT SEAL SHALL BE PROVIDED AT TOP, BOTTOM AND ENDS OF WALL AND AT ALL PENETRATIONS.
4. FULL HEIGHT PARTITION. TERMINATE GYP. BD. AND STUDS AT DECK/STRUCTURE ABOVE.
5. STOP GYP. BD. AND STUDS 6" AFC. BRACE PARTITION TO DECK/STRUCTURE PER METAL STUD MANUFACTURER DESIGN LOADING CRITERIA.
6. FULL HEIGHT SHAFT WALL. TERMINATE GYP BD. AND STUDS AT DECK/STRUCTURE ABOVE.
7. FULL HEIGHT PARTITION. TERMINATE GYP BD., PLYWOOD AND STUDS AT DECK/STRUCTURE ABOVE.
8. FULL HEIGHT PARTITION. TERMINATE CMU AT DECK/STRUCTURE ABOVE.
9. STOP CMU FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCTURE PER STRUCTURAL DRAWINGS.
10. FULL HEIGHT PARTITION. TERMINATE CMU AT DECK ABOVE. STOP FURRING AND GYP. BD. @ 6" ABOVE FINISHED CEILING.
11. STOP WALL FULL COURSE ABOVE FINISH CEILING. BRACE WALL TO STRUCT. PER STRUCTURAL DRAWINGS.
12. WALLS WILL NOT CONTINUE TO LEVEL 2 DECKING BUT WILL SUPPORT AN INDEPENDENT CEILING AT COMMON AREA KITCHEN. SEE SECTION VIEW AT KITCHEN

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

WALL TYPES AND DETAILS

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: DCB

#18237

G007

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 4:56:13 PM
FILE INFO: BIM 360:\NKU - New Residence Hall\NKU-19976-01_ARCH.rvt

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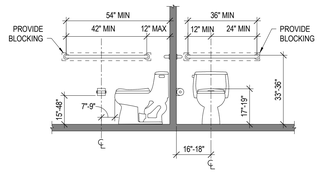
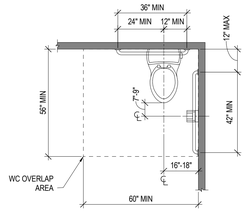
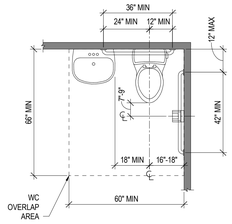


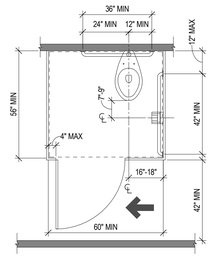
WHEELCHAIR ACCESSIBLE
WATER CLOSET CLEARANCES
(ELEVATIONS)



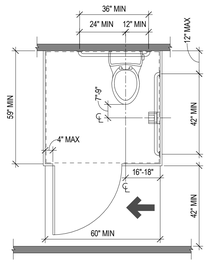
WHEELCHAIR ACCESSIBLE
WATER CLOSET CLEARANCES
(PLAN)



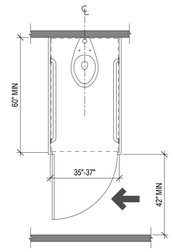
WHEELCHAIR ACCESSIBLE
WATER CLOSET CLEARANCES
(PLAN) (EXCEPTION FOR
RESIDENTIAL DWELLING UNITS)



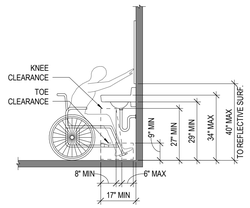
WHEELCHAIR ACCESSIBLE
TOILET COMPARTMENT
(WALL HUNG) (ADULT)



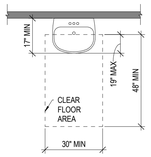
WHEELCHAIR ACCESSIBLE
TOILET COMPARTMENT
(FLOOR MOUNTED)
(ADULT & CHILDREN)



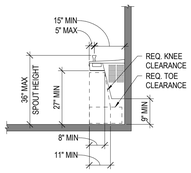
AMBULATORY ACCESSIBLE
TOILET COMPARTMENT



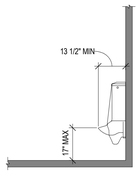
WHEELCHAIR ACCESSIBLE
SINK CLEARANCES
(ELEVATION)



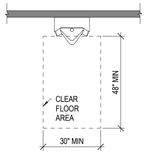
WHEELCHAIR ACCESSIBLE
SINK CLEARANCES
(PLAN)



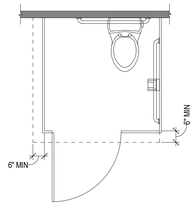
DRINKING FOUNTAIN
CLEARANCES



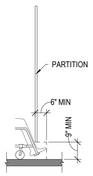
WHEELCHAIR ACCESSIBLE
URINAL
(ELEVATION)



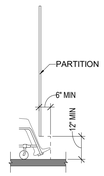
WHEELCHAIR ACCESSIBLE
URINAL
(PLAN)



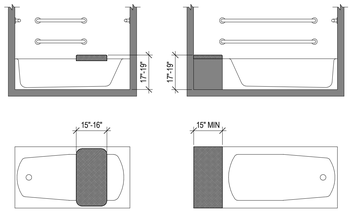
TOE CLEARANCE
REQUIREMENT
(PLAN)



TOE CLEARANCE
REQUIREMENT
(ELEVATION) (ADULT)



TOE CLEARANCE
REQUIREMENT
(ELEVATION) (CHILDREN)



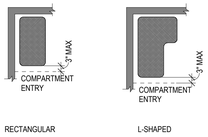
REMOVABLE IN-
TUB SEAT

PERMANENT
SEAT

STANDARD ROLL-IN THE SEAT SHALL BE FOLDING TYPE , INSTALLED ON THE SIDE WALL AND EXTEND FROM THE BACK WALL TO WITHIN 3" OF COMPARTMENT ENTRY.

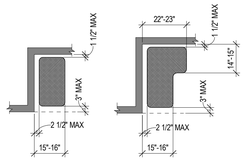
ALTERNATE ROLL-IN THE SEAT SHALL BE FOLDING TYPE, INSTALLED ON THE FRONT WALL, AND EXTEND FROM THE AJDACENT SIDE WALL TO WITHIN 3" OF COMPARTMENT ENTRY.

TRANSFER-TYPE THE SEAT SHALL EXTEND FROM THE BACK WALL TO WITHIN 3" OF COMPARTMENT ENTRY.



RECTANGULAR

L-SHAPED



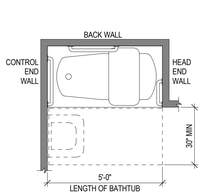
RECTANGULAR

L-SHAPED

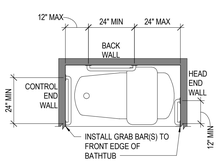
BATHTUB SEATS

EXTENT OF SEAT

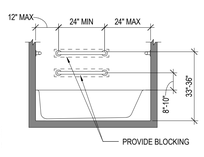
COMPLETE
DIMENSIONS OF SEAT



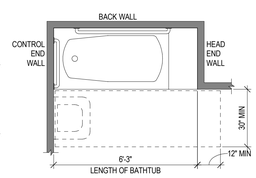
BATH TUB CLEARANCE
(REMOVABLE IN-TUB SEAT)



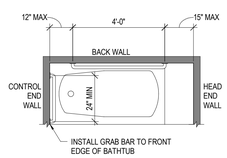
GRAB BAR LOCATIONS
(REMOVABLE IN-TUB SEAT)
(PLAN)



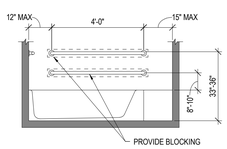
GRAB BAR LOCATIONS
(REMOVABLE IN-TUB SEAT)
(ELEVATION)



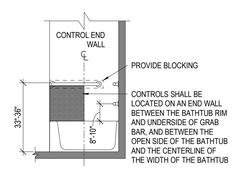
BATH TUB CLEARANCE
(PERMANENT SEAT)



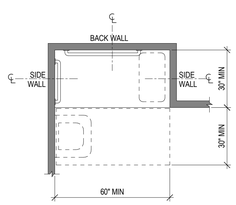
GRAB BAR LOCATIONS
(PERMANENT SEAT)
(PLAN)



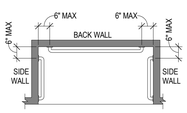
GRAB BAR LOCATIONS
(PERMANENT SEAT)
(ELEVATION)



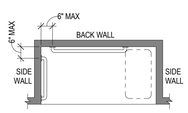
CONTROL LOCATIONS
(ELEVATION)



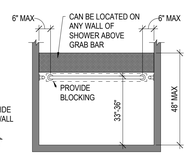
ROLL-IN TYPE SHOWER
CLEARANCE & COMPARTMENT SIZE



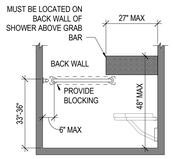
ROLL-IN TYPE SHOWER
GRAB BAR LOCATIONS
(NO SEAT)



ROLL-IN TYPE SHOWER
GRAB BAR LOCATIONS
(WITH SEAT)



ROLL-IN TYPE SHOWER
CONTROL LOCATIONS
(NO SEAT)



ROLL-IN TYPE SHOWER
CONTROL LOCATIONS
(WITH SEAT)

STATE OF KENTUCKY APPROVAL

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NKU NORTHERN KENTUCKY UNIVERSITY

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KENTON DRIVE & CARROLL DRIVE
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269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

2010 ADA STANDARDS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

G200

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 4:56:18 PM
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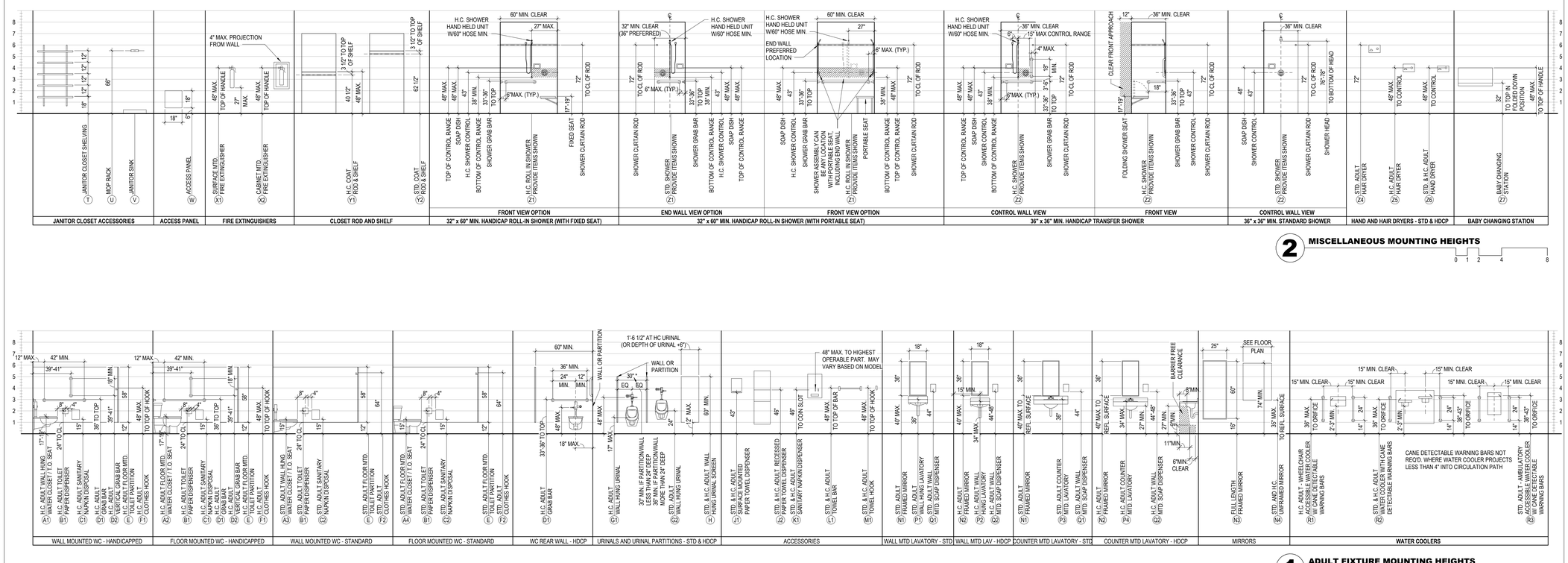


2 MISCELLANEOUS MOUNTING HEIGHTS

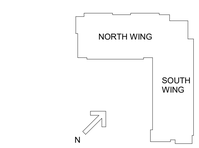
1 ADULT FIXTURE MOUNTING HEIGHTS

STATE OF KENTUCKY APPROVAL

GENERAL NOTES - MOUNTING HEIGHTS

1. **H.C.** INDICATES HANDICAPPED ACCESSIBLE FIXTURE
   STD. INDICATES STANDARD FIXTURE
   PK-K INDICATES FIXTURE INTENDED FOR PRE-KINDERGARTEN THROUGH KINDERGARTEN STUDENTS
   ELEM. INDICATES FIXTURE INTENDED FOR ELEMENTARY SCHOOL STUDENTS
   MIDDLE INDICATES FIXTURE INTENDED FOR MIDDLE SCHOOL STUDENTS
   ADULT INDICATES FIXTURE INTENDED FOR HIGH SCHOOL STUDENTS AND/OR ADULTS
2. GENERAL CONTRACTOR SHALL COORDINATE TOILET FIXTURE LOCATIONS WITH PLUMBING CONTRACTOR WITH RESPECT TO FLUSH VALVE HEIGHT AND HORIZONTAL LOCATION VS. GRAB BAR LOCATIONS.

   NOTE: GRAB BAR HEIGHT IS BASED ON ADAAG AND CANNOT BE CHANGED
   TOP OF SEAT HEIGHT IS BASED ADAAG AND CANNOT BE CHANGED
3. ALL MOUNTING HEIGHTS ARE ABOVE FINISH FLOOR (CRITICAL FOR ADA COMPLIANCE)
4. ALL DIMENSIONS ARE TO FACE OF FINISHED WALL (CRITICAL FOR ADA COMPLIANCE)
5. ALL DIMENSIONS TO CONTROLS ARE TO TOP OF BUTTON, LEVER OR KNOB
6. WHERE TOILET IS INDICATED TO BE "WALL HUNG OR FLOOR MTD" REFER TO PLUMBING DRAWINGS FOR EXACT FIXTURE



#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
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LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

MOUNTING HEIGHTS

JANUARY 30, 2020

DRAWN BY: XXX CHECKED BY: XXX

CURTIS J. MOODY REGISTERED NO. 4296 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

G201

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 4:56:24 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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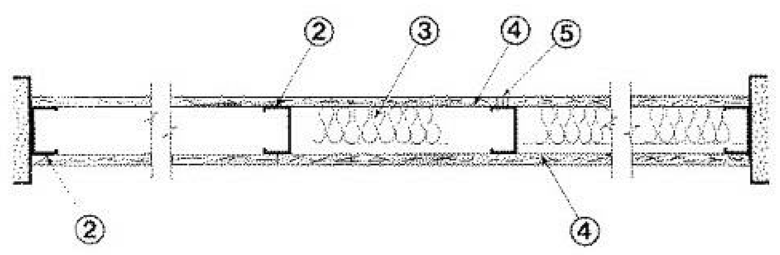
Design No. U465

July 12, 2018

Nonbearing Wall Rating — 1 HR.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Floor and Ceiling Runners — (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. Framing Members* — Floor and Ceiling Runners — (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

1B. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. Floor and Ceiling Runners — (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1E. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — TRUE-TRACK™

1F. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

KIRII (HONG KONG) LTD — Type KIRII

1G. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2H, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

TELLING INDUSTRIES L L C — Viper20™ Track

1J. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Items 1 — For use with Item 2 L, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

STEEL INVESTMENT GROUP L L C — AlphaTRAK

1K. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2M, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

1L. Framing Members* — Floor and Ceiling Runners — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CRACO MFG INC — SmartTrack20™

2. Steel Studs — Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. Framing Members* — Steel Studs — As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME Framing System

UNITED METAL PRODUCTS INC — Type SUPREME Framing System

2B. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRACO MFG INC — SmartStud20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. Steel Studs — (As an alternate to Item 2, For use with Item 4E) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2D. Framing Members* — Steel Studs — As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. Framing Members* — Steel Studs — As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

TELLING INDUSTRIES L L C — TRUE-STUD™

2F. Framing Members* — Steel Studs — As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.

KIRII (HONG KONG) LTD — Type KIRII

2G. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 through 2F — For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height.

STUDCO BUILDING SYSTEMS — CROCSTUD

Design No. U465 (continued)

2H. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

TELLING INDUSTRIES L L C — Viper20™

2I. Framing Members* — Steel Studs — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

EB METAL INC — NITROSTUD

2J. Framing Members* — Steel Studs — In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

OLMAR SUPPLY INC — PRIMESTUD

2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2L. Framing Members* — Steel Studs — As an alternate to Items 2 — For use with Item 1J, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

STEEL INVESTMENT GROUP L L C — AlphaSTUD

2M. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/4 in. less in length than assembly height.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

2N. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 1L, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.

CRACO MFG INC — SmartStud20™

3. Batts and Blankets* — (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.

See Batts and Blankets (BZJZ) category for names of Classified companies.

3A. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft3. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft3, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS735 & INS745 for use with wet or dry application. INS765LD and INS770LD are to be used for dry application only

3B. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) and Item 3A — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

3C. Fiber, Sprayed* — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft3.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

3D. Batts and Blankets* — For use with Item 8. Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.

See Batts and Blankets (BZJZ) category for names of manufacturers.

3E. Batts and Blankets* — For use with Item 4P and 4R. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4. Gypsum Board* — 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to Items 6 (resilient channels) or 6A, 6B, 6C, 6D, or 6E (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.

ACADIA DRYWALL SUPPLIES LTD — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass, LightRoc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, Type X, Type X-1, Type C, Type X-2, 5/8" Easi-Lite Type X, Easi-Lite Type X-2

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS

PANEL REY S A — Types GREX, PRC, PRC2, PRX, RHX, MDX, ETX

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4A. Gypsum Board* — (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CERTAINTEED GYPSUM INC — Type X, Type X-1, Type C, Type X-2, Type EGRG/ GlasRoc, GlasRoc-2, Type SilentFX, Easi-Lite Type X-2

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD

GEORGIA-PACIFIC GYPSUM L L C — Types DAP, DAPC, DGG, DS

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO — Types AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4B. Gypsum Board* — (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.

CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

4C. Gypsum Board* — As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.

GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

4D. Gypsum Board* — As an alternate to Items 4, 4A, 4B, and 4C — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications. When used in widths other than 48 in., gypsum panels to be installed horizontally.

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSL, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSMR-C

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4E. Gypsum Board* — (As an alternate to Items 4 through 4D) — Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 12 in. OC.

NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

4F. Gypsum Board* — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP — Type RB-LBG

4G. Gypsum Board* — (As an alternate to Items 4 through 4F) — For use with Items 1D and 2D only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A, LGFC-C/A

NATIONAL GYPSUM CO — Types FSW

UNITED STATES GYPSUM CO — Type SCX

USG BORAL DRYWALL SFZ LLC — Type SCX

4H. Gypsum Board* — (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

4I. Gypsum Board* — (As an alternate to Items 4 through 4F) — For use with Items 1E and 2E only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.

UNITED STATES GYPSUM CO — Type SCX

USG BORAL DRYWALL SFZ LLC — Type SCX

4J. Gypsum Board* — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A).

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4K. Gypsum Board* — (As an alternate to Item 4 and 4A, not for use with Items 1D, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A.

CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

4L. Gypsum Board* — (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

4M. Gypsum Board* — (For use with Item 8) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound.

AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type FRPC, Type C, Type X-2

CGC INC — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REY S A — Types PRC, PRC2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR

4N. Wall and Partition Facings and Accessories* — (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4O. Gypsum Board* — As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Horizontal joints on the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.

NATIONAL GYPSUM CO — Type FSW

4P. Gypsum Board* — As an alternate to Item 4. For use with Item 3E, Batts and Blankets* — 5/8 in. thick, 4 ft wide, installed as described in Item 4.

UNITED STATES GYPSUM CO — Types ULIX

4Q. Gypsum Board* — 3/4 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track as described in Item 4 with screw length increased to min. 1- 1/8 in.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

4R. Gypsum Board* — As an alternate to Item 4D. For use with Item 3E, Batts and Blankets* — 5/8 in. thick, 4 ft wide, installed as described in Item 4.

NATIONAL GYPSUM CO — Type FSLX.

5. Joint Tape and Compound — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. Resilient Channel — (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F, 4J or 4L.

6A. Steel Framing Members* — (Not Shown) — As an alternate to Item 6, furring channels and Steel Framing Members as described below:
a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Not for use with Items 4F, 4J, or 4L.
b. Framing Members* — Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.

PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

6B. Framing Members* — (Not Shown) — (Optional on one or both sides) — As an alternate to Item 6, furring channel and Steel Framing Members as described below:
a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.
b. Steel Framing Members* — Used to attach furring channels (Item 6Ba) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.

PLITEQ INC — Type Genie Clip

6C. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.
b. Steel Framing Members* — Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.

STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

6D. Steel Framing Members* — (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:
a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Db. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.
b. Steel Framing Members* — UUsed to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC, and secured to studs with No.8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.

Design No. U465 (continued)

STUDCO BUILDING SYSTEMS — Type SonusClip

6E. Steel Framing Members* — (Optional, Not Shown) — Resilient channels and Steel Framing Members as described below:
a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 4.
b. Steel Framing Members* — Used to attach resilient channels (Item 6Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw.

KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — Nominal 1/2 in. thick, 4 ft wide panels, for optional use as an additional layer on one or both sides of the assembly. Panels attached in accordance with manufacturer's recommendations. When the QR-500 or QR-510 panel is installed between the steel framing and the UL Classified gypsum board, the required UL Classified gypsum board layer(s) is/are to be installed as indicated as to fastener type and spacing, except that the required fastener length shall be increased by a minimum of 1/2 in. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR-500 and QR-510

8. Mineral and Fiber Board* — (Optional, Not Shown) — For optional use as an additional layer on one side of wall. Nom 1/2 in. thick, 4 ft wide with long dimension parallel and centered over studs. Attached to studs and floor and ceiling runners with 1-5/8 in. long Type S steel screws, spaced 12 in. OC and 24 in. OC along all intermediate framing. The required UL Classified gypsum board layer (Item 4M) is to be installed over the Mineral and Fiber Boards. Batts and Blankets, Item 3D, and Adhesive, Item 11, are required.

HOMASOTE CO — Homasote Type 440-32

9. Lead Batten Strips — (Not Shown, For Use With Item 4E) — Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum board (Item 4E) and optional at remaining stud locations. Required behind vertical joints.
9A. Lead Batten Strips — (Not Shown, for use with Item 4J) — Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4J) and optional at remaining stud locations.
10. Lead Discs or Tabs — (Not Shown, For Use With Item 4E) — Used in lieu of or in addition to the lead batten strips (Item 8) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 4E) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

10A. Lead Discs — (Not Shown, for use with Item 4J) — Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

11. Adhesive — Not Shown — (For use with Item 8) — Construction grade adhesive applied in vertical, serpentine, nominal 3/8 in. wide beads down the length of both vertical edges of Mineral and Fiber Board (Item 8).

12. Wall and Partition Facings and Accessories* — (Optional, Not Shown) — For use with Items 1 to 1I, Items 2 to 2J, Item 3, Items 4 to 4I, Item 5 and Item 6. For maximum fire rating of 1 hour. On one side of the wall, over the first layer of Gypsum Board (Item 4 to Item 4I), install RefleXor membrane with the gold side facing outwards. Membrane installed with T50 staples spaced 12 inches on center in both directions as per manufacturer's instructions, seams in membrane to be overlapped by 2 inches. When RefleXor membrane is used an additional layer of Gypsum Board that is identical to the one used in the first layer and as specified in Item 4 to Item 4I shall be installed over the membrane. The additional layer of Gypsum Board to be installed through the membrane to the stud as specified in Item 4 to Item 4I except the fastener length shall be increased by a minimum of 5/8 inch. Install Batts and Blankets in the stud cavity as per Item 3. On the other side of the wall, prior to the installation of the Gypsum Board, install Resilient Channels as per Item 6. Over the Resilient Channels install 3/4 inch thick SONOpan panel secured to the Resilient Channels with drywall screws and washers spaced at 16 in. OC on the perimeter of the panel and 8 in. OC in the field of the panel. Over the SONOpan panel install the same Gypsum Board as specified in Item 4 to Item 4I with the fastener length increased by minimum 3/4 inch. Not evaluated or intended as a substitute for the required layer(s) of UL Classified Gypsum Board.

MSL — RefleXor membrane, SONOpan panel

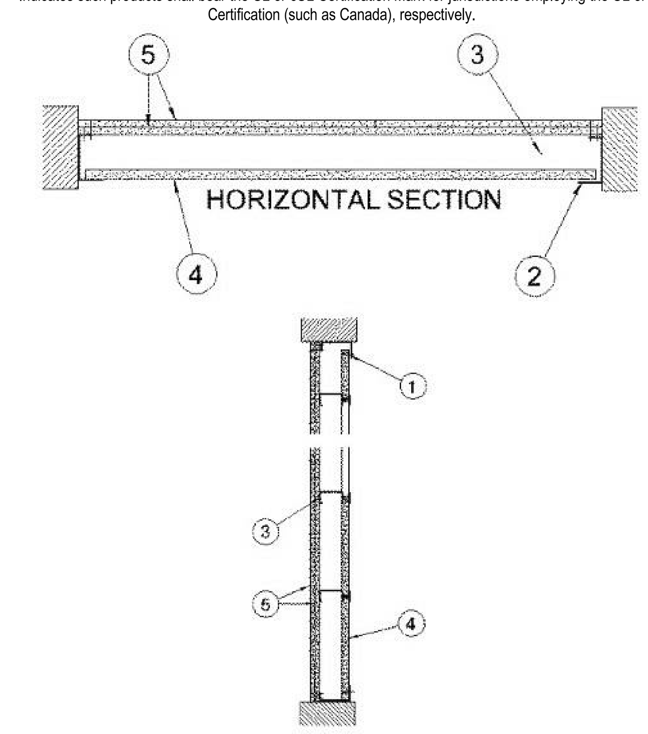
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Design No. U437

May 30, 2017

Nonbearing Wall Ratings — 1 or 2 Hr (See Item 5)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Floor and Ceiling Runners — "J"-shaped runner, min 4 in. deep with unequal legs of 1 in. and 2 in., fabricated from 20 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and spaced no more than 24 in. OC.

2. Vertical Runners — "J"-shaped runner, min 4 in. deep with unequal legs of 1 in. and 2 in., fabricated from 20 MSG galv steel. Vertical runners positioned at each end of the wall with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and spaced no more than 24 in. OC.

3. Steel Studs — "C-H" -shaped studs, min 4 in. deep, with 1-1/2 in. wide flanges, fabricated from 20 MSG galv steel. Installed horizontally, with the "C" section of the studs facing down, friction fitted in the vertical "J"-shaped runners resting upon 2 by 2 in. by 20 ga. steel angles which are fastened to the side "J"-shaped runners. Studs cut to lengths to allow a 3/8 to 1/2 in. gap at each end of the wall, and spaced vertically 24 in. or 600 mm OC. As an option, the studs may be screw attached to the side "J"-shaped runners. A total of four 1/2 in. long pan-head steel screws are to be installed, one at each end of the stud on each side of the wall.

4. Gypsum Board* — 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. or 600 mm (for metric spacing) widths. Panels cut to lengths 1 in. less than the width of the wall. Once between the vertical "J"-shaped runners, the panels are centered to split equally at each end the 1 in. gap. Installed horizontally, with the long edges inserted in the "H" section of the "C-H"-shaped studs. The top edge of the liner panel shall be cut 1 in. less than opening height to allow installation past the 1 in. leg of J-runner. Free edge of panels attached to the long leg of the top and bottom "J" -runners with 1-5/8 in. long Type S or S-12 steel screws spaced no more than 12 in. OC. The width of the wall is limited to the length of the liner panels (no butt joints in the liner panels).

CGC INC — Type SLX

UNITED STATES GYPSUM CO — Type SLX

USG BORAL DRYWALL SFZ LLC — Type SLX

USG MEXICO S A DE C V — Type SLX

5. Gypsum Board* — 5/8 in. thick, 24 to 54 in. wide gypsum panels applied vertically in one (1-hr system) or two (2-hr system) layers. Vertical joints between panels need not be backed by framing. Vertical joints between layers staggered a minimum of 12 in. Horizontal joints centered over studs and staggered a minimum of 24 in. in adjacent courses and 24 in. between layers. 1-Hr System: Single layer attached to studs and vertical and horizontal "J"-shaped runners with 1 in. long Type S or S-12 steel screws spaced 8 in. OC. Joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound. Joint tape and compound may be omitted when square edge panels are used. 2-Hr System: Base or inner layer attached to studs and vertical and horizontal "J"-shaped runners with 1 in. long Type S or S-12 steel screws spaced 12 in. OC. Outer or face layer attached to studs and vertical and horizontal "J"-shaped runners with 1-5/8 in. long Type S or S-12 steel screws spaced 8 in. OC. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound. Joint tape and compound may be omitted when square edge panels are used.

CGC INC — Type AR, IP-AR, IP-X1, SCX, ULX, or WRX

UNITED STATES GYPSUM CO — Type AR, FRX-G, IP-AR, IP-X1, SCX, ULX or WRX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type AR, IP-AR, IP-X1, SCX, ULX, or WRX

5A. Gypsum Board* — As an alternate to Item 5. For use with Item 6A, Batts and Blankets* for the 1 hour rating. 5/8 in. thick, 24 to 54 in. wide gypsum panels installed as described in Item 5.

UNITED STATES GYPSUM CO — Type ULIX

6. Batts and Blankets* — (Optional - Not shown) — Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.

6A. Batts and Blankets* — For use with Item 5A for the 1 hour rating. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

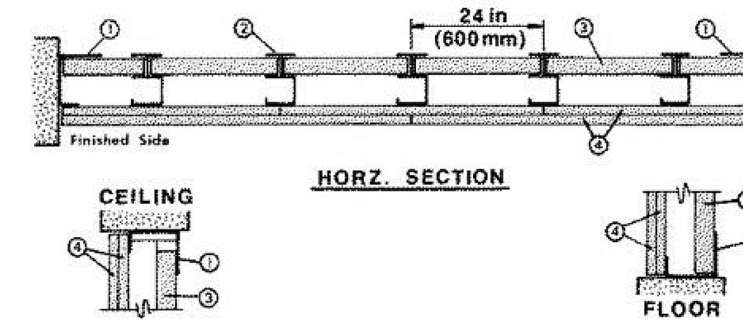
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Design No. U438

July 05, 2016

Nonbearing Wall Rating — 2 HR.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Floor and Ceiling Runners —** "J" -shaped runner, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel (min 20 MSG when Item 4B is used). Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. **Steel Studs —** "C-H" -shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from 25 MSG galv steel (min 20 MSG when Item 4B, 4D, or 4E is used). Cut to lengths 3/8 to 1/2 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC (max 16 in. OC when Items 4B, 4D, 4E is used).

2A. **Steel Studs —** (Not shown)-"E" -shaped studs installed in place of "C-H" -shaped studs (Item 2) to secure the closure liner panels at the ends of walls. Fabricated from 25 MSG galv steel (min 20 MSG when Item 4B, 4D, or 4E is used), 2-1/2 in. wide, with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 in. less than floor to ceiling height. Sill and lintel of opening formed with "J" -shaped runners (Item 1) secured to "E" -shaped studs with angle clips and steel screws.

3. **Gypsum Board* —** 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. or 600 mm (for metric spacing) widths. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" -shaped section of "C-H" studs. Free edge of end panels attached to long leg of "J" -runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. OC.

CGC INC — Type SLX.

UNITED STATES GYPSUM CO — Type SLX.

USG BORAL ZAWAWI DRYWALL L L C SFZ — Type SLX

USG MEXICO S A DE C V — Type SLX.

4. **Gypsum Board* —** 1/2 in. thick, 4 ft. or 1200 mm (for metric spacing) wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and "J" -runners with 1-5/8 in. long Type S steel screws spaced 12 in. along the edges and in the field of the boards, staggered from screws in inner layer. Joints between inner and outer layers staggered.
Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound.
As an alternate method, inner wallboard layer applied vertically, outer wallboard layer applied horizontally. Inner layer attached to studs with 1 in. Type S steel screws spaced 24 in. OC along vertical edges and in the field. Outer layer attached to the studs and "J" runners over the inner layer with 1-5/8 in. long Type S steel screws spaced 12 in. OC in the field, along the vertical edges and to the floor and ceiling runners. Outer layer secured to inner layer wallboard with 1-1/2 in. long Type G steel screws located midway between studs and 1 in. from the horizontal joint.

ACADIA DRYWALL SUPPLIES LTD — Type C
AMERICAN GYPSUM CO — Types AG-C .
CERTAINTEED GYPSUM INC — Type FRPC, Type C.
CGC INC — Type C, IP-X2, or WRC.
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A.
GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C.
NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C, FSMR-C.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C.
SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air
THAI GYPSUM PRODUCTS PCL — Type C.
UNITED STATES GYPSUM CO — Type C, IP-X2 or WRC.
USG BORAL ZAWAWI DRYWALL L L C SFZ — Type C
USG MEXICO S A DE C V — Type C, IP-X2 or WRC.

4A. **Gypsum Board* —** (As an alternate to Item 4) — 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Inner or base layer attached to studs with 1 in. long Type S or S-12 steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S or S-12 steel screws spaced 12 in. OC when installed vertically and staggered 12 in. from base layer screws or 8 in. OC when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges. When used in widths other than 48 in., gypsum panels to be installed horizontally.

CGC INC — Type AR, IP-AR, IP-X1, SCX, ULX, or WRX.
UNITED STATES GYPSUM CO — Type AR, FRX-G, IP-AR, IP-X1, SCX, ULX or WRX.
USG BORAL ZAWAWI DRYWALL L L C SFZ — Type SCX
USG MEXICO S A DE C V — Type AR, IP-AR, IP-X1, SCX, ULX, or WRX.

4B. **Gypsum Board* —** (Not Shown) - May be used in lieu of Items 4 or 4A for the base layer - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips (Item 6) required behind vertical joints.

RAY-BAR ENGINEERING CORP — Type RB-LBG

4C. **Gypsum Board* —** (As an alternate to Item 4, 4A, 4B) — 5/8 in. thick. Two layers installed as described in Item 4.

NATIONAL GYPSUM CO — Type FSMR-C.

4D. **Gypsum Board* —** (Not Shown) - May be used in lieu of Items 4 for the base layer - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints. To be used with Lead Batten Strips (see Item 6B) or Lead Discs (see Item 6C).

MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4E. **Gypsum Board* —** (Not Shown) - May be used in lieu of Items 4 for the base layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

4F. **Gypsum Board* —** (As an alternate to Item 4) — 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Inner or base layer attached to studs with 1 in. long Type S or S-12 steel screws spaced 24 in. OC when installed vertically or 16 in. OC when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S or S-12 steel screws spaced 8 in. OC when installed vertically and staggered min. 8 in. from base layer screws or 8 in. OC when installed horizontally and staggered min. 6 in. from base layer screws. Horizontal joints between inner and outer layers need not to be staggered. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in. Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound. When used in widths other than 48 in., gypsum panels to be installed horizontally.

UNITED STATES GYPSUM CO — Type ULIX.

5. **Batts and Blankets* —** (Optional) — (Not shown) — Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.

5A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.

U S GREENFIBER L L C — INS735& INS745 for use with wet or dry application. INS765LD and INS770LD are to be used for dry application only.

5B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.

NU-WOOL CO INC — Cellulose Insulation

5C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 5) - Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.

INTERNATIONAL CELLULOSE CORP — Celbar-RL

6. **Lead Batten Strips —** For Use with Item 4B - (Not Shown) - Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 4A) and optional at remaining stud locations. Strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

6A. **Lead Discs or Tabs —** (Not Shown) - Used in lieu of or in addition to the lead batten strips (Item 6) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

6B. **Lead Batten Strips —** (Not Shown, for use with Item 4D) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations.

6C. **Lead Discs —** (Not Shown, for use with Item 4D) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:
UL FIRE-RESISTANCE ASSEMBIES

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

G300A

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 4:56:27 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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Design No. D918

December 04, 2015

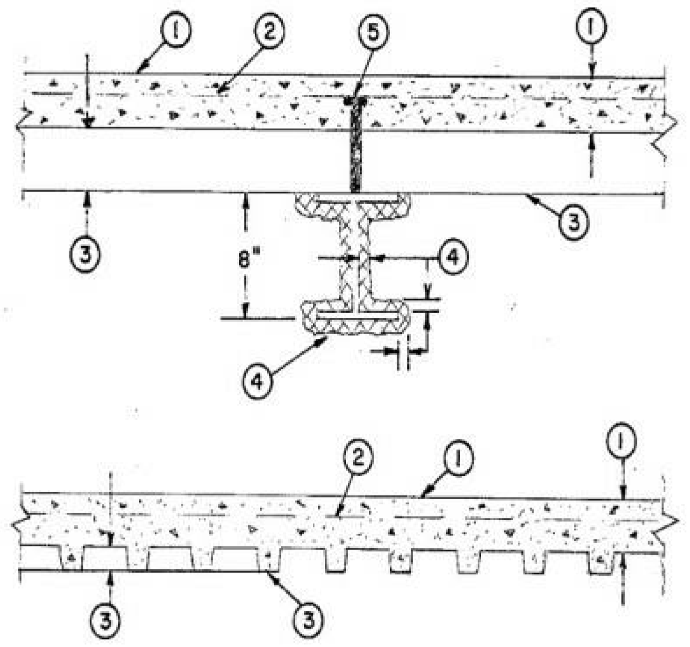
Restrained Assembly Ratings — 1, 1-1/2, 2 and 3 Hr (See Items 1 and 4)

Unrestrained Assembly Rating — 0 Hr (See Item 3)

Unrestrained Beam Rating — 1 and 1-1/2 Hr (See Item 4)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



Beam — W8X20, min size.

1. **Normal Weight or Lightweight Concrete —** Normal weight concrete carbonate or siliceous aggregate, 153 + or - 3 pcf unit weight, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, clay or slate aggregate by rotary kiln method or pelletized expanded blast furnace slag aggregate, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	—	3-1/2
1-1/2	Normal Weight	—	4
2	Normal Weight	—	4-1/2 ← MD-1
3	Normal Weight	—	5-1/4
1	Lightweight	107-113	2-1/2
2	Lightweight	107-113	3-1/4
2	Lightweight	107-120	3-1/2
3	Lightweight	107-113	4-3/16
3	Lightweight	107-120	4-7/16

2. **Welded Wire Fabric —** 6 x 6 - W1.4 x W1.4.

3. **Steel Floor and Form Units* —** Composite 1-1/2, 2 or 3 in. deep galv units. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular. Fluted units may be phos/ptd. The following combinations of units may be used:

(1) All fluted.
(2) A blend of one or more fluted units to one 24 in. wide cellular unit.
ASC STEEL DECK, DIV OF ASC PROFILES L L C — 32 in. wide Types NH-32, NHN-32, NHF-32; 36 in. wide Types BH-36, BHN-36, BHN-35-1/4, BHF-36, BHF-36A, 2WH-36, 2WHS-36, 2WHF-36, 2WHF-36A, 3WxH-36, 3WxHF-36, 3WxHF-36A, 3WH-36, 3WHF-36, 3WHF-36A, 3W-36, 3WF-36, DG3W-36, DG3WF-36. All units may be galvanized or Prime Shield. Non-cellular decks may be vented designated with a "V" suffix to the product name. Cellular deck top and bottom sections may be riveted together (designated with "Fr") vs. arc spot welded, "F".
CANAM STEEL CORP — 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite.
KAM INDUSTRIES LTD, DBA CORDECK — QL Type, 24 in. wide 3 or 3 inverted, UKX, 21 or 21 inverted, 121, NKX, TKX; 36 in. wide 99; 9, 26, or 30 in. wide NKX; 17 in. wide 21; 26 or 28 in. wide UKX. Side joints of 99, 121, and TKX, may be welded together 60 in. OC. Side joints of 99 and TKX may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC.
CANAM STEEL CORP — 24 in. wide Types 1-1/2, 2 or 3 in. LOK-Floor, LOK-Floor Cell; 24 in. wide Types N-LOK, N-LOK Cell.
NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 in. wide Type CFD-2 or -3; 24, 30 or 36 in. wide Type CFD-1.5.
DECK WEST INC — 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints Type 2-DW and 3-DW may be welded together 60 in. OC. Side joints Type 2-DW or 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screw 36 in. OC.
DESIGN ASSISTANCE CONSTRUCTION SYSTEMS INC — 36 in. wide Type DACS1.5CD, or 24 in. wide Type DACS2.0CD, or DACS3.0CD.
KAM INDUSTRIES LTD, DBA CORDECK — 24 in. wide Type 2 or 3 in. WDR.
MARLYN STEEL DECKS INC — Type 1.5 CF, 2.0 CF or 3.0 CF.
MORIN CORP — 24, 30 or 36 in. wide Types LXR-B, LXR-B inverted; 24 or 36 in. wide Type LXR-3W, 36 in. wide Type LXR-2W.
NEW MILLENNIUM BUILDING SYSTEMS L L C — Type 1.5CD, 1.5CDI, 1.5CDR, 2.0CD or 3.0CD. Units may be phos/painted or galvanized.
VALLEY JOIST — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2.
VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLP, 1.5PLVLP; 24 or 36 in. wide Types 2VLI, 2.0PLVLI, 2VLJ, 3VLI, 3.0PLVLI, 3VLJ, 2VLP, 2.0PLVLP, 3VLP, 3.0PLVLP. Types 1.5VL, 1.5VLI, 1.5PLVLI, 2VLI, 2.0PLVLI, 2VLJ, 3VLI, 3.0PLVLI, 3VLJ units may be phos/ptd .24 or 36 in. wide Types 2VLJ, 3VLJ units + may be used for max 2 hr Restrained Assembly Rating. 36 in. wide Type High Strength 1.5 SBI, 36 in. wide Type High Strength 1.5 SBN may be phos/ptd; 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB.
Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24 and 36 in. wide units, four welds per sheet for 30 in. wide units. Adjacent units button-punched or welded together 36 in. OC along side joints.
\+ Side joints of Types 2VLJ or 3VLJ units may be fastened together with No. 8-3/4 in. long self-drilling Tek screws driven diagonally from the top side through the joint of the units at 36 in. O. C. max.
The Unrestrained Assembly Rating is 1-1/2 Hr. for the following units and limitations:
(a) 1-1/2 in. deep, 24 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.
(b) 1-1/2 in. deep, 24 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.
(c) 1-1/2 in. deep, 24 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.
(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.

4. **Spray-Applied Fire Resistive Materials* —** Spray applied in one coat to a final tamped or untamped thickness as shown in table below, to steel surface which must be clean and free of dirt, oil, and loose scale. Use of adhesive and tamping is optional. Min avg density of 11 pcf with min ind density of 9 pcf. For areas where the fiber density is between 8 and 11 pcf, the fiber thickness shall be increased in accordance with the following formula:

$$\text{Thickness, in.} = \frac{(11)\ (\text{Design Thickness, in.})}{\text{Actual Fiber Density, pcf}}$$

Fiber density shall not be less than 8 pcf. For method of density determination, see Design Information Section.

Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr	Concrete (Type)	Min. Thkns In. (Beam)
1	1, 1-1/2, 2	Normal Weight	1/2
1	1, 2	Lightweight	5/8
1-1/2	3	Normal Weight	1-1/16
1-1/2	3	Lightweight	1-1/8

A/D FIRE PROTECTION SYSTEMS INC — A/D Type FP.

5. **Shear-Connector Studs —** (Optional) — Studs, 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.

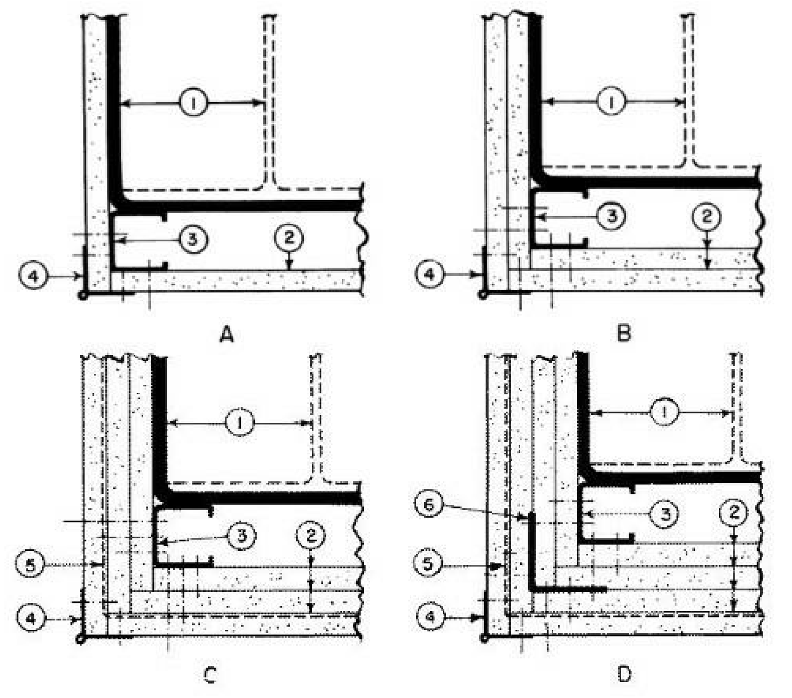
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Design No. X528

June 06, 2016

Ratings — 1, 2 and 3 Hr.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



CORNER DETAILS OF WALLBOARD SUPPORT SYSTEMS WITHOUT STEEL COVERS

1. **Steel Column —** Min sizes of W-shaped and tubular steel columns which appear in the AISC Steel Construction Manual as shown under Item 2.

2. **Gypsum Board* — Any 1/2 in. thick UL Classified Gypsum Board that is eligible for use in Design No. X515. Any 5/8 in. thick UL Classified Gypsum Board that is eligible for use in Design Nos. L501, G512 or U305.** Nom 1/2 in. or 5/8 in. thick gypsum board. Applied in layers as noted in the above illustrations. Boards are to be applied vertically without horizontal joints. Min total thickness of layers in inches for the various ratings and min column sizes are as follows:

W Shaped Column Min Column Size	Rating (Hr)			Corner Details For Various Rating		
	1	2	3	1 Hr	2 Hr	3 Hr
Total thickness (In.)						
W4x13	1	1-1/2	2-1/4	B	C	D
W6x15.5	1	1-1/2	2-1/4	B	C	D
W10x49	1/2	1-1/8	1-7/8	A	B	C
Tube Shaped columns						
TS 4 by 4						
by0.188	1	1-3/4	2-5/8	B	C	D
TS 8 by 8						
by 0.250	5/8	1-1/2	2-1/4	A	C	D

ACADIA DRYWALL SUPPLIES LTD — CKNX.R25370

AMERICAN GYPSUM CO — CKNX.R14196

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — CKNX.R19374

CERTAINTEED GYPSUM INC — CKNX.R3660

CGC INC — CKNX.R19751

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — CKNX.R18482

GEORGIA-PACIFIC GYPSUM L L C — CKNX.R2717

LOADMASTER SYSTEMS INC — CKNX.R11809

NATIONAL GYPSUM CO — eXP-C, CKNX.R3501

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — CKNX.R7094

PANEL REY S A — CKNX.R21796

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — CKNX.R19262

THAI GYPSUM PRODUCTS PCL — CKNX.R27517

UNITED STATES GYPSUM CO — CKNX.R1319

USG MEXICO S A DE C V — CKNX.R16089

2A. **Gypsum Board* —** As an alternate to Item 2- 3/4 in. thick gypsum wallboard. For 2 Hr rating, 1-1/2 in. total thickness, installed in accordance with corner detail B. For 3 Hr rating, 2-1/4 in. total thickness installed in accordance with corner detail C. Boards are to be applied vertically without horizontal joints.

CGC INC — Type IP-X3 or ULTRACODE

UNITED STATES GYPSUM CO — Type IP-X3 or ULTRACODE

USG BORAL ZAWAWI DRYWALL L L C SFZ — Type ULTRACODE

USG MEXICO S A DE C V — Type IP-X3 or ULTRACODE

2B. **Gypsum Board* —** (As an alternate to Items 2 and 2A) — Nominal 5/8 in. thick panels. One of the layers of **Gypsum Board** (Item 2) used to obtain the minimum required thickness in Item 2 may be substituted with one layer and secured as described in Item 2.

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

2C. **Wall and Partition Facings and Accessories* —** (As an alternate to Item 2 through 2B) — Composite Gypsum Panel — Nominal 5/8 in. thick panels. One of the layers of **Gypsum Board** (Item 2) used to obtain the minimum required thickness in Item 2 may be substituted with one layer of composite gypsum panel and secured as described in Item 2.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock QR

3. **Steel Stud —** 1-5/8 in. wide with 1-5/16 and 1-7/16 in. legs having a 1/4- in. folded flange, fabricated from No. 25 MSG galv steel. Length to be 1/2 in. less than the assembly height.

3A. **As an alternate to Item 3 Steel Framing Members* —** galv. steel clips spaced 4 ft OC and 1-1/4 in. from top and bottom of column. A No. 28 MSG galv steel support angle with 1-1/4 in. length shall be placed over clips and secured with screws attaching the wallboard. The angle cut 1 in. less than assembly height splices in angle to occur over clips. The clips for use with wide flange columns only.

JOHN WAGNER ASSOCIATES INC, DBA GRABBER — Types CB, CB1Clips.

4. **Corner Beads —** No. 28 MSG galv steel, 1-1/4 in. legs to be attached to the wallboard with No. 6 by 1 in. screws spaced 12 in. OC max.

5. **Tie Wire —** No. 18 SWG steel wire spaced 24 in. OC used with second layer of wallboard.

6. **Screws —** For attaching first layer of wallboard to steel studs, and third layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1 in. (or 1-1/4 in. for 3/4 in. thick wallboard) Phillips head self-drilling, self-tapping double lead screws spaced 24 in. OC For attaching second layer of wallboard to steel studs and fourth layer of wallboard to 2 in. by 2 in. steel angle (25 Ga) to be No. 6 by 1-3/4 in. (or 2-1/4 in. for 3/4 in. thick wallboard) steel screws of the same type spaced 12 in. OC For attaching third layer of wallboard to steel studs to be No. 8 by 2-1/4 in. screws of the same type spaced 12 in. OC

7. **Finishing System —** (Not Shown) — Joint compound applied over corner beads to a thickness of 1/16 in.

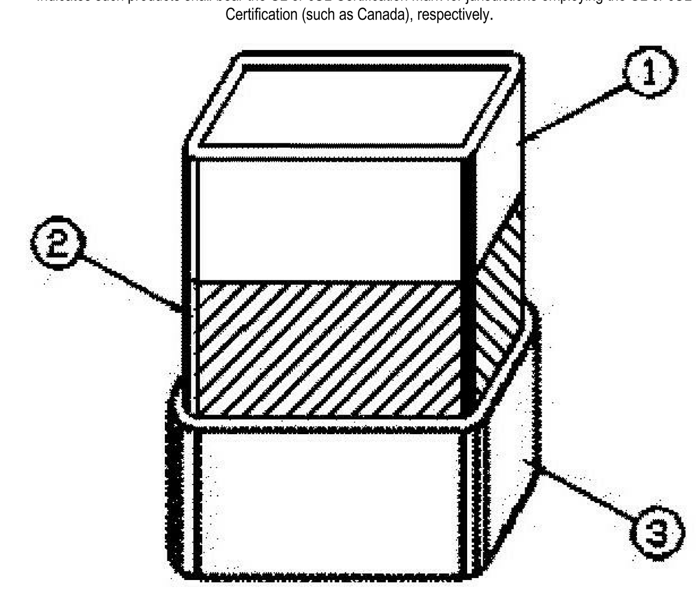
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Design No. X661

December 11, 2013

Ratings - 1, 1-1/2, 2, and 3 Hr. (See Item 3 and 4)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Steel Tube Column — Hollow structural steel columns with the minimum sizes shown in the tables below. Columns shall be free of dirt, loose scale and oil.

2. Primer Coating — Two Component Epoxy or Phenolic Modified Alkyd applied at 0.002 in. dry film thickness.

3. Mastic & Intumescent Coating* — Coating spray or brush applied in accordance with the manufacturer's instructions at the minimum average dry thickness shown in the table below. The thickness shown does not include primer thickness.

Size	A/P	1 Hr. In.	1-1/2 Hr. In.	2 Hr. In.	3 Hr. In.
TS4x4x 1/4	0.24	0.073	0.226	0.367	NR
TS4.5x4.5x 1/4	0.24	0.073	0.226	0.367	NR
TS5x4x 1/4	0.24	0.073	0.226	0.367	NR
TS5x5x 1/4	0.24	0.073	0.226	0.367	NR
TS6x4x 1/4	0.24	0.073	0.226	0.367	NR
TS5.5x5.5x 1/4	0.24	0.073	0.226	0.367	NR
TS6x5x 1/4	0.24	0.073	0.226	0.367	NR
TS7x4x 1/4	0.24	0.073	0.226	0.367	NR
TS6x6x 1/4	0.24	0.073	0.226	0.367	NR
TS7x5x 1/4	0.24	0.073	0.226	0.367	NR
TS8x4x 1/4	0.24	0.073	0.226	0.367	NR
TS7x7x 1/4	0.24	0.073	0.226	0.367	NR
TS8x6x 1/4	0.24	0.073	0.226	0.367	NR
TS9x5x 1/4	0.24	0.073	0.226	0.367	NR
TS10x4x 1/4	0.24	0.073	0.226	0.367	NR
TS10x5x 1/4	0.24	0.073	0.226	0.367	NR
TS8x8x 1/4	0.24	0.073	0.226	0.367	NR
TS9x7x 1/4	0.24	0.073	0.226	0.367	NR
TS10x6x 1/4	0.24	0.073	0.226	0.367	NR
TS12x4x 1/4	0.24	0.073	0.226	0.367	NR
TS9x9x 1/4	0.24	0.073	0.226	0.367	NR
TS10x8x 1/4	0.24	0.073	0.226	0.367	NR
TS12x6x 1/4	0.24	0.073	0.226	0.367	NR
TS14x4x 1/4	0.24	0.073	0.226	0.367	NR
TS10x10x 1/4	0.24	0.073	0.226	0.367	NR
TS12x8x 1/4	0.24	0.073	0.226	0.367	NR
TS14x6x 1/4	0.24	0.073	0.226	0.367	NR
TS16x4x 1/4	0.24	0.073	0.226	0.367	NR
TS12x10x 1/4	0.25	0.069	0.212	0.348	NR
TS12x12x 1/4	0.25	0.069	0.212	0.348	NR
TS14x10x 1/4	0.25	0.069	0.212	0.348	NR
TS16x8x 1/4	0.25	0.069	0.212	0.348	NR
TS18x6x 1/4	0.25	0.069	0.212	0.348	NR
TS20x4x 1/4	0.25	0.069	0.212	0.348	NR
TS16x16x 1/4	0.25	0.069	0.212	0.348	NR
TS4x4x 5/16	0.29	0.056	0.160	0.273	NR
TS4.5x4.5x 5/16	0.29	0.056	0.160	0.273	NR
TS5x4x 5/16	0.29	0.056	0.160	0.273	NR
TS5x5x 5/16	0.30	0.055	0.157	0.267	NR
TS6x4x 5/16	0.30	0.055	0.157	0.267	NR
TS5.5x5.5x 5/16	0.30	0.055	0.157	0.267	NR
TS6x5x 5/16	0.30	0.055	0.157	0.267	NR
TS7x4x 5/16	0.30	0.055	0.157	0.267	NR
TS6x6x 5/16	0.30	0.055	0.157	0.267	NR
TS7x5x 5/16	0.30	0.055	0.157	0.267	NR
TS8x4x 5/16	0.30	0.055	0.157	0.267	NR
TS7x7x 5/16	0.30	0.055	0.157	0.267	NR
TS8x6x 5/16	0.30	0.055	0.157	0.267	NR
TS9x5x 5/16	0.30	0.055	0.157	0.267	NR
TS10x4x 5/16	0.30	0.055	0.157	0.267	NR
TS10x5x 5/16	0.30	0.055	0.157	0.267	NR
TS8x8x 5/16	0.30	0.055	0.157	0.267	NR
TS9x7x 5/16	0.30	0.055	0.157	0.267	NR
TS10x6x 5/16	0.30	0.055	0.157	0.267	NR
TS12x4x 5/16	0.30	0.055	0.157	0.267	NR
TS9x9x 5/16	0.30	0.055	0.157	0.267	NR
TS10x8x 5/16	0.30	0.055	0.157	0.267	NR
TS12x6x 5/16	0.30	0.055	0.157	0.267	NR
TS14x4x 5/16	0.30	0.055	0.157	0.267	NR
TS10x10x 5/16	0.30	0.055	0.157	0.267	NR
TS12x8x 5/16	0.30	0.055	0.157	0.267	NR
TS14x6x 5/16	0.30	0.055	0.157	0.267	NR
TS16x4x 5/16	0.30	0.055	0.157	0.267	NR
TS12x10x 5/16	0.31	0.053	0.151	0.258	NR
TS12x12x 5/16	0.31	0.053	0.151	0.258	NR
TS14x10x 5/16	0.31	0.053	0.151	0.258	NR
TS16x8x 5/16	0.31	0.053	0.151	0.258	NR
TS18x6x 5/16	0.31	0.053	0.151	0.258	NR
TS20x4x 5/16	0.31	0.053	0.151	0.258	NR
TS14x14x 5/16	0.31	0.053	0.151	0.258	NR
TS16x12x 5/16	0.31	0.053	0.151	0.258	NR
TS20x8x 5/16	0.31	0.053	0.151	0.258	NR
TS18x12x 5/16	0.31	0.053	0.151	0.258	NR
TS16x16x 5/16	0.31	0.053	0.151	0.258	NR
TS20x12x 5/16	0.31	0.053	0.151	0.258	NR
TS20x16x 5/16	0.31	0.053	0.151	0.258	NR
TS20x18x 5/16	0.31	0.053	0.151	0.258	NR
TS4x4x 3/8	0.34	0.047	0.128	0.224	NR
TS4.5x4.5x 3/8	0.35	0.047	0.128	0.224	NR

Design No. X661 (continued)

TS5x4x 3/8	0.35	0.047	0.128	0.224	NR
TS5x5x 3/8	0.35	0.047	0.128	0.224	NR
TS6x4x 3/8	0.35	0.047	0.128	0.224	NR
TS5.5x5.5x 3/8	0.35	0.047	0.128	0.224	NR
TS6x5x 3/8	0.35	0.047	0.128	0.224	NR
TS7x4x 3/8	0.35	0.047	0.128	0.224	NR
TS6x6x 3/8	0.36	0.046	0.123	0.217	NR
TS7x5x 3/8	0.36	0.046	0.123	0.217	NR
TS8x4x 3/8	0.36	0.046	0.123	0.217	NR
TS7x7x 3/8	0.36	0.046	0.123	0.217	NR
TS8x6x 3/8	0.36	0.046	0.123	0.217	NR
TS9x5x 3/8	0.36	0.046	0.123	0.217	NR
TS10x4x 3/8	0.36	0.046	0.123	0.217	NR
TS10x5x 3/8	0.36	0.046	0.123	0.217	NR
TS8x8x 3/8	0.36	0.046	0.123	0.217	NR
TS9x7x 3/8	0.36	0.046	0.123	0.217	NR
TS10x6x 3/8	0.36	0.046	0.123	0.217	NR
TS12x4x 3/8	0.36	0.046	0.123	0.217	NR
TS9x9x 3/8	0.36	0.046	0.123	0.217	NR
TS10x8x 3/8	0.36	0.046	0.123	0.217	NR
TS12x6x 3/8	0.36	0.046	0.123	0.217	NR
TS14x4x 3/8	0.36	0.046	0.123	0.217	NR
TS10x10x 3/8	0.36	0.046	0.123	0.217	NR
TS12x8x 3/8	0.36	0.046	0.123	0.217	NR
TS14x6x 3/8	0.36	0.046	0.123	0.217	NR
TS16x4x 3/8	0.36	0.046	0.123	0.217	NR
TS12x10x 3/8	0.36	0.046	0.123	0.217	NR
TS12x12x 3/8	0.37	0.045	0.119	0.211	NR
TS14x10x 3/8	0.37	0.045	0.119	0.211	NR
TS16x8x 3/8	0.37	0.045	0.119	0.211	NR
TS18x6x 3/8	0.37	0.045	0.119	0.211	NR
TS20x4x 3/8	0.37	0.045	0.119	0.211	NR
TS14x12x 3/8	0.37	0.045	0.119	0.211	NR
TS14x14x 3/8	0.37	0.045	0.119	0.211	NR
TS16x12x 3/8	0.37	0.045	0.119	0.211	NR
TS20x8x 3/8	0.37	0.045	0.119	0.211	NR
TS18x12x 3/8	0.37	0.045	0.119	0.211	NR
TS16x16x 3/8	0.37	0.045	0.119	0.211	NR
TS20x12x 3/8	0.37	0.045	0.119	0.211	NR
TS18x16x 3/8	0.37	0.045	0.119	0.211	NR
TS18x18x 3/8	0.37	0.045	0.119	0.211	NR
TS20x16x 3/8	0.37	0.045	0.119	0.211	NR
TS20x18x 3/8	0.37	0.045	0.119	0.211	NR
TS20x20x 3/8	0.37	0.045	0.119	0.211	NR
TS4x4x 1/2	0.45	0.038	0.097	0.175	0.319
TS4.5x4.5x 1/2	0.45	0.038	0.097	0.175	0.319
TS5x4x 1/2	0.45	0.038	0.097	0.175	0.319
TS5x5x 1/2	0.46	0.037	0.094	0.172	0.319
TS6x4x 1/2	0.46	0.037	0.094	0.172	0.319
TS6x5x 1/2	0.46	0.037	0.094	0.172	0.319
TS7x4x 1/2	0.46	0.037	0.094	0.172	0.319
TS6x6x 1/2	0.46	0.037	0.094	0.172	0.319
TS7x5x 1/2	0.46	0.037	0.094	0.172	0.319
TS8x4x 1/2	0.46	0.037	0.094	0.172	0.319
TS7x7x 1/2	0.47	0.037	0.092	0.168	0.319
TS8x6x 1/2	0.47	0.037	0.092	0.168	0.319
TS9x5x 1/2	0.47	0.037	0.092	0.168	0.319
TS10x4x 1/2	0.47	0.037	0.092	0.168	0.319
TS8x8x 1/2	0.47	0.037	0.092	0.168	0.319
TS9x7x 1/2	0.47	0.037	0.092	0.168	0.319
TS10x6x 1/2	0.47	0.037	0.092	0.168	0.319
TS12x4x 1/2	0.47	0.037	0.092	0.168	0.319
TS9x9x 1/2	0.48	0.036	0.091	0.166	0.319
TS10x8x 1/2	0.48	0.036	0.091	0.166	0.319
TS12x6x 1/2	0.48	0.036	0.091	0.166	0.319
TS14x4x 1/2	0.48	0.036	0.091	0.166	0.319
TS10x10x 1/2	0.48	0.036	0.091	0.166	0.319
TS12x8x 1/2	0.48	0.036	0.091	0.166	0.319
TS14x6x 1/2	0.48	0.036	0.091	0.166	0.319
TS16x4x 1/2	0.48	0.036	0.091	0.166	0.319
TS12x10x 1/2	0.48	0.036	0.091	0.166	0.319
TS12x12x 1/2	0.48	0.036	0.091	0.166	0.319
TS14x10x 1/2	0.48	0.036	0.091	0.166	0.319
TS16x8x 1/2	0.48	0.036	0.091	0.166	0.319
TS18x6x 1/2	0.48	0.036	0.091	0.166	0.319
TS20x4x 1/2	0.48	0.036	0.091	0.166	0.319
TS14x12x 1/2	0.48	0.036	0.091	0.166	0.319
TS14x14x 1/2	0.49	0.036	0.089	0.164	0.319
TS16x12x 1/2	0.49	0.036	0.089	0.164	0.319
TS20x8x 1/2	0.49	0.036	0.089	0.164	0.319
TS18x12x 1/2	0.49	0.036	0.089	0.164	0.319
TS16x16x 1/2	0.49	0.036	0.089	0.164	0.319
TS20x12x 1/2	0.49	0.036	0.089	0.164	0.319
TS18x16x 1/2	0.49	0.036	0.089	0.164	0.319
TS18x18x 1/2	0.49	0.036	0.089	0.164	0.319
TS20x16x 1/2	0.49	0.036	0.089	0.164	0.319
TS20x18x 1/2	0.49	0.036	0.089	0.164	0.319
TS20x20x 1/2	0.49	0.036	0.089	0.164	0.319
TS6x6x 5/8	0.57	0.033	0.078	0.146	0.319
TS7x5x 5/8	0.57	0.033	0.078	0.146	0.319
TS8x4x 5/8	0.57	0.033	0.078	0.146	0.319
TS7x7x 5/8	0.58	0.032	0.078	0.145	0.319
TS9x5x 5/8	0.58	0.032	0.078	0.145	0.319
TS10x4x 5/8	0.58	0.032	0.078	0.145	0.319
TS8x8x 5/8	0.58	0.032	0.078	0.145	0.319
TS9x7x 5/8	0.58	0.032	0.078	0.145	0.319
TS10x6x 5/8	0.58	0.032	0.078	0.145	0.319
TS12x4x 5/8	0.58	0.032	0.078	0.145	0.319
TS9x9x 5/8	0.59	0.032	0.076	0.143	0.319
TS10x8x 5/8	0.59	0.032	0.076	0.143	0.319
TS12x6x 5/8	0.59	0.032	0.076	0.143	0.319
TS14x4x 5/8	0.59	0.032	0.076	0.143	0.319
TS10x10x 5/8	0.59	0.032	0.076	0.143	0.319
TS12x8x 5/8	0.59	0.032	0.076	0.143	0.319
TS14x6x 5/8	0.59	0.032	0.076	0.143	0.319

Design No. X661 (continued)

TS12x12x 5/8	0.60	0.032	0.076	0.141	0.319
TS14x10x 5/8	0.60	0.032	0.076	0.141	0.319
TS16x8x 5/8	0.60	0.032	0.076	0.141	0.319
TS18x6x 5/8	0.60	0.032	0.076	0.141	0.319
TS14x14x 5/8	0.60	0.032	0.076	0.141	0.319
TS16x12x 5/8	0.60	0.032	0.076	0.141	0.319
TS20x8x 5/8	0.60	0.032	0.076	0.141	0.319
TS18x12x 5/8	0.60	0.032	0.076	0.141	0.319
TS16x16x 5/8	0.61	0.031	0.075	0.140	0.319
TS20x12x 5/8	0.61	0.031	0.075	0.140	0.319
TS18x16x 5/8	0.61	0.031	0.075	0.140	0.319
TS18x18x 5/8	0.61	0.031	0.075	0.140	0.319
TS20x16x 5/8	0.61	0.031	0.075	0.140	0.319
TS20x18x 5/8	0.61	0.031	0.075	0.140	0.319
TS20x20x 5/8	0.61	0.031	0.075	0.140	0.319
TS12x6x 3/4	0.70	0.029	0.068	0.129	0.319
TS16x16x 1	0.95	0.026	0.058	0.112	0.319
TS16x16x 1.5	1.38	0.023	0.050	0.099	0.319

CARBOLINE CO — TYPE THERMO-SORB, THERMO-SORB VOC. Investigated for Interior Conditioned Space and Interior General Purpose.

4. Carbon Fiber Mesh — (Optional, Not Shown) For three hour rating. Nom. 3/16 in. by 3/16 in. 3.50 oz/sq yd carbon fiber mesh to cover the entire surface. The depth at which the reinforcing mesh is placed shall be approximately 0.120 inches from the steel substrate.

5. Top Coat — (Not Shown) - No topcoat required for Interior Conditioned Space. Finishing topcoat for Interior General Purpose, Types Carboguard 893 SG or Santile 655 applied at 0.006 in. dry film thickness or Carbocrylic 3350 or Carbocoat 30R applied at 0.003 in. dry film thickness.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:
UL FIRE-RESISTANCE ASSEMBLIES

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

G300B

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 4:56:31 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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Design No. N619

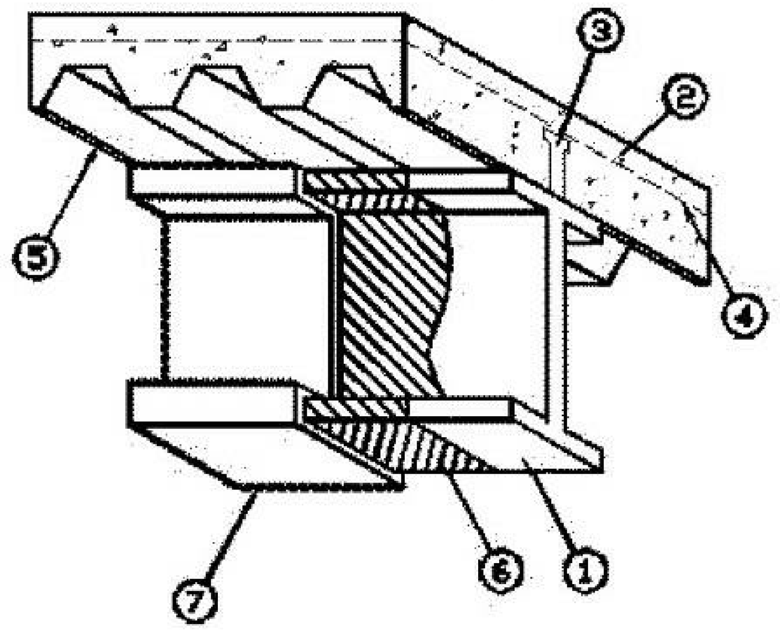
December 11, 2013

Restrained Beam Rating — 1, 1-1/2 and 2 Hr (See Item 7 and 8)

Unrestrained Beam Rating — 1, 1-1/2 and 2 Hr (See Item 7 and 8)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Steel Beam —** Min size as shown in the table below (See Item 7).

2. **Normal Weight or Lightweight Concrete —** Compressive strength 3000 psi. For normal weight concrete either carbonate or siliceous aggregate may be used. Unit weight 148 lbs / cu ft for normal weight concrete and 110 lbs / cu ft for lightweight concrete.

3. **Shear Connectors —** (Optional) Studs, headed type or equivalent per AISC specifications welded to the top flange of beam through the steel floor units.

4. **Welded Wire Fabric —** 6x6 SWG.

5. **Steel Floor Units —** 1-1/2, 2 or 3 in. deep fluted units, welded to beam.

6. **Primer Coating —** Two Component Epoxy or Phenolic Modified Alkyd applied at 0.002 in. dry film thickness.

7. **Mastic and Intumescent Coating* —** Coating spray or brush applied in accordance with the manufacturer's instructions at the minimum dry thickness shown in the table below. The thickness shown does not include primer.

UNRESTRAINED BEAM RATINGS

	W/D	Hp/A	1 hr (inches)	1.5 hr (inches)	2 hr (inches)
W18x35	0.67	200	0.061	NR	NR
W6x16	0.67	200	0.061	NR	NR
W8x21	0.67	200	0.061	NR	NR
W6x20	0.68	197	0.061	NR	NR
W12x30	0.69	194	0.060	NR	NR
W10x26	0.70	191	0.060	NR	NR
W16x36	0.70	191	0.060	NR	NR
W8x24	0.70	191	0.060	NR	NR
W14x34	0.72	186	0.059	NR	NR
W21x44	0.74	181	0.059	NR	NR
W18x40	0.76	176	0.058	NR	NR
W16x40	0.77	174	0.057	NR	NR
W5x19	0.78	172	0.057	NR	NR
W10x33	0.79	170	0.057	NR	NR
W12x35	0.80	168	0.056	NR	NR
W8x31	0.80	168	0.056	NR	NR
W10x30	0.81	165	0.056	NR	NR
W14x38	0.81	165	0.056	NR	NR
W8x28	0.81	165	0.056	NR	NR
W24x55	0.83	161	0.055	NR	NR
W21x50	0.84	160	0.055	NR	NR
W6x25	0.84	160	0.055	NR	NR
W12x40	0.86	156	0.054	NR	NR
W14x43	0.87	154	0.054	NR	NR
W16x45	0.87	154	0.054	NR	NR
W18x46	0.87	154	0.054	NR	NR
W18x50	0.88	152	0.053	NR	NR
W8x35	0.90	149	0.053	NR	NR
W10x39	0.92	146	0.052	NR	NR
W24x62	0.93	144	0.051	NR	NR
W24x68	0.94	143	0.051	NR	NR
W21x57	0.95	141	0.051	NR	NR
W21x62	0.95	141	0.051	NR	NR
W14x48	0.96	140	0.050	NR	NR
W16x50	0.96	140	0.050	NR	NR
W18x55	0.96	140	0.050	NR	NR
W12x45	0.97	138	0.050	NR	NR
W10x49	1.01	133	0.048	NR	NR
W12x53	1.01	133	0.048	NR	NR
W8x40	1.02	131	0.048	NR	NR
W27x84	1.03	130	0.048	NR	NR
W18x60	1.04	129	0.047	NR	NR
W21x68	1.04	129	0.047	NR	NR
W24x76	1.04	129	0.047	NR	NR
W10x45	1.05	128	0.047	NR	NR
W14x53	1.05	128	0.047	NR	NR
W12x50	1.07	125	0.046	NR	NR
W16x57	1.08	124	0.046	NR	NR
W16x67	1.08	124	0.046	NR	NR
W14x61	1.09	123	0.045	NR	NR
W12x58	1.10	122	0.045	NR	NR
W10x54	1.11	121	0.045	NR	NR
W12x65	1.11	121	0.045	NR	NR
W21x73	1.11	121	0.045	NR	NR
W18x65	1.12	120	0.044	NR	NR
W18x76	1.12	120	0.044	NR	NR
W30x99	1.12	120	0.044	NR	NR
W24x84	1.14	118	0.044	NR	NR
W27x94	1.15	117	0.043	NR	NR
W8x48	1.20	112	0.041	NR	NR
W14x68	1.21	111	0.041	NR	NR
W30x108	1.21	111	0.041	NR	NR
W33x118	1.21	111	0.041	NR	NR
W18x71	1.22	110	0.041	NR	NR
W10x60	1.23	109	0.040	NR	NR
W12x72	1.23	109	0.040	NR	NR
W24x104	1.23	109	0.040	NR	NR
W16x77	1.24	108	0.040	NR	NR
W27x102	1.24	108	0.040	NR	NR
W18x86	1.26	106	0.039	NR	NR

Design No. N619 (continued)

W21x83	1.26	106	0.039	NR	NR
W24x94	1.27	106	0.039	NR	NR
W14x90	1.29	104	0.038	NR	NR
W36x135	1.29	104	0.038	NR	NR
W21x101	1.30	103	0.038	NR	NR
W30x116	1.30	103	0.038	NR	NR
W14x74	1.31	102	0.037	NR	NR
W33x130	1.32	102	0.037	NR	NR
W12x79	1.34	100	0.036	NR	NR
W10x68	1.38	97	0.035	NR	NR
W24x117	1.38	97	0.035	NR	NR
W27x114	1.38	97	0.035	NR	NR
W30X124	1.38	97	0.035	NR	NR
W21x93	1.40	96	0.034	NR	NR
W18x97	1.41	95	0.033	NR	NR
W14x99	1.42	94	0.033	NR	NR
W16x89	1.42	94	0.033	NR	NR
W21x111	1.42	94	0.033	NR	NR
W33x141	1.43	94	0.033	NR	NR
W36x150	1.43	94	0.033	NR	NR
W8x58	1.43	94	0.033	NR	NR
W14x82	1.44	93	0.032	NR	NR
W12x87	1.46	92	0.032	NR	NR
W30x132	1.47	91	0.031	NR	NR
W36x160	1.52	88	0.030	NR	NR
W18x106	1.53	88	0.030	NR	NR
W24x131	1.53	88	0.030	NR	NR
W33x152	1.53	88	0.030	NR	NR
W10x77	1.55	86	0.030	NR	NR
W14x109	1.55	86	0.030	NR	NR
W21x122	1.55	86	0.030	NR	NR
W27x146	1.55	86	0.030	NR	NR
W16x100	1.58	85	0.030	NR	NR
W12x96	1.61	83	0.030	NR	NR
W36x170	1.61	83	0.030	NR	NR
W8x67	1.63	82	0.030	NR	NR
W21x132	1.67	80	0.030	NR	NR
W30x173	1.67	80	0.030	NR	NR
W14x120	1.69	79	0.030	NR	NR
W24x146	1.70	79	0.030	NR	NR
W27x161	1.70	79	0.030	NR	NR
W18x119	1.71	78	0.030	NR	NR
W36x182	1.71	78	0.030	NR	NR
W10x88	1.75	77	0.030	0.051	0.081

RESTRAINED BEAM RATINGS

	W/D	Hp/A	1 hr (inches)	1.5 hr (inches)	2 hr (inches)
W18x35	0.67	200	0.061	0.061	0.096
W6x16	0.67	200	0.061	0.061	0.096
W8x21	0.67	200	0.061	0.061	0.096
W6x20	0.68	197	0.061	0.061	0.095
W12x30	0.69	194	0.060	0.060	0.095
W10x26	0.70	191	0.060	0.060	0.095
W16x36	0.70	191	0.060	0.060	0.095
W8x24	0.70	191	0.060	0.060	0.095
W14x34	0.72	186	0.059	0.059	0.094
W21x44	0.74	181	0.059	0.059	0.094
W18x40	0.76	176	0.058	0.058	0.093
W16x40	0.77	174	0.057	0.057	0.093
W5x19	0.78	172	0.057	0.057	0.093
W10x33	0.79	170	0.057	0.057	0.092
W12x35	0.80	168	0.056	0.056	0.092
W8x31	0.80	168	0.056	0.056	0.092
W10x30	0.81	165	0.056	0.056	0.092
W14x38	0.81	165	0.056	0.056	0.092
W8x28	0.81	165	0.056	0.056	0.092
W24x55	0.83	161	0.055	0.055	0.091
W21x50	0.84	160	0.055	0.055	0.091
W6x25	0.84	160	0.055	0.055	0.091
W12x40	0.86	156	0.054	0.054	0.090
W14x43	0.87	154	0.054	0.054	0.090
W16x45	0.87	154	0.054	0.054	0.090
W18x46	0.87	154	0.054	0.054	0.090
W18x50	0.88	152	0.053	0.053	0.090
W8x35	0.90	149	0.053	0.053	0.089
W10x39	0.92	146	0.052	0.052	0.089
W24x62	0.93	144	0.051	0.051	0.088
W24x68	0.94	143	0.051	0.051	0.088
W21x57	0.95	141	0.051	0.051	0.088
W21x62	0.95	141	0.051	0.051	0.088
W14x48	0.96	140	0.050	0.050	0.088
W16x50	0.96	140	0.050	0.050	0.088
W18x55	0.96	140	0.050	0.050	0.088
W12x45	0.97	138	0.050	0.050	0.087
W10x49	1.01	133	0.048	0.048	0.086
W12x53	1.01	133	0.048	0.048	0.086
W8x40	1.02	131	0.048	0.048	0.086
W27x84	1.03	130	0.048	0.048	0.086
W18x60	1.04	129	0.047	0.047	0.085
W21x68	1.04	129	0.047	0.047	0.085
W24x76	1.04	129	0.047	0.047	0.085
W10x45	1.05	128	0.047	0.047	0.085
W14x53	1.05	128	0.047	0.047	0.085
W12x50	1.07	125	0.046	0.046	0.084
W16x57	1.08	124	0.046	0.046	0.084
W16x67	1.08	124	0.046	0.046	0.084
W14x61	1.09	123	0.045	0.045	0.084
W12x58	1.10	122	0.045	0.045	0.084
W10x54	1.11	121	0.045	0.045	0.083
W12x65	1.11	121	0.045	0.045	0.083
W21x73	1.11	121	0.045	0.045	0.083
W18x65	1.12	120	0.044	0.044	0.083
W18x76	1.12	120	0.044	0.044	0.083
W30x99	1.12	120	0.044	0.044	0.083
W24x84	1.14	118	0.044	0.044	0.082
W27x94	1.15	117	0.043	0.043	0.082
W8x48	1.20	112	0.041	0.041	0.081

Design No. N619 (continued)

W14x68	1.21	111	0.041	0.041	0.081
W30x108	1.21	111	0.041	0.041	0.081
W33x118	1.21	111	0.041	0.041	0.081
W18x71	1.22	110	0.041	0.041	0.080
W10x60	1.23	109	0.040	0.040	0.080
W12x72	1.23	109	0.040	0.040	0.080
W24x104	1.23	109	0.040	0.040	0.080
W16x77	1.24	108	0.040	0.040	0.080
W27x102	1.24	108	0.040	0.040	0.080
W18x86	1.26	106	0.039	0.039	0.079
W21x83	1.26	106	0.039	0.039	0.079
W24x94	1.27	106	0.039	0.039	0.079
W14x90	1.29	104	0.038	0.039	0.078
W36x135	1.29	104	0.038	0.039	0.078
W21x101	1.30	103	0.038	0.038	0.078
W30x116	1.30	103	0.038	0.038	0.078
W14x74	1.31	102	0.037	0.038	0.078
W33x130	1.32	102	0.037	0.038	0.077
W12x79	1.34	100	0.036	0.038	0.077
W10x68	1.38	97	0.035	0.037	0.076
W24x117	1.38	97	0.035	0.037	0.076
W27x114	1.38	97	0.035	0.037	0.076
W30X124	1.38	97	0.035	0.037	0.076
W21x93	1.40	96	0.034	0.037	0.075
W18x97	1.41	95	0.033	0.036	0.075
W14x99	1.42	94	0.033	0.036	0.075
W16x89	1.42	94	0.033	0.036	0.075
W21x111	1.42	94	0.033	0.036	0.075
W33x141	1.43	94	0.033	0.036	0.074
W36x150	1.43	94	0.033	0.036	0.074
W8x58	1.43	94	0.033	0.036	0.074
W14x82	1.44	93	0.032	0.036	0.074
W12x87	1.46	92	0.032	0.035	0.074
W30x132	1.47	91	0.031	0.035	0.073
W36x160	1.52	88	0.030	0.034	0.072
W18x106	1.53	88	0.030	0.034	0.072
W24x131	1.53	88	0.030	0.034	0.072
W33x152	1.53	88	0.030	0.034	0.072
W10x77	1.55	86	0.030	0.034	0.071
W14x109	1.55	86	0.030	0.034	0.071
W21x122	1.55	86	0.030	0.034	0.071
W27x146	1.55	86	0.030	0.034	0.071
W16x100	1.58	85	0.030	0.033	0.070
W12x96	1.61	83	0.030	0.033	0.069
W36x170	1.61	83	0.030	0.033	0.069
W8x67	1.63	82	0.030	0.032	0.069
W21x132	1.67	80	0.030	0.031	0.068
W30x173	1.67	80	0.030	0.031	0.068
W14x120	1.69	79	0.030	0.031	0.067
W24x146	1.70	79	0.030	0.031	0.067
W27x161	1.70	79	0.030	0.031	0.067
W18x119	1.71	78	0.030	0.031	0.067
W36x182	1.71	78	0.030	0.031	0.067
W10x88	1.75	77	0.030	0.030	0.065

CARBOLINE CO — TYPE THERMO-SORB, THERMO-SORB VOC. Investigated for Interior Conditioned Space and Interior General Purpose.

8. **Top Coat —** (Not Shown) - No topcoat required for Interior Conditioned Space. Finishing topcoat for Interior General Purpose, Types Carboguard 893 SG or Santile 655 applied at 0.006 in. dry film thickness or Carbocrylic 3350 or Carbocoat 30R applied at 0.003 in. dry film thickness.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Design No. U905

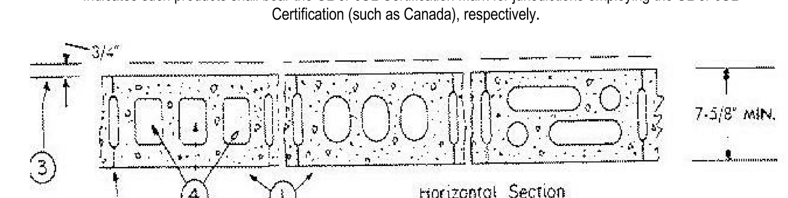
April 09, 2018

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



1. Concrete Blocks* — Various designs. Classification D-2 (2 hr).
See Concrete Blocks category for list of eligible manufacturers.

2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. Portland Cement Stucco or Gypsum Plaster — Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. Loose Masonry Fill — If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. Foamed Plastic* — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", EnergyShield CGF Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS — Types Xci-Class A, Xci 286

RMAX OPERATING L L C — "TSX-8500", "TSX-8510", "Thermasheath-XP", "ECOMAXci", "Thermasheath-3", "Durasheath-3"

THE DOW CHEMICAL CO — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP) and TUFF-R™ ci Insulation

5A. Building Units — As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

RMAX OPERATING L L C — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI"

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

TABLE 721.1(1) ITEM 2-4.1

Two layers of 5/8" Type X gypsum wallboardc are attached to U-shaped brackets spaced 24" on center. 0.018" thick (No. 25 carbon sheet steel gage) 1 5/8" deep by 1" galvanized steel runner channels are first installed parallel to and on each side of the top beam flange to provide a 1/2" clearance to the flange. The channel runners are attached to steel deck or concrete floor construction with approved fasteners spaced 12" on center. U-shaped brackets are formed from members identical to the channel runners. At the bent portion of the U-shaped bracket, the flanges of the channel are cut out so that 1 5/8" deep corner channels can be inserted without attachment parallel to each side of the lower flange.

As an alternative, 0.021" thick (No. 24 carbon sheet steel gage) 1" × 2" runner and corner angles shall be used in lieu of channels, and the web cutouts in the U-shaped brackets shall not be required. Each angle is attached to the bracket with 1/2"-long No. 8 self-drilling screws. The vertical legs of the U-shaped bracket are attached to the runners with one
1/2" long No. 8 self-drilling screw. The completed steel framing provides a 2 1/8" and 1 1/2" space between the inner layer of wallboard and the sides and bottom of the steel beam, respectively. The inner layer of wallboard is attached to the top runners and bottom corner channels or corner angles with 1 1/4"-long No. 6 self-drilling screws spaced 16" on center. The outer layer of wallboard is applied with 1 3/4"-long No. 6 self-drilling screws spaced 8" on center. The bottom corners are reinforced with metal corner beads.

Design No. D903

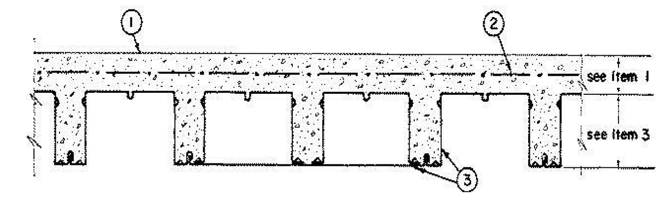
April 23, 2018

Restrained Assembly Ratings — 1, 1-1/2, 2 or 3 Hr.

Unrestrained Assembly Rating — 0 Hr. (See Item 3)

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. Normal-Weight or Lightweight Aggregate Concrete — Normal weight concrete, carbonate or siliceous aggregate, 150 plus or minus 3 pcf unit weight, 4500 psi compressive strength, vibrated. Lightweight concrete, expanded shale or slate aggregate by rotary-kiln method or expanded clay aggregate by rotary-kiln or sintered-grate method, 110 plus or minus 3 pcf unit weight, 4500 psi strength, vibrated, 4 to 7 percent entrained air.

Concrete Thickness-In.

	Fluted Units	
Rating Hr	**Normal Weight**	**Lightweight**
1	3	2-3/4
1-1/2	3-1/2	3
2	4-1/4	3-1/2
3	—	4

	Cellular Units	
Rating Hr	**Normal Weight**	**Lightweight**
1	2-3/4	2-1/2
1-1/2	3-1/4	2-3/4
2	4	3
3	—	3-3/4

Note: When 3 in. deep cellular units are used, the concrete thickness shall be increased 1/4 in. from the thicknesses shown on the above table.

2. **Wire Fabric —** 6x6 — W1.4 x W1.4.

3. **Steel Floor and Form Units* —** Composite or noncomposite. 4-1/2, 6 or 7-1/2 in. deep fluted or 3, 4-1/2, 6 or 7-1/2 in. deep cellular galv units. Fluted units may be phos/ptd. 12 in. or 18 in. wide, 20 MSG min fluted units or 12, 24 in. or 36 in. wide, 20/20 MSG min cellular units. The floor may include all cellular units, all fluted units or any blend of cellular and fluted units. For constructions consisting of fluted and cellular units the greater thickness of concrete topping should be used. Welded to supports 12 in. or 18 in. O.C. max. Adjacent units button-punched, welded or screw fastened together 36 in. O.C. alongside joints. For 7-1/2 in. deep units with clear spans not more than 16 ft 10 in. long and min unit thickness of 18 MSG fluted and 18/18 MSG cellular the Unrestrained Assembly Ratings are 1, 1-1/2 or 2 Hr, dependent upon the Restrained Assembly Rating.

CANAM STEEL CORP — Types H6, H7.5, J, LS4.5, LS6, LS7.5 fluted; Types HC6, HC7.5, JC cellular.

EPIC METALS CORP — Types E450, E600, E750, EC450, EC600, EC750, WC450, WC600, WC750 fluted, EP324, EP324A, EP450, EP450A, EP600, EP600A, EP750, EP750A, ECP324, ECP324A, ECP450, ECP450A, ECP600, ECP600A, ECP750, ECP750A, EDC324, EDC450, EDC600, EDC750, EDCP324, EDCP324A, EDCP450, EDCP450A, EDCP600, EDCP600A, EDCP750, EDCP750A, WCP450, WCP450A, WCP600, WCP600A, WCP750, WCP750A cellular.

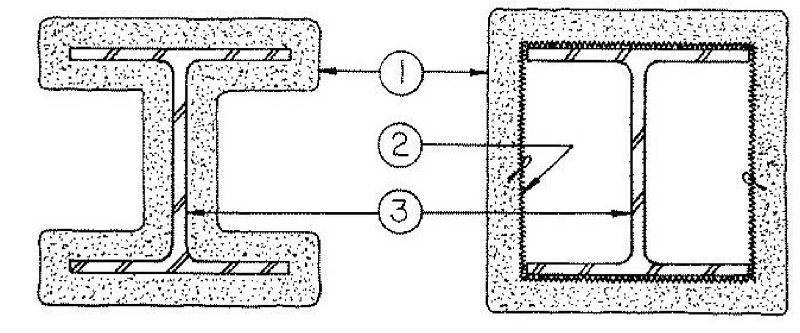
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Design No. X772

July 12, 2019

Ratings — 1, 1-1/2, 2, 3 and 4 h.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



1. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in more than one coat to the thicknesses shown below, to steel surfaces which are clean and free of dirt, loose scale, and oil. Min avg and min ind density of 15/14 pcf respectively. Min avg and min ind density of 22/19 pcf respectively for Types Z-106, Z-106/G, Z-106/HY. Min avg and min ind density of 19/18 pcf respectively for Types 7GP and 7HD. Min avg and min ind density of 40/36 pcf respectively for Types Z-146, Z-146PC and Z-146T cementitious mixture. Min avg and min ind density of 50/45 pcf respectively for Types Z-156, Z-156T and Z-156PC. For method of density determination, see Design Information Section, Sprayed Material.
The thickness of Spray-Applied Fire Resistive Materials to be applied to all surfaces of the column (Item 1) required for rating periods of 1 h, 1-1/2 h, 2 h, 3 h, 4 h may be determined by the equation:

$$h = \frac{R}{1.05\ (W/D) + 0.61}$$

Where:
h = Spray-Applied Fire Resistive Materials thickness in the range 0.25-3.875 in.
R = Fire resistance rating in hours (1 - 4 h)
D = Heated perimeter of steel column in inches
W = Weight of steel column in lbs per foot
W/D = 0.33 to 6.62

As an alternate to the equation, the minimum thickness of Spray-Applied Fire Resistive Materials required for various fire resistance ratings of contour sprayed or boxed columns may be determined from the table below:

Min				Min Thk In.		
Col Size	**W/D**	**1 Hr**	**1-1/2 Hr**	**2 Hr**	**3 Hr**	**4 Hr**
W4x13	0.556	14/16	1 5/16	1 11/16	2 8/16	3 6/16
W5x16	0.550	14/16	1 5/16	1 11/16	2 8/16	3 6/16
W5x19	0.644	13/16	1 3/16	1 9/16	2 6/16	3 2/16
W6x9	0.338	1 1/16	1 8/16	2	2 8/16	3 13/16
W6x12	0.448	15/16	1 7/16	1 14/16	2 8/16	3 12/16
W6x15	0.431	1	1 7/16	1 15/16	2 8/16	3 13/16
W6x16	0.584	13/16	1 4/16	1 11/16	2 8/16	3 5/16
W6x20	0.563	14/16	1 4/16	1 11/16	2 8/16	3 6/16
W6x25	0.696	12/16	1 2/16	1 6/16	2	2 11/16
W8x10	0.327	1 1/16	1 10/16	2 2/16	3 3/16	N/A
W8x13	0.421	1	1 7/16	1 15/16	2 8/16	3 13/16
W8x15	0.481	15/16	1 6/16	1 13/16	2 8/16	3 10/16
W8x18	0.499	15/16	1 6/16	1 13/16	2 8/16	3 9/16
W8x21	0.577	14/16	1 4/16	1 11/16	2 8/16	3 5/16
W8x24	0.591	13/16	1 4/16	1 11/16	2 8/16	3 5/16
W8x28	0.688	12/16	1 3/16	1 6/16	2	2 11/16
W8x31	0.665	13/16	1 3/16	1 9/16	2 5/16	3 1/16
W8x35	0.749	12/16	1 2/16	1 6/16	2	2 11/16
W8x40	0.849	11/16	14/16	1 2/16	1 11/16	2 8/16
W8x48	1.000	10/16	14/16	1 2/16	1 11/16	2 7/16
W8x58	1.200	9/16	13/16	1 2/16	1 10/16	2 3/16
W8x67	1.370	8/16	12/16	1	1 8/16	2
W10x12	0.347	1 1/16	1 8/16	2	2 8/16	3 13/16
W10x15	0.429	1	1 7/16	1 15/16	2 8/16	3 13/16
W10x17	0.482	15/16	1 6/16	1 13/16	2 8/16	3 10/16
W10x19	0.538	14/16	1 5/16	1 12/16	2 8/16	3 7/16
W10x22	0.523	14/16	1 5/16	1 12/16	2 8/16	3 8/16
W10x26	0.612	13/16	1 4/16	1 10/16	2 7/16	3 4/16
W10x30	0.699	12/16	1 2/16	1 6/16	2	2 11/16
W10x33	0.661	13/16	1 3/16	1 9/16	2 5/16	3 2/16
W10x39	0.780	12/16	1 1/16	1 6/16	2	2 11/16
W10x45	0.888	11/16	14/16	1 2/16	1 11/16	2 8/16
W10x49	0.840	11/16	14/16	1 2/16	1 11/16	2 8/16
W10x54	0.922	11/16	14/16	1 2/16	1 11/16	2 8/16
W10x60	1.010	10/16	14/16	1 2/16	1 11/16	2 7/16
W10x68	1.150	9/16	14/16	1 2/16	1 11/16	2 4/16
W10x77	1.280	9/16	13/16	1 1/16	1 9/16	2 1/16
W10x88	1.450	8/16	12/16	1	1 7/16	1 15/16
W10x100	1.640	7/16	11/16	14/16	1 5/16	1 12/16
W10x112	1.810	7/16	10/16	13/16	1 4/16	1 10/16
W12x14	0.363	1 1/16	1 8/16	2	2 8/16	3 13/16
W12x16	0.410	1	1 8/16	1 15/16	2 8/16	3 13/16
W12x19	0.485	15/16	1 6/16	1 13/16	2 8/16	3 10/16
W12x22	0.560	14/16	1 5/16	1 11/16	2 8/16	3 6/16
W12x26	0.531	14/16	1 5/16	1 12/16	2 8/16	3 7/16
W12x30	0.607	13/16	1 4/16	1 10/16	2 7/16	3 4/16
W12x35	0.703	12/16	1 2/16	1 6/16	2	2 11/16
W12x40	0.734	12/16	1 2/16	1 6/16	2	2 11/16
W12x45	0.829	11/16	1 1/16	1 6/16	2	2 11/16
W12x50	0.909	11/16	14/16	1 2/16	1 11/16	2 8/16
W12x53	0.855	11/16	14/16	1 2/16	1 11/16	2 8/16
W12x58	0.925	11/16	14/16	1 2/16	1 11/16	2 8/16
W12x65	0.925	11/16	14/16	1 2/16	1 11/16	2 8/16
W12x72	1.020	10/16	14/16	1 2/16	1 11/16	2 7/16
W12x79	1.110	10/16	14/16	1 2/16	1 11/16	2 5/16
W12x87	1.220	9/16	13/16	1 1/16	1 10/16	2 2/16
W12x96	1.340	8/16	12/16	1	1 8/16	2
W12x106	1.470	8/16	12/16	15/16	1 7/16	1 14/16
W12x120	1.650	7/16	11/16	14/16	1 5/16	1 12/16
W12x136	1.860	7/16	10/16	13/16	1 3/16	1 9/16
W12x152	2.040	6/16	9/16	12/16	1 2/16	1 8/16
W12x170	2.260	6/16	9/16	11/16	1 1/16	1 6/16
W12x190	2.500	5/16	8/16	10/16	15/16	1 4/16
W12x210	2.730	5/16	7/16	9/16	14/16	1 3/16
W12x230	2.960	5/16	7/16	9/16	13/16	1 2/16
W12x252	3.200	5/16	7/16	9/16	13/16	1 1/16
W12x279	3.500	4/16	6/16	8/16	12/16	15/16
W12x305	3.760	4/16	6/16	8/16	11/16	15/16
W12x336	4.060	4/16	5/16	7/16	10/16	14/16
W14x22	0.476	15/16	1 6/16	1 13/16	2 8/16	3 10/16
W14x26	0.559	14/16	1 5/16	1 11/16	2 8/16	3 6/16
W14x30	0.562	14/16	1 4/16	1 11/16	2 8/16	3 6/16
W14x34	0.633	13/16	1 3/16	1 10/16	2 6/16	3 3/16
W14x38	0.706	12/16	1 2/16	1 6/16	2	2 11/16
W14x43	0.752	12/16	1 2/16	1 6/16	2	2 11/16
W14x48	0.835	11/16	1 1/16	1 6/16	2	2 11/16
W14x53	0.915	11/16	14/16	1 2/16	1 11/16	2 8/16
W14x61	0.928	11/16	14/16	1 2/16	1 11/16	2 8/16
W14x68	1.040	10/16	14/16	1 2/16	1 11/16	2 6/16
W14x74	1.120	9/16	14/16	1 2/16	1 11/16	2 4/16
W14x82	1.230	9/16	13/16	1 1/16	1 10/16	2 2/16
W14x90	1.080	10/16	14/16	1 2/16	1 11/16	2 5/16
W14x99	1.180	9/16	13/16	1 2/16	1 10/16	2 3/16
W14x109	1.290	9/16	13/16	1 1/16	1 9/16	2 1/16
W14x120	1.420	8/16	12/16	1	1 7/16	1 15/16
W14x132	1.560	8/16	11/16	15/16	1 6/16	1 13/16
W14x145	1.640	7/16	11/16	14/16	1 5/16	1 12/16
W14x159	1.780	7/16	10/16	13/16	1 4/16	1 10/16

***SEE UL ONLINE CERTIFICATIONS DIRECTORY FOR ADDITIONAL TABLE(S)**

ARABIAN VERMICULITE INDUSTRIES — Types MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, Z-106, Z-106/G, Z-106/HY.

GCP KOREA INC — Types MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, Z-106, Z-106/G, Z-106/HY.

PYROK INC — Type LD.

SOUTHWEST FIREPROOFING PRODUCTS CO — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6/HY Extended Set, MK-10 HB, MK-10 HB Extended Set, MK-6/HB, MK-6s, RG, Z-106, Z-106/G, Z-106/HY, Z-146, Z-146PC, Z-146T, Z-156, Z-156T and Z-156PC (Types Z-146, Z-146PC, Z-146T, Z-156, Z-156PC, Z-156T also investigated for exterior use).

2. **Metal Lath —** (Optional for contour application) — 3.4 lb/sq yd galvanized or painted expanded steel lath. Lath shall be lapped 1 in. and tied together with No. 18 SWG galvanized steel; wire spaced vertically 6 in. O.C.

3. **Steel Column —** Wide flange steel column, min/max sizes as specified above.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

PHONE: (859) 957-1277
FAX: (859) 957-1280

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

DRAWING TITLE:
UL FIRE-RESISTANCE ASSEMBLIES

JANUARY 30, 2020
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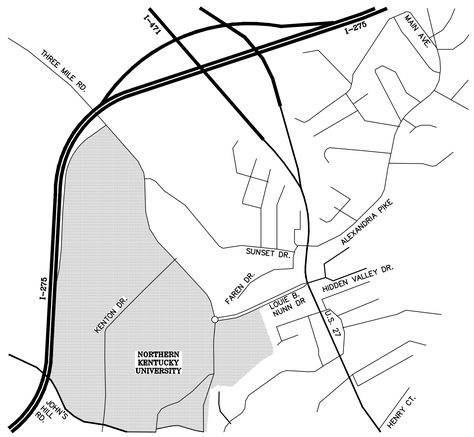
NORTHERN KENTUCKY UNIVERSITY RESIDENCE HALL

CARROLL DRIVE AT KENTON DRIVE
HIGHLAND HEIGHTS, KY 41099



VICINITY MAP
N.T.S.

Sheet Index

Sheet Number	Sheet Title
C000	COVER
C001	GENERAL NOTES AND DETAILS
C002	CONSTRUCTION DETAILS
C003	STORMWATER UTILTY STANDARD DRAWINGS
C004	WATER UTILITY STANDARD DRAWINGS
C005	SANITARY STANDARD DRAWINGS
C100	EXISTING CONDITIONS
C200	DEMOLITION PLAN
C300	LOCATION PLAN
C400	GRADING PLAN
C500	UTILITY PLAN
C501	STORM PROFILES
C700	EROSION CONTROL PLAN
C701	EROSION CONTROL NOTES
C702	EROSION CONTROL DETAILS

CONTACTS

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STORM

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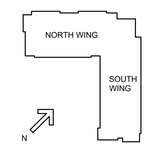
STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION
1	06-21-2019	SCHEMATIC DESIGN SUBMISSION
2	10-16-2019	DESIGN DEVELOPMENT SUBMISSION
3	11-05-2019	LAND DISTURBANCE PERMIT
4	1-06-2020	LAND DISTURBANCE PERMIT/OWNER REVIEW SET
5	1-16-2020	OWNER REVIEW SET
6	1-30-2020	KENTUCKY PERMIT SET

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
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1100 Envoy Circle
Louisville, KY 40299
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JANUARY 30, 2020

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STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
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PROFESSIONAL ENGINEER

#18237

C000

BID & PERMIT SUBMITTAL

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GENERAL NOTES

1. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
2. THE CONTRACTOR IS TO PERFORM ALL INSPECTIONS AS REQUIRED BY THE KENTUCKY DEP FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES) PERMIT AND FURNISH OWNERS REPRESENTATIVE WITH WRITTEN REPORTS. OWNER WILL OBTAIN PERMITS.
3. ITEM NUMBERS REFER TO THE KENTUCKY TRANSPORTATION CABINET CONSTRUCTION AND MATERIAL SPECIFICATIONS, AND ALL CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OF CAMPBELL COUNTY. WHEN IN CONFLICT, THE KYTC REQUIREMENTS SHALL PREVAIL.
4. PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
5. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
6. SUBGRADE EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. SUBGRADE PREPARATION SHALL BEGIN BY CLEARING & STRIPPING UNSUITABLE MATERIAL FROM SITE, THEN PLACE & COMPACT BACKFILL MATERIAL AT GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. ALL BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.
7. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
8. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
9. ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED.
10. CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL, PRACTICES REQUIRED BY CAMPBELL COUNTY AND SD1.
11. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION SHALL BE SEEDED AS SOON AS PRACTICAL IN ACCORDANCE WITH SPECIFICATIONS.
12. ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE PRIVATE AND MAINTAINED BY THE OWNER.
13. THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTION ETC. AS REQUIRED TO CONVEY THE PAVED SURFACE DRAINAGE TO THE EXISTING DRAINAGE SYSTEM.
14. CONTRACTOR TO REMOVE & REPLACE PAVEMENT AS SPECIFIED.
15. THE CONTRACTOR IS RESPONSIBLE FOR BALANCING THE SITE EARTHWORK BY IMPORTING OR EXPORTING AS NECESSARY TO ACHIEVE DESIGN GRADES AND SPECIFICATIONS.
16. CONCRETE WALKS SHALL BE FORMED WITH CONTROL JOINTS EQUALLY SPACED AT NO MORE THAN 6' ON CENTER.
17. ANY FIELD TILE CUT MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
18. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS.
19. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING, EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
20. PARKING SPACES ARE 9' x 18' UNLESS OTHERWISE NOTED.
21. FINAL SITE STABILIZATION IS CONSIDERED ACHIEVED ONCE ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES ARE REMOVED AND DISPOSED OF AND ALL TRAPPED SEDIMENT HAS BEEN PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
22. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WILL BE DISPOSED OF AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES WILL BE PERMANENTLY STABILIZED TO PREVENT EROSION AND SEDIMENTATION.
23. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
24. DANDY BAGS TO BE USED AT ALL STORM INLETS FOR EROSION CONTROL
25. ALL END OF CURBS TAPER SIX INCHES IN TWELVE INCHES.
26. JASON BURLAGE AT SANITATION DISTRICT NO. 1 IS TO BE CONTACTED 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY AT 859-578-6892, PER SECTION 1108.
27. CONTRACTOR TO LAYOUT BUILDING BASED ON ARCHITECTURAL/FOUNDATION PLANS. SITE PLAN IS FOR CONCEPTUAL PURPOSES ONLY.

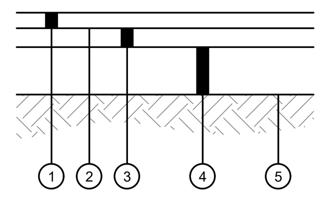
UTILITY NOTES

1. ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
2. ALL STORM STRUCTURES ARE KYTC TYPES UNLESS OTHERWISE INDICATED.
3. STORM SEWER PIPE LABELED "STM" SHALL BE ONE OF THE FOLLOWING: PVC SDR-35, OR HIGH DENSITY POLYETHYLENE. STORM SEWER PIPE LABELED "RCP" SHALL BE REINFORCED CONCRETE PIPE. ALL STORM PIPE USED MUST HAVE A MANUFACTURER SPECIFIED FRICTION FACTOR OF 0.013 (n=0.013) OR LESS.
4. STEPS SHALL BE PROVIDED IN ALL CATCH BASINS AND MANHOLES OVER 4' DEEP.
5. CONTRACTOR SHALL SECURE ALL PERMITS AND FURNISH ALL DRAWINGS REQUIRED FOR UTILITY TAPS PRIOR TO STARTING CONSTRUCTION.
6. PROVIDE MANUFACTURERS RECOMMENDED COVER OVER TOP OF STORM PIPE DURING CONSTRUCTION, UNTIL PAVING OPERATIONS BEGIN.
7. SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING REQUIRED VERTICAL SEPARATION BETWEEN UTILITIES BY VARYING DEPTH OF UNDERGROUND ELECTRIC, TELEPHONE, WATER AND GAS.
8. WATERLINE SHALL HAVE A MINIMUM OF 4.0' OF COVER.
9. A MINIMUM OF 1.5' OF VERTICAL CLEARANCE SHALL BE MAINTAINED BETWEEN UTILITIES AT ALL TIMES.
10. FIRE HYDRANT ASSEMBLY INCLUDES FIRE HYDRANT AND 6" WATER VALVE.
11. PROVIDE UNDERGROUND FLUSH CERTIFICATES PER NFPA
12. SANITARY SERVICE SHALL BE 6" PVC-SDR 35 OR APPROVED EQUAL (CONFORMING TO SD1 WATER & SEWER DEPARTMENT RULES AND REGULATIONS) INSTALLED AT A MINIMUM SLOPE OF ONE PERCENT (1.00%) UNLESS OTHERWISE NOTED SANITARY SERVICE SHALL BE INSTALLED AT A MINIMUM DEPTH OF FOUR FEET (4') UNLESS OTHERWISE NOTED. A MINIMUM OF 18" CLEARANCE SHALL BE MAINTAINED AT ALL WATERLINE CROSSINGS. SANITARY SERVICE JOINTS ALL CONFORM TO ASTM D-321.
13. FORTY-EIGHT HOURS BEFORE DIGGING IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE KENTUCKY UNDERGROUND PROTECTION SERVICE, AND ALL OTHER AGENCIES WHICH MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT AND ARE NON-MEMBERS OF THE KENTUCKY UNDERGROUND PROTECTION SERVICE.
14. EXISTING UNDERGROUND UTILITIES AND SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO THE BEST INFORMATION AVAILABLE. THE LOCATIONS SHOWN ARE INTENDED ONLY AS A GUIDE AND CANNOT BE GUARANTEED ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
   A. CONTACTING THE INDIVIDUAL UTILITY OWNERS TEN DAYS PRIOR TO CONSTRUCTION AND ADVISING THEM OF THE WORK TO TAKE PLACE.
   B. SOLICITING THEIR AID IN LOCATING AND PROTECTING ANY UTILITY WHICH MAY INTERFERE WITH CONSTRUCTION.
   C. EXCAVATING AND VERIFYING THE HORIZONTAL AND VERTICAL LOCATION OF EACH UTILITY.
   D. ALL DAMAGE TO ANY EXISTING UTILITY.

GRADING & EROSION CONTROL NOTES

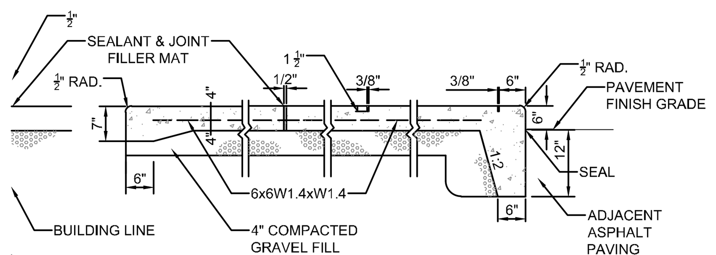
1. THE NPDES PERMIT REQUIRES THAT ALL AREAS WHICH ARE AT OR NEAR FINAL GRADE, OR WHICH REMAIN DORMANT FOR MORE THAN 21 DAYS OR LONGER BE STABILIZED WITHIN 7 DAYS OF LAST ACTIVITY. VELOCITY DISSIPATION DEVICES SHOULD BE PLACED AT THE OUTFALL OF ALL DETENTION OR RETENTION STRUCTURES AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE FLOW VELOCITY FROM THE STRUCTURE TO THE WATER COURSE.
2. THE NPDES PERMIT REQUIRES THAT SEDIMENT AND EROSION CONTROLS BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF 0.5" OR GREATER RAINFALL. A WRITTEN LOG SHOULD INDICATE THE DATE OF INSPECTION NAME OF INSPECTOR, WEATHER CONDITIONS, OBSERVATIONS, ACTIONS TAKEN TO CORRECT ANY PROBLEMS AND THE DATE ACTION WAS TAKEN.
3. SOLID, SANITARY AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL REGULATIONS.
4. TEMPORARY SEEDING TYPES-
   A.) TALL FESCUE--SEED AT A RATE OF 50 LBS./ACRE (1 LB./100 SQ. FT.) AND MULCH WITH STRAW AT A RATE OF 2 TONS PER ACRE (90 LBS./1000 SQ. FT.). ESTABLISH BETWEEN MARCH 15 AND SEPTEMBER 30. COVER THE SEED 1/4-1/2 INCH BY RAKE OR SIMILAR TOOL. THIS IS THE MOST WIDELY USED AND BEST ADAPTED GRASS FOR STREAMBANK SEEDINGS. IT HAS GOOD TOLERANCE TO WET SOILS AND FLOODING. IT IS ALSO WELL ADAPTED TO WELL DRAINED SOILS.

   B.) REED CANARYGRASS (PHALARIS ARUNDINACAE) PLUS TALL FESCUE--SEED THE REED CANARYGRASS AT A RATE OF 15LBS./ACRE (1/3 LB./1000 SQ. FT.), PLUS 10 LBS./ACRE (1/4LB./1000 SQ. FT.) OF TALL FESCUE. MULCH WITH STRAW AT A RATE OF 2 TONS/ACRE (90 LBS./1000 SQ. FT.). THIS MIXTURE SHOULD ONLY BE SEEDED FROM MARCH 1 TO MAY 15, OR AUGUST 1 TO SEPTEMBER 30. COVER THE SEED 1/4-1/2 INCH BY RAKING OR SIMILAR TOOL. THIS MIXTURE IS ADAPTABLE TO SOILS THAT ARE VERY WET AS WELL AS WELL DRAINED SOIL CONDITIONS. REED CANARYGRASS CAN WITHSTAND EXTENDED PERIODS OF FLOODING. IT IS EXCELLENT FOR EROSION CONTROL. REED CANARYGRASS CAN ALSO BE ESTABLISHED BY SOD STRIPS, USING RHIZIMES, OR FRESHLY CUT CULMS. THE LOCAL CONSERVATION SERVICE OFFICE CAN PROVIDE THE SPECIFIC DETAILS REQUIRED TO USE ONE OF THE ALTERNATIVE ESTABLISHMENT METHODS.



1. 1 1/2" KYTC ITEM 400 ASPHALT CONCRETE SURFACE COURSE
2. TACK COAT, APPLY IF TIME BETWEEN ASPHALT LIFTS EXCEEDS 30 DAYS
3. 3 1/2" KYTC ITEM 400 ASPHALT CONCRETE INTERMEDIATE COURSE
4. 8" KYTC ITEM 302 AGGREGATE BASE
5. SUBGRADE COMPACTION, REFERENCE KYTC ITEM 207, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

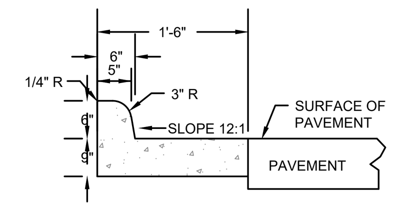
1/C001 HEAVY DUTY ASPHALT PAVEMENT DETAIL
N.T.S.



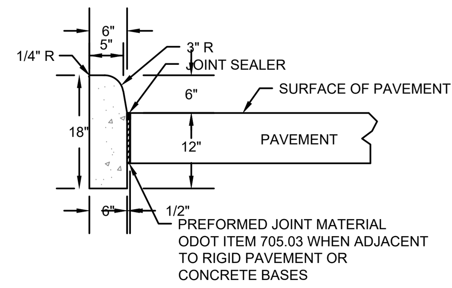
NOTES:

1. INSTALL EXPANSION JOINTS AT 30' OC MAXIMUM AND WHERE SLAB ABUTS STRUCTURES. WHERE NEW WALK ABUTS ADJOINING WALK, SAWCUT EXISTING WALK TO NEAREST JOINT AND INSTALL EXPANSION JOINT. EXPANSION JOINTS SHALL BE 1/2" WIDE BY DEPTH OF SLAB. SEAL ALL EXPANSION JOINTS.
2. INSTALL CONTROL JOINTS AT 6' OC MAXIMUM AND AT 6" BEHIND INTEGRAL CURB. CONTROL JOINTS SHALL BE 3/8" WIDE BY 1 1/2" DEEP AND TOOLED, SAWED JOINTS ARE NOT PERMITTED.
3. WALK SHALL HAVE A MINIMUM CROSS SLOPE OF 1.00%, MAXIMUM CROSS SLOPE OF 2.00%.
4. WATER AND UTILITY BOXES IN THE WALK AREA SHALL BE ADJUSTED FLUSH WITH THE FINAL SURFACE.
5. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DETAIL AT ALL BUILDING DOORS.
6. JOINTING PLANS MUST BE SUBMITTED FOR APPROVAL.

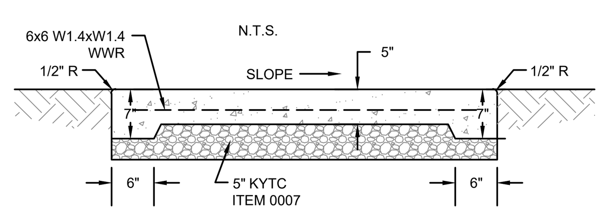
2/C001 EXTERIOR CONCRETE SLAB WALK WITH INTEGRAL CURB DETAIL
N.T.S.



3/C001 CURB AND GUTTER DETAIL
N.T.S.



4/C001 BARRIER CURB DETAIL



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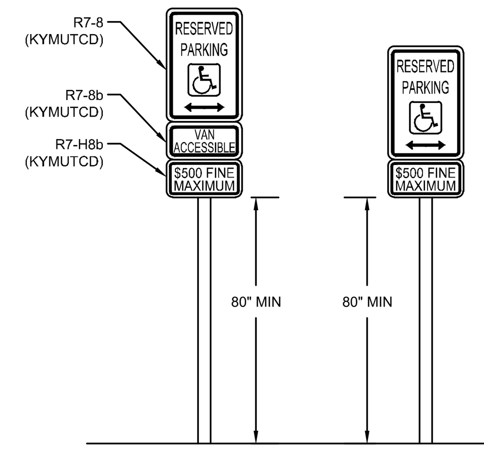
4. WATER AND UTILITY BOXES IN THE WALK AREA SHALL BE ADJUSTED FLUSH WITH THE FINAL SURFACE.
5. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DETAIL AT ALL BUILDING DOORS.

5/C001 EXTERIOR CONCRETE SLAB WALK DETAIL
N.T.S.



GENERAL NOTES:
1. U-TYPE FLANGED STEEL SIGN POST SET IN EARTH IF OUTSIDE PAVEMENT EDGE, OR IN CONCRETE TO A MINIMUM DEPTH OF 3'-0" IF WITHIN PAVEMENT.

R7-B NOTES:
1. 12"X18"X16 GA. STEEL SIGN
2. GREEN LETTERING, BORDER, AND ARROW WITH WHITE BACKGROUND. WHITE HANDICAP SYMBOL IN BLUE BOX.

R7-8b NOTES:
1. 12"X6"X16 GA. STEEL SIGN
2. WHITE LETTERING AND BORDER WITH BLUE BACKGROUND.

R7-H8b NOTES:
1. 12"X6"X16 GA. STEEL SIGN.
2. GREEN LETTERING AND BORDER WITH WHITE BACKGROUND.

NOTE:
1. ONE ACCESSIBLE PARKING SPACE FOR EVERY SIX OR FRACTION THERE OF SHALL BE DESIGNATED AS "VAN ACCESSIBLE". LOCATION AS NOTED ON THE DRAWINGS.
2. ONE SIGN TO BE INSTALLED AT EACH ACCESSIBLE PARKING SPACE

6/C001 ACCESSIBLE PARKING SIGN DETAIL
NTS

NOTES:

GENERAL

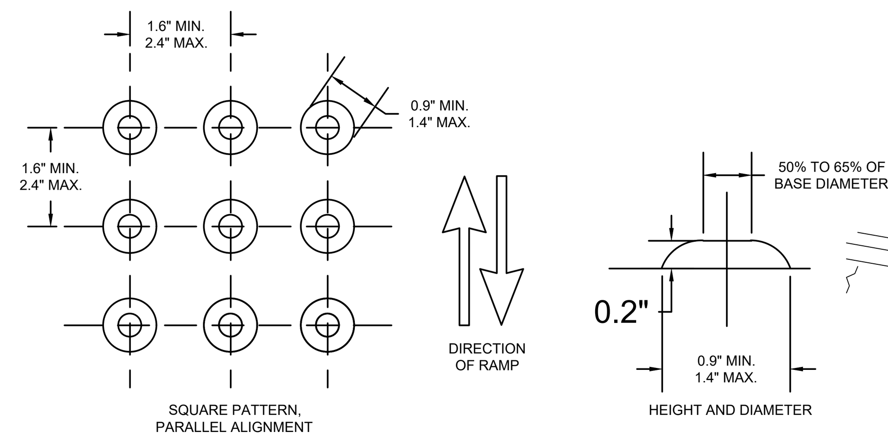
1. DETECTABLE WARNINGS ARE A DISTINCTIVE SURFACE PATTERN OF TRUNCATED DOMES WHICH ARE DETECTABLE BY CANE OR UNDERFOOT TO ALERT PEOPLE WITH VISION IMPAIRMENTS OF THEIR APPROACH TO STREETS AND HAZARDOUS DROP-OFFS.

PLACEMENT

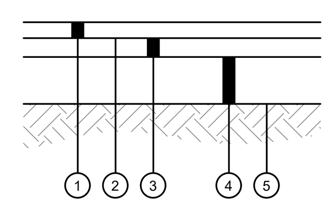
2. DETECTABLE WARNINGS ARE TO BE INSTALLED AT ANY LOCATION WHERE PEDESTRIANS MIGHT CROSS PATHS WITH VEHICULAR TRAFFIC LANES, SUCH AS THE BASE OF CURB RAMPS OR AT BLENDED CURBS. A 24" STRIP OF DOMES IS TO BE INSTALLED FOR THE FULL WIDTH OF THE RAMP OR WALK.
3. THE DEPTH OF CONCRETE UNDERNEATH DETECTABLE WARNING PRODUCTS SHALL BE A MINIMUM OF 4".

PRODUCTS & COLORS

4. COLOR OF THE DETECTABLE WARNINGS SHOULD CONTRAST WITH SURROUNDING CONCRETE WALK AND RAMP. BLACK IS NOT AN ACCEPTABLE COLOR. APPROVED PRODUCTS AND GUIDANCE ON COLOR MAY BE FOUND ON THE KYTC ENGINEERING SERVICE'S DETECTABLE WARNINGS APPROVED LIST. INSTALL PRODUCTS AS PER MANUFACTURER'S PRINTED INSTRUCTIONS.

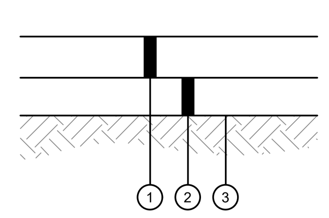


7/C001 DETECTABLE WARNINGS DETAIL
N.T.S.



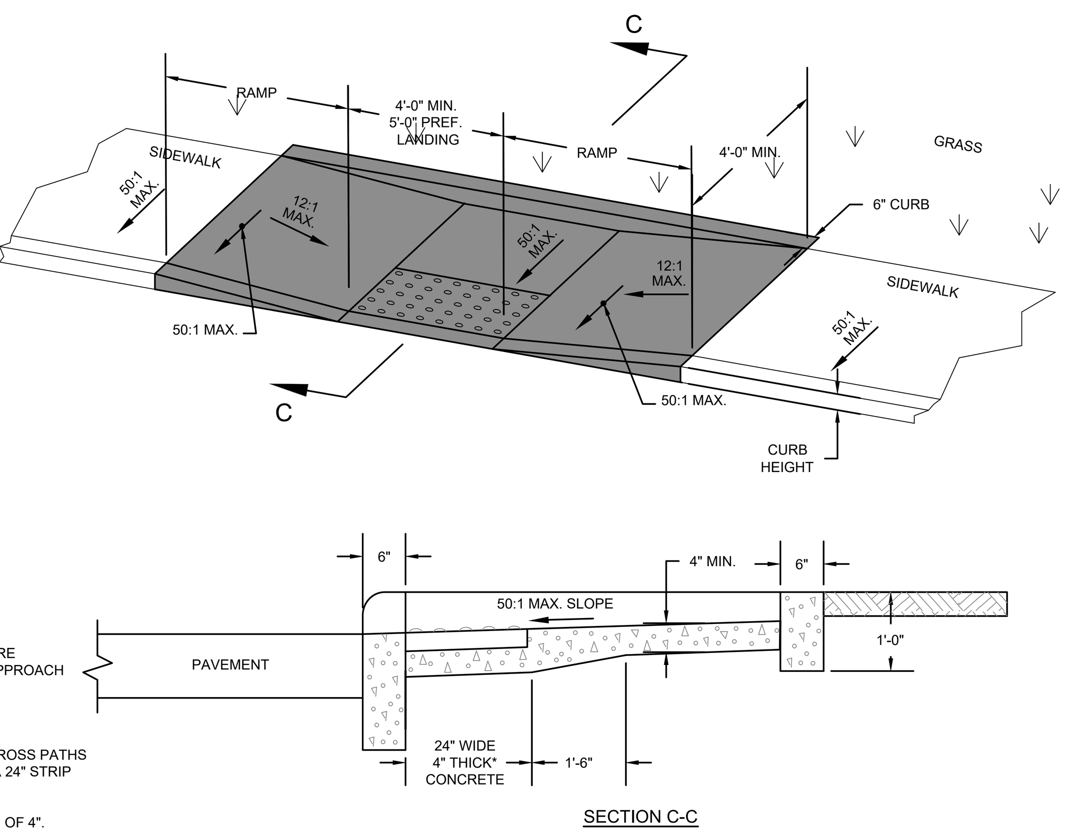
1. 1 1/2" KYTC ITEM 400 ASPHALT CONCRETE SURFACE COURSE
2. TACK COAT, APPLY IF TIME BETWEEN ASPHALT LIFTS EXCEEDS 30 DAYS
3. 2 1/2" KYTC ITEM 400 ASPHALT CONCRETE INTERMEDIATE COURSE
4. 8" KYTC ITEM 302 AGGREGATE BASE
5. SUBGRADE COMPACTION, REFERENCE KYTC ITEM 207, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

8/C001 LIGHT DUTY ASPHALT PAVEMENT DETAIL
N.T.S.



1	7" KYTC ITEM 501 NONREINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
2	6" KYTC ITEM 302 AGGREGATE BASE
3	SUBGRADE COMPACTION, REFERENCE KYTC ITEM 207, EARTHWORK SPECIFICATION 312000 AND SOILS REPORT

12/C001 DUMPSTER PAD DETAIL
N.T.S.

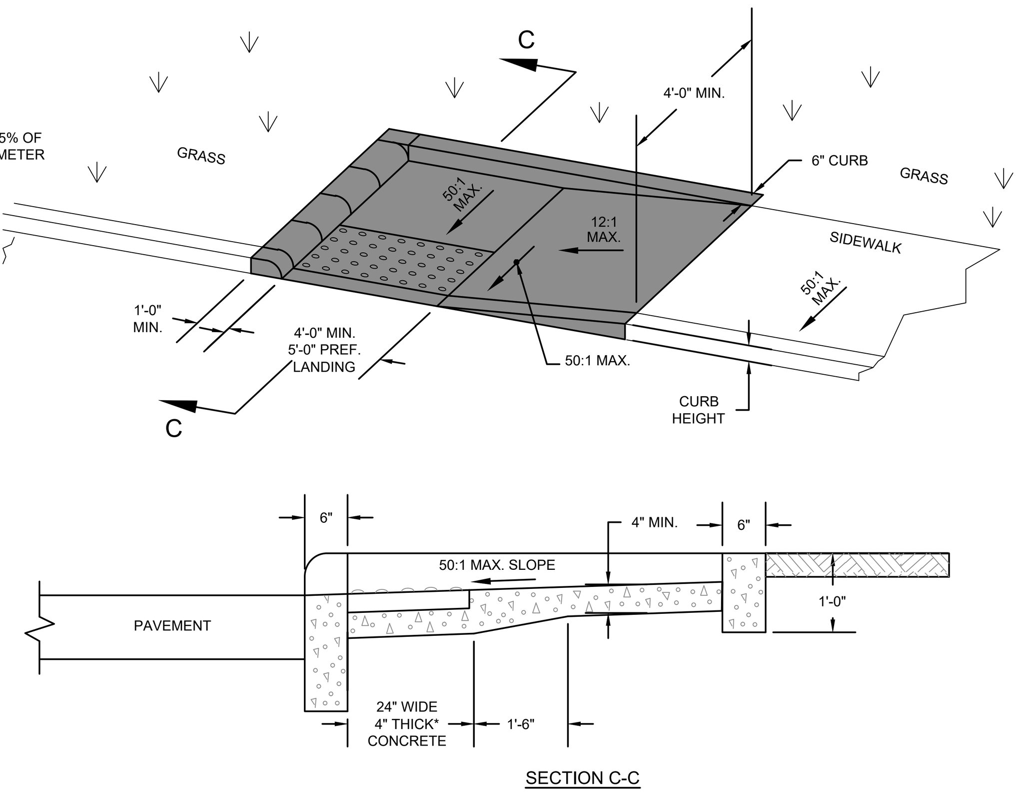


NOTES:

1. WHILE RAMPS MAY BE SKEWED TO THE CROSSWALK, THE ENTIRE LOWER LANDING AREA MUST FALL WITHIN THE CROSS WALK THAT THE RAMP SERVES AND CANNOT BE LOCATED IN THE TRAVELED LANE OF OPPOSING TRAFFIC.
2. THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF A CURB RAMP, LANDING, OR BLENDED TRANSITIONS SHALL BE 20:1 OR FLATTER.
3. THE BOTTOM EDGE OF THE RAMP SHALL CHANGE PLANES PERPENDICULAR TO THE LANDING.
4. THE EDGE OF THE CURB SHALL BE FLUSH WITH THE EDGE OF THE ADJACENT PAVEMENT AND GUTTER AND SURFACE SLOPES THAT MEET GRADE BREAKS SHALL ALSO BE FLUSH.
5. RAMP LANDINGS SHALL BE 4' MIN. X 4' MIN. WITH A 50:1 OR FLATTER CROSS SLOPE AND RUNNING SLOPE.
6. **DETECTABLE WARNINGS:** INSTALL DETECTABLE WARNINGS ON EACH CURB RAMP WITH APPROVED MATERIALS, AS SHOWN IN SEPARATE DETAIL. INSTALL THESE PROPRIETY PRODUCTS AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
7. **DRAINAGE:** CONTRACTOR IS TO ENSURE THE BASE OF EACH CONSTRUCTED CURB RAMP ALLOWS FOR PROPER DRAINAGE, WITHOUT EXCEEDING ALLOWABLE CROSS SLOPE OR RAMP SLOPES. VERTICAL CHANGE IN LEVEL EXCEEDING ⅛" BETWEEN THE 1) PAVEMENT AND GUTTER, AND 2) GUTTER AND RAMP, ARE NOT ALLOWED.
8. **SURFACE TEXTURE:** TEXTURE CONCRETE SURFACES BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES TO BE ROUGHER THAN THE ADJACENT WALK.
9. **JOINTS:** PROVIDE EXPANSION JOINTS IN THE CURB RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH ITEM 608.03 REQUIREMENTS FOR A NEW CONCRETE WALK. PROVIDE A ½" ITEM 705.03 EXPANSION JOINT FILLER AROUND THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALKS. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGES AND SLOPE CHANGES, AND DO NOT NECESSARILY INDICATE JOINT LINES.

*WHERE POSSIBLE, POUR RAMP AREA INTEGRAL WITH THE CURB, OTHERWISE USE 6" THICK WALK.

9/C001 CURB RAMP DETAIL - DOUBLE SIDED PARALLEL
N.T.S.



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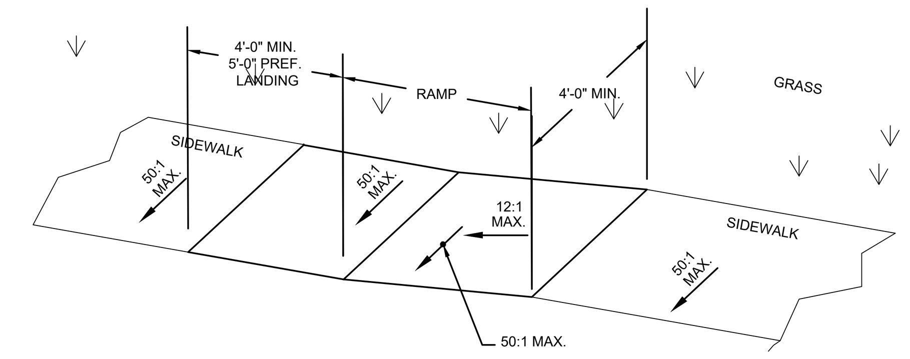
10/C001 CURB RAMP DETAIL - SINGLE SIDED PARALLEL (NOT USED)
N.T.S.



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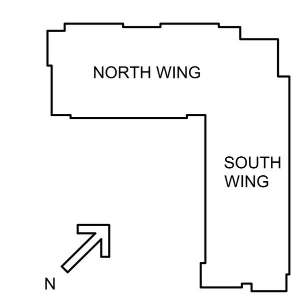
4. **DETECTABLE WARNINGS:** INSTALL DETECTABLE WARNINGS ON EACH CURB RAMP WITH APPROVED MATERIALS, AS SHOWN IN SEPARATE DETAIL. INSTALL THESE PROPRIETY PRODUCTS AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
5. **DRAINAGE:** CONTRACTOR IS TO ENSURE THE BASE OF EACH CONSTRUCTED RAMP ALLOWS FOR PROPER DRAINAGE, WITHOUT EXCEEDING ALLOWABLE CROSS SLOPE OR RAMP SLOPES. VERTICAL CHANGE IN LEVEL EXCEEDING ⅛" BETWEEN THE 1) PAVEMENT AND GUTTER, AND 2) GUTTER AND RAMP, ARE NOT ALLOWED.
6. **SURFACE TEXTURE:** TEXTURE CONCRETE SURFACES BY COARSE BROOMING TRANSVERSE TO THE RAMP SLOPES TO BE ROUGHER THAN THE ADJACENT WALK.
7. **JOINTS:** PROVIDE EXPANSION JOINTS IN THE RAMP AS EXTENSIONS OF WALK JOINTS AND CONSISTENT WITH ITEM 608.03 REQUIREMENTS FOR A NEW CONCRETE WALK. PROVIDE A ½" ITEM 705.03 EXPANSION JOINT FILLER AROUND THE EDGE OF RAMPS BUILT IN EXISTING CONCRETE WALKS. LINES SHOWN ON THIS DRAWING INDICATE THE RAMP EDGES AND SLOPE CHANGES, AND DO NOT NECESSARILY INDICATE JOINT LINES.

11/C001 STANDARD RAMP DETAIL
N.T.S.

13/C001

STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION
1	06-21-2019	SCHEMATIC DESIGN SUBMISSION
2	10-16-2019	DESIGN DEVELOPMENT SUBMISSION
3	11-05-2019	LAND DISTURBANCE PERMIT
4	1-06-2020	LAND DISTURBANCE PERMIT/OWNER REVIEW SET
5	1-16-2020	OWNER REVIEW SET
6	1-30-2020	KENTUCKY PERMIT SET

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DRAWING TITLE:

GENERAL NOTES AND DETAILS

STATE OF KENTUCKY PATRICK S. WARNEMENT 31221 LICENSED PROFESSIONAL ENGINEER

JANUARY 30, 2020
DRAWN BY: **JS** CHECKED BY: **PSW**
#18237
C001
BID & PERMIT SUBMITTAL

H:\Engineering2007-2008\P\080115\029\DWG_Sheets\080115029.dwg 1/30/2020 5:42:46 PM, jspalding

PRINT DATE: 1/30/2020 4:43:44 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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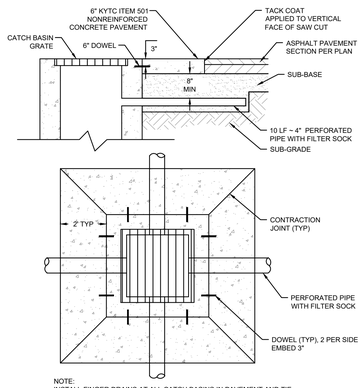
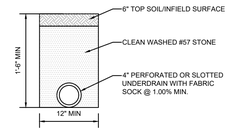
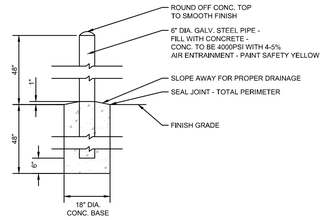


NOTE:
INSTALL FINGER DRAINS AT ALL CATCH BASINS IN PAVEMENT AND TIE IN UNDERDRAINS AS NECESSARY

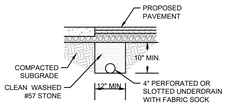
1 C002 FINGER DRAIN AND CATCH BASIN CONCRETE APRON DETAIL
NTS



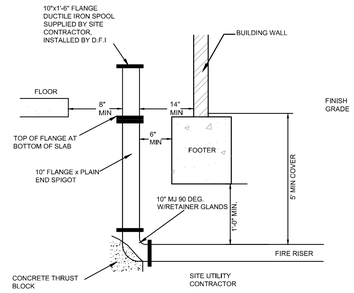
5 C002 FIELD UNDERDRAIN DETAIL
N.T.S.



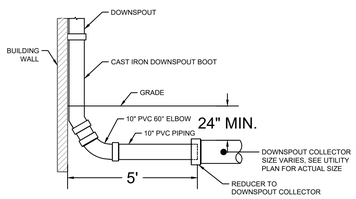
6 C002 PIPE BOLLARD DETAIL
N.T.S.



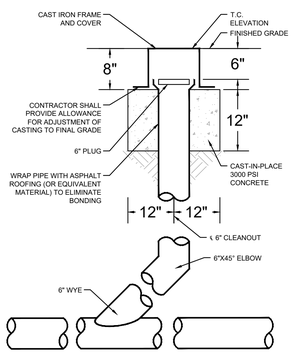
2 C002 PAVEMENT UNDERDRAIN DETAIL
N.T.S.



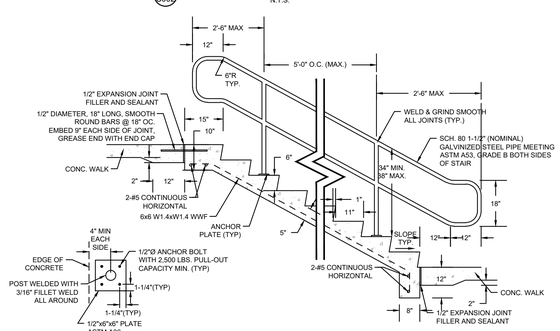
7 C002 FIRE RISER DETAIL
N.T.S.



3 C002 DOWNSPOUT BOOT DETAIL
N.T.S.



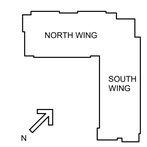
4 C002 CLEANOUT DETAIL
N.T.S.



NOTE:
CONTRACTOR SHALL INSTALL HANDRAIL PER DETAIL AND MODIFY OVERALL LENGTH AS NECESSARY PER NUMBER OF STAIR RISERS SHOWN ON PLAN.

8 C002 EXTERIOR STAIR DETAIL
N.T.S.

STATE OF KENTUCKY APPROVAL



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Louisville, KY 40299
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DRAWING TITLE:
CONSTRUCTION DETAILS

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED
PROFESSIONAL ENGINEER

JANUARY 30, 2020
DRAWN BY: JS CHECKED BY: PSW
#18237
C002
BID & PERMIT SUBMITTAL

PRINT DATE: 1/30/2020 4:43:44 PM
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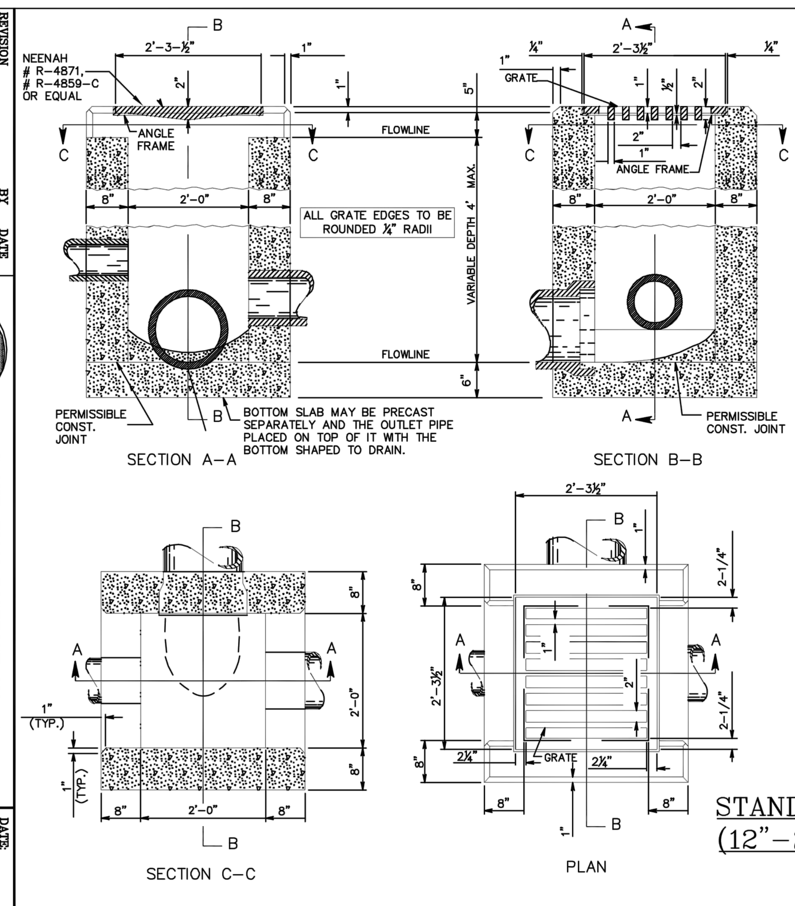


NOTES

CATCH BASIN IS NOT INTENDED FOR TRAFFIC BEARING APPLICATIONS

GRATE AND FRAME: GRATES AND FRAMES SHALL BE NEENAH R-4871, R-4859-C, OR AN APPROVED EQUAL.

WALLS: CAST-IN-PLACE WALLS HAVE A NOMINAL THICKNESS OF 8". PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE. CONCRETE SHALL MEET REQUIREMENTS OF SD1'S SPECIFICATIONS SECTION 02630, PARAGRAPH 3.1.1.

PRECAST BASE: IT SHALL BE SET DEEP ENOUGH SO THAT THE TOP CAN BE PLACED ON THE BASE TO PROVIDE THE GRATE ELEVATION SPECIFIED IN THE PLANS. GRADE ADJUSMENT SHALL BE MADE PER SECTION 02630, PARAGRAPHS 3.2.4 AND 3.2.5. CONCRETE SHALL MEET REQUIREMENTS OF SD1'S SPECIFICATIONS SECTION 02630, PARAGRAPH 3.1.1.

LOCATION AND ELEVATION: WHEN GIVEN ON THE PLANS, LOCATION AND ELEVATION ARE AT THE TOP CENTER OF THE GRATE.

MINIMUM DEPTH: THE MINIMUM DEPTH SHALL BE THE OUTSIDE DIAMETER (O.D.) OF THE OUTLET PIPE PLUS 7".

OPENINGS: PIPE OPENINGS SHALL BE THE O.D. OF THE PIPE BEING SUPPLIED PLUS 3" WHEN FABRICATED OR FIELD CUT. THE INTERSTITIAL SPACE SHALL BE FILLED WITH GROUT.

SIDE INLETS: INLETS SHALL BE PROVIDED ON BOTH SIDES OF THE CATCH BASIN IN SAGS AND ON UPSTREAM SIDE ONLY WHERE THE DITCH HAS A CONTINUOUS DOWN GRADE PAST THE CATCH BASIN. SIDE INLETS SHALL NOT BE USED WITHIN THE CLEAR ZONE. THE FLOW LINE SHOULD BE 4" TO 6" BELOW THE NORMAL ELEVATION OF THE DITCH FLOW LINE, RETURNING TO NORMAL WITHIN 10' TO 15' OF THE BASIN.

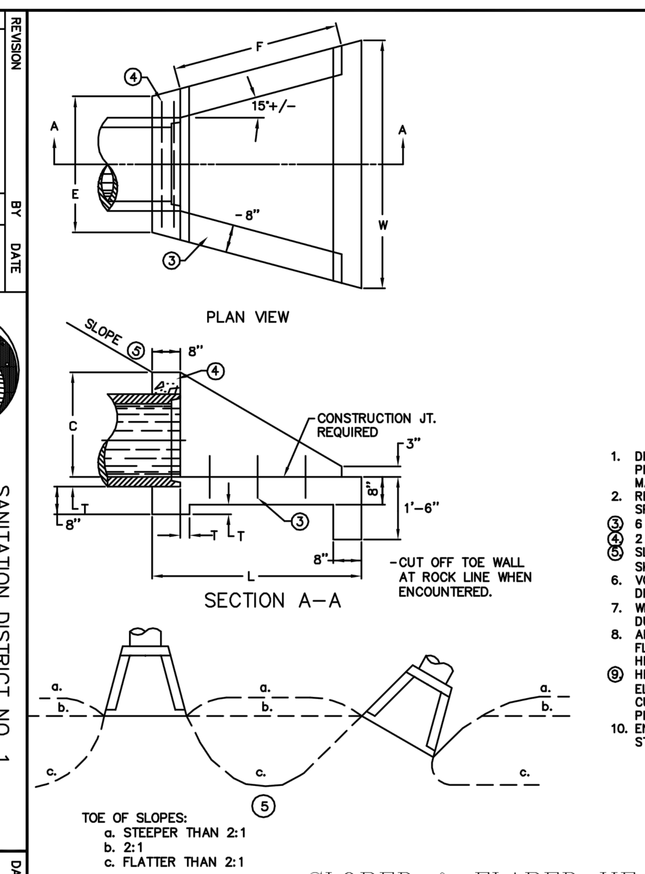
STANDARD YARD DRAIN
(12"–21" OUTLET PIPE)
(STM–07)
N.T.S.

(REFERENCE –ODOT CB 1.1 {2–2A} AND KENTON COUNTY SUB. DETAIL C–22 {2–2–S})

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578–7460
Fax: (859) 331–2436

DATE: MAY 2010
STANDARD DRAWING NO: STM–07

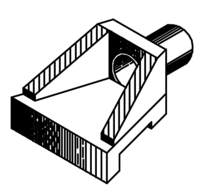
1 / C003



PIPE		DIMENSIONS						CLASS A CONC	REINF STEEL
DIA. OR EQUIV. DIA.	SHAPE ⑨	C	E	F	L	W	T	C. Y.	LBS.
12"	◯	1'–9"	2'–6"	2'–3"	3'–6"	4'–0"	2"	0.58	7
15"	◯	2'–0"	2'–9"	2'–9"	4'–0"	4'–9"	2 1/4"	0.75	
	arch	1'–9"	3'–0"	2'–6"	3'–6"	4'–9"		0.68	8
18"	◯	2'–3"	3'–0"	3'–6"	4'–6"	5'–3"	2 1/2"	0.93	
	arch / ellipse	2'–0"	3'–6"	3'–0"	4'–0"	5'–6"	2 3/4"	0.89	
21"	◯	2'–6"	3'–3"	4'–0"	5'–0"	6'–0"		1.14	
	arch	2'–3"	3'–0"	3'–6"	4'–6"	6'–0"		1.07	9
24"	◯	2'–9"	3'–6"	4'–6"	5'–6"	6'–6"	3"	1.35	8
	arch / ellipse	2'–6"	4'–0"	4'–0"	5'–0"	6'–9"	3 1/4"	1.30	9
27"	◯	3'–0"	3'–9"	5'–0"	6'–0"	7'–0"		1.57	
	ellipse	2'–9"	4'–6"	4'–3"	5'–3"	7'–3"	3 1/2"	1.51	10

NOTES

1. DIMENSIONS AND QUANTITIES ARE BASED ON CONCRETE PIPE AND WILL VARY INSIGNIFICANTLY FOR ALTERNATE PIPE MATERIALS.
2. REINFORCING STEEL : MINIMUM GRADE 40, BARS EVENLY SPACED.
③ 6 – NO. 4 x 1'–0" DOWEL BARS.
④ 2 – NO. 4 x (E DIMENSION MINUS 4").
⑤ SLOPES SHALL BE WARPED TO FIT HEADWALL WHEN PIPE IS SKEWED AND/OR NORMAL SLOPE VARIES FROM 2:1.
6. VOLUME DISPLACED BY PIPE COMPUTED USING INSIDE DIAMETER OF PIPE.
7. WING ANGLES AND/OR DIMENSIONS MAY BE ALTERED DURING CONSTRUCTION TO ACCOMMODATE FLOW OF WATER.
8. APRON BETWEEN WINGS SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF PIPE. FRONT FACE OF HEADWALL SHALL REMAIN VERTICAL.
⑨ HEADWALLS ARE FOR CIRCULAR, ARCH, AND HORIZONTAL ELLIPTICAL 12"– 27" EQUIVALENT PIPE SIZES. SEE CURRENT KDOT STD. DWG. RDI–016, FOR NON–CIRCULAR PIPE EQUIVALENT SIZES.
10. ENCLOSURE GRATE SHALL BE INSTALLED PER DETAIL STM–19 FOR PIPE SIZES 24 INCHES DIAMETER AND UNDER.



ISOMETRIC VIEW

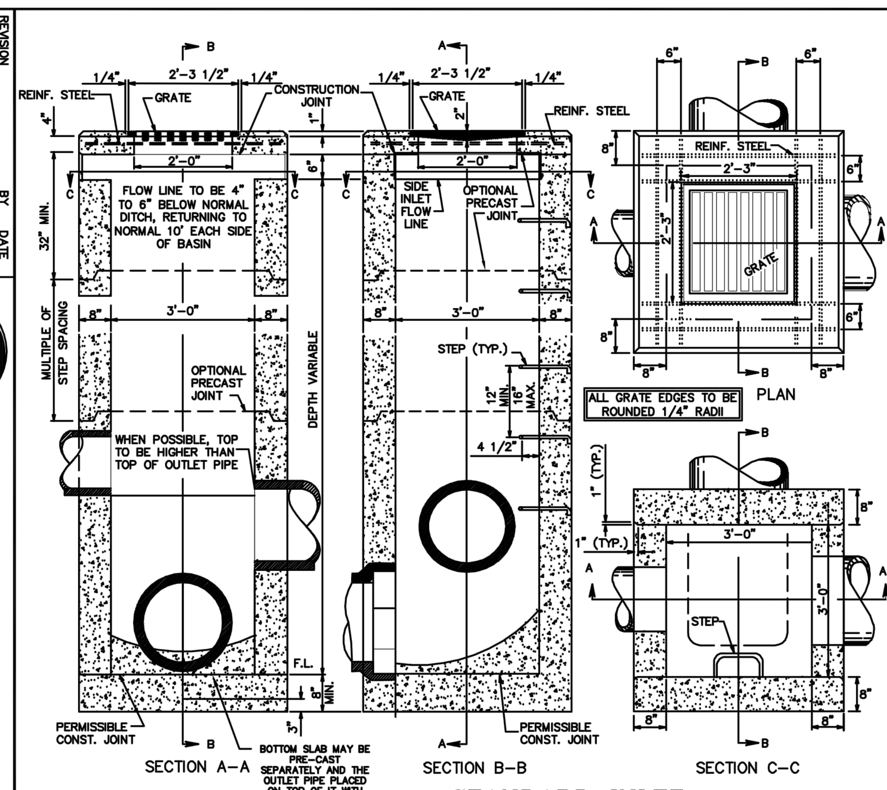
TOE OF SLOPES:
a. STEEPER THAN 2:1
b. 2:1
c. FLATTER THAN 2:1

SLOPED & FLARED HEADWALLS (12"–27" PIPE)
(STM–16)
N.T.S.
(REFERENCE KYTC STANDARD DRAWING RDH–020)

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578–7460
Fax: (859) 331–2436

DATE: MAY 2010
STANDARD DRAWING NO: STM–16

4 / C003



– NOTES –

GRATES:

GRATES SHALL BE NEENAH NO. R–4859–C OR EAST JORDAN NO. 5110 TYPE M2 OR APPROVED EQUALS.

WALLS: CAST–IN–PLACE WALLS SHALL HAVE A NOMINAL THICKNESS OF 8". PRECAST WALLS SHALL HAVE A MINIMUM THICKNESS OF 6" AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE. CONCRETE SHALL MEET REQUIREMENTS OF SD1'S SPECIFICATIONS, SECTION 02630, PARAGRAPH 3.1.1.

REINFORCEMENT: REINFORCING IN THE TOP IS TO BE #4 BARS SPACED AT 6" CENTER TO CENTER. USE EIGHT BARS.

INLETS OVER 12 FEET IN DEPTH: SHALL BE PRECAST OR CAST–IN PLACE CONCRETE; REINFORCED WITH #4 BARS ON 12" CENTERS BOTH VERTICALLY AND HORIZONTALLY WITH 2" CLEARANCE FROM INSIDE WALL FACE.

PRECAST BASE: IF A PRECAST BASE IS USED, IT SHALL BE SET DEEP ENOUGH SO THAT THE TOP CAN BE PLACED ON THE BASE TO PROVIDE THE GRATE ELEVATION SPECIFIED IN THE PLANS. GRADE ADJUSTMENTS SHALL BE MADE PER SD1'S SPECIFICATION SECTION 02630, SECTION 3.2.4 AND 3.2.5. CONCRETE SHALL MEET REQUIREMENTS OF SD1'S SPECIFICATIONS, SECTION 02630, PARAGRAPH 3.1.1.

LOCATION AND ELEVATION: WHEN GIVEN ON THE PLANS, THE LOCATION AND THE ELEVATION ARE AT THE TOP CENTER OF THE GRATE. WHEN SIDE OPENINGS ARE PROVIDED, THE ELEVATION SHALL BE AT THE FLOW LINE OF THE SIDE INLET.

MINIMUM DEPTH: THE MINIMUM DEPTH SHALL BE THE OUTSIDE DIAMETER (O.D.) OF THE OUTLET PIPE PLUS 7".

OPENINGS: PIPE OPENINGS SHALL BE THE O.D. OF THE PIPE BEING SUPPLIED PLUS 3" WHEN PREFABRICATED OR FIELD CUT. THE INTERSTITIAL SPACE SHALL BE FILLED WITH GROUT.

SIDE INLETS: SHALL BE PROVIDED ONLY WHEN SPECIFIED ON THE PLANS.

STEPS: STEPS SHALL BE PROVIDED WHERE THE DEPTH EXCEEDS 4' AND SHALL MEET THE REQUIREMENTS OF SD1'S SPECIFICATIONS, SECTION 02630, PARAGRAPH 3.2.2.

BENCHING: BENCHING SHALL BE REQUIRED IN ALL STRUCTURES AND SHALL MEET THE REQUIREMENTS OF SECTION 02630, PARAGRAPH 3.2.3, OF SD1's STANDARD SPECIFICATIONS

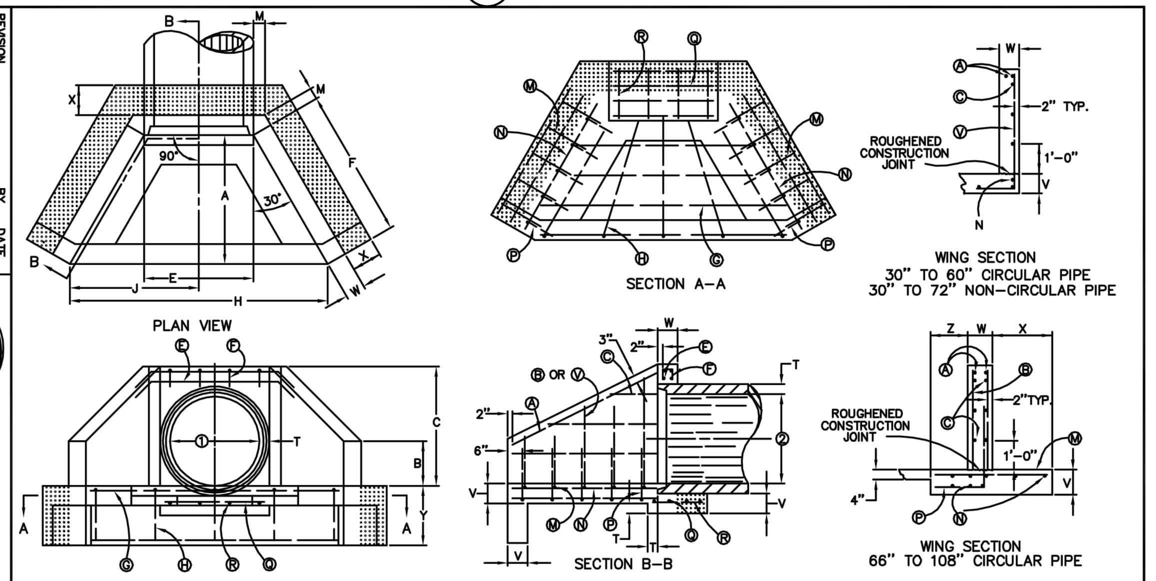
KNOCKOUT PANELS: IF STRUCTURES WITH KNOCK OUT PANELS ARE USED AT DEPTHS GREATER THAN 6' STRUCTURAL CALCULATIONS MUST BE SUPPLIED

STANDARD INLET
(12" – 33" OUTLET PIPE)
(STM–08)
N.T.S.
(REFERENCE –ODOT CB 1.2 – {2–3})

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578–7460
Fax: (859) 331–2436

DATE: AUG 2009
STANDARD DRAWING NO: STM–08

2 / C003



–– NOTES ––

1. DIAMETER OF CIRCULAR PIPE OR SPAN OF NON–CIRCULAR PIPE.
2. DIAMETER OF CIRCULAR PIPE OR RISE OF NON–CIRCULAR PIPE.
3. (hatch) APPLIES TO 66" DIAMETER AND GREATER (CIRCULAR PIPE).
4. SEE DETAILS 216–B AND 216–C FOR DIMENSIONS, QUANTITIES, AND BILL OF REINFORCEMENT.
5. DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
6. ENCIRCLED LETTERS, ◯ ,INDICATE STEEL BAR LOCATIONS.
7. BARS B , C , G , P , M , V ARE SPACED 1'–0" O.C. ALL OTHER BARS SHALL BE EVENLY SPACED.
8. BARS B AND V ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE END OF EACH WING.
9. BARS C ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
10. HEADWALLS LOCATED AT EDGE OF SHOULDER SHALL BE PARALLEL TO CENTERLINE OF THE ROAD.
11. APRON BETWEEN WINGS SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF PIPE. FRONT FACE OF HEADWALL AND ENDS OF WINGS SHALL REMAIN VERTICAL.

SAFETY GUARDS AND RAILINGS

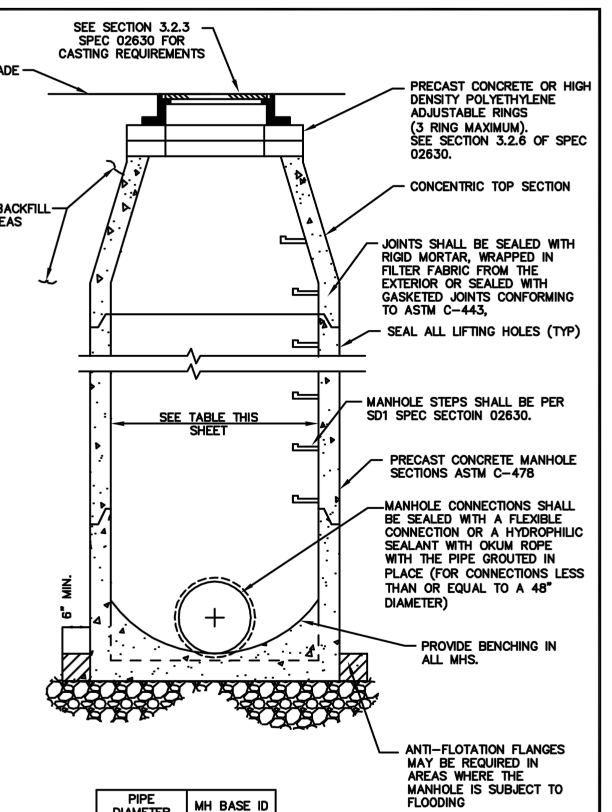
SAFETY GUARDS AND RAILINGS SHALL BE PROVIDED ALONG THE TOP AND SLOPED/WINGED SIDE WALLS ON ALL HEADWALL INLET AND OUTLET STRUCTURES OR OTHER CULVERTS OR BRIDGE STRUCTURES HAVING A VERTICAL DROP OF FORTY EIGHT (48) INCHES OR GREATER. SUCH GUARDS OR RAILINGS SHALL BE AT LEAST FORTY TWO (42) INCHES IN HEIGHT MEASURED VERTICALLY ABOVE THE WALLS. OPENINGS IN GUARDS SHALL HAVE BALUSTERS OR ORNAMENTAL PATTERNS THAT DO NOT PROVIDE OR CREATE A LADDER EFFECT SUCH THAT A SPHERE WITH A DIAMETER OF FOUR (4) INCHES CANNOT PASS THROUGH ANY OPENING, EXCEPT FOR THE TOP EIGHT (8) INCHES. GUARDS AND RAILINGS AND ATTACHMENTS SHALL BE MADE OF MATERIALS THAT ARE WEATHER RESISTANT AND ULTRAVIOLET (UV) LIGHT RESISTANT ADEQUATE IN STRENGTH TO RESIST UNIFORM, CONCENTRATED AND IMPACT LOADS IN ACCORD WITH THE APPLICABLE SECTIONS OF THE KENTUCKY BUILDING CODE, LATEST VERSION. GUARDS AND RAILINGS CONSTRUCTED OF WOOD SHALL BE PROHIBITED. OTHER TYPES OF LANDSCAPING BUFFERS SUCH AS TREES, BUSHES OR SHRUBS MAY SUPPLEMENT, BUT NOT REPLACE GUARDS AND RAILINGS FOR SAFETY (REF. KENTON CO SUB REGS ARTICLE V, SECTION B).

HEADWALLS 0° SKEW (30" – 108" CIRCULAR PIPE)
(STM–17.1)
N.T.S.
(REFERENCE KYTC STANDARD DRAWING RDH–11, KENTON COUNTY SUBDIVISION REGULATIONS)

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578–7460
Fax: (859) 331–2436

DATE: MAY 2010
STANDARD DRAWING NO: STM–17.1

3 / C003



NOTES:

1. PRECAST MANHOLE BASE SHALL NOT BE USED IF THE GRADE OF THE INFLUENT OR EFFLUENT CONDUIT EXCEEDS 10%, UNLESS THE SEAL BETWEEN THE PRECAST MANHOLE BASE AND INFLUENT AND/OR EFFLUENT LINES IS CAST IN A SKEW TO ACCEPT LARGER GRADES. IN NO CASE SHALL THE GRADE OF THE INFLUENT OR EFFLUENT CONDUIT EXCEED 26% WITHOUT THE USE OF A FITTING OUTSIDE THE MANHOLE. SEE SPECIFICATION 02606 FOR INFORMATION.
2. ALL CONCRETE SHALL BE 4000 PSI AIR ENTRAINED.
3. JOINTS BETWEEN PRECAST MANHOLE SECTIONS SHALL BE SEALED AS DEFINED IN PART 3.2.4 OF SD1'S SPECIFICATIONS, SECTION 02630: A SINGLE, CONTINUES RUBBER O–RING GASKET, A FLEXIBLE BUTYL RUBBER SEALANT (CONSEAL), "KENT–SEAL NO. 2", "RUB'R–NEK", OR "E–Z STIK".
4. THE SEAL BETWEEN PRECAST MANHOLE BASE AND INFLUENT AND/OR EFFLUENT CONDUITS SHALL BE A FLEXIBLE CONNECTION, "A–LOK", "KOR–N–SEAL", "DURA–SEAL" OR AN APPROVED EQUAL FOR PIPES LESS THAN OR EQUAL TO 48 INCHES IN DIAMETER. FOR CONDUITS LARGER THAN 48 INCHES IN DIAMETER, A FLEXIBLE CONNECTION OR HYDROPHILIC SEALANT AND OKAUM ROPE WITH THE PIPE GROUTED IN PLACE MAY BE USED.
5. THE PRECAST BASE SHALL HAVE THE THE FLOOR AND SIDE WALL CAST AS ONE UNIT; IF THE FLOW LINE (CHANNEL) AND BENCHES ARE NOT CAST AS A PART OF FLOOR AND SIDE WALL, THEY SHALL BE CAST IN PLACE
6. LIFT HOLES IN PRECAST MANHOLE BASE TO BE SEALED WITH HYDRAULIC CEMENT.
7. PRECAST MANHOLES SHALL BE INSTALLED PER SECTION 02606.
8. BENCHING SHALL BE SHAPED TO MAINTAIN A SMOOTH TRANSITION OF FLOW FOR PIPE ANGLES BETWEEN 90 AND 180 DEGREES, AS REFERENCED TO THE DOWNSTREAM FLOWLINE. NO ANGLES LESS THAN 90 DEGREES WILL BE ALLOWED BETWEEN INCOMING AND OUTGOING PIPES IN MHS.
9. ALL MANHOLES SHALL FOLLOW THE REQUIREMENTS OF SECTION 02630 OF SD1'S TECHNICAL SPECIFICATIONS.

PIPE DIAMETER	MH BASE ID
12" THRU 21"	48"
24" THRU 36"	60"
42" & 48"	72"
60"	90"
72"	108"

STANDARD MANHOLE
N.T.S.

REVISION	BY	DATE

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578–7460
Fax: (859) 331–2436

DATE: MAY 2010
STANDARD DRAWING NO: STM–13

5 / C003

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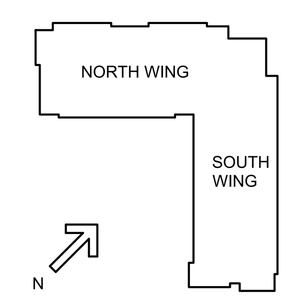

#	DATE	CHANGE DESCRIPTION
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6	1-30-2020	KENTUCKY PERMIT SET

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DRAWING TITLE:
STORMWATER UTILTY STANDARD DRAWINGS

JANUARY 30, 2020
DRAWN BY: JS | CHECKED BY: PSW
#18237

STATE OF KENTUCKY PATRICK S. WARNEMENT 31221 LICENSED PROFESSIONAL ENGINEER

C003

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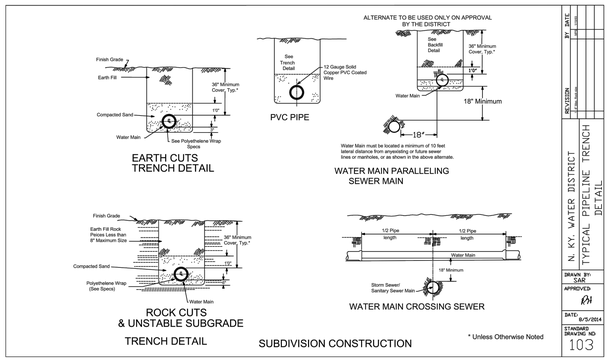
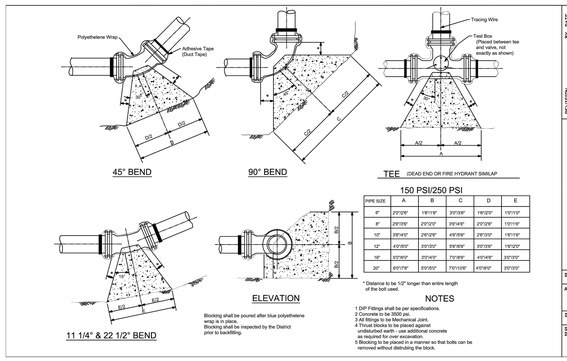


N. KY. WATER DISTRICT
TYPICAL PIPELINE TRENCH DETAIL

DRAWN BY: SAR
APPROVED:
DATE: 8/5/2014
STANDARD DRAWING NO. 103

1 C004

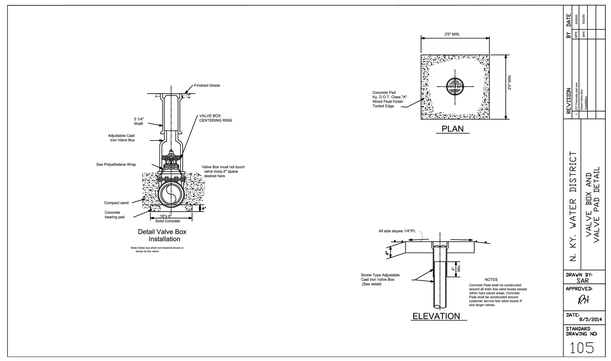


PIPE SIZE	A	B	C	D	E
6"	23"/23"	19"/19"	33"/39"	18"/25"	17"/17"
8"	26"/26"	23"/23"	39"/49"	23"/25"	17"/17"
10"	28"/40"	26"/28"	49"/69"	26"/35"	18"/18"
12"	43"/63"	33"/35"	69"/89"	35"/35"	18"/25"
14"	53"/83"	35"/40"	70"/99"	41"/49"	33"/33"
20"	85"/178"	55"/55"	70"/139"	41"/49"	33"/33"

N. KY. WATER DISTRICT
CONCRETE THRUST BLOCK DETAIL

DRAWN BY: SAR
APPROVED:
DATE: 8/5/2014
STANDARD DRAWING NO. 104

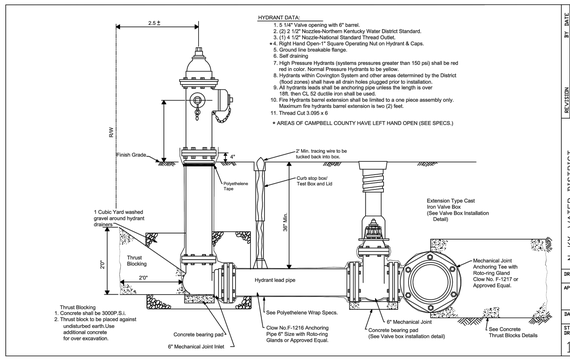
2 C004



N. KY. WATER DISTRICT
VALVE BOX AND VALVE PAD DETAIL

DRAWN BY: SAR
APPROVED:
DATE: 8/5/2014
STANDARD DRAWING NO. 105

3 C004



N. KY. WATER DISTRICT
HYDRANT ASSEMBLY

DRAWN BY: SAR
APPROVED:
DATE: 8/5/2014
STANDARD DRAWING NO. 109

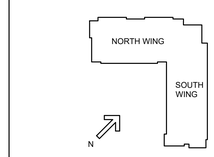
4 C004

Northern Kentucky Water District

2014

Standard Specifications & Drawings for the Installation of Meters Pits

STATE OF KENTUCKY



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DRAWING TITLE:
WATER UTILITY STANDARD DRAWINGS

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED
PROFESSIONAL ENGINEER

JANUARY 30, 2020
DRAWN BY: JS | CHECKED BY: PSW
#18237

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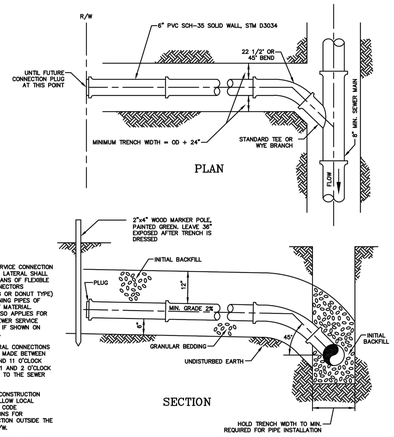

NOTE:

1. SEWER SERVICE CONNECTION TO SEWER LATERAL SHALL BE BY MEANS OF FLEXIBLE PIPE CONNECTORS (COUPLING OR DONUT TYPE) WHEN JOINING PIPES OF DIFFERENT MATERIAL. DETAIL ALSO APPLIES FOR ALL 4" SEWER SERVICE LATERALS IF SHOWN ON DRAWINGS.
2. ALL LATERAL CONNECTIONS SHALL BE MADE BETWEEN THE 10 AND 11 O'CLOCK AND THE 1 AND 2 O'CLOCK POSITIONS TO THE SEWER MAIN.
3. LATERAL CONSTRUCTION SHALL FOLLOW LOCAL PLUMBING CODE REGULATIONS FOR CONSTRUCTION OUTSIDE THE PUBLIC R/W.
4. LATERAL INSTALLATIONS SHALL FOLLOW ALL BEDDING AND BACKFILL REQUIREMENTS IN SD1 STANDARD SPECIFICATIONS, SECTION 02220.

SEWER LATERAL INSTALLATION

N.T.S.

REVISION	BY	DATE

SANITATION DISTRICT NO. 1
1045 Eaton Drive
FT. Wright, Kentucky 41017
Ph: (859) 578-7460
Fax: (859) 331-2436

DATE: SEPTEMBER 2018

STANDARD DRAWING NO: 120

1
C005

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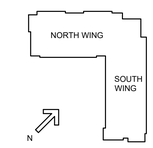

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SANITARY STANDARD DRAWINGS

JANUARY 30, 2020

DRAWN BY: JS | CHECKED BY: PSW

#18237

STATE OF KENTUCKY
PATRICK S. WARNEMENT
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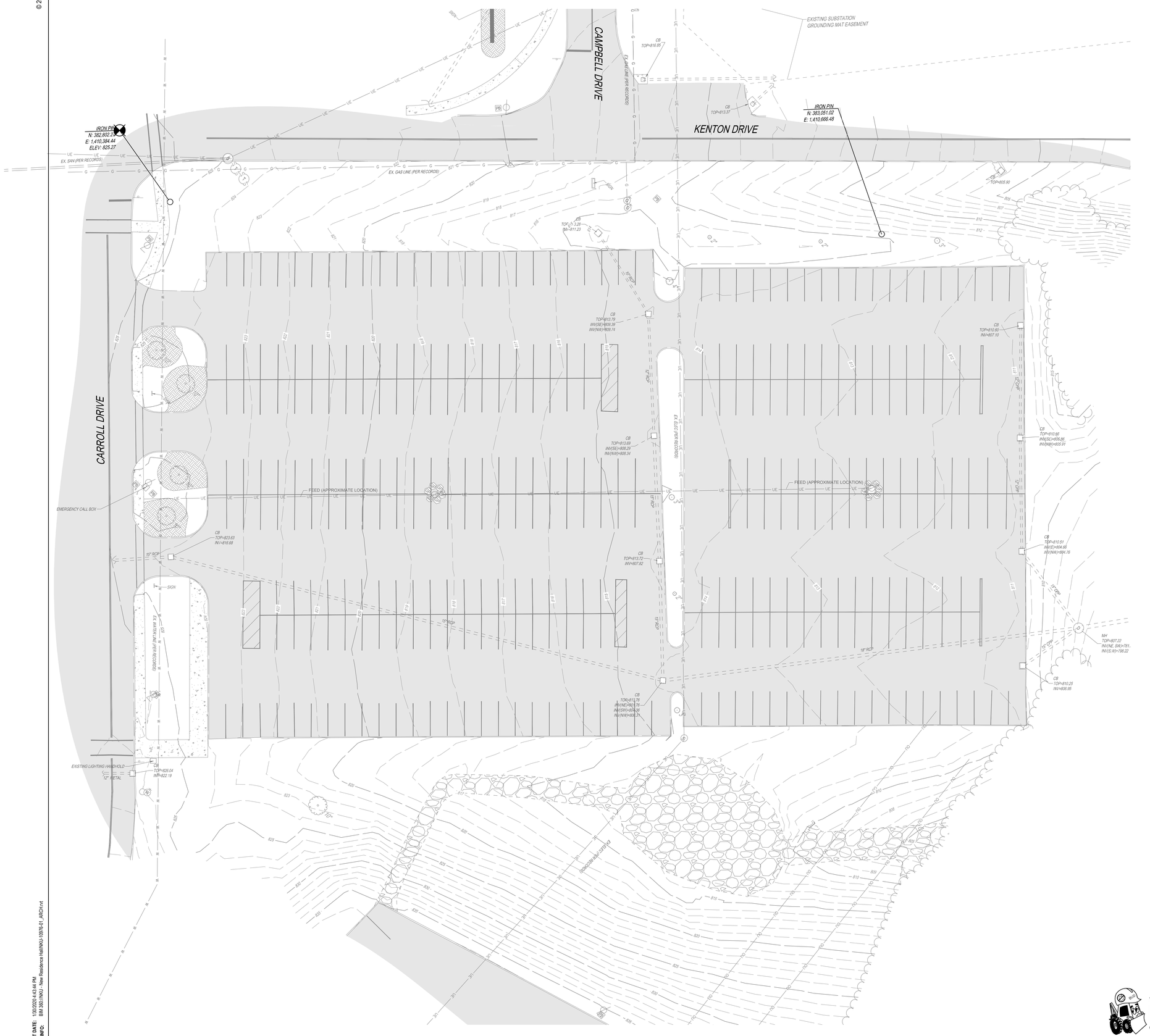

LEGEND

- BENCHMARK
- IRON PIN FOUND (SIZE SHOWN HEREON)
- 5/8" IRON PIN SET(WITH CAP STAMPED HABEDANK KY 4041
- CONCRETE MONUMENT FOUND
- SOIL BORING
- BASKET BALL HOOP
- STUMP
- DOUBLE POST SIGN
- UTILITY POLE
- GUY WIRE
- A/C UNIT
- ELECTRIC BOX
- LIGHT POLE
- ELECTRIC MANHOLE
- PULL BOX
- TELEPHONE MANHOLE
- GAS VALVE
- GAS METER
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- IRRIGATION CONTROL VALVE
- DOWNSPOUT
- CATCH BASIN
- INLET
- STORM MANHOLE
- YARD DRAIN
- SANITARY MANHOLE
- CLEAN OUT
- TRAFFIC SIGNAL POLE
- X — FENCE LINE
- TREE LINE
- UE — UNDERGROUND ELECTRIC
- OU — OVERHEAD UTILITIES
- G — GAS LINE
- W — WATERLINE
- SANITARY SEWER
- STORM SEWER
- BUSH
- HARDWOOD TREE
- SOFTWOOD TREE
- ASPHALT
- CONCRETE
- GRAVEL
- LANDSCAPE

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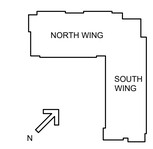

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DRAWING TITLE:

EXISTING CONDITIONS

JANUARY 30, 2020

DRAWN BY: JS CHECKED BY: PSW

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
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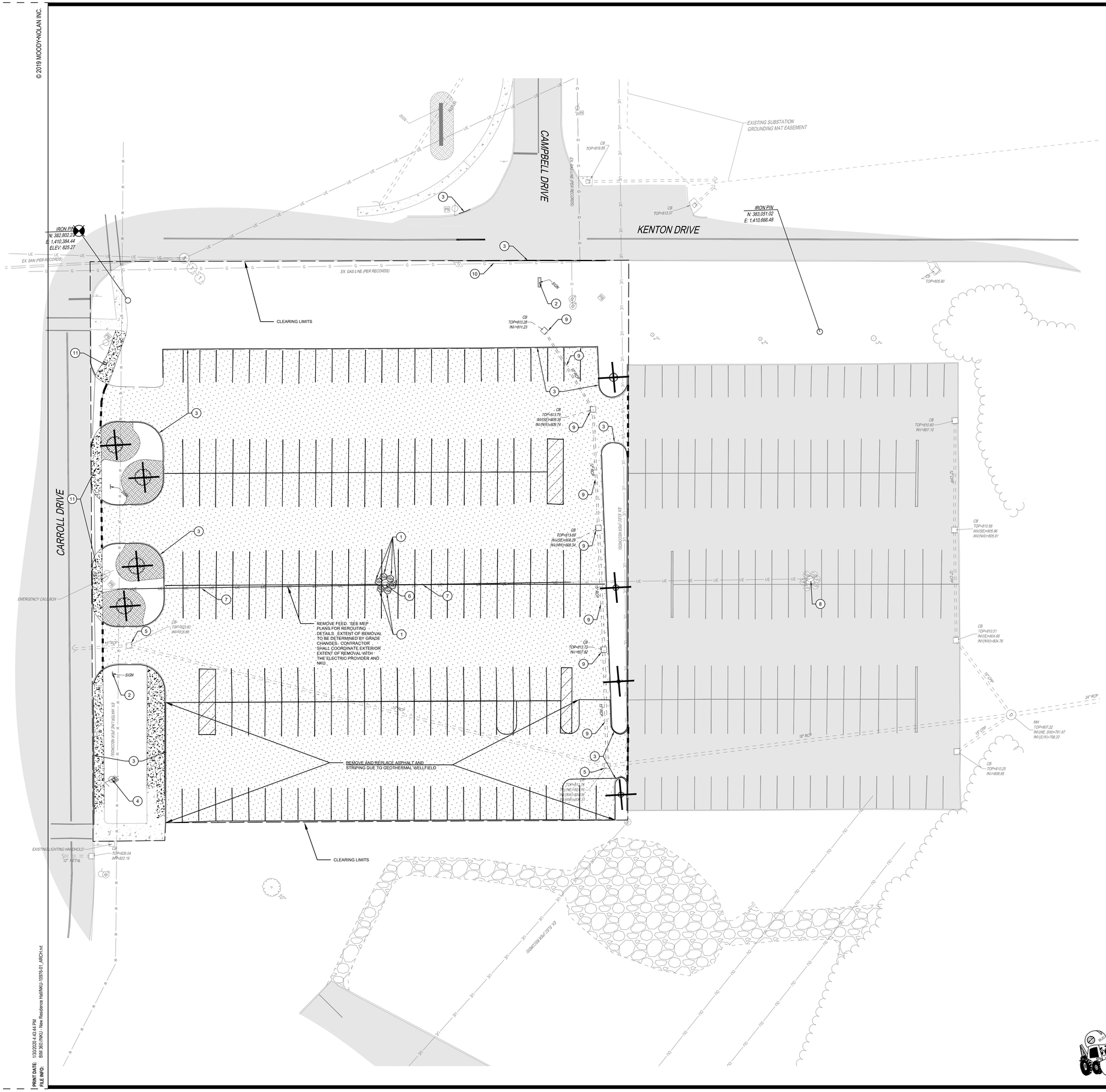

DEMOLITION KEY

- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING SIDEWALK
- REMOVE EXISTING LANDSCAPING
- SAWCUT PAVEMENT/CONCRETE EDGE. WHERE PROPOSED ASPHALT PAVEMENT IS TO MATCH EX. ASPHALT PAVEMENT, SAWCUT CRACKED OR DAMAGED EX. PAVEMENT IN NEAT, STRAIGHT LINES TO CREATE A CLEAN BUTT JOINT AND REMOVE DAMAGED PAVEMENT. COAT EDGE OF EX. PAVEMENT WITH ASPHALT PRIOR TO PLACING AND COVER JOINT WITH SEALANT.
- EXISTING CURB TO BE REMOVED
- EXISTING CURB TO REMAIN

DEMOLITION PLAN KEY NOTES

1. REMOVE EXISTING BOLLARDS.
2. REMOVE SIGN. CONTRACTOR SHALL COORDINATE RELOCATION WITH NKU AND ARCHITECT.
3. REMOVE CURB & GUTTER.
4. REMOVE LIGHT POLE AND PULL BOX. CONTRACTOR SHALL COORDINATE RELOCATION WITH NKU AND MEP ENGINEER
5. EXISTING CATCH BASIN TO REMAIN. RIM ELEVATIONS TO BE ADJUSTED PER C400.
6. REMOVE ELECTRIC POLE BUT KEEP LIGHT POLE HEAD FIXTURE IN USABLE CONDITION FOR POTENTIAL RELOCATION. CONTRACTOR SHALL COORDINATE THE RELOCATION OF THE EXISTING ELECTRIC FEED WITH DOUGLAS MILLER (859) 572-6504 AND JIMMY McCULLEY (854) 572-7635. THIS ALSO FEEDS THE LIGHT IN THE PARKING AREA TO THE EAST. CONTRACTOR SHALL FIELD LOCATE THIS ELECTRIC LINE PRIOR TO COMMENCING DEMOLITION ACTIVITY.
7. REMOVE/RELOCATE ELECTRIC FEED. COORDINATE WITH NKU ON RELOCATING FEED.
8. CONTRACTOR SHALL MAINTAIN ELECTRIC SERVICE TO THIS POLE THROUGHOUT CONSTRUCTION.
9. CONTRACTOR TO REMOVE EXISTING STORM SEWER AND STRUCTURE.
10. CONTRACTOR SHALL FIELD LOCATE EXISTING GAS PRIOR TO DEMOLITION ACTIVITY AND IDENTIFY IT'S DEPTH AS WELL. CONTRACTOR SHALL COORDINATE WITH DUKE ENERGY THROUGHOUT CONSTRUCTION ON ANY ISSUES PERTAINING TO THIS GAS LINE AND DEMOLITION/GRADING ACTIVITY.
11. EXISTING SIDEWALK TO BE REMOVED AND REPLACED.

DEMOLITION GENERAL NOTES:

1. CONTRACTOR IS TO REMOVE ALL ABANDONED UTILITIES AND BACKFILL/COMPACT EXCAVATION.
2. CONTRACTOR SHALL ARRANGE FOR A SURVEYOR TO STAKE NEW SERVICE LOCATIONS FOR DUKE ENERGY.
3. CONTRACTOR SHALL COORDINATE ALL NECESSARY UTILITY VACATIONS AND CONNECTIONS WITH ALL ASSOCIATED UTILITY COMPANIES.
4. CONTRACTOR TO COORDINATE ANY WORK WITHIN RIGHT-OF-WAY WITH KYTC, CAMPBELL COUNTY, & NORTHERN KENTUCKY UNIVERSITY.
5. CONTRACTOR TO REMOVE, CAP, AND PLUG ALL EXISTING RESIDENTIAL/COMMERCIAL BUILDING UTILITY SERVICES AS NECESSARY. REPORT ANY DISCREPANCIES TO ENGINEER.
6. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES PRIOR TO COMMENCING DEMOLITION AND EXCAVATION ACTIVITY.

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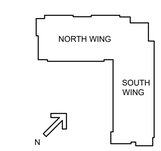

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DRAWING TITLE:

DEMOLITION PLAN

JANUARY 30, 2020

DRAWN BY: JS | CHECKED BY: PSW

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED
PROFESSIONAL ENGINEER

#18237

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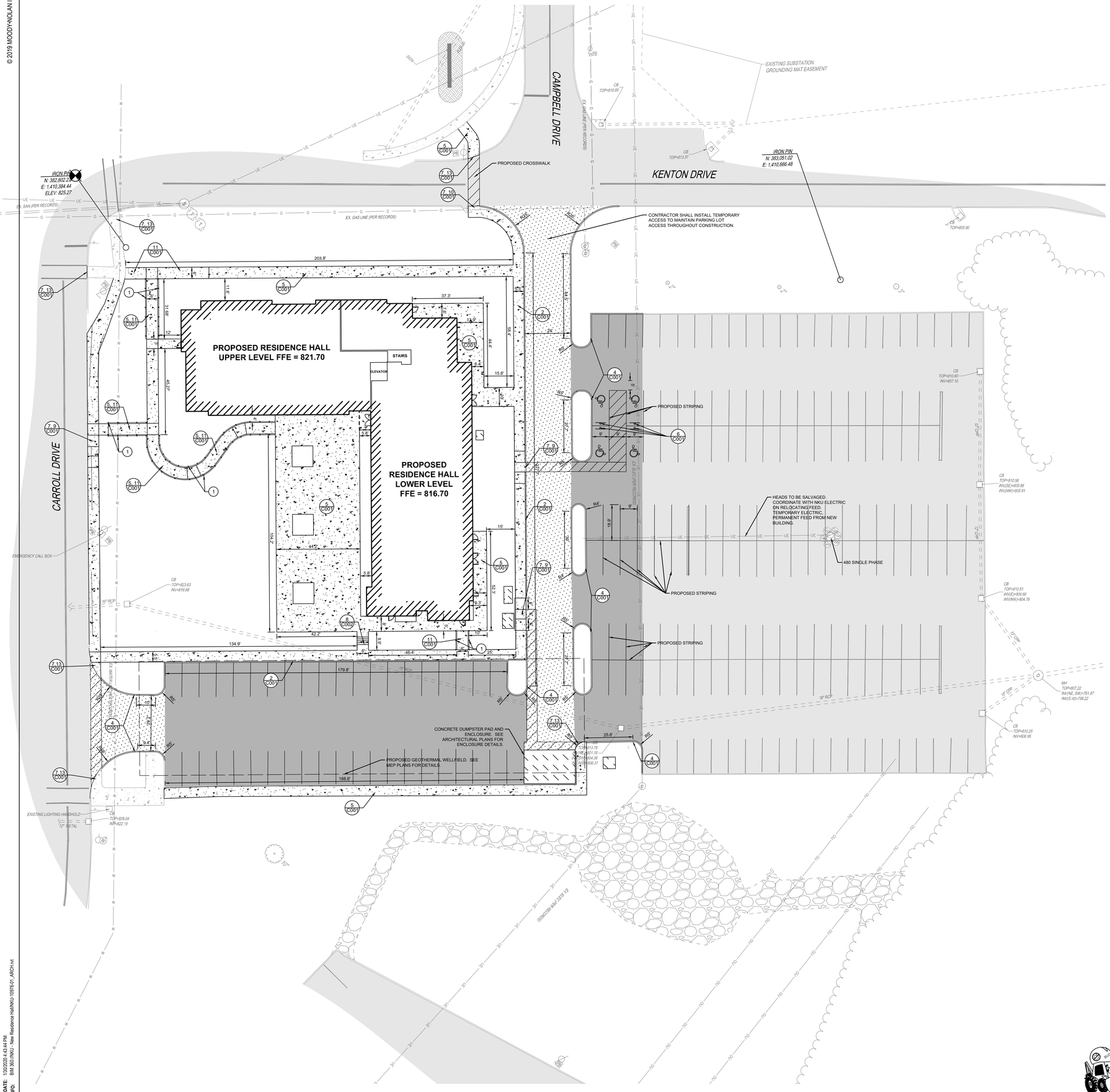

PROPOSED LEGEND

- LIGHT DUTY ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- CONCRETE WALK
- CONCRETE PAD
- SEE DETAIL 4 ON SHEET C101
- SEE DETAIL 7 ON SHEET C101

LOCATION PLAN KEY NOTES

1. PROPOSED HANDRAIL. SEE LANDSCAPE PLAN.

LOCATION NOTES

1. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR BACK OF CURB, UNLESS OTHERWISE NOTED.
2. ALL STANDARD PARKING PLACES ARE 9'0" x 18'0". ALL HANDICAP PARKING PLACES ARE 8'0" x 18'0".
3. ALL RADII ARE 5' AND TO FACE OF CURB UNLESS OTHERWISE NOTED.
4. PARKING LOT STRIPING SHALL BE 4" WIDE WHITE HIGHWAY-TYPE STRIPING APPLIED IN ACCORDANCE WITH THE PLAN.
5. REFER TO LANDSCAPE PLAN FOR PROPOSED LANDSCAPING LOCATION AND DETAILS.
6. LIGHT POLES AND LANDSCAPE LIGHTING ARE SHOWN FOR COORDINATION PURPOSES ONLY. SEE ELECTRICAL/PHOTOMETRIC PLAN FOR DETAILS.
7. STOP BAR AND LANE STRIPING SHALL BE THERMOPLASTIC AND 24" WIDE AND 4" WIDE RESPECTIVELY.
8. SEE C003 FOR STORM STRUCTURE DETAILS.

IMPERVIOUS AREA

EXISTING:	67,522 SF
PROPOSED:	56,425 SF
NET REDUCTION:	11,097 SF

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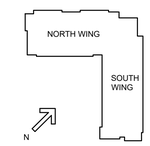

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LOCATION PLAN

JANUARY 30, 2020

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STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED
PROFESSIONAL ENGINEER

#18237

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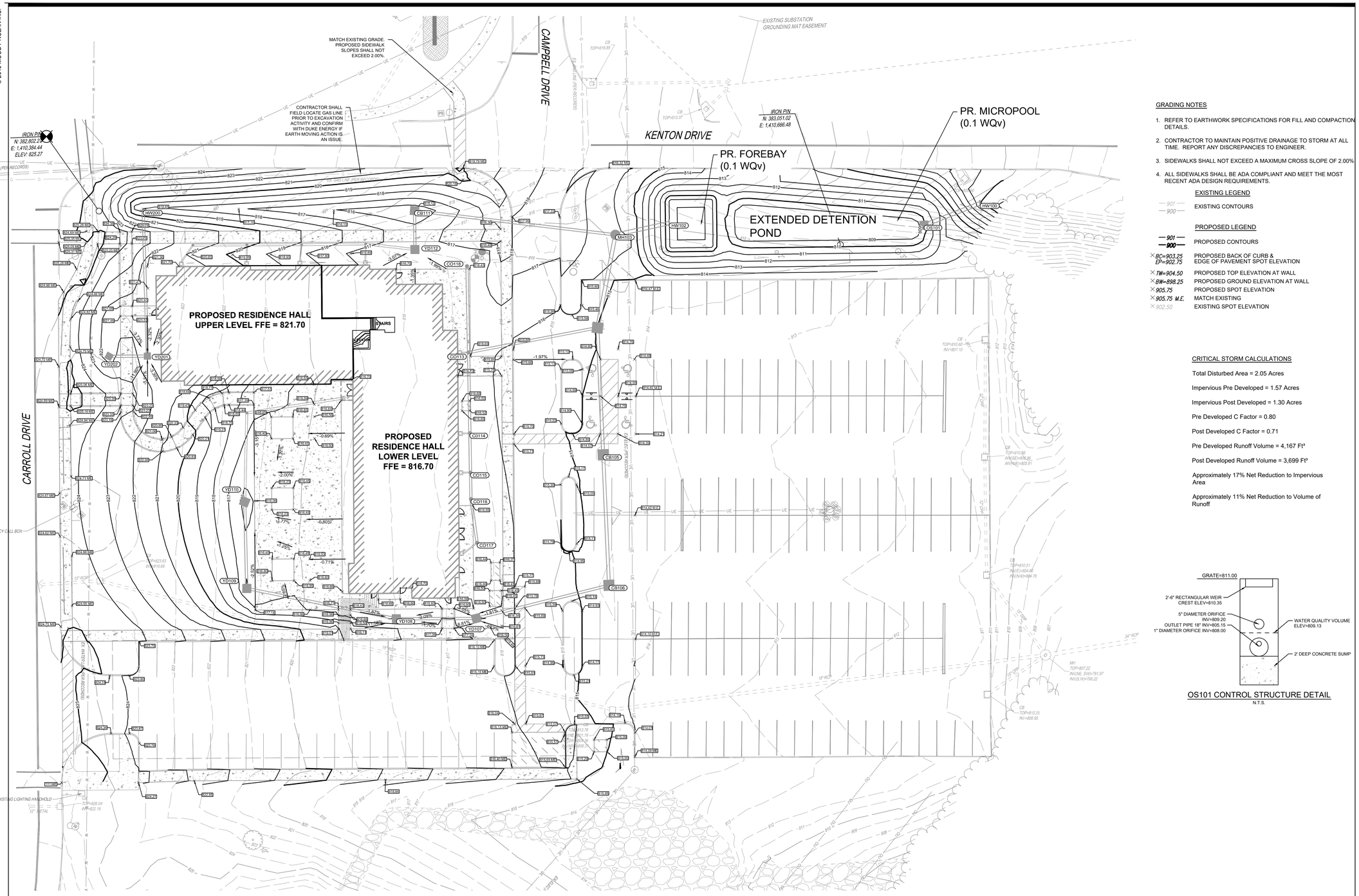

GRADING NOTES

1. REFER TO EARTHWORK SPECIFICATIONS FOR FILL AND COMPACTION DETAILS.
2. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE TO STORM AT ALL TIME. REPORT ANY DISCREPANCIES TO ENGINEER.
3. SIDEWALKS SHALL NOT EXCEED A MAXIMUM CROSS SLOPE OF 2.00%
4. ALL SIDEWALKS SHALL BE ADA COMPLIANT AND MEET THE MOST RECENT ADA DESIGN REQUIREMENTS.

EXISTING LEGEND

901	EXISTING CONTOURS
900	

PROPOSED LEGEND

901	PROPOSED CONTOURS
900	
BC=903.25 EP=902.75	PROPOSED BACK OF CURB & EDGE OF PAVEMENT SPOT ELEVATION
TW=904.50	PROPOSED TOP ELEVATION AT WALL
BW=898.25	PROPOSED GROUND ELEVATION AT WALL
905.75	PROPOSED SPOT ELEVATION
905.75 M.E.	MATCH EXISTING
902.50	EXISTING SPOT ELEVATION

CRITICAL STORM CALCULATIONS

Total Disturbed Area = 2.05 Acres

Impervious Pre Developed = 1.57 Acres

Impervious Post Developed = 1.30 Acres

Pre Developed C Factor = 0.80

Post Developed C Factor = 0.71

Pre Developed Runoff Volume = 4,167 Ft³

Post Developed Runoff Volume = 3,699 Ft³

Approximately 17% Net Reduction to Impervious Area

Approximately 11% Net Reduction to Volume of Runoff

OS101 CONTROL STRUCTURE DETAIL
N.T.S.

																									Design Storm:	25	yr
		Project:	NKU Residence Hall																						Check Storm:	100	yr
		Project Number:	080115.029																						Manning's n:	0.013	
LOCATION			BASIN DATA									PIPE DATA								HGL CHECK							
							Design	Coeff.			Design	Pipe	Pipe	Pipe	US	DS	Mean	Pipe Full	Check	Check	Mean	Friction	Head	TW	HW	Grate
Inlet		Outlet	ΔA	ΣA	ΔTc	ΣTc	i	C	ΔCA	ΣCA	Discharge	Size	Length	Slope	Invert	Invert	Velocity	Capacity	i	Discharge	Velocity	Slope	Loss	Elevation	Elevation	Elevation
			(ac)	(ac)	(min)	(min)	(in/hr)		(ac)	(ac)	(cfs)	(in)	(ft)	(%)	(ft)	(ft)	(ft/sec)	(cfs)	(in/hr)	(cfs)	(ft/sec)	(ft/ft)	(ft)	(ft)	(ft)	(ft)
MH103		HW102	0.00	1.26	2.70	8.70	6.58	0.00	0.00	0.95	6.27	18	26.17	0.53	808.84	808.70	5.00	7.68	7.97	7.58	5.36	0.01	0.21	809.66	809.89	815.00
CB104		MH103	0.18	1.01	2.20	8.20	6.71	0.85	0.15	0.83	5.60	18	48.00	0.58	809.12	808.84	4.08	7.59	8.10	6.76	4.24	0.01	0.24	810.01	810.14	814.98
CB105		CB104	0.11	0.67	1.90	7.90	6.81	0.85	0.09	0.53	3.60	15	64.45	0.51	809.45	809.12	3.22	4.62	8.20	4.33	3.53	0.00	0.29	810.29	810.44	814.50
CB106		CB105	0.10	0.56	1.40	7.40	6.94	0.85	0.08	0.44	3.04	15	66.24	0.51	809.79	809.45	3.13	4.63	8.32	3.65	3.03	0.00	0.22	810.51	810.62	814.37
YD107		CB106	0.02	0.47	1.10	7	7.05	0.85	0.02	0.36	2.50	12	69	0.51	810.14	809.79	3.65	2.53	8.43	2.99	3.81	0.01	0.49	810.61	810.95	815.93
YD108		YD107	0.03	0.45	0.90	7	7.12	0.85	0.02	0.34	2.41	12	41	0.49	810.34	810.14	3.63	2.50	8.49	2.88	3.66	0.00	0.00	810.93	811.13	815.92
YD109		YD108	0.14	0.42	0.40	6	7.26	0.95	0.13	0.32	2.29	12	77	0.50	810.73	810.34	3.49	2.53	8.63	2.72	3.46	0.00	0.11	811.15	811.48	815.90
YD110		YD109	0.28	0.28	0.00	6	7.40	0.66	0.19	0.19	1.37	12	44	0.50	812.25	812.03	2.05	2.52	8.76	1.62	2.07	0.00	0.00	812.93	812.97	815.70
CB111		MH103	0.17	0.25	1.10	7.10	7.03	0.50	0.09	0.12	0.82	12	103.12	0.52	809.38	808.84	1.08	2.58	8.40	0.98	1.25	0.00	0.08	810.22	810.27	815.12
YD112		CB111	0.08	0.08	0.00	6.00	7.40	0.40	0.03	0.03	0.22	12	19.68	0.50	809.48	809.38	0.31	2.52	8.76	0.27	0.34	0.00	0.00	810.29	810.29	816.05
CO113		YD112	0.16	0.16	0.00	6	7.40	0.95	0.15	0.15	1.15	12	66	0.51	809.46	809.12	1.46	2.55	8.76	1.36	1.73	0.00	0.10	810.40	810.46	816.64
YD201		HW200	0.02	0.06	1.90	8	6.81	0.45	0.01	0.03	0.18	12	74	0.50	818.62	818.25	0.28	2.52	8.19	0.21	0.34	0.00	0.00	819.25	819.25	821.16
YD202		YD201	0.04	0.04	0.00	6	7.40	0.45	0.02	0.02	0.13	12	19	0.52	818.72	818.62	0.29	2.56	8.76	0.16	0.34	0.00	0.00	819.25	819.25	821.22

PIPE CHART

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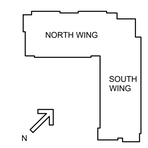

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DRAWING TITLE:

GRADING PLAN

SCALE: 1"=20'

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED
PROFESSIONAL ENGINEER

JANUARY 30, 2020

DRAWN BY: JS | CHECKED BY: PSW

#18237

C400

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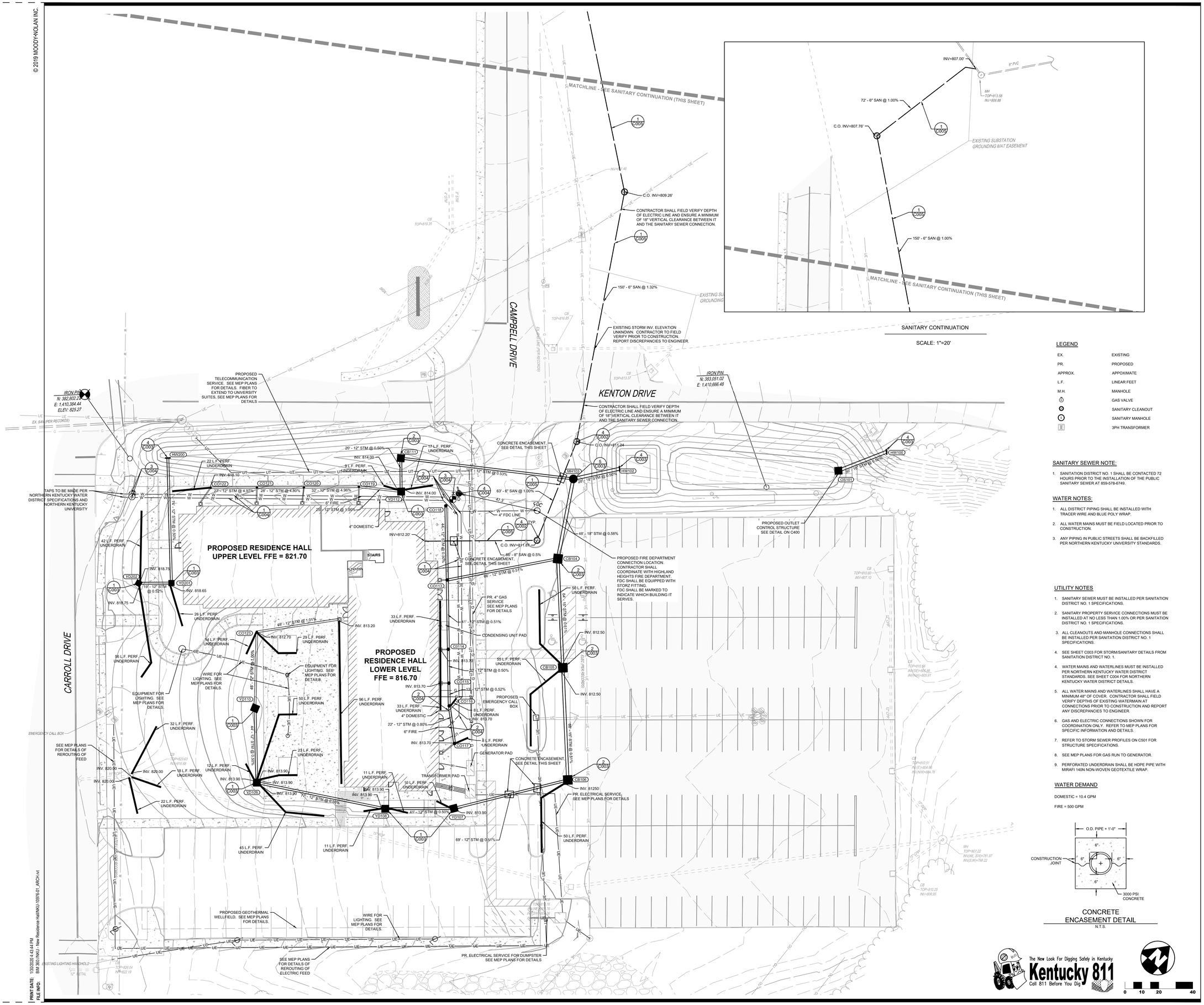

SANITARY CONTINUATION

SCALE: 1"=20'

LEGEND

EX.	EXISTING
PR.	PROPOSED
APPROX.	APPOXIMATE
L.F.	LINEAR FEET
M.H.	MANHOLE
	GAS VALVE
	SANITARY CLEANOUT
	SANITARY MANHOLE
	3PH TRANSFORMER

SANITARY SEWER NOTE:

1. SANITATION DISTRICT NO. 1 SHALL BE CONTACTED 72 HOURS PRIOR TO THE INSTALLATION OF THE PUBLIC SANITARY SEWER AT 859-578-6749.

WATER NOTES:

1. ALL DISTRICT PIPING SHALL BE INSTALLED WITH TRACER WIRE AND BLUE POLY WRAP.
2. ALL WATER MAINS MUST BE FIELD LOCATED PRIOR TO CONSTRUCTION.
3. ANY PIPING IN PUBLIC STREETS SHALL BE BACKFILLED PER NORTHERN KENTUCKY UNIVERSITY STANDARDS.

UTILITY NOTES

1. SANITARY SEWER MUST BE INSTALLED PER SANITATION DISTRICT NO. 1 SPECIFICATIONS.
2. SANITARY PROPERTY SERVICE CONNECTIONS MUST BE INSTALLED AT NO LESS THAN 1.00% OR PER SANITATION DISTRICT NO. 1 SPECIFICATIONS.
3. ALL CLEANOUTS AND MANHOLE CONNECTIONS SHALL BE INSTALLED PER SANITATION DISTRICT NO. 1 SPECIFICATIONS.
4. SEE SHEET C003 FOR STORM/SANITARY DETAILS FROM SANITATION DISTRICT NO. 1.
4. WATER MAINS AND WATERLINES MUST BE INSTALLED PER NORTHERN KENTUCKY WATER DISTRICT STANDARDS. SEE SHEET C004 FOR NORTHERN KENTUCKY WATER DISTRICT DETAILS.
5. ALL WATER MAINS AND WATERLINES SHALL HAVE A MINIMUM 48" OF COVER. CONTRACTOR SHALL FIELD VERIFY DEPTHS OF EXISTING WATERMAIN AT CONNECTIONS PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO ENGINEER.
6. GAS AND ELECTRIC CONNECTIONS SHOWN FOR COORDINATION ONLY. REFER TO MEP PLANS FOR SPECIFIC INFORMATION AND DETAILS.
7. REFER TO STORM SEWER PROFILES ON C501 FOR STRUCTURE SPECIFICATIONS.
8. SEE MEP PLANS FOR GAS RUN TO GENERATOR.
9. PERFORATED UNDERDRAIN SHALL BE HDPE PIPE WITH MIRAFI 140N NON-WOVEN GEOTEXTILE WRAP.

WATER DEMAND

DOMESTIC = 10.4 GPM

FIRE = 500 GPM

CONCRETE ENCASEMENT DETAIL

N.T.S.

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DRAWING TITLE:

UTILITY PLAN

JANUARY 30, 2020

DRAWN BY: JS | CHECKED BY: PSW

#18237

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED
PROFESSIONAL ENGINEER

C500

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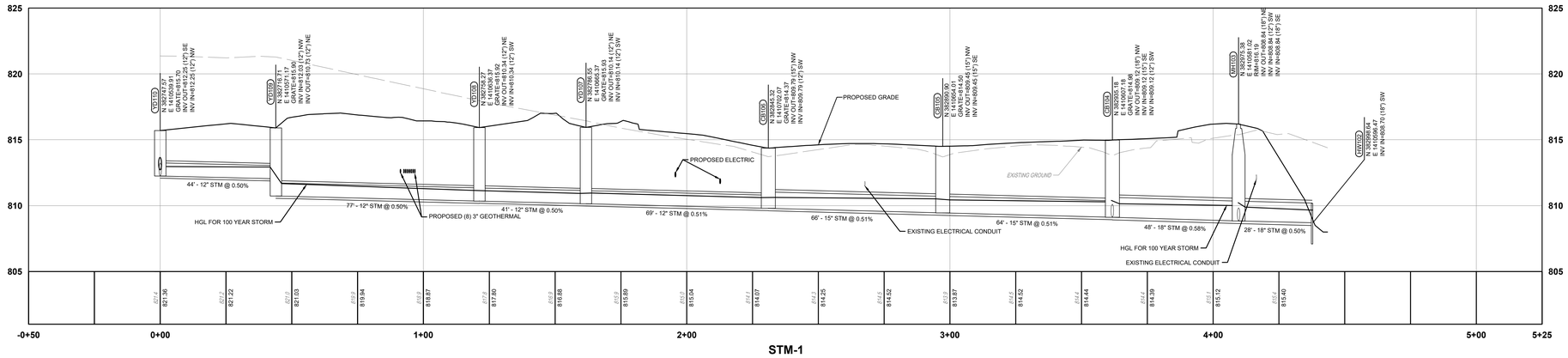
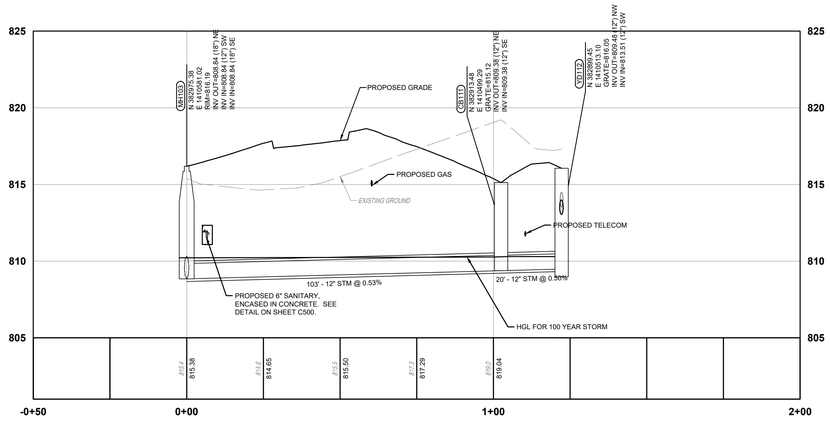


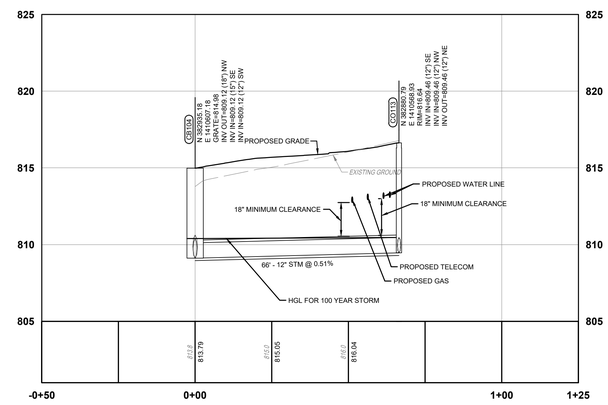
STM-1

SCALE: V: 1" = 4'
H: 1" = 20'



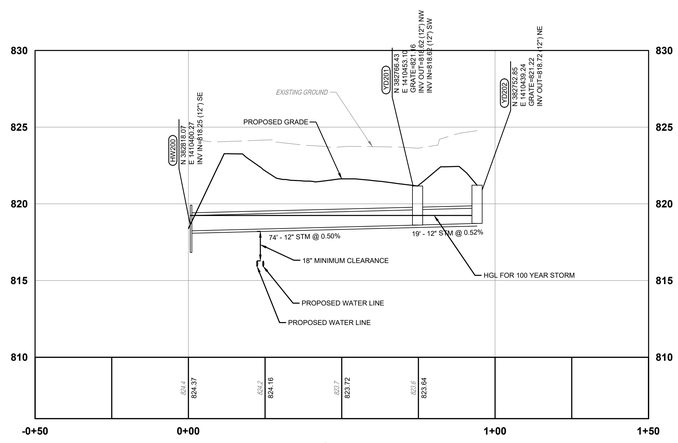
STM-1A

SCALE: V: 1" = 4'
H: 1" = 20'



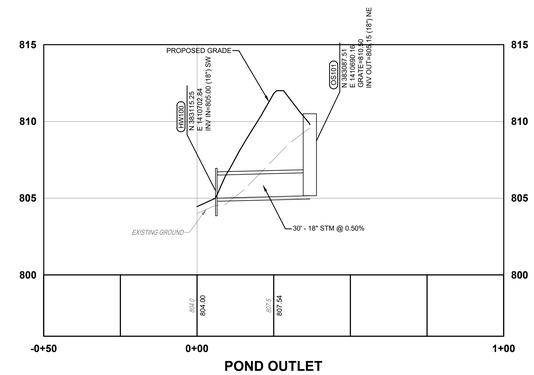
STM-1B

SCALE: V: 1" = 4'
H: 1" = 20'



STM-2

SCALE: V: 1" = 4'
H: 1" = 20'



POND OUTLET

SCALE: V: 1" = 4'
H: 1" = 20'

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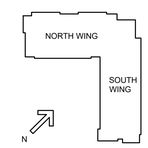

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DRAWING TITLE:
STORM PROFILES

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED PROFESSIONAL ENGINEER

JANUARY 30, 2020

DRAWN BY: JS | CHECKED BY: PSW

#18237

C501

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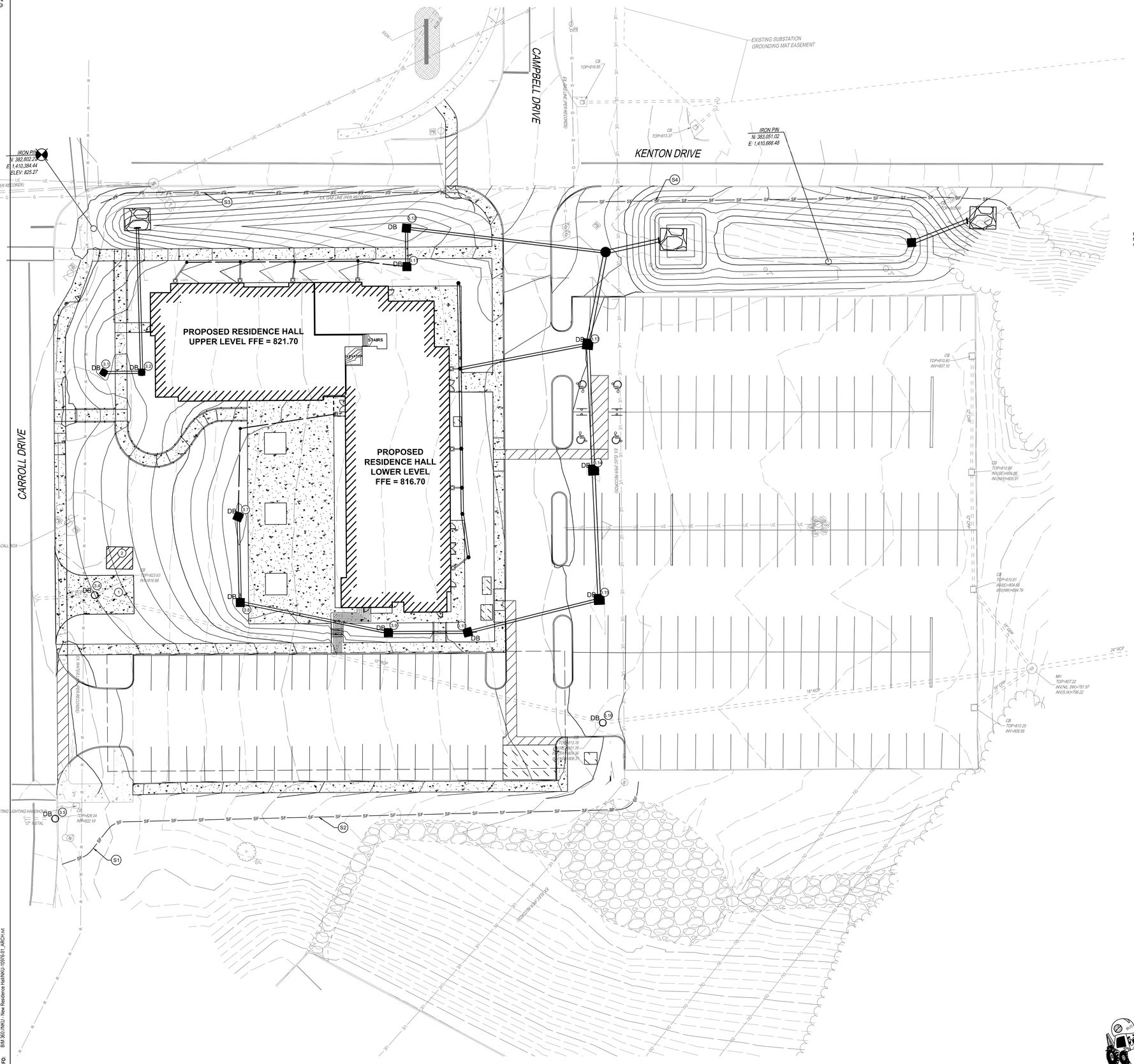

EROSION CONTROL LEGEND

- SF — SILT FENCE (4/C702)
- STABILIZED CONSTRUCTION ENTRANCE (1/C702)
- DB — INLET PROTECTION (3/C702)
- CONCRETE WASHOUT (2/C702)
- ROCK OUTLET PROTECTION (5/C702)

NOTES:
MESSER CONSTRUCTION SHALL BE RESPONSIBLE FOR ALL MAINTENANCE DURING CONSTRUCTION. NKU WILL BE RESPONSIBLE FOR PERMANENT MAINTENANCE.

STORM WATER POLLUTION PREVENTION KEY NOTES

1. CONSTRUCTION ENTRANCE (1/C702)
2. CONCRETE WASHOUT (2/C702)
3.1 CATCH BASIN INSERT (3/C702)
3.2 CATCH BASIN INSERT (3/C702)
3.3 CATCH BASIN INSERT (3/C702)
3.4 CATCH BASIN INSERT (3/C702)
3.5 CATCH BASIN INSERT (3/C702)
3.6 CATCH BASIN INSERT (3/C702)
3.7 CATCH BASIN INSERT (3/C702)
3.8 CATCH BASIN INSERT (3/C702)
3.9 CATCH BASIN INSERT (3/C702)
3.10 CATCH BASIN INSERT (3/C702)
3.11 CATCH BASIN INSERT (3/C702)
3.12 CATCH BASIN INSERT (3/C702)
3.13 CATCH BASIN INSERT (3/C702)
3.14 CATCH BASIN INSERT (3/C702)
3.15 CATCH BASIN INSERT (3/C702)
3.16 CATCH BASIN INSERT (3/C702)
S1 SILT FENCE SEGMENT 1
S2 SILT FENCE SEGMENT 2
S3 SILT FENCE SEGMENT 3
S4 SILT FENCE SEGMENT 4

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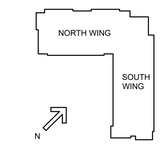

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EROSION CONTROL PLAN

JANUARY 30, 2020

DRAWN BY: JS | CHECKED BY: PSW

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED PROFESSIONAL ENGINEER

#18237

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PROJECT DESCRIPTION
PROPOSED RESIDENCE HALL BUILDING DEVELOPMENT IN INCLUDING PARKING LOTS, LANDSCAPING, AND ASSOCIATED UTILITIES.

PROJECT DATA
TOTAL SITE AREA:	2.05 ACRES
TOTAL DISTURBED AREA:	2.05 ACRES
EXISTING IMPERVIOUS AREA:	1.55 ACRES
PROPOSED IMPERVIOUS AREA:	1.30 ACRES
PERCENTAGE OF CREATED IMPERVIOUS AREA:	-16.13%
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION:	C=0.75
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION*:	C=0.68
PRIOR LAND USE:	SURFACE PARKING LOT
RECEIVING WATER:	UNNAMED TRIBUTARY TO THREE MILE CREEK
ESTIMATED CONSTRUCTIONS DATES:	FEBRUARY 2020 - DECEMBER 2021
SOIL TYPES, DESCRIPTIONS:	EDEN SILTY CLAY LOAM (EdE2) 20-35% SLOPES ERODED, FAYWOOD SILTY CLAY LOAM (FcD) 12-20% SLOPES, NICHOLSON SILT LOAM (NIC) 6-12% SLOPES

GENERAL NOTES
THE CONTRACTOR IS HEREBY ADVISED THAT STRICTER POLLUTION CONTROL STANDARDS AND ENFORCEMENT HAVE BEEN IMPOSED BY THE KENTUCKY DEP. ALSO, MANY PRIVATE CITIZEN ENVIRONMENTAL GROUPS, WHO HAVE BEEN KNOWN TO FILE CIVIL LEGAL ACTIONS, ARE PRESENT IN THE AREA AND OBSERVE ALL CONSTRUCTION OPERATIONS.

THE CONTRACTOR SHALL INFORM ALL SUBCONTRACTORS OF THE REQUIREMENTS AND RESPONSIBILITIES OF THE SWPPP AND SHALL DOCUMENT ALL SUCH NOTIFICATIONS AND/OR DISCUSSIONS. ALL SUBCONTRACTORS SHALL SIGN THE NOI.

THE CONTRACTOR WILL BE REQUIRED TO PARTICIPATE IN SEDIMENT AND EROSION CONTROL INSPECTIONS ON A WEEKLY BASIS AND SIGN AN APPROVED INSPECTION SHEET THAT SHALL BE KEPT ON FILE AT THE JOB SITE.

UNLESS OTHERWISE NOTED, STANDARDS AND SPECIFICATIONS ESTABLISHED IN THE LATEST EDITION OF THE KY "BEST MANAGEMENT PRACTICES FOR CONTROLLING EROSION, SEDIMENT, AND POLLUTANT RUNOFF FROM CONSTRUCTION SITES" SHALL GOVERN THE EROSION AND SEDIMENT CONTROL INSTALLATIONS SPECIFIED ON THIS PLAN.

THIS PROJECT WILL INVOLVE SEVERAL CONSTRUCTION PHASES AND SEQUENCING THROUGHOUT ITS LIFETIME. IT IS VERY IMPORTANT THAT ALL TEMPORARY SEDIMENT AND EROSION CONTROL (S&EC) FIELD METHODS ALONG WITH THIS PLAN, ARE UPDATED TO REFLECT THE ACTUAL FIELD CONDITIONS, CURRENT WEATHER CONDITIONS AND SITE GRADE CHANGES. THE CONTRACTOR, OWNER, ENGINEER OR THE KENTUCKY DEP CAN AND WILL MODIFY THIS PLAN AS NECESSARY.

THE CONTRACTOR WILL VOLUNTARILY SELF REPORT ANY POTENTIAL VIOLATIONS OF THE KENTUCKY KPDES PERMIT TO THE OWNER, ENGINEER AND THE KENTUCKY DEP.

THE CONTRACTOR SHALL REMOVE EXISTING GROUND COVER ONLY AS NECESSARY FOR THE PROJECT PHASE CURRENTLY UNDER CONSTRICTION.

CONSTRUCTION AND DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF ACCORDING TO KENTUCKY DEP REQUIREMENTS.

THE CONTRACTOR WILL BE REQUIRED TO BUILD SEDIMENT BASINS OR SEDIMENT TRAPS OR USE EQUAL METHODS TO DETAIN AND CLEAN WATER TO ACCEPTABLE EPA STANDARDS BEFORE RELEASING THE WATER BACK INTO THE STREAM.

THERE SHALL BE NO TURBID DISCHARGES TO SURFACE WATERS, RESULTING FROM DEWATERING ACTIVITIES. SEDIMENT-LADEN WATER MUST PASS THROUGH A SETTLING POND, FILTER BAG, OR OTHER COMPARABLE PRACTICE, PRIOR TO DISCHARGE.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORM WATER RUNOFF.

ALL PROCESS WASTEWATER (EQUIPMENT WASHING, LEACHATE FROM ON-SITE WASTE DISPOSAL, ETC.) SHALL BE COLLECTED AND DISPOSED OF AT A PUBLICLY OWNED TREATMENT WORKS.

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION/SEDIMENT CONTROL, WASTE DISPOSAL, SANITARY AND HEALTH REGULATIONS.

OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND IMPLEMENTATION OF ADDITIONAL EROSION CONTROL ITEMS, AT THE ENGINEER'S DISCRETION.

NO SOIL, ROCK, DEBRIS OR OTHER MATERIAL SHALL BE DUMPED OR PLACED IN ANY AREAS NOT ADEQUATELY PROTECTED BY EROSION CONTROL INSTALLATIONS.

IT IS PREFERRED TO USE PERMANENT EROSION CONTROL ITEMS AS SHOWN IN THE PLANS TO CONTROL CONSTRUCTION POLLUTION WHEN POSSIBLE. OTHERWISE, THE TEMPORARY POLLUTION PREVENTION ITEMS ARE TO BE USED.

MOST TEMPORARY S&EC METHODS, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS MAY ALL HAVE TO BE PERIODICALLY REMOVED AND REPLACED, OR MOVED FROM THE EXISTING ROAD DITCH OR STRIPPED AREAS AS WORK PROGRESSES. ANY CHANGES SHALL BE NOTED IN THE PLAN BY RED LINE AND DATED ON A CORRECTIVE ACTION LOG.

ALL TEMPORARY SEDIMENT CONTROLS AND STORM WATER QUALITY METHODS WILL BE BUILT/INSTALLED AS THE PROJECT PROGRESSES TO ELIMINATE UNNECESSARY DISTURBANCE AND REDUNDANCY. ALL TEMPORARY CONTROLS SHALL BE IN PLACE AND FUNCTIONING PROPERLY WHEN THREATENING WEATHER IS IMMINENT.

"TEMPORARY STABILIZATION" MEANS THE ESTABLISHMENT OF TEMPORARY VEGETATION, MULCHING, GEOTEXTILES, SOD, PRESERVATION OF EXISTING VEGETATION AND OTHER TECHNIQUES CAPABLE OF QUICKLY ESTABLISHING COVER OVER DISTURBED AREAS TO PROVIDE EROSION CONTROL BETWEEN CONSTRUCTION OPERATIONS.

"PERMANENT STABILIZATION" MEANS THE ESTABLISHMENT OF PERMANENT VEGETATION, DECORATIVE LANDSCAPE MULCHING, MATTING, SOD, RIP RAP AND LANDSCAPING TECHNIQUES TO PROVIDE PERMANENT EROSION CONTROL ON AREAS WHERE CONSTRUCTION OPERATIONS ARE COMPLETE OR WHERE NO FURTHER DISTURBANCE IS EXPECTED FOR AT LEAST A YEAR.

OFF-SITE TRACKING OF SEDIMENTS SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP.

OPERATION SEQUENCE FOR TEMPORARY AND PERMANENT BMP INSTALLATION
TO COMPLETE THE EXCAVATION AND CONSTRUCTION OF THE PROPOSED JOB IMPROVEMENTS, COORDINATION OF THE CONTRACTOR'S WORK CREWS WILL BE REQUIRED. THE EXISTING DITCHES WILL PERFORM TEMPORARY SEDIMENT CONTROL AND STORAGE DURING THE PROPOSED CONSTRUCTION. WORK WILL GENERALLY PROCEED FROM DOWNSTREAM TO UPSTREAM IN THESE WORK AREAS. THE GENERAL CONSTRUCTION SEQUENCE IS AS FOLLOWS:

A) INSTALL EROSION CONTROL ITEMS.
B) STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL THROUGH THE INCREMENTAL WORK AREA.
C) INSTALL TEMPORARY DITCH CHECKS IN DOWNSTREAM END OF EXISTING DITCH WITHIN 24 HOURS FOLLOWING THE STRIPPING OPERATION. \
D) ANY DISTURBED OR EXPOSED AREAS SHALL BE STABILIZED PER KENTUCKY EPA TEMPORARY AND PERMANENT STABILIZATION REGULATIONS INCLUDING:
1. SEEDING
2. DITCH MATTING
3. INLET PROTECTION
4. MULCHING
5. WATERING

STABILIZATION PRACTICES
PERMANENT SEEDING AND MULCHING STABILIZATION SHALL BE PROVIDED PER KENTUCKY EPA GUIDELINES.

TABLE 1: PERMANENT STABILIZATION

AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
ANY OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TABLE 2: TEMPORARY STABILIZATION

AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITH 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
FOR ALL CONSTRUCTION ACTIVITIES, ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS, DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WINTER WEATHER

ALL TEMPORARY EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE REMOVED WHEN 70% VEGETATION HAS BEEN REACHED.

SEEDING & MULCHING

MULCH AND/OR OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 14 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

MULCH SHALL CONSIST OF UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 3 TONS/AC. OR 138 LB./1000 SQ. FT. (TWO TO THREE BALES). THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1000-SQ.-FT. SECTIONS AND PLACE THREE 45-LB. BALES OF STRAW IN EACH SECTION.

MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH:
1) MECHANICAL-USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 IN.
2) MULCH NETTINGS-USE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING SUGGESTIONS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
3) ASPHALT EMULSION-FOR STRAW MULCH, APPLY AT THE RATE OF 160 GAL./AC. (0.1 GAL./SY) INTO THE MULCH AS IT IS BEING APPLIED OR AS RECOMMENDED BY THE MANUFACTURE.
4) SYNTHETIC BINDERS-FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.

TEMPORARY SEEDING & MULCHING FOR EROSION CONTROL

SEED TYPE	PER 1000 SQ FT	PER ACRE
PERENNIAL RYEGRASS TALL FESCUE ANNUAL RYEGRASS	1 POUND 1 POUND 1 POUND	40 POUNDS 40 POUNDS 40 POUNDS
SMALL GRAIN STRAW	90 POUNDS	2 TONS
FERTILIZER	6 POUNDS OF 10-10-10 OR 12-12-12	250 POUNDS OF 10-10-10 OR 12-12-12

NOTE: OTHER APPROVED SPECIES MAY BE SUBSTITUTED

WINTER SEEDING & MULCHING

WINTER SEED AND MULCH IS REQUIRED FOR EARTH DISTURBANCE ACTIVITY OPERATIONS OCCURRING BETWEEN OCTOBER 15 AND MARCH 15 AND CAN ONLY BE INSTALLED DURING THAT TIME. ALL STRAW MULCH INCLUDED IN THIS WORK MUST BE EITHER CRIMPED IN PLACE OR INSTALLED WITH A BIODEGRADABLE BONDED FIBER MATRIX. CRIMPED MULCH IS REQUIRED TO BE ANCHORED INTO THE SOIL SURFACE WITH A MECHANICAL CRIMPING IMPLEMENT OR OTHER SUITABLE IMPLEMENT APPROVED BY THE ENGINEER. THE MULCH INCLUDED IN THIS WORK MUST BE CAPABLE OF PROVIDING SUFFICIENT DURABLE PROTECTIVE COVER THAT PROVIDES KENTUCKY DEP KPDES PERMIT COMPLIANT EROSION CONTROL FOR A MINIMUM OF 6 MONTHS. THE USE OF OTHER SEED AND/OR MULCH MATERIALS IN THIS TIME PERIOD REQUIRES SPECIFIC APPROVAL BY THE ENGINEER. THE USE OF WINTER SEEDING AND MULCHING IS NOT AN ACCEPTABLE PRACTICE FOR PROTECTING THE SUBGRADE SURFACE.

STOCKPILE

SILT FENCING SHALL BE INSTALLED AROUND TEMPORARY SPOIL STOCKPILES. THESE STOCKPILES SHALL BE STRAW MULCHED AND/OR TEMPORARILY SEEDED WITHIN 7 WORKING DAYS IF LEFT DORMANT FOR 14 DAYS OR LONGER.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, CONSTRUCTION ENTRANCE(S) AND SILT FENCE WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. SEDIMENT CONTROL DEVICES SHALL BE IMPLEMENTED FOR ALL AREAS REMAINING DISTURBED LONGER THAN 14 DAYS AND/OR WITHIN 7 DAYS OF ANY GRUBBING ACTIVITIES. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 2 DAYS OF THE LAST DISTURBANCE IF THE AREA IS WITHIN 50 FEET OF A STREAM, AND WITHIN 7 DAYS OF THE LAST DISTURBANCE IF THE AREA IS MORE THAN 50 FEET AWAY FROM A STREAM. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE BASIN.

STABILIZATION TYPE	J	F	M	A	M	J	J	A	S	O	N	D
PERMANENT SEEDING			●	●	●	*	*	*	●	●		
DORMANT SEEDING	●	●	●							●	●	●
TEMPORARY SEEDING			●	●	●	*	*	*	●	●		
SODDING			**	**	**	**	**	**	**			
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●

* - IRRIGATION NEEDED
** - IRRIGATION NEEDED FOR 2-3 WEEKS AFTER SOD IS APPLIED

INSPECTIONS
ALL BMPS ON THIS SITE SHALL BE INSPECTED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS AFTER A RAIN EVENT OF 0.5 INCHES PER 24 HOUR PERIOD. A RECORD OF THESE INSPECTIONS SHALL BE MAINTAINED IN THE CONSTRUCTION OFFICE WITH THE SWPPP FOR PUBLIC VIEWING. ANY VIOLATIONS WILL BE REPORTED THROUGH THE PROJECT PERSONNEL. A RAIN GAUGE WILL BE LOCATED WITHIN THE PROJECT LIMITS.

FOLLOWING EACH INSPECTION, A CHECKLIST MUST BE COMPLETED AND SIGNED BY THE QUALIFIED INSPECTION PERSONNEL REPRESENTATIVE. AT A MINIMUM, THE INSPECTION REPORT SHALL INCLUDE:

1. THE INSPECTION DATE;
2. NAMES, TITLES, AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION;
3. WEATHER INFORMATION FOR THE PERIOD SINCE THE LAST INSPECTION (OR SINCE COMMENCEMENT OF ONSTRUCTION ACTIVITY IF THE FIRST INSPECTION) INCLUDING A BEST ESTIMATE OF THE BEGINNING OF EACH STORM EVENT, DURATION OF EACH STORM EVENT, APPROXIMATE AMOUNT OF RAINFALL FOR EACH STORM EVENT (IN INCHES), AND WHETHER ANY DISCHARGES OCCURRED;
4. WEATHER INFORMATION AND A DESCRIPTION OF ANY DISCHARGES OCCURRING AT THE TIME OF THE INSPECTION;
5. LOCATION(S) OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE;
6. LOCATION(S) OF BMPS THAT NEED TO BE MAINTAINED;
7. LOCATION(S) OF BMPS THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION;
8. LOCATION(S) WHERE ADDITIONAL BMPS ARE NEEDED THAT DID NOT EXIST AT THE TIME OF INSPECTION; AND
9. CORRECTIVE ACTION REQUIRED INCLUDING ANY CHANGES TO THE SWP3 NECESSARY AND IMPLEMENTATION DATES.

THE PERMITTEE SHALL MAINTAIN A RECORD OF ALL INSPECTIONS FOR A PERIOD OF 3 YEARS FOLLOWING THE SUBMITTAL OF THE NOTICE OF TERMINATION.

MAINTENANCE
THE CONTRACTOR SHALL MAINTAIN, REPAIR, OR REPLACE ALL EROSION CONTROL INSTALLATIONS AS NEEDED TO ENSURE THE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL REPAIRS TO BMPS SHALL BE MADE WITHIN 3 DAYS (OR SOONER IF POSSIBLE) OF NOTIFICATION OF DEFICIENCIES. IF THE CORRECTIONS ARE NOT MADE WITHIN THE 3 DAY PERIOD, LIQUIDATED DAMAGES MAY BE ASSESSED.

ONGOING INSPECTION OF INSTALLATIONS WILL BE PERFORMED BY THE CONTRACTOR OR DESIGNATED REPRESENTATIVE.

ANY TRAPPED SEDIMENT OR DEBRIS REMOVED DURING CLEANING OF OR REMOVAL OF BMP INSTALLATIONS SHALL BE PLACED IN AREAS NOT SUBJECT TO EROSION AND PERMANENTLY STABILIZED.

SPILL PREVENTION
MATERIAL MANAGEMENT PRACTICES:

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING:

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

1. AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
2. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
3. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
4. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
5. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
6. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
7. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

1. PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES
IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
4. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. SPILLS OF 25 OR MORE GALLONS OF PETROLEUM WASTE MUST BE REPORTED TO KENTUCKY EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE SPILL.
5. SOILS CONTAMINATED BY PETROLEUM OR OTHER CHEMICAL SPILLS MUST BE TREATED/DISPOSED AT A KENTUCKY EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF).
6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
7. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS - ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FUEL STORAGE TANKS SHALL BE LOCATED AWAY FROM SURFACE WATERS AND STORM SEWER SYSTEM INLETS. FUEL TANKS SHALL BE STORED IN A DIKED AREA CAPABLE OF HOLDING 150% OF THE TANK CAPACITY.

FERTILIZERS - FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS - ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

DUST CONTROL

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE.

THE FOLLOWING SPECIFICATIONS FOR DUST CONTROL SHALL BE FOLLOWED ONSITE:

1. VEGETATIVE COVER AND/MULCH - APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING; PERMANENT SEEDING; MULCHING PRACTICES; AND TREE AND NATURAL AREA PROTECTION PRACTICES.
2. WATERING - SPRAY SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS SHALL BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
3. SPRAY-ON ADHESIVES - APPLY ADHESIVE ACCORDING TO THE FOLLOWING TABLE OR MANUFACTURERS' INSTRUCTIONS.

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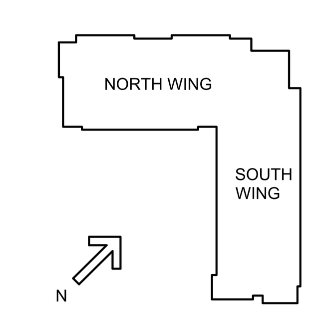
STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION
1	06-21-2019	SCHEMATIC DESIGN SUBMISSION
2	10-16-2019	DESIGN DEVELOPMENT SUBMISSION
3	11-05-2019	LAND DISTURBANCE PERMIT
4	1-06-2020	LAND DISTURBANCE PERMIT/OWNER REVIEW SET
5	1-16-2020	OWNER REVIEW SET
6	1-30-2020	KENTUCKY PERMIT SET

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DRAWING TITLE:
EROSION CONTROL NOTES

STATE OF KENTUCKY
PATRICK S. WARNEMENT
31221
LICENSED
PROFESSIONAL ENGINEER

JANUARY 30, 2020
DRAWN BY: JS | CHECKED BY: PSW
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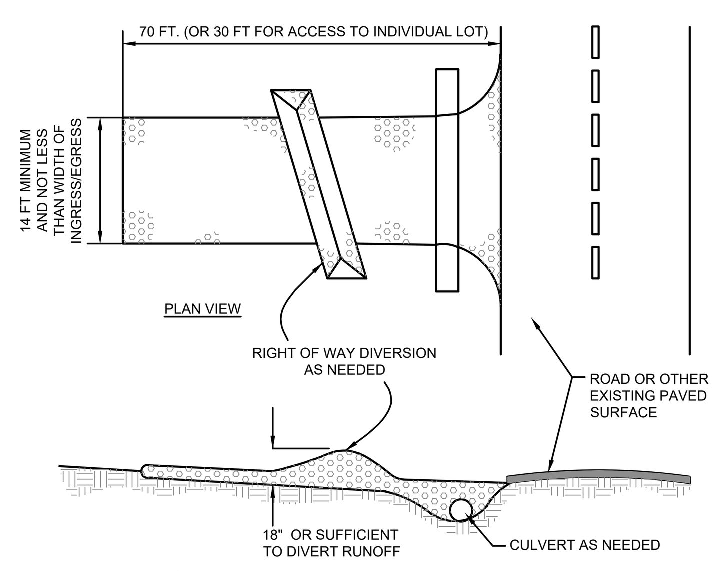


NOTES

1. STONE SIZE - 1.5-2.5 INCH STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 70 FT. (EXCEPTION: APPLY 30 FT. MINIMUM TO SINGLE RESIDENCE LOTS).
3. THICKNESS - THE STONE LAYER SHALL BE AT LEAST 6 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
4. WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. GEOTEXTILE - A GEOTEXTILE SHALL BE LAID OVER THE ENTIRE ARE PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:

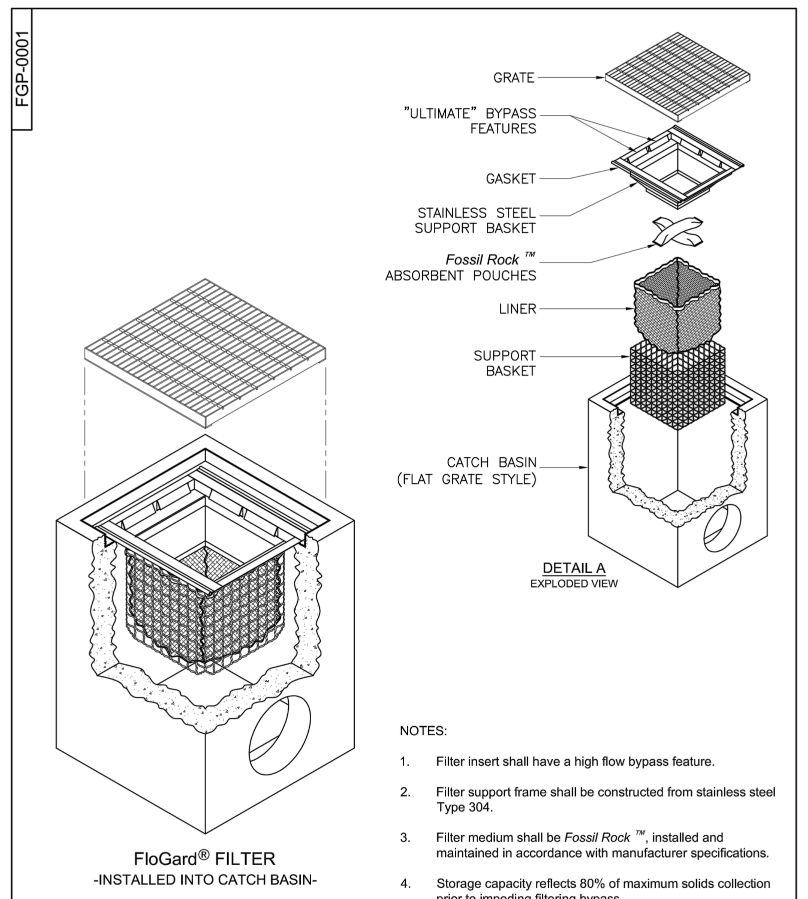
MINIMUM TENSILE STRENGTH	200 LBS
MINIMUM PUNCTURE STRENGTH	80 LBS
MINIMUM TEAR STRENGTH	50 LBS
MINIMUM BURST STRENGTH	320 PSI
MINIMUM ELONGATION	20%
EQUIVALENT OPENING SIZE	EOS< 0.6MM
PERMITTIVITY	1X10^{-3} CM/SEC

6. TIMING - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
7. CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEED ED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
8. WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
9. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR THE WASHING AND REWORKING OF EXISTING STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY. THE USE OF WATER TRUCKS TO REMOVE MATERIALS DROPPED, WASHED, OR TRACKED ONTO ROADWAYS WILL NOT BE PERMITTED UNDER ANY CIRCUMSTANCES. TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVE IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
10. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION-SITE SHALL BE RESTRICTED FROM MUDDY AREAS.
11. REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.

1 / C702 — CONSTRUCTION ENTRANCE DETAIL

NTS

FGP-0001



NOTES:

1. Filter insert shall have a high flow bypass feature.
2. Filter support frame shall be constructed from stainless steel Type 304.
3. Filter medium shall be *Fossil Rock ™*, installed and maintained in accordance with manufacturer specifications.
4. Storage capacity reflects 80% of maximum solids collection prior to impeding filtering bypass.

U.S. PATENT # 6,00,023 & 6,877,029

FloGard® *Catch Basin Insert Filter* *Grated Inlet Style* — Inlet Filtration

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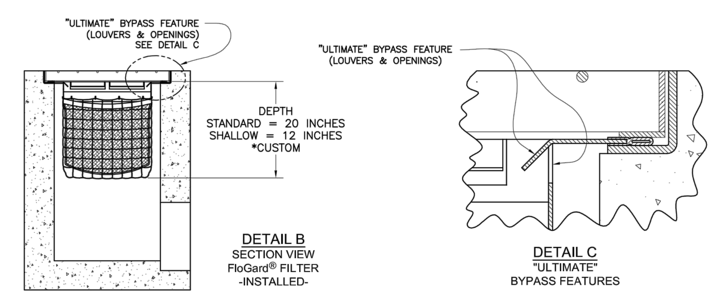
DRAWING NO. FGP-0001 | REV G | ECO ECO-0142 JPR 7/13/16 | DATE JPR 11/3/06 | SHEET 1 OF 2

FGP-0001

U.S. PATENT # 6,00,023 & 6,877,029



* MANY OTHER STANDARD & CUSTOM SIZES & DEPTHS AVAILABLE UPON REQUEST.

SPECIFIER CHART

MODEL NO. STANDARD DEPTH	STANDARD & SHALLOW DEPTH (Data in these columns is the same for both STANDARD & SHALLOW versions): INLET ID Inside Dimension (inch x inch)	GRATE OD Outside Dimension (inch x inch)	TOTAL BYPASS CAPACITY (cu. ft. / sec.)	STANDARD DEPTH -20 Inches-: SOLIDS STORAGE CAPACITY (cu. ft.)	FILTERED FLOW (cu. ft. / sec.)	MODEL NO. SHALLOW DEPTH	SHALLOW DEPTH -12 Inches-: SOLIDS STORAGE CAPACITY (cu. ft.)	FILTERED FLOW (cu. ft. / sec.)
FGP-12F	12 X 12	12 X 14	2.8	0.3	0.4	FGP-12F8	.15	.25
FGP-16F	16 X 16	16 X 19	4.7	0.8	0.7	FGP-16F8	.45	.4
FGP-18F	18 X 18	18 X 20	4.7	0.8	0.7	FGP-18F8	.45	.4
FGP-1824F	16 X 22	18 X 24	5.0	1.5	1.2	FGP-1824F8	.85	.7
FGP-1836F	18 X 36	18 X 40	6.9	2.3	1.6	FGP-1836F8	1.3	.9
FGP-2024F	18 X 22	20 X 24	5.9	1.2	1.0	FGP-2024F8	.7	.55
FGP-21F	22 X 22	22 X 24	6.1	2.2	1.5	FGP-21F8	1.25	.85
FGP-24F	24 X 24	24 X 27	6.1	2.2	1.5	FGP-24F8	1.25	.85
FGP-2430F	24 X 30	26 X 30	7.0	2.8	1.8	FGP-2430F8	1.6	1.05
FGP-2436F	24 X 36	24 X 40	8.0	3.4	2.0	FGP-2436F8	1.95	1.15
FGP-2448F	24 X 48	26 X 48	9.3	4.4	2.4	FGP-2448F8	2.5	1.35
FGP-28F	28 X 28	32 X 32	6.3	2.2	1.5	FGP-28F8	1.25	.85
FGP-30F	30 X 30	30 X 34	8.1	3.6	2.0	FGP-30F8	2.05	1.15
FGP-36F	36 X 36	36 X 40	9.1	4.6	2.4	FGP-36F8	2.65	1.35
FGP-3648F	36 X 48	40 X 48	11.5	6.8	3.2	FGP-3648F8	3.9	1.85
FGP-48F	48 X 48	48 X 54	13.2	9.5	3.9	FGP-48F8	5.45	2.25
FGP-SD24F	24 X 24	28 X 28	6.1	2.2	1.5	FGP-SD24F8	1.25	.85

FloGard® *Catch Basin Insert Filter* *Grated Inlet Style* — Inlet Filtration

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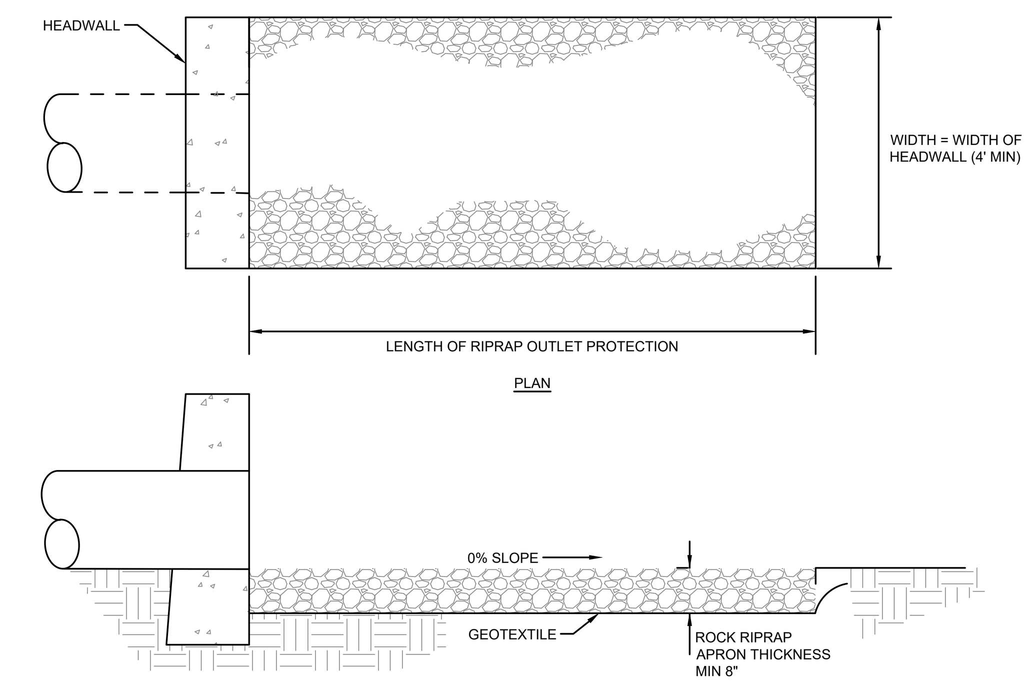
DRAWING NO. FGP-0001 | REV G | ECO ECO-0142 JPR 7/13/16 | DATE JPR 11/3/06 | SHEET 2 OF 2

3 / C702

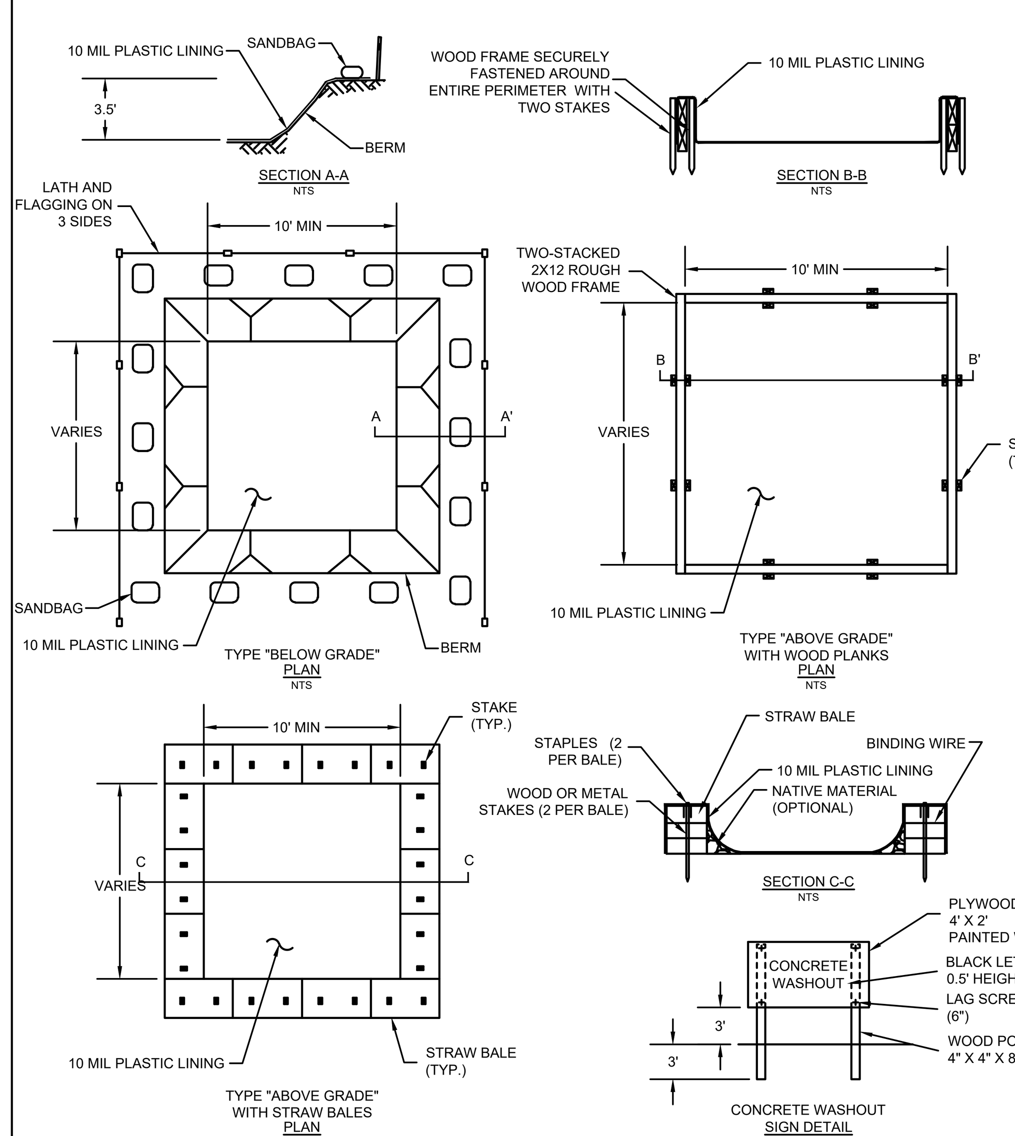


NOTES:

1. SUBGRADE FOR THE FILTER OR BEDDING AND RIPRAP SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES AS SHOWN ON THE PLAN. THE SUBGRADE SHALL BE CLEARED OF ALL TREES, STUMPS, ROOTS, SOD, LOOSE ROCK, OR OTHER MATERIAL.
2. RIPRAP SHALL CONFORM TO THE GRADING LIMITS AS SHOWN ON THE PLAN.
3. GEOTEXTILE SHALL BE SECURELY ANCHORED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.
4. GEOTEXTILE SHALL BE LAID WITH THE LONG DIMENSION PARALLEL TO THE DIRECTION OF FLOW AND SHALL BE LAID LOOSELY BUT WITHOUT WRINKLES AND CREASES. WHERE JOINTS ARE NECESSARY, STRIPS SHALL BE PLACED TO PROVIDE A 12-IN. MINIMUM OVERLAP, WITH THE UPSTREAM STRIP OVERLAPPING THE DOWNSTREAM STRIP.
5. RIPRAP MAY BE PLACED BY EQUIPMENT BUT SHALL BE PLACED IN A MANNER TO PREVENT SLIPPAGE OR DAMAGE TO THE GEOTEXTILE.
6. RIPRAP SHALL BE PLACED BY A METHOD THAT DOES NOT CAUSE SEGREGATION OF SIZES. EXTENSIVE PUSHING WITH A DOZER CAUSES SEGREGATION AND SHALL BE AVOIDED BY DELIVERING RIPRAP NEAR ITS FINAL LOCATION WITHIN THE CHANNEL.
7. CONSTRUCTION SHALL BE SEQUENCED SO THAT OUTLET PROTECTION IS PLACED AND FUNCTIONAL WHEN THE STORM DRAIN, CULVERT, OR OPEN CHANNEL ABOVE IT BECOMES OPERATIONAL.
8. ALL DISTURBED AREAS WILL BE VEGETATED AS SOON AS PRACTICAL.

5 / C702 — ROCK OUTLET PROTECTION DETAIL

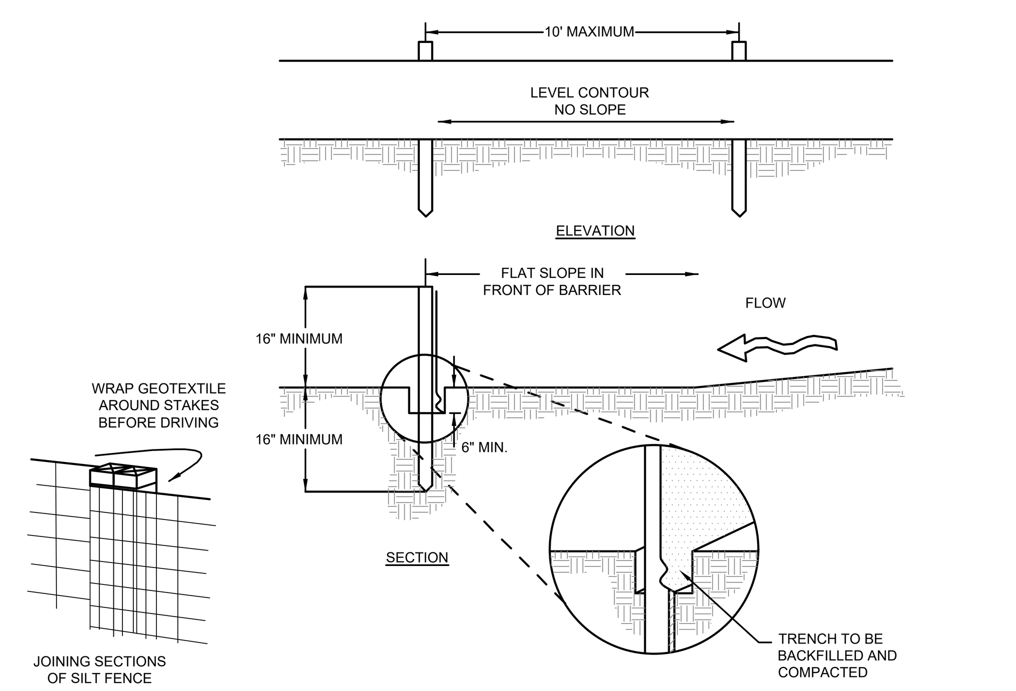
NTS



NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

2 / C702 — CONCRETE WASHOUT DETAIL

NTS



NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.
2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS THAT MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
3. ENDS OF THE SILT FENCES SHALL BE BROUGHT UPSLOPE SLIGHTLY SO THAT WATER PONDED BY THE SILT FENCE WILL BE PREVENTED FROM FLOWING AROUND THE ENDS.
4. SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.
5. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FEET (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.
6. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
7. THE SILT FENCE SHALL BE PLACED IN AN EXCAVATED OR SLICED TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE MADE WITH A TRENCHER, CABLE LAYING MACHINE, SLICING MACHINE, OR OTHER SUITABLE DEVICE THAT WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.
8. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE. A MINIMUM OF 8 INCHES OF GEOTEXTILE MUST BE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-INCH DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED ON BOTH SIDES OF THE FABRIC.
9. SEAMS BETWEEN SECTIONS OF SILT FENCE SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6-IN. OVERLAP PRIOR TO DRIVING INTO THE GROUND.
10. MAINTENANCE—SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER THE FABRIC OR AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS A CONCENTRATED FLOW DISCHARGE, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: 1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, 2) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR 3) OTHER PRACTICES SHALL BE INSTALLED.

    SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED WHEN THE DEPOSIT REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE SILT FENCE.

    SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING A PROLONGED RAINFALL. THE LOCATION OF EXISTING SILT FENCE SHALL BE REVIEWED DAILY TO ENSURE ITS PROPER LOCATION AND EFFECTIVENESS. IF DAMAGED, THE SILT FENCE SHALL BE REPAIRED IMMEDIATELY.

CRITERIA FOR SILT FENCE MATERIALS

1. FENCE POST – THE LENGTH SHALL BE A MINIMUM OF 32 INCHES. WOOD POSTS WILL BE 2-BY-2-IN. NOMINAL DIMENSIONED HARDWOOD OF SOUND QUALITY. THEY SHALL BE FREE OF KNOTS, SPLITS AND OTHER VISIBLE IMPERFECTIONS, THAT WILL WEAKEN THE POSTS. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT. POSTS SHALL BE DRIVEN A MINIMUM 16 INCHES INTO THE GROUND, WHERE POSSIBLE. IF NOT POSSIBLE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT/WATER LOADING.
2. SILT FENCE FABRIC – SEE CHART BELOW.

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LBS. (535 N)	ASTM D 4632
MAXIMUM ELONGATION AT 60 LBS	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS. (220 N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS. (180 N)	ASTM D 4533
APPARENT OPENING SIZE	<0.84 MM	ASTM D 4751
MINIMUM PERMITTIVITY	1X10-2 SEC-1	ASTM D 4491
UV EXPOSURE STRENGTH RETENTION	70%	ASTM G 4355

4 / C702 — SILT FENCE DETAIL

NTS

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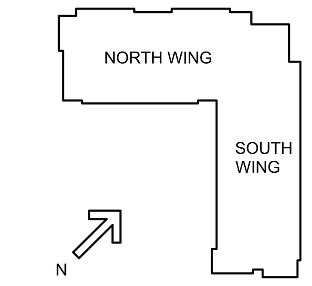

#	DATE	CHANGE DESCRIPTION
1	06-21-2019	SCHEMATIC DESIGN SUBMISSION
2	10-16-2019	DESIGN DEVELOPMENT SUBMISSION
3	11-05-2019	LAND DISTURBANCE PERMIT
4	1-06-2020	LAND DISTURBANCE PERMIT/OWNER REVIEW SET
5	1-16-2020	OWNER REVIEW SET
6	1-30-2020	KENTUCKY PERMIT SET

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KENTON DRIVE & CARROLL DRIVE
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FOR
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DRAWING TITLE:

EROSION CONTROL DETAILS

JANUARY 30, 2020

DRAWN BY: JS | CHECKED BY: PSW

#18237

C702

BID & PERMIT SUBMITTAL

STATE OF KENTUCKY — PATRICK S. WARNEMENT — 31221 — LICENSED PROFESSIONAL ENGINEER

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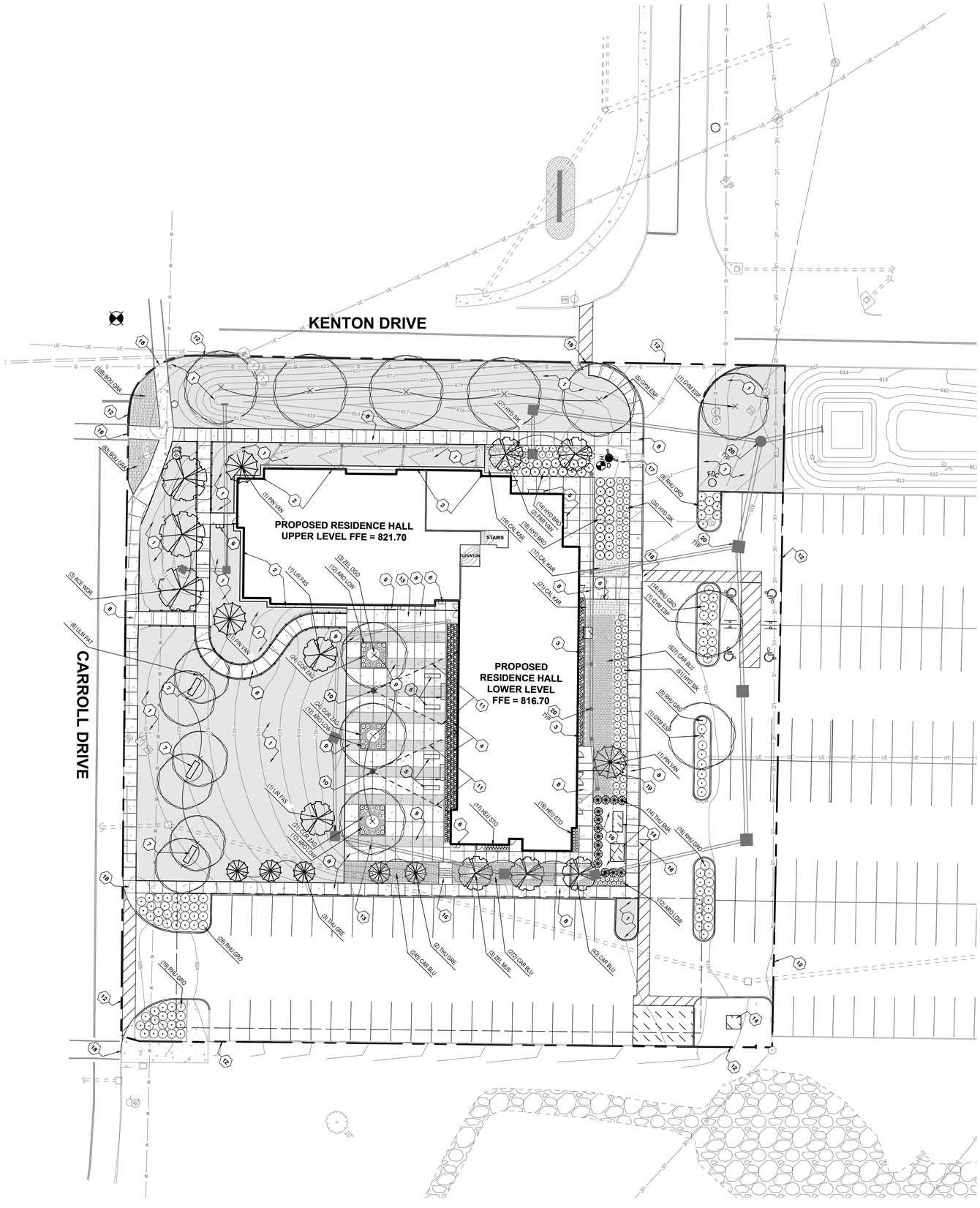


LEGEND:

- DECIDUOUS SHADE TREE
- DECIDUOUS ORNAMENTAL TREE
- EVERGREEN TREE
- PLANTING BED WITH SHRUBS, PERENNIALS, AND/OR ORNAMENTAL GRASSES
- DECIDUOUS ORNAMENTAL TREES FOR FUTURE HAMMOCKS
- LEED BOUNDARY

B&B	BALL AND BURLAP
CONT.	CONTAINER
HT.	HEIGHT
MIN	MINIMUM
N.I.C	NOT IN CONTRACT
O.C.	ON CENTER
QTY.	QUANTITY
TYP.	TYPICAL

GENERAL NOTES

A. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF WORK. LOCATIONS OF UTILITIES WHICH ARE MADE KNOWN TO THE CONTRACTOR PRIOR TO START OF CONSTRUCTION OPERATIONS, AND THAT ARE INDICATED TO BE RETAINED, AS WELL AS UTILITY LINES CONSTRUCTED DURING CONSTRUCTION OPERATIONS, SHALL BE PROTECTED FROM DAMAGE, AND IF DAMAGED, SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER. IF UTILITY LINES THAT THE CONTRACTOR IS NOT AWARE OF ARE ENCOUNTERED OR DAMAGED, THE AUTHORIZED OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IMMEDIATELY.

B. VIVIAN LLAMBI & ASSOCIATES, INC. MAKES NO WARRANTY OR REPRESENTATION AS TO THE QUALITY AND ACCURACY OF BASE INFORMATION AND EXISTING CONDITIONS. CONTRACTOR IS ADVISED TO VERIFY ALL CRITICAL DIMENSIONS AND ELEVATIONS.

C. NOTIFY OWNERS REPRESENTATIVE OF ANY OBSTRUCTIONS OR POOR SOIL CONDITIONS ENCOUNTERED THAT MAY IMPACT PLANT PLACEMENT OR HEALTH. TILL COMPACTED SOILS AND SUBGRADES.

D. DO NOT WILLFULLY INSTALL OR CONSTRUCT ITEMS AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.

E. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE CURRENT UNIFORM BUILDING CODE.

F. PLANT SUBSTITUTIONS ARE NOT ALLOWED WITHOUT WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT, PRIOR TO PURCHASE OF PLANT MATERIALS.

G. PROVIDE QUALITY, SIZE, GENUS, SPECIES, AND VARIETY OF EXTERIOR PLANTS INDICATED, COMPLYING WITH APPLICABLE REQUIREMENTS IN ANSI Z60.1, "AMERICAN STANDARD FOR NURSERY STOCK."

H. IN THE EVENT OF A DISCREPANCY WITHIN THE LANDSCAPE DOCUMENTS, THE PLANTING PLAN TAKES PRECEDENCE OVER THE PLANT LIST.

I. PROVIDE SOIL DEPTHS AS INDICATED ON DRAWING L501 AND SPEC 329113.

J. SEE DRAWINGS L501 FOR PLANTING DETAILS.

K. INSTALL 3" DEPTH DOUBLE-SHREDDED HARDWOOD MULCH IN ALL TREE PITS IN LAWN AREAS, AND IN SHRUB BEDS. INSTALL 2" DEPTH DOUBLE SHREDDED HARDWOOD MULCH IN ALL PERENNIAL AND GROUNDCOVER AREAS.

L. REFER TO SPECIFICATIONS 329200-TURF AND GRASSES AND 329300-PLANTS FOR MORE INFORMATION.

M. THE CONTRACTOR IS URGED TO DIVERT CONSTRUCTION DEBRIS FROM DISPOSAL IN LANDFILLS AND INCINERATORS. REDIRECT RECYCLABLE RECOVERED RESOURCES BACK TO THE MANUFACTURING PROCESS WHENEVER POSSIBLE. REDIRECT REUSABLE MATERIALS TO APPROPRIATE SITES OR RECYCLING FACILITIES.

N. ALL FINISHED PLANTING SOIL GRADES IN PLANTING AREAS TO BE 2" BELOW FINISHED SURFACE ELEVATIONS.

O. ALL FINISHED TOPSOIL GRADES IN LAWN AREAS TO BE 1" BELOW FINISHED SURFACE ELEVATIONS.

PLANT SCHEDULE

SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
TREES						
ACE WOR	3	ACER RUBRUM 'NEW WORLD'	NEW WORLD RED MAPLE	2.5" CALIPER	AS SHOWN	B&B, FALL DIGGING HAZARD
GYM ESP	8	GYMNOCLADUS DIOICUS 'ESPRESSO'	ESPRESSO KENTUCKY COFFEETREE	3" CALIPER	AS SHOWN	B&B
LIR FAS	2	LIRIODENDRON TULIPIFERA 'FASTIGIATUM'	FASTIGIATE TULIPTREE	2.5" CALIPER	22' O.C.	CONT., FALL DIGGING HAZARD
PAR VAN	2	PARROTIA PERSICA 'VANESSA'	COLUMNAR PERSIAN PARROTIA	2.5" CALIPER	AS SHOWN	TREE FORM, CONT.
PIN VAN	3	PINUS FLEXILIS 'VANDERWOLF' PYRAMID'	VANDERWOLF'S PYRAMID LIMBER PINE	6' HT.	AS SHOWN	B&B
THU GRE	5	THUJA PLICATA 'GREEN SPLENDOR'	GREEN SPLENDOR WESTERN ARBORVITAE	8' HT.	AS SHOWN	B&B
ULM PAT	6	ULMUS X 'PATRIOT'	PATRIOT ELM	4" CALIPER	12' O.C. PAIR	B&B, FALL DIGGING HAZARD
ZEL MUS	3	ZELKOVA SERRATA 'MUSASHINO"	MUSASHINO COLUMNAR ZELKOVA	3" CALIPER	25' O.C.	B&B, FALL DIGGING HAZARD
ZEL OGO	3	ZELKOVA SERRATA 'OGON'	OGON ZELKOVA	3" CALIPER	36' O.C.	B&B, FALL DIGGING HAZARD
SHRUBS						
ARO LOW	48	ARONIA MELANOCARPA 'LOW SCAPE MOUND'	LOW SCAPE MOUND CHOKEBERRY	15" HT.	24" O.C.	CONT.
HYD BRO	32	HYDRANGEA MACROPHYLLA 'BROOM STRUCK'	BROOM STRUCK HYDRANGEA	24" HT.	48" O.C.	CONT.
HYD SIK	105	HYDRANGEA QUERCIFOLIA 'SIKES DWARF'	SIKES DWARF OAKLEAF HYDRANGEA	24" HT.	36" O.C.	CONT.
RHU GRO	94	RHUS AROMATICA 'GRO-LOW'	GRO-LOW SUMAC	18" HT.	48" O.C.	CONT.
THU SMA	14	THUJA OCCIDENTALIS 'EMERALD' (SMARAGD)	EMERALD ARBORVITAE	6' HT.	48" O.C.	B&B
PERENNIALS						
BOU GRA	192	BOUTELOUA GRACILIS	BLUE GRAMA GRASS	NO. 2 CONT.	18" O.C.	
CAL KAR	52	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER REED GRASS	NO. 2 CONT.	30" O.C.	
CAR BLU	1082	CAREX FLACCA 'BLUE ZINGER'	BLUE ZINGER SEDGE GRASS	NO. 1 CONT.	15" O.C.	
COR ZAG	79	COREOPSIS VERTICILLATA 'ZAGREB'	ZAGREB COREOPSIS	NO. 2 CONT.	15" O.C.	
HEU STO	33	HEUCHERELLA x 'STOP LIGHT'	STOP LIGHT FOAMY BELLS	NO. 2 CONT.	15" O.C.	

KEYNOTE LEGEND

1. INSTALL 6" DEPTH TOPSOIL (SOIL TYPE A) AND SODDED LAWN PER SPECS 329113 AND 329200.
2. CONCRETE MOW STRIP WHERE LAWN MEETS BUILDING. SEE DETAIL 4/L501.
3. STONE COBBLE MAINTENANCE STRIP NORTH SIDE OF BUILDING. SEE DETAIL 5/L501.
4. STONE COBBLE MAINTENANCE STRIP AT PATIO. SEE DETAIL 6/L501.
5. BENCH PER UNIVERSITY STANDARDS (BY OWNER).
6. TRASH RECEPTACLE AND RECYCLE RECEPTACLE PER UNIVERSITY STANDARDS (BY OWNER).
7. FUTURE HAMMOCK, NIC.
8. STANDARD CONCRETE PAVEMENT. SEE CIVIL DRAWINGS.
9. COLORED CONCRETE PAVEMENT WITH TOOLED JOINTS, SANDBLAST FINISH, TYPICAL. SEE DRAWING L102.
10. POLES FOR STRING LIGHTS. SEE ELECTRICAL DRAWINGS.
11. STRING LIGHTS PER ELECTRIC SPECIFICATIONS.
12. LEED BOUNDARY.
13. CONCRETE PATIO. SEE DRAWING L102.
14. CONCRETE PADS FOR UTILITIES. SEE CIVIL DRAWINGS.
15. CONCRETE STAIRS. SEE CIVIL DRAWING 8/C002.
16. INSTALL GRAVEL MULCH, 4" DEPTH, OVER FILTER FABRIC.
17. PREPARE PLANTING BED FOR ANNUAL FLOWERS (PLANTS BY OWNER). INSTALL AMENDED TOPSOIL (SOIL TYPE B PER SPEC. 329113), 12" DEPTH, MIN.
18. CURB RAMPS PER ADA REQUIREMENTS. SEE CIVIL DRAWING C001.
19. IRRIGATION MAINLINE STUB OUT. SEE PLUMBING DETAIL 2/P200. FIELD VERIFY

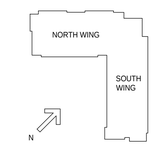
NOTES:

1. INSTALL AN IRRIGATION SYSTEM FOR ALL PLANTED AREAS. IRRIGATION PLAN BY OTHERS. SEE PLUMBING DRAWINGS FOR MAINLINE STUB OUTS AND BACKFLOW PREVENTER. AT MAINLINE STUB OUT, INSTALL TEE, VALVE, AND CAP. INSTALL CONTROLLER INSIDE THE MECHANICAL ROOM. INSTALL IRRIGATION SLEEVES UNDERNEATH SIDEWALKS.
2. ALL PEDESTRIAN PAVEMENTS TO BE CONCRETE WITH TOOLED JOINTS PER CIVIL DRAWING C001. SEE SPECIFICATION 321313 CONCRETE PAVING.
3. PROVIDE IMPORTED AMENDED PLANTING SOILS 'TYPE B' FOR ALL TREES AND PLANTING BEDS. SEE SPECIFICATION 329113 - SOIL PREPARATION. ALSO SEE PLANTING DETAILS ON DRAWING L501.
4. PROVIDE IMPORTED TOPSOIL 'TYPE A' FOR ALL LAWN AREAS PER SPEC 329113. ALSO SEE SPECIFICATION 329200 - TURF AND GRASSES.
5. PROVIDE PLANTS AS SPECIFIED ON DRAWING L101. SEE SPECIFICATION 329300 - PLANTS.

1 **PLAN** LANDSCAPE PLAN
1"=20'-0"

PRINT DATE:
FILE INFO:

STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
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VIVIAN LLAMBI & ASSOCIATES, INC.
ENVIRONMENTAL DESIGN•LANDSCAPE ARCHITECTURE
COMMUNITY PLANNING•URBAN DESIGN
2312 Park Avenue, Cincinnati, Ohio 45206
Phone: 513.559.9444, Fax: 513.559.0164
101 North 7th Street, Louisville, KY 40202
Phone: 502.409.0479, Fax: 502.561.3444

DRAWING TITLE:

LANDSCAPE PLAN

STATE OF KENTUCKY VIVIAN J. LLAMBI 397 REGISTERED LANDSCAPE ARCHITECT
1-13-2020

JANUARY 30, 2020

DRAWN BY: **PT** | CHECKED BY: **VJL**

#18237

L101

BID & PERMIT SUBMITTAL

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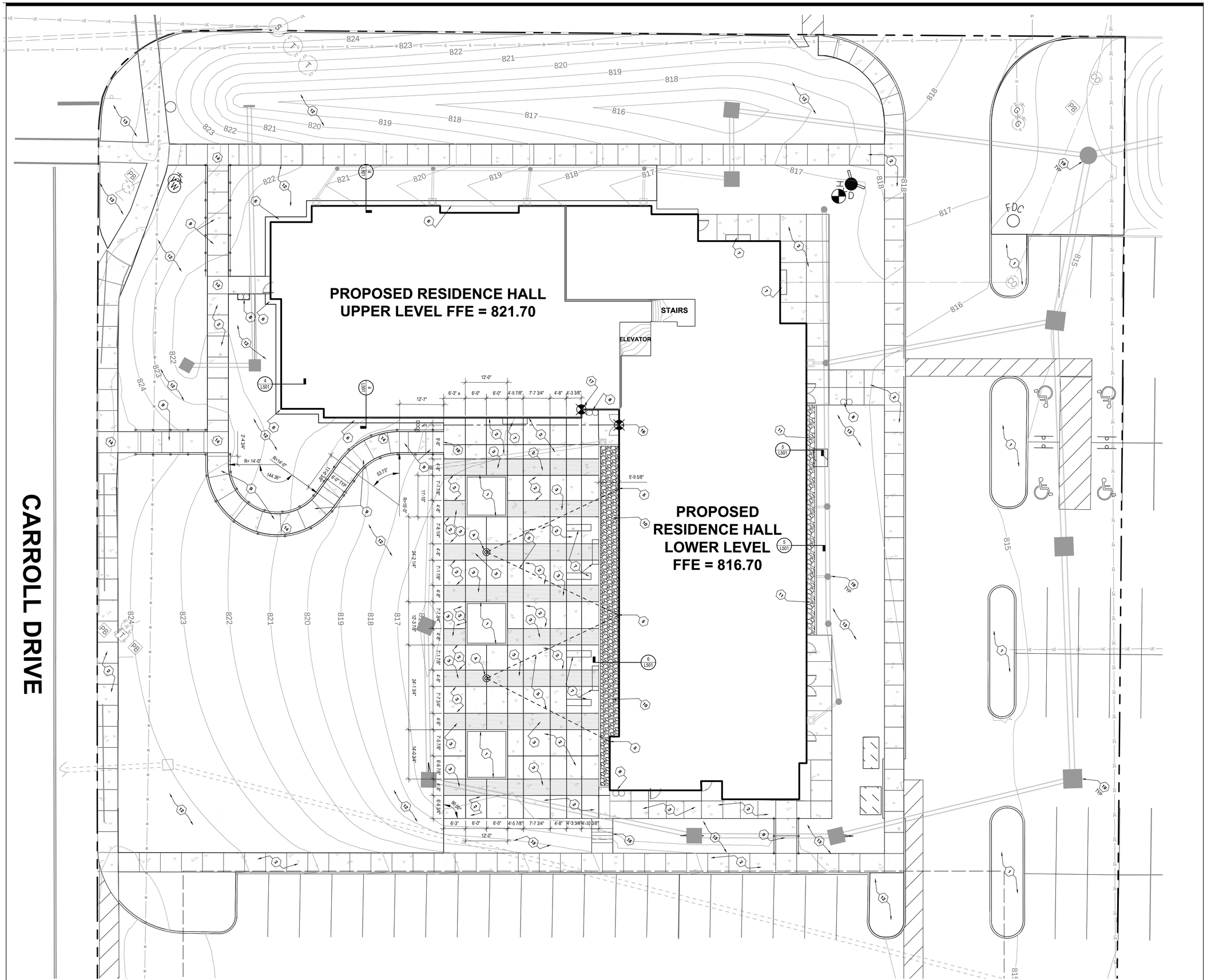
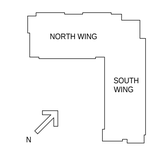


1 **PLAN** PATIO LAYOUT PLAN
1"=10'-0"

STATE OF KENTUCKY APPROVAL

KEYNOTE LEGEND

1. PLANTING BED WITH 6" HEIGHT CONCRETE CURB. SEE DETAIL 7/L501.
2. STANDARD GRAY CONCRETE PAVEMENT PER CIVIL DRAWINGS. SEE DETAIL 5/C001 AND SPEC. 321313.
3. INTEGRALLY COLORED CONCRETE PAVEMENT. BASIS OF DESIGN: CHROMIX P ADMIXTURE, COLOR: #1010 'BROWNSTONE'; L.M. SCOFIELD COMPANY. SUBMIT SAMPLES FOR APPROVAL. ALIGN COLORED BANDS WITH BUILDING WINDOWS. FIELD VERIFY.
4. POLES WITH STRING LIGHTS. SEE ELECTRICAL DRAWINGS. STRING LIGHT POLES TO MATCH STANDARD PEDESTRIAN POLE LIGHTS.
5. STRING LIGHTS ATTACHED TO BUILDING AND POLES AS SHOWN.
6. CONCRETE MOW STRIP. SEE DETAIL 4/L501.
7. BENCHES (BY OWNER)
8. TRASH RECEPTACLE AND RECYLCLE RECEPTACLES (BY OWNER)
9. STANDARD CONCRETE RAMP WITH HANDRAILS, 8.33% SLOPE MAX. TO COMPLY WITH ADAAG FOR ACCESSIBLE ROUTE. FIELD VERIFY. SEE HANDRAIL DETAILS 8 & 9, DRAWING L501. SEE CIVIL C400 GRADING PLAN.
10. STONE COBBLE MAINTENANCE STRIP AT PATIO. SEE DETAIL 6/L501.
11. STONE COBBLE MAINTENANCE STRIP AT EAST SIDE OF BUILDING. SEE DETAIL 5/L501.
12. SODDED LAWN, PER LANDSCAPE DRAWING L101.
13. PLANTING BED, PER LANDSCAPE DRAWING L01.
14. CONCRETE RAMP LANDING, 2% SLOPE MAX. TO COMPLY WITH ADAAG FOR ACCESSIBLE ROUTE. FIELD VERIFY. SEE CIVIL C400 GRADING PLAN.
15. CONCRETE STAIRS WITH HANDRAIL. SEE CIVIL DETAIL 8/C002.
16. POINT OF BEGINNING FOR DIMENSIONS FROM CENTERLINE OF DOOR.
17. POINT OF BEGINNING FOR DIMENSIONS ALONG UPPER LEVEL.
18. BOTTOM OF RAMP TO MEET FLUSH WITH PATIO PAVEMENT. SEE CIVIL C400 GRADING PLAN. FIELD VERIFY.
19. STORM WATER SYSTEM, TYP. SEE CIVIL DRAWINGS.



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
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VIVIAN LLAMBI & ASSOCIATES, INC.
ENVIRONMENTAL DESIGN • LANDSCAPE ARCHITECTURE
COMMUNITY PLANNING • URBAN DESIGN
2312 Park Avenue, Cincinnati, Ohio 45206
Phone: 513.559.9444, Fax: 513.559.0164
101 North 7th Street, Louisville, KY 40202
Phone: 502.409.0478, Fax: 502.561.3444

DRAWING TITLE:
COMMONS PLAN LAYOUT DETAIL

JANUARY 30, 2020

DRAWN BY: PT | CHECKED BY: VJL

#18237

L102

BID & PERMIT SUBMITTAL

STATE OF KENTUCKY · VIVIAN J. LLAMBI 397 · REGISTERED LANDSCAPE ARCHITECT
1-13-2020

PRINT DATE:
FILE INFO:

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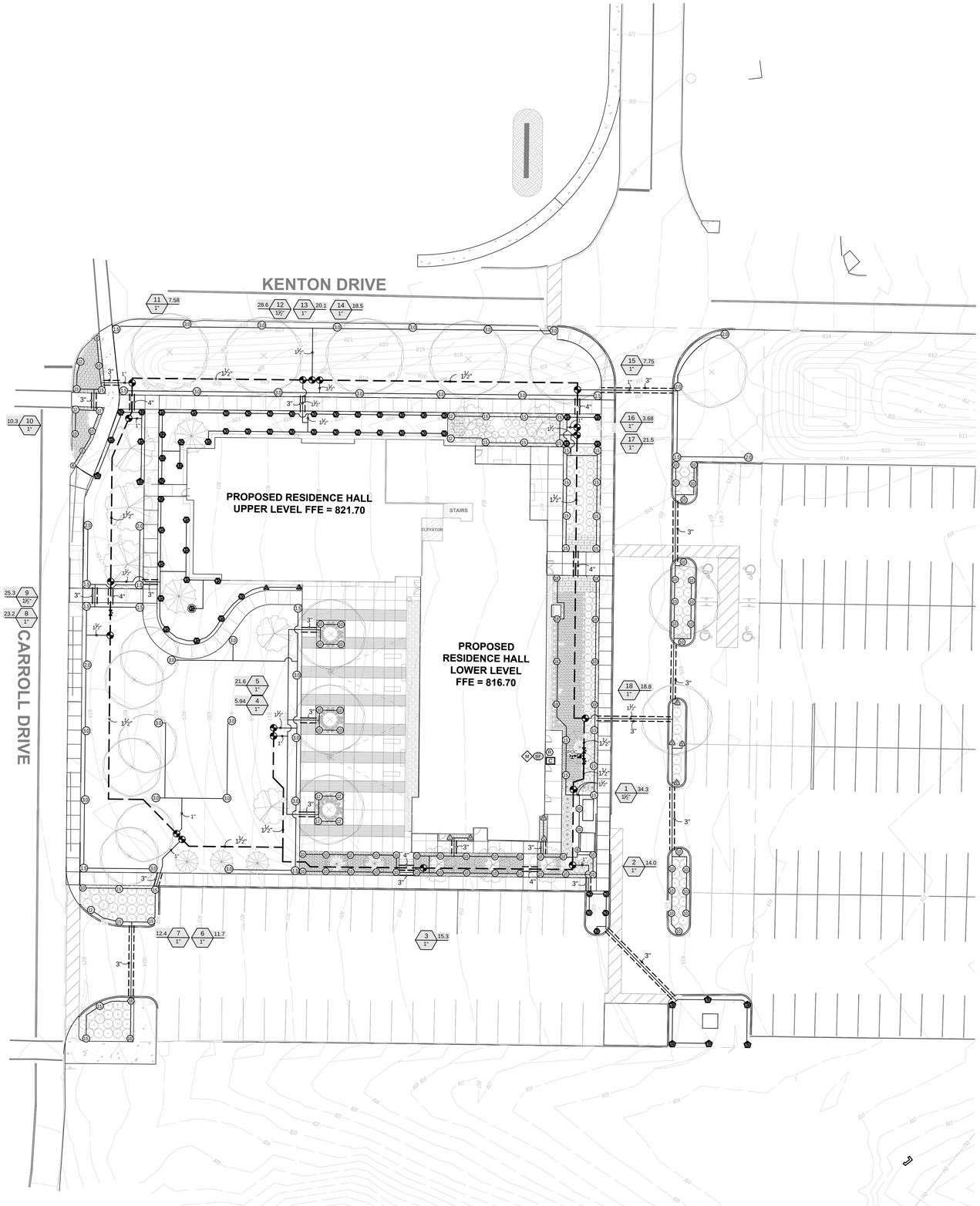


1 **PLAN** IRRIGATION PLAN
1"=20'-0"

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
EST LCS RCS CST SST	Rain Bird 1804-U-SAM-PRS 15 Strip Series Turf Spray 4" Pop-Up Sprinkler withSeal-A-Matic Check Valve. Pressure Regulating
Q T H TT TQ F	Rain Bird 1804-U-SAM-PRS U15 Series Turf Spray 4" Pop-Up Sprinkler withSeal-A-Matic Check Valve. Pressure Regulating
8 08HE-VAN, 10 10HE-VAN, 12 12HE-VAN, 15 15HE-VAN	Rain Bird 1804-U-SAM-PRS ADJ Turf Spray 4" Pop-Up Sprinkler withSeal-A-Matic Check Valve. Pressure Regulating
4V 6V 18V	Rain Bird 1804-SAM-PRS ADJ Turf Spray 4" Pop-Up Sprinkler with Seal-A-Matic Check Valve. Pressure Regulating
EST LCS RCS CST SST	Rain Bird 1812-SAM-PRS-U 15 Strip Series Shrub Spray, 12" Pop-Up Sprinkler with Seal-A-Matic Check Valve, and Pressure Regulating Device.
8 08HE-VAN, 10 10HE-VAN, 12 12HE-VAN, 15 15HE-VAN	Rain Bird 1812-SAM-PRS-U ADJ Shrub Spray, 12" Pop-Up Sprinkler with Seal-A-Matic Check Valve, and Pressure Regulating Device.
4V 6V 18V	Rain Bird 1812-SAM-PRS ADJ Shrub Spray 12" Pop-Up Sprinkler with Seal-A-Matic Check Valve, and Pressure Regulating Device.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
1.5	Rain Bird 5004-PC, FC-SAM-R Turf Rotor, 4" Pop-Up, Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, with Check Valve. Pressure Regulating
2.0	Rain Bird 5004-PC, FC-SAM-R Turf Rotor, 4" Pop-Up, Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, with Check Valve. Pressure Regulating
3.0	Rain Bird 5004-PC, FC-SAM-R Turf Rotor, 4" Pop-Up, Plastic Riser. Adjustable and Full Circle. Standard Angle Nozzle, with Check Valve. Pressure Regulating

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	Rain Bird PGA Series 1" & 1-1/2" Electric Remote Control Valve
	Rain Bird 5-LRC 1" Brass Quick-Coupling Valve, with Locking Rubber Cover. Install on swing joint with Snaplok Stabilizer
	Nibco T-113-K Class 125 bronze gate shut off valve with cross handle, same size as mainline pipe diameter at valve location
BF	Watts 2" Backflow 2" See Plumbing Drawings - Sheet P200
C	Rain Bird ESP8LXME-LXMM with (03) ESPLXMSM4 20 Station Capable Commercial Controller, with Powder-Coated Metal Cabinet. Electrical Contractor to provide 120 VAC to final controller location.
R	Rain Bird WR2-RFC Wireless Rain/Freeze Sensor Combo. Installation location to be approved by General Contractor and/or Architect
M	Water Meter See Plumbing Drawings - Sheet P200
POC	Point of Connection 2" Irrigation Stub-Out - See Plumbing Drawings
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Class 200 SDR 21
	Pipe Sleeve: PVC Schedule 40 Min. Sleeve Size 3" Unless Noted

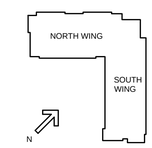
Valve Callout
Valve Number
Valve Flow
Valve Size

IRRIGATION NOTES

1. 65 PSI and a rate of 34 GPM required at the point of connection (after backflow). Irrigation contractor is responsible to verify actual conditions before starting installation. If flow/pressure conditions cannot be met, field adjustment may be necessary (booster pump, zone resizing and/or mainline size upgrade etc) to achieve sufficient operation of system. Report discrepancies to General Contractor.
2. All pipe shall be Class 200 PVC pipe, unless noted otherwise.
3. All wiring as per local code.
4. Backflow Prevention by MEP Contractor. See Plumbing Plans.
5. The irrigation system is diagrammatic; adjustments necessary in the field shall be made by the Contractor.
6. All valves shall be located in valve boxes flush with grade. (Min 10" Size)
7. The irrigation system shall be installed as per Manufacturer's Specifications.
8. Winterization of system shall be as per Manufacturer's Specifications.
9. Sleeving shall be required under all walks and roadways. Sleeve size shall be twice (2x) the size of pipe being sleeved. (minimum 3" unless noted).
10. Drawings and details supplied show necessary materials, but certain other materials may have to be supplied and installed by the irrigation contractor in order to have upon completion a fully operational irrigation system.
11. Bidding Contractors should become thoroughly familiar with all facets of the proposed irrigation system. Failure to clarify misunderstandings, or intent of these drawings before submittal of bid shall be the responsibility of the Contractor.
12. The Irrigation Contractor shall locate all utilities as are commonly encountered underground and shall take proper precautions not to damage or disturb such improvements. Coordinate with the General Contractor.
13. Irrigation Contractor will arrange inspections required by local agencies and ordinances during the course of construction as required.
14. Full and complete coverage is required. Irrigation contractor shall make any necessary minor adjustments to layout required to achieve full coverage of irrigation areas, at no additional cost to the owner.
15. Electrical power will be provided to Controller location(s). Coordinate with Owner's Authorized Representative as to final location of Controller. Coordinate electrical connection with Electrical Contractor.
16. Install rain/freeze sensor(s) per Manufacturer's recommendations. Coordinate all sensor locations with Owner's Authorized Representative.
17. Irrigation control wire shall be solid copper wire u.l. approved for direct burial in ground. Minimum gauge: #14 u.f. Common ground wire shall be white.
18. 24 vac wire splicing material will be direct burial splice kit as manufactured by 3M.
19. Riser extensions for sprinklers or a fixed riser with a shrub head/ adapter / nozzle, may be required, to get proper coverage, in some areas. Contractor to install as needed.
20. Irrigation piping should be installed so that there is no disturbance to the critical root zones of existing trees.
21. Irrigation sleeves, valves, laterals & mainline shown as-is for clarity. Install in turf or landscape areas.
22. Mainline depth to be 18" minimum. Lateral line depth to be minimum 12". See Trench Detail.
23. All irrigation controllers to be grounded per Manufacturer's recommendations.
24. Irrigation Contractor to select & install appropriate decoders where required. (not shown on drawings)
25. Irrigation Contractor to install "blue" 14 gauge tracer wire above all Irrigation Laterals & Mainline (see Trench Detail)

C.I.D. 866.252.2059
IRRIGATION CONSULTANTS

STATE OF KENTUCKY APPROVAL



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Phone: 502.409.0478, Fax: 502.561.3444

DRAWING TITLE:
IRRIGATION PLAN

ROB KURTZ STATE OF KENTUCKY 103343 LICENSED IRRIGATION CONSULTANT COMMERCIAL

JANUARY 30, 2020
DRAWN BY: **RLK** CHECKED BY: **RLK**
#18237
L401
BID & PERMIT SUBMITTAL

PRINT DATE: 2/20/2020
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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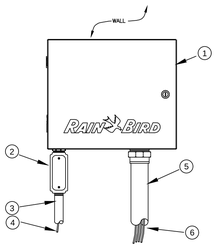
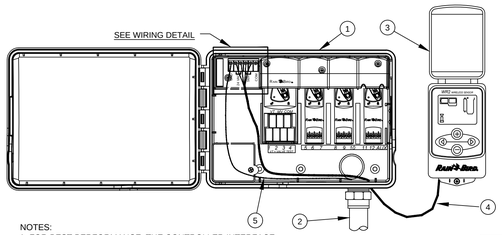


1. IRRIGATION CONTROLLER: RAIN BIRD ESP-LXME CONTROLLER IN LXMM METAL CABINET
2. JUNCTION BOX
3. 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
4. POWER SUPPLY WIRE
5. 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
6. WIRES TO REMOTE CONTROL VALVES

NOTES:
1. ESP-LXME CONTROLLER IS AVAILABLE IN 8- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 4-, 8- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
3. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
4. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

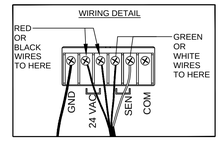
RAIN BIRD ESP-LXME / METAL CABINET

SCALE: NOT TO SCALE



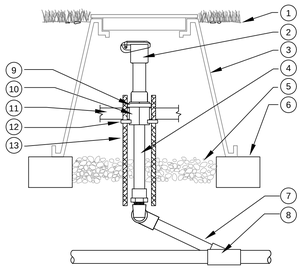
1. CONTROLLER:
2. 1-INCH PVC SCH 40 CONDUIT AND FITTINGS FOR VALVE WIRES
3. RAIN BIRD WR2 WIRELESS SENSOR CONTROLLER INTERFACE
4. CABLE HARNESS FOR CONTROLLER INTERFACE (30" MAXIMUM)
5. GROUND WIRE TO GROUNDING GRID

NOTES:
1. FOR BEST PERFORMANCE, THE CONTROLLER INTERFACE SHOULD BE INSTALLED AT LEAST FIVE FEET ABOVE THE GROUND.
2. IT IS RECOMMENDED THAT THE CONTROLLER INTERFACE BE INSTALLED AWAY FROM SOURCES OF ELECTRICAL INTERFERENCE (SUCH AS TRANSFORMERS, GENERATORS, PUMPS, FANS, ELECTRICAL METER BOXES) AND METAL OBJECTS TO MAXIMIZE COMMUNICATION RANGE.



RAIN BIRD WR2-RFC WIRELESS RAIN / FREEZE SENSOR

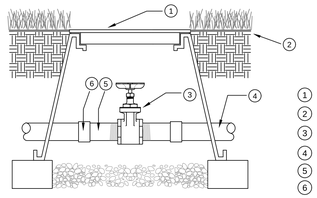
NOT TO SCALE



1. FINISH GRADE/TOP OF MULCH
2. QUICK-COUPLING VALVE: RAIN BIRD MODEL 5LRC
3. VALVE BOX WITH COVER:
4. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
5. 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
6. BRICK (1 OF 2)
7. MANUFACTURED SWING JOING
8. PVC SCH 40 TEE OR ELL
9. SNAP-LOK RING
10. SNAP-LOK
11. 1" PVC PIPE
12. STABILIZER ELBOW
13. 1/2" OR 3/8" REBAR

RAIN BIRD QUICK COUPLER 5LRC SERIES W/ SNAP LOK

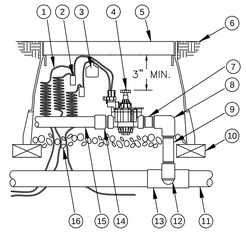
SCALE: NOT TO SCALE



1. VALVE BOX WITH COVER:
2. FINISH GRADE
3. NIBCO T-113-K GATE VALVE
4. MAINLINE - PER PLAN
5. SCH. 80 TOE NIPPLE
6. SCH. 40 PVC GLUE COUPLING

NIBCO T-113-K GATE VALVE

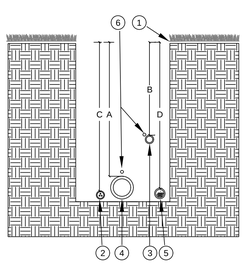
SCALE: NOT TO SCALE



1. 30-INCH LINEAR LENGTH OF WIRE, COILED
2. WATERPROOF CONNECTIONS
3. ID TAG: RAIN BIRD VID SERIES
4. REMOTE CONTROL VALVE: RAIN BIRD PGA SERIES
5. VALVE BOX WITH COVER:
6. FINISH GRADE/TOP OF MULCH
7. PVC SCH 80 NIPPLE (CLOSE)
8. PVC SCH 40 ELL
9. PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
10. BRICK (1 OF 4)
11. PVC MAINLINE PIPE
12. SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
13. PVC SCH 40 TEE OR ELL
14. PVC SCH 40 MALE ADAPTER
15. PVC LATERAL PIPE
16. 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

RAIN BIRD PGA SERIES ELECTRIC REMOTE CONTROL VALVE

SCALE: NOT TO SCALE



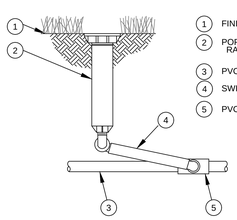
1. FINISHED GRADE
2. 120 VOLT ELECTRICAL - INSTALL PER LOCAL CODES - IF REQUIRED
3. LATERAL PIPING
4. MAINLINE PIPING
5. IRRIGATION CONTROL WIRES
6. "BLUE" 14 GAUGE TRACER WIRE ABOVE ALL LATERALS & MAINLINES

TRENCH DEPTHS	A	B	C	D
PIPE SIZES 1" TO 2-1/2"	18"	12"	Per Code	18"
PIPE SIZES 3" TO 4"	24"	18"	Per Code	24"

TIE A LOOSE 20" LOOP IN ALL WIRING AT CHANGES OF DIRECTION GREATER THAN 30 DEGREES. UNTIE LOOPS AFTER CONNECTIONS HAVE BEEN MADE.

TRENCH DETAIL

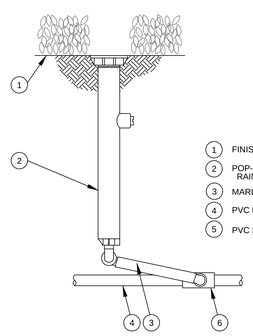
SCALE: NOT TO SCALE



1. FINISH GRADE/TOP OF MULCH
2. POP-UP SPRAY SPRINKLER: RAIN BIRD 1804-SAM-PRS
3. PVC LATERAL PIPE
4. SWING ASSEMBLY:
5. PVC SCH 40 TEE OR ELL

RAINBIRD 4" FIXED SPRAY 1804-SAM-PRS

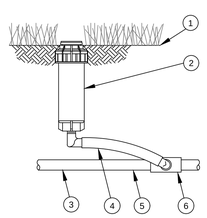
SCALE: NOT TO SCALE



1. FINISH GRADE/TOP OF MULCH
2. POP-UP SPRAY SPRINKLER: RAIN BIRD 1812-SAM-PRS
3. MARLEX SWING ASSEMBLY
4. PVC LATERAL PIPE
5. PVC SCH 40 TEE OR ELL

RAIN BIRD 12" FIXED SPRAY 1812-SAM-PRS

SCALE: NOT TO SCALE



1. FINISH GRADE
2. ROTOR POP-UP SPRINKLER: RAIN BIRD 5004-FC/PC-R
3. PVC LATERAL PIPE
4. SWING ASSEMBLY
5. LATERAL PIPE
6. PVC SCH 40 TEE OR ELL

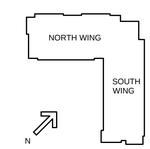
(PRESSURE REGULATING)

RAIN BIRD 4" ROTOR 5004-FC/PC-SAM-R

SCALE: NOT TO SCALE

C.I.D. 866.252.2059
IRRIGATION CONSULTANTS

STATE OF KENTUCKY APPROVAL



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DRAWING TITLE:

IRRIGATION DETAILS

ROB KURTZ CERTIFIED IRRIGATION DESIGNER 003343 COMMERCIAL

JANUARY 30, 2020

DRAWN BY: **RLK** | CHECKED BY: **RLK**

#18237

L402

BID & PERMIT SUBMITTAL

PRINT DATE: 2/05/2020
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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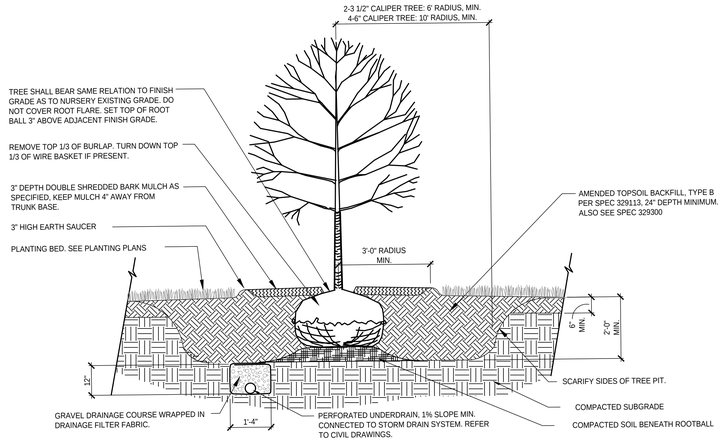
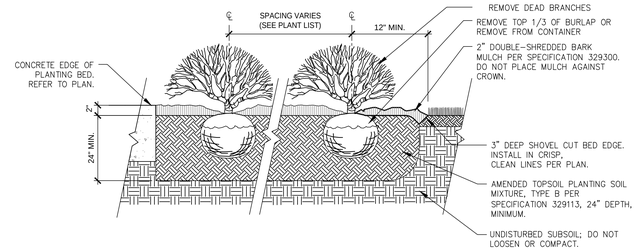


1 / L501 TREE PLANTING DETAIL
N.T.S.



2 / L501 SHRUB BED PLANTING DETAIL
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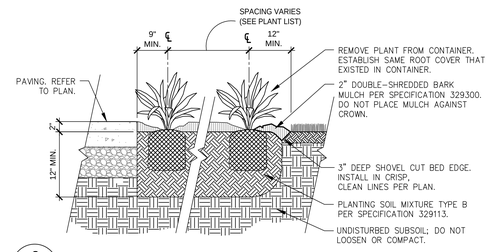
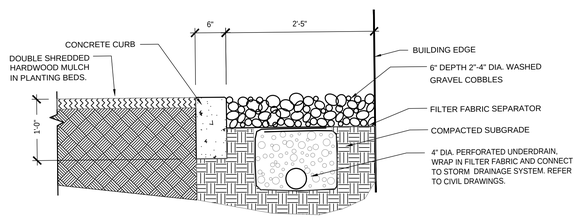
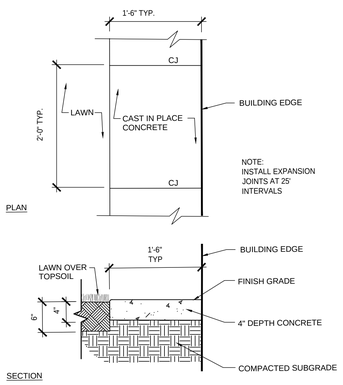


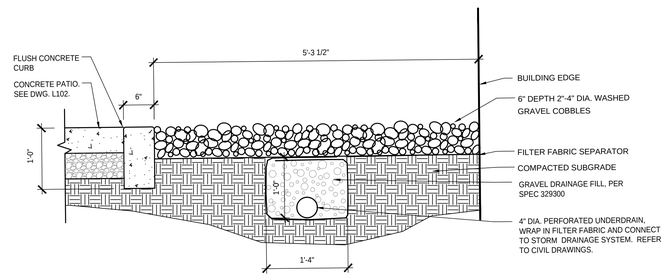
3 / L501 PERENNIALS AND GRASSES PLANTING DETAIL
N.T.S.



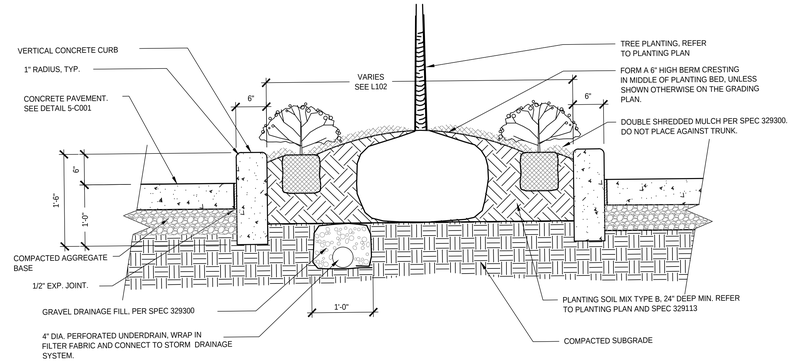
5 / L501 STONE COBBLE MAINTENANCE STRIP AT NORTHEAST FACE OF BUILDING - SECTION
1" = 1'-0"



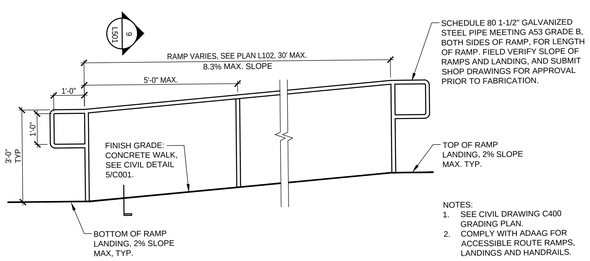
4 / L501 CONCRETE MOW STRIP
1" = 1'-0"



6 / L501 STONE COBBLE MAINTENANCE STRIP AT PATIO - SECTION
1" = 1'-0"

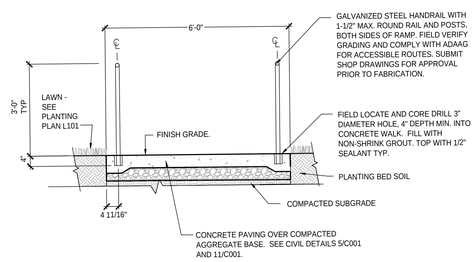


7 / L501 CURBED PLANTING BED AT PATIO - SECTION
1" = 1'-0"



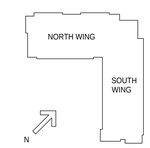
NOTES:
1. SEE CIVIL DRAWING C400 GRADING PLAN.
2. COMPLY WITH ADAAG FOR ACCESSIBLE ROUTE RAMPS, LANDINGS AND HANDRAILS.

8 / L501 HANDRAIL AT RAMP - SIDE ELEVATION
N.T.S.



9 / L501 HANDRAIL AT RAMP - SECTION
N.T.S.

STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

VIVIAN LLAMBI & ASSOCIATES, INC.
ENVIRONMENTAL DESIGN • LANDSCAPE ARCHITECTURE
COMMUNITY PLANNING • URBAN DESIGN
2312 Park Avenue, Cincinnati, Ohio 45206
Phone: 513.559.9464, Fax: 513.559.0164
and
101 North 7th Street, Louisville, KY 40202
Phone: 502.409.0479, Fax: 502.561.3444

DRAWING TITLE:
LANDSCAPE DETAILS

STATE OF KENTUCKY VIVIAN L. LLAMBI 397 REGISTERED LANDSCAPE ARCHITECT
1-13-2020

JANUARY 30, 2020
DRAWN BY: PT | CHECKED BY: VJL

L501

BID & PERMIT SUBMITTAL

PRINT DATE:
FILE INFO:

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GENERAL STRUCTURAL NOTES:

A. CODES AND SPECIFICATIONS

1. 2018 KENTUCKY BUILDING CODE, INCLUDING LATEST UPDATES
2. ASCE/SEI 7-10, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
3. ACI 301-16, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
4. ANSI/AISC 303-16, CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
5. ANSI/AWS D1.1, STRUCTURAL WELDING CODE – STEEL.
6. ADDITIONAL TECHNICAL SPECIFICATIONS IN THE PROJECT MANUAL.

B. DESIGN LOADS

1. FLOOR LOAD:
   SLAB ON GRADE LIVE LOAD: 100 PSF
   PRIVATE ROOMS AND CORRIDORS SERVING THEM: 40 PSF
   STUDY ROOMS: 50 PSF
   LOBBY, LOUNGE, COMMON AREAS: 100 PSF (NR)
   CORRIDORS, STAIRS: 100 PSF (NR)
   MECHANICAL/IDF: 150 PSF, 2000 LBS CONCENTRATED
   CEILING AND MECHANICAL ALLOWANCE: 10 PSF
   PARTITION ALLOWANCE (LL < 80 PSF): 15 PSF

2. ROOF LOAD:
   ROOF LIVE LOAD, MINIMUM: 20 PSF - (NR)
   CEILING AND MECHANICAL ALLOWANCE: 10 PSF
   ROOFING ALLOWANCE: 10 PSF
   CONCENTRATED LOAD ON ROOF: 300 LBS
   RTU DEAD LOADS: NOTED ON ROOF LOADING PLAN

   (NR) INDICATES LIVE LOADS ARE NOT REDUCED. OTHERWISE DESIGN LIVE LOADS FOR SLABS, BEAMS, COLUMNS, AND FOUNDATIONS ARE REDUCED PER CODE.

   ROOF LIVE LOADS ARE INCREASED FOR SNOW DRIFT AND PONDING PER ASCE-7. WATER DEPTH ON DEFLECTED STRUCTURE 6" MAXIMUM.

3. SNOW LOAD:
   GROUND SNOW LOAD: Pg = 20 PSF
   FLAT ROOF SNOW LOAD: Pf = 15.4 PSF
   RAIN ON SNOW SURCHARGE: 5 PSF
   SNOW EXPOSURE FACTOR: Ce = .9
   SNOW LOAD IMPORTANCE FACTOR: Is = 1.0
   THERMAL FACTOR: Ct = 1.0
   DRIFT SURCHARGE LOAD & WIDTH: NOTED ON ROOF LOADING PLAN

4. WIND LOAD:

   DESIGN WIND SPEED (3-SECOND GUST): Vult = 115 MPH; [Vasd = 90 MPH]
   RISK CATEGORY: II
   WIND EXPOSURE: B
   INTERNAL PRESSURE COEFFICIENT: ENCLOSED BUILDING, GCpi = +/- 0.18
   ROOF HEIGHT H= 60'-6" FT.

   COMPONENTS AND CLADDING – ULTIMATE STRENGTH DESIGN:
   FACTORED LOADS PSF (ult)

EFFECTIVE WIND AREA:	10SF	50SF	100SF
1 ROOF, TYPICAL AREAS	-38.6	-33.8	-31.3
2 ROOF WITHIN 6 FEET OF EDGES	-60.7	-53.3	-50.9
3 ROOF WITHIN 12 FEET OF CORNERS..	-82.7	-72.9	-70.4
4 WALLS, TYPICAL AREAS	+26.4/-26.4	+24/-25.2	+21.5/-24
5 WALLS WITHIN 6 FT OF CORNERS	+26.4/-48.4	+24/-43.5	+21.5/-38.6
4P PARAPETS	+45.1	+41.3	+37.6/-37.6
5P PARAPETS WITHIN 6 FT OF CRNRS...	+67.6	+60.1	+52.6/-52.6

   COMPONENTS AND CLADDING – ALLOWABLE STRESS DESIGN:
   WORKING LOADS PSF (asd)

EFFECTIVE WIND AREA:	10SF	50SF	100SF
1 ROOF, TYPICAL AREAS	-23.7	-20.7	-19.2
2 ROOF WITHIN 6 FEET OF EDGES	-37.2	-32.7	-31.2
3 ROOF WITHIN 12 FEET OF CORNERS ..	-50.6	-44.6	-43.1
4 WALLS, TYPICAL AREAS	+16.2/-16.2	+14.7/-15.4	+13.2/-14.7
5 WALLS WITHIN 6 FT OF CORNERS	+16.2/-29.7	+14.7/-26.7	+13.2/-23.7
4P PARAPETS	+27.6	+25.3	+23/-23
5P PARAPETS WITHIN 6 FT OF CRNRS ...	+41.4	+36.8	+32.2/-32.2

5. EARTHQUAKE DESIGN DATA:
   RISK CATEGORY: II
   SEISMIC IMPORTANCE FACTOR: Ie = 1.0
   MAPPED SPECTRAL RESPONSE ACCELERATION: Ss = 0.158, S1 = 0.081
   SITE CLASS: D
   DESIGN SPECTRAL RESPONSE COEFFICIENT: Sds = 0.169, Sd1 = 0.130
   SEISMIC DESIGN CATEGORY: B
   BASIC SEISMIC FORCE RESISTING SYSTEM: COLD-FORMED SHEAR WALLS & CONCENTRIC BRACED FRAMES
   RESPONSE MODIFICATION FACTOR: R = 4 FOR COLD FORMED SHEAR WALLS; R = 3 FOR CONCENTRIC BRACED FRAMES
   SEISMIC RESPONSE COEFFICIENT: Cs = 0.055
   DESIGN BASE SHEAR: 356 KIPS
   ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PER ASCE 7

C. FOUNDATIONS

1. THE FOUNDATION DESIGN IS BASED UPON THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL ENGINEER'S REPORT PREPARED BY GEOTECHNOLOGY, INC., DATED AUGUST 7, 2019.
2. FOUNDATION ELEVATIONS SHOWN ARE ESTIMATED AND ARE FOR BIDDING ONLY. ACTUAL ELEVATIONS MAY VARY TO SUIT SUBSURFACE SOIL CONDITIONS.
3. SPREAD FOOTINGS ARE DESIGNED FOR A MAXIMUM ALLOWABLE BEARING PRESSURE OF 30,000 PSF ON UNEWEATHERED BEDROCK. SOILS UNSUITABLE FOR SUPPORTING FOUNDATIONS SHALL BE REMOVED AS DIRECTED BY THE GEOTECHNICAL ENGINEER, AND BACKFILLED TO DESIGN BEARING ELEVATION WITH LEAN CONCRETE.
4. ALL BEARING SURFACES SHALL BE UNDISTURBED, LEVEL (WITHIN 1 IN 12), AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.
5. ALL FOOTINGS, CAPS AND GRADE BEAMS ARE TO BE POURED NEAT AGAINST EARTH BANKS (WITHOUT SIDE FORMS) UNLESS APPROVED OTHERWISE BY BOTH THE GEOTECHNICAL AND STRUCTURAL ENGINEERS. WHERE EARTH CUTS WILL NOT STAND, SIDES SHALL BE FORMED AND BACKFILLED WITH COMPACTED MATERIAL, SUBJECT TO ENGINEERS' APPROVAL.
6. DRILLED PIER FOUNDATIONS ARE DESIGNED TO BEAR IN DIFFERENT STRATAS BASED ON THE ALLOWABLE BEARING PRESSURES AND DEPTH OF EMBEDMENTS LISTED BELOW. ALL PIER BEARING SHALL BE APROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETEING.
   a. UNWEATEHRED SHALE BEDROCK: 30,000 PSF WITH 6" EMBEDMENT
   b. UNWEATHERED SHALE BEDROCK: 80,000 PSF WITH 2'-0" EMBEDMENT
7. SET COLUMN DOWELS AND ANCHOR RODS WITH A TEMPLATE PRIOR TO PLACING CONCRETE.

D. CONCRETE

1. CONCRETE STRENGTHS:
   a. FOOTINGS, DRILLED PIERS AND GRADE BEAMS: 3000 PSI.
   b. DRILLED PIERS: 4000 PSI.
   c. EXTERIOR CONCRETE EXPOSED TO WEATHER: 5000 PSI AE.
   d. TYPICAL CONCRETE UNLESS NOTED OTHERWISE: 4000 PSI.
   e. INTERIOR SLAB ON METAL DECK: 4000 PSI, NORMALWEIGHT
   f. BACKFILL (LEAN) CONCRETE: 1500 PSI.
2. MAXIMUM LENGTH OF WALL POUR BETWEEN CONSTRUCTION JOINTS SHALL NOT EXCEED 120 FEET. MAXIMUM LENGTH OF SLAB POUR BETWEEN CONSTRUCTION JOINTS SHALL NOT EXCEED 120 FEET. MAXIMUM AREA OF SLAB POUR SHALL NOT EXCEED 10,000 SF.
3. JOINTS NOT INDICATED ON STRUCTURAL DRAWINGS ARE NOT PERMITTED UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
4. PLACE NO PERMANENT LOAD ON SUPPORTED SLABS UNTIL CONCRETE HAS REACHED SPECIFIED STRENGTH AND ALL SHORING HAS BEEN REMOVED.
5. PLACE NO OPENINGS, SLEEVES, INSERTS, ETC. IN CONCRETE WORK UNLESS CRITERIA INDICATED ON THE STRUCTURAL DRAWINGS IS MET, OR SPECIFIC SIZE AND LOCATION IS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
6. CONCRETE CONSTRUCTION TOLERANCES ARE AS SHOWN IN THE PROJECT SPECIFICATIONS.
7. SLABS ON METAL DECKS ARE TO BE CAST TO A CONSTANT THICKNESS OVER BEAMS AND WALLS, WITH MINIMUM THICKNESS AS SHOWN ON THE DRAWINGS. ALLOW FOR EXTRA 1/2" OF CONCRETE TO ACCOUNT FOR METAL DECK DEFLECTION. PURLINS AND GIRDERS ARE UNSHORED DURING SLAB PLACEMENT. AFTER PLACEMENT, FINISH SLABS TO REQUIRED TOLERANCES PER THE PROJECT SPECIFICATIONS. COORDINATE WITH CONSTRUCTION MANAGER REGARDING CONSTRUCTION LOADING REQUIREMENTS AND REQUIRED SHORING OF DECK.

E. REINFORCING STEEL

1. ALL REINFORCING BARS: 60 KSI YIELD.
2. REINFORCE ALL SLABS AS FOLLOWS, U.N.O:
   a. SLABS ON METAL DECK: 6x6-W2.9xW2.9 (42#) WWF.
   b. INTERIOR SLABS ON GROUND: 6x6-W4.0xW4.0 (58#) WWF.
3. FURNISH WWF IN FLAT SHEETS. LAP SHEETS 2 WIRES (1 FULL WIRE SPACE) PLUS 2" AT ALL EDGES. STAGGER ADJACENT SHEETS TO AVOID 4 CORNER LAPS.
4. PROVIDE TENSION SPLICES UNLESS NOTED OTHERWISE.
5. PROVIDE MINIMUM CLEARANCES BETWEEN REINFORCING STEEL AND CONCRETE SURFACES AS SHOWN. IF NOT SHOWN, PROVIDE CLEAR COVER PER ACI. PLACE ALL REINFORCING AS SHOWN AND DETAILED, AND WITHIN ACI TOLERANCE.
6. PROVIDE MATERIAL AND PLACEMENT OF 2 TONS OF CONTINGENCY REINFORCING STEEL. SIZES OF BARS TO BE MIXED. BARS ARE TO BE CUT, BENT, AND PLACED AS DIRECTED BY THE ENGINEER.

F. MASONRY WALLS (CMU)

1. ALL MASONRY WORK SHALL CONFORM TO ACI 530.1 SPECIFICATIONS FOR MASONRY STRUCTURES.
2. MATERIAL:
   a. 1900 PSI (NET AREA), F'm = 1900 PSI, 2 CELL HOLLOW UNITS, NORMAL WEIGHT.
   b. 1 HOUR FIRE RATING REQUIRED.
   c. GROUT: COMPLY WITH ASTM C476, 3000 PSI, 8" TO 11" SLUMP.
   d. MORTAR: TYPE S.
   e. WALL REINFORCING: Fy = 60 KSI.
3. CONCRETE BLOCK WALLS SHALL BE REINFORCED AS SHOWN ON THE DRAWINGS BUT NOT LESS THAN THE FOLLOWING MINIMUM REINFORCING:
   a. VERTICAL, (1) #5 VERTICAL BAR AT ALL CORNERS, ENDS, BOTH SIDES OF ALL OPENINGS AND CONTROL JOINTS, AND AT A MAXIMUM SPACING OF 4'-0" O.C., U.N.O.
   b. HORIZONTAL, 9 GAGE, GALVANIZED LADDER TYPE JOINT REINFORCEMENT AT 16" O.C. MAXIMUM AND (2) #5 BARS IN BOND BEAMS.
4. MINIMUM 8" DEEP BOND BEAMS ARE REQUIRED AT ALL OPENINGS, UNLESS DEEPER BOND BEAMS ARE SPECIFIED ON THE PLANS. REINFORCE WITH (2) #5 BARS AND PROVIDE MIN. 8" BEARING EACH END.
5. VERTICAL BARS TO BE CONTINUOUS THROUGH BOND BEAMS.
6. MINIMUM LAP SPLICES FOR ALL VERTICAL AND HORIZONTAL BARS ARE NOTED IN THE FOLLOWING TABLE. PROVIDE LONGER LAP SPLICES WHERE DETAILED ON THE DRAWINGS.

BAR	LAP	BAR	LAP
#3	27"	#6	54"
#4	36"	#7	63"
#5	45"	#8	72"

7. DOWELS INTO MASONRY WALLS FROM FOUNDATION TO BE PROVIDED AND INSTALLED BY THE FOUNDATION CONTRACTOR. MASONRY CONTRACTOR SHALL REVIEW DOWEL LAYOUT AND PLACEMENT PRIOR TO CASTING OF FOUNDATIONS. SEE DRAWINGS AND DETAILS FOR DOWEL REQUIREMENTS.

G. STRUCTURAL STEEL

1. ALL WORK SHALL CONFORM TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) STANDARDS AND THE PROJECT SPECIFICATIONS.
2. FABRICATOR SHALL MEET AISC CERTIFICATION STANDARD FOR STEEL BUILDING STRUCTURES PER THE PROJECT SPECIFICATIONS.
3. MATERIAL:
   a. WIDE FLANGE SHAPES: ASTM A992 (Fy 50 KSI).
   b. STEEL PIPES: ASTM A53, GRADE B (Fy 35 KSI).
   c. HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500, GRADE C (HSS ROUND Fy 46 KSI; HSS SQUARE AND RECTANGULAR Fy 50 KSI).
   d. OTHER ROLLED SHAPES, PLATES AND BARS: ASTM A36 (Fy 36 KSI).
   e. PLATES AND BARS NOTED GRADE 50: ASTM A572 (Fy 50 KSI).
   f. HEADED SHEAR STUDS: ASTM A108, COMPLY WITH AWS D1.1, TYPE B.
   g. BOLTS: ASTM A325, 3/4" MIN. DIA., U.N.O.
   h. ANCHOR RODS: ASTM F1554 (Fy 36 KSI), U.N.O.
4. PROVIDE TENSION CONTROL A325-TC BOLTS OR F1852 ASSEMBLIES, OR F959 SELF INDICATING LOAD INDICATOR WASHERS AND PRETENSION ALL BOLTS.
5. ALL WELDING MATERIALS, WELDING PROCEDURES AND OPERATORS PERFORMING WELDING TO BE QUALIFIED PER AWS D1.1.
6. FABRICATOR TO DESIGN CONNECTIONS NOT DETAILED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, THE AISC MANUAL, AND THE STRUCTURAL STEEL FRAMING PLANS, NOTES AND DETAILS OF THESE DRAWINGS. FORCES INDICATED ON THE DRAWINGS ARE FACTORED FOR LRFD DESIGN, U.N.O.
7. CONNECTION CONFIGURATIONS INDICATED ON THE PLANS, NOTES AND DETAILS REPRESENT THE DESIGN INTENT. ITEMS SPECIFICALLY INDICATED, SUCH AS WELDS, STIFFENERS, BRACES, ETC., MUST BE PROVIDED AT MINIMUM AS SHOWN. ADDITIONAL DESIGN AND DETAILING OF CONNECTIONS, INCLUDING CONSIDERATION OF MEMBER THICKNESS, HOLES, CUTS, COPES AND THE EFFECTS OF CONCENTRATED FORCES, SHALL BE PROVIDED BY THE CONTRACTOR.
8. PRIME PAINTING IS REQUIRED FOR ALL STEEL WHICH WILL BE VISIBLE IN THE COMPLETED BUILDING AND IS NOT SCHEDULED TO RECEIVE FIRE PROOFING. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS. VERIFY PRIMER COMPATIBILITY WITH FIELD APPLIED TOP COATS.
9. UNLESS NOTED OTHERWISE, ALL EXTERIOR WALL LINTELS, LEDGE ANGLES, MEMBERS ABOVE THE ROOF LINE AND STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED.

H. METAL DECK

1. ALL WORK SHALL CONFORM TO STEEL DECK INSTITUTE (SDI) STANDARDS AND THE PROJECT SPECIFICATIONS.
2. DECK MANUFACTURER SHALL BE A CURRENT MEMBER OF SDI.
3. MATERIAL, G-60 MINIMUM GALVANIZED STEEL:
   a. 6" DEEP, 16/18 GAGE MIN. THICKNESS, COMPOSITE METAL FLOOR DECK.
   b. 2" DEEP, 18 GAGE MIN. THICKNESS, COMPOSITE METAL FLOOR DECK.
   c. 6" DEEP, 16/18 GAGE MIN. THICKNESS, METAL ROOF DECK.
   d. 1-1/2" DEEP, 20 GAGE MIN. THICKNESS, WIDE RIB METAL ROOF DECK.
   e. POUR STOPS, CLOSURES AND FILLERS, 18 GAGE MIN. THICKNESS.
   f. FASTENERS, SUBMIT ICC ESR WITH DIAPHRAGM CAPACITY FOR APPROVAL.
4. MINIMUM ATTACHMENT OF FLOOR DECK: FASTEN TO ALL SUPPORTS WITH NOT LESS THAN 5/8" DIA. FUSION WELDS OR APPROVED FASTENERS SPACED 12" O.C. FASTEN SIDE LAPS OF DECK UNITS WITH #10 SCREWS OR BUTTON PUNCH AT 36" O.C. MAX.
5. MINIMUM ATTACHMENT OF ROOF DECK: FASTEN TO ALL SUPPORTS WITH NOT LESS THAN 5/8" DIA. FUSION WELDS OR APPROVED FASTENERS SPACED 6" O.C. AT ENDS AND END LAPS, AND 12" O.C. MAXIMUM AT INTERMEDIATE SUPPORTS AND AT EDGES THAT ARE NOT PERPENDICULAR TO DECK SPAN. FASTEN SIDE LAPS OF DECK UNITS WITH MINIMUM #10 SCREWS AT 24" O.C. MAX.
6. MINIMUM ATTACHMENT OF LONG-SPAN ROOF DEEP DEK: FASTEN TO ALL SUPPORTS WITH #12x1-1/4" SCREWS OR APPROVED FASTENERS AT 12" O.C. AT ENDS, END LAPS AND INTERMEDIATE SUPPORTS. FASTEN SIDE LAPS OF DECK UNITS WITH #10x3/4" SCREWS AT 36" O.C.
7. PROVIDE SIDE CLOSURES AND FILLERS FOR DECK AND DIAPHRAGM CONTINUITY WITH THE STRUCTURE. ATTACH TO DECK AND STRUCTURE AS REQUIRED FOR DIAPHRAGM SHEAR BUT NOT FARTHER THAN 12" O.C. MAX.
8. INSTALL DECK AND PROVIDE CLOSURES AND FILLERS TO ALLOW SHEAR STUD INSTALLATION WITH 1" MINIMUM LATERAL CONCRETE COVER TYPICALLY, AND 2" MINIMUM LATERAL COVER AT DECK MID-HEIGHT IN THE LOAD DIRECTION.
9. PROVIDE POUR STOPS AS REQUIRED TO FORM CONCRETE AT EDGES AND OPENINGS.
10. TEMPORARY SHORING OF LONG SPAN FLOOR DECK IS REQUIRED. THE FREQUENCY OF SHORING WILL BE DEPENDANT ON THE CONSTRUCTION LOADING REQUIREMENTS AND CONCRETE FINISHING EQUIPMENT USED AND MUST BE COORDINATED WITH THE CONSTRUCTION MANAGER.

I. COLD FORMED METAL FRAMING (CFMF)

1. ALL WORK SHALL CONFORM TO AISI SPECIFICATION FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS AND THE AISI CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL STRUCTURAL FRAMING.
2. MATERIAL:
   a. ASTM A1003 WITH GALVANIZED FINISH (ASTM A525, G60).
   b. MINIMUM YIELD STRESS (Fy) FOR ALL COLD-FORMED METAL FRAMING SHALL BE AS FOLLOWS:
      1) 54 MIL (16 GA) MEMBERS AND HEAVIER MINIMUM OF 50,000 PSI.
      2) 43 MIL (18 GA) MEMBERS AND LIGHTER MINIMUM OF 33,000 PSI.
      3) ALL ACCESSORIES MINIMUM OF 33,000 PSI.
   c. MINIMUM MEMBER SIZES ARE SHOWN ON THE PLANS.
   d. ALL MEMBERS SHALL BE 43 MIL (18 GA) MINIMUM.
3. MAXIMUM SPACING OF WALL STUDS = 1'-4" O.C.
4. MAXIMUM SPACING OF FLOOR/ROOF JOISTS = 1'-4" O.C.
5. CONTRACTOR TO DESIGN ALL FRAMING MEMBERS AND CONNECTIONS NOT DETAILED:
   a. FRAMING MEMBERS AND CONNECTIONS ARE TO BE DESIGNED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE AISI SPECIFICATIONS, THE AISI CODE OF PRACTICE, AND THE STRUCTURAL FRAMING PLANS, NOTES AND DETAILS OF THESE DRAWINGS.
   b. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS, WORK POINTS, ETC. FRAMING MEMBER AND CONNECTION CONFIGURATIONS INDICATED ON THE PLANS, NOTES AND DETAILS REPRESENT THE DESIGN INTENT. ITEMS SPECIFICALLY INDICATED MUST BE PROVIDED AT MINIMUM AS SHOWN. ADDITIONAL DESIGN AND DETAILING OF CONNECTIONS, INCLUDING CONSIDERATION OF MEMBER THICKNESS, HOLES, CUTS, COPES AND THE EFFECTS OF CONCENTRATED FORCES, SHALL BE PROVIDED BY THE CONTRACTOR.
   c. CONTRACTOR MUST PROVIDE DRAWINGS AND CALCULATIONS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF KENTUCKY.
6. THE WALL STUD MANUFACTURER IS RESPONSIBLE FOR COORDINATION WITH THE METAL DECK SUPPLIER REGARDING BEARING DETAILS, CONNECTION REQUIREMENTS, ETC.
7. PROVIDE WEB STIFFENERS AT REACTION POINTS. PROVIDE BRIDGING AT MAXIMUM 4'-0" O.C. PROVIDE END BLOCKING AT JOIST ENDS WHERE NOT RESTRAINED AGAINST ROTATION.
8. ALL STUDS AND JOISTS ARE FULL LENGTH WITH NO SPLICES.
9. PROVIDE VERTICAL SLIP LATERAL TIE CONNECTIONS FOR NON-LOAD BEARING WALLS AT TOP CONNECTION, U.N.O.
10. FOR NON-BEARING WALL STUDS, WALL STUD MANUFACTURER IS RESPONSIBLE FOR DESIGNING AND SUPPLYING WALL FRAMING MEMBERS TO WITHSTAND ALL LATERAL LOADS (WIND AND SEISMIC) AND FOR DESIGNING AND SUPPLYING CONNECTIONS TO STRUCTURAL SUPPORTS. SEE DRAWINGS FOR INFORMATION RELATED TO STRUCTURAL SUPPORT.

J. LOOSE LINTELS

1. LINTELS SHALL HAVE A MINIMUM END BEARING AND SIZE, UNLESS OTHERWISE NOTED, PER TYPICAL LOOSE LINTEL DETAIL.
2. FOR OPENINGS LARGER THAN 6'-0", GROUT THE BEARING CELL OF THE MASONRY OR USE A SOLID MASONRY JAMB UNDER THE ENDS OF THE LINTEL.

K. POST-INSTALLED ANCHORS AND ADHESIVE ANCHORING TO CONCRETE

1. POST-INSTALLED ANCHORS AND ADHESIVE ANCHORING SYSTEMS MUST BE TESTED AND APPROVED USING ICC EVALUATION SERVICE ACCEPTANCE CRITERIA, INCLUDING ICC-ES AC193: "MECHANICAL ANCHORS IN CONCRETE ELEMENTS" OR ICC-ES AC308: "POST-INSTALLED ADHESIVE ANCHORS IN CONCRETE ELEMENTS". CONCRETE SHALL BE CONSIDERED CRACKED. SUBMIT MANUFACTURER'S DATA AND EVALUATION REPORT (ESR) FOR PROPOSED ANCHORS, ADHESIVES, AND ANCHORING SYSTEMS. INDICATE SPECIFIC PROJECT LOCATIONS AND CONDITIONS WHERE PROPOSED FOR USE.
2. MECHANICAL ANCHORS TO CONCRETE SHALL BE AS SHOWN IN THE STRUCTURAL DETAILS. UNLESS NOTED OTHERWISE, USE ONE OF THE FOLLOWING:
   a. HILTI KWIK BOLT TZ EXPANSION ANCHORS.
   b. POWERS POWER-STUD+ SD2 WEDGE EXPANSION ANCHORS.
   c. SIMPSON STRONG-BOLT 2 WEDGE ANCHORS.
3. ADHESIVE ANCHORING OF RODS AND REBAR TO CONCRETE SHALL BE AS SHOWN IN THE STRUCTURAL DETAILS. UNLESS NOTED OTHERWISE, PROVIDE STANDARD HAS-E RODS AND USE ONE OF THE FOLLOWING:
   a. HILTI HIT-HY 200 HYBRID ADHESIVE ANCHORING SYSTEM.
   b. HILTI HIT-RE 500-V3 EPOXY ADHESIVE ANCHORING SYSTEM.
   c. POWERS PE1000+ EPOXY ADHESIVE ANCHORING SYSTEM.
   d. SIMPSON SET-XP EPOXY ANCHORING ADHESIVE.
   e. OTHER PRODUCTS MAY BE REQUIRED FOR TEMPERATURE AND SPECIAL CONDITIONS.
4. ADHESIVE ANCHORING SHALL NOT BE USED IN OVERHEAD OR UPWARD CONDITIONS. USE HYBRID ADHESIVE FOR HORIZONTAL CONDITIONS.
5. POST-INSTALLED ANCHORS SHALL ONLY BE USED AS SHOWN AND APPROVED; THEY SHALL NOT BE USED WHERE CAST-IN-PLACE ANCHORS ARE REQUIRED.
6. ZINC COAT ANCHORS, RODS AND HARDWARE TYPICALLY. AT EXTERIOR USE GALVANIZED OR STAINLESS STEEL, UNLESS NOTED OTHERWISE.
7. EMBEDMENT DEPTH, EDGE DISTANCES, AND SPACING ARE CRUCIAL. LOCATE AS SHOWN ON THE DRAWINGS. WHERE NOT SHOWN, EMBED REBAR 24 DIAMETERS AND EMBED ANCHORS AT LEAST 8 DIAMETERS, WITH EDGE DISTANCES AT LEAST 8 DIAMETERS, AND SPACING AT LEAST 12 DIAMETERS. USE MANUFACTURER'S DATA TO CALCULATE REDUCED CAPACITY FOR ACTUAL CONDITIONS AND CONFIRM AN ULTIMATE SAFETY FACTOR OF AT LEAST 4.0.
8. HOLES INTO CONCRETE MUST NOT INTERFERE WITH REINFORCING BARS. THE CONTRACTOR SHALL REVIEW THE STRUCTURAL DRAWINGS AND USE FERRO-SCAN, CHIPPING OR OTHER MEANS TO LOCATE REINFORCING BARS IN THE AREA. SPACE HOLES TO FIT AROUND REBAR AND FABRICATE FIXTURE TO MATCH.
9. HOLES IN CONCRETE SHALL BE THE PROPER SIZE AND THOROUGHLY CLEANED WITH ALL DUST REMOVED. DRILL HOLES USING A HOLLOW BIT AND FUNCTIONING VACUUM SYSTEM, THEN BRUSH AND BLOW OUT WITH COMPRESSED AIR.
10. INSTALL INTO DRY CONCRETE IN CLEAN, DUST FREE HOLES USING METHOD AND PROCEDURE THAT MEETS MANUFACTURER'S RECOMMENDATIONS INCLUDING TEMPERATURE RANGE, HUMIDITY, INSTALLATION TIME AND CURE TIME. FOLLOW THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS. INSTRUCTIONS MUST BE INCLUDED IN THE ANCHOR PACKAGING.
11. PROVIDE STANDARD SIZE HOLES IN THE FASTENED STEEL ELEMENT (1/16" LARGER THAN THE BOLT DIAMETER). MARK AND DRILL ALL HOLES IN THE CONCRETE BEFORE SETTING STEEL. SOME ANCHORS MAY BE SET AFTER STEEL IS IN PLACE TO ALLOW SOME ALIGNMENT. DO NOT OVERSIZE HOLES.
12. THE CONTRACTOR SHALL ARRANGE FOR A REPRESENTATIVE OF THE MANUFACTURER TO PROVIDE ONSITE INSTALLATION TRAINING FOR THEIR PRODUCTS. ADHESIVE ANCHOR INSTALLERS SHALL ALSO BE CERTIFIED BY A RECOGNIZED PROGRAM, SUCH AS BY ACI AND CRSI. SUBMIT DOCUMENTATION OF TRAINING AND CERTIFICATION OF PERSONNEL PRIOR TO PERFORMING SUCH WORK. PROVIDE COPY TO THE OWNER'S INSPECTION AGENCY.
13. THE CONTRACTOR SHALL PROOF TEST ANCHORS AS PART OF THE CONTRACTOR'S QUALITY CONTROL PROGRAM. PROOF TEST 5% OF ALL ANCHORS AND REBAR IN EACH CONDITION, DISTRIBUTED THROUGHOUT THE PROJECT, AND AT LEAST (1) ANCHOR IN EACH STEEL FRAMING CONNECTION. AMOUNT OF TESTING SHALL BE INCREASED IF FAILURES OCCUR. OWNER'S INSPECTION AGENCY WILL OBSERVE INSTALLATION FOR CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS AND WILL WITNESS CONTRACTOR'S PROOF TESTING.

L. COORDINATION AND CONSTRUCTION

1. THE SPECIFICATIONS AND DRAWINGS COMPLEMENT EACH OTHER. BOTH SHALL BE THOROUGHLY REVIEWED BEFORE PROCEEDING WITH ANY WORK. THE CONTRACTOR SHALL COMPLETE ALL WORK REQUIRED AND NECESSARY FOR THE PROJECT IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, DRAWINGS, AND REFERENCED STANDARDS.
2. UNLESS OTHERWISE NOTED, DETAILS, SECTIONS AND NOTES ON THE STRUCTURAL DRAWINGS ARE INTENDED TO APPLY TO SIMILAR SITUATIONS ELSEWHERE.
3. STRUCTURAL FRAMING PLANS ARE TYPICALLY DRAWN AS REFLECTED PLANS SHOWING BEAMS, WALLS, AND COLUMNS ON THE UNDERSIDE OF THE LEVEL SHOWN.
4. ALL FRAMING MEMBERS PROVIDED FOR MECHANICAL TRADES, EQUIPMENT SUPPORT, ELEVATOR SUPPORT BEAMS, LINTELS, ROOF OPENINGS, ETC., ARE FOR BIDDING PURPOSES ONLY. SUBMIT MANUFACTURER'S DATA FOR THE PROPOSED EQUIPMENT TO STRUCTURAL ENGINEER FOR VERIFICATION OR REDESIGN OF SUPPORTS PRIOR TO PREPARING SHOP DRAWINGS.
5. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL DETAILS, DIMENSIONS, EMBEDDED ITEMS, SLEEVES, FLOOR PITCHES, DEPRESSIONS AND FILLS. OPENING SIZES AND LOCATIONS FOR PIPES, DUCTS, ETC., WHEN SHOWN, ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED WITH MECHANICAL, ELECTRICAL, PLUMBING AND OTHER COORDINATION DRAWINGS AS APPLICABLE.
6. SHOP DRAWINGS PREPARED BY SUPPLIERS AND SUB CONTRACTORS SHALL BE REVIEWED BY THE TRADE CONTRACTOR AND GENERAL CONTRACTOR OR CONSTRUCTION MANAGER PRIOR TO SUBMITTING TO ARCHITECT/ENGINEER.
   a. FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS WHICH AFFECT FABRICATION AND SHOW ON SHOP DRAWINGS.
   b. VERIFY AND SHOW EXACT SIZE AND LOCATION OF ALL FLOOR, WALL AND ROOF OPENINGS, SLAB EDGES, EMBEDDED ANCHORS AND OTHER ITEMS.
   c. SHOW AND LOCATE ALL MECHANICAL SLEEVES, EMBEDS, DRAINS, ETC. ON COORDINATION DRAWINGS. ITEMS NOT SUBMITTED FOR REVIEW TO THE STRUCTURAL ENGINEER ARE NOT PERMITTED IN OR THROUGH THE STRUCTURE.
   d. SUBMIT COMPLETE SHOP DRAWINGS WITH MANUFACTURERS' DATA, ETC. SHOW ALL CONNECTIONS AND DETAILS NECESSARY TO FULLY DESCRIBE AND PROPERLY INSTALL THE WORK.
   e. STRUCTURAL ENGINEER'S REVIEW SHALL BE FOR GENERAL ARRANGEMENT AND CONFORMANCE WITH THE STRUCTURAL INTENT ONLY.
7. THE SPECIFICATIONS AND STRUCTURAL DRAWINGS TYPICALLY REFER TO THE FINISHED STRUCTURE. UNLESS NOTED OTHERWISE, THEY DO NOT PRESCRIBE THE METHOD OF CONSTRUCTION.
8. BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
9. DO NOT BACKFILL FOUNDATION WALLS SPANNING BETWEEN BASEMENT SLABS AND STRUCTURAL FLOORS UNTIL SUPPORTING SLABS ARE IN PLACE.
10. BRACE WALLS WHICH ARE TIED TO SLAB ON GRADE FOR TOP LATERAL SUPPORT BEFORE BACKFILLING AND UNTIL SLAB ON GRADE HAS ATTAINED SPECIFIED STRENGTH.
11. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS.
12. THE ARCHITECT'S AND ENGINEER'S OBSERVATION AND REVIEW OF CONTRACTORS' PERFORMANCE DOES NOT INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

M. MECHANICAL AND OTHER ITEMS EMBEDDED IN OR SUPPORTED FROM STRUCTURE

1. PLACEMENT OF CONDUITS IN CONCRETE SHALL ADHERE TO THE FOLLOWING.
   a. OUTSIDE DIAMETER OF CONDUITS SHALL BE 1" OR LESS WHERE EMBEDDED IN SLABS AND WALLS.
   b. BUNCHING OF CONDUITS IS NOT PERMITTED. CONDUITS SHALL BE SPACED 3 DIAMETERS OR GREATER ON CENTER, AND 6" MIN. AWAY FROM COMPOSITE SHEAR STUD CONNECTORS.
   c. MINIMUM CONCRETE COVER ON CONDUITS SHALL BE 1-1/2".
   d. ALUMINUM CONDUITS, PIPES, OR SLEEVES ARE NOT PERMITTED.
2. ALL TRADE CONTRACTORS (MECHANICAL, STAIR, WALL, ENVELOPE, SPECIALTY, ETC.) ARE TO DESIGN THEIR SYSTEMS, INCLUDING ATTACHMENTS TO THE BUILDING'S STRUCTURE WITHIN THE FOLLOWING LIMITATIONS.
   a. LOADS ARE TO BE DISTRIBUTED TO THE STRUCTURE IN A MANNER THAT DOES NOT EXCEED THE LOAD ALLOWANCES NOTED UNDER DESIGN LOADS. ANCHORS ARE TO HAVE AN ULTIMATE SAFETY FACTOR OF AT LEAST 4.0.
   b. LOADS SUPPORTED BY WIDE FLANGE BEAMS ARE TO BE APPLIED IN A MANNER WHICH DOES NOT CAUSE TORSION ABOUT THE LONGITUDINAL AXIS OF THE BEAM.
3. THE SIZE AND LOCATION OF EQUIPMENT, ROOF CURBS, ELEVATORS, AND OTHER ITEMS MUST BE COORDINATED WITH SUPPORTING STRUCTURAL STEEL AND/OR ANGLE FRAMES. TRADE CONTRACTOR(S), GENERAL CONTRACTOR AND CONSTRUCTION MANAGER MUST ENSURE ACCURATE DIMENSIONAL INFORMATION IS PROVIDED TO STEEL FABRICATOR PRIOR TO FABRICATION.
4. ROOF CURBS SUPPORTING LOADS MUST BEAR DIRECTLY ON SUPPORTING STEEL OR CONCRETE STRUCTURE. IF PLACED ABOVE METAL ROOF DECK, PROVIDE SHIMS IN THE DECK RIBS TO TRANSFER LOADS THROUGH DECK TO SUPPORTING STRUCTURE.
5. UNLESS OTHERWISE NOTED, DO NOT HANG OR OTHERWISE SUPPORT ANY ITEMS FROM METAL DECK. USE CONCRETE ANCHORS TO SUPPORT FROM CONCRETE SLABS CAST ON METAL DECK.

N. UTILITIES

1. PRIOR TO EXCAVATION AND EARTHWORK, VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH THE UTILITY COMPANIES, CONSTRUCTION MANAGER, AND/OR OWNER. EXCAVATE OR SURVEY TO ESTABLISH EXACT UTILITY LOCATIONS. UTILITY LOCATIONS SHOWN ON THE CONTRACT DRAWINGS ARE ONLY APPROXIMATE AND CANNOT BE USED TO ASSURE THE CONTRACTOR OF ADEQUATE CLEARANCE. COORDINATE ALL WORK WITH THE UTILITIES TO ASSURE THEIR UNINTERRUPTED FUNCTION.
2. ACTIVE UTILITIES SHOWN ON THE CONTRACT DRAWINGS SHALL BE ADEQUATELY PROTECTED FROM DAMAGE. WHERE ACTIVE UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS, CONTRACTOR SHALL IMMEDIATELY NOTIFY CONSTRUCTION MANAGER, ARCHITECT/ENGINEER, AND UTILITY OWNER BEFORE PROCEEDING.
3. INACTIVE AND ABANDONED UTILITIES ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS SHALL BE REPORTED IMMEDIATELY TO THE CONSTRUCTION MANAGER AND ARCHITECT/ENGINEER.

O. QUALITY CONTROL AND ASSURANCE

1. THE CONTRACTOR SHALL PERFORM QUALITY CONTROL, TESTING AND INSPECTION OF ALL WORK AS REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING REFERENCED CODES, SPECIFICATIONS AND STANDARDS.
2. THE OWNER WILL EMPLOY A TESTING AND INSPECTION AGENCY TO PERFORM SERVICES INDICATED TO BE BY OWNER IN THE PROJECT SPECIFICATIONS.
3. THE OWNER WILL ALSO EMPLOY QUALIFIED SPECIAL INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH CHAPTER 17 OF THE BUILDING CODE. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL INSPECTIONS AND TESTS. ITEMS REQUIRING SPECIAL INSPECTION ON THIS PROJECT INCLUDE:
   a. SOILS: FOUNDATION BEARINGS AND COMPACTION OF FILL MATERIALS.
   b. CONCRETE: ALL CONCRETE WORK.
   c. REINFORCING STEEL: ALL REINFORCING STEEL.
   d. STRUCTURAL STEEL: ALL WELDING AND HIGH STRENGTH BOLTING.
   e. COLD-FORMED METAL FRAMING: ALL LOAD-BEARING COLD FORMED METAL FRAMING.
4. THE STRUCTURAL ENGINEER MAY GENERALLY OBSERVE THE PROGRESS OF THE WORK, BUT HIS OBSERVATION SHALL NOT BE CONSTRUED AS INSPECTION.

STRUCTURAL STEEL FRAMING NOTES:

1. SEE S001 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. UNDIMENSIONED MEMBERS TYPICALLY ARE EQUALLY SPACED BETWEEN DIMENSIONED MEMBERS.
3. COORDINATE SIZES AND LOCATIONS OF ALL FLOOR OPENINGS, ROOF OPENINGS, AND SLEEVES WITH ARCHITECTURAL AND MECHANICAL REQUIREMENTS. SEE S002 FOR TYPICAL FLOOR AND ROOF OPENING DETAILS.
4. FABRICATOR TO COMPLETE THE DESIGN OF ALL CONNECTIONS. SEE GENERAL NOTES AND PROJECT SPECIFICATIONS.
5. ALL SHEAR CONNECTIONS TO COLUMNS ARE TO BE AISC DOUBLE ANGLE CONNECTIONS U.N.O. WITH THE MINIMUM ROWS OF BOLTS = BEAM
   DEPTH IN INCHES DIVIDED BY 4.5 SPACED 3" MINIMUM O.C.
6. UNLESS INDICATED OTHERWISE, SHEAR CONNECTIONS AT PURLINS TO GIRDERS MAY BE AISC SINGLE-PLATE OR SINGLE-ANGLE CONNECTIONS WITH A MAXIMUM ECCENTRICITY OF 3" AND MINIMUM ROWS OF BOLTS = BEAM DEPTH IN INCHES DIVIDED BY 4, SPACED 3" MINIMUM O.C. SINGLE SHEAR CONNECTIONS SHALL HAVE HORIZONTAL SHORT SLOTTED HOLES TO THE SUPPORTED BEAM, STANDARD HOLES TO THE SUPPORTING GIRDER OR MAY BE SHOP WELDED TO EITHER THE BEAM OR GIRDER.
7. FORCES INDICATED ON THE DRAWINGS ARE FACTORED FOR LRFD DESIGN, U.N.O. DESIGN BEAM CONNECTION FOR FORCES INDICATED ON THE PLANS. BRACING ELEVATIONS AND DETAILS MAY ALSO SHOW REQUIRED FORCES WHICH ARE ADDITIVE. FORCES ARE INDICATED AS:
   A = AXIAL END REACTION, KIPS
   V = VERTICAL END REACTION KIPS
   M = END MOMENT, FOOT KIPS
8. COMPOSITE SHEAR CONNECTORS ARE TO BE ¾" DIA. HEADED STUDS x 5" LONG AT 6-1/2" THICK SLAB AND ¾" DIA. HEADED STUDS x 7-1/2" LONG AT 9" THICK SLAB U.N.O. PROVIDE ADDITIONAL STUDS SO THAT THE MAXIMUM INSTALLED SPACING DOES NOT EXCEED 24" REGARDLESS OF QUANTITY INDICATED.
9. W18X35 (16) – A SINGLE NUMBER GIVEN WITH A BEAM SIZE INDICATES TOTAL NUMBER OF STUDS EVENLY SPACED ALONG THE BEAM OR GIRDER. WHERE BEAMS FRAME PERPENDICULAR, SPACE QUANTITY OF STUDS INDICATED BETWEEN INTERSECTING PURLINS/COLUMNS EVENLY OVER THAT LENGTH.
10. INSTALL COMPOSITE SHEAR STUD CONNECTORS WITH 1" MINIMUM LATERAL CONCRETE COVER. INSTALL STUDS WITH 2" MINIMUM LATERAL COVER AT DECK MID-HEIGHT IN THE LOAD DIRECTION (TOWARD MID-SPAN OF THE BEAM) WHEN PLACED IN METAL DECK RIBS ORIENTED PERPENDICULAR TO THE BEAM.
11. SCHEDULE ERECTION SEQUENCE AND/OR PROVIDE ADDITIONAL TEMPORARY VERTICAL BRACING SO THAT ALL PORTIONS OF THE STRUCTURAL FRAME ARE BRACED FOR LATERAL LOADS. HORIZONTAL DECK DIAPHRAGMS ARE TO BE COMPLETED BETWEEN STABILIZING BRACES PRIOR TO CONCRETE PLACEMENT.
12. ROOF AND FLOOR DECK IS TO BE CONTINUOUSLY SUPPORTED AT EACH END OF DECK SPANS. PROVIDE ADDITIONAL L3X3X1/4 DECK SUPPORT ANGLES WHERE REQUIRED.
13. ALL FRAMING CONNECTIONS, GROUTING OF COLUMN BASE PLATES, AND INSPECTIONS ARE TO BE COMPLETED PRIOR TO CASTING SLAB.
14. PURLINS AND GIRDERS ARE UNSHORED DURING CONCRETE SLAB PLACEMENT.
15. CONTRACTOR IS RESPONSIBLE TO PROVIDE A FINISHED SLAB EDGE WHICH IS STRAIGHT AND TRUE AND ACCURATELY LOCATED RELATIVE TO FINISH WALL LINES. GAGES SHOWN FOR CLOSURE ANGLES ARE THE MINIMUM REQUIRED. HEAVIER GAGE, STRAPS AND/OR A RETURN LIP AT TOP OF ANGLE MAY BE USED AT CONTRACTORS OPTION. FASTEN CLOSURE ANGLES TO DECK/BEAM AT 12" MAX. O.C. OR AS REQUIRED TO PREVENT TORSIONAL DEFLECTION OF ANGLE.
16. ALL ANGLES, GIRTS AND OTHER MEMBERS SUPPORTING THE BUILDING FACADE, ARCHITECTURAL WALLS OF MASONRY OR GLASS ARE CONSIDERED "ADJUSTABLE ITEMS" AND ARE TO BE LOCATED WITHIN 3/8" OF THEIR DESIGN VERTICAL AND HORIZONTAL LOCATION RELATIVE TO THE ESTABLISHED FINISH WALL LINE, FINISH FLOOR LINE, AND MASONRY COURSING.

SHEET LIST

SHEET NUMBER	SHEET NAME
S001	GENERAL STRUCTURAL NOTES
S002	TYPICAL DETAILS
S003	TYPICAL DETAILS
S100	LEVEL 00/01 - FOUNDATION PLAN
S102	LEVEL 02 - STRUCTURAL PLAN
S103	LEVEL 03 - STRUCTURAL PLAN
S104	LEVEL 04 - STRUCTURAL PLAN
S105	LEVEL 05 - STRUCTURAL PLAN
S106	ROOF - STRUCTURAL PLAN
S113	TYPICAL LEVEL - LOADING DIAGRAM
S116	ROOF LEVEL - LOADING DIAGRAM
S211	BRACING ELEVATIONS AND DETAILS
S301	FOUNDATION DETAILS
S302	FOUNDATION DETAILS
S401	FRAMING DETAILS
S402	FRAMING DETAILS
S403	FRAMING DETAILS
S501	SHEAR WALL DIAGRAMS
S502	SHEAR WALL SCHEDULES
S503	COLD FORMED FRAMING DETAILS
S601	COLUMN SCHEDULE AND DETAILS

ABBREVIATIONS:

A.B.	ANCHOR BOLT	MATL	MATERIAL
ACI	AMERICAN CONCRETE INSTITUTE	MAX	MAXIMUM
ADDL	ADDITIONAL	MECH	MECHANICAL
ADJ	ADJACENT	MFGR	MANUFACTURER
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MIN	MINIMUM
ALT	ALTERNATE	MISC	MISCELLANEOUS
ALUM	ALUMINUM		
ARCH	ARCHITECT	N.F.	NEAR FACE
		NO	NUMBER
B.L.	BUILDING LINE		
BLDG	BUILDING	O.C.	ON CENTER
BM(S)	BEAM(S)	O.F.	OUTSIDE FACE
BTWN	BETWEEN	OPNG	OPENING
C.L.	CENTER LINE	P.C.	PRECAST
C.J.	CONSTRUCTION OR CONTROL JOINT	P.L.	PROPERTY LINE
CLR	CLEAR	P.T.	POST TENSIONING
COL	COLUMN	PED	PEDESTAL
CONC	CONCRETE	PERP	PERPENDICULAR
CONN	CONNECTION	PL	PLATE
CONT	CONTINUOUS	PLF	POUNDS PER LINEAR FOOT
		PSF	POUNDS PER SQUARE FOOT
D.B.	DECK BEARING	PSI	POUNDS PER SQUARE INCH
DET	DETAIL		
DWG(S)	DRAWING(S)	R	RADIUS
		R.D.	ROOF DRAIN
E.E.	EACH END	R.J.	RUSTICATION JOINT
E.F.	EACH FACE	REINF	REINFORCED OR REINFORCEMENT
E.S.	EACH SIDE		
E.W.	EACH WAY	SECT	SECTION
E.J.	EXPANSION JOINT	SHT	SHEET
ELEV	ELEVATION OR ELEVATOR	SIM	SIMILAR
EMBED	EMBEDMENT	S.O.G.	SLAB ON GRADE
ENGR	ENGINEER	SPECS	SPECIFICATIONS
EQ	EQUAL	SQ	SQUARE
EXIST	EXISTING	STL	STEEL
F.F.	FAR FACE	T&B	TOP AND BOTTOM
FNDN	FOUNDATION	T/CONC	TOP OF CONCRETE
FL	FLOOR	T/FTG	TOP OF FOOTING
FT	FOOT OR FEET	T/STL	TOP OF STEEL
FTG	FOOTING	T/SLAB	TOP OF SLAB
		TEMP	TEMPERATURE
GALV	GALVANIZED	t	THICKNESS
		TYP	TYPICAL
H.P.	HIGH POINT		
HORIZ	HORIZONTAL	U.N.O.	UNLESS NOTED OTHERWISE
I.F.	INSIDE FACE	VERT	VERTICAL
IN	INCHES	V.B.	VERTICAL BRACE
JT	JOINT	W.P.	WORK POINT
		#	NUMBER
K	KIP (1000 POUNDS)	f'c	SPECIFIED CONPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS
L	ANGLE		
L.P.	LOW POINT		
LLH	LONG LEG HORIZONTAL		
LLV	LONG LEG VERTICAL		

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

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DRAWING TITLE:
GENERAL STRUCTURAL NOTES

JANUARY 30, 2020
DRAWN BY: **MRB** CHECKED BY: **BCS**
18305.00

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED PROFESSIONAL ENGINEER
1/30/2020

S001

BID & PERMIT SUBMITTAL

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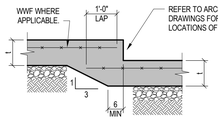
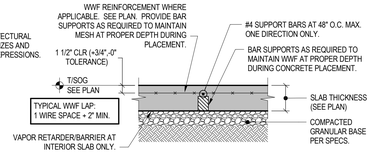
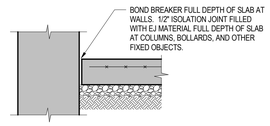


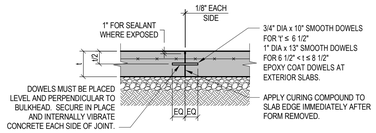
S.O.G. DEPRESSION



TYPICAL S.O.G.

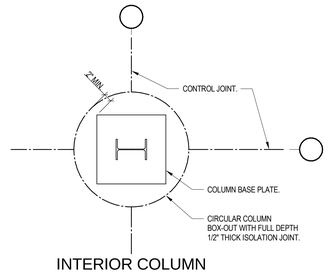


ISOLATION JOINT AT WALLS AND COLUMNS

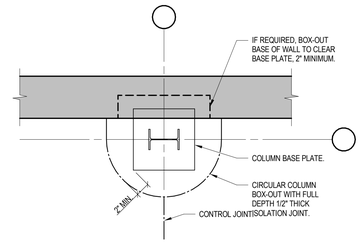


DOWELED CONSTRUCTION JOINT

WITH ENGINEER'S APPROVAL ROUND DOWELS MAY BE REPLACED WITH PROPRIETARY SQUARE OR PLATE DOWELS. SUBMIT PRODUCT DATA FOR APPROVAL.)



INTERIOR COLUMN

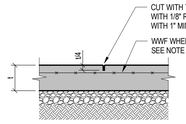


PERIMETER COLUMN

SLAB ON GRADE ISOLATION

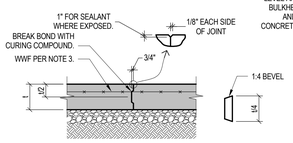
SAWED CONTROL JOINT

(APPLIES TO INTERIOR SLABS UNLESS NOTED OTHERWISE)



TOOLED CONTROL JOINT

(APPLIES TO EXTERIOR SLABS UNLESS NOTED OTHERWISE. ALTERNATIVELY USE SAW-CUT JOINT WITH PRIOR APPROVAL)

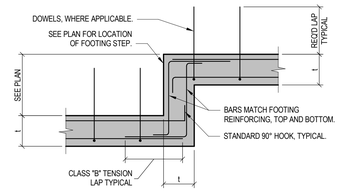


KEYED CONSTRUCTION JOINT

(APPLIES TO SLABS REINFORCED WITH WWF)

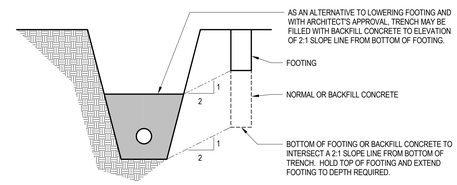
NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR JOINTS AT EXTERIOR PAVEMENTS.
2. PROVIDE CONTROL (OR CONSTRUCTION) JOINTS AT ALL COLUMN LINES. ADDITIONALLY PROVIDE CONTROL JOINTS AT MAXIMUM SPACING OF 10'-0" EACH WAY UNLESS OTHERWISE NOTED. ALIGN CONTROL JOINTS WITH RE-ENTRANT CORNERS WHEREVER POSSIBLE. CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO ARCHITECT FOR REVIEW.
3. CUT OUT 4" LENGTH OF EVERY OTHER WIRE AT ALL LOCATIONS WHERE WWF CROSSES CONTROL JOINTS AND KEYED CONSTRUCTION JOINTS.
4. WHERE APPLICABLE, CONTROL AND CONSTRUCTION JOINTS SHALL BE ALIGNED WITH TILE JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
5. REFER TO SPECIFICATIONS FOR GRANULAR BASE AND VAPOR RETARDER/BARRIER REQUIREMENTS.

SLAB ON GRADE DETAILS

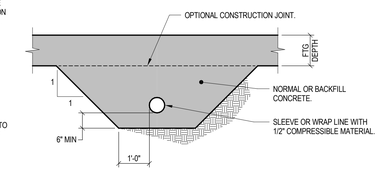


TYPICAL FOOTING STEP IN ROCK
(8 KSF OR GREATER BEARING MATERIAL)

TYPICAL FOOTING STEPS

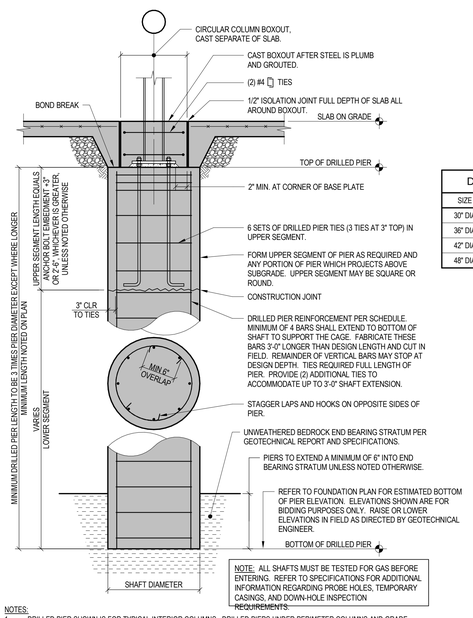


PARALLEL WITH FOOTING



PERPENDICULAR TO FOOTING

MECHANICAL LINES ADJACENT TO FOOTINGS

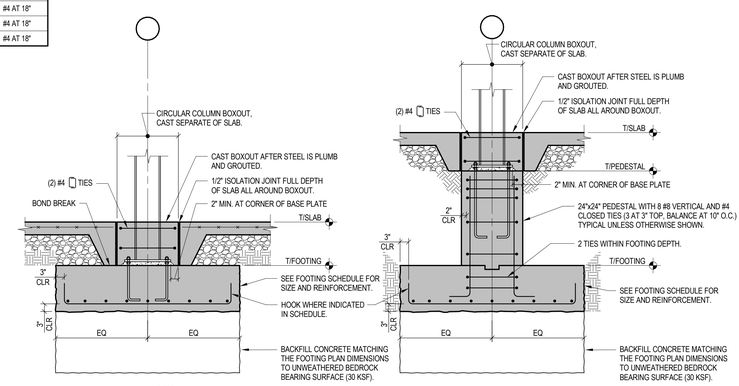


NOTE: ALL SHAFTS MUST BE TESTED FOR GAS BEFORE ENTERING. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING PROBE HOLES, TEMPORARY CASINGS, AND DOWN-HOLE INSPECTION REQUIREMENTS.

NOTES:
1. DRILLED PIER SHOWN IS FOR TYPICAL INTERIOR COLUMNS. DRILLED PIERS UNDER PERIMETER COLUMNS AND GRADE BEAMS, ETC., ARE SIMILAR.
2. REFER TO FOUNDATION DETAILS FOR INFORMATION AT TOP OF PIERS AT OTHER THAN INTERIOR COLUMN LOCATIONS.
3. CENTER DRILLED PIERS BELOW COLUMNS UNLESS NOTED OTHERWISE.

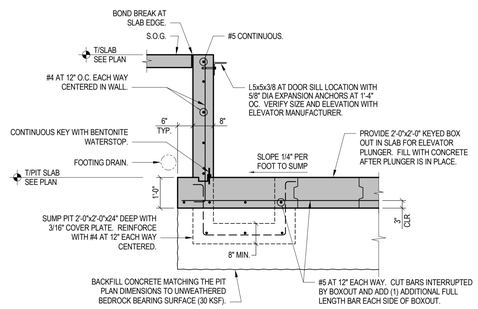
TYPICAL STEEL COLUMN/DRILLED PIER

DRILLED PIER SCHEDULE		
SIZE	VERTICAL BARS	TIES
30" DIA	(6) #7	#4 AT 14"
36" DIA	(6) #9	#4 AT 18"
42" DIA	(8) #9	#4 AT 18"
48" DIA	(10) #9	#4 AT 18"

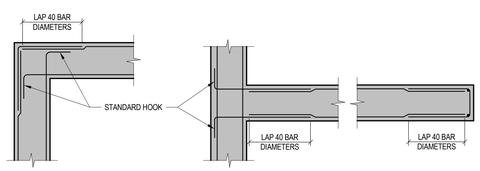


NOTES:
1. BEARING SURFACES TO BE APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO CONCRETING (TYPICAL).
2. FOOTING STEEL AND CONCRETE SHALL BE PLACED THE SAME DAY AS THE FINAL FOOTING EXCAVATION IS MADE.
3. PLACE FOOTING NEAT IF SIDES STAND VERTICAL. OTHERWISE FORM FOOTINGS.

TYPICAL STEEL COLUMN FOOTING

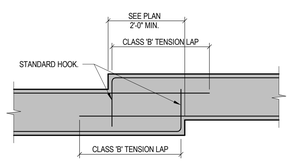


TYPICAL ELEVATOR PIT



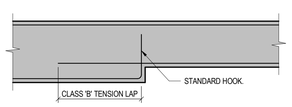
NOTES:
1. CORNER, HOOK, AND U-BARS MATCH HORZONTAL REINFORCEMENT IN SIZE AND SPACING.
2. FOR SINGLE LAYER WALLS USE SINGLE BARS AS SHOWN.

TYPICAL BARS AT WALL AND FOOTING CORNERS AND INTERSECTIONS



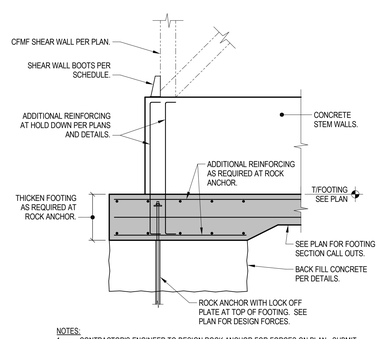
PLAN
NOTE: VERTICAL BARS NOT SHOWN

WALL OFFSET



PLAN
NOTE: VERTICAL BARS NOT SHOWN

CHANGE IN WALL THICKNESS



NOTES:
1. CONTRACTOR'S ENGINEER TO DESIGN ROCK ANCHOR FOR FORCES ON PLAN. SUBMIT STAMPED CALCULATIONS FOR REVIEW.
2. ADDITIONAL FOOTING THICKNESS TO BE DETERMINED BY CONTRACTOR'S ENGINEER.
3. ADDITIONAL TOP AND BOTTOM REINFORCING TO BE DESIGNED BY CONTRACTOR'S ENGINEER.

ROCK ANCHOR

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
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PHONE: (859) 957-1277
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THP Cincinnati • Cleveland
THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:

TYPICAL DETAILS

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED PROFESSIONAL ENGINEER
1/31/2020

JANUARY 30, 2020
DRAWN BY: MRB CHECKED BY: BCS
18305.00

S002

BID & PERMIT SUBMITTAL

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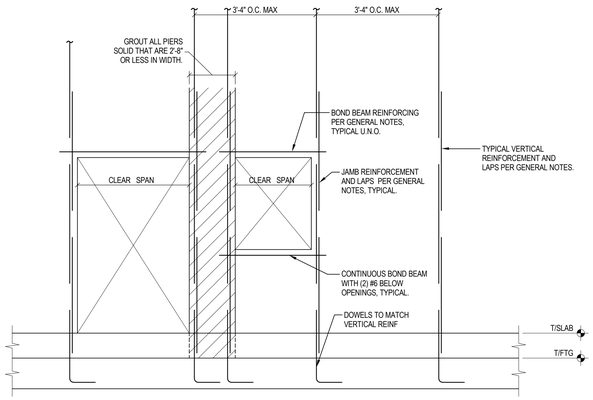
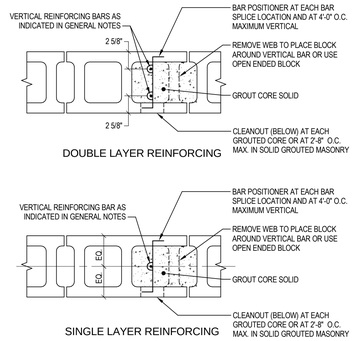
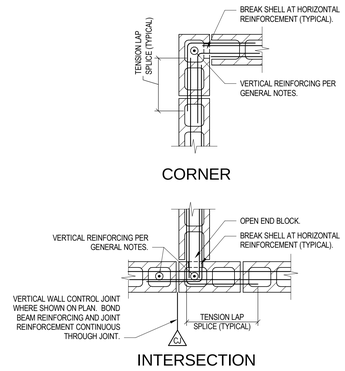


TYPICAL CMU WALL REINFORCING

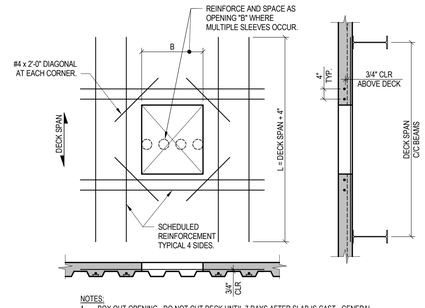


NOTE: LAP SPLICE ALL REINFORCING PER GENERAL NOTES, U.N.O. ALTERNATIVELY, USE MECHANICAL CONNECTORS FOR REINFORCING BARS WHICH DEVELOP 125% OF YIELD STRENGTH OF BARS IN TENSION. SUBMIT MECHANICAL CONNECTORS, IF USED, FOR ENGINEER REVIEW.

REINFORCING IN MASONRY

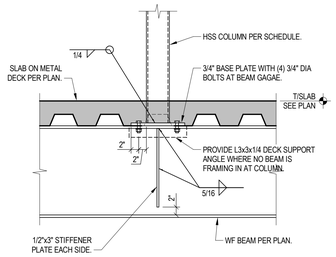


TYPICAL BARS AT CMU WALL CORNERS AND INTERSECTIONS

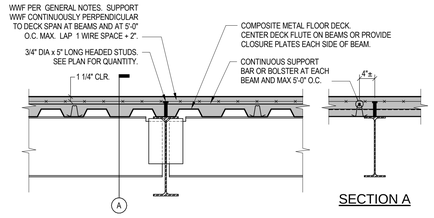


NOTES:
1. BOX OUT OPENING. DO NOT CUT DECK UNTIL 7 DAYS AFTER SLAB IS CAST. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING PLACEMENT OF REINFORCEMENT AND CUTTING OF DECK BY OTHER TRADES.
2. ROUGH OPENING SIZE EQUALS DUCT SIZE PLUS 2". REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
3. "B" = OPENING LENGTH PERPENDICULAR TO SLAB SPAN OR DIAMETER FOR SLEEVES. MAXIMUM "B" IS 3'-0". NO LENGTH RESTRICTIONS PARALLEL TO DECK SPAN.
4. MINIMUM CLEAR SPACING BETWEEN OPENINGS PERPENDICULAR TO DECK SPAN IS 2 x "B".
5. REINFORCEMENT:
   B = 25" TO 36", USE 3 #5 EACH SIDE.
   B = 13" TO 24", USE 2 #5 EACH SIDE.
   B = 6" TO 12", USE 1 #5 EACH SIDE.
   B = LESS THAN 6", NO REINFORCING REQUIRED.
   BAR LENGTH PARALLEL TO DECK SPAN EQUALS DECK SPAN "L" + 4".
   BAR LENGTH PERPENDICULAR TO DECK SPAN EQUALS OPENING + 4'-0".
   PLACE PARALLEL BAR IN BOTTOM OF FLUTE WITH 3/4" CHAIRS.
6. A CLUSTER OF OPENINGS THAT ARE SPACED AT NO LESS THAN 1'-0" CLEAR SHALL BE TREATED AS ONE LARGE OPENING FOR DETAILING OF REINFORCEMENT, EXCEPT ADD 1 #5 BETWEEN INDIVIDUAL OPENINGS AT LENGTHS NOTED ABOVE.

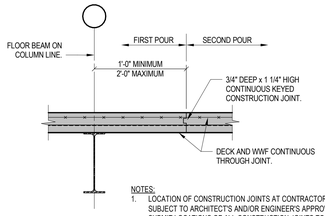
ISOLATED SLAB OPENING AT 6-1/2" SLAB ON METAL DECK (MD1)



COLUMN SUPPORTED ON BEAM

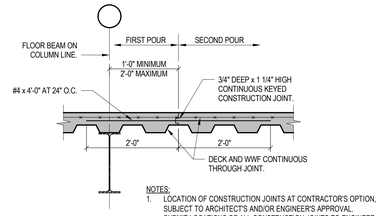


TYPICAL 6 1/2" SUPPORTED SLAB ON METAL DECK (MD1)



NOTES:
1. LOCATION OF CONSTRUCTION JOINTS AT CONTRACTOR'S OPTION, SUBJECT TO ARCHITECT'S AND/OR ENGINEER'S APPROVAL. SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS TO ENGINEER FOR REVIEW AND ACCEPTANCE BEFORE FORMING.
2. SIZE AND LENGTH OF SLAB POURS NOT TO EXCEED CRITERIA IN "GENERAL STRUCTURAL NOTES."

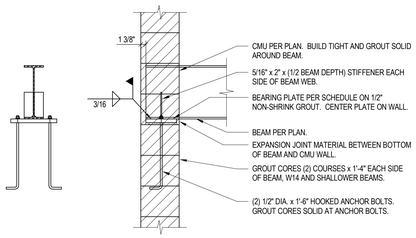
SLAB CONSTRUCTION JOINT (PERPENDICULAR)



NOTES:
1. LOCATION OF CONSTRUCTION JOINTS AT CONTRACTOR'S OPTION, SUBJECT TO ARCHITECT'S AND/OR ENGINEER'S APPROVAL. SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS TO ENGINEER FOR REVIEW AND ACCEPTANCE BEFORE FORMING.
2. SIZE AND LENGTH OF SLAB POURS NOT TO EXCEED CRITERIA IN "GENERAL STRUCTURAL NOTES."

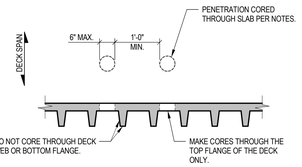
SLAB CONSTRUCTION JOINT (PARALLEL)

BEAM BEARING PLATE SCHEDULE	
BEAM SIZE	BEARING PLATE
W12	1"x5"x12"
W14	1"x5"x12"



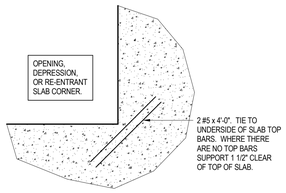
BEAM PERPENDICULAR TO WALL

TYPICAL STEEL BEAM BEARING ON CMU



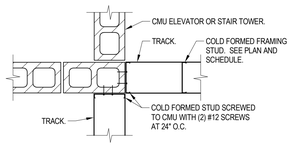
NOTES:
1. DO NOT CORE DECK UNTIL 7 DAYS AFTER SLAB IS CAST. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING CORING OF DECK BY OTHER TRADES.
2. MAXIMUM CORE DIAMETER EQUALS 6". REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
3. MINIMUM CLEAR SPACING BETWEEN CORES PERPENDICULAR TO DECK SPAN IS 12".
4. CLUSTERS OF SMALL CORES SHALL BE TREATED AS ONE LARGE OPENING AND SHALL MEET SIZE AND SPACING CRITERIA NOTED ABOVE.
5. CORES SHALL BE MADE THROUGH THE TOP FLANGE OF THE DECK SECTION ONLY. DO NOT CORE THROUGH THE DECK WEBS OR BOTTOM FLANGES UNLESS ADDITIONAL REINFORCEMENT IS PROVIDED.
6. LOCATE CORES IN THE END 1/3 OF THE DECK SPAN. DO NOT LOCATE IN CENTER 1/3 WITHOUT APPROVAL FROM THE STRUCTURAL ENGINEER.
7. NOTIFY THE STRUCTURAL ENGINEER OF ANY PLANNED CORES THAT DO NOT MEET THE ABOVE CRITERIA.

DEEP DECK SLAB PENETRATION (MD2 / MD3)

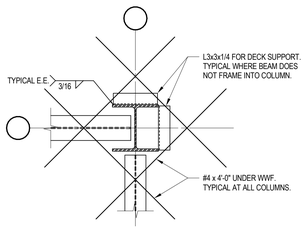


NOTE: DETAIL APPLIES AT BOTH ELEVATED AND SLABS ON GRADE.

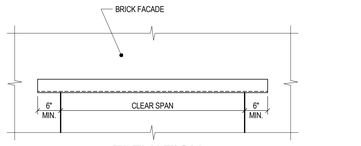
TYPICAL BARS AT SLAB CORNER



COLD FORMED INTERSECTION WITH CMU



SLAB AT COLUMN



ELEVATION

HOT DIP GALVANIZE LINTEL PER PROJECT SPECIFICATIONS

CLEAR SPAN	
UP TO 4'-0"	4'-0" TO 8'-0"
L3 1/2x3 1/2x5/16	L5x3 1/2x5/16 (LLV)

TYPICAL LOOSE LINTEL DETAIL AND SCHEDULE

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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THP Cincinnati • Cleveland
THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
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DRAWING TITLE:
TYPICAL DETAILS

JANUARY 30, 2020
DRAWN BY: MRB | CHECKED BY: BCS
18305.00

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED
PROFESSIONAL ENGINEER
1/31/2020

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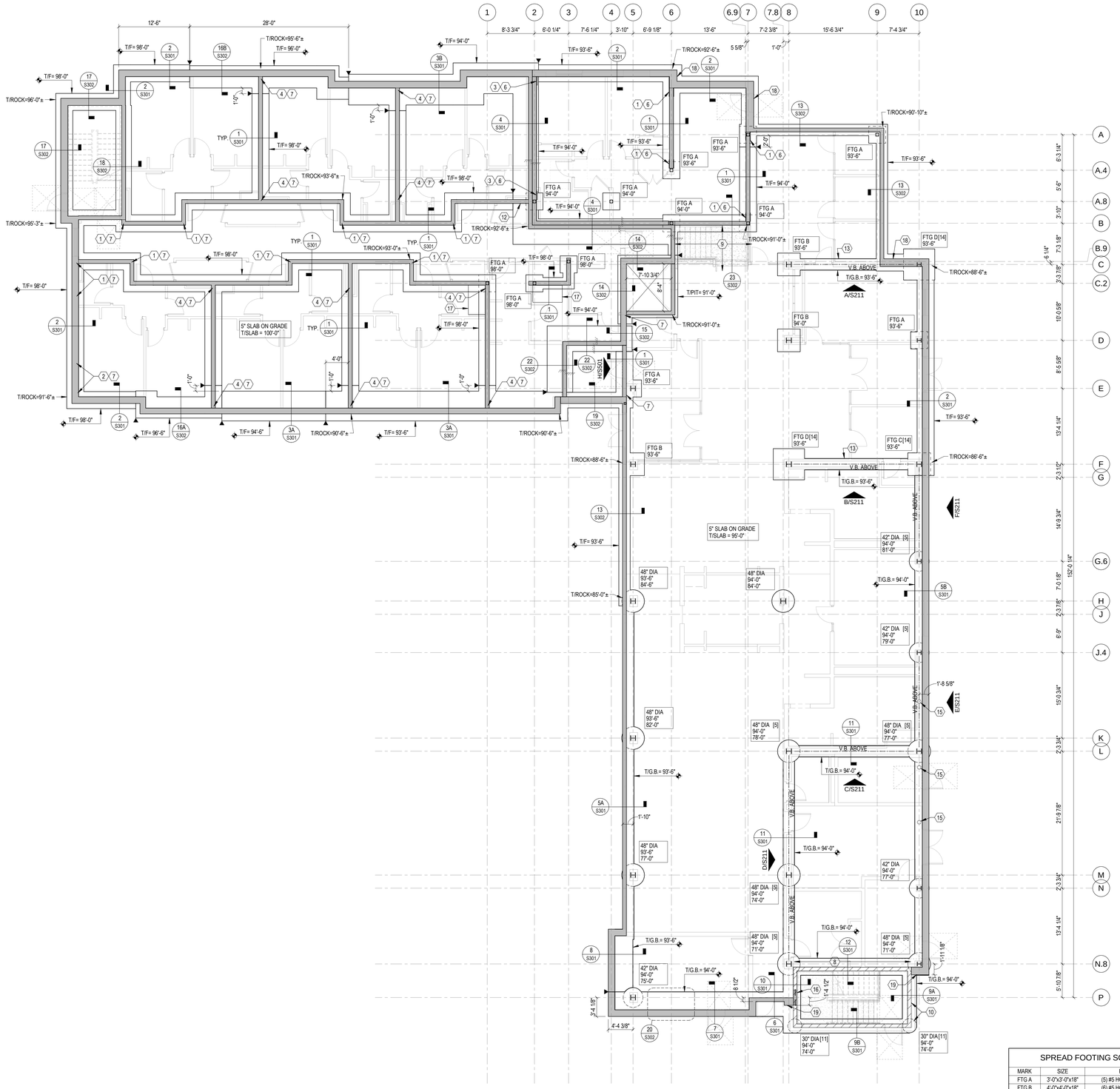

FOUNDATION PLAN LEGEND:

- FOOTING MARK, SEE SCHEDULE
  - FTG X [X] — INDICATES FOUNDATION PLAN KEY NOTE
  - XXX'-XX" — TOP OF FOOTING ELEVATION
  - XXX'-XX" — TOP OF PEDESTAL ELEVATION
- DRILLED PIER, SEE SCHEDULE
  - XX" DIA [X] — INDICATES FOUNDATION PLAN KEY NOTE
  - XXX'-XX" — TOP OF DRILLED PIER ELEVATION
  - XXX'-XX" — APPROXIMATE PIER TIP ELEVATION
- SLAB STEP
- FOOTING STEP
- WALL CONTROL JOINT
- T/F=XXX'-XX" — INDICATES TOP OF FOOTING ELEVATION
- T/G.B.=XXX'-XX" — INDICATES TOP OF GRADE BEAM ELEVATION
- T/ROCK=XXX'-XX" — APPROXIMATE TOP OF UNWEATHERED BEDROCK (30 KSF) AND BEARING ELEVATION FOR BACKFILL CONCRETE BELOW FOUNDATIONS. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFO. ASSUME A CONSTANT CHANGE IN T/ROCK ELEVATION BETWEEN THOSE POINTS INDICATED.

SPREAD FOOTING SCHEDULE

MARK	SIZE	REINFORCING
FTG A	3'-0"x3'-0"x18"	(5) #5 HOOKED E.W. BOTTOM
FTG B	4'-0"x4'-0"x18"	(6) #5 HOOKED E.W. BOTTOM
FTG C	4'-0"x4'-0"x20"	(6) #5 HOOKED E.W. TOP AND BOTTOM
FTG D	5'-6"x5'-6"x20"	(9) #5 HOOKED E.W. TOP AND BOTTOM

1 / S100 LEVEL 1 FOUNDATION PLAN

1/8" = 1'-0"

NORTH

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S211 FOR BRACING ELEVATIONS.
5. REFER TO S300 SERIES FOR FOUNDATIONS DETAILS.
6. REFER TO S400 SERIES FOR FRAMING DETAILS.
7. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
8. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
10. DATUM ELEVATION 100'-0" = 821.70'

FOUNDATION PLAN KEY NOTES:

1. CONTRACTOR TO DESIGN ROCK ANCHOR FROM FOUNDATION INTO ROCK BELOW. DESIGN FOR 45K (SERVICE LOAD).
2. CONTRACTOR TO DESIGN ROCK ANCHOR FROM FOUNDATION INTO ROCK BELOW. DESIGN FOR 40K (SERVICE LOAD).
3. CONTRACTOR TO DESIGN ROCK ANCHOR FROM FOUNDATION INTO ROCK BELOW. DESIGN FOR 35K (SERVICE LOAD).
4. CONTRACTOR TO DESIGN ROCK ANCHOR FROM FOUNDATION INTO ROCK BELOW. DESIGN FOR 25K (SERVICE LOAD).
5. SOCKET DRILLED PIER 4'-0" INTO UNWEATHERED BEDROCK.
6. COLD FORMED SHEAR WALL HOLD DOWN PER DETAIL 25/S402. SEE PLAN DETAIL 21/S302 FOR THICKENED PORTION OF STEM WALL REQUIRED.
7. PROVIDE (4) #7 BARS HOOKED 90 DEG AT TOP OF FOUNDATION WALL AND BOTTOM OF FOOTING AT SHEAR WALL HOLD DOWN LOCATIONS. SPACE BARS AT 5 1/2", SIMILAR TO DETAIL 25/S402.
8. 8" MASONRY SHEAR WALL GROUTED SOLID BETWEEN FOUNDATION AND LEVEL 02 WITH #5 AT 16" O.C. AND (3) #9 BARS AT EACH END PER SECTION 33/S403.
9. THICKEN SLAB TO 8" THICK AND PROVIDE #4 AT 12" O.C. EACH WAY BELOW STAIR.
10. PROVIDE (2) #6 AT DOOR JAMBS. SEE GENERAL NOTES.
11. PIERS TO BE CENTERED ON INTERSECTION OF WALL CENTERLINES.
12. EXTEND WALL DOWN TO TOP OF LOWER FOOTING.
13. 24" WIDE x 20" TALL GRADE BEAM WITH (3) #7 TOP AND BOTTOM, AND #4 CLOSED STIRRUPS AT 16" O.C. EXTEND #7 BARS TO FARSIDE OF FOOTING EACH END.
14. PROVIDE (8) #8 x 8'-0" VERTICAL BARS BETWEEN FOOTING AND BACKFILL CONCRETE BELOW FOOTING. HOOK BARS AT TOP OF FOOTING.
15. MAXIMUM 8" DIA. VERTICAL SLEEVE THROUGH GRADE BEAM FOR MEP PIPING. COORDINATE EXACT SIZE AND LOCATION WITH MEP DRAWINGS. PLACE SLEEVE SO GRADE BEAM STEEL IS NOT AFFECTED.
16. PROVIDE 4'-0" GROUTED SOLID CMU PILASTER BELOW SPREADER BEAM TO TOP OF FOUNDATIONS WITH (1) #5 PER CORE. CENTER PILASTER UNDER SPREADER (GRILLER) BEAM PER DETAIL 39/S403.
17. SLAB ON GRADE DEPRESSION. SEE TYPICAL DETAIL ON S002. COORDINATE EXACT SIZE AND LOCATION WITH ARCH. DRAWINGS.
18. FOUNDATION DETAIL SIMILAR TO SECTION 2/S301, BUT WIDEN CONCRETE WALL TO 16" WIDE.
19. THICKEN WALL TO SUPPORT MASONRY FACADE.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
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PHONE: (859) 957-1277
FAX: (859) 957-1280

THP Cincinnati • Cleveland
THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:

LEVEL 00/01 - FOUNDATION PLAN

JANUARY 30, 2020

DRAWN BY: MRB | CHECKED BY: BCS

18305.00

STATE OF KENTUCKY — BRAD C. SAALFELD — 26869 — LICENSED PROFESSIONAL ENGINEER

1/30/2020

S100

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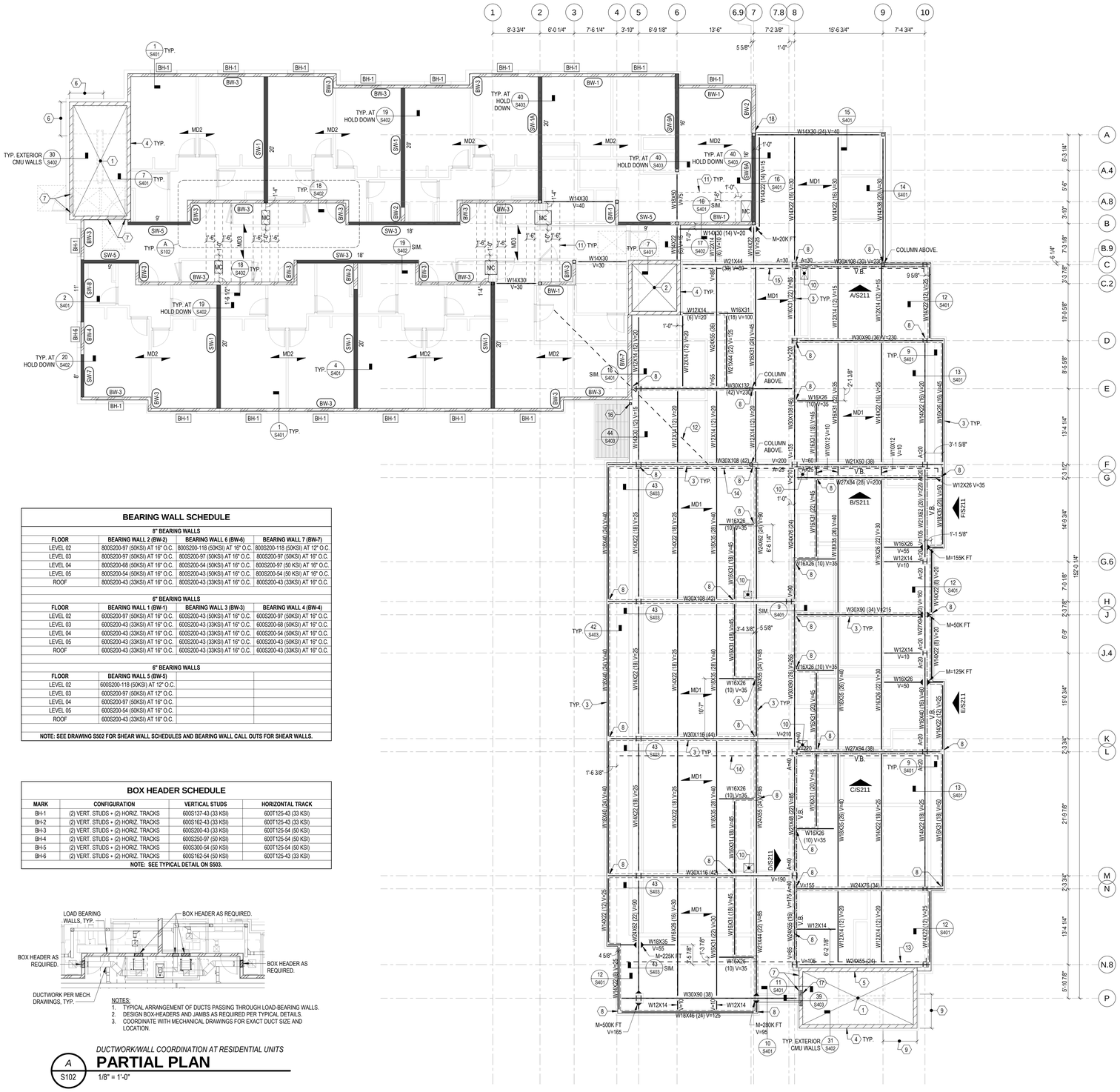

BEARING WALL SCHEDULE

FLOOR	BEARING WALL 2 (BW-2)	BEARING WALL 6 (BW-6)	BEARING WALL 7 (BW-7)
8" BEARING WALLS			
LEVEL 02	800S200-97 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 12" O.C.
LEVEL 03	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.
LEVEL 04	800S200-68 (50KSI) AT 16" O.C.	800S200-54 (50KSI) AT 16" O.C.	800S200-97 (50 KSI) AT 16" O.C.
LEVEL 05	800S200-54 (50KSI) AT 16" O.C.	800S200-43 (50KSI) AT 16" O.C.	800S200-54 (50 KSI) AT 16" O.C.
ROOF	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	**BEARING WALL 1 (BW-1)**	**BEARING WALL 3 (BW-3)**	**BEARING WALL 4 (BW-4)**
LEVEL 02	600S200-97 (50KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.	600S200-97 (50KSI) AT 16" O.C.
LEVEL 03	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-68 (50KSI) AT 16" O.C.
LEVEL 04	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-54 (50KSI) AT 16" O.C.
LEVEL 05	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.
ROOF	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	**BEARING WALL 5 (BW-5)**		
LEVEL 02	600S200-118 (50KSI) AT 12" O.C.		
LEVEL 03	600S200-97 (50KSI) AT 12" O.C.		
LEVEL 04	600S200-97 (50KSI) AT 16" O.C.		
LEVEL 05	600S200-54 (50KSI) AT 16" O.C.		
ROOF	600S200-43 (33KSI) AT 16" O.C.		

NOTE: SEE DRAWING S502 FOR SHEAR WALL SCHEDULES AND BEARING WALL CALL OUTS FOR SHEAR WALLS.

BOX HEADER SCHEDULE

MARK	CONFIGURATION	VERTICAL STUDS	HORIZONTAL TRACK
BH-1	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S137-43 (33 KSI)	600T125-43 (33 KSI)
BH-2	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-43 (33 KSI)	600T125-43 (33 KSI)
BH-3	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S200-43 (33 KSI)	600T125-54 (50 KSI)
BH-4	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S250-97 (50 KSI)	600T125-54 (50 KSI)
BH-5	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S300-54 (50 KSI)	600T125-54 (50 KSI)
BH-6	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-54 (50 KSI)	600T125-43 (33 KSI)

NOTE: SEE TYPICAL DETAIL ON S503.

NOTES:
1. TYPICAL ARRANGEMENT OF DUCTS PASSING THROUGH LOAD-BEARING WALLS.
2. DESIGN BOX-HEADERS AND JAMBS AS REQUIRED PER TYPICAL DETAILS.
3. COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT DUCT SIZE AND LOCATION.

DUCTWORK/WALL COORDINATION AT RESIDENTIAL UNITS

A / S102 **PARTIAL PLAN**

1/8" = 1'-0"

T/SLAB = 121'-4" U.N.O.

1 / S102 **LEVEL 02 STRUCTURAL PLAN**

1/8" = 1'-0"

NORTH

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S211 FOR BRACING ELEVATIONS.
5. REFER TO S400 SERIES FOR FRAMING DETAILS.
6. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
7. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
8. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
9. DATUM ELEVATION 100'-0" = 821.70'

KEY NOTES:

1. STAIR AND LANDINGS BY STAIR CONTRACTOR.
2. ELEVATOR SHAFT.
3. LOAD BEARING CFMF WALL ABOVE. COORDINATE WITH ARCH. DRAWINGS TO ENSURE THAT STEEL BEAM IS CENTERED UNDER WALL.
4. 8" MASONRY WALL. REINFORCE WITH #5 AT 48" O.C. VERTICAL REINFORCEMENT. GROUT REINFORCEMENT CELLS SOLID. PROVIDE (3) #8 BARS AT CORNERS. SIMILAR TO DETAIL 33/S403.
5. MASONRY SHEAR WALL BELOW LEVEL 02. SEE SECTION 46/S403.
6. PROVIDE #5 AT 32" O.C. WITHIN 6'-0" OF END OF WALL WHERE NOTED.
7. PROVIDE (2) #6 AT DOOR JAMBS. SEE GENERAL NOTES.
8. EMBED PLATE AT END OF SHEAR WALL PER SECTION 8/S401. COORDINATE WITH CFMF CONTRACTOR.
9. PROVIDE #5 AT 24" O.C. WITHIN 6'-0" OF END OF WALL WHERE NOTED.
10. ISOLATED SLAB ON METAL DECK OPENING FOR DUCTWORK PER TYPICAL DETAIL ON DRAWING S003. COORDINATE EXACT SIZE AND LOCATION OF OPENING WITH ARCH. AND MECH. DRAWINGS.
11. SLAB BEAM INTEGRAL WITH SLAB ON METAL DECK AROUND ALL (4) SIDES OF OPENING PER SECTION 3/S401.
12. #7x40'-0" DIAGONAL BAR CENTERED ON INSIDE CORNER OF BUILDING.
13. #7x52'-0" WITH 90 DEGREE HOOK AT EAST SLAB EDGE ADJACENT TO CMU WALL.
14. #7x56'-0" WITH 90 DEGREE HOOK AT EAST SLAB EDGE CENTERED OVER BRACED FRAME BELOW.
15. #7x42'-0" WITH 90 DEGREE HOOK AT EAST SLAB EDGE CENTERED OVER BRACED FRAME BELOW.
16. HSS COLUMN TO SUPPORT ENTRANCE CANOPY PER SECTION 38/S403. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS.
17. PROVIDE 4'-0" GROUTED SOLID CMU PILASTER BELOW SPREADER BEAM TO TOP OF FOUNDATIONS WITH (1) #5 PER CORE. CENTER PILASTER UNDER SPREADER (GRILLER) BEAM PER DETAIL 39/S403.
18. ADJUST SHEAR WALL PLACEMENT (WHILE MAINTAINING SPECIFIED SHEAR WALL LENGTH) NORTH AS REQUIRED TO AVOID COLUMN PER SECTION 23/S402.

STRUCTURAL PLAN LEGEND:

- DIRECTION OF DECK SPAN
- [XXX'-XX"] INDICATES BEAM TOP OF STEEL ELEVATION U.N.O.
- SW_ / XX" INDICATES SHEAR WALL TYPE, SEE SCHEDULE AND MINIMUM LENGTH OF SHEAR WALL REQUIRED.
- BW_ INDICATES LOAD BEARING WALL TYPE, SEE SCHEDULE.
- BH_ INDICATES COLD FORMED FRAMING BOX HEADER OVER EXTERIOR WALL OPENING.
- MC MECHANICAL CHASE. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ARCHITECTURAL.
- MD1 4 1/2" NORMAL WEIGHT CONCRETE ON 2", 18 GA. COMPOSITE METAL FLOOR DECK (6 1/2" TOTAL).
- MD2 EPIC METALS WIDECK EDCP600A COMPOSITE ACOUSTICAL METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

  CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE ACOUSTICAL CELLULAR METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.
- MD3 EPIC METALS WIDECK EDC600 COMPOSITE METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

  CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

THP Cincinnati • Cleveland
THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thphd.com

DRAWING TITLE:

LEVEL 02 - STRUCTURAL PLAN

JANUARY 30, 2020

DRAWN BY: **MRB** CHECKED BY: **BCS**

18305.00

STATE OF KENTUCKY BRAD C. SAALFELD 26869 LICENSED PROFESSIONAL ENGINEER
1/31/2020

S102

BID & PERMIT SUBMITTAL

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BEARING WALL SCHEDULE

FLOOR	BEARING WALL 2 (BW-2)	BEARING WALL 6 (BW-6)	BEARING WALL 7 (BW-7)
8" BEARING WALLS			
LEVEL 02	800S200-97 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 12" O.C.
LEVEL 03	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.
LEVEL 04	800S200-68 (50KSI) AT 16" O.C.	800S200-54 (50KSI) AT 16" O.C.	800S200-97 (50 KSI) AT 16" O.C.
LEVEL 05	800S200-54 (50KSI) AT 16" O.C.	800S200-43 (50KSI) AT 16" O.C.	800S200-54 (50 KSI) AT 16" O.C.
ROOF	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	**BEARING WALL 1 (BW-1)**	**BEARING WALL 3 (BW-3)**	**BEARING WALL 4 (BW-4)**
LEVEL 02	600S200-97 (50KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.	600S200-97 (50KSI) AT 16" O.C.
LEVEL 03	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-68 (50KSI) AT 16" O.C.
LEVEL 04	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-54 (50KSI) AT 16" O.C.
LEVEL 05	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.
ROOF	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	**BEARING WALL 5 (BW-5)**		
LEVEL 02	600S200-118 (50KSI) AT 12" O.C.		
LEVEL 03	600S200-97 (50KSI) AT 12" O.C.		
LEVEL 04	600S200-97 (50KSI) AT 16" O.C.		
LEVEL 05	600S200-54 (50KSI) AT 16" O.C.		
ROOF	600S200-43 (33KSI) AT 16" O.C.		

NOTE: SEE DRAWING S502 FOR SHEAR WALL SCHEDULES AND BEARING WALL CALL OUTS FOR SHEAR WALLS.

BOX HEADER SCHEDULE

MARK	CONFIGURATION	VERTICAL STUDS	HORIZONTAL TRACK
BH-1	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S137-43 (33 KSI)	600T125-43 (33 KSI)
BH-2	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-43 (33 KSI)	600T125-43 (33 KSI)
BH-3	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S200-43 (33 KSI)	600T125-54 (50 KSI)
BH-4	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S250-97 (50 KSI)	600T125-54 (50 KSI)
BH-5	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S300-54 (50 KSI)	600T125-54 (50 KSI)
BH-6	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-54 (50 KSI)	600T125-43 (33 KSI)

NOTE: SEE TYPICAL DETAIL ON S503.

T/SLAB = 121'-4" U.N.O.

1 / S103 **LEVEL 03 STRUCTURAL PLAN**

1/8" = 1'-0"

NORTH

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S400 SERIES FOR FRAMING DETAILS.
5. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
6. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
8. DATUM ELEVATION 100'-0" = 821.70'

KEY NOTES:

1. STAIR AND LANDINGS BY STAIR CONTRACTOR.
2. ELEVATOR SHAFT.
3. SLAB BEAM INTEGRAL WITH SLAB ON METAL DECK AROUND ALL (4) SIDES OF OPENING PER SECTION 3/S401.
4. 8" MASONRY WALL. REINFORCE WITH #5 AT 48" O.C. VERTICAL REINFORCEMENT. GROUT REINFORCEMENT CELLS SOLID. PROVIDE (3) #8 BARS AT CORNERS. SIMILAR TO DETAIL 33/S403.
5. PROVIDE #5 AT 32" O.C. WITHIN 6'-0" OF END OF WALL WHERE NOTED.
6. PROVIDE (2) #6 AT DOOR JAMBS. SEE GENERAL NOTES.
7. PROVIDE #6 AT 4" O.C. IN TOP OF SLAB CONTINUOUS.
8. ADJUST SHEAR WALL PLACEMENT (WHILE MAINTAINING SPECIFIED SHEAR WALL LENGTH) NORTH AS REQUIRED TO AVOID COLUMN PER SECTION 23/S402.

STRUCTURAL PLAN LEGEND:

- DIRECTION OF DECK SPAN
- [XXX'-XX"] INDICATES BEAM TOP OF STEEL ELEVATION U.N.O.
- SW_ / XX' — INDICATES SHEAR WALL TYPE, SEE SCHEDULE AND MINIMUM LENGTH OF SHEAR WALL REQUIRED.
- BW_ — INDICATES LOAD BEARING WALL TYPE, SEE SCHEDULE.
- BH_ — INDICATES COLD FORMED FRAMING BOX HEADER OVER EXTERIOR WALL OPENING.
- MC — MECHANICAL CHASE. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ARCHITECTURAL.
- MD1 — 4 1/2" NORMAL WEIGHT CONCRETE ON 2", 18 GA. COMPOSITE METAL FLOOR DECK (6 1/2" TOTAL).
- MD2 — EPIC METALS WIDECK EDCP600A COMPOSITE ACOUSTICAL METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

  CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE ACOUSTICAL CELLULAR METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.
- MD3 — EPIC METALS WIDECK EDC600 COMPOSITE METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

  CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
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FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
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FAX: (859) 957-1280

THP Cincinnati • Cleveland
THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:

LEVEL 03 - STRUCTURAL PLAN

JANUARY 30, 2020

DRAWN BY: **MRB** CHECKED BY: **BCS**

18305.00

STATE OF KENTUCKY — BRAD C. SAALFELD — 26869 — LICENSED PROFESSIONAL ENGINEER

S103

BID & PERMIT SUBMITTAL

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BEARING WALL SCHEDULE

8" BEARING WALLS			
FLOOR	BEARING WALL 2 (BW-2)	BEARING WALL 6 (BW-6)	BEARING WALL 7 (BW-7)
LEVEL 02	800S200-97 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 12" O.C.
LEVEL 03	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.
LEVEL 04	800S200-68 (50KSI) AT 16" O.C.	800S200-54 (50KSI) AT 16" O.C.	800S200-97 (50 KSI) AT 16" O.C.
LEVEL 05	800S200-54 (50KSI) AT 16" O.C.	800S200-43 (50KSI) AT 16" O.C.	800S200-54 (50 KSI) AT 16" O.C.
ROOF	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	BEARING WALL 1 (BW-1)	BEARING WALL 3 (BW-3)	BEARING WALL 4 (BW-4)
LEVEL 02	600S200-97 (50KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.	600S200-97 (50KSI) AT 16" O.C.
LEVEL 03	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-68 (50KSI) AT 16" O.C.
LEVEL 04	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-54 (50KSI) AT 16" O.C.
LEVEL 05	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.
ROOF	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	BEARING WALL 5 (BW-5)		
LEVEL 02	600S200-118 (50KSI) AT 12" O.C.		
LEVEL 03	600S200-97 (50KSI) AT 12" O.C.		
LEVEL 04	600S200-97 (50KSI) AT 16" O.C.		
LEVEL 05	600S200-54 (50KSI) AT 16" O.C.		
ROOF	600S200-43 (33KSI) AT 16" O.C.		

NOTE: SEE DRAWING S502 FOR SHEAR WALL SCHEDULES AND BEARING WALL CALL OUTS FOR SHEAR WALLS.

BOX HEADER SCHEDULE

MARK	CONFIGURATION	VERTICAL STUDS	HORIZONTAL TRACK
BH-1	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S137-43 (33 KSI)	600T125-43 (33 KSI)
BH-2	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-43 (33 KSI)	600T125-43 (33 KSI)
BH-3	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S200-43 (33 KSI)	600T125-54 (50 KSI)
BH-4	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S250-97 (50 KSI)	600T125-54 (50 KSI)
BH-5	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S300-54 (50 KSI)	600T125-54 (50 KSI)
BH-6	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-54 (50 KSI)	600T125-43 (33 KSI)

NOTE: SEE TYPICAL DETAIL ON S503.

T/SLAB = 132'-0" U.N.O.

1 / S104 **LEVEL 04 STRUCTURAL PLAN**

1/8" = 1'-0"

NORTH

STRUCTURAL PLAN LEGEND:

- DIRECTION OF DECK SPAN
- [XXX'-XX"] INDICATES BEAM TOP OF STEEL ELEVATION U.N.O.
- SW / XX' — INDICATES SHEAR WALL TYPE, SEE SCHEDULE AND MINIMUM LENGTH OF SHEAR WALL REQUIRED.
- BW — INDICATES LOAD BEARING WALL TYPE, SEE SCHEDULE
- BH — INDICATES COLD FORMED FRAMING BOX HEADER OVER EXTERIOR WALL OPENING.
- MC — MECHANICAL CHASE. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ARCHITECTURAL.
- MD1 — 4 1/2" NORMAL WEIGHT CONCRETE ON 2", 18 GA. COMPOSITE METAL FLOOR DECK (6 1/2" TOTAL).
- MD2 — EPIC METALS WIDECK EDCP600A COMPOSITE ACOUSTICAL METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

  CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE ACOUSTICAL CELLULAR METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.
- MD3 — EPIC METALS WIDECK EDC600 COMPOSITE METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

  CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S400 SERIES FOR FRAMING DETAILS.
5. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
6. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
8. DATUM ELEVATION 100'-0" = 821.70'

KEY NOTES:

1. STAIR AND LANDINGS BY STAIR CONTRACTOR.
2. ELEVATOR SHAFT.
3. SLAB BEAM INTEGRAL WITH SLAB ON METAL DECK AROUND ALL (4) SIDES OF OPENING PER SECTION 3/S401.
4. 8" MASONRY WALL. REINFORCE WITH #5 AT 48" O.C. VERTICAL REINFORCEMENT. GROUT REINFORCEMENT CELLS SOLID. PROVIDE (3) #8 BARS AT CORNERS. SIMILAR TO DETAIL 33/S403.
5. PROVIDE #5 AT 32" O.C. WITHIN 6'-0" OF END OF WALL WHERE NOTED.
6. PROVIDE (2) #6 AT DOOR JAMBS. SEE GENERAL NOTES.
7. PROVIDE #6 AT 4" O.C. IN TOP OF SLAB CONTINUOUS.
8. ADJUST SHEAR WALL PLACEMENT (WHILE MAINTAINING SPECIFIED SHEAR WALL LENGTH) NORTH AS REQUIRED TO AVOID COLUMN PER SECTION 23/S402.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
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NORTHERN KENTUCKY UNIVERSITY

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PHONE: (859) 957-1277
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THP Limited, Inc.
100 East Eighth Sreet
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:

LEVEL 04 - STRUCTURAL PLAN

STATE OF KENTUCKY — BRAD C. SAALFELD — 26869 — LICENSED PROFESSIONAL ENGINEER
1/31/2020

JANUARY 30, 2020

DRAWN BY: MRB | CHECKED BY: BCS

18305.00

S104

BID & PERMIT SUBMITTAL

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BEARING WALL SCHEDULE

8" BEARING WALLS			
FLOOR	BEARING WALL 2 (BW-2)	BEARING WALL 6 (BW-6)	BEARING WALL 7 (BW-7)
LEVEL 02	800S200-97 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 12" O.C.
LEVEL 03	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.
LEVEL 04	800S200-68 (50KSI) AT 16" O.C.	800S200-54 (50KSI) AT 16" O.C.	800S200-97 (50 KSI) AT 16" O.C.
LEVEL 05	800S200-54 (50KSI) AT 16" O.C.	800S200-43 (50KSI) AT 16" O.C.	800S200-54 (50 KSI) AT 16" O.C.
ROOF	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	BEARING WALL 1 (BW-1)	BEARING WALL 3 (BW-3)	BEARING WALL 4 (BW-4)
LEVEL 02	600S200-97 (50KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.	600S200-97 (50KSI) AT 16" O.C.
LEVEL 03	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-68 (50KSI) AT 16" O.C.
LEVEL 04	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-54 (50KSI) AT 16" O.C.
LEVEL 05	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.
ROOF	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	BEARING WALL 5 (BW-5)		
LEVEL 02	600S200-118 (50KSI) AT 12" O.C.		
LEVEL 03	600S200-97 (50KSI) AT 12" O.C.		
LEVEL 04	600S200-97 (50KSI) AT 16" O.C.		
LEVEL 05	600S200-54 (50KSI) AT 16" O.C.		
ROOF	600S200-43 (33KSI) AT 16" O.C.		

NOTE: SEE DRAWING S502 FOR SHEAR WALL SCHEDULES AND BEARING WALL CALL OUTS FOR SHEAR WALLS.

BOX HEADER SCHEDULE

MARK	CONFIGURATION	VERTICAL STUDS	HORIZONTAL TRACK
BH-1	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S137-43 (33 KSI)	600T125-43 (33 KSI)
BH-2	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-43 (33 KSI)	600T125-43 (33 KSI)
BH-3	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S200-43 (33 KSI)	600T125-54 (50 KSI)
BH-4	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S250-97 (50 KSI)	600T125-54 (50 KSI)
BH-5	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S300-54 (50 KSI)	600T125-54 (50 KSI)
BH-6	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-54 (50 KSI)	600T125-43 (33 KSI)

NOTE: SEE TYPICAL DETAIL ON S503.

T/SLAB = 142'-8" U.N.O.

1 / S105 **LEVEL 05 STRUCTURAL PLAN**

1/8" = 1'-0"

NORTH

STRUCTURAL PLAN LEGEND:

DIRECTION OF DECK SPAN

[XXX'-XX"] INDICATES BEAM TOP OF STEEL ELEVATION U.N.O.

SW_ / XX' INDICATES SHEAR WALL TYPE, SEE SCHEDULE AND MINIMUM LENGTH OF SHEAR WALL REQUIRED.

BW_ INDICATES LOAD BEARING WALL TYPE, SEE SCHEDULE.

BH_ INDICATES COLD FORMED FRAMING BOX HEADER OVER EXTERIOR WALL OPENING.

MC MECHANICAL CHASE. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ARCHITECTURAL.

MD1 4 1/2" NORMAL WEIGHT CONCRETE ON 2", 18 GA. COMPOSITE METAL FLOOR DECK (6 1/2" TOTAL).

MD2 EPIC METALS WIDECK EDCP600A COMPOSITE ACOUSTICAL METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE ACOUSTICAL CELLULAR METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 16/18 GA. COMPOSITE METAL FLOOR DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATION FOR EXPOSED CEILING. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

MD3 EPIC METALS WIDECK EDC600 COMPOSITE METAL DECK. 3" NORMAL WEIGHT CONCRETE ON 6", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

CSI INTERNATIONAL VERSA FLOOR DEEP-DEK COMPOSITE METAL DECK. 2 7/8" NORMAL WEIGHT CONCRETE ON 6 1/8", 18 GA. COMPOSITE METAL FLOOR DECK. REFER TO MANUFACTURER FOR MAXIMUM UNSHORED METAL DECK SPAN. PROVIDE SHORING AS REQUIRED. COORDINATE WITH CMU REGARDING CONSTRUCTION LOAD REQUIREMENTS.

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S400 SERIES FOR FRAMING DETAILS.
5. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
6. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
8. DATUM ELEVATION 100'-0" = 821.70'

KEY NOTES:

1. STAIR AND LANDINGS BY STAIR CONTRACTOR.
2. ELEVATOR SHAFT.
3. SLAB BEAM INTEGRAL WITH SLAB ON METAL DECK AROUND ALL (4) SIDES OF OPENING PER SECTION 3/S401.
4. 8" MASONRY WALL. REINFORCE WITH #5 AT 48" O.C. VERTICAL REINFORCEMENT. GROUT REINFORCEMENT CELLS SOLID. PROVIDE (3) #8 BARS AT CORNERS. SIMILAR TO DETAIL 33/S403.
5. PROVIDE #5 AT 32" O.C. WITHIN 6'-0" OF END OF WALL WHERE NOTED.
6. PROVIDE (2) #6 AT DOOR JAMBS. SEE GENERAL NOTES.
7. PROVIDE #6 AT 4" O.C. IN TOP OF SLAB CONTINUOUS.
8. ADJUST SHEAR WALL PLACEMENT (WHILE MAINTAINING SPECIFIED SHEAR WALL LENGTH) NORTH AS REQUIRED TO AVOID COLUMN PER SECTION 23/S402.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

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100 East Eighth Sreet
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:

LEVEL 05 - STRUCTURAL PLAN

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED PROFESSIONAL ENGINEER
1/31/2020

JANUARY 30, 2020

DRAWN BY: **MRB** CHECKED BY: **BCS**

18305.00

S105

BID & PERMIT SUBMITTAL

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SOUTH STAIR ROOF - DECK BEARING = 164'-0"

A / S106 PARTIAL PLAN

1/8" = 1'-0"

BEARING WALL SCHEDULE

FLOOR	BEARING WALL 2 (BW-2)	BEARING WALL 6 (BW-6)	BEARING WALL 7 (BW-7)
8" BEARING WALLS			
LEVEL 02	800S200-97 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 16" O.C.	800S200-118 (50KSI) AT 12" O.C.
LEVEL 03	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.	800S200-97 (50KSI) AT 16" O.C.
LEVEL 04	800S200-68 (50KSI) AT 16" O.C.	800S200-54 (50KSI) AT 16" O.C.	800S200-97 (50 KSI) AT 16" O.C.
LEVEL 05	800S200-54 (50KSI) AT 16" O.C.	800S200-43 (50KSI) AT 16" O.C.	800S200-54 (50 KSI) AT 16" O.C.
ROOF	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.	800S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	**BEARING WALL 1 (BW-1)**	**BEARING WALL 3 (BW-3)**	**BEARING WALL 4 (BW-4)**
LEVEL 02	600S200-97 (50KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.	600S200-97 (50KSI) AT 16" O.C.
LEVEL 03	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-68 (50KSI) AT 16" O.C.
LEVEL 04	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-54 (50KSI) AT 16" O.C.
LEVEL 05	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (50KSI) AT 16" O.C.
ROOF	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.	600S200-43 (33KSI) AT 16" O.C.
6" BEARING WALLS			
FLOOR	**BEARING WALL 5 (BW-5)**		
LEVEL 02	600S200-118 (50KSI) AT 12" O.C.		
LEVEL 03	600S200-97 (50KSI) AT 12" O.C.		
LEVEL 04	600S200-97 (50KSI) AT 16" O.C.		
LEVEL 05	600S200-54 (50KSI) AT 16" O.C.		
ROOF	600S200-43 (33KSI) AT 16" O.C.		

NOTE: SEE DRAWING S502 FOR SHEAR WALL SCHEDULES AND BEARING WALL CALL OUTS FOR SHEAR WALLS.

BOX HEADER SCHEDULE

MARK	CONFIGURATION	VERTICAL STUDS	HORIZONTAL TRACK
BH-1	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S137-43 (33 KSI)	600T125-43 (33 KSI)
BH-2	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-43 (33 KSI)	600T125-43 (33 KSI)
BH-3	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S200-43 (33 KSI)	600T125-54 (50 KSI)
BH-4	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S250-97 (50 KSI)	600T125-54 (50 KSI)
BH-5	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S300-54 (50 KSI)	600T125-54 (50 KSI)
BH-6	(2) VERT. STUDS + (2) HORIZ. TRACKS	600S162-54 (50 KSI)	600T125-43 (33 KSI)

NOTE: SEE TYPICAL DETAIL ON S503.

DECK BEARING = 154'-0" U.N.O.

1 / S106 ROOF LEVEL STRUCTURAL PLAN

1/8" = 1'-0"

NORTH

STRUCTURAL PLAN LEGEND:

- DIRECTION OF DECK SPAN
- [XXX'-XX"] INDICATES BEAM TOP OF STEEL ELEVATION U.N.O.
- D.B.= DECK BEARING ELEVATION
- SW_ / XX' INDICATES SHEAR WALL TYPE, SEE SCHEDULE AND MINIMUM LENGTH OF SHEAR WALL REQUIRED.
- BW_ INDICATES LOAD BEARING WALL TYPE, SEE SCHEDULE.
- BH_ INDICATES COLD FORMED FRAMING BOX HEADER OVER EXTERIOR WALL OPENING.
- MC MECHANICAL CHASE. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ARCHITECTURAL.
- RD1 EPIC METALS WIDECK EDPA METAL ROOF DECK. 6", 16/18 GA. METAL ROOF DECK WITH BOTTOM PLATE ACOUSTICAL PERFORATIONS FOR EXPOSED CEILINGS.
  CSI INTERNATIONAL DEEP-DEK CELLULAR METAL ROOF DECK. 6", 16/18 GA. METAL ROOF DECK WITH BOTTOM PLATE ACCOUSTICAL PERFORATIONS FOR EXPOSED CEILINGS.
- RD2 EPIC METALS WIDEK ED METAL ROOF DECK. 6", 14 GA. METAL ROOF DECK.
  CSI INTERNATIONAL DEEP-DEK METAL ROOF DECK. 6", 14 GA. METAL ROOF DECK.
- RD3 1 1/2", 20 GA. TYPE B METAL ROOF DECK.

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S400 SERIES FOR FRAMING DETAILS.
5. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
6. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
8. DATUM ELEVATION 100'-0" = 821.70'

KEY NOTES:

1. 1000S162-68 [50 KSI] COLD FORMED JOISTS AT 16" O.C. SUPPORTING COMPOSITE METAL DECK. HEADER OFF AND PROVIDE DOUBLE JOIST AT EACH SIDE OF OPENING. AT SHADED LOCATIONS SHOWN, ADD 4" CONCRETE HOUSEKEEPING PAD BELOW AHU (6" TOTAL THICKNESS).
2. ROOFTOP AIR HANDLER. COORDINATE WITH MECHANICAL DRAWINGS.
3. STAIR AND LANDINGS BY STAIR CONTRACTOR.
4. ELEVATOR SHAFT.
5. RUN DECK OVER TOP OF WALL PER DETAIL.
6. EXTEND COLUMNS TO TOP OF SCREEN WALL, SEE SCHEDULE. SEE SECTION 49/S403 FOR T/COLUMN DETAIL AND SECTION 34/S403 FOR DETAIL AT DECK BEARING.
7. PROVIDE (2) 1000S162-97 (50 KSI) COLD FORM JOISTS BACK TO BACK SCREWED TOGETHER WITH (2) #12 SCREWS AT 12" O.C. AT EACH EDGE OF THE ROOFTOP AIR HANDLER. LOCATE DOUBLED JOIST UNDER ROOFTOP AHU SUPPORT.
8. 8" MASONRY WALL. REINFORCE WITH #5 AT 48" O.C. VERTICAL REINFORCEMENT. GROUT REINFORCEMENT CELLS SOLID. PROVIDE (3) #8 BARS AT CORNERS. SIMILAR TO DETAIL 33/S403.
9. PROVIDE #5 AT 32" O.C. WITHIN 6'-0" OF END OF WALL WHERE NOTED.
10. PROVIDE (2) #6 AT DOOR JAMBS. SEE GENERAL NOTES.
11. RTU HOUSEKEEPING PAD (SHOWN SHADED).
12. ROOF DECK SUPPORT BEAM TO BE (2) 800S200-54 BACK TO BACK JOISTS SCREWED TOGETHER WITH (2) #12 SCREWS AT 12" O.C.
13. ATTACH COLD FORM ROOF DECK SUPPORT BEAM TO TOP OF CMU WALL WITH MARINOWARE BH JOIST HANGER 800DB12 WITH (6) #12 SCREWS (3 EACH HANGER FLANGE) INTO TOP OF WALL EMBED PLATE. SCREW TO EACH JOIST WITH (2) #12 SCREWS.

#	DATE	CHANGE DESCRIPTION

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NEW RESIDENCE HALL
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100 East Eighth Street
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Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:

ROOF - STRUCTURAL PLAN

JANUARY 30, 2020

DRAWN BY: MRB | CHECKED BY: BCS

18305.00

STATE OF KENTUCKY — BRAD C. SAALFELD — 26869 — LICENSED PROFESSIONAL ENGINEER — 1/31/2020

S106

BID & PERMIT SUBMITTAL

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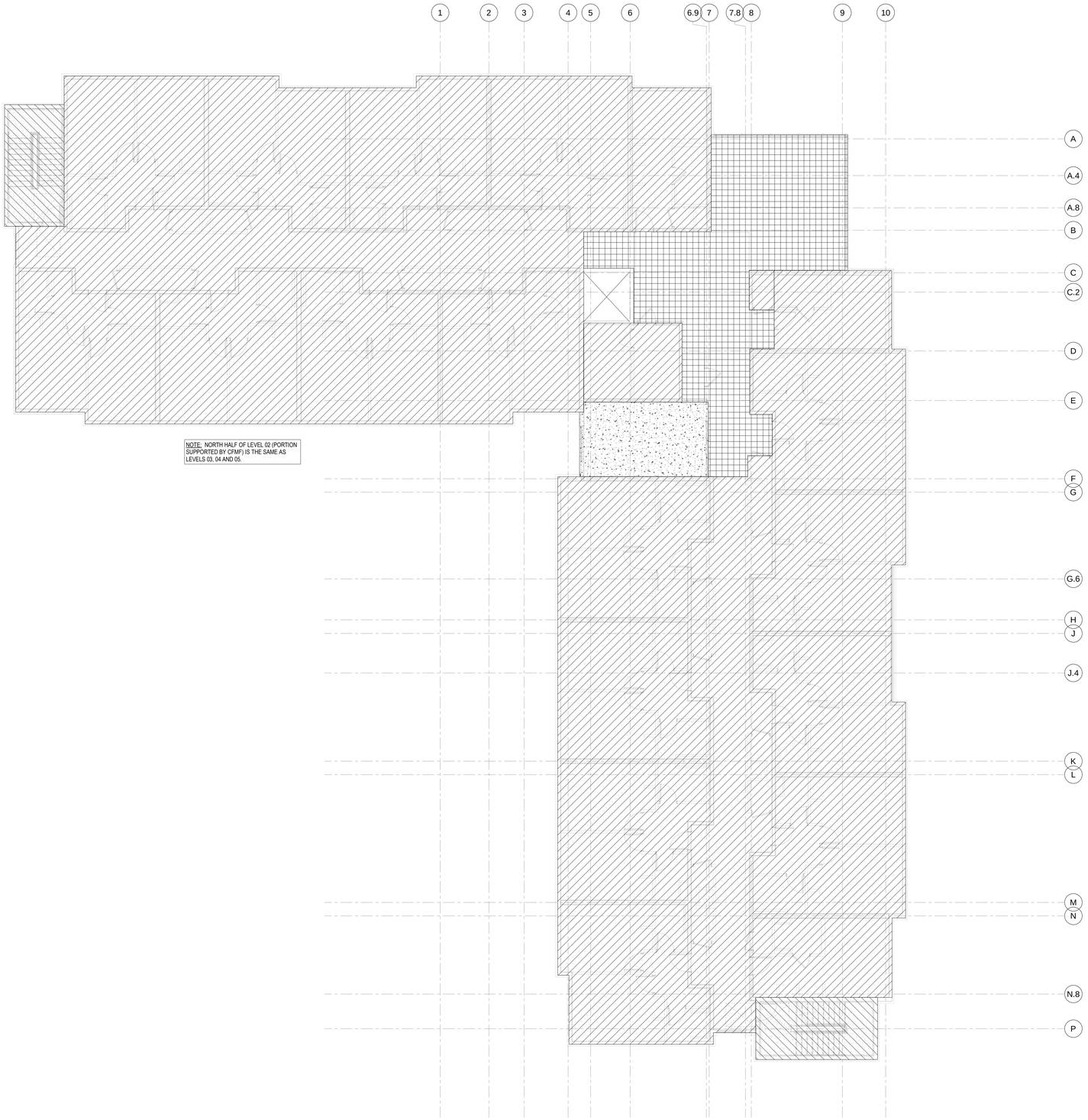


NOTE: NORTH HALF OF LEVEL 02 (PORTION SUPPORTED BY CFMF) IS THE SAME AS LEVELS 03, 04 AND 05.

1 / S113 **LEVEL 03, 04 AND 05 LOADING DIAGRAM**

1/8" = 1'-0"

NORTH

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S211 FOR BRACING ELEVATIONS.
5. REFER TO S300 SERIES FOR FOUNDATIONS DETAILS.
6. REFER TO S400 SERIES FOR FRAMING DETAILS.
7. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
8. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
10. DATUM ELEVATION 100'-0" = 821.70'

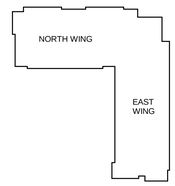
LOADING DIAGRAM LEGEND:

- PUBLIC SPACES
- PRIVATE ROOMS / COORIDORS
- STUDY ROOMS
- MECHANICAL / ELECTRICAL / IT
- STAIRS
- ROOF
- ROOFTOP AHU
- SNOW DRIFT

LOADING SCHEDULE

AREA DESIGNATION	DEAD LOAD	LIVE LOAD
PUBLIC SPACES	16 PSF	100 PSF
PRIVATE ROOMS/COORIDORS	16 PSF	40 PSF
STUDY ROOMS	16 PSF	100 PSF
MECHANICAL/ELECTRICAL/IT	11 PSF	150 PSF
STAIRS	50 PSF	100 PSF
ROOF	22 PSF	21 PSF
ROOFTOP AHU	22 PSF	100 PSF
DRIFTING SNOW	22 PSF	AS NOTED

NOTE: DEAD LOAD IS SUPER IMPOSED DEAD LOAD AND DOES NOT INCLUDE COMPOSITE SLAB OR ROOF DECK SELF WEIGHT.



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
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FOR
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100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:

TYPICAL LEVEL - LOADING DIAGRAM

JANUARY 30, 2020

DRAWN BY: **MRB** CHECKED BY: **BCS**

18305.00

S113

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED
PROFESSIONAL ENGINEER

1/31/2020

BID & PERMIT SUBMITTAL

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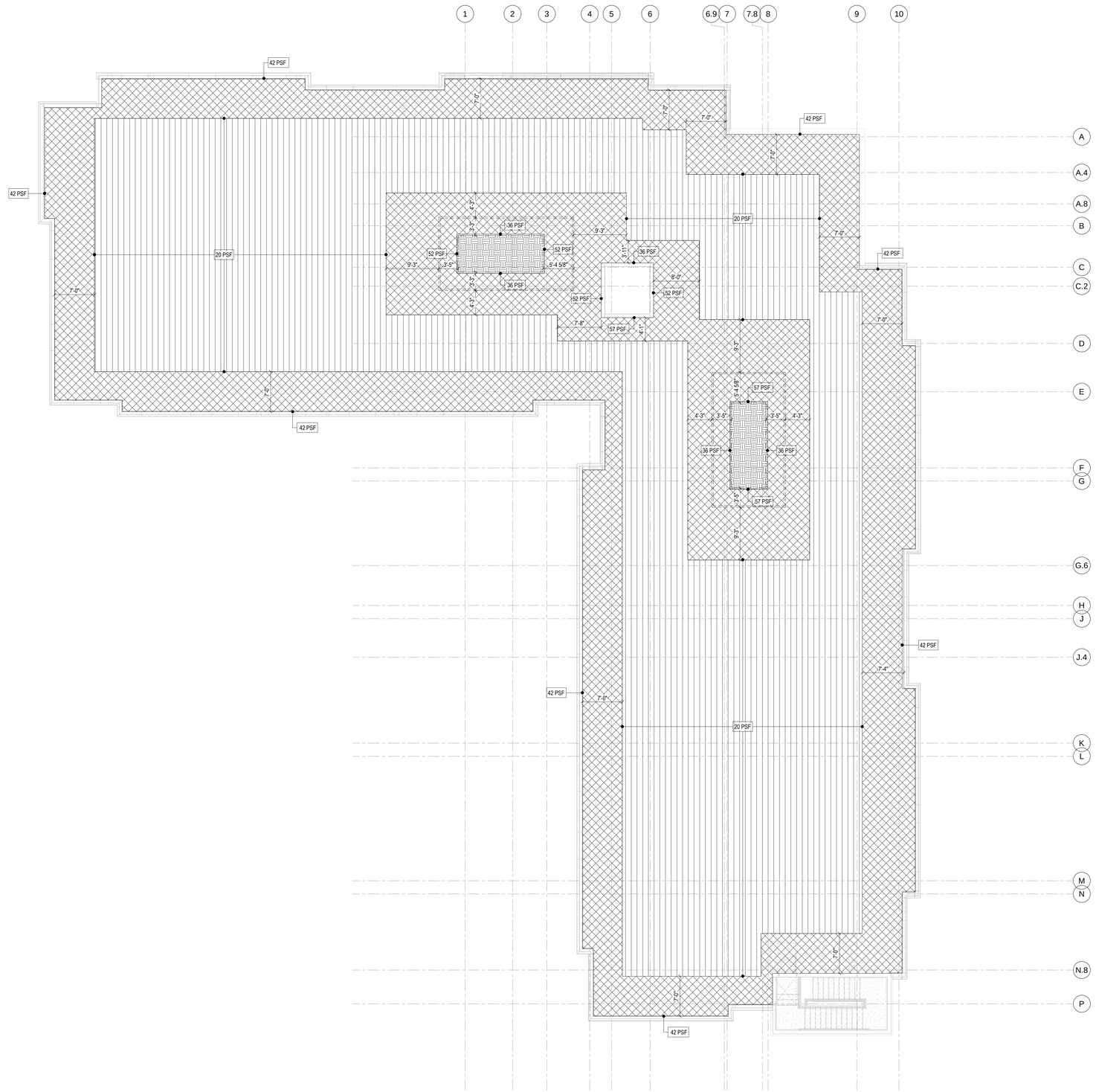


1 ROOF LEVEL LOADING DIAGRAM

S116

1/8" = 1'-0"

NORTH

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S211 FOR BRACING ELEVATIONS.
5. REFER TO S300 SERIES FOR FOUNDATIONS DETAILS.
6. REFER TO S400 SERIES FOR FRAMING DETAILS.
7. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
8. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
10. DATUM ELEVATION 100'-0" = 821.70'

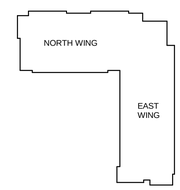
LOADING DIAGRAM LEGEND:

- PUBLIC SPACES
- PRIVATE ROOMS / COORIDORS
- STUDY ROOMS
- MECHANICAL / ELECTRICAL / IT
- STAIRS
- ROOF
- ROOFTOP AHU
- SNOW DRIFT

LOADING SCHEDULE

AREA DESIGNATION	DEAD LOAD	LIVE LOAD
PUBLIC SPACES	16 PSF	100 PSF
PRIVATE ROOMS/COORIDORS	16 PSF	40 PSF
STUDY ROOMS	16 PSF	100 PSF
MECHANICAL/ELECTRICAL/IT	11 PSF	150 PSF
STAIRS	50 PSF	100 PSF
ROOF	22 PSF	21 PSF
ROOFTOP AHU	22 PSF	100 PSF
DRIFTING SNOW	22 PSF	AS NOTED

NOTE: DEAD LOAD IS SUPER IMPOSED DEAD LOAD AND DOES NOT INCLUDE COMPOSITE SLAB OR ROOF DECK SELF WEIGHT.



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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100 East Eighth Street
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Phone: 513.241.3222
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DRAWING TITLE:

ROOF LEVEL - LOADING DIAGRAM

JANUARY 30, 2020

DRAWN BY: MRB | CHECKED BY: BCS

18305.00

S116

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED
PROFESSIONAL ENGINEER
1/31/2020

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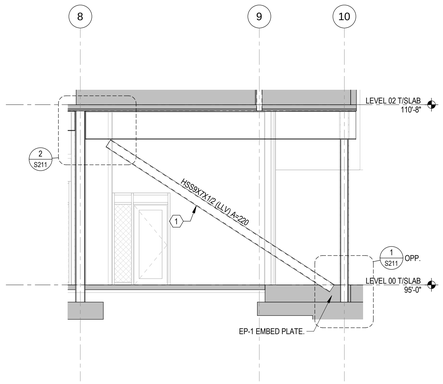
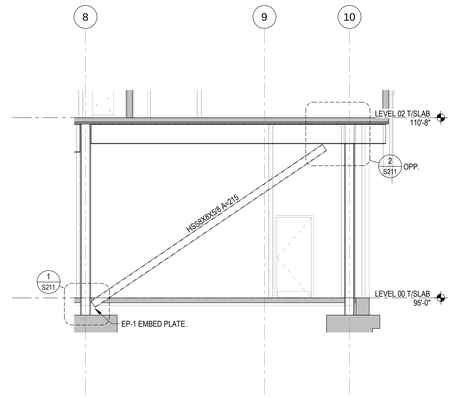
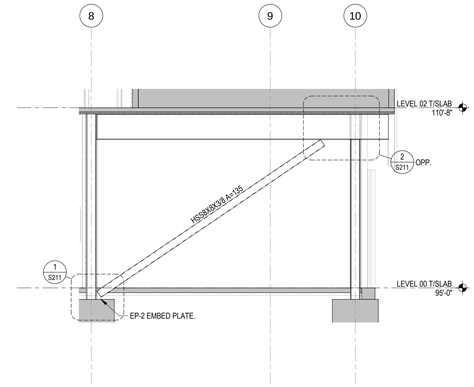


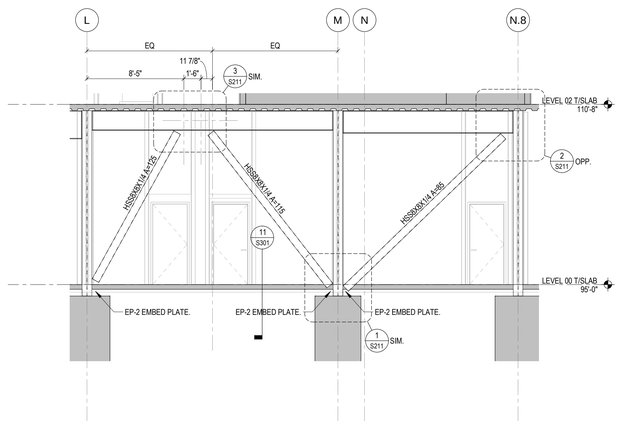
LINE C
A / S211 BRACING ELEVATION
3/16" = 1'-0"



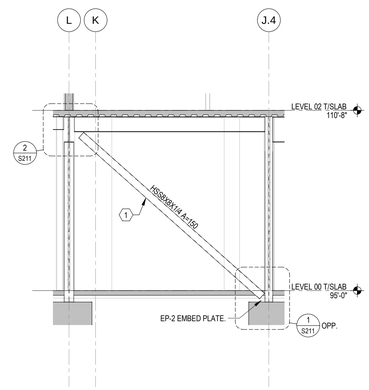
LINE F
B / S211 BRACING ELEVATION
3/16" = 1'-0"



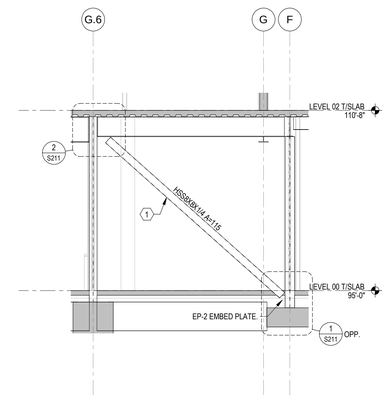
LINE L
C / S211 BRACING ELEVATION
3/16" = 1'-0"



LINE 8
D / S211 BRACING ELEVATION
3/16" = 1'-0"



LINE 10
E / S211 BRACING ELEVATION
3/16" = 1'-0"



LINE 10
F / S211 BRACING ELEVATION
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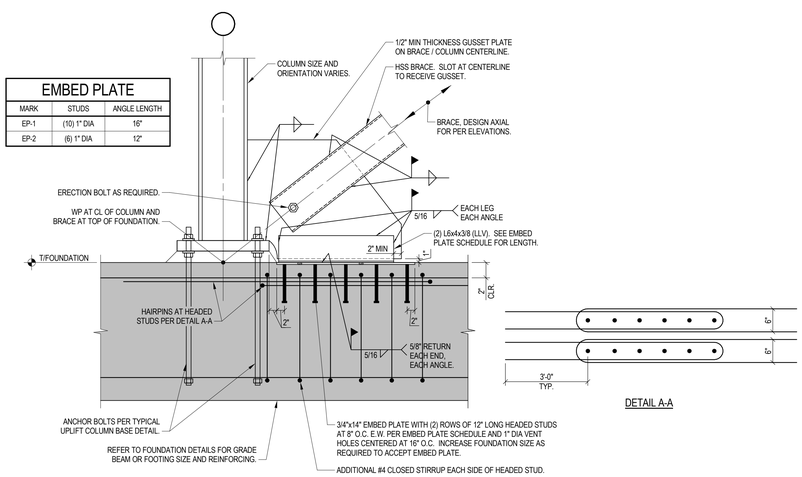
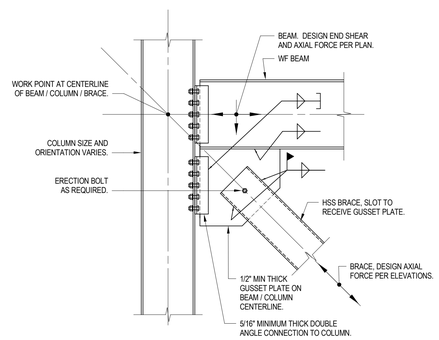
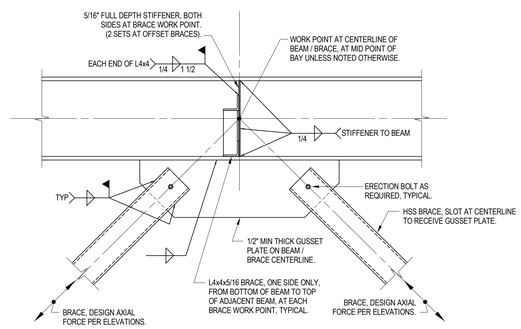


HSS BRACE FIELD WELDED AT FOUNDATION
1 / S211 DETAIL
3/4" = 1'-0"



HSS BRACE FIELD WELDED
2 / S211 DETAIL
3/4" = 1'-0"



HSS BRACE FIELD WELDED
3 / S211 DETAIL
3/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S211 FOR BRACING ELEVATIONS.
5. REFER TO S300 SERIES FOR FOUNDATIONS DETAILS.
6. REFER TO S400 SERIES FOR FRAMING DETAILS.
7. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
8. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
10. DATUM ELEVATION 100'-0" = 821.70'

KEY NOTES:

1. DESIGN CONNECTION EACH END FOR HORIZONTAL OUT OF PLANE LOAD Vu=5K.

BRACING NOTES:

1. FABRICATOR TO DESIGN CONNECTIONS. DESIGN AS INDICATED ON DRAWINGS PER AISC RECOMMENDATIONS. DESIGN COMPLETE CONNECTIONS INCLUDING GUSSET PLATES, WELDS, BOLTS, ANGLES, STIFFENERS, DOUBLER PLATES AND ANY OTHER ELEMENTS.
2. DESIGN FOR TENSION AND BUCKLING AT ALL CRITICAL SECTIONS USING APPLICABLE MOMENTS CALCULATED BY BEAM FORMULAS AND EFFECTIVE WIDTH OF WHITMORE SECTIONS.
3. GUSSET PLATES TO BE A MINIMUM OF 1/2" THICK. CONNECT GUSSET TO BEAM AND COLUMN AT BEAM TO COLUMN JOINTS.
4. FORCES INDICATED ON ELEVATIONS ARE ADDITIVE TO BEAM END REACTIONS SPECIFIED AND FORCES SHOWN ON PLAN.
5. WORK POINTS ARE CENTERLINE OF BRACE AND CENTERLINE OF BEAM AT CENTERLINE OF COLUMN OR MID-BAY, EXCEPT WHERE INDICATED OTHERWISE. WORK POINT AT BOTTOM OF BEAM WHERE BEAM IS CONTINUOUS OVER COLUMN, AND AT TOP OF CONCRETE FOUNDATION.
6. ELEVATIONS SHOWN ARE APPROXIMATE AND TOP OF STEEL VARIES, SEE PLANS FOR ELEVATIONS.

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DRAWING TITLE:
BRACING ELEVATIONS AND DETAILS

JANUARY 30, 2020

DRAWN BY: **MRB** CHECKED BY: **BCS**

18305.00

S211

STATE OF KENTUCKY
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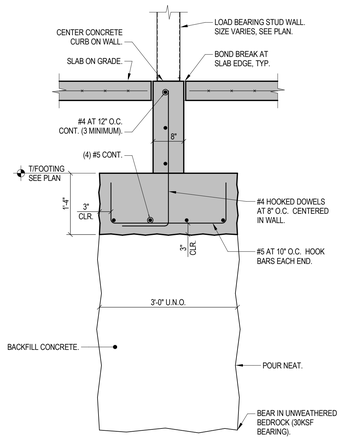
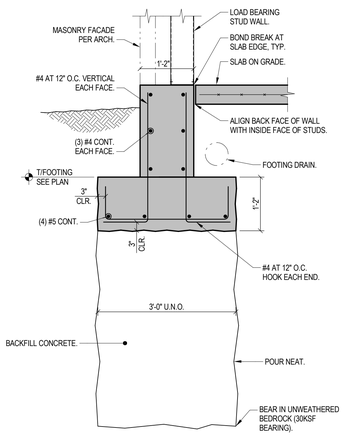


TYP. INTERIOR LOAD BEARING WALL FOUNDATION

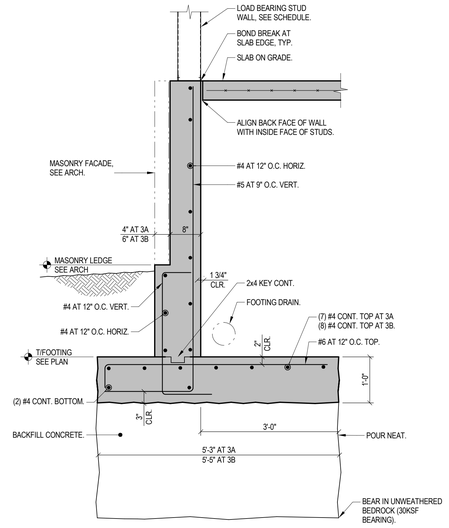
1 / S301 SECTION

3/4" = 1'-0"



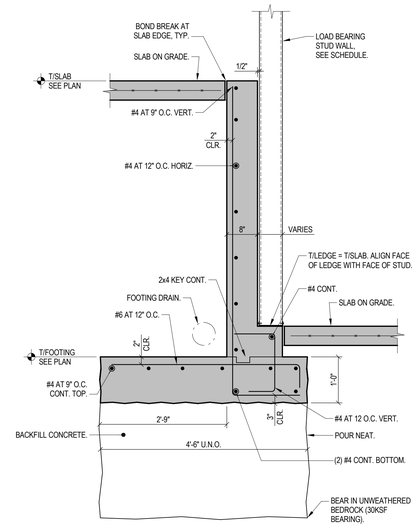
2 / S301 SECTION

3/4" = 1'-0"



3A / S301 3B / S301 SECTION

3/4" = 1'-0"



4 / S301 SECTION

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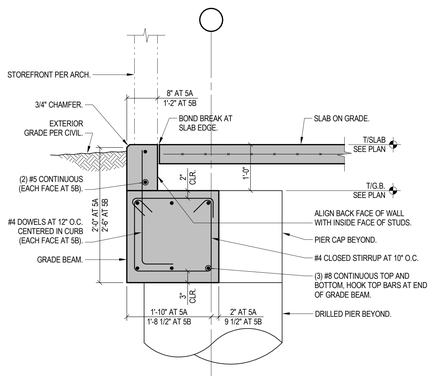
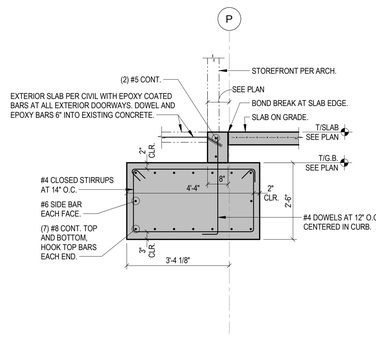


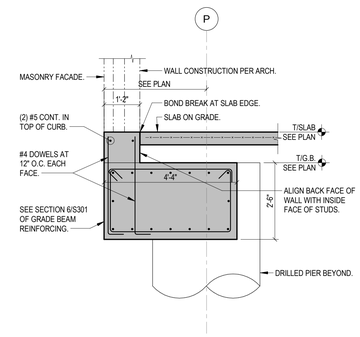
5A / S301 5B / S301 SECTION

3/4" = 1'-0"



6 / S301 SECTION

1/2" = 1'-0"



7 / S301 SECTION

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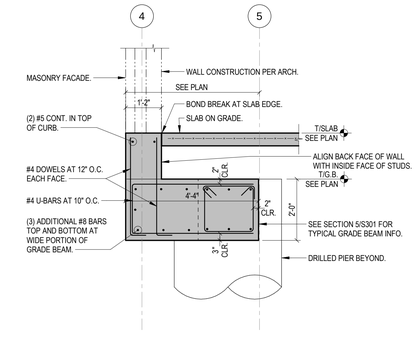

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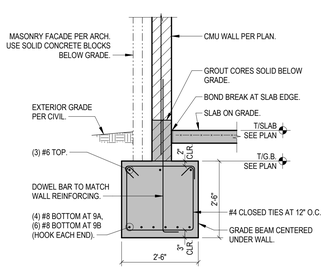
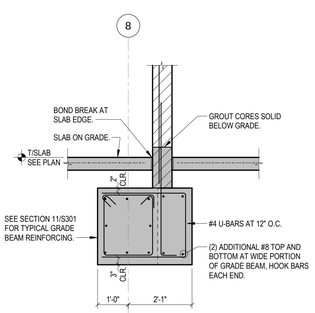


9A / S301 9B / S301 SECTION

1/2" = 1'-0"



10 / S301 SECTION

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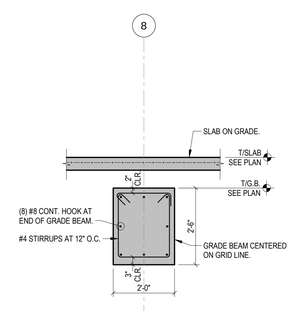
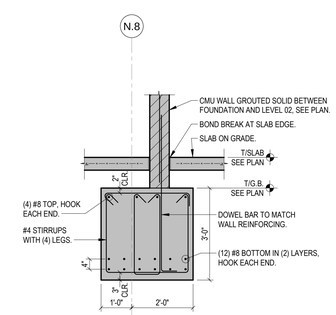


11 / S301 SECTION

1/2" = 1'-0"



12 / S301 SECTION

1/2" = 1'-0"

STATE OF KENTUCKY APPROVAL

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DRAWING TITLE:

FOUNDATION DETAILS

JANUARY 30, 2020

DRAWN BY: MRB | CHECKED BY: BCS

18305.00

S301

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STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED
PROFESSIONAL ENGINEER
1/31/2020

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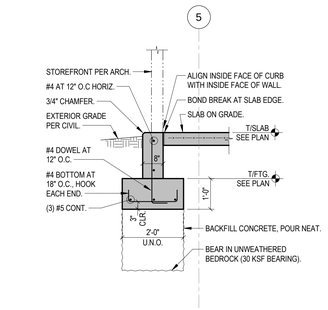

13 S302 **SECTION**
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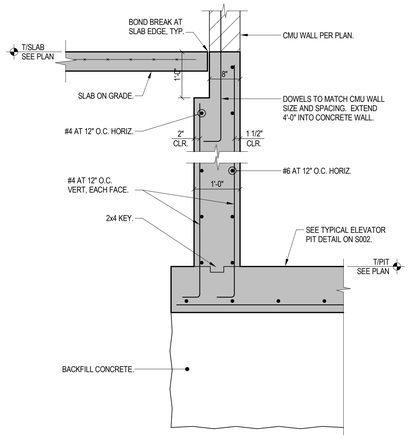

14 S302 **SECTION**
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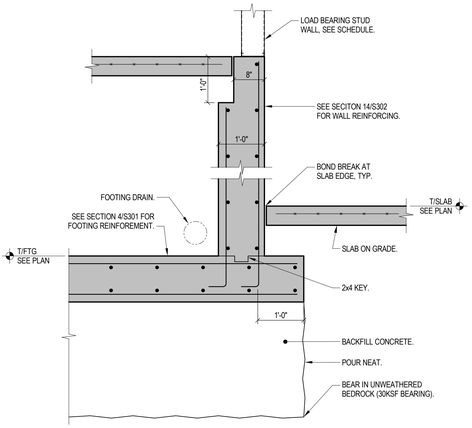

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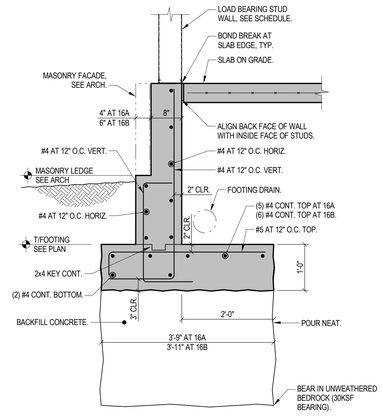

16A 16B S302 **SECTION**
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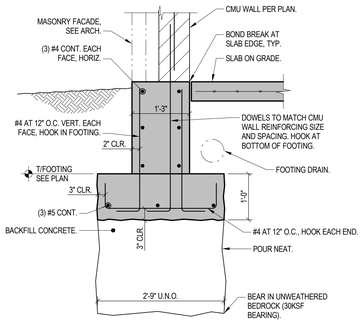

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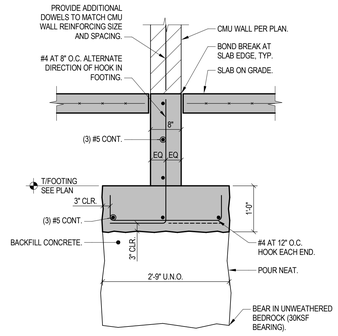

18 S302 **SECTION**
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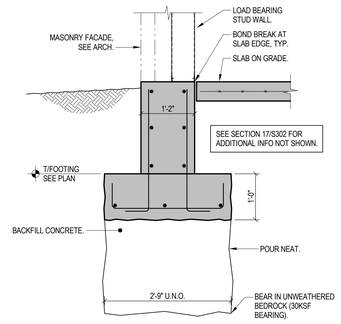

19 S302 **SECTION**
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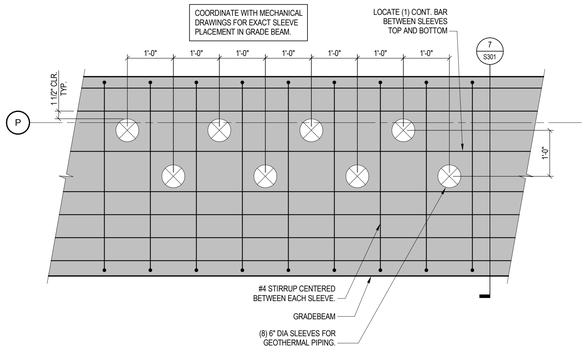

20 S302 **PLAN DETAIL**
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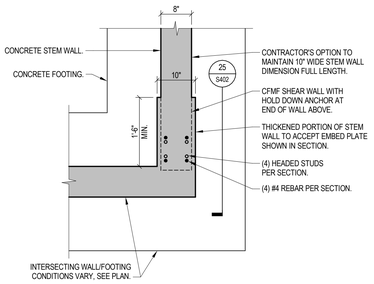

21 S302 **PLAN DETAIL**
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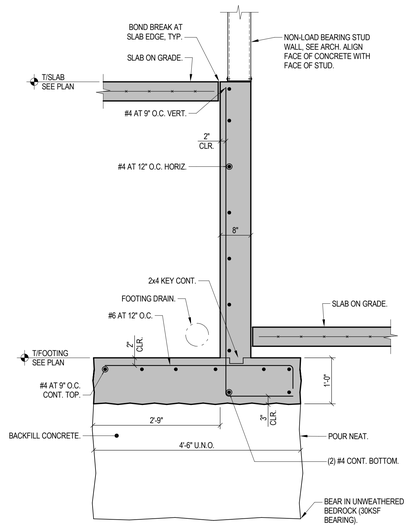
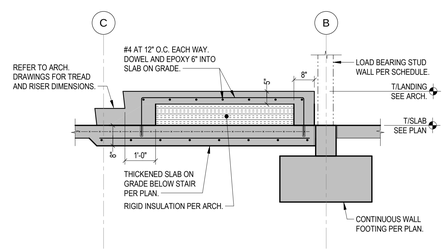


22 S302 **SECTION**
3/4" = 1'-0"



23 S302 **SECTION**
1/2" = 1'-0"

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DRAWING TITLE:
FOUNDATION DETAILS

JANUARY 30, 2020
DRAWN BY: **MRB** CHECKED BY: **BCS**
18305.00
S302
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STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED PROFESSIONAL ENGINEER
1/31/2020

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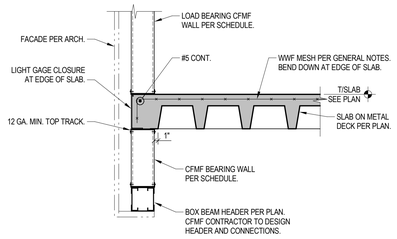

1 S401 **SECTION**
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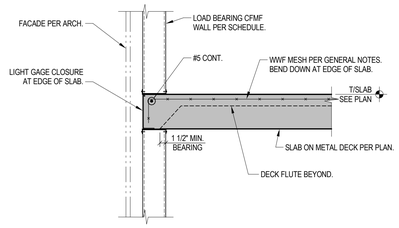

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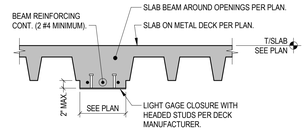

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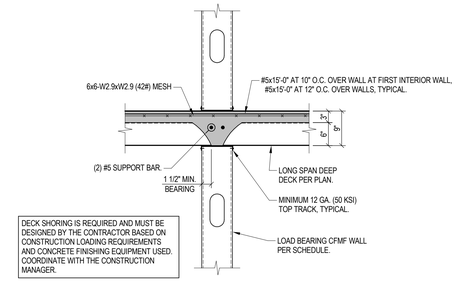
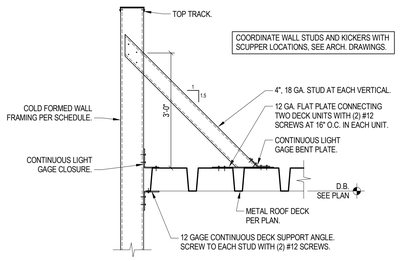
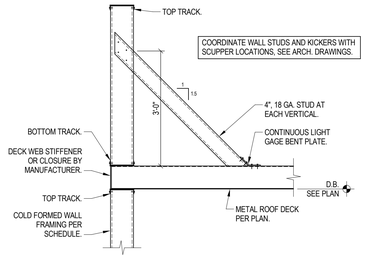


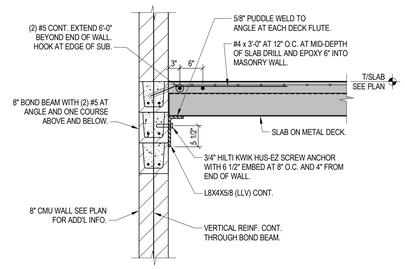
4 S401 **SECTION**
3/4" = 1'-0"



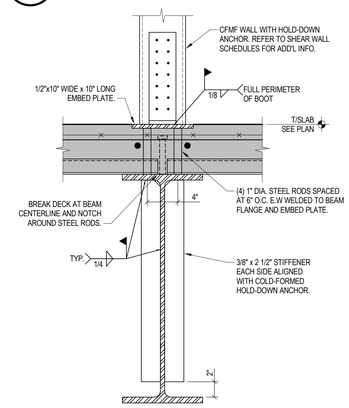
DECK SPAN PARALLEL TO PERIMETER WALL
5 S401 **SECTION**
3/4" = 1'-0"



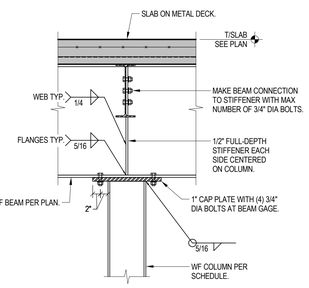
DECK SPAN PERPENDICULAR TO PERIMETER WALL
6 S401 **SECTION**
3/4" = 1'-0"



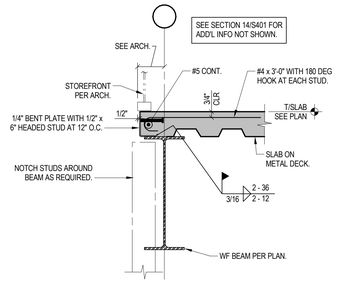
7 S401 **SECTION**
3/4" = 1'-0"



8 S401 **SECTION**
1 1/2" = 1'-0"



9 S401 **SECTION**
3/4" = 1'-0"



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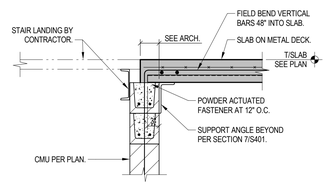

11 S401 **SECTION**
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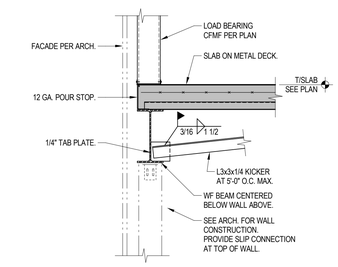

12 S401 **SECTION**
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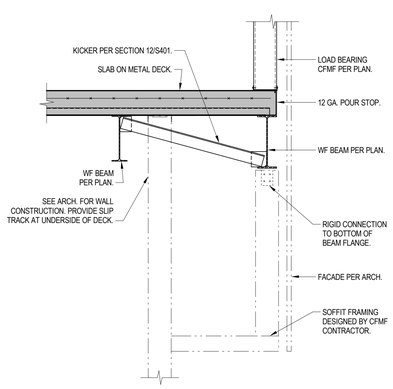

13 S401 **SECTION**
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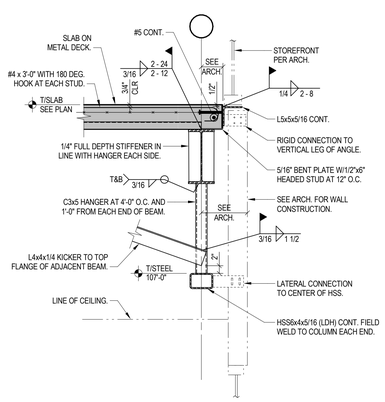
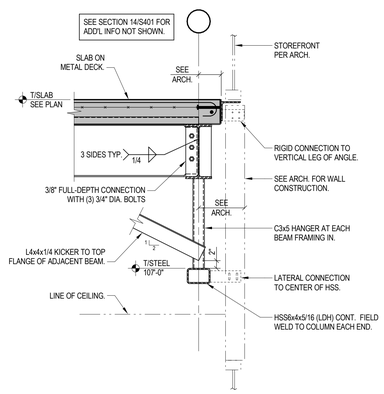
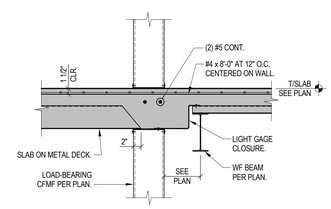


14 S401 **SECTION**
3/4" = 1'-0"



15 S401 **SECTION**
3/4" = 1'-0"



16 S401 **SECTION**
3/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

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NKU NORTHERN KENTUCKY UNIVERSITY

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FOR
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DRAWING TITLE:
FRAMING DETAILS

JANUARY 30, 2020
DRAWN BY: **MRB** CHECKED BY: **BCS**
18305.00
S401
BID & PERMIT SUBMITTAL

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED
PROFESSIONAL ENGINEER
1/31/2020

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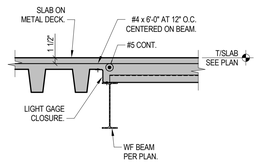
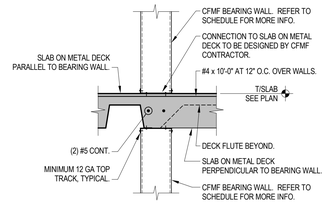
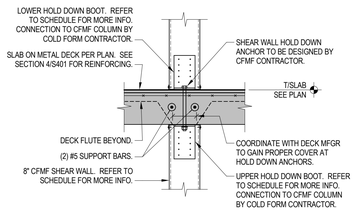


17 S402 **SECTION** 3/4" = 1'-0"

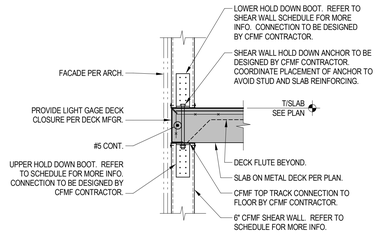


18 S402 **SECTION** 3/4" = 1'-0"



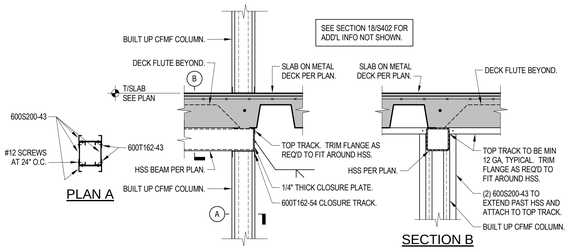
HOLD DOWN AT 8" SHEAR WALL

19 S402 **SECTION** 3/4" = 1'-0"



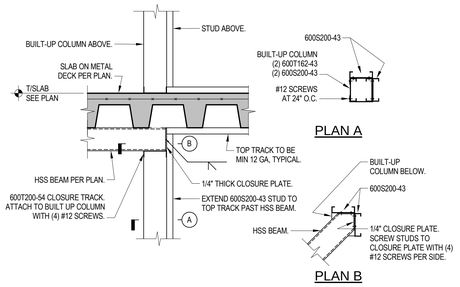
HOLD DOWN AT EXTERIOR 6" SHEAR WALL

20 S402 **SECTION** 3/4" = 1'-0"



BEAM BEARING ON CFMF

21 S402 **SECTION** 3/4" = 1'-0"



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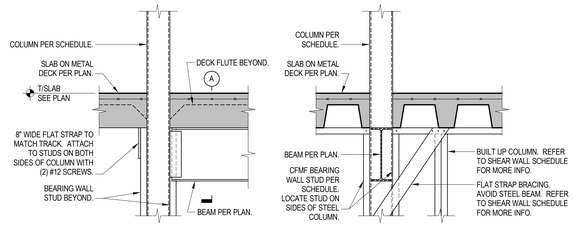
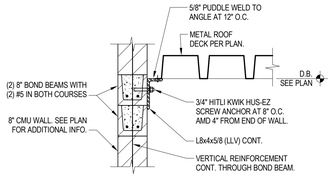
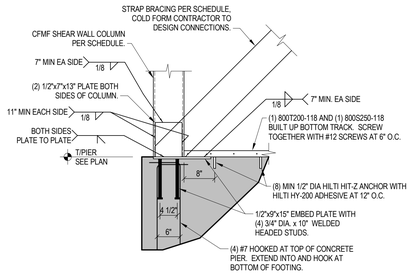


23 S402 **SECTION** 3/4" = 1'-0"



24 S402 **SECTION** 3/4" = 1'-0"



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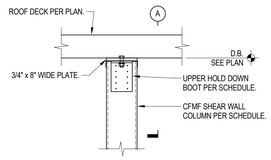
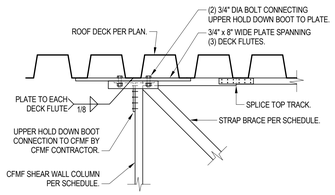
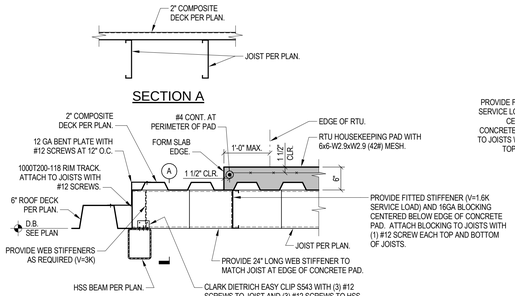


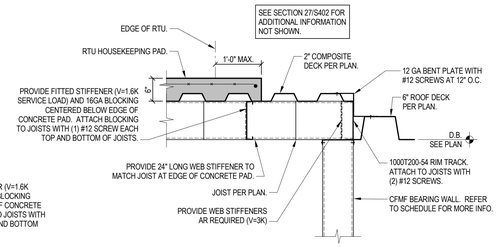


UPPER HOLD DOWN AT 8" SHEAR WALL AT ROOF

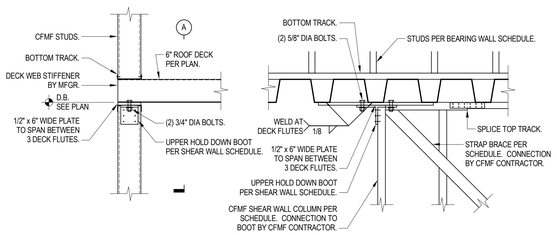
26 S402 **SECTION** 3/4" = 1'-0"



27 S402 **SECTION** 3/4" = 1'-0"

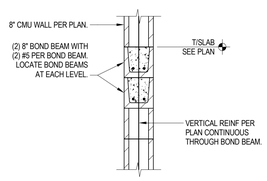


28 S402 **SECTION** 3/4" = 1'-0"

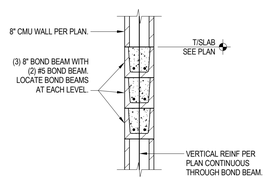


HOLD DOWN AT EXTERIOR 6" SHEAR WALL

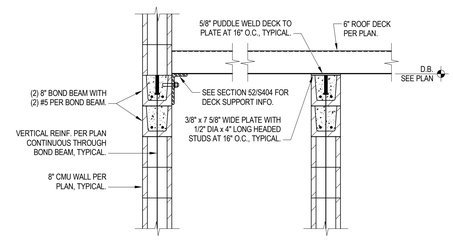
29 S402 **SECTION** 3/4" = 1'-0"



30 S402 **SECTION** 3/4" = 1'-0"



31 S402 **SECTION** 3/4" = 1'-0"



32 S402 **SECTION** 3/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

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NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
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S402

BID & PERMIT SUBMITTAL

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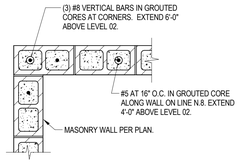
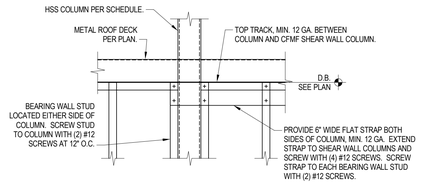
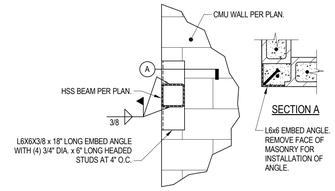


33 S403 **PLAN DETAIL**
3/4" = 1'-0"



34 S403 **SECTION**
3/4" = 1'-0"



35 S403 **SECTION**
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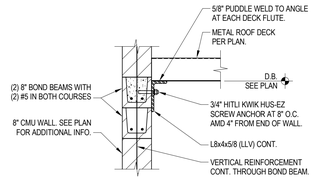
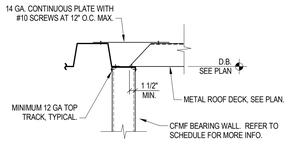
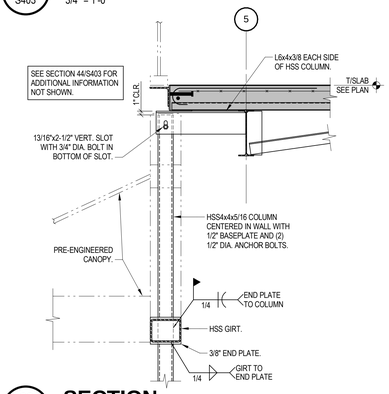


36 S403 **SECTION**
3/4" = 1'-0"



37 S403 **SECTION**
3/4" = 1'-0"



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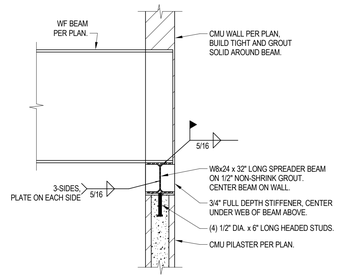

39 S403 **SECTION**
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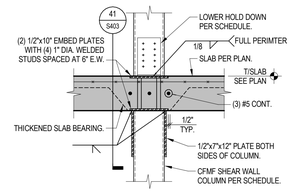

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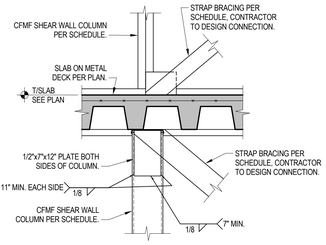
3/4" = 1'-0"



41 S403 **SECTION**
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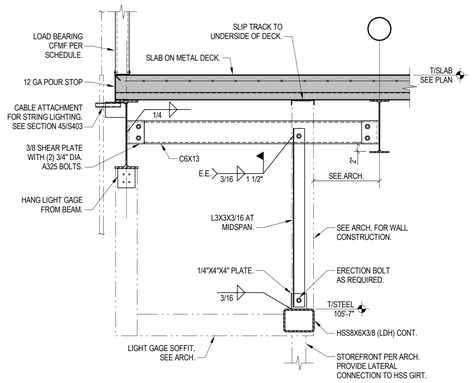

42 S403 **SECTION**
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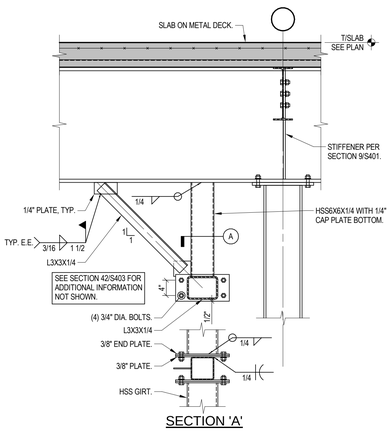
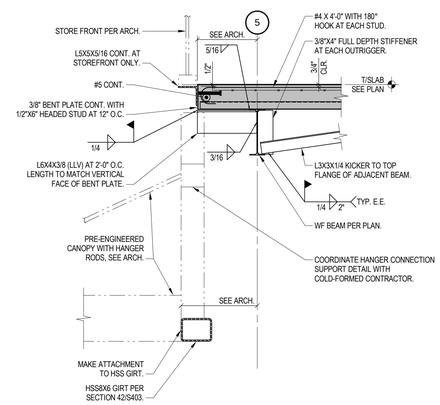


43 S403 **SECTION**
3/4" = 1'-0"



44 S403 **SECTION**
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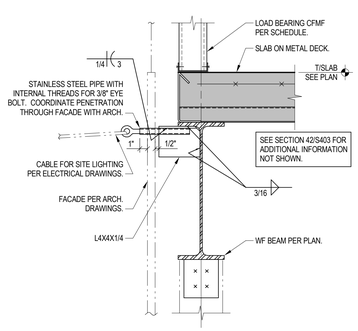
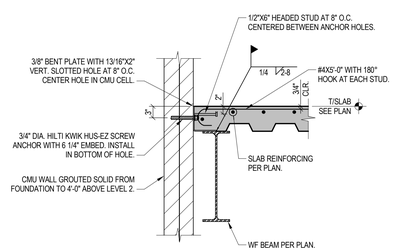


45 S403 **SECTION**
1 1/2" = 1'-0"



46 S403 **SECTION**
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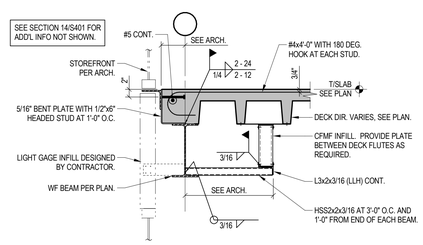

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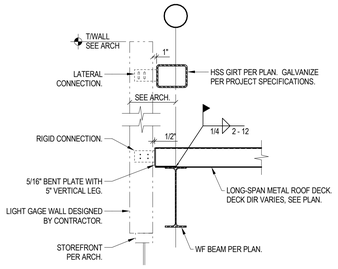

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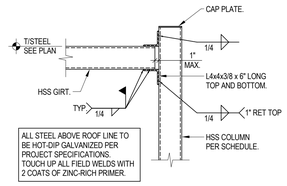

49 S403 **SECTION**
3/4" = 1'-0"

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HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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THP Cincinnati • Cleveland
THP Limited, Inc.
100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
www.thpltd.com

DRAWING TITLE:
FRAMING DETAILS

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED PROFESSIONAL ENGINEER
1/31/2020

JANUARY 30, 2020
DRAWN BY: **MRB** CHECKED BY: **BCS**
18305.00
S403
BID & PERMIT SUBMITTAL

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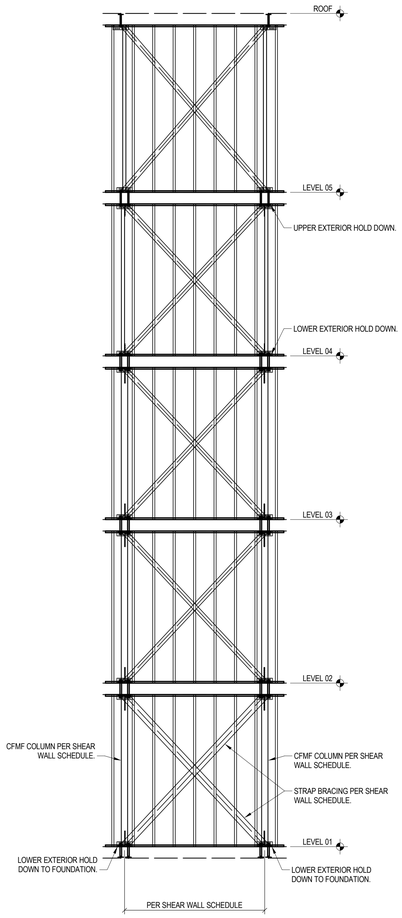
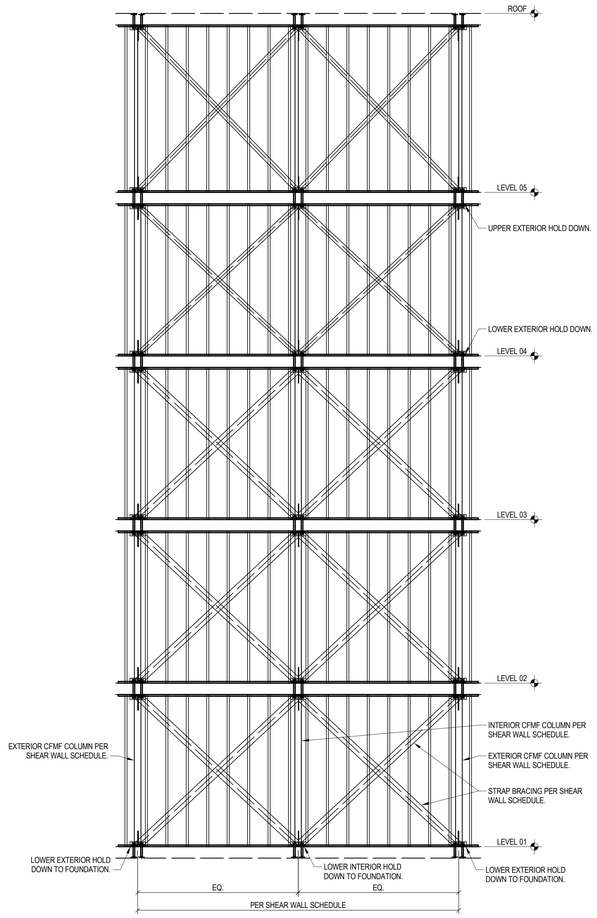
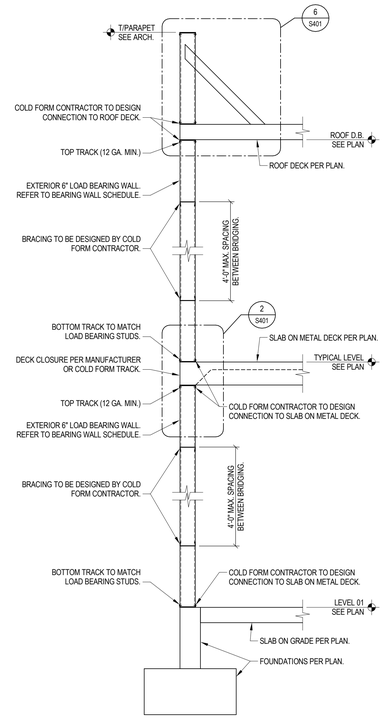


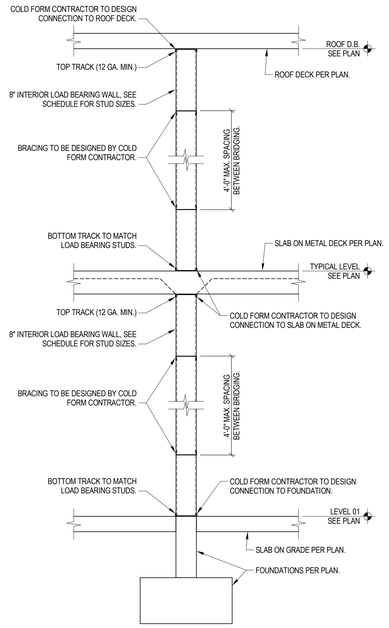
A 501 **SINGLE STACK SHEAR WALL**
1/4" = 1'-0"



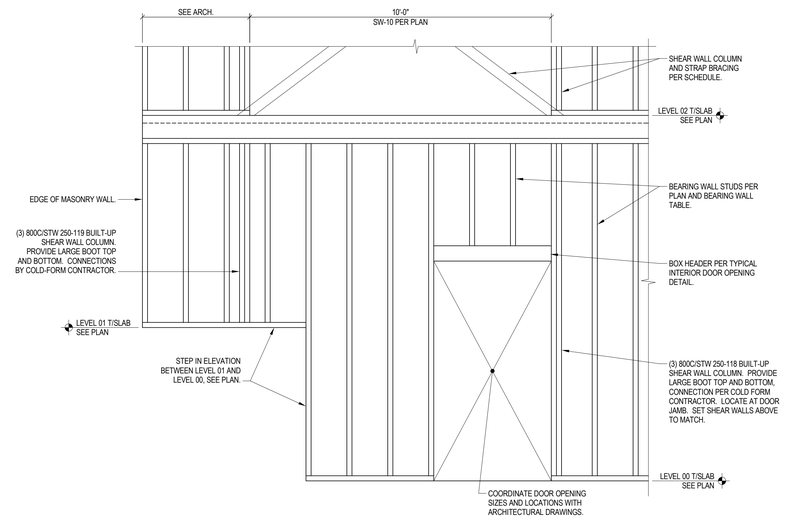
B 501 **TWIN STACK SHEAR WALL**
1/4" = 1'-0"



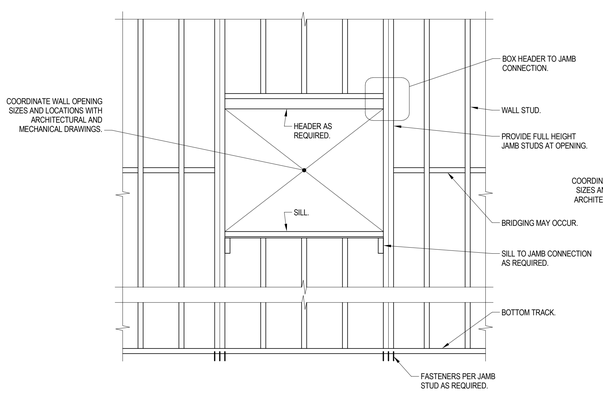
C 501 (6" WALL) **EXTERIOR WALL SECTION**
NO SCALE



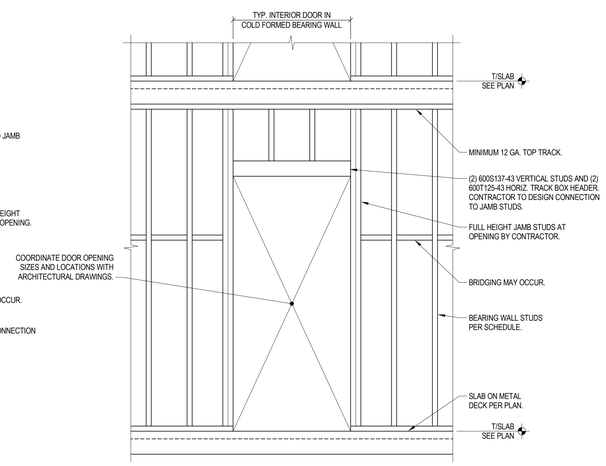
D 501 (8" WALL) **INTERIOR WALL SECTION**
NO SCALE



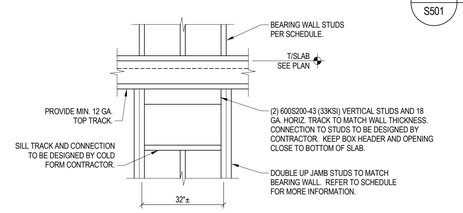
E S501 **ELEVATION**
NO SCALE



TYPICAL COLD FORMED FRAMING AT OPENING



TYPICAL INTERIOR DOOR OPENING IN 6" WALL



NOTE: CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS FOR LOCATION OF OPENINGS REQUIRING BOX HEADER.

TYPICAL MECHANICAL OPENING IN 6" BEARING WALL

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S400 SERIES FOR FRAMING DETAILS.
5. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
6. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
8. DATUM ELEVATION 100'-0" = 821.70'

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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DRAWING TITLE:

SHEAR WALL DIAGRAMS

JANUARY 30, 2020

DRAWN BY: **MRB** CHECKED BY: **BCS**

18305.00

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED PROFESSIONAL ENGINEER
1/31/2020

S501

BID & PERMIT SUBMITTAL

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SHEAR WALL LOAD SCHEDULE

CONNECTION LOADS							MEMBER LOADS						
	FLOOR	OUTER COLUMN (KIPS)		INNER COLUMN (KIPS)				FLOOR	OUTER COLUMN (KIPS)		INNER COLUMN (KIPS)		BRACING (KIPS)
		TENSION	UPLIFT	TENSION	UPLIFT				TENSION	COMPRESSION	TENSION	COMPRESSION	TENSION
SW1	1	37.4	17.2	37.4	0		SW1	1	18	60	0	21	19
	2	36	1	36	0			2	8	45	0	16	17
	3	25	0	25	0			3	1	31	0	12	16
	4	25	0	25	0			4	0	18	0	8	12
	5	18	0	18	0			5	0	8	0	5	7
SW1A	1	49	14	49	0		SW1A	1	18	64	0	28	25
	2	25	1	25	0			2	8	45	0	16	17
	3	25	0	25	0			3	1	31	0	12	16
	4	25	0	25	0			4	0	18	0	8	12
	5	18	0	18	0			5	0	8	0	5	7
SW2	1	N/A	N/A	N/A	N/A		SW2	1	N/A	N/A	N/A	N/A	N/A
	2	25	0	25	0			2	7	39	0	13	17
	3	25	0	25	0			3	1	26	0	9	15
	4	25	0	25	0			4	0	14	0	6	11
	5	14	0	14	0			5	0	5.5	0	3	6
SW3	1	35	41	35	0		SW3	1	25	47	0	10	18
	2	25	23	25	0			2	14	36	0	7	15
	3	25	8	25	0			3	6	24	0	5	14
	4	22	0	22	0			4	1	14	0	4	11
	5	13	0	13	0			5	0	5	0	2	6
SW4	1	N/A	N/A	N/A	N/A		SW4	1	N/A	N/A	N/A	N/A	N/A
	2	25	22.5	25	0			2	13	35	0	7	16
	3	25	10	25	0			3	5	23	0	5	14
	4	21	0	21	0			4	1	12.3	0	4	10
	5	11	0	11	0			5	0	5	0	2	6
SW5	1	25	53	N/A	N/A		SW5	1	29	45	N/A	N/A	17
	2	25	35	N/A	N/A			2	18	32	N/A	N/A	15
	3	25	17	N/A	N/A			3	9	20	N/A	N/A	13
	4	17	5	N/A	N/A			4	3	11	N/A	N/A	9
	5	8	0	N/A	N/A			5	0	3.3	N/A	N/A	5
SW6	1	N/A	N/A	N/A	N/A		SW6	1	N/A	N/A	N/A	N/A	19
	2	25	33	N/A	N/A			2	17	31	N/A	N/A	16
	3	25	16	N/A	N/A			3	8	20	N/A	N/A	13
	4	17	5	N/A	N/A			4	2	10	N/A	N/A	9
	5	7	0	N/A	N/A			5	0	3	N/A	N/A	4
SW7	1	25	46	N/A	N/A		SW7	1	23	46	N/A	N/A	14
	2	25	28	N/A	N/A			2	14	34	N/A	N/A	13
	3	21	13	N/A	N/A			3	7	23	N/A	N/A	11
	4	15	3	N/A	N/A			4	2	13	N/A	N/A	8
	5	8	0	N/A	N/A			5	0	5	N/A	N/A	4
SW8	1	25	43	N/A	N/A		SW8	1	23	47	N/A	N/A	16
	2	25	27	N/A	N/A			2	14	35	N/A	N/A	14
	3	24	13	N/A	N/A			3	7	23	N/A	N/A	12
	4	17	3	N/A	N/A			4	2	13	N/A	N/A	9
	5	9	0	N/A	N/A			5	0	5	N/A	N/A	5
SW9	1	N/A	N/A	N/A	N/A		SW9	1	N/A	N/A	N/A	N/A	N/A
	2	25	2	25	0			2	5	38	0	12	15
	3	25	0	25	0			3	0	25	0	8	14
	4	21	0	21	0			4	0	13	0	5	10
	5	9	0	9	0			5	0	5	0	3	5
SW9A	1	50	26	50	0		SW9A	1	20	63	0	26	27
	2	25	9	25	0			2	8	42	0	13	17
	3	25	0	25	0			3	0	28	0	9	15
	4	23	0	23	0			4	0	15	0	6	11
	5	11	0	11	0			5	0	5	0	3	5
SW10	1	N/A	N/A	N/A	N/A		SW10	1	N/A	N/A	N/A	N/A	N/A
	2	38	33	N/A	N/A			2	21	46	N/A	N/A	21
	3	25	18	N/A	N/A			3	10	30	N/A	N/A	17
	4	25	5	N/A	N/A			4	22	17	N/A	N/A	13
	5	12	0	N/A	N/A			5	0	6	N/A	N/A	6
SW11	1	N/A	N/A	N/A	N/A		SW11	1	N/A	N/A	N/A	N/A	N/A
	2	24	5	24	0			2	7	30	0	8	12
	3	22	0	22	0			3	2	20	0	6	12
	4	19	0	19	0			4	0	12	0	5	10
	5	14	0	14	0			5	0	5	0	3	6
SW12	1	N/A	N/A	N/A	N/A		SW12	1	N/A	N/A	N/A	N/A	N/A
	2	25	23	25	0			2	13	35	0	7	15
	3	25	8	25	0			3	5	23	0	5	13
	4	20	0	20	0			4	1	12.5	0	4	10
	5	11	0	11	0			5	0	5	0	2	5

SHEAR WALL SCHEDULE

	DIMENSIONS	BEARING WALL TYPE	FLOOR	COLUMN		BRACING	BOOT TYPE			
							LOWER		UPPER	
				EXTERIOR	INTERIOR		EXTERIOR	INTERIOR	EXTERIOR	INTERIOR
SW-1	(20'-0" LONG x 8" WIDE) TWIN STACK	BW-2	1	(3) 800CSTW250-118	(2) 800CSTW250-97	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			2	(2) 800CSTW250-118	(2) 800CSTW250-54	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			3	(2) 800CSTW250-97	800CSTW250-97	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			4	(2) 800CSTW250-68	800CSTW250-68	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			5	800CSTW250-68	800CSTW250-54	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
SW-1A	(20'-0" LONG x 8" WIDE) TWIN STACK	BW-2	1	(6) 600S250-118	(4) 600S250-118	8 STRAPS 8" x 54 MILS	SEE 25/S402	SEE 25/S402	SEE 40/S403	SEE 40/S403
			2	(2) 800CSTW250-118	(2) 800CSTW250-54	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			3	(2) 800CSTW250-97	800CSTW250-97	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			4	(2) 800CSTW250-68	800CSTW250-68	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			5	800CSTW250-68	800CSTW250-54	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
SW-2	(21'-0" LONG x 8" WIDE) TWIN STACK	BW-2	1	-	-	-	-	-	-	-
			2	(2) 800CSTW250-97	800CSTW250-97	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			3	(2) 800CSTW250-97	800CSTW250-68	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			4	(2) 800CSTW250-54	800CSTW250-54	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			5	800CSTW250-54	800CSTW250-43	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
SW-2A	(21'-0" LONG x 8" WIDE) TWIN STACK	BW-6	1	-	-	-	-	-	-	-
			2	(2) 800CSTW250-97	800CSTW250-97	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			3	(2) 800CSTW250-97	800CSTW250-68	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			4	(2) 800CSTW250-54	800CSTW250-54	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			5	800CSTW250-54	800CSTW250-43	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
SW-3	(18'-0" LONG x 6" WIDE) TWIN STACK	BW-1	1	(2) 600CSTW250-118	600CSTW250-97	8 STRAPS 8" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			2	(2) 600CSTW250-97	600CSTW250-68	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
			3	(2) 600CSTW250-97	600CSTW250-54	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			4	(2) 600CSTW250-54	600CSTW250-43	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			5	600CSTW250-68	600CSTW250-43	8 STRAPS 4" x 54 MILS	PLUS BOOT	PLUS BOOT	PLUS BOOT	PLUS BOOT
SW-4	(18'-0" LONG x 6" WIDE) TWIN STACK	BW-1	1	-	-	-	-	-	-	-
			2	(2) 600CSTW250-97	600CSTW250-68	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	SMALL BOOT	MEDIUM BOOT	SMALL BOOT
			3	(2) 600CSTW250-68	600CSTW250-54	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			4	(2) 600CSTW250-43	600CSTW250-43	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			5	600CSTW250-54	600CSTW250-43	8 STRAPS 4" x 54 MILS	PLUS BOOT	PLUS BOOT	PLUS BOOT	PLUS BOOT
SW-5	(9'-0" LONG x 6" WIDE) SINGLE STACK	BW-1	1	(2) 600CSTW250-118	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			2	(2) 600CSTW250-97	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			3	(2) 600CSTW250-68	-	2 STRAPS 4" x 54 MILS	TRANSITION BOOT	-	MEDIUM BOOT	-
			4	600CSTW250-97	-	2 STRAPS 4" x 54 MILS	SMALL BOOT	-	SMALL BOOT	-
			5	600CSTW250-43	-	2 STRAPS 4" x 54 MILS	LIGHT BOOT	-	LIGHT BOOT	-
SW-6	(9'-0" LONG x 6" WIDE) SINGLE STACK	BW-1	1	-	-	-	-	-	-	-
			2	(2) 600CSTW250-97	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			3	(2) 600CSTW250-68	-	2 STRAPS 4" x 54 MILS	TRANSITION BOOT	-	MEDIUM BOOT	-
			4	600CSTW250-97	-	2 STRAPS 4" x 54 MILS	SMALL BOOT	-	SMALL BOOT	-
			5	600CSTW250-43	-	2 STRAPS 4" x 54 MILS	LIGHT BOOT	-	LIGHT BOOT	-
SW-6A	(9'-0" LONG x 6" WIDE) SINGLE STACK	BW-4	1	-	-	-	-	-	-	-
			2	(2) 600CSTW250-97	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			3	(2) 600CSTW250-68	-	2 STRAPS 4" x 54 MILS	TRANSITION BOOT	-	MEDIUM BOOT	-
			4	600CSTW250-97	-	2 STRAPS 4" x 54 MILS	SMALL BOOT	-	SMALL BOOT	-
			5	600CSTW250-43	-	2 STRAPS 4" x 54 MILS	LIGHT BOOT	-	LIGHT BOOT	-
SW-7	(8'-0" LONG x 6" WIDE) SINGLE STACK	BW-4	1	(2) 600CSTW250-118	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			2	(2) 600CSTW250-97	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			3	(2) 600CSTW250-68	-	2 STRAPS 4" x 54 MILS	TRANSITION BOOT	-	MEDIUM BOOT	-
			4	(2) 600CSTW250-43	-	2 STRAPS 4" x 54 MILS	SMALL BOOT	-	SMALL BOOT	-
			5	600CSTW250-68	-	2 STRAPS 4" x 54 MILS	SMALL BOOT	-	SMALL BOOT	-
SW-8	(11'-0" LONG x 6" WIDE) SINGLE STACK	BW-4	1	(2) 600CSTW250-118	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			2	(2) 600CSTW250-97	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			3	(2) 600CSTW250-68	-	2 STRAPS 4" x 54 MILS	TRANSITION BOOT	-	MEDIUM BOOT	-
			4	(2) 600CSTW250-43	-	2 STRAPS 4" x 54 MILS	SMALL BOOT	-	SMALL BOOT	-
			5	600CSTW250-68	-	2 STRAPS 4" x 54 MILS	PLUS BOOT	-	PLUS BOOT	-
SW-9	(16'-0" LONG x 8" WIDE) TWIN STACK	BW-2	1	-	-	-	-	-	-	-
			2	(2) 800CSTW250-97	(2) 800CSTW250-43	8 STRAPS 4" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			3	(2) 800CSTW250-97	800CSTW250-68	8 STRAPS 4" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			4	(2) 800CSTW250-43	800CSTW250-43	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
			5	800CSTW250-43	800CSTW250-43	8 STRAPS 4" x 54 MILS	PLUS BOOT	PLUS BOOT	PLUS BOOT	PLUS BOOT
SW-9A	(16'-0" LONG x 8" WIDE) TWIN STACK	BW-6	1	(6) 600S250-118	(4) 600S250-118	8 STRAPS 8" x 54 MILS	SEE 25/S402	SEE 25/S402	SEE __/____	SEE __/____
			2	(2) 800CSTW250-118	(2) 800CSTW250-54	8 STRAPS 4" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			3	(2) 800CSTW250-97	800CSTW250-68	8 STRAPS 4" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			4	(2) 800CSTW250-54	800CSTW250-54	8 STRAPS 4" x 54 MILS	LARGE BOOT	LARGE BOOT	LARGE BOOT	LARGE BOOT
			5	800CSTW250-54	800CSTW250-43	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
SW-10	(10'-0" LONG x 8" WIDE) SINGLE STACK	BW-7	1	(3) 800CSTW250-118	-	-	LARGE BOOT	-	LARGE BOOT	-
			2	(2) 800CSTW250-118	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			3	(2) 800CSTW250-97	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			4	(2) 800CSTW250-54	-	2 STRAPS 4" x 54 MILS	LARGE BOOT	-	LARGE BOOT	-
			5	800CSTW250-68	-	2 STRAPS 4" x 54 MILS	TRANSITION BOOT	-	MEDIUM BOOT	-
SW-11	(21'-0" LONG x 6" WIDE) TWIN STACK	BW-4	1	-	-	-	-	-	-	-
			2	(2) 600CSTW250-97	600CSTW250-97	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
			3	(2) 600CSTW250-68	600CSTW250-68	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			4	(2) 600CSTW250-43	600CSTW250-43	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			5	600CSTW250-68	600CSTW250-43	8 STRAPS 4" x 54 MILS	PLUS BOOT	PLUS BOOT	PLUS BOOT	PLUS BOOT
SW-12	(16'-0" LONG x 6" WIDE) TWIN STACK	BW-1	1	-	-	-	-	-	-	-
			2	(2) 600CSTW250-97	600CSTW250-68	8 STRAPS 4" x 54 MILS	TRANSITION BOOT	TRANSITION BOOT	MEDIUM BOOT	MEDIUM BOOT
			3	(2) 600CSTW250-68	600CSTW250-54	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			4	(2) 600CSTW250-43	600CSTW250-43	8 STRAPS 4" x 54 MILS	SMALL BOOT	SMALL BOOT	SMALL BOOT	SMALL BOOT
			5	600CSTW250-54	600CSTW250-43	8 STRAPS 4" x 54 MILS	PLUS BOOT	PLUS BOOT	PLUS BOOT	PLUS BOOT

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S400 SERIES FOR FRAMING DETAILS.
5. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
6. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
8. DATUM ELEVATION 100'-0" = 821.70'

SHEAR WALL SCHEDULE NOTES:

1. SHEAR WALL MEMBERS ARE PROVIDED AS BASIS OF DESIGN USING THE STEEL NETWORK MEMBERS. MEMBER CALL OUTS, BUILT-UP COLUMN CONFIGURATIONS AND BOOT TYPES. SEE DRAWING S503 FOR BUILT-UP COLUMN CONFIGURATIONS.
2. COLD FORM CONTRACTOR MAY USE LOADS PROVIDED IN THE SHEAR WALL LOAD SCHEDULE TO DESIGN NEW COLUMN AND BRACE MEMBERS.
3. SHEAR WALL LENGTHS AND NUMBER OF STACKS MAY NOT CHANGE WITHOUT ENGINEER'S APPROVAL AND PROPER CALCULATIONS SUBMITTAL.
4. REFER TO SHEAR WALL LOAD TABLE FOR LOADS IN CONNECTION DESIGN.

SHEAR WALL LOAD SCHEDULE NOTES:

1. CONNECTION LOADS SHOW TENSION FORCE IN BRACE AND UPLIFT FORCE IS IN THE COLUMN. A COMPONENT OF TENSION FORCE WILL CONTRIBUTE TO BOTH VERTICAL UPLIFT FORCE AND HORIZONTAL SHEAR FORCE. TOTAL FORCE OF UPLIFT = UPLIFT + COMPONENT OF TENSION FORCE. USE SHEAR WALL GEOMETRY TO FIND COMPONENT OF TENSION FORCE.
2. MEMBER LOADS SHOW FORCE IN EACH MEMBER. TENSION LOAD IN BRACE DOES NOT ADD A COMPONENT OF FORCE INTO THE COLUMNS.
3. ALL LOADS IN THE TABLE ARE FACTORED.

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

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Cincinnati, Ohio 45202
Phone: 513.241.3222
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DRAWING TITLE:

SHEAR WALL SCHEDULES

JANUARY 30, 2020

DRAWN BY: MRB | CHECKED BY: SJD

18305.00

S502

BID & PERMIT SUBMITTAL

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED
PROFESSIONAL ENGINEER
1/31/2020

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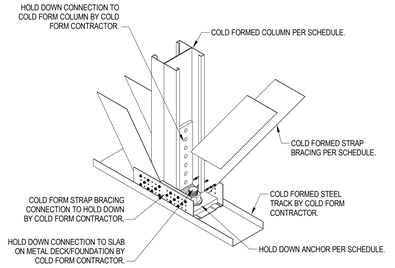
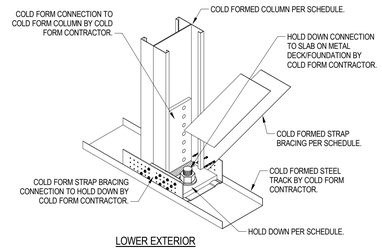


LOWER INTERIOR



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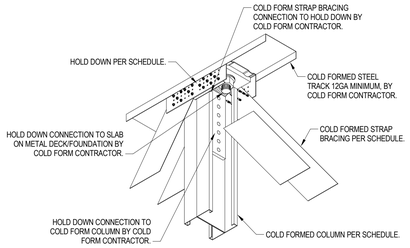
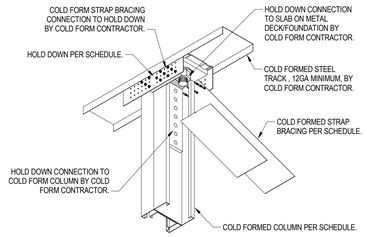
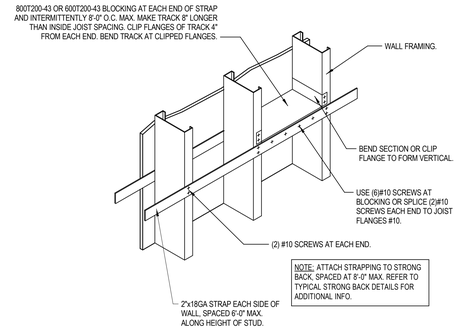


UPPER INTERIOR

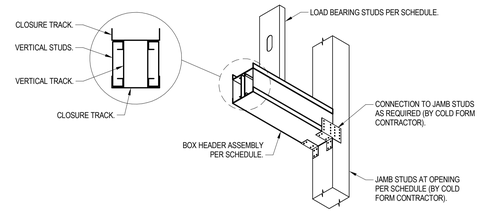


UPPER EXTERIOR

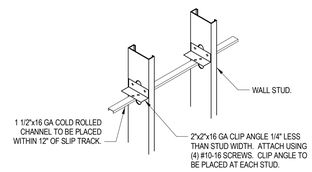
TYPICAL SHEAR WALL HOLD DOWN DETAILS



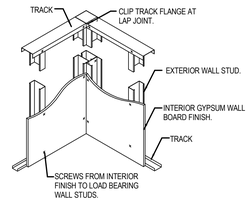
STUD BRACING WITH STRAPPING



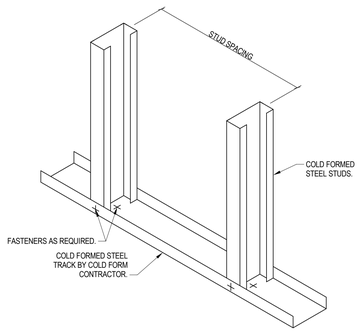
COLD FORMED STEEL BOX HEADER



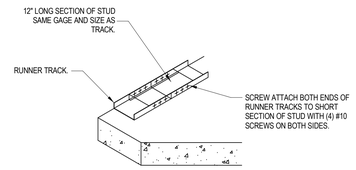
SLIP TRACK DETAIL



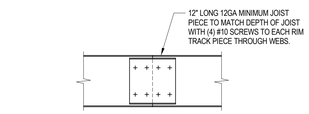
CORNER FRAMING DETAIL



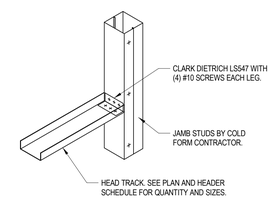
TYPICAL TRACK TO STUD CONNECTION



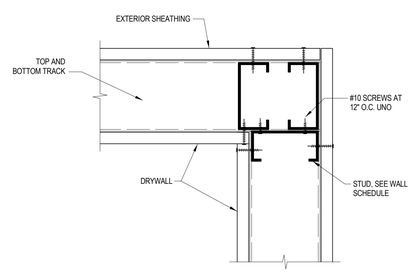
BOTTOM TRACK SPLICE (TOP TRACK SPLICE SIMILAR)



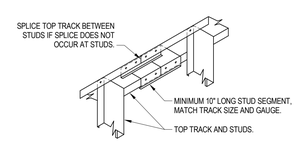
RIM TRACK SPLICE



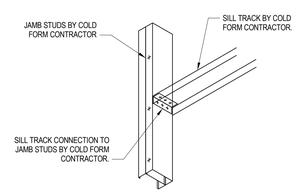
HEADER TRACK CONNECTION



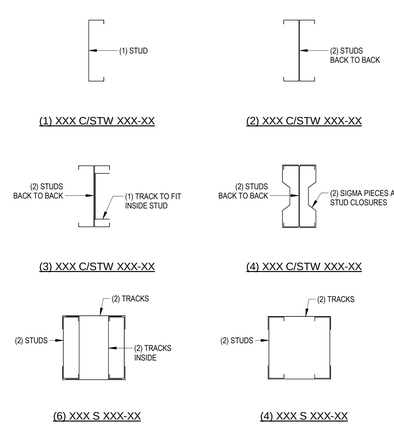
CORNER FRAMING DETAIL



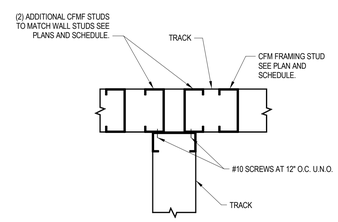
TYPICAL UNSUPPORTED TRACK SPLICE DETAIL



SILL TRACK CONNECTION



BUILT-UP SHEAR WALL COLUMNS



LOAD BEARING INTERSECTING WALL DETAIL

STATE OF KENTUCKY APPROVAL

DRAWING NOTES:

1. REFER TO S001 FOR GENERAL STRUCTURAL NOTES, DRAWING INDEX AND ABBREVIATIONS.
2. REFER TO S002 AND S003 FOR TYPICAL DETAILS.
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4. REFER TO S400 SERIES FOR FRAMING DETAILS.
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6. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
8. DATUM ELEVATION 100'-0" = 821.70'

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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100 East Eighth Street
Cincinnati, Ohio 45202
Phone: 513.241.3222
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DRAWING TITLE:
COLD FORMED FRAMING DETAILS

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED PROFESSIONAL ENGINEER
1/31/2020

JANUARY 30, 2020
DRAWN BY: **MRB** CHECKED BY: **BCS**
18305.00
S503
BID & PERMIT SUBMITTAL

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STEEL COLUMN SCHEDULE

Column Locations	A-7	A-9	A.4-6	A.8-2	A.8-4	B-6	B-7	B.9-3	C-8	C-9	C-10	C.2-1	C.2-2	D-8	D-10	E-5	E-6.9	F-5	F-6.9	F-8	F-10	G.6-10	H-5	H-7.8	J.4-10	K-5	L-8	L-10	M-5	M-8	N-10	N.8-8	N.8-10	P-5
ROOF																																		
154'-4" LEVEL 05 T/SLAB																																		
142'-8" LEVEL 04 T/SLAB																																		
132'-0" LEVEL 03 T/SLAB																																		
121'-4" LEVEL 02 T/SLAB																																		
110'-8" LEVEL 01 T/SLAB																																		
100'-0" LEVEL 00 T/SLAB																																		
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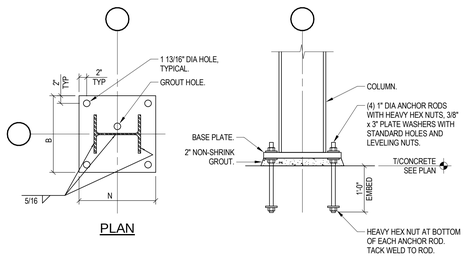
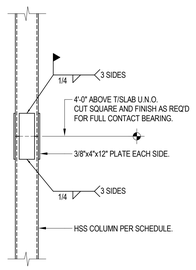


COLUMN BASE DETAIL



STEEL COLUMN SPLICE

STATE OF KENTUCKY APPROVAL

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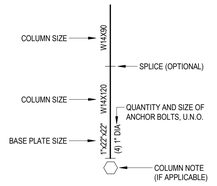
3. REFER TO S113 AND S116 FOR LOADING DIAGRAM PLANS.
4. REFER TO S211 FOR BRACING ELEVATIONS.
5. REFER TO S300 SERIES FOR FOUNDATIONS DETAILS.
6. REFER TO S400 SERIES FOR FRAMING DETAILS.
7. REFER TO S500 FOR COLD FORMED METAL FRAMING SCHEDULE AND DETAILS.
8. REFER TO S601 FOR COLUMN SCHEDULE AND BASE DETAILS.
9. REFER TO ARCHITECTURAL DRAWINGS FOR COLD FORMED METAL FRAMING WALL DIMENSIONS.
10. DATUM ELEVATION 100'-0" = 821.70'

KEY NOTES:

1. PROVIDE (1) 1" DIA. ANCHOR BOLTS WITH 24" EMBED.
2. BASE PLATE PER "COLUMN SUPPORTED ON BEAM" DETAIL ON SHEET S003.
3. COLUMN IS EXPOSED-TO-VIEW. SEE PROJECT SPECIFICATIONS FOR REQUIREMENTS.
4. T/COLUMN = 161'-9". PROVIDE 1/4" CAP PLATE AT TOP OF COLUMN.

LEGEND:



#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
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FOR
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DRAWING TITLE:
COLUMN SCHEDULE AND DETAILS

STATE OF KENTUCKY
BRAD C. SAALFELD
26869
LICENSED
PROFESSIONAL ENGINEER

JANUARY 30, 2020
DRAWN BY: MRB | CHECKED BY: BCS
18305.00

S601

BID & PERMIT SUBMITTAL

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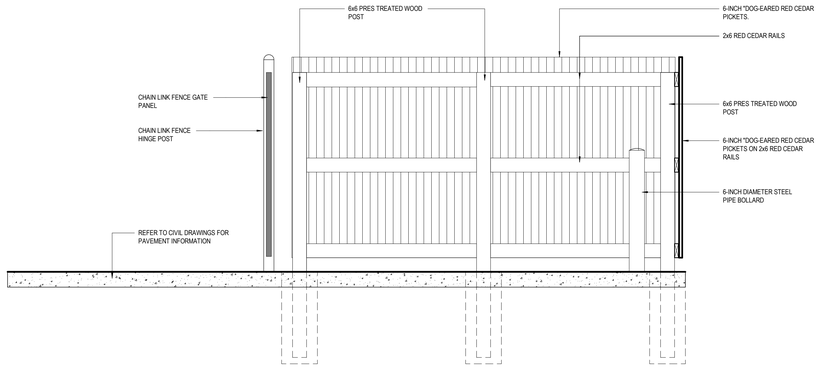
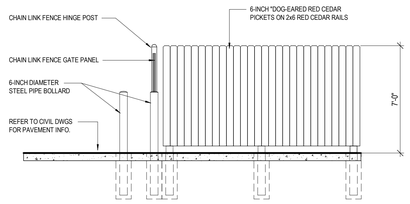
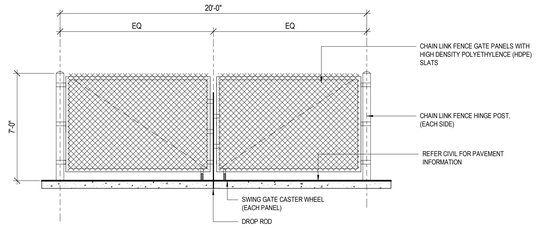
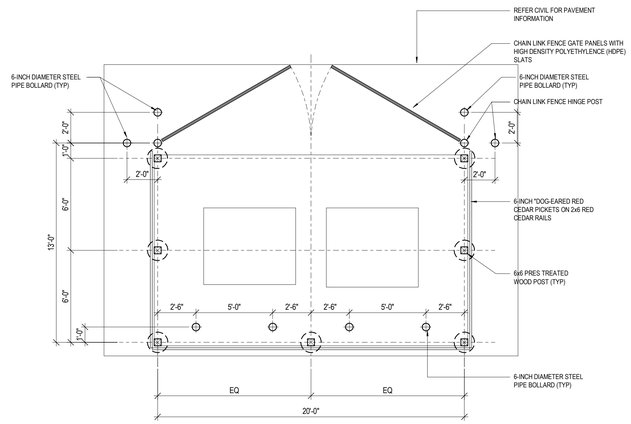


3 DUMPSTER ENCLOSURE SECTION
1/2" = 1'-0"





2 DUMPSTER ELEVATION
1/4" = 1'-0"



1 DUMPSTER ENCLOSURE PLAN
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
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FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:

DUMPSTER ENCLOSURE

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

A000

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:01:49 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-19076-01_ARCH.rvt

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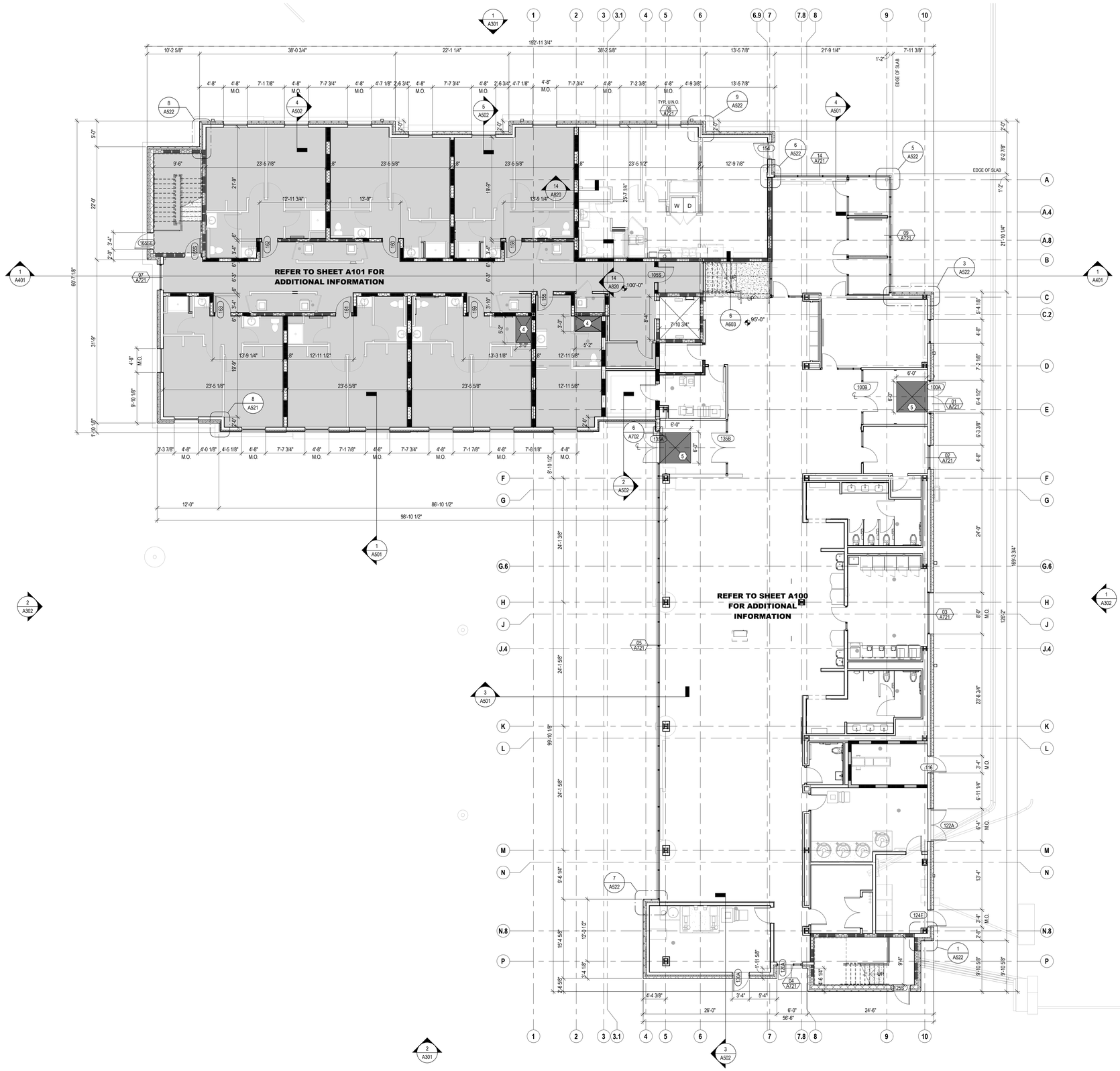


1 LEVEL 01 - FLOOR PLAN

1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

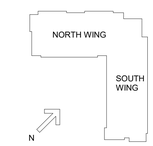
1. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF FRAMING (UNLESS NOTED OTHERWISE).
2. PERIMETER DIMENSIONS ARE TO FACE OF MASONRY/FACE OF FOUNDATION (UNLESS NOTED OTHERWISE)
3. WHERE APPLICABLE RESILIENT CHANNEL SHALL BE INSTALLED PER THE WALL TYPE ON THE CORRIDOR SIDE OF THE WALL. WHERE A CORRIDOR IS NOT INVOLVED THE LOCATION SIDE OF THE WALL TAG DETERMINES THE LOCATION SIDE OF THE RESILIENT CHANNEL AS SHOWN IN THE A120s ENLARGED PLANS EXPLICITLY. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE DETERMINED.
4. 1HR RATING IS REQUIRED AT LOAD BEARING WALLS & PRIMARY STEEL FRAME MEMBERS BETWEEN LEVELS 0 & LEVEL 2.
5. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
6. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON G007
8. MECHANICAL & ELECTRICAL EQUIPMENT SHALL BE ON HOUSEKEEPING PADS. PADS ARE TO BE PROVIDED BY THE TRADE SUPPLYING THE EQUIPMENT. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. WORK TO BE COORDINATED THROUGH THE GENERAL TRADES CONTRACTOR. PADS 4" MIN. 4" THICK W/ W.W.F., UNLESS NOTED OTHERWISE).
9. REFER TO A800 SHEETS FOR TYPICAL UNIT PLANS, RCP'S & FINISHES.
10. FOR UNIT DOORS REFER TO UNIT DOOR SCHEDULE ON SHEET A701 DOOR NUMBERS FOR UNIT ENTRY DOORS CORRESPOND WITH DOOR A/A1 ON UNIT DOOR SCHEDULE.

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF DEMISING WALL WITH FINISH FACE OF EXTERIOR WALL
2. 2-HOUR RATED MECHANICAL SHAFT. SEE SHEETS **A002, A003, & A131** SHAFT PLANS AND SECTIONS
3. PROVIDE BLOCKING, POWER, DATA & HDMI FOR TV (OFOI) & MOUNTING BRACKET (OFOI). CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. SLAB RECESS AT ROLL-IN SHOWERS, COORDINATE WITH SHOWER PLANS
5. SLAB RECESS AT WALK OFF MAT. COORDINATE WITH MAT MFR.
6. EDGE OF SLAB (E.O.S.) DIMENSIONS APPLY TO ALL FLOORS 2 - 5. SEE SHEET A003

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION TO DECK
- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
- 1 HOUR RATED BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK



#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:
LEVEL 00 / LEVEL 01 - FLOOR PLAN

JANUARY 30, 2020
DRAWN BY: **Author** CHECKED BY: **DCB**
#18237

CURTIS J. MOODY REGISTERED NO. 8596 COMMONWEALTH OF KENTUCKY ARCHITECT

A001

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:02:02 PM
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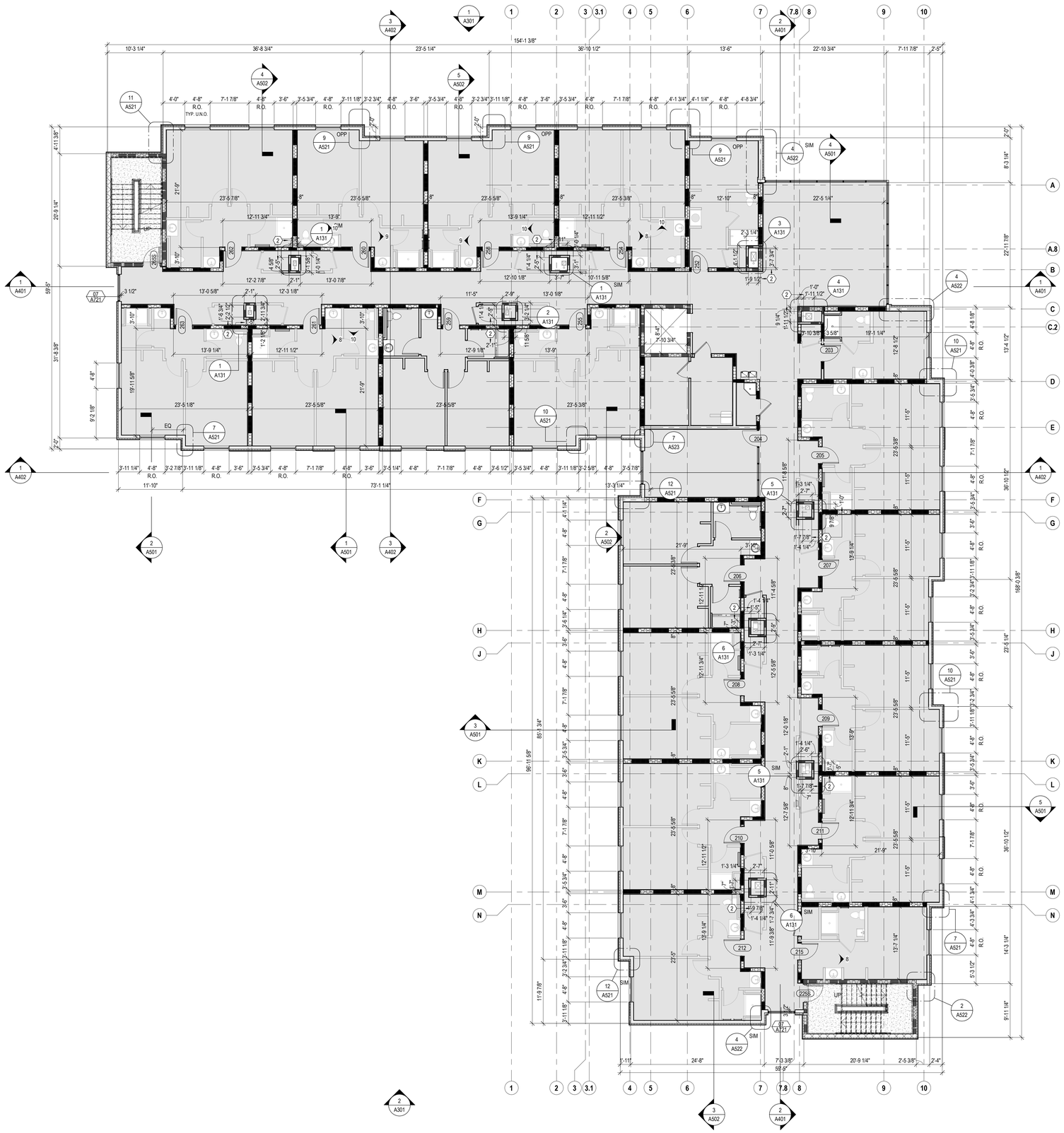

1 LEVEL 02 - FLOOR PLAN
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF FRAMING (UNLESS NOTED OTHERWISE).
2. PERIMETER DIMENSIONS ARE TO FACE OF MASONRY/FACE OF FOUNDATION (UNLESS NOTED OTHERWISE)
3. WHERE APPLICABLE RESILIENT CHANNEL SHALL BE INSTALLED PER THE WALL TYPE ON THE CORRIDOR SIDE OF THE WALL. WHERE A CORRIDOR IS NOT INVOLVED THE LOCATION SIDE OF THE WALL TAG DETERMINES THE LOCATION SIDE OF THE RESILIENT CHANNEL AS SHOWN IN THE A120s ENLARGED PLANS EXPLICITLY. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE DETERMINED.
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1. ALIGN FINISH FACE OF DEMISING WALL WITH FINISH FACE OF EXTERIOR WALL
2. 2-HOUR RATED MECHANICAL SHAFT. SEE SHEETS **A002, A003, & A131** SHAFT PLANS AND SECTIONS
3. PROVIDE BLOCKING, POWER, DATA & HDMI FOR TV (OFOI) & MOUNTING BRACKET (OFOI). CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. SLAB RECESS AT ROLL-IN SHOWERS, COORDINATE WITH SHOWER PLANS
5. SLAB RECESS AT WALK OFF MAT. COORDINATE WITH MAT MFR.
6. EDGE OF SLAB (E.O.S.) DIMENSIONS APPLY TO ALL FLOORS 2 - 5. SEE SHEET A003

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION TO DECK
- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
- 1 HOUR RATED BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
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NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
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HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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434 MADISON AVENUE
COVINGTON, KY 41011

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FAX: (859) 957-1280

DRAWING TITLE:

LEVEL 2 - FLOOR PLAN

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

A002

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:02:14 PM
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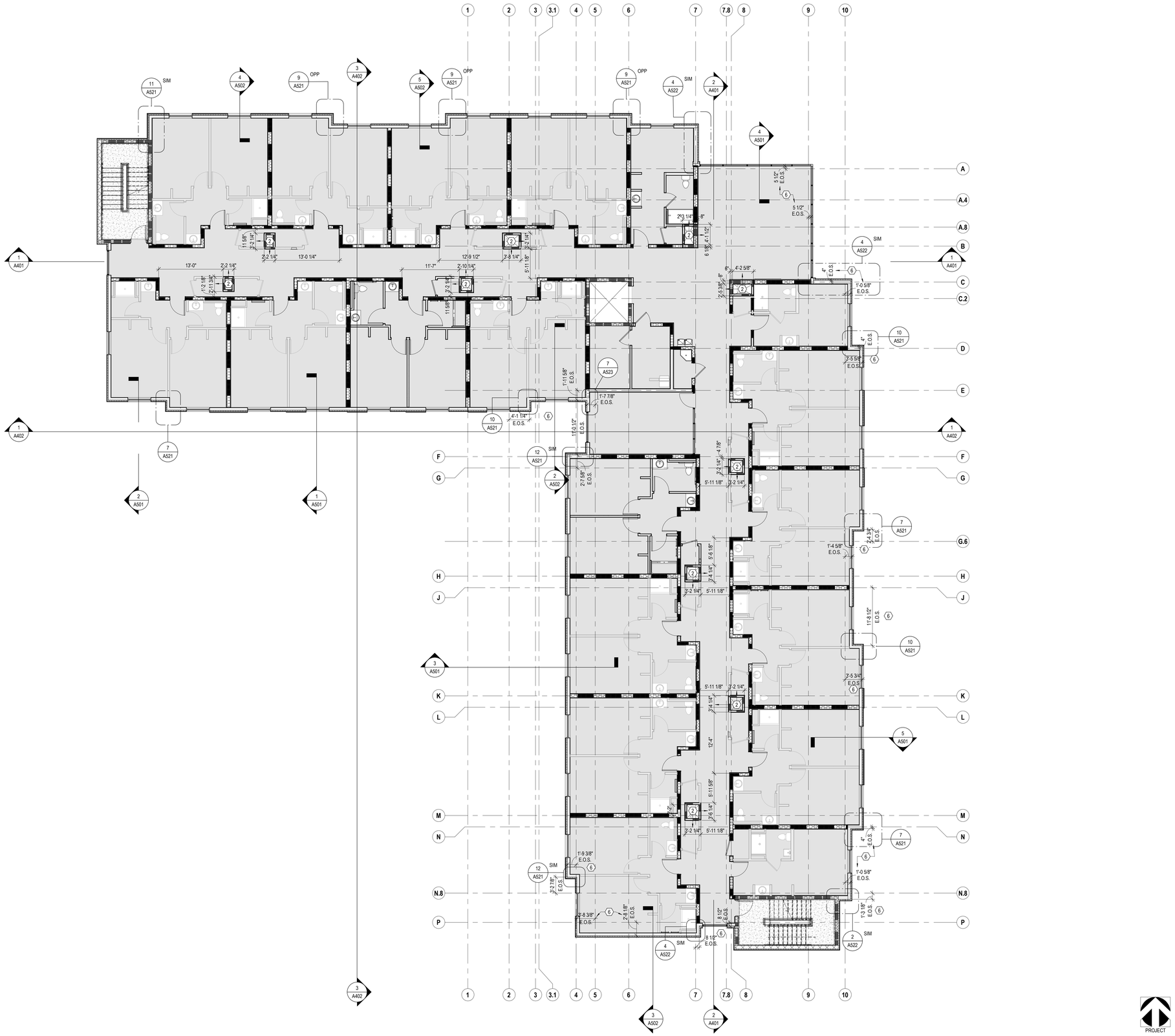

1 LEVEL 03/04/05 - FLOOR PLAN
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

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- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
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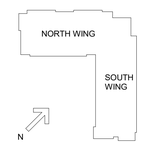

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
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FAX: (859) 957-1280

DRAWING TITLE:
LEVEL 03/ 04/ LEVEL 05 - FLOOR PLAN

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

A003

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:02:24 PM
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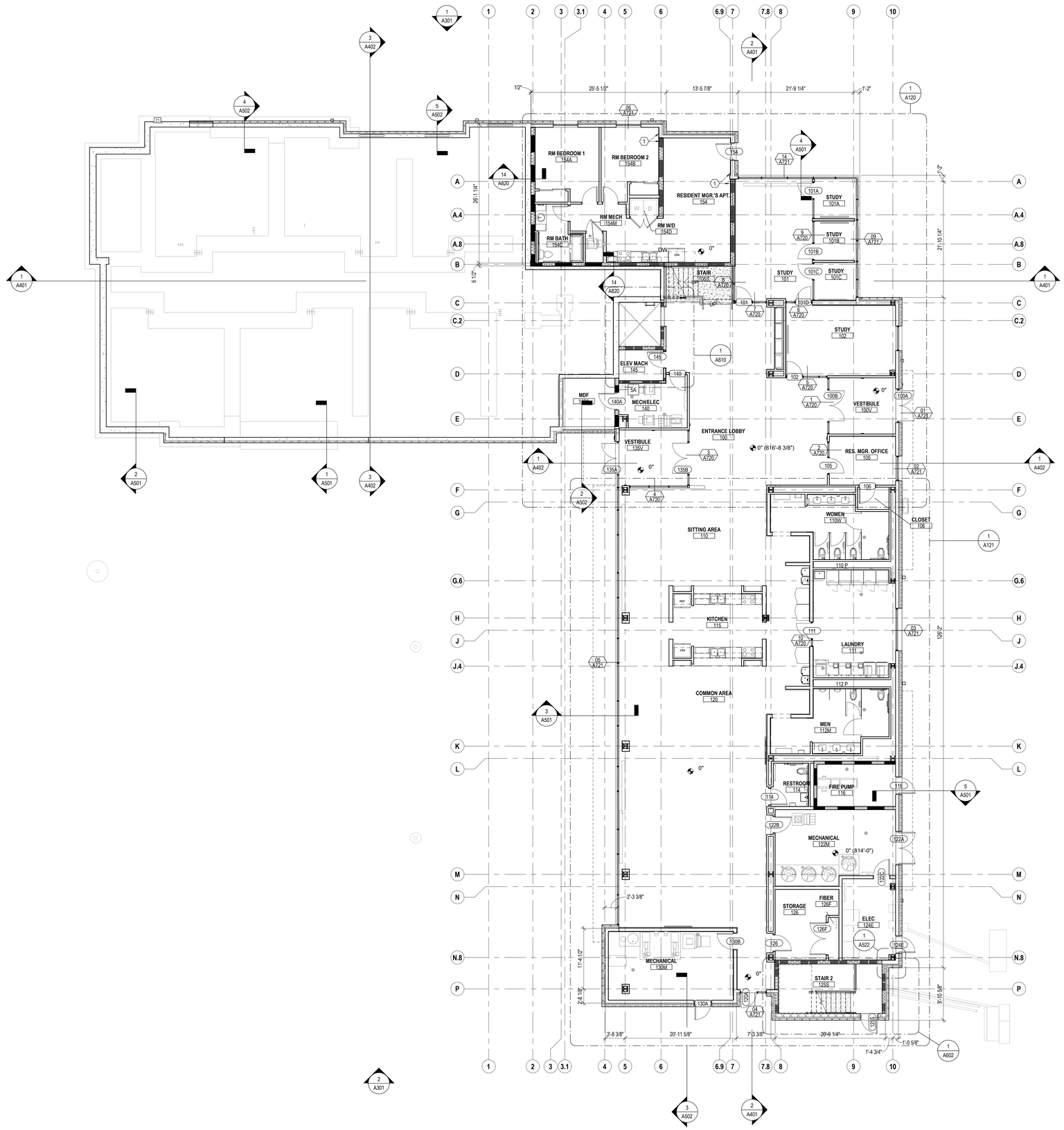

1 **LW**
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

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KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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434 MADISON AVENUE
COVINGTON, KY 41011
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LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
LEVEL 00 FLOOR PLAN - OVERALL

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A100

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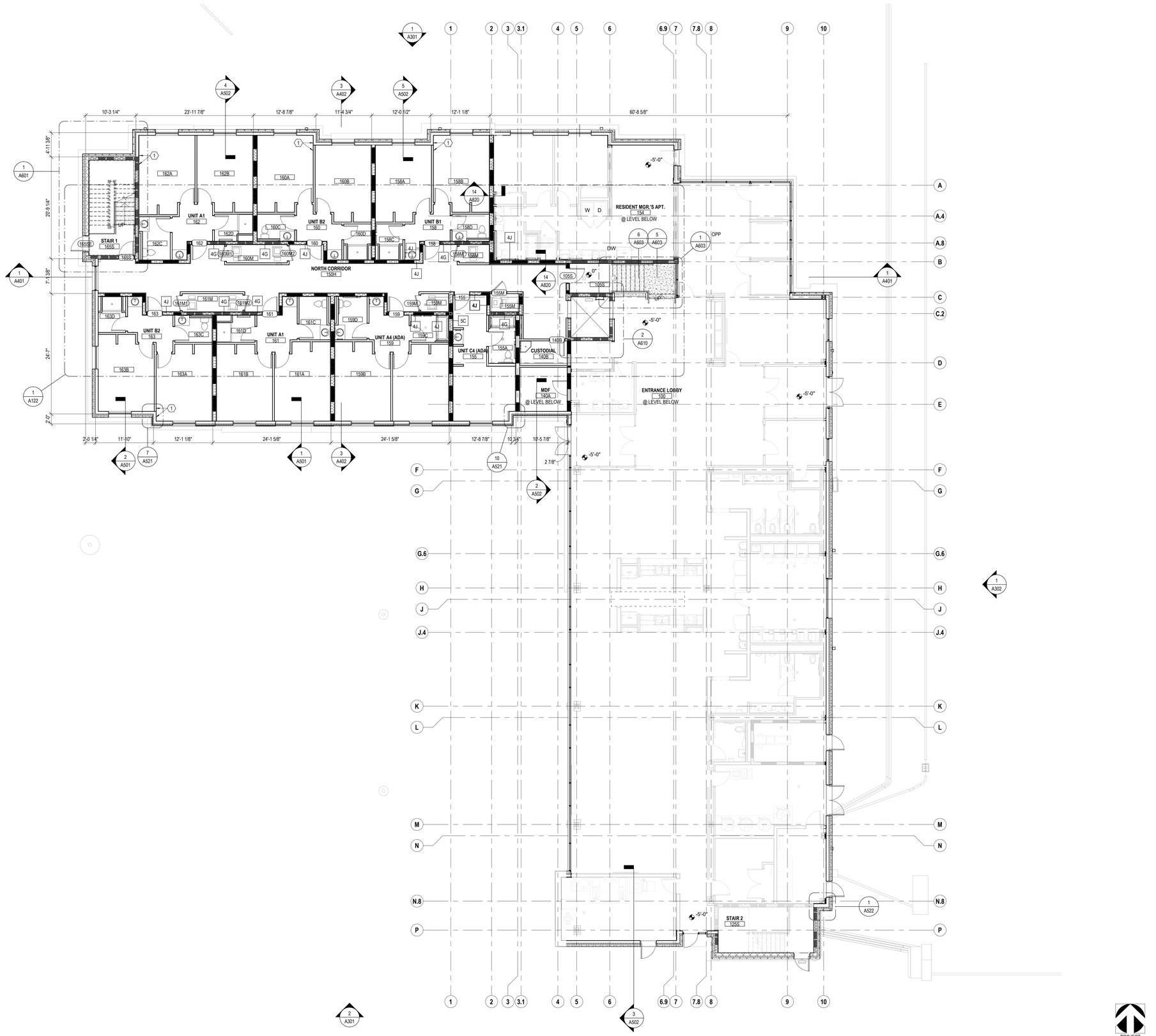

1 LEVEL 01 - OVERALL PLAN
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

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LORD AECK SARGENT
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Lexington, KY 40507 USA
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www.lordaecksargent.com

DRAWING TITLE:
LEVEL 01 FLOOR PLAN - OVERALL

JANUARY 30, 2020

DRAWN BY: **XXX** CHECKED BY: **DCB**

#18237

A101

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:02:54 PM
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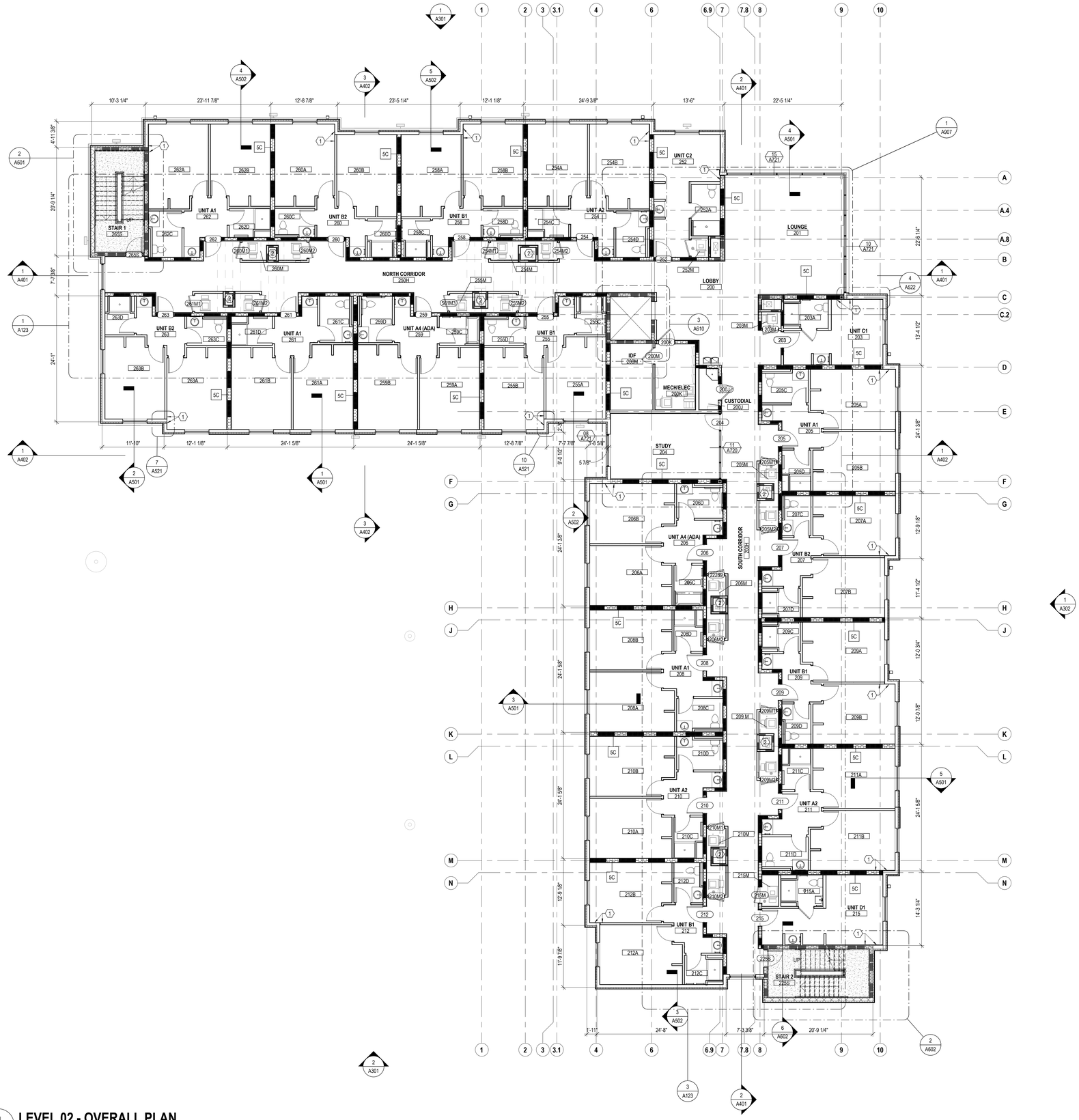

1 LEVEL 02 - OVERALL PLAN

1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

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DRAWING TITLE:
LEVEL 02 FLOOR PLAN - OVERALL

JANUARY 30, 2020

DRAWN BY: **XXX** CHECKED BY: **DCB**

#18237

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

A102

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:03:09 PM
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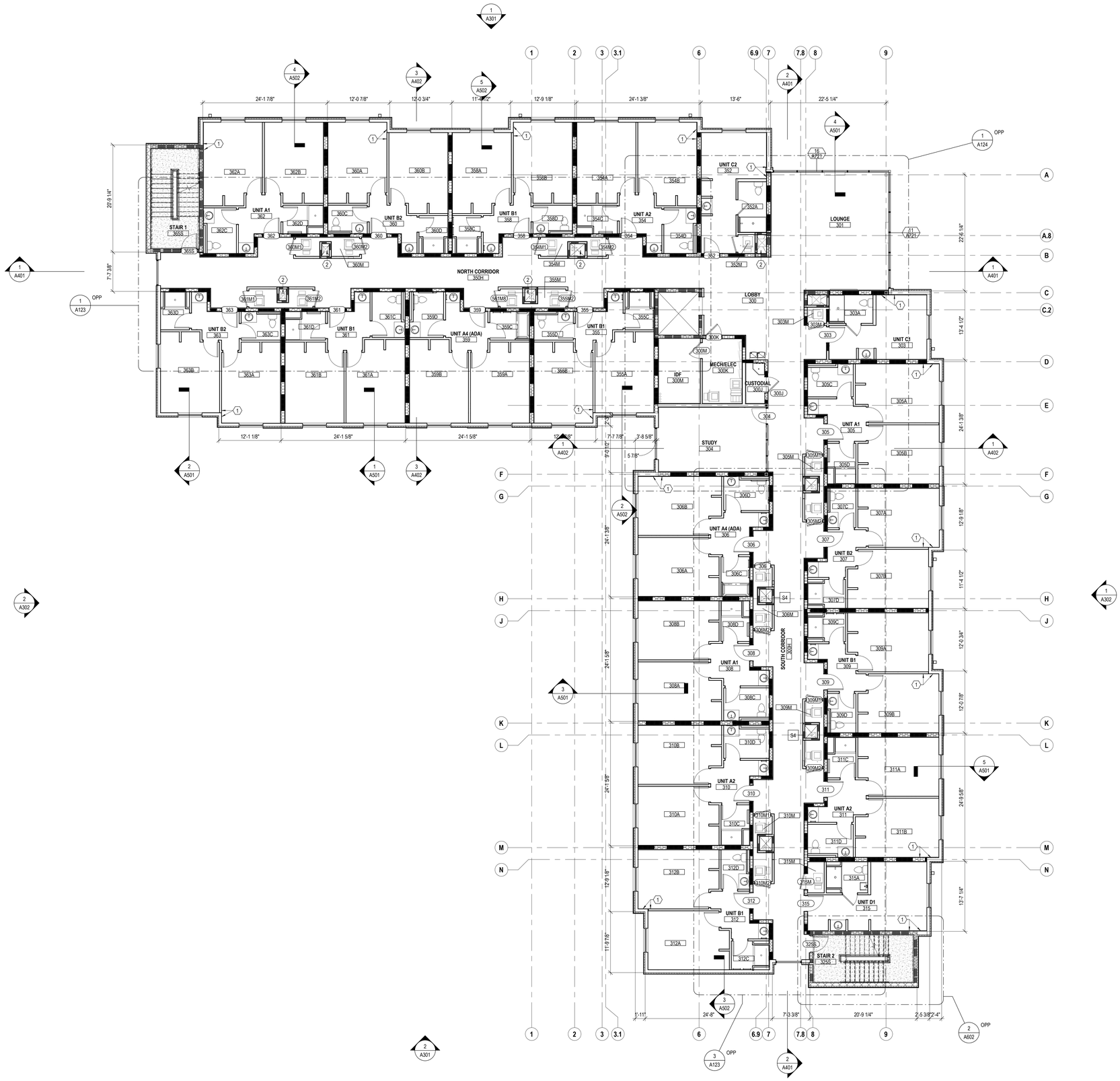

1 LEVEL 03 - OVERALL PLAN
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

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3. PROVIDE BLOCKING, POWER, DATA & HDMI FOR TV (OFOI) & MOUNTING BRACKET (OFOI). CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
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5. SLAB RECESS AT WALK OFF MAT. COORDINATE WITH MAT MFR.
6. EDGE OF SLAB (E.O.S.) DIMENSIONS APPLY TO ALL FLOORS 2 - 5. SEE SHEET A003

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION TO DECK
- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
- 1 HOUR RATED BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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269 W Main St.
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877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
LEVEL 03 FLOOR PLAN - OVERALL

JANUARY 30, 2020
DRAWN BY: **XXX** CHECKED BY: **DCB**
#18237

CURTIS J. MOODY
REGISTERED NO. 4396
COMMONWEALTH OF KENTUCKY
ARCHITECT

A103

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:03:24 PM
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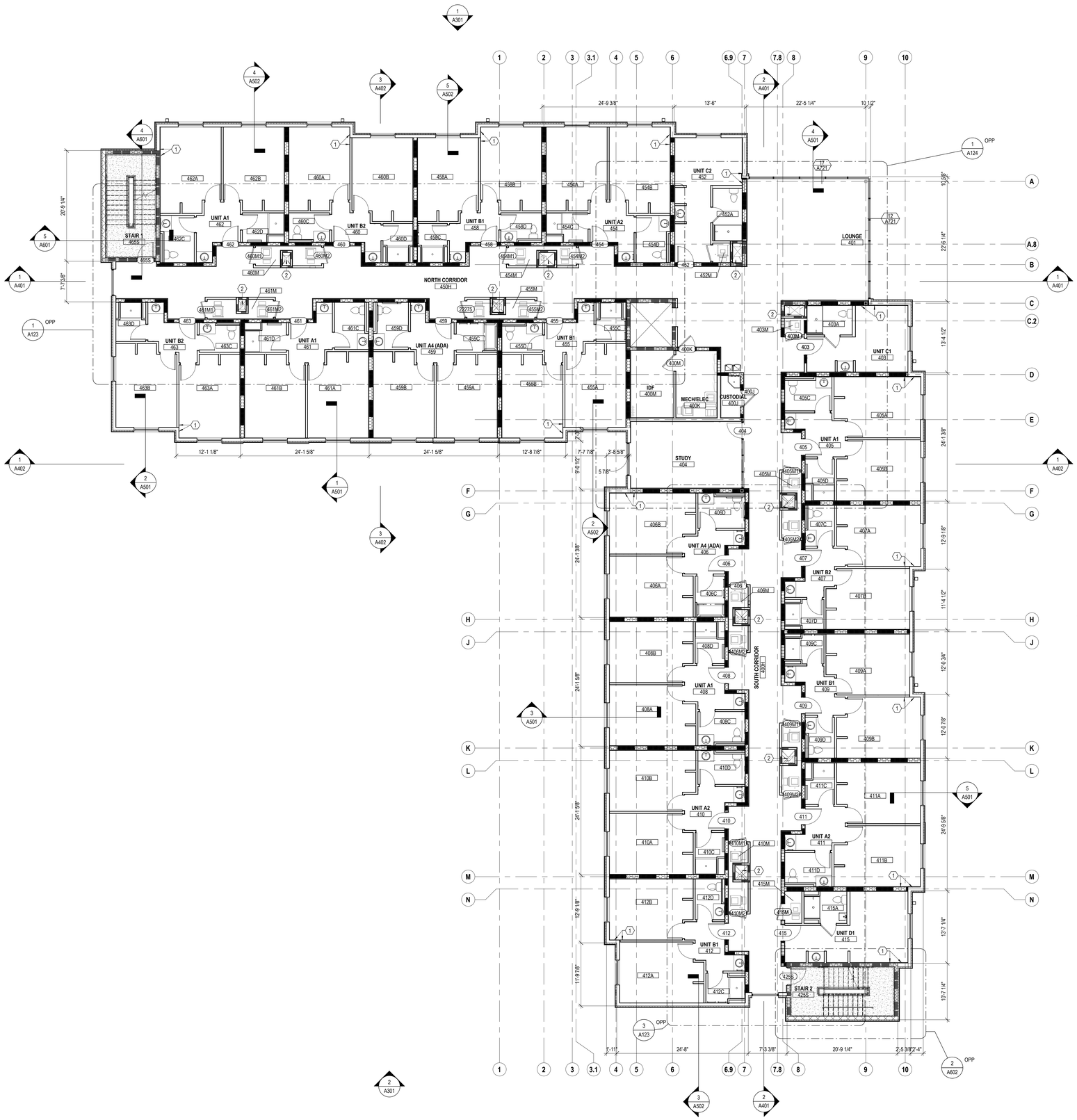

1 LEVEL 04 - OVERALL PLAN

1/8" = 1'-0"

PRINT DATE: 2/6/2020 5:03:39 PM
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STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

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DRAWING TITLE:

LEVEL 04 FLOOR PLAN - OVERALL

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

CURTIS J. MOODY REGISTERED NO. 4096 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A104

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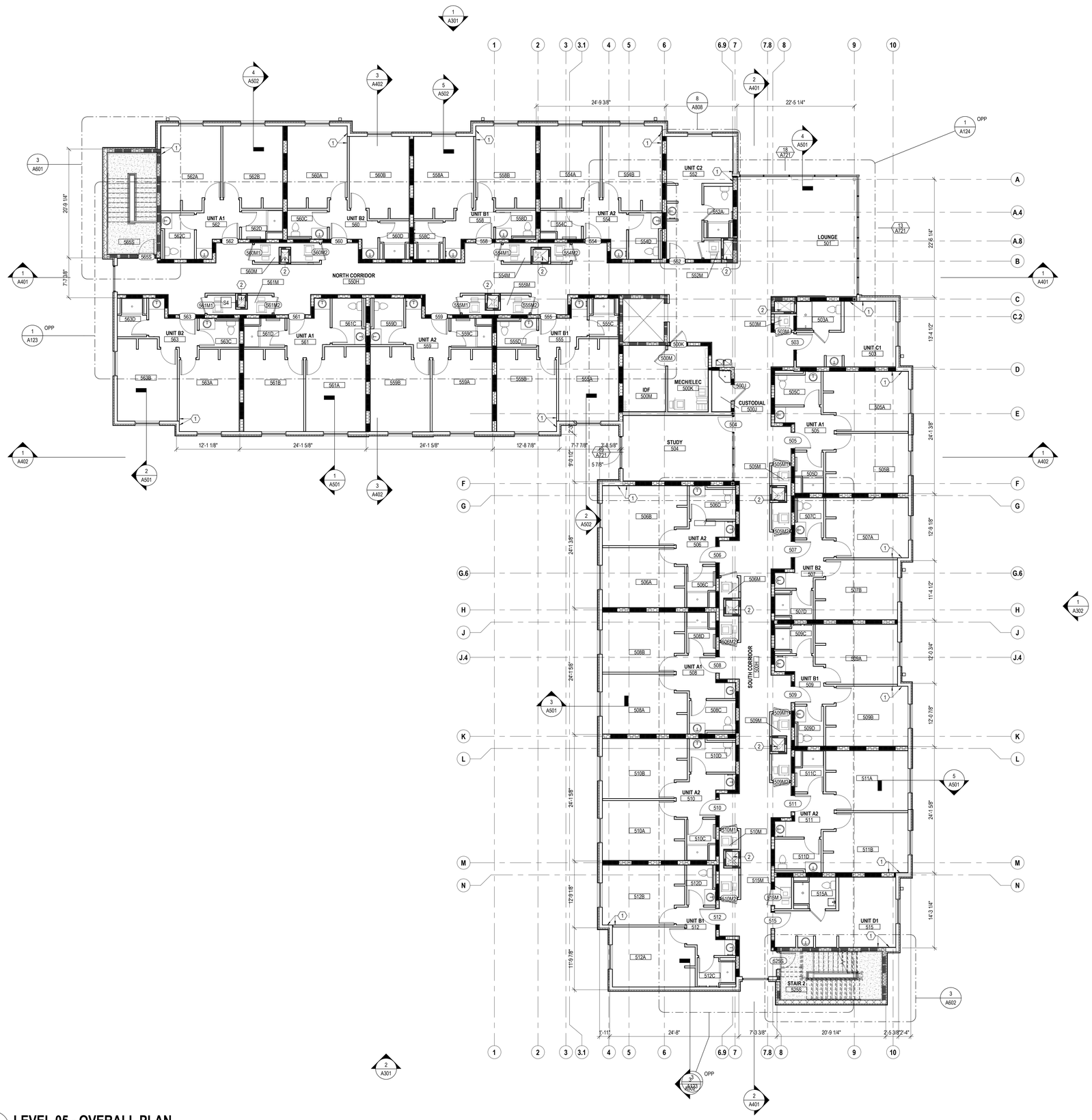

1 LEVEL 05 - OVERALL PLAN

1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

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DRAWING TITLE:

LEVEL 05 FLOOR PLAN - OVERALL

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

CURTIS J. MOODY REGISTERED NO. 4096 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A105

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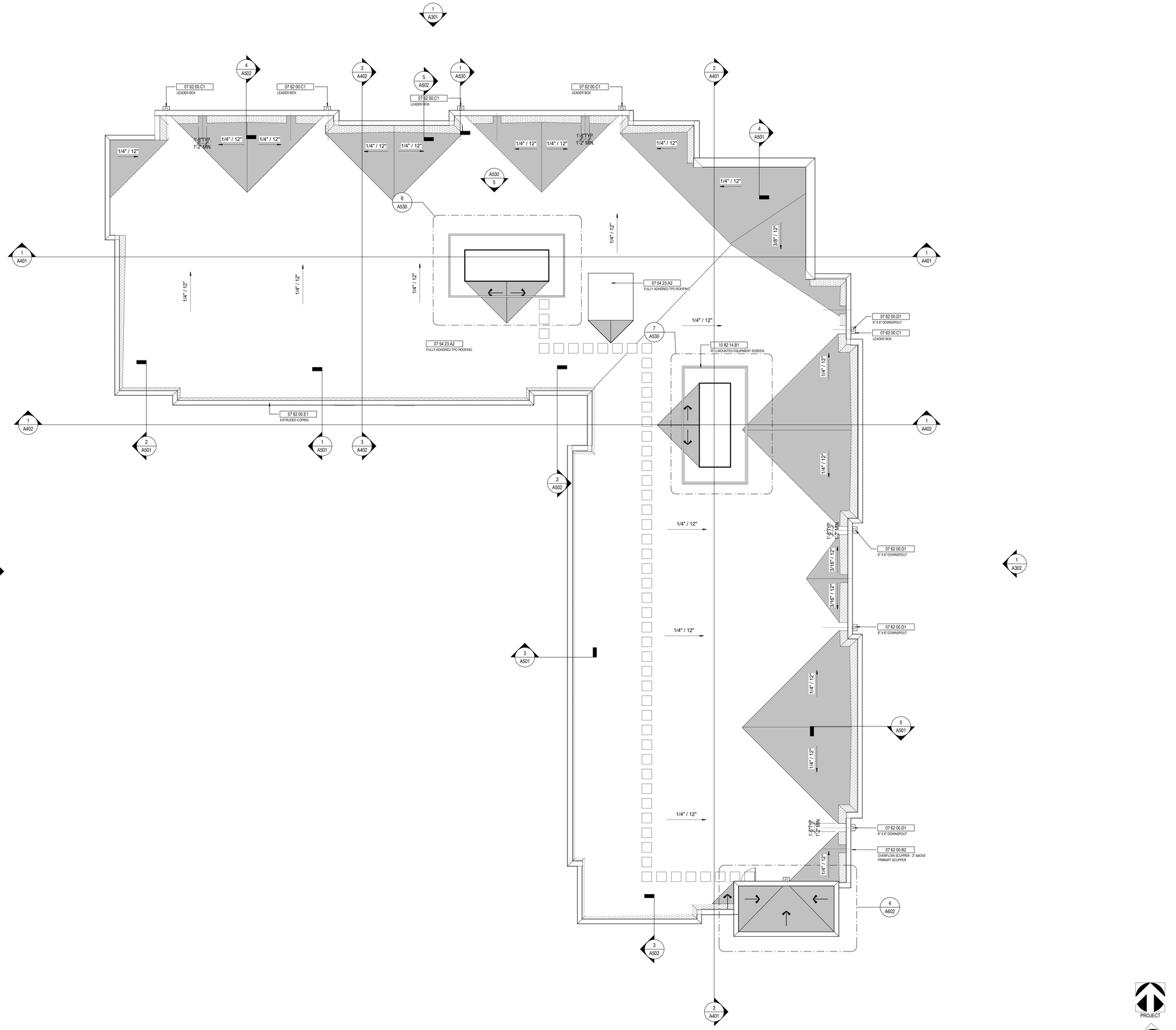

1 ROOF PLAN
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

ROOF PLAN GENERAL NOTES

1. ROOFING CONTRACTOR SHALL REFER TO MEP AND STRUCTURAL DWGS TO DETERMINE QUANTITY, TYPE AND LOCATION OF ROOF PENETRATIONS.
2. ALL LOW SLOPE ROOFS SHALL HAVE A MINIMUM SLOPE OF 1/4" PER FT, UNLESS NOTED OTHERWISE.
3. ROOFING MANUFACTURER'S STANDARD WARRANTED DETAILS SHALL APPLY TO ALL ROOF PENETRATIONS, WHETHER OR NOT DETAILED IN THESE DWGS.
4. ROOFTOP MECHANICAL EQUIPMENT NOTED ABOVE SHALL BE PROVIDED WITH ROOF CURBS. REFER FLASHING DETAIL 4/A506.
5. REFER STRUCTURAL DWGS FOR PARAPET WALL BRACING.
6. TAPERED INSULATION IS SHOWN SHADED IN PLAN. PROVIDE TAPERED INSULATION WHERE INDICATED AND AS NEEDED TO MAINTAIN MIN 1/4" PER FT ROOF SLOPE.
7. ARROWS ON ROOF PLANS INDICATE GENERAL DIRECTION OF ROOF SLOPE, EITHER USING SLOPED STRUCTURE OR USING TAPERED INSULATION.
8. PROVIDE 2' x 2' x 2" THICK PRECAST CONCRETE SPLASH BLOCKS AT ALL DOWNSPOUT DISCHARGES.
9. PROVIDE CRICKETS ON THE UPHILL SIDE OF ALL ROOF CURBS AND SIMILAR DRAINAGE OBSTRUCTIONS.
10. ROOF PLAN ABBREVIATIONS:
    - RD - ROOF DRAIN. REFER DETAIL 3/A506
    - OD - OVERFLOW DRAIN. REFER DETAIL 2/A506
    - OS - OVERFLOW SCUPPER. REFER DETAILS 22/A501 AND 21/A502
    - RA - WINDOW WASHING ROOF ANCHOR. REFER DETAIL 5/A506
    - EF - EXHAUST FAN OR VENT. REFER HVAC DWGS
    - CU - CONDENSING UNIT. REFER HVAC DWGS
    - IV - INTAKE VENT. REFER HVAC DWGS
    - CT - ROOFTOP COOLING TOWERS ON STEEL FRAME. REFER HVAC DWGS FOR EQUIPMENT AND STRUCT DWGS FOR SUPPORT FRAME. REFER 7/A506 FOR STEEL TUBE FLASHING
    - VTR - VENT THROUGH ROOF. REFER PLUMBING DWGS AND DETAIL 1/A506
11. ROOFING SYSTEMS:
    A. BASE BID:
        - FULLY-ADHERED TPO MEMBRANE
        - COVER BOARD
        - TAPERED RIGID ROOF INSULATION WHERE INDICATED
        - 6" RIGID ROOF INSULATION (R30)
        - 5/8" TYPE X GYPSUM WALLBOARD

    B. BID ALTERNATE:
        - FULLY-ADHERED TWO-PLY MEMBRANE
        - COVER BOARD
        - TAPERED RIGID ROOF INSULATION WHERE INDICATED
        - 6" RIGID ROOF INSULATION (R30)

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
07 54 23.A2	FULLY ADHERED TPO ROOFING
07 62 00.B2	OVERFLOW SCUPPER - 2" ABOVE PRIMARY SCUPPER
07 62 00.C1	LEADER BOX
07 62 00.D1	6" X 6" DOWNSPOUT
07 62 00.E1	EXTRUDED COPING
10 82 14.B1	RTU MOUNTED EQUIPMENT SCREEN

#	DATE	CHANGE DESCRIPTION

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DRAWING TITLE:

ROOF PLAN - OVERALL

CURTIS J. MOODY
REGISTERED NO. 4996
COMMONWEALTH OF KENTUCKY
ARCHITECT

JANUARY 30, 2020
DRAWN BY: Author | CHECKED BY: DCB
#18237

A106

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:04:01 PM
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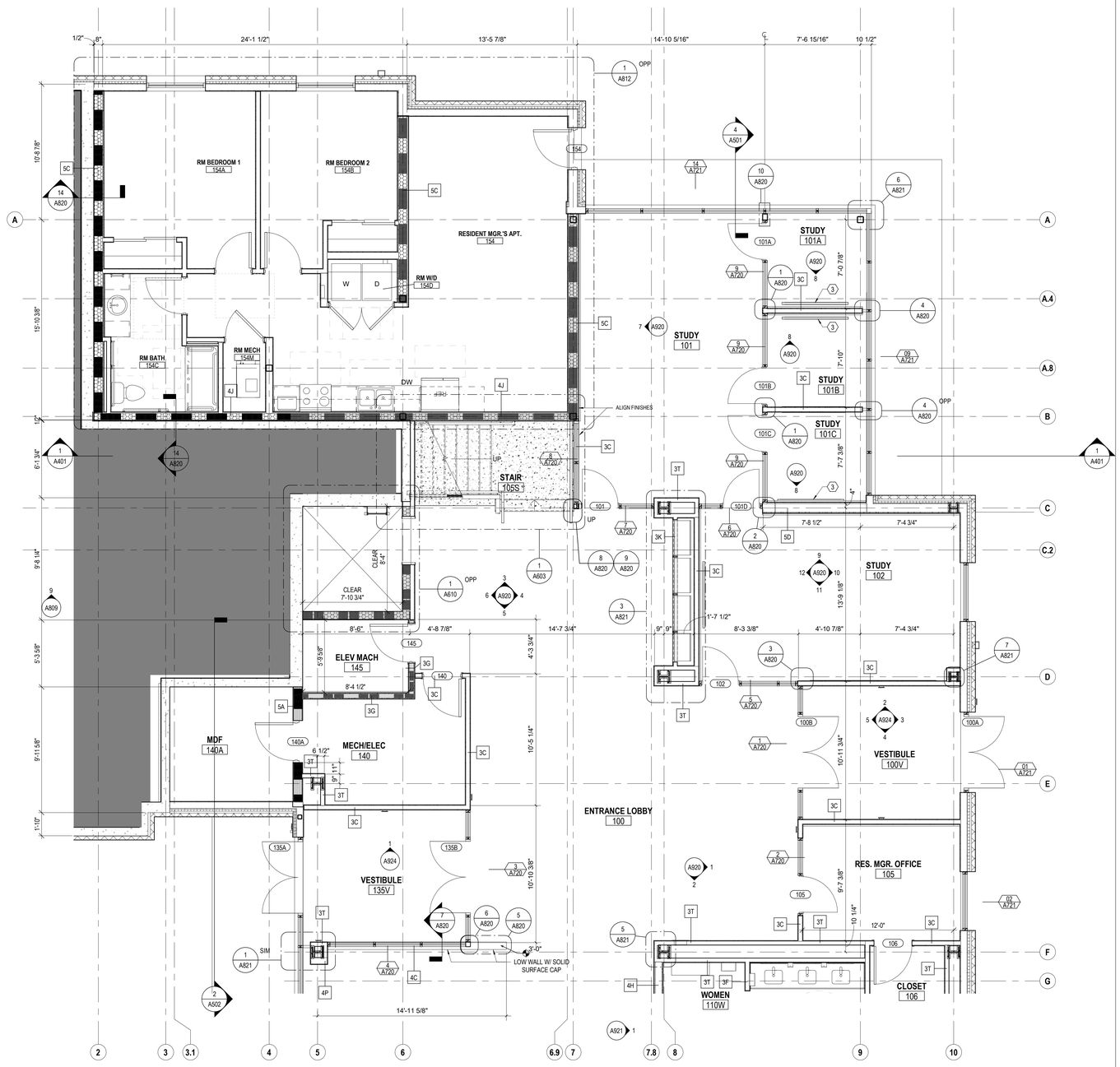

1 **ENLARGED PLAN** LOBBY AREA, LEVEL 0
1/4" = 1'-0"
REF: 1 / A100

STATE OF KENTUCKY APPROVAL

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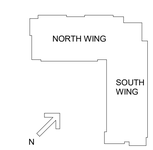
KEY VALUE — VERTICAL TEXT



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DRAWING TITLE:
ENLARGED PLANS - LOBBY AREA

JANUARY 30, 2020

DRAWN BY: **Author** | CHECKED BY: **XXX**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A120

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:04:19 PM
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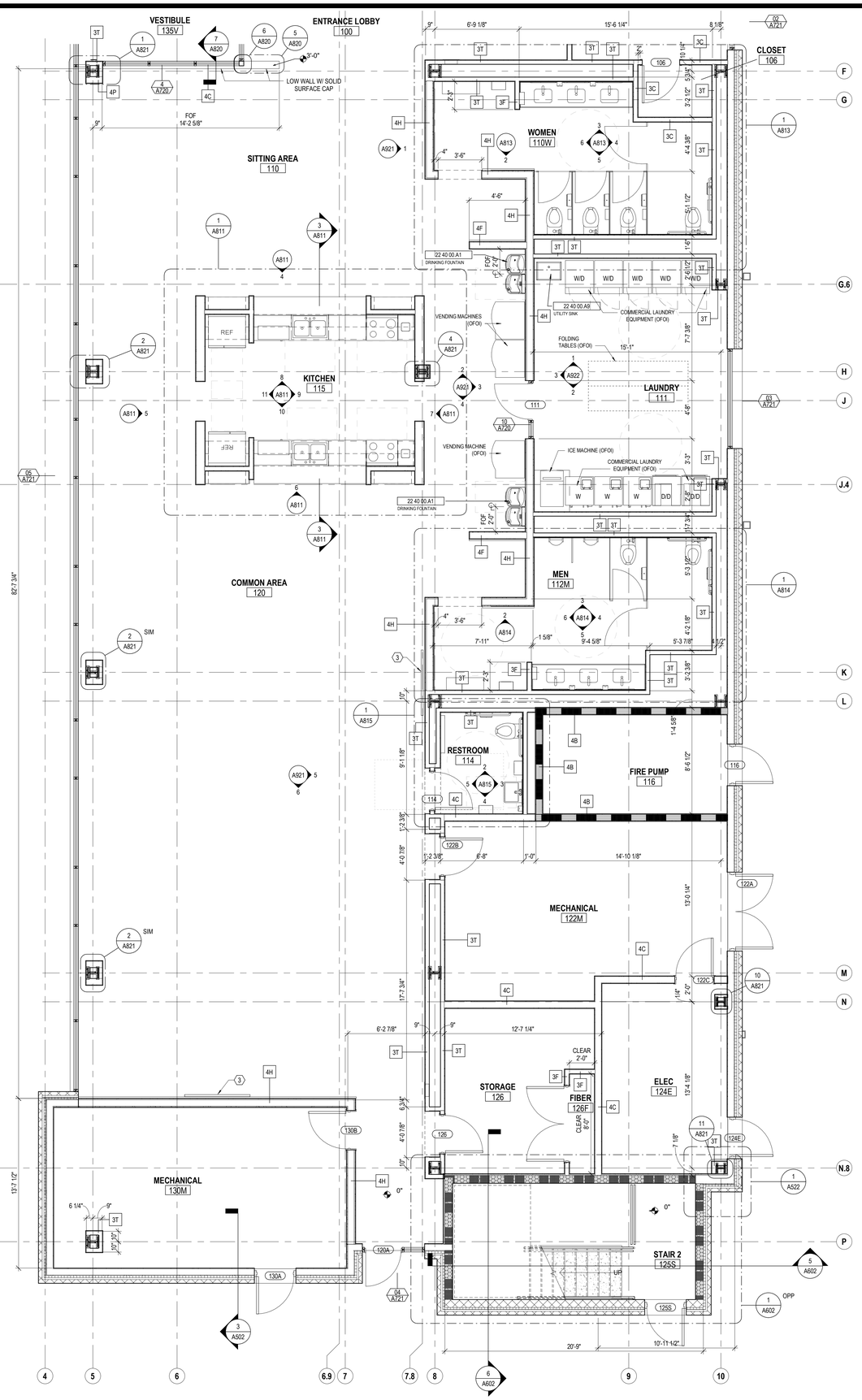

1 **ENLARGED PLAN** COMMON AREA, LEVEL 0
1/4" = 1'-0" REF: 1 / A100

STATE OF KENTUCKY APPROVAL

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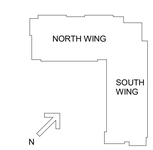
6. EDGE OF SLAB (E.O.S.) DIMENSIONS APPLY TO ALL FLOORS 2 - 5. SEE SHEET A003

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION TO DECK
- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
- 1 HOUR RATED BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK

KEY VALUE	KEYNOTE TEXT
22 40 00.A1	DRINKING FOUNTAIN
22 40 00.A9	UTILITY SINK



#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
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A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
ENLARGED PLANS - COMMON AREAS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **XXX**

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A121

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:04:20 PM
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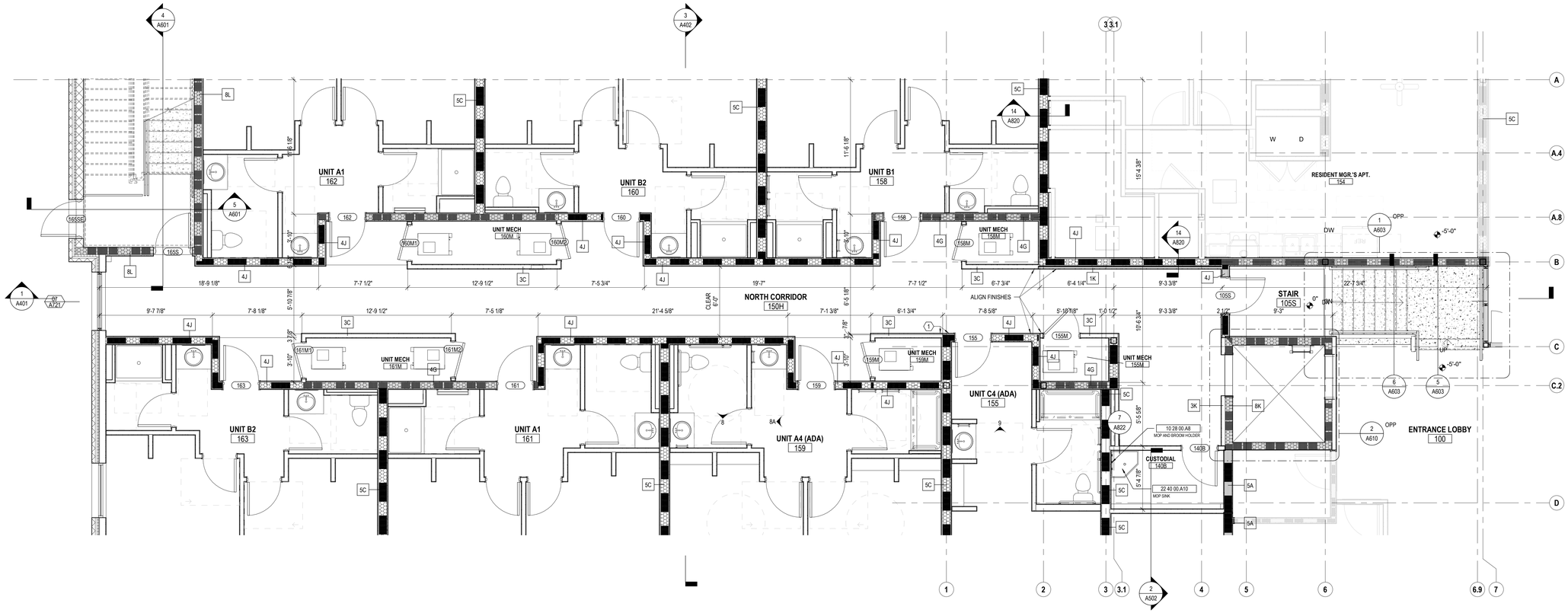


1 ENLARGED PLAN NORTH CORRIDOR, LEVEL 1

1/4" = 1'-0" REF: 1 / A101

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF FRAMING (UNLESS NOTED OTHERWISE).
2. PERIMETER DIMENSIONS ARE TO FACE OF MASONRY/FACE OF FOUNDATION (UNLESS NOTED OTHERWISE)
3. WHERE APPLICABLE RESILIENT CHANNEL SHALL BE INSTALLED PER THE WALL TYPE ON THE CORRIDOR SIDE OF THE WALL. WHERE A CORRIDOR IS NOT INVOLVED THE LOCATION SIDE OF THE WALL TAG DETERMINES THE LOCATION SIDE OF THE RESILIENT CHANNEL AS SHOWN IN THE A120s ENLARGED PLANS EXPLICITLY. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE DETERMINED.
4. 1HR RATING IS REQUIRED AT LOAD BEARING WALLS & PRIMARY STEEL FRAME MEMBERS BETWEEN LEVELS 0 & LEVEL 2
5. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
6. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON G007
8. MECHANICAL & ELECTRICAL EQUIPMENT SHALL BE ON HOUSEKEEPING PADS. PADS ARE TO BE PROVIDED BY THE TRADE SUPPLYING THE EQUIPMENT. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. WORK TO BE COORDINATED THROUGH THE GENERAL TRADES CONTRACTOR. PADS 4" MIN. 4" THICK W/ W.W.F., UNLESS NOTED OTHERWISE).
9. REFER TO A800 SHEETS FOR TYPICAL UNIT PLANS, RCP'S & FINISHES.
10. FOR UNIT DOORS REFER TO UNIT DOOR SCHEDULE ON SHEET A701 UNIT DOOR NUMBERS FOR UNIT ENTRY DOORS CORRESPOND WITH DOOR A/A1 ON UNIT DOOR SCHEDULE.

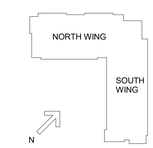
CODED NOTE LEGEND

1. ALIGN FINISH FACE OF DEMISING WALL WITH FINISH FACE OF EXTERIOR WALL
2. 2-HOUR RATED MECHANICAL SHAFT. SEE SHEETS **A002, A003, & A131** SHAFT PLANS AND SECTIONS
3. PROVIDE BLOCKING, POWER, DATA & HDMI FOR TV (OFOI) & MOUNTING BRACKET (OFOI). CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. SLAB RECESS AT ROLL-IN SHOWERS, COORDINATE WITH SHOWER PLANS
5. SLAB RECESS AT WALK OFF MAT. COORDINATE WITH MAT MFR.
6. EDGE OF SLAB (E.O.S.) DIMENSIONS APPLY TO ALL FLOORS 2 - 5. SEE SHEET A003

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION TO DECK
- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
- 1 HOUR RATED BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK

KEY VALUE	KEYNOTE TEXT
10 28 00.A8	MOP AND BROOM HOLDER
22 40 00.A10	MOP SINK



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NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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DRAWING TITLE:
ENLARGED PLANS - CORRIDORS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **XXX**

#18237

CURTIS J. MOODY REGISTERED NO. 4096 COMMONWEALTH OF KENTUCKY ARCHITECT

A122

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:04:29 PM
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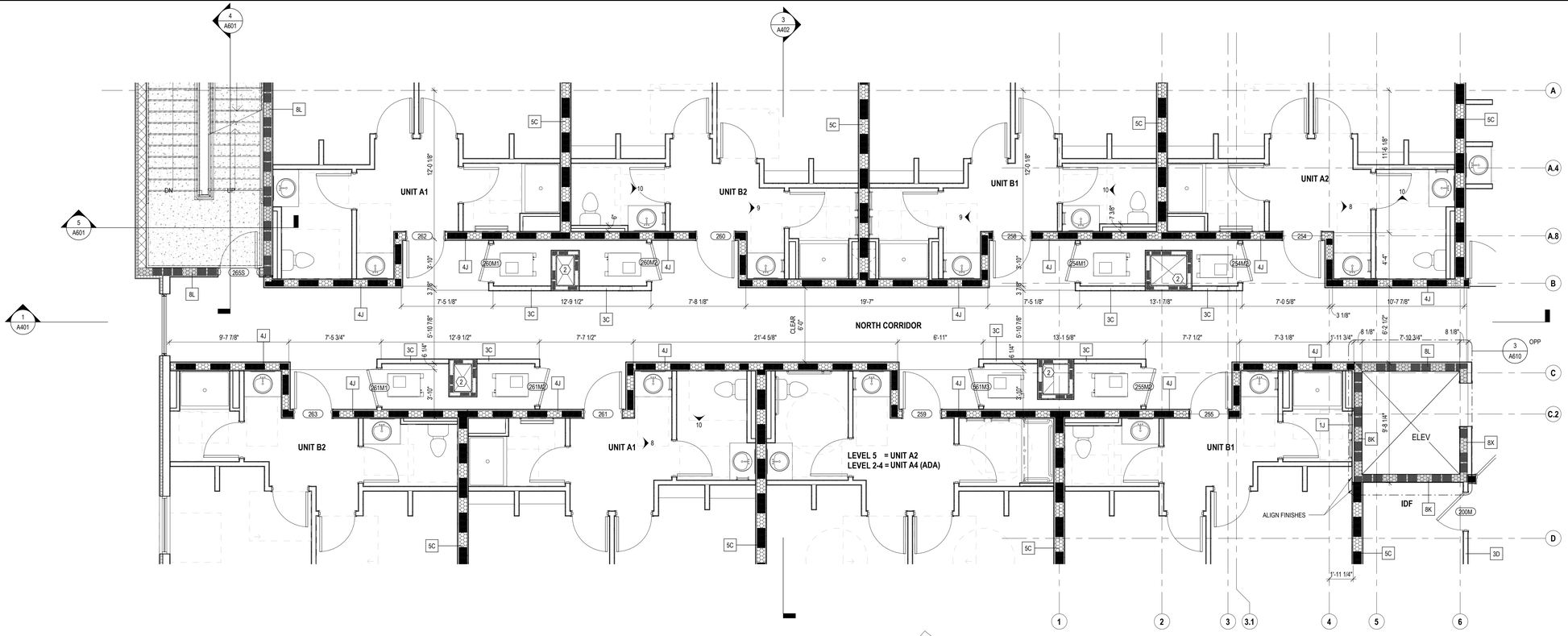
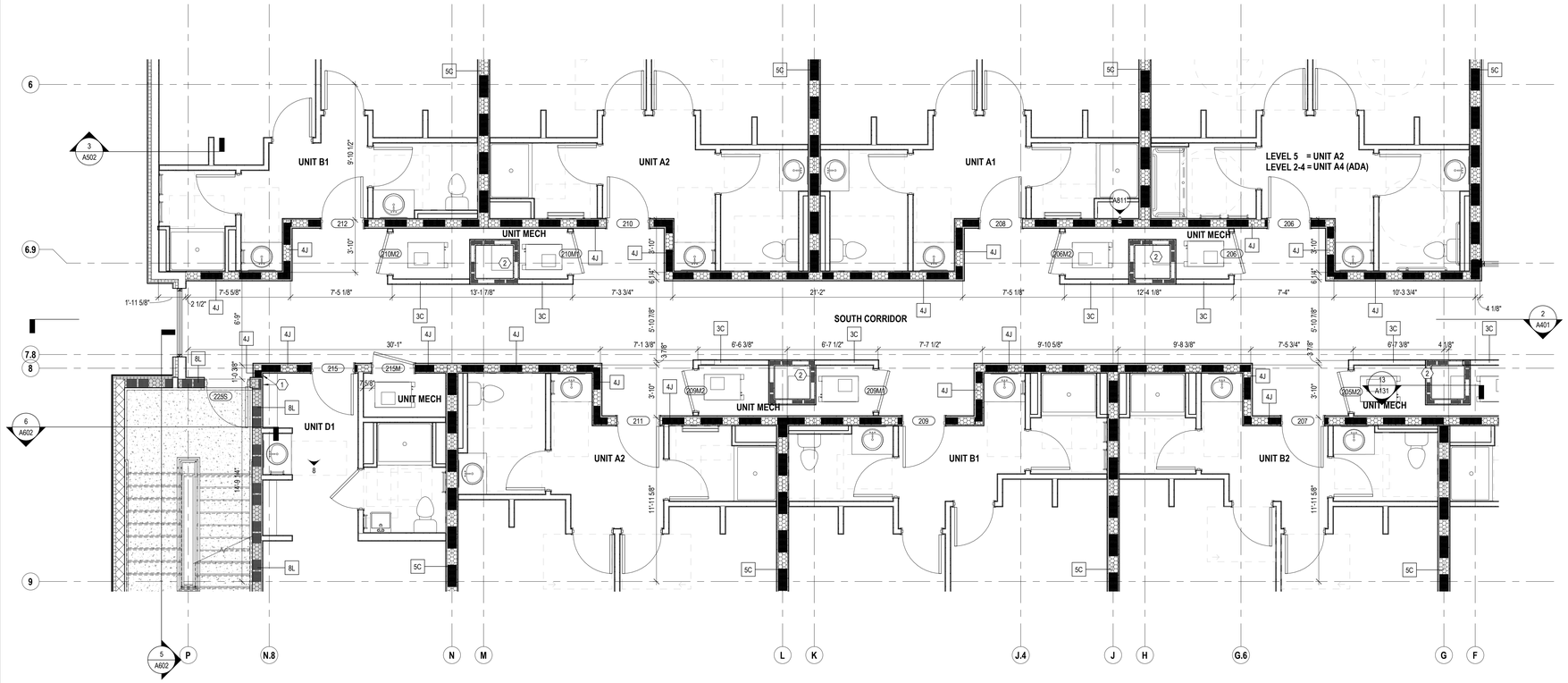


1 ENLARGED PLAN NORTH CORRIDOR, LEVELS 2 TO 5, TYP.

1/4" = 1'-0" REF: 1 / A102



3 ENLARGED PLAN SOUTH CORRIDOR, LEVELS 2 TO 5, TYP.

1/4" = 1'-0" REF: 1 / A102

PRINT DATE: 2/6/2020 5:04:49 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-170976-01_ARCH.rvt

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

1. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF FRAMING (UNLESS NOTED OTHERWISE).
2. PERIMETER DIMENSIONS ARE TO FACE OF MASONRY/FACE OF FOUNDATION (UNLESS NOTED OTHERWISE)
3. WHERE APPLICABLE RESILIENT CHANNEL SHALL BE INSTALLED PER THE WALL TYPE ON THE CORRIDOR SIDE OF THE WALL. WHERE A CORRIDOR IS NOT INVOLVED THE LOCATION SIDE OF THE WALL TAG DETERMINES THE LOCATION SIDE OF THE RESILIENT CHANNEL AS SHOWN IN THE A120s ENLARGED PLANS EXPLICITLY. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE DETERMINED.
4. 1HR RATING IS REQUIRED AT LOAD BEARING WALLS & PRIMARY STEEL FRAME MEMBERS BETWEEN LEVELS 0 & LEVEL 2.
5. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
6. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON G007.
8. MECHANICAL & ELECTRICAL EQUIPMENT SHALL BE ON HOUSEKEEPING PADS. PADS ARE TO BE PROVIDED BY THE TRADE SUPPLYING THE EQUIPMENT. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. WORK TO BE COORDINATED THROUGH THE GENERAL TRADES CONTRACTOR. PADS 4" MIN. 4" THICK W/ W.W.F., UNLESS NOTED OTHERWISE).
9. REFER TO A800 SHEETS FOR TYPICAL UNIT PLANS, RCP'S & FINISHES.
10. FOR UNIT DOORS REFER TO UNIT DOOR SCHEDULE ON SHEET A701 ON UNIT DOOR NUMBERS FOR UNIT ENTRY DOORS CORRESPOND WITH DOOR A/A1 ON UNIT DOOR SCHEDULE.

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF DEMISING WALL WITH FINISH FACE OF EXTERIOR WALL
2. 2-HOUR RATED MECHANICAL SHAFT. SEE SHEETS **A002, A003, & A131** SHAFT PLANS AND SECTIONS
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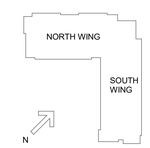
4. SLAB RECESS AT ROLL-IN SHOWERS, COORDINATE WITH SHOWER PLANS
5. SLAB RECESS AT WALK OFF MAT. COORDINATE WITH MAT MFR.
6. EDGE OF SLAB (E.O.S.) DIMENSIONS APPLY TO ALL FLOORS 2 - 5. SEE SHEET A003

RATED WALL LEGEND

- 1 HOUR RATED FIRE PARTITION TO DECK
- 1 HOUR RATED BEARING WALL AND FIRE RATED PARTITION TO DECK
- 1 HOUR RATED BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK

KEY VALUE	KEYNOTE TEXT



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DRAWING TITLE:
ENLARGED PLANS - CORRIDORS

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: XXX

CURTIS J. MOODY REGISTERED NO. 4096 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A123

BID & PERMIT SUBMITTAL

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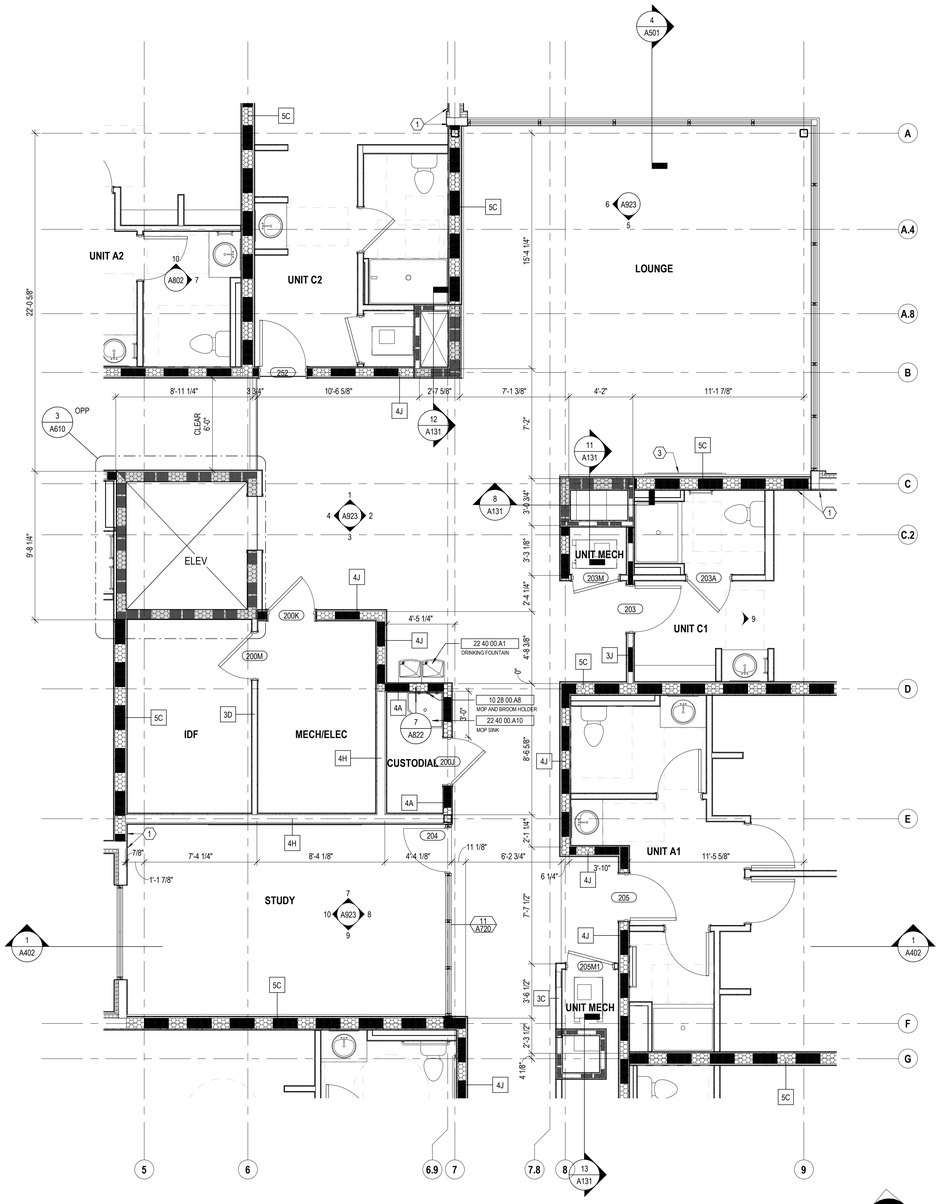

1 ENLARGED PLAN TYPICAL COMMON AREA, LEVELS 2, 3, 4, & 5.
1/4" = 1'-0" REF: 1 / A102

STATE OF KENTUCKY APPROVAL

FLOOR PLAN GENERAL NOTES

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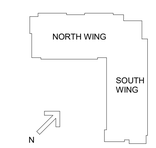
- 1 HOUR RATED FIRE BARRIER AND BEARING WALL TO DECK
- 1 HOUR RATED FIRE BARRIER TO DECK
- 2 HOUR RATED FIRE BARRIER TO DECK
- ~~2 HOUR RATED FIRE BARRIER AND BEARING WALL~~

KEY VALUE	KEYNOTE TEXT
10 28 00.A8	MOP AND BROOM HOLDER
22 40 00.A1	DRINKING FOUNTAIN
22 40 00.A10	MOP SINK



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DRAWING TITLE:
ENLARGED PLANS - COMMON AREAS

JANUARY 30, 2020
DRAWN BY: **Author** CHECKED BY: **XXX**
#18237

A124

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:04:48 PM
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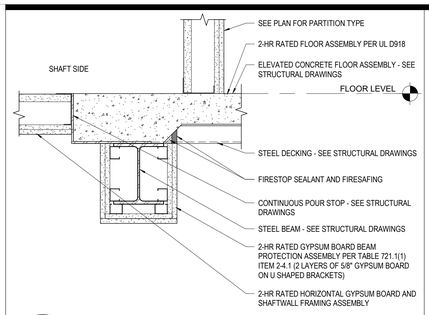
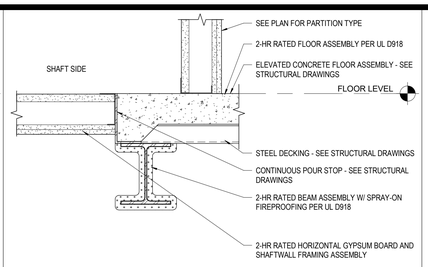


23 DETAIL SHAFT DETAIL AT FLOOR
1 1/2" = 1'-0" REF: 9 / A131



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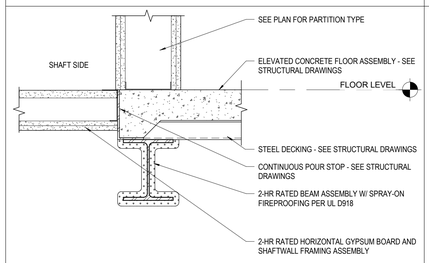

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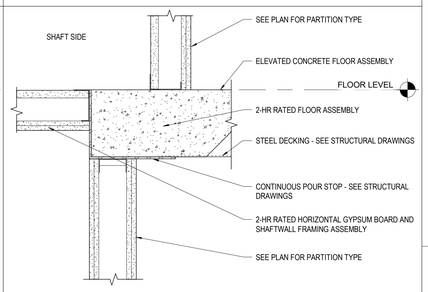

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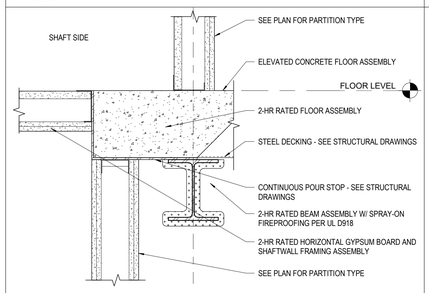

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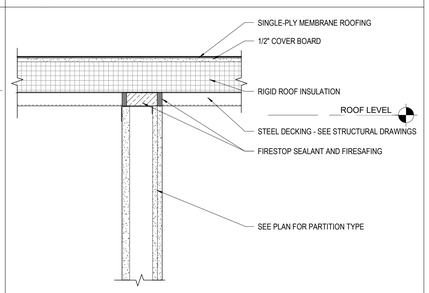
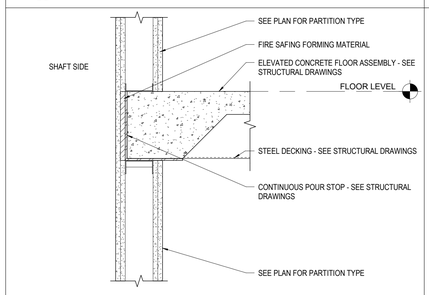


16 DETAIL SHAFT AT ROOF
1 1/2" = 1'-0" REF: 7 / A131



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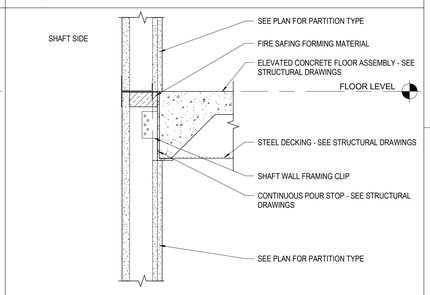

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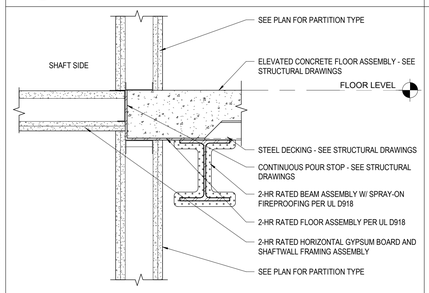

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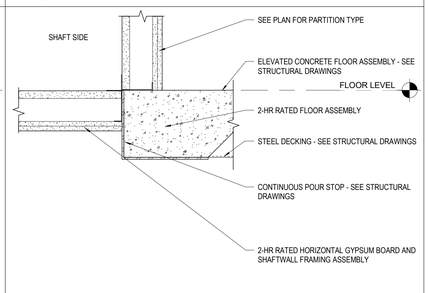

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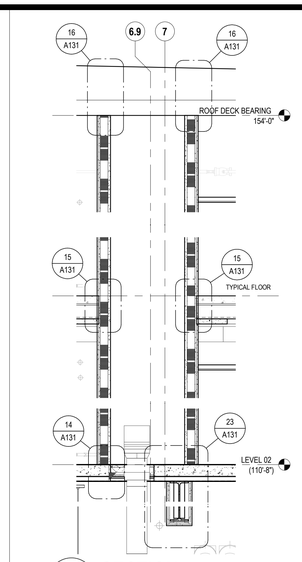

9 SECTION SHAFT CONDITION 7
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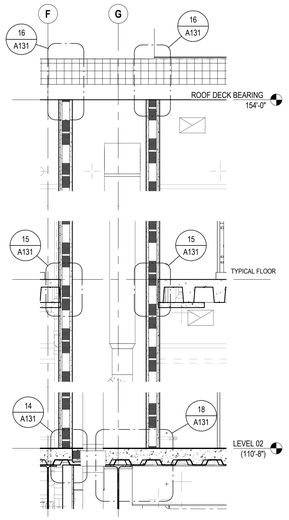

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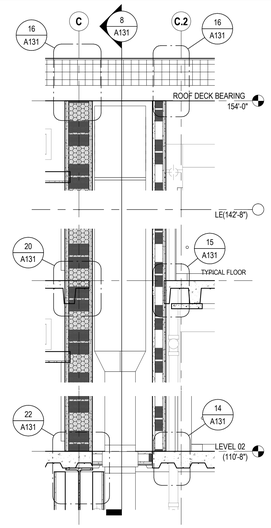

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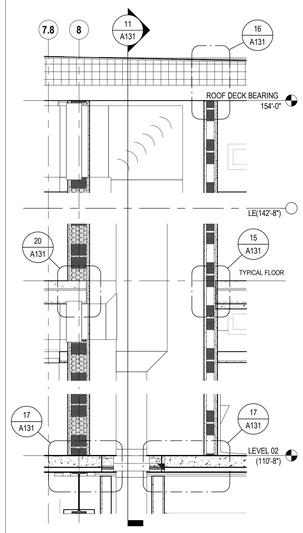
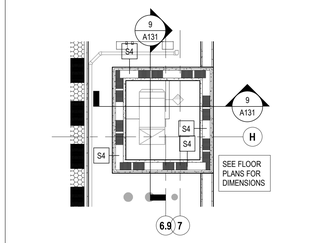
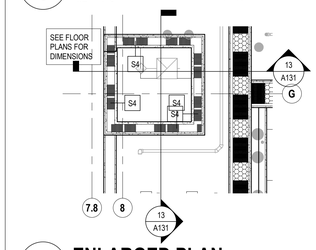


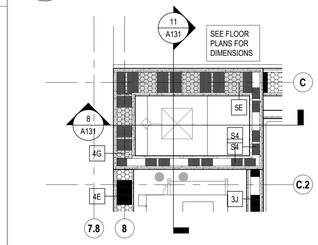
8 SECTION SHAFT CONDITION 4
1/2" = 1'-0" REF: 1 / A124



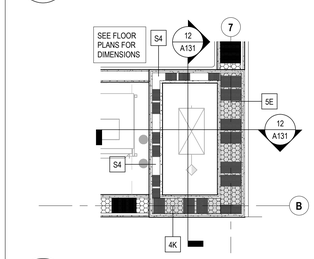
6 ENLARGED PLAN SHAFT TYPE 6
1/2" = 1'-0" REF: 1 / A002



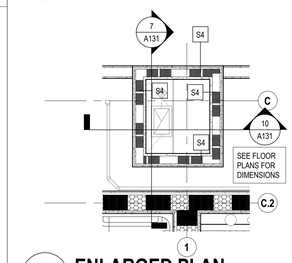
5 ENLARGED PLAN SHAFT TYPE 5
1/2" = 1'-0" REF: 1 / A002



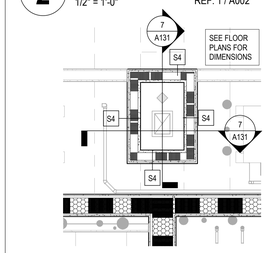
4 ENLARGED PLAN SHAFT TYPE 4
1/2" = 1'-0" REF: 1 / A002



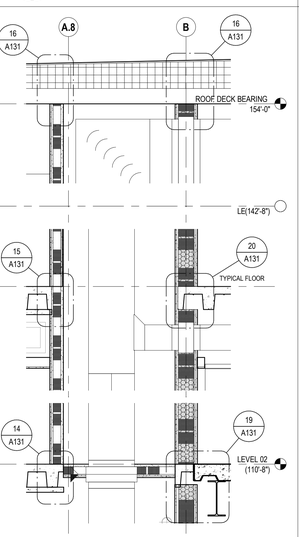
3 ENLARGED PLAN SHAFT TYPE 3
1/2" = 1'-0" REF: 1 / A002



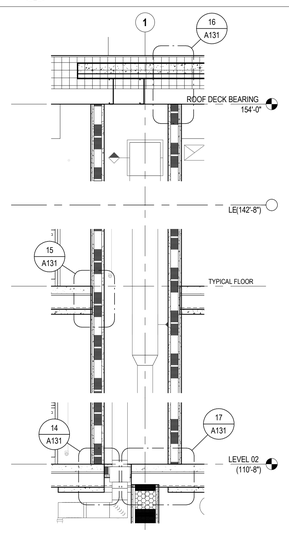
2 ENLARGED PLAN SHAFT TYPE 2
1/2" = 1'-0" REF: 1 / A002



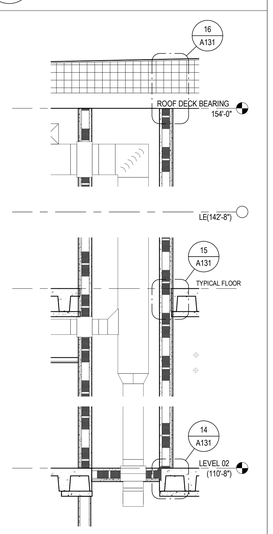
1 ENLARGED PLAN SHAFT TYPE 1
1/2" = 1'-0" REF: 1 / A002



12 SECTION SHAFT CONDITION 3
1/2" = 1'-0" REF: 1 / A124



10 SECTION SHAFT CONDITION 2
1/2" = 1'-0" REF: 2 / A131



7 SECTION SHAFT CONDITION 1
1/2" = 1'-0" REF: 1 / A131

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:
ENLARGED SHAFT PLANS AND SECTIONS

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020
DRAWN BY: Author CHECKED BY: XXX
#18237
A131
BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:05:11 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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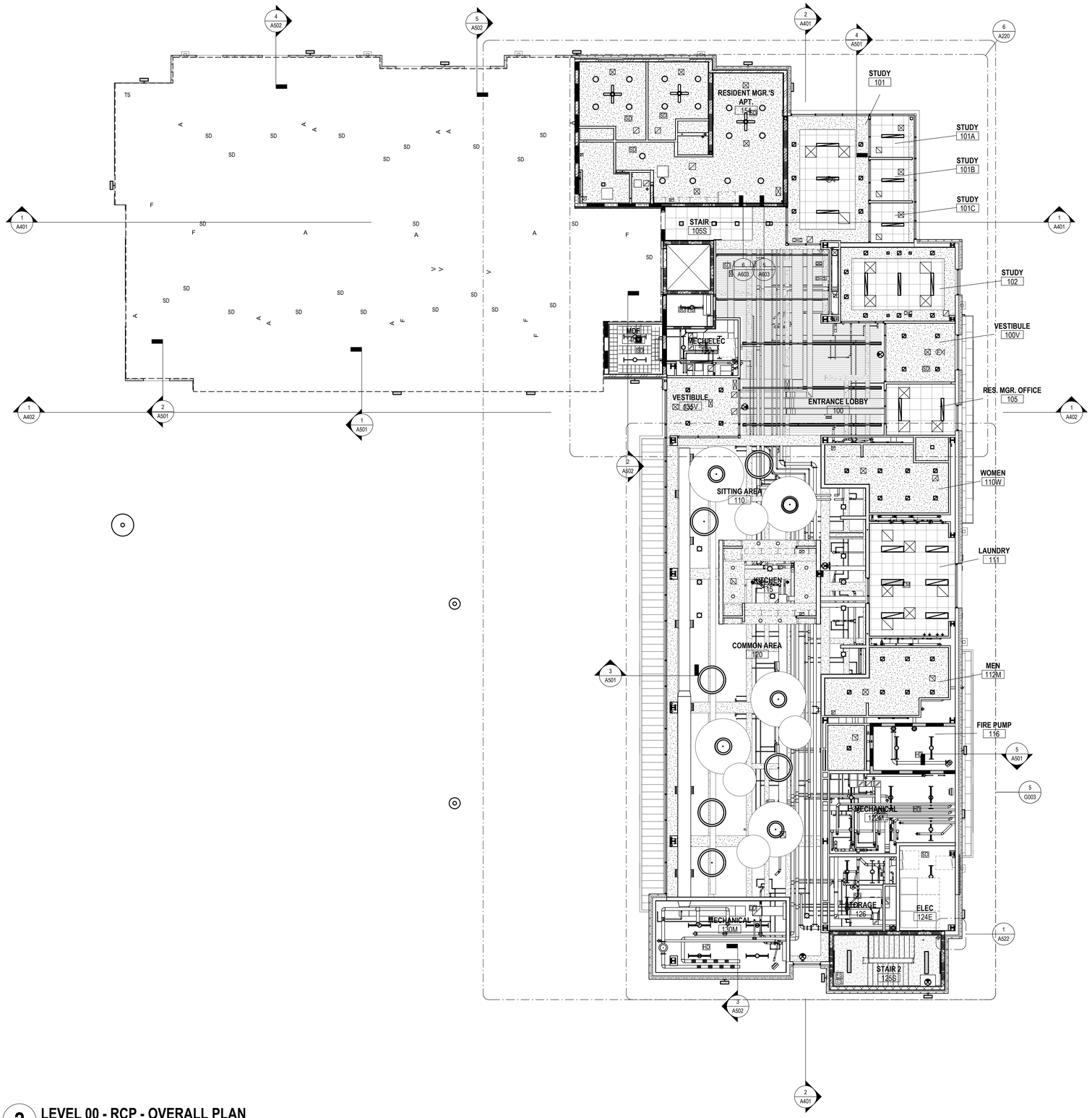

2 LEVEL 00 - RCP - OVERALL PLAN

1/8" = 1'-0"

PRINT DATE: 2/6/2020 5:05:33 PM
FILE INFO: B:M:360:!NKU - New Residence Hall!NKU-10976-01_ARCH.rvt

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

LEVEL 0 - RCP - OVERALL

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: DCB

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A200

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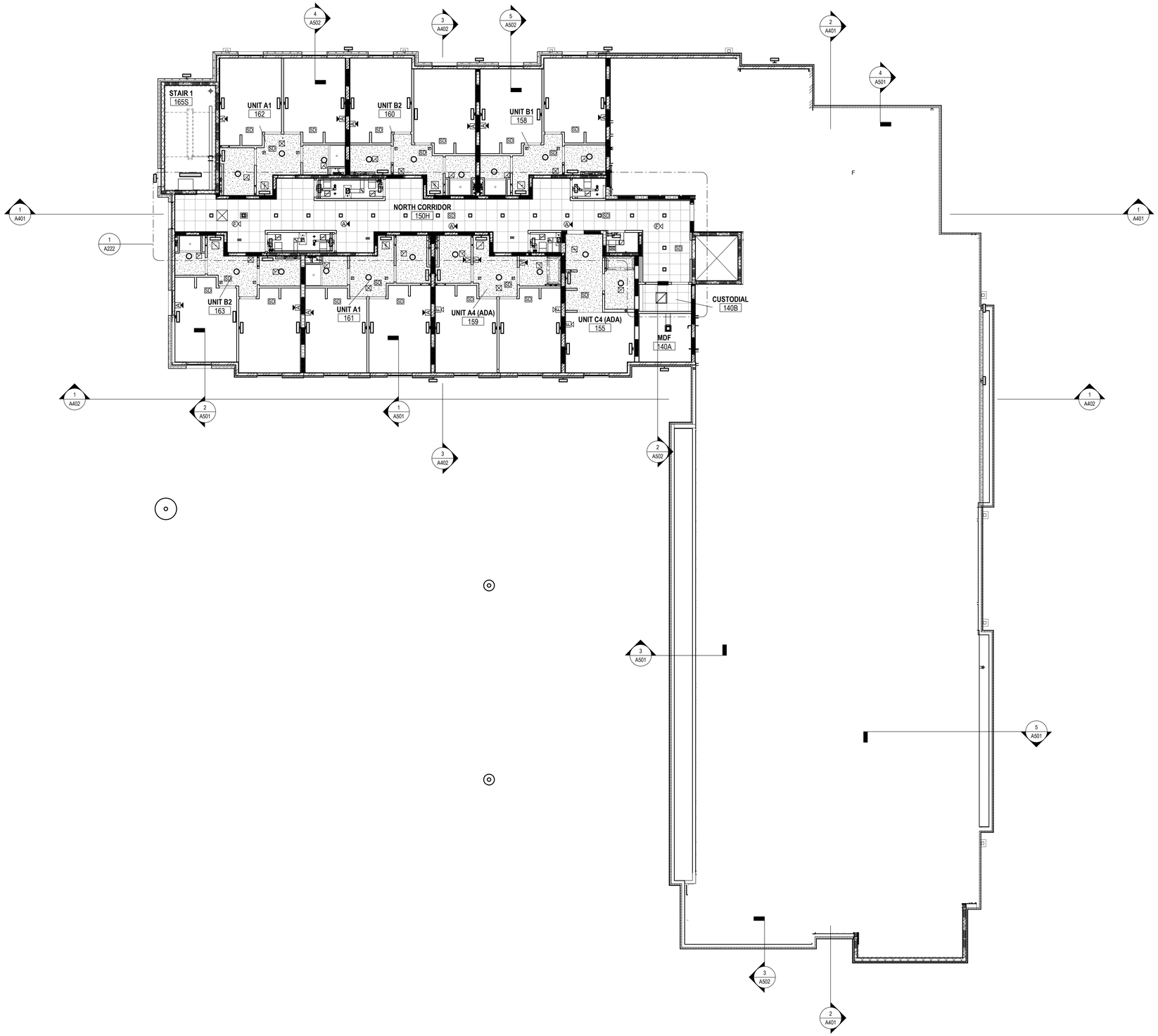

1 **LEVEL 01 - RCP - OVERALL PLAN**
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
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5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

LEVEL 1 - RCP - OVERALL

JANUARY 30, 2020

DRAWN BY: **XXX** CHECKED BY: **DCB**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A201

BID & PERMIT SUBMITTAL

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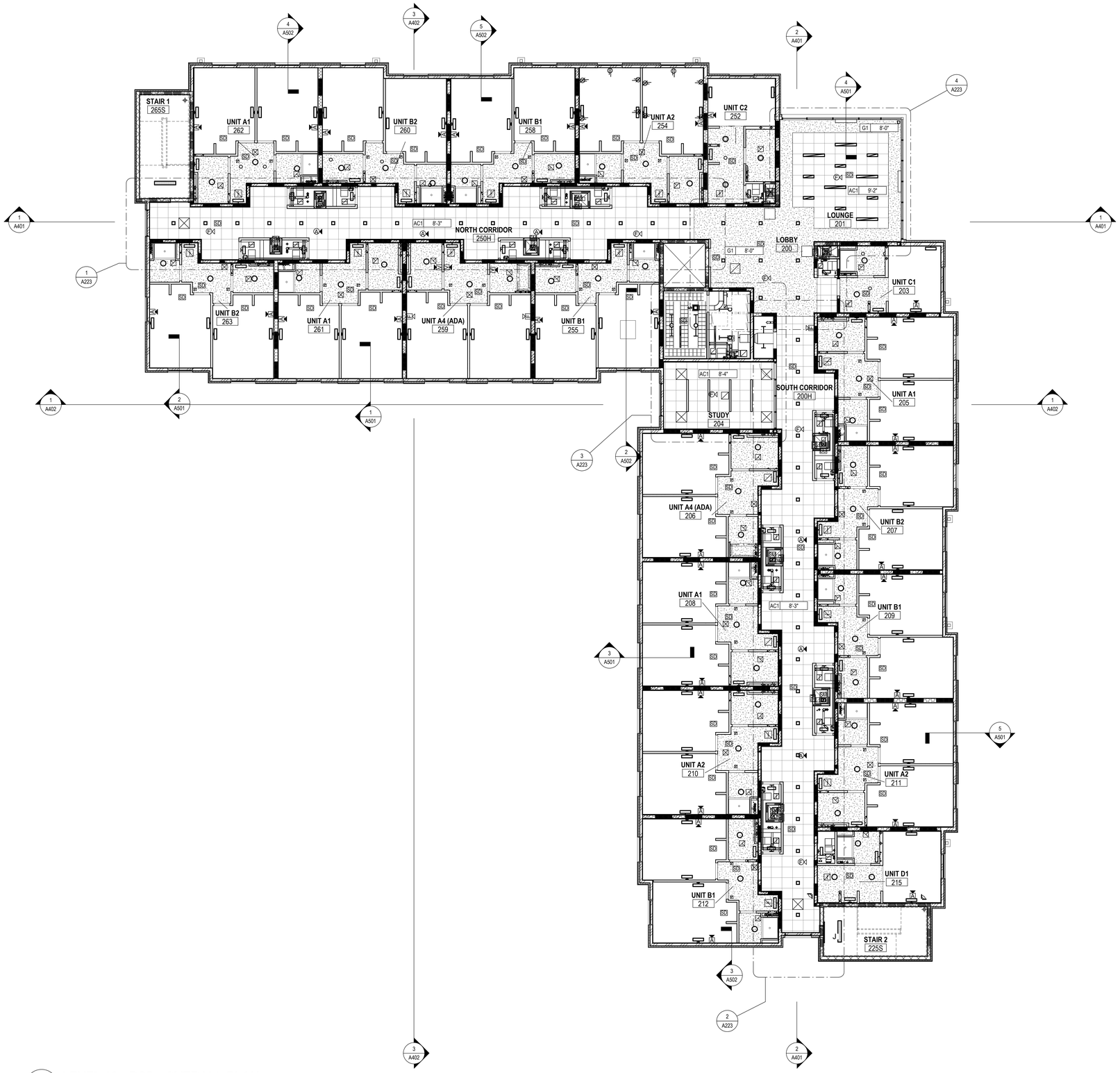

1 LEVEL 02 - RCP - OVERALL PLAN

1/8" = 1'-0"

PRINT DATE: 2/6/2020 5:06:06 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10076-01_ARCH.rvt

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
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6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
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10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
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CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
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   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
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RCP LEGEND

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- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR — RECESSED CAN LIGHT
- OR — SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

KEY VALUE	KEYNOTE TEXT

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HIGHLAND HEIGHTS, KY 41099
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A KATERRA COMPANY
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877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

LEVEL 2 - RCP - OVERALL

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: DCB

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A202

BID & PERMIT SUBMITTAL

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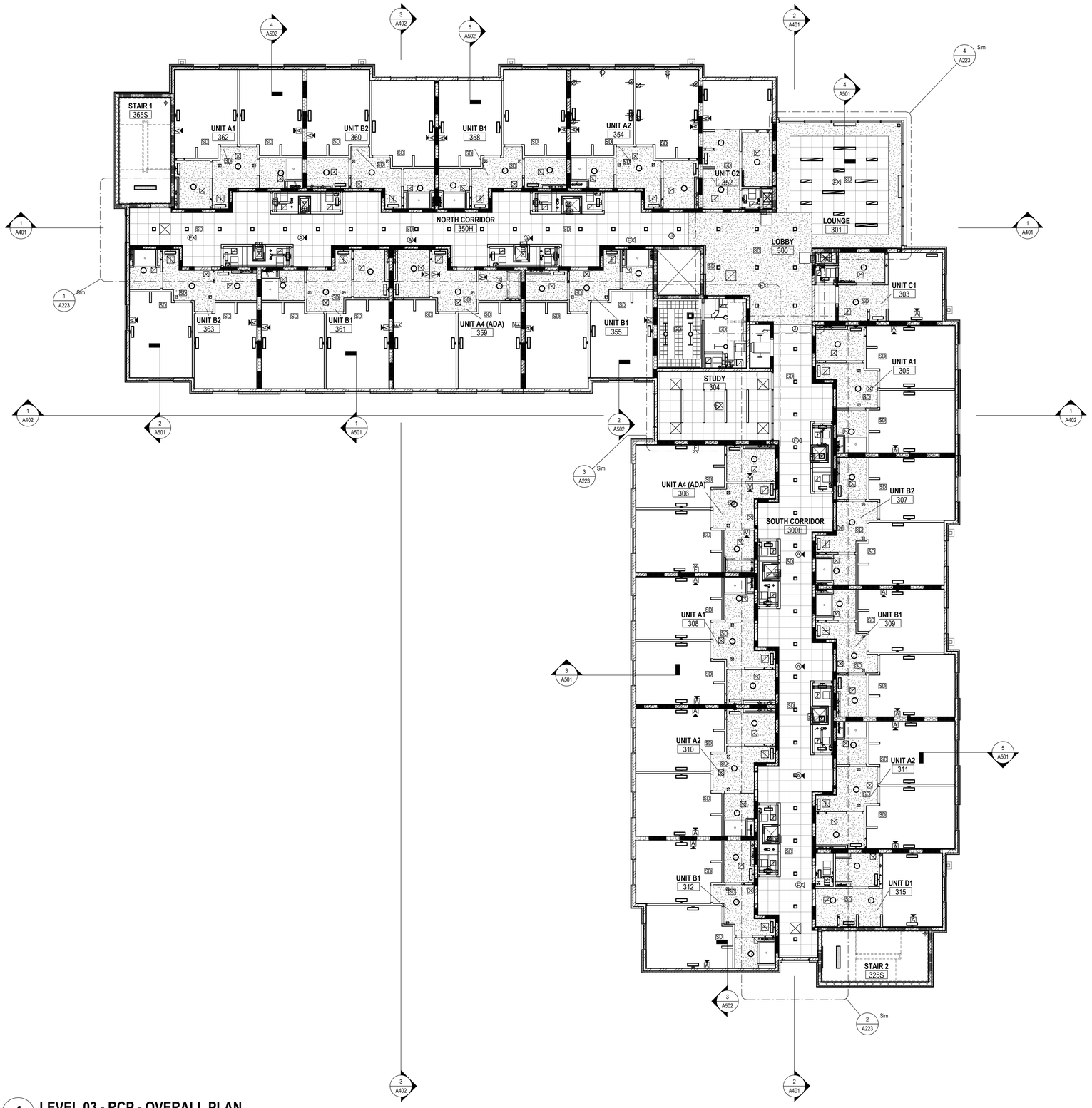

1 LEVEL 03 - RCP - OVERALL PLAN

1/8" = 1'-0"

PRINT DATE: 2/6/2020 5:06:21 PM
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STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
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8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
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CODED NOTE LEGEND

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      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

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- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
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- OR — SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

LEVEL 3 - RCP - OVERALL

JANUARY 30, 2020

DRAWN BY: **XXX** CHECKED BY: **DCB**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A203

BID & PERMIT SUBMITTAL

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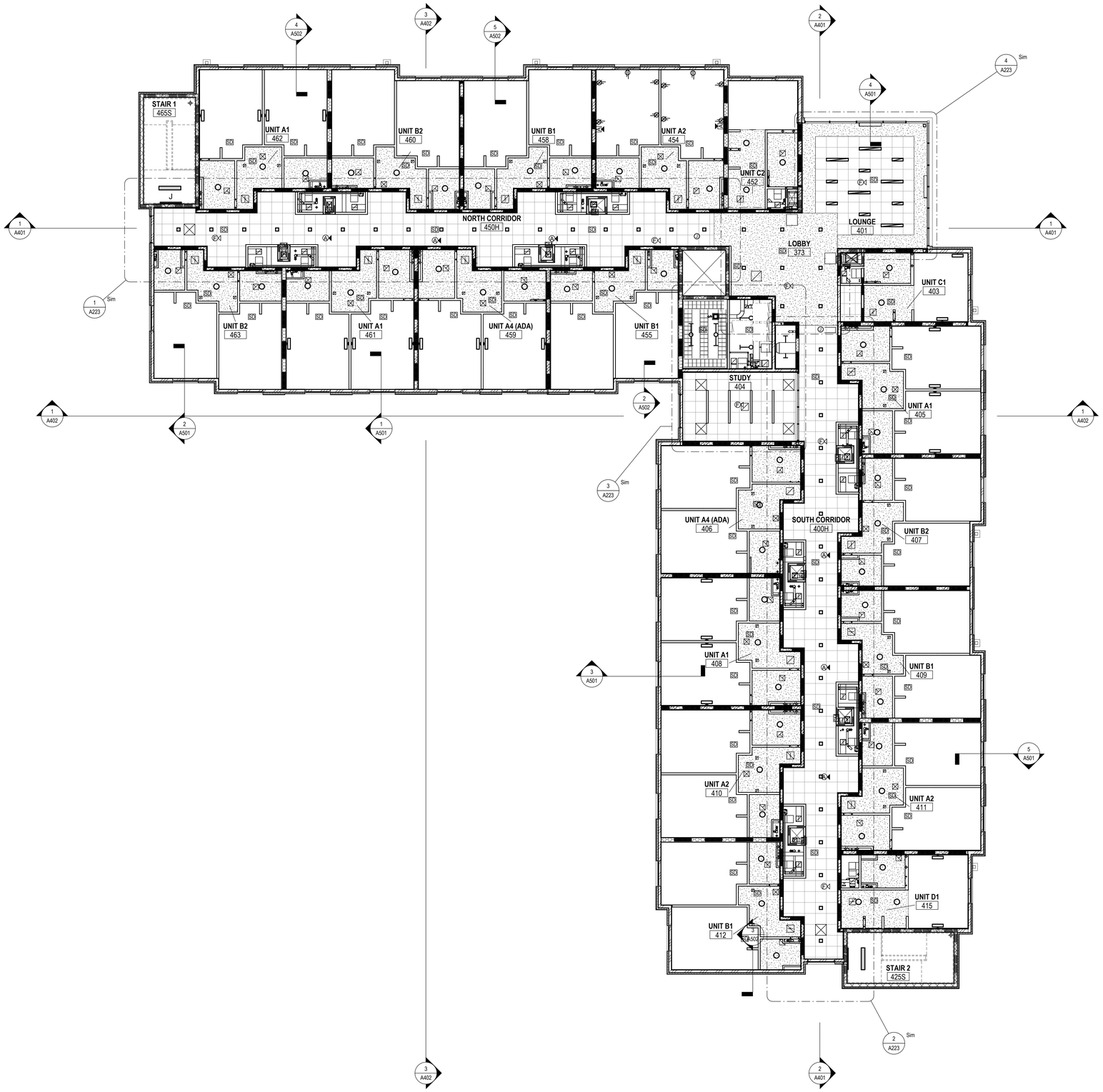

1 **LEVEL 04 - RCP - OVERALL**
1/8" = 1'-0"

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.5) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR OR — RECESSED CAN LIGHT
- OR — SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

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DRAWING TITLE:

LEVEL 4 - RCP - OVERALL

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A204

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:06:36 PM
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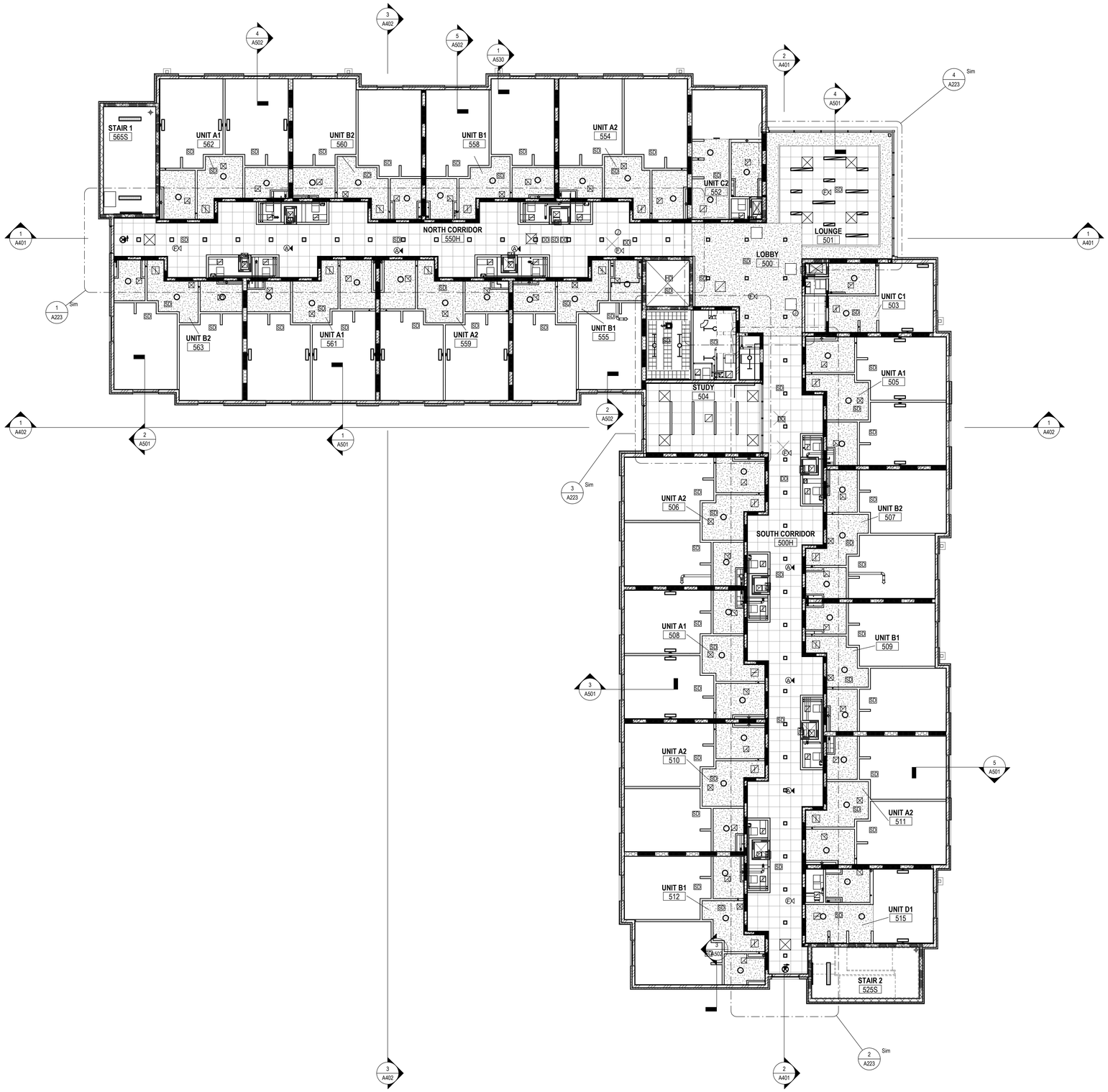

1 LEVEL 05 - RCP - OVERALL
1/8" = 1'-0"

PRINT DATE: 2/6/2020 5:06:50 PM
FILE INFO: B:M 360\NKU - New Residence Hall\NKU-10976-01_ARCH.rvt

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

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CODED NOTE LEGEND

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   1) COLUMN (A & B) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

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- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
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- G1 GYPSUM BOARD CEILING OR SOFFIT
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- EXIT LIGHT WITH DIRECTIONAL ARROW
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www.lordaecksargent.com

DRAWING TITLE:

LEVEL 5 - RCP - OVERALL

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A205

BID & PERMIT SUBMITTAL

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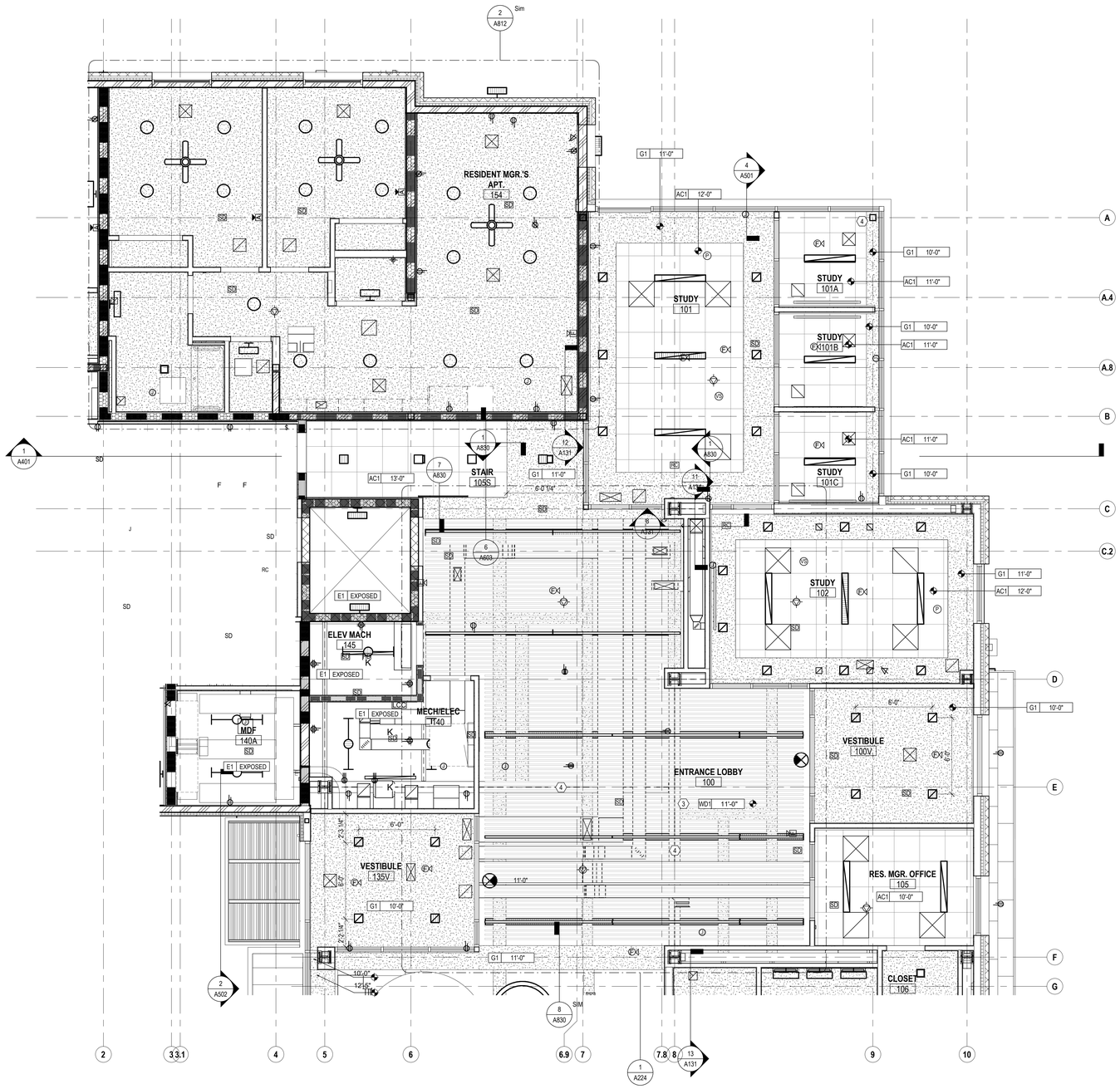

6 LEVEL 00 - ENLARGED RCP - HALL DIRECTOR'S OFFICE & ENTERANCE LOBBY

1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

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RCP LEGEND

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KEY VALUE	KEYNOTE TEXT

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NEW RESIDENCE HALL
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FOR
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269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

ENLARGED RCP- LOBBY AREA

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **XXX**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A220

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020-5:07:00 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10876-01_ARCH.rvt

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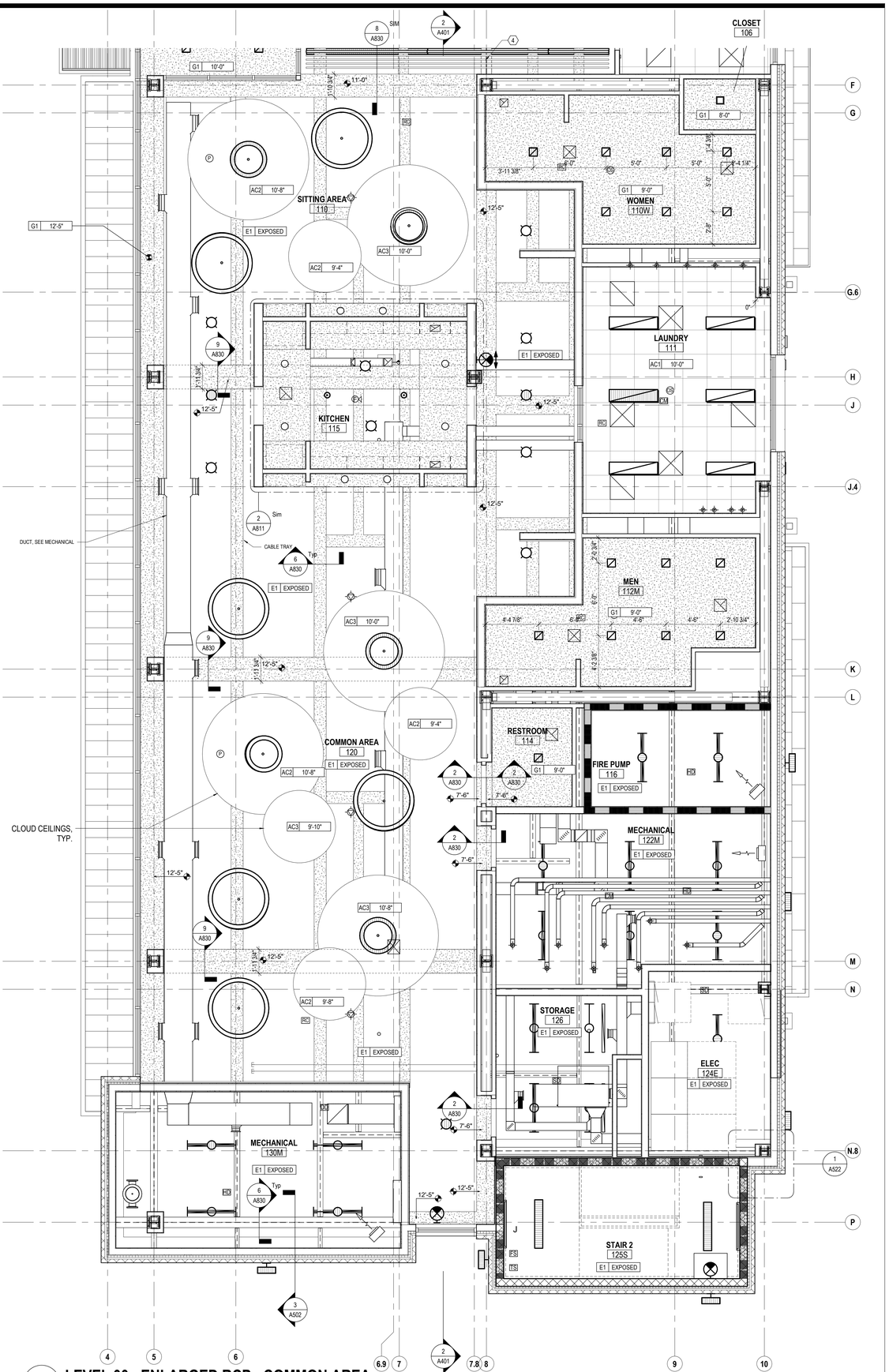

1 LEVEL 00 - ENLARGED RCP - COMMON AREA
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

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CODED NOTE LEGEND

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RCP LEGEND

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DRAWING TITLE:
ENLARGED RCP- COMMON AREAS

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: XXX

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A221

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:07:10 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10076-01_ARCH.rvt

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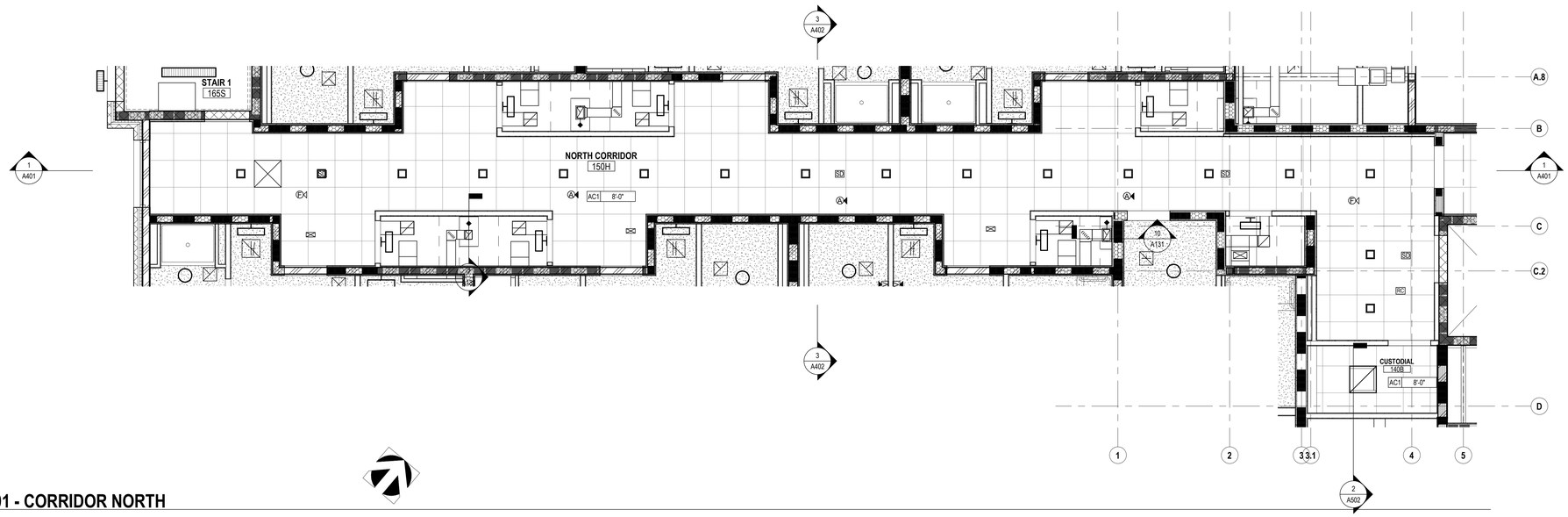

1 LEVEL 01 - CORRIDOR NORTH

1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

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RCP LEGEND

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- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS OF, DIFFUSERS OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
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COVINGTON, KY 41011

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A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

ENLARGED RCP- CORRIDORS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **XXX**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A222

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:07:19 PM
FILE INFO: B:M:360:/NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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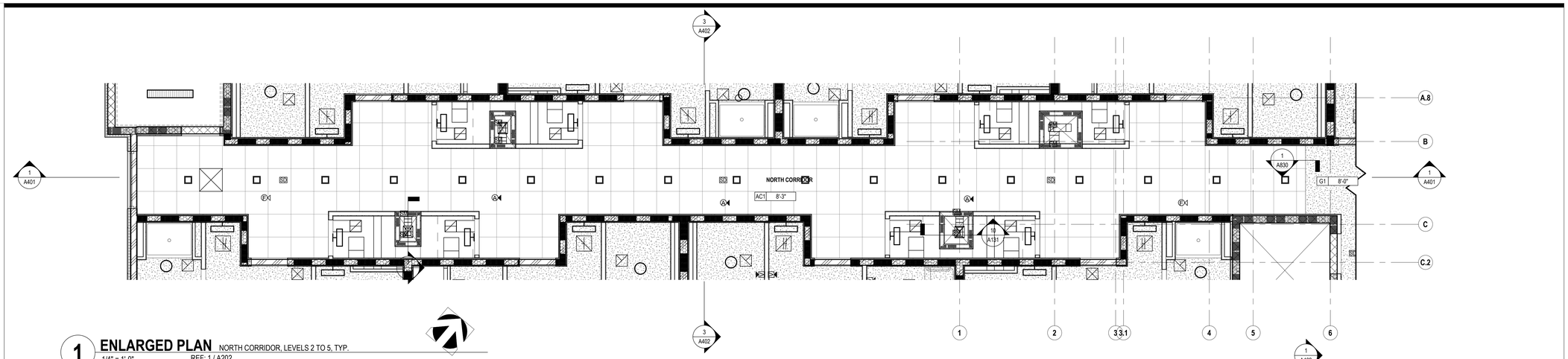
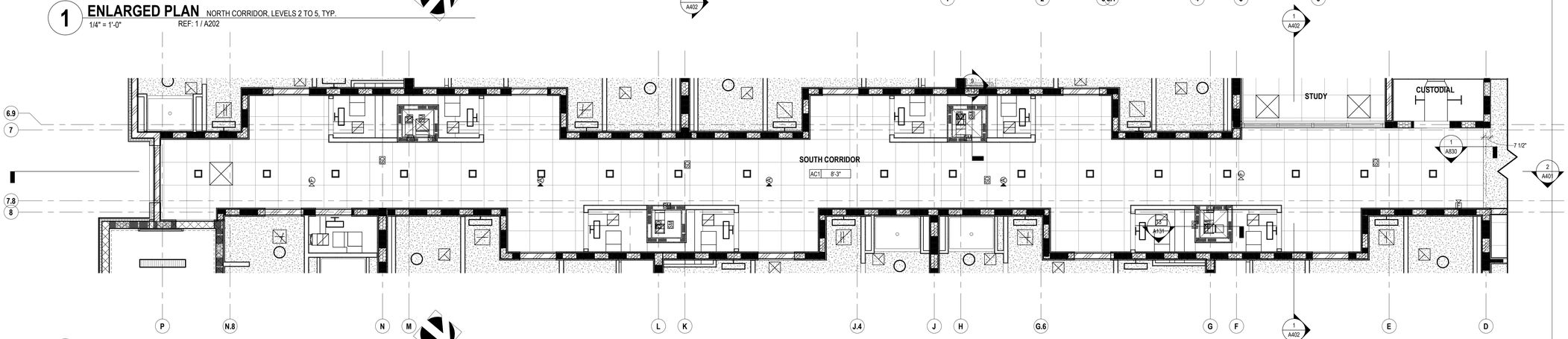
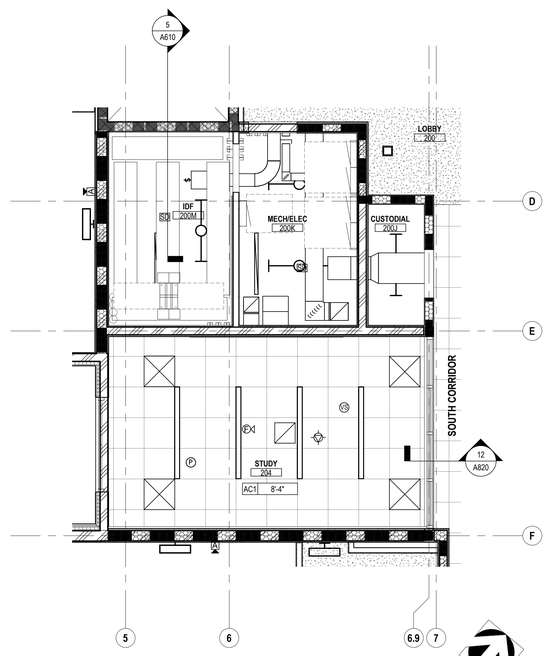


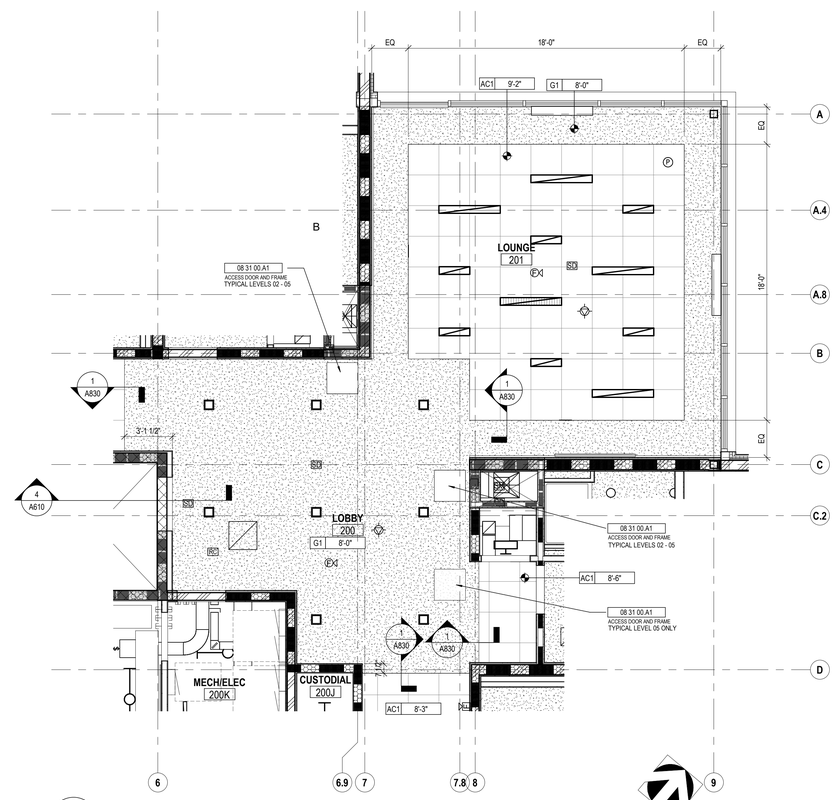
1 ENLARGED PLAN NORTH CORRIDOR, LEVELS 2 TO 5, TYP.
1/4" = 1'-0" REF: 1 / A202



2 ENLARGED PLAN SOUTH CORRIDOR, LEVELS 2 TO 5, TYP.
1/4" = 1'-0" REF: 1 / A202



3 ENLARGED PLAN STUDY, LEVELS 2 TO 5, TYP.
1/4" = 1'-0" REF: 1 / A202



4 ENLARGED PLAN COMMON AREA, LEVELS 2 TO 5, TYP.
1/4" = 1'-0" REF: 1 / A202

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE 5.
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR — RECESSED CAN LIGHT
- OR — SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

KEY VALUE	KEYNOTE TEXT
08 31 00.A1	ACCESS DOOR AND FRAME

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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DRAWING TITLE:

ENLARGED RCP- CORRIDORS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **XXX**

#18237

CURTIS J. MOODY REGISTERED NO. 4296 COMMONWEALTH OF KENTUCKY ARCHITECT

A223

BID & PERMIT SUBMITTAL

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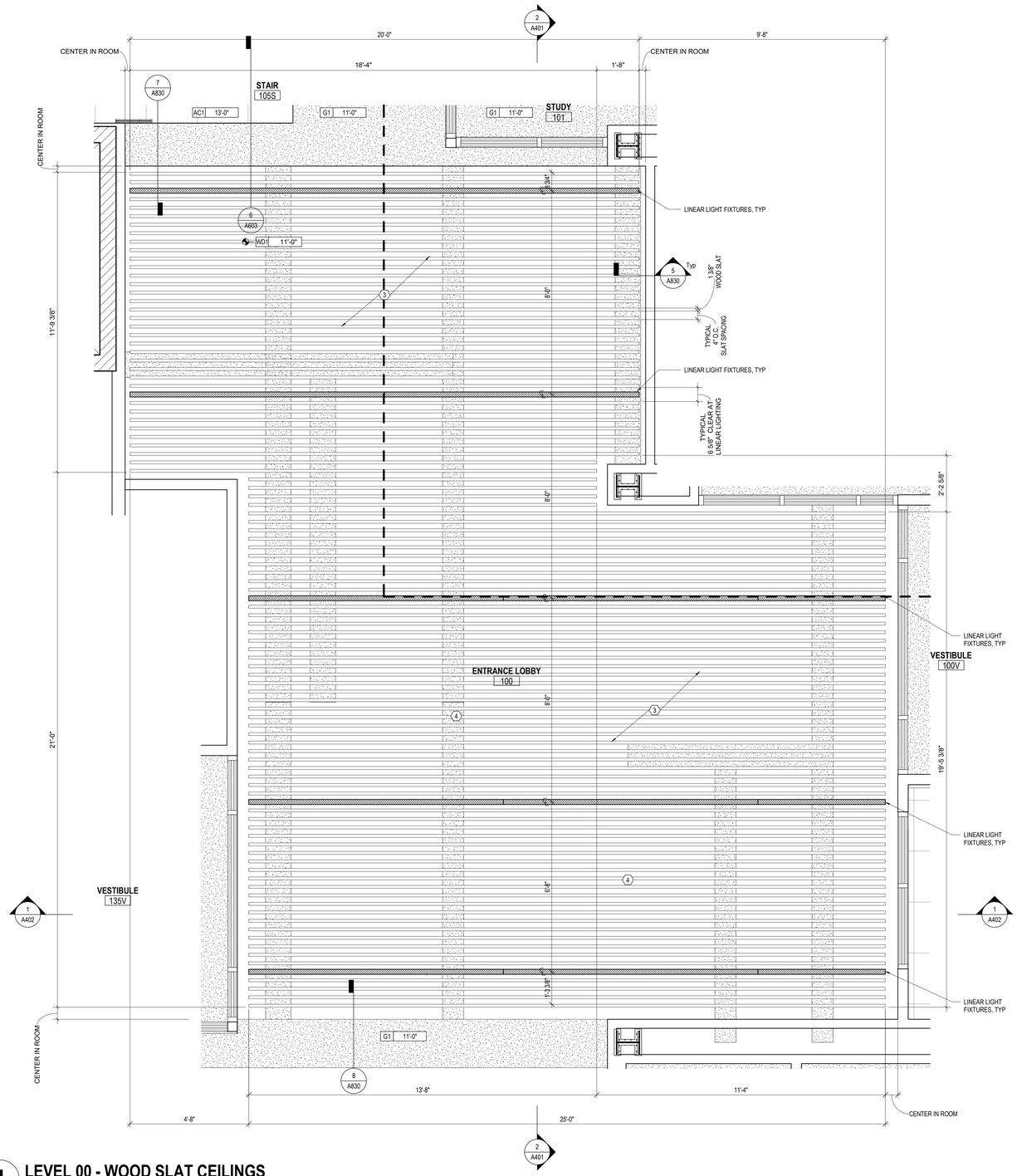

1 LEVEL 00 - WOOD SLAT CEILINGS

1/2" = 1'-0"

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
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CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.3) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
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- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
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- SPEAKER
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NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
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269 W Main St.
Suite 500
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877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

CUSTOM CEILINGS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **XXX**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A224

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PRINT DATE: 2/6/2020 5:07:41 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-15076-01_ARCH.rvt

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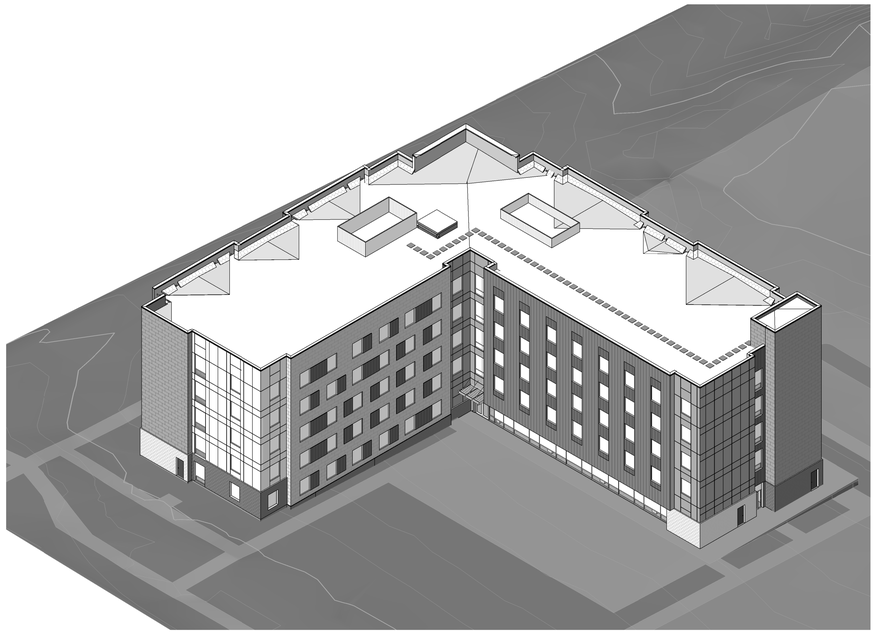
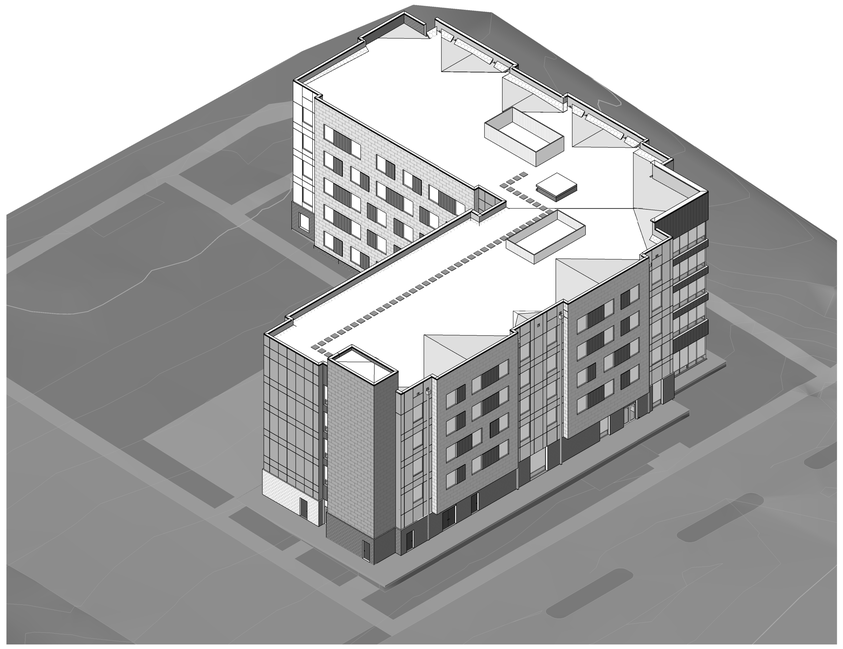


4 SOUTHWEST



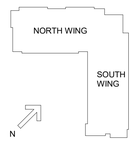
2 SOUTHEAST

3 NORTHWEST

1 NORTHEAST

AXONOMETRIC VIEWS FOR REFERENCE ONLY

STATE OF KENTUCKY APPROVAL



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
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FOR
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FAX: (859) 957-1280

DRAWING TITLE:

AXONOMETRIC VIEWS

CURTIS J. MOODY REGISTERED NO. 4096 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **DCB**

#18237

A300

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PRINT DATE: 2/6/2020 5:08:09 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10975-01_ARCH.rvt

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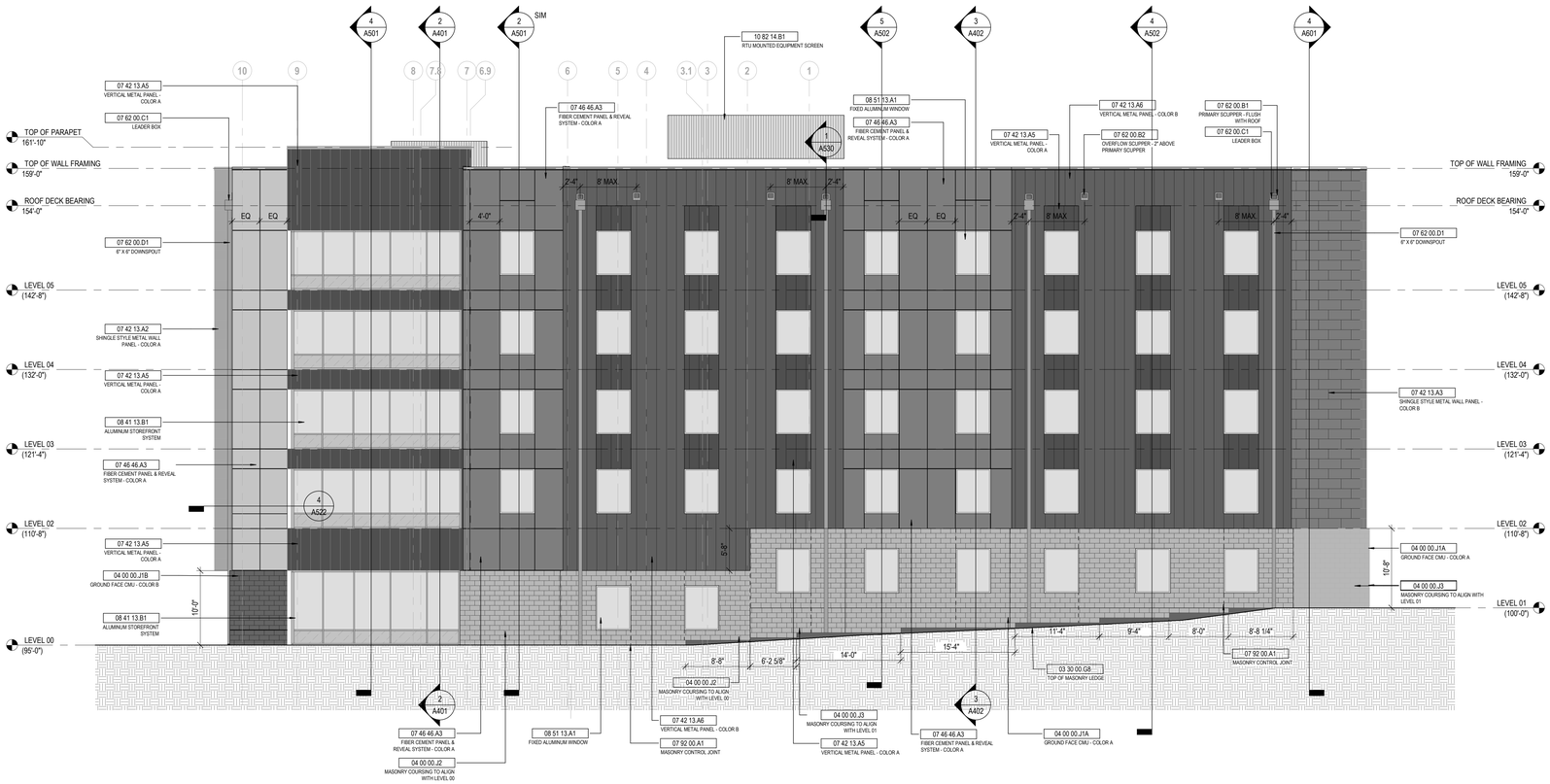
2 ELEVATION SOUTH OVERALL
1/8" = 1'-0"
REF: 1 / A001



1 ELEVATION NORTH OVERALL
1/8" = 1'-0"
REF: 1 / A001

STATE OF KENTUCKY APPROVAL

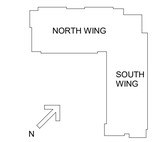
GENERAL NOTES- BLDG ENVELOPE

IN ACCORDANCE WITH **IECC 2012** BUILDING ENVELOPE SEALING, THE FOLLOWING AREAS OF THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, OR WEATHER-STRIPPED TO MINIMIZE AIR LEAKAGE:

A. JOINTS AROUND FENESTRATION AND DOOR FRAMES.
B. JUNCTIONS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AT BUILDING CORNERS, BETWEEN WALLS AND STRUCTURAL FLOORS OR ROOFS, AND BETWEEN WALLS AND ROOF OR WALL PANELS.
C. OPENINGS AT PENETRATIONS OF UTILITY SERVICES THROUGH ROOFS, WALLS, AND FLOORS.
D. SITE-BUILT FENESTRATION AND DOORS.
E. BUILDING ASSEMBLIES USED AS DUCTS OR PLENUMS.
F. JOINTS, SEAMS, AND PENETRATIONS OF VAPOR RETARDERS.
G. ALL OTHER OPENINGS IN THE BUILDING ENVELOPE.
H. SEAL DUCT BOOTS AT PENETRATIONS THROUGH DRYWALL/SUBFLOOR (BEFORE INSTALLING SUPPLY AND RETURN GRILLS)
I. ALL WALLS TOPS INCLUDING STOREFRONT ASSEMBLIES SHALL BE ATTACHED WITH A MINIMUM OF TWO 2X TOP PLATES.
J. SEE "WALL DETAILS" SHEET FOR TYPICAL EXTERIOR WALLS
K. BATT INSULATION AT EXTERIOR WALLS TO BE A MINIMUM OF R-19. BATT INSULATION AT ROOF ATTICS TO BE A MINIMUM OF R-38 ADJACENT TO UNIT BALCONIES. AVERAGE INSULATION AT FLAT ROOFS AND SLOPED ROOFS ABOVE THE SHEATHING TO BE A MIN OF R-25.
L. **SEE SHEET A500 SERIES FOR TYPICAL EXTERIOR WALL ASSEMBLIES.**

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03 30 00.G8	TOP OF MASONRY LEDGE
04 00 00.J1A	GROUND FACE CMU - COLOR A
04 00 00.J1B	GROUND FACE CMU - COLOR B
04 00 00.J2	MASONRY COURSING TO ALIGN WITH LEVEL 00
04 00 00.J3	MASONRY COURSING TO ALIGN WITH LEVEL 01
07 42 13.A1	SHINGLE STYLE METAL WALL PANEL
07 42 13.A2	SHINGLE STYLE METAL WALL PANEL - COLOR A
07 42 13.A3	SHINGLE STYLE METAL WALL PANEL - COLOR B
07 42 13.A5	VERTICAL METAL PANEL - COLOR A
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 46 46.A3	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR A
07 46 46.A4	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR B
07 62 00.B1	PRIMARY SCUPPER - FLUSH WITH ROOF
07 62 00.B2	OVERFLOW SCUPPER - 2" ABOVE PRIMARY SCUPPER
07 62 00.C1	LEADER BOX
07 62 00.D1	6" X 6" DOWNSPOUT
07 92 00.A1	MASONRY CONTROL JOINT
08 11 00.A1	HOLLOW METAL DOOR AND FRAME
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 51 13.A1	FIXED ALUMINUM WINDOW
10 82 14.B1	RTU MOUNTED EQUIPMENT SCREEN



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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434 MADISON AVENUE
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PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:
EXTERIOR ELEVATIONS - OVERALL

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020
DRAWN BY: **XXX** CHECKED BY: **DCB**
#18237

A301

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PRINT DATE: 2/6/2020 5:08:37 PM
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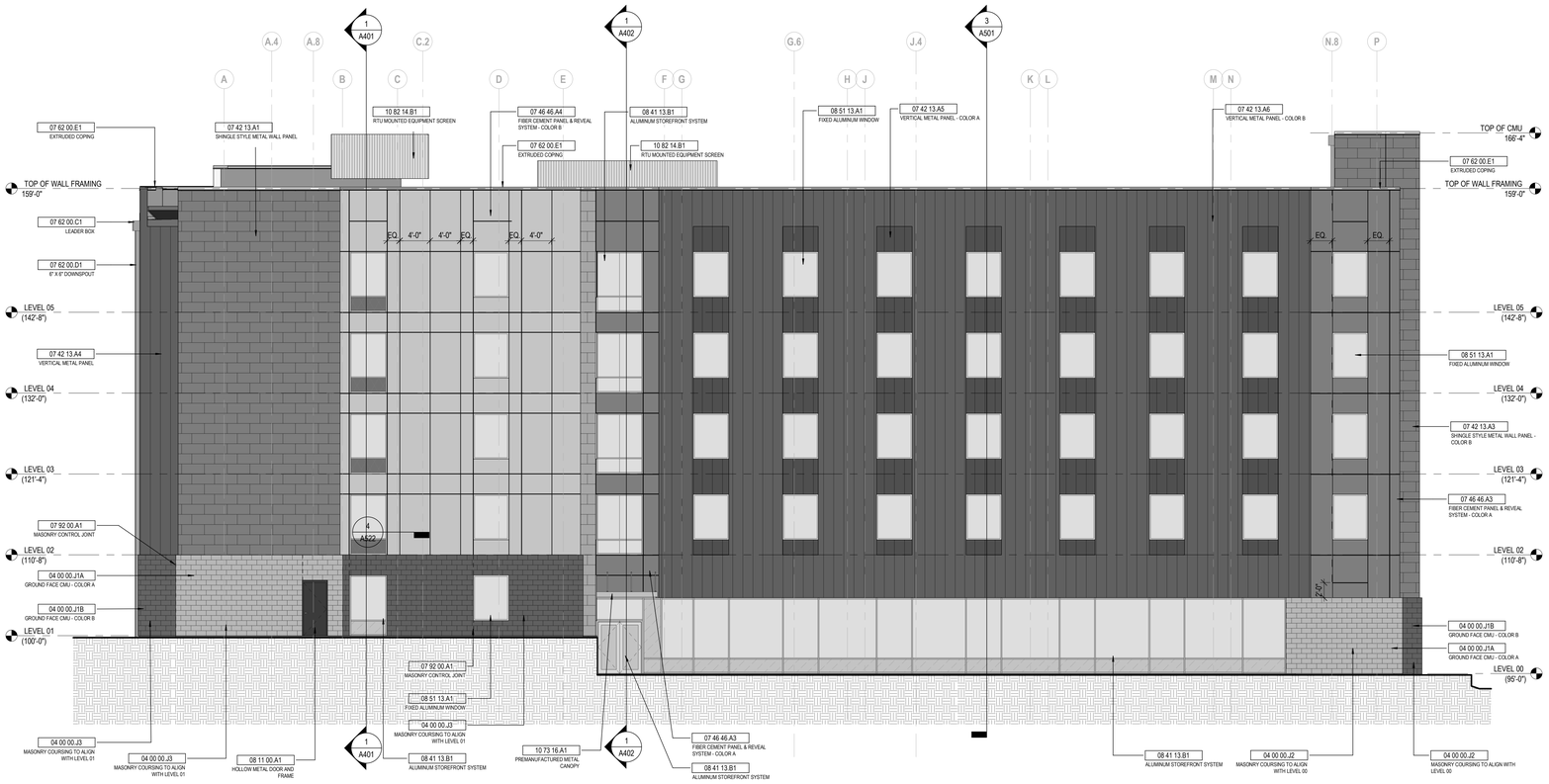
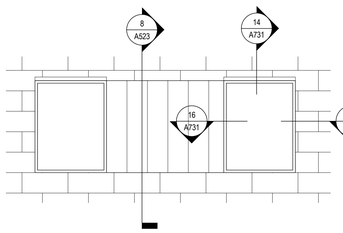
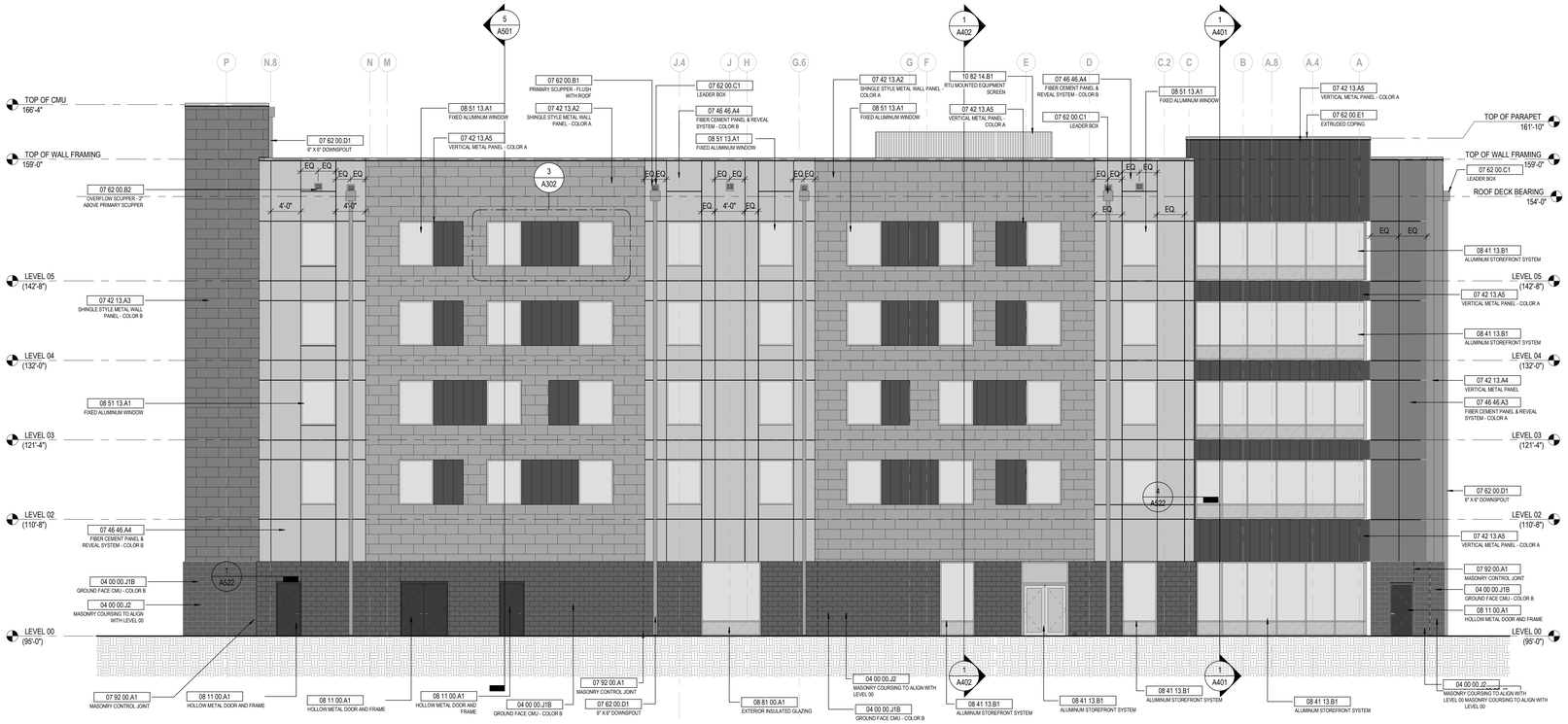


2 ELEVATION WEST OVERALL
1/8" = 1'-0" REF: 1 / A001





3 ELEVATION ALUMINUM WINDOW
1/4" = 1'-0" REF: 2 / A301

1 ELEVATION EAST OVERALL
1/8" = 1'-0" REF: 1 / A001

STATE OF KENTUCKY APPROVAL

GENERAL NOTES- BLDG ENVELOPE

IN ACCORDANCE WITH **IECC 2012** BUILDING ENVELOPE SEALING, THE FOLLOWING AREAS OF THE BUILDING ENVELOPE SHALL BE SEALED, CAULKED, GASKETED, OR WEATHER-STRIPPED TO MINIMIZE AIR LEAKAGE:

A. JOINTS AROUND FENESTRATION AND DOOR FRAMES.
B. JUNCTIONS BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AT BUILDING CORNERS, BETWEEN WALLS AND STRUCTURAL FLOORS OR ROOFS, AND BETWEEN WALLS AND ROOF OR WALL PANELS.
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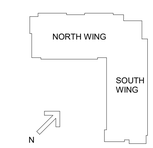
L. **SEE SHEET A500 SERIES FOR TYPICAL EXTERIOR WALL ASSEMBLIES.**

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 00 00.J1A	GROUND FACE CMU - COLOR A
04 00 00.J1B	GROUND FACE CMU - COLOR B
04 00 00.J2	MASONRY COURSING TO ALIGN WITH LEVEL 00
04 00 00.J3	MASONRY COURSING TO ALIGN WITH LEVEL 01
07 42 13.A1	SHINGLE STYLE METAL WALL PANEL
07 42 13.A2	SHINGLE STYLE METAL WALL PANEL - COLOR A
07 42 13.A3	SHINGLE STYLE METAL WALL PANEL - COLOR B
07 42 13.A4	VERTICAL METAL PANEL
07 42 13.A5	VERTICAL METAL PANEL - COLOR A
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 46 46.A3	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR A
07 46 46.A4	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR B
07 62 00.B1	PRIMARY SCUPPER - FLUSH WITH ROOF
07 62 00.B2	OVERFLOW SCUPPER - 2" ABOVE PRIMARY SCUPPER
07 62 00.C1	LEADER BOX
07 62 00.D1	6" X 6" DOWNSPOUT
07 62 00.E1	EXTRUDED COPING
07 92 00.A1	MASONRY CONTROL JOINT
08 11 00.A1	HOLLOW METAL DOOR AND FRAME
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 51 13.A1	FIXED ALUMINUM WINDOW
08 81 00.A1	EXTERIOR INSULATED GLAZING
10 73 16.A1	PREMANUFACTURED METAL CANOPY
10 82 14.B1	RTU MOUNTED EQUIPMENT SCREEN



#	DATE	CHANGE DESCRIPTION

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:
EXTERIOR ELEVATIONS - OVERALL

JANUARY 30, 2020
DRAWN BY: **XXX** CHECKED BY: **DCB**
#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A302

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:59:05 PM
FILE INFO: BIM 360./NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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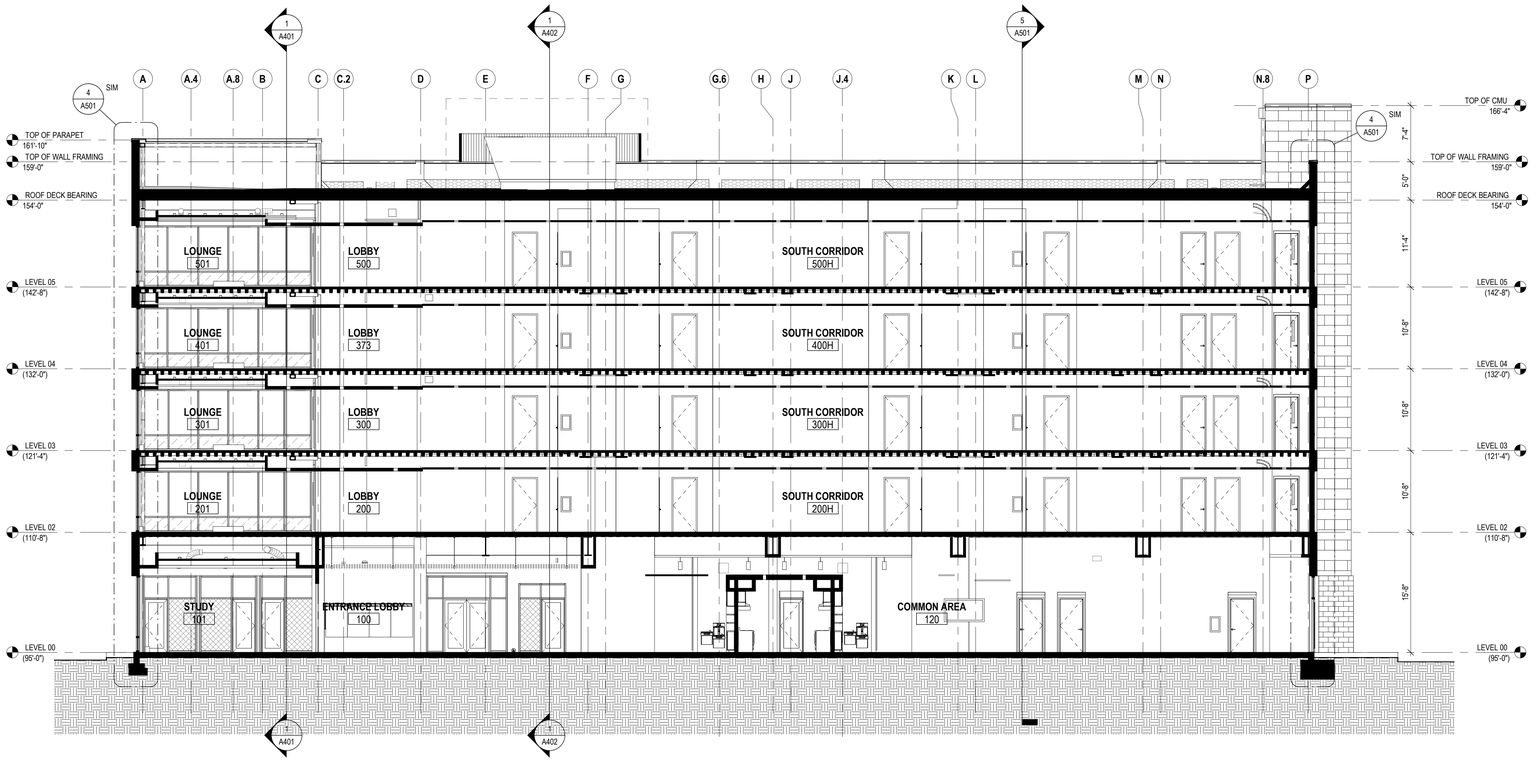
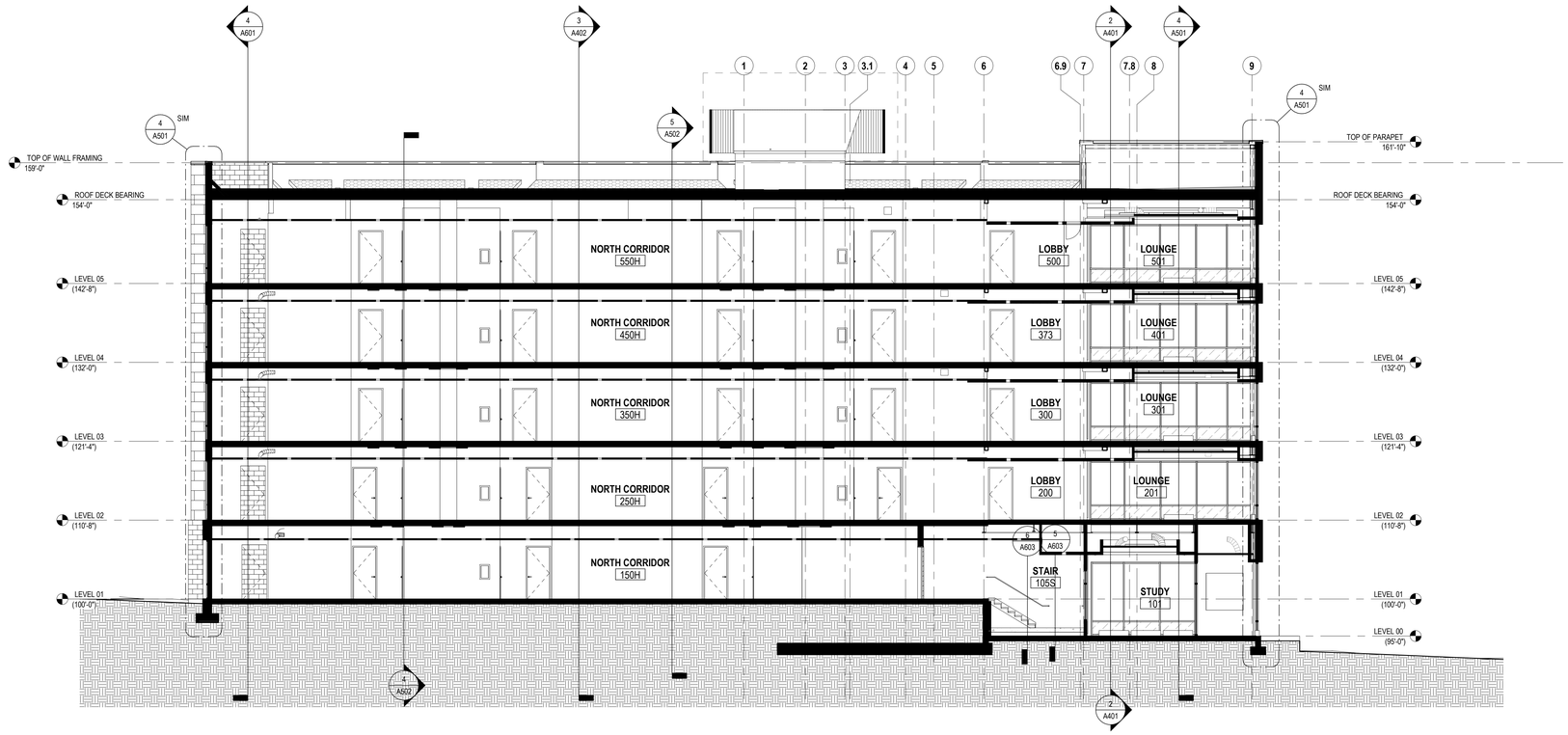


2 SECTION 1/8" = 1'-0"
LONGITUDINAL SECTION THRU EAST WING
REF: 1 / A002



1 SECTION 1/8" = 1'-0"
LONGITUDINAL SECTION THRU NORTH WING
REF: 1 / A001

PRINT DATE: 2/6/2020 5:09:40 PM
FILE INFO: BIM 360/(NKU) - New Residence Hall/NKU-10976-01_ARCH.rvt

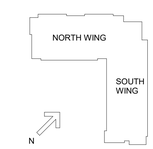
STATE OF KENTUCKY APPROVAL

GENERAL NOTES - BUILDING SECTIONS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT



#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:

BUILDING SECTIONS

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: DCB

#18237

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

A401

BID & PERMIT SUBMITTAL

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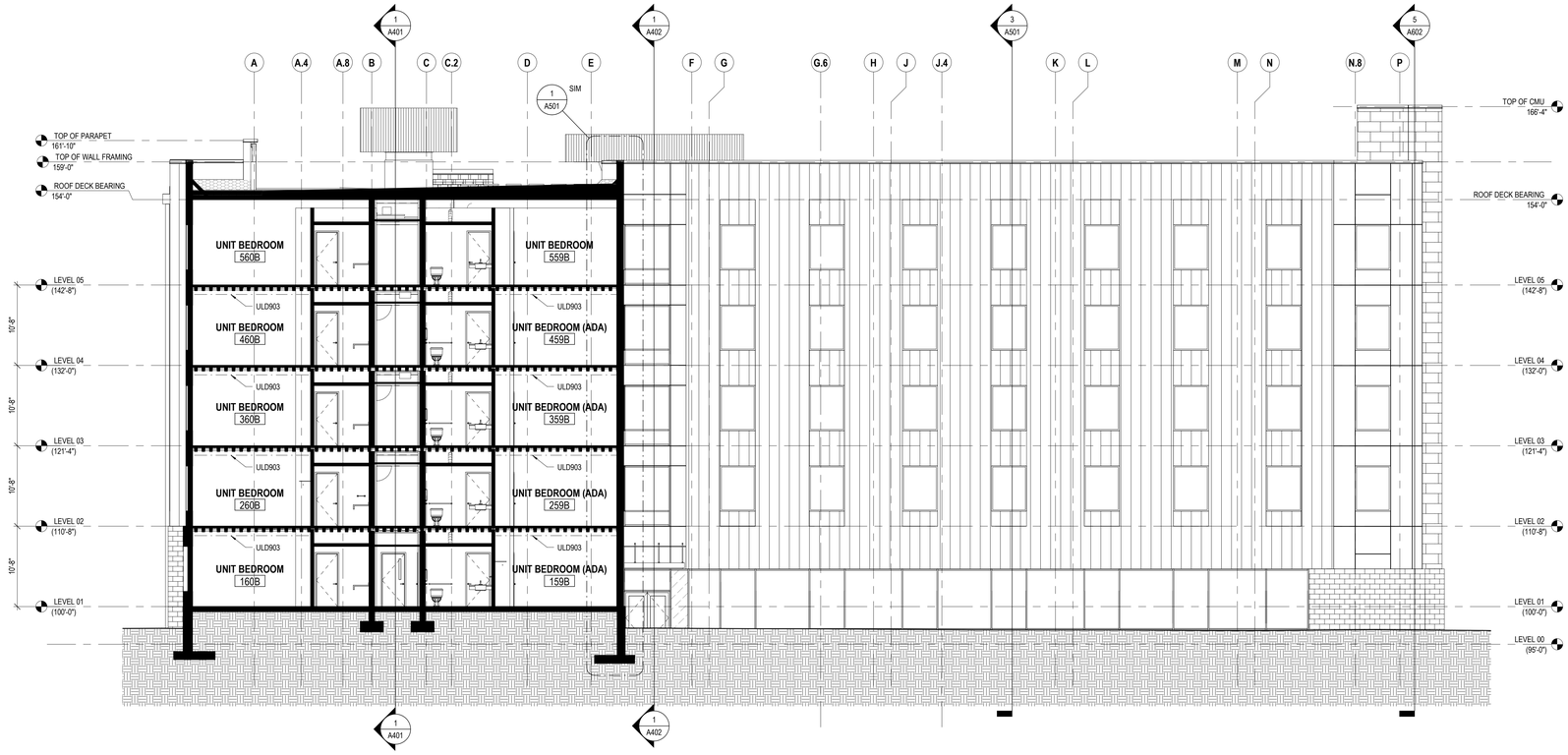
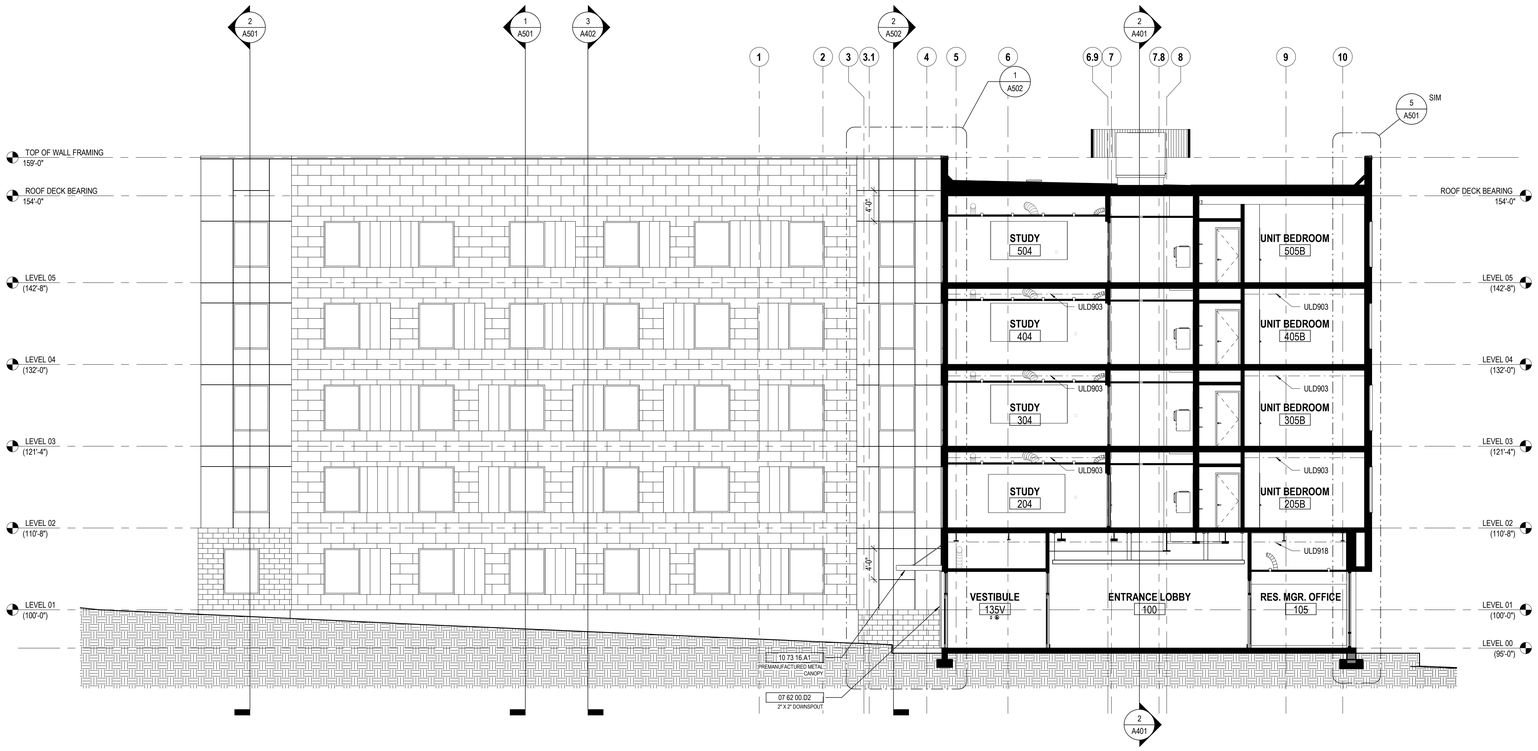


3 **SECTION** TRANSVERSE SECTION THRU NORTH WING
1/8" = 1'-0" REF: 1 / A002



1 **SECTION** TRANSVERSE SECTION THRU EAST WING
1/8" = 1'-0" REF: 1 / A002

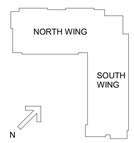
STATE OF KENTUCKY APPROVAL

GENERAL NOTES - BUILDING SECTIONS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
07 62 00.D2	2" X 2" DOWNSPOUT
10 73 16.A1	PREMANUFACTURED METAL CANOPY



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
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PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:

BUILDING SECTIONS

JANUARY 30, 2020

DRAWN BY: XXX CHECKED BY: DCB

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A402

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PRINT DATE: 2/6/2020 5:09:55 PM
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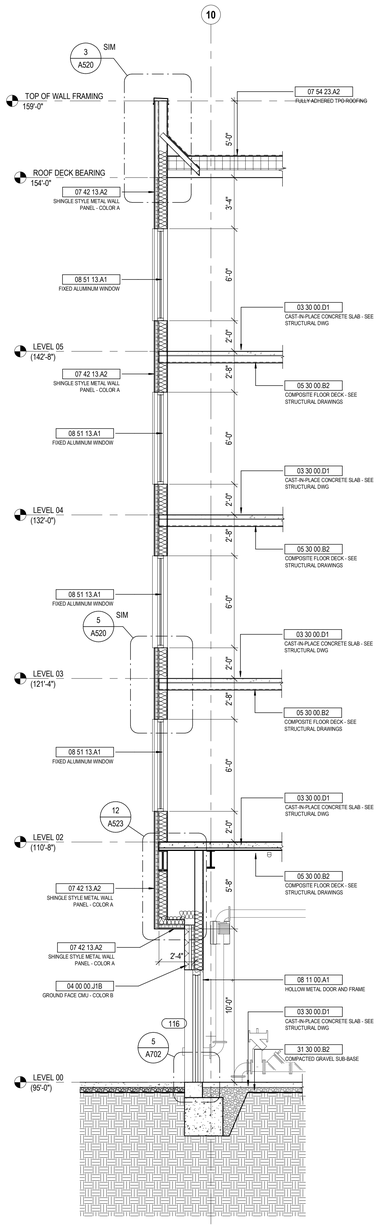
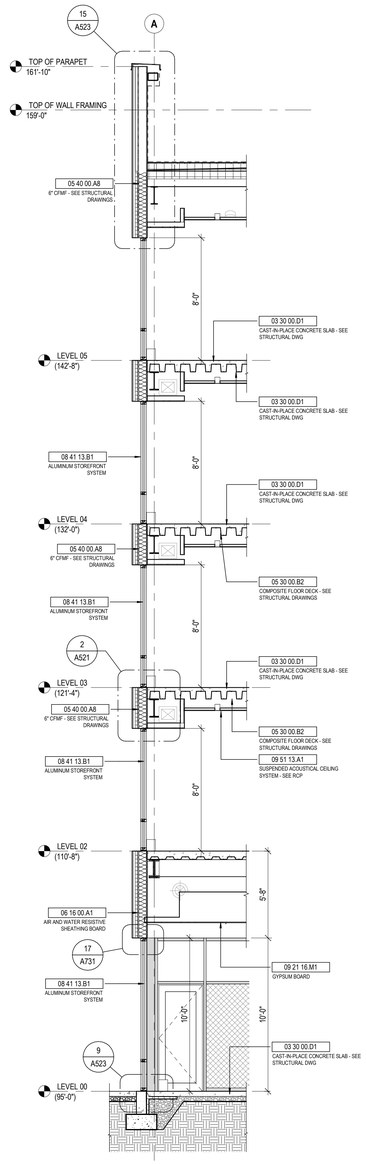
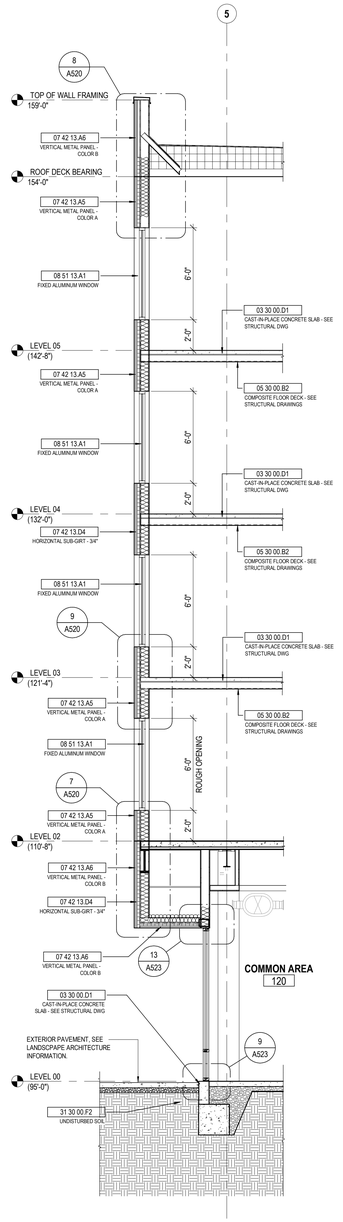


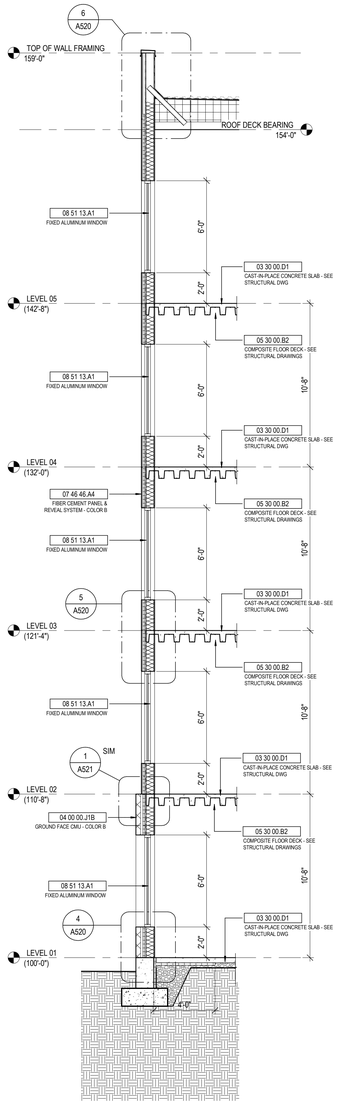
5 SECTION EAST WALL OF EAST WING
1/4" = 1'-0" REF: 1 / A002



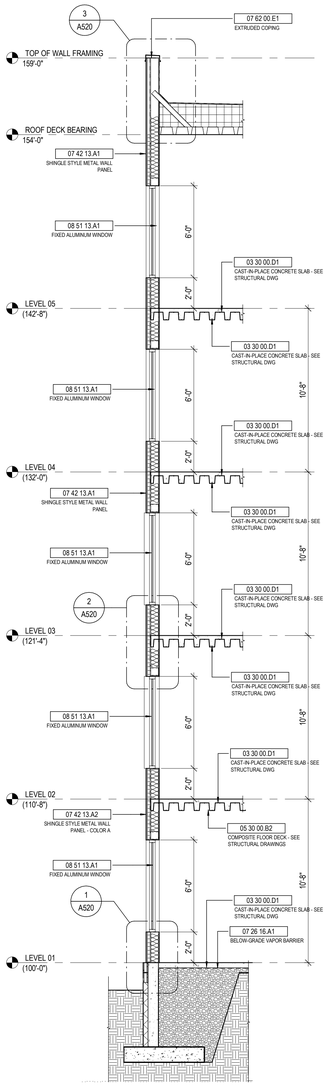
4 SECTION STOREFRONT
1/4" = 1'-0" REF: 1 / A001



3 SECTION WEST WALL OF EAST WING
1/4" = 1'-0" REF: 1 / A001



2 SECTION FIBER CEMENT PANEL / CMU VENEER BASE
1/4" = 1'-0" REF: 1 / A002



1 SECTION SHINGLE STYLE METAL WALL PANEL
1/4" = 1'-0" REF: 1 / A001

PRINT DATE: 2/6/2020 5:10:14 PM
FILE INFO: B:M 360\NKU - New Residence Hall\NKU-10976-01_ARCH.rvt

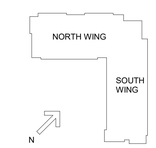
STATE OF KENTUCKY APPROVAL

GENERAL NOTES - WALL SECTIONS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03 30 00.D1	CAST-IN-PLACE CONCRETE SLAB - SEE STRUCTURAL DWG
04 00 00.J1B	GROUND FACE CMU - COLOR B
05 30 00.B2	COMPOSITE FLOOR DECK - SEE STRUCTURAL DRAWINGS
05 40 00.A8	6" CFMF - SEE STRUCTURAL DRAWINGS
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 26 16.A1	BELOW-GRADE VAPOR BARRIER
07 42 13.A1	SHINGLE STYLE METAL WALL PANEL
07 42 13.A2	SHINGLE STYLE METAL WALL PANEL - COLOR A
07 42 13.A5	VERTICAL METAL PANEL - COLOR A
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 42 13.D4	HORIZONTAL SUB-GIRT - 3/4"
07 46 46.A4	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR B
07 54 23.A2	FULLY ADHERED TPO ROOFING
07 62 00.E1	EXTRUDED COPING
08 11 00.A1	HOLLOW METAL DOOR AND FRAME
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 51 13.A1	FIXED ALUMINUM WINDOW
09 21 16.M1	GYPSUM BOARD
09 51 13.A1	SUSPENDED ACOUSTICAL CEILING SYSTEM - SEE RCP
31 30 00.B2	COMPACTED GRAVEL SUB-BASE
31 30 00.F2	UNDISTURBED SOIL



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
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DRAWING TITLE:

WALL SECTIONS

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A501

BID & PERMIT SUBMITTAL

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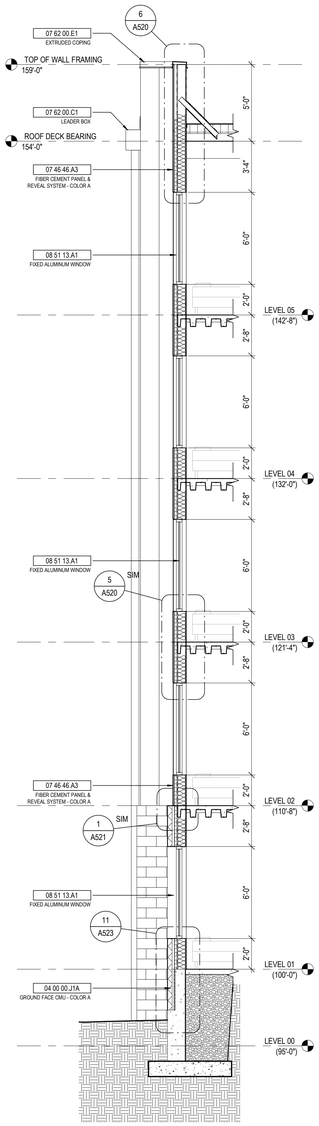
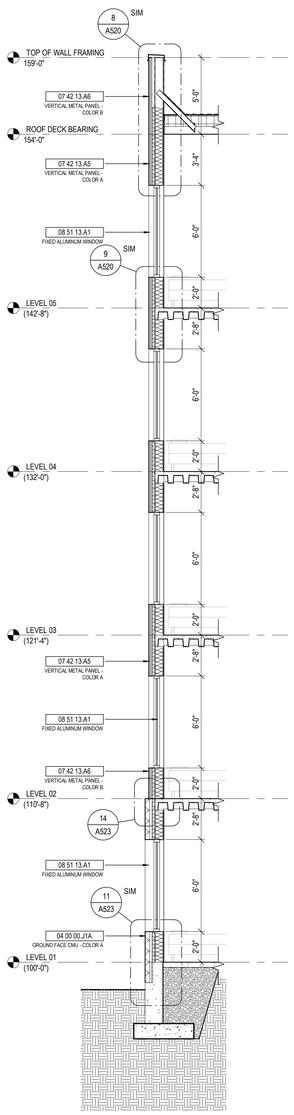
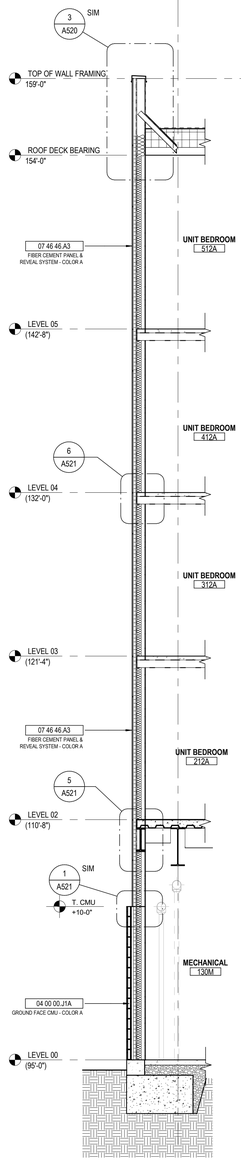


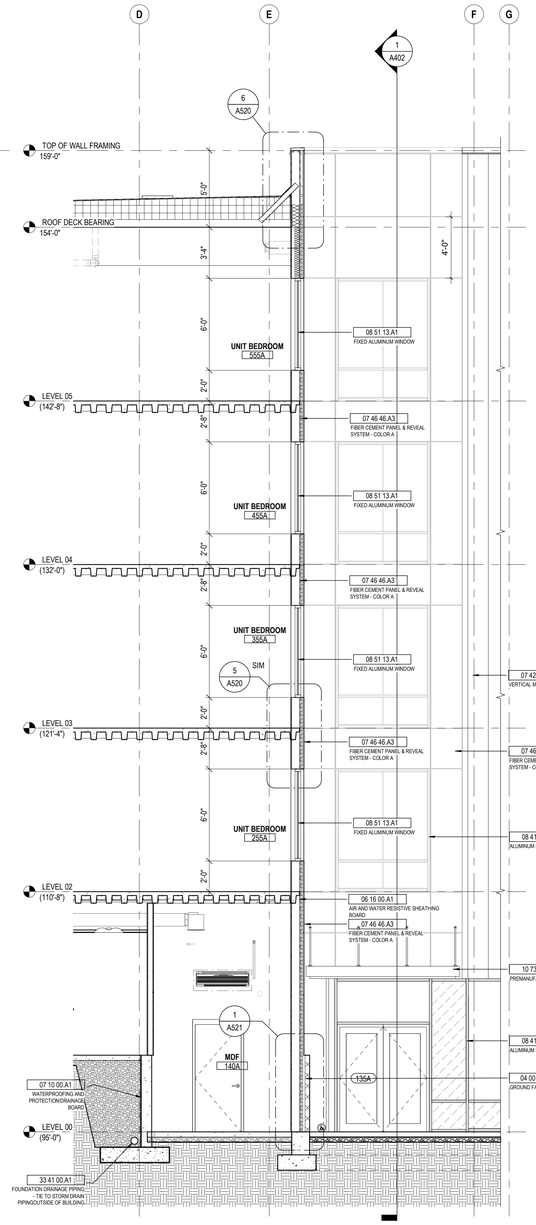
5 SECTION 1/4" = 1'-0" — FIBER CEMENT VER CMU - N. — REF: 1 / A001



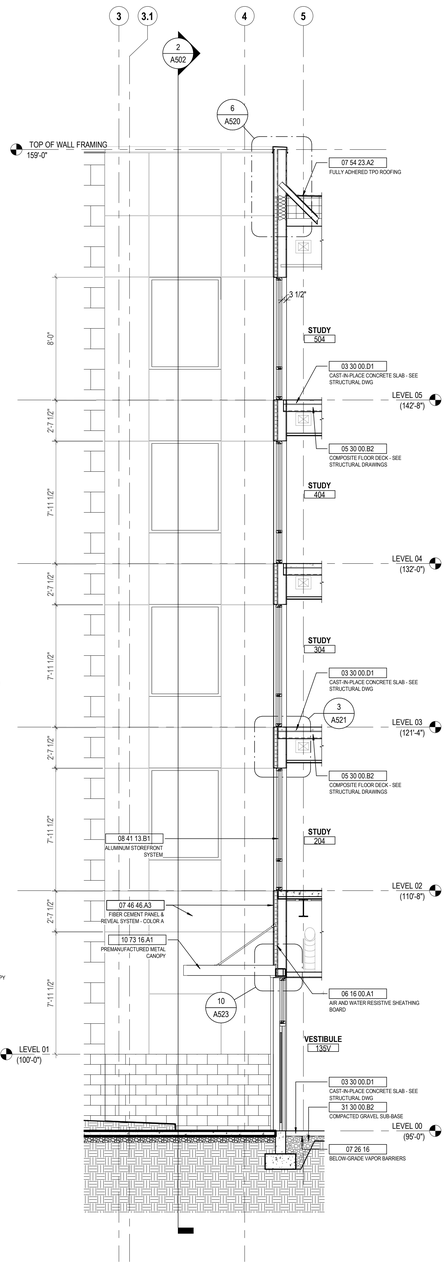
4 SECTION 1/4" = 1'-0" — VERT. PANELS OVER CMU - N. — REF: 1 / A001



3 SECTION 1/4" = 1'-0" — FIBER CEMENT / CMU - SOUTH — REF: 1 / A001



2 SECTION 1/4" = 1'-0" — PATIO ENTRY - LOOKING EAST — REF: 1 / A001



1 SECTION 1/4" = 1'-0" — PATIO ENTRY - LOOKING NORTH — REF: 1 / A402

STATE OF KENTUCKY APPROVAL

GENERAL NOTES - WALL SECTIONS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03 30 00.D1	CAST-IN-PLACE CONCRETE SLAB - SEE STRUCTURAL DWG
04 00 00.J1A	GROUND FACE CMU - COLOR A
04 00 00.J1B	GROUND FACE CMU - COLOR B
05 30 00.B2	COMPOSITE FLOOR DECK - SEE STRUCTURAL DRAWINGS
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 10 00.A1	WATERPROOFING AND PROTECTION/DRAINAGE BOARD
07 26 16	BELOW-GRADE VAPOR BARRIERS
07 42 13.A5	VERTICAL METAL PANEL - COLOR A
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 46 46.A3	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR A
07 54 23.A2	FULLY ADHERED TPO ROOFING
07 62 00.C1	LEADER BOX
07 62 00.E1	EXTRUDED COPING
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 51 13.A1	FIXED ALUMINUM WINDOW
10 73 16.A1	PREMANUFACTURED METAL CANOPY
31 30 00.B2	COMPACTED GRAVEL SUB-BASE
33 41 00.A1	FOUNDATION DRAINAGE PIPING - TIE TO STORM DRAIN PIPINGOUTSIDE OF BUILDING

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

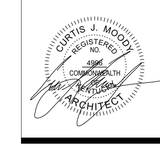
NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:

WALL SECTIONS



JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A502

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:10:34 PM
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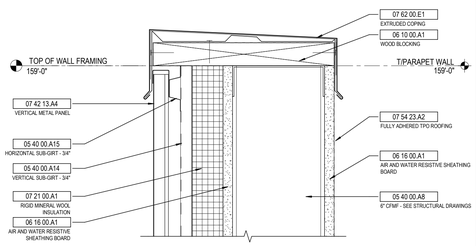
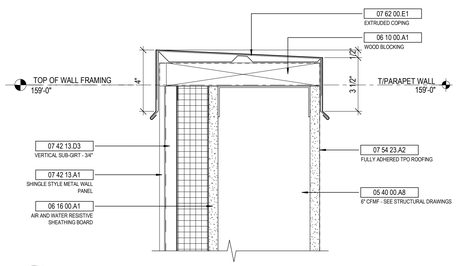
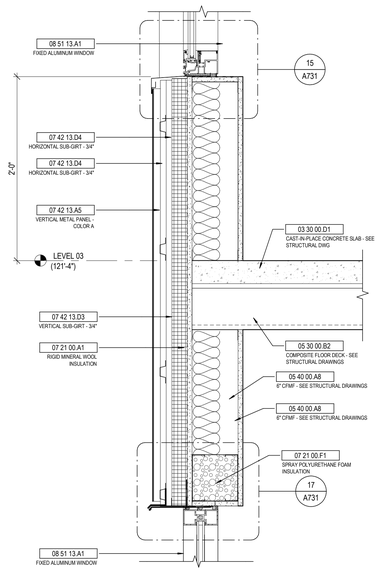


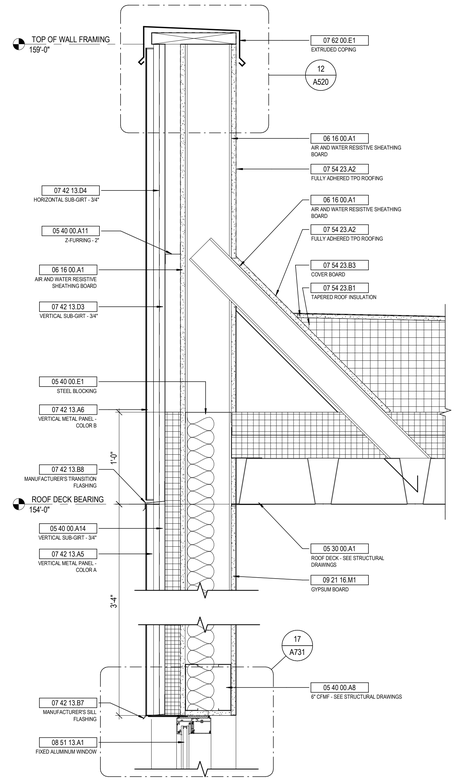
12 DETAIL PARAPET @ VERTICAL METAL PANEL
3" = 1'-0" REF: 8 / A520



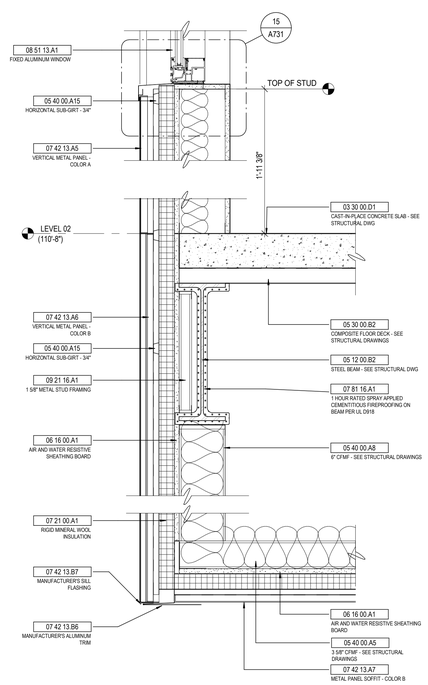
10 DETAIL PARAPET COPING
3" = 1'-0" REF: 3 / A520



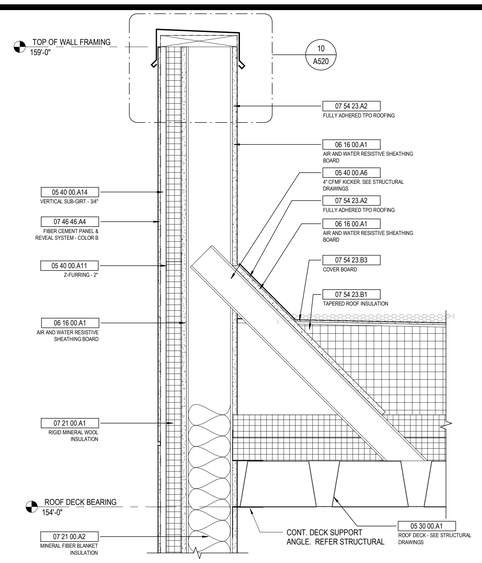
9 DETAIL TYPICAL VERTICAL METAL PANELS
1 1/2" = 1'-0" REF: 3 / A501



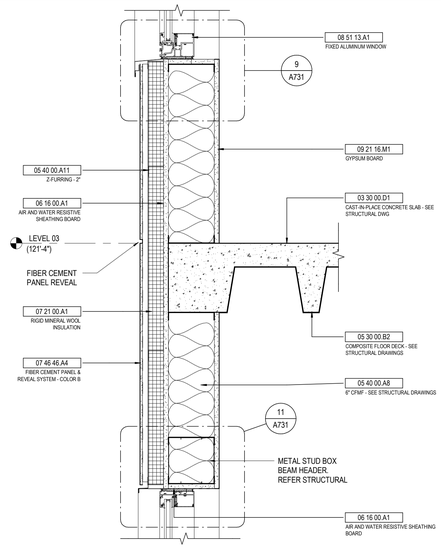
8 DETAIL PARAPET @ VERTICAL METAL PANELS
1 1/2" = 1'-0" REF: 3 / A501



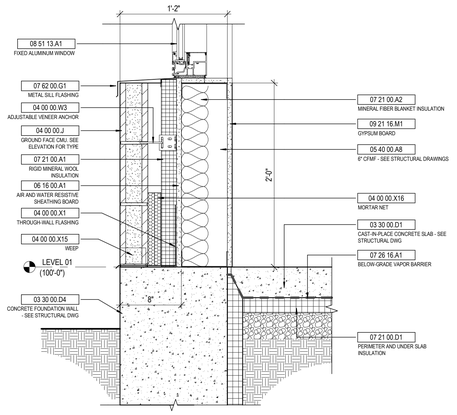
7 DETAIL WEST SOFFIT
1 1/2" = 1'-0" REF: 3 / A501



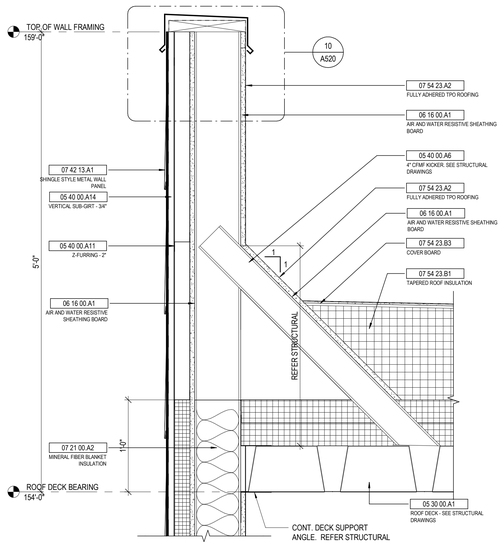
6 DETAIL TYPICAL FIBER CEMENT PANEL SYSTEM
1 1/2" = 1'-0" REF: 2 / A501



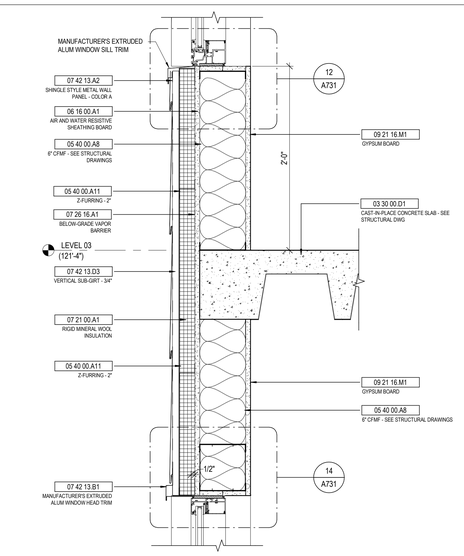
5 DETAIL TYPICAL MFC WALL @ UPPER FLOOR
1 1/2" = 1'-0" REF: 2 / A501



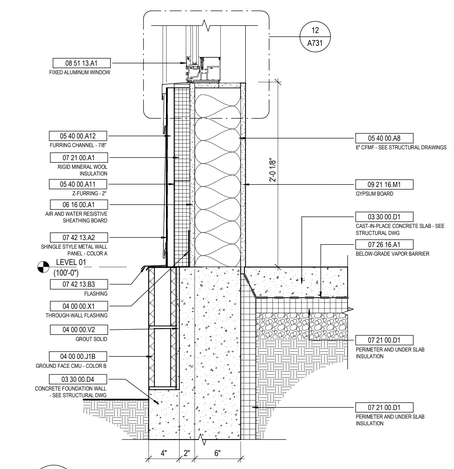
4 DETAIL FIBER CEMENT & REVEAL WALL BASE
1 1/2" = 1'-0" REF: 2 / A501



3 DETAIL ROOF PARAPET @ METAL SHINGLE PANEL
1 1/2" = 1'-0" REF: 1 / A501



2 DETAIL TYPICAL INTERMEDIATE FLOOR - SHINGLE WALL PANEL
1 1/2" = 1'-0" REF: 1 / A501



1 DETAIL GROUND FACE CMU WALL BASE
1 1/2" = 1'-0" REF: 1 / A501

STATE OF KENTUCKY APPROVAL

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03 30 00.D1	CAST-IN-PLACE CONCRETE SLAB - SEE STRUCTURAL DWG
03 30 00.D4	CONCRETE FOUNDATION WALL - SEE STRUCTURAL DWG
04 00 00.J	GROUND FACE CMU. SEE ELEVATION FOR TYPE
04 00 00.J1B	GROUND FACE CMU - COLOR B
04 00 00.V2	GROUT SOLID
04 00 00.W3	ADJUSTABLE VENEER ANCHOR
04 00 00.X1	THROUGH-WALL FLASHING
04 00 00.X15	WEEP
04 00 00.X16	MORTAR NET
05 12 00.B2	STEEL BEAM - SEE STRUCTURAL DWG
05 30 00.A1	ROOF DECK - SEE STRUCTURAL DRAWINGS
05 30 00.B2	COMPOSITE FLOOR DECK - SEE STRUCTURAL DRAWINGS
05 40 00.A5	3 5/8" CFMF - SEE STRUCTURAL DRAWINGS
05 40 00.A6	4" CFMF KICKER. SEE STRUCTURAL DRAWINGS
05 40 00.A8	6" CFMF - SEE STRUCTURAL DRAWINGS
05 40 00.A11	Z-FURRING - 2"
05 40 00.A12	FURRING CHANNEL - 7/8"
05 40 00.A14	VERTICAL SUB-GIRT - 3/4"
05 40 00.A15	HORIZONTAL SUB-GIRT - 3/4"
05 40 00.E1	STEEL BLOCKING
06 10 00.A1	WOOD BLOCKING
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 21 00.A1	RIGID MINERAL WOOL INSULATION
07 21 00.A2	MINERAL FIBER BLANKET INSULATION
07 21 00.D1	PERIMETER AND UNDER SLAB INSULATION
07 21 00.F1	SPRAY POLYURETHANE FOAM INSULATION
07 26 16.A1	BELOW-GRADE VAPOR BARRIER
07 42 13.A1	SHINGLE STYLE METAL WALL PANEL
07 42 13.A2	SHINGLE STYLE METAL WALL PANEL - COLOR A
07 42 13.A3	VERTICAL METAL PANEL - COLOR A
07 42 13.A4	VERTICAL METAL PANEL
07 42 13.A5	VERTICAL METAL PANEL - COLOR A
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 42 13.A7	METAL PANEL SOFFIT - COLOR B
07 42 13.B1	MANUFACTURER'S EXTRUDED ALUM WINDOW HEAD TRIM
07 42 13.B3	FLASHING
07 42 13.B6	MANUFACTURER'S ALUMINUM TRIM
07 42 13.B7	MANUFACTURER'S SILL FLASHING
07 42 13.B8	MANUFACTURER'S TRANSITION FLASHING
07 42 13.D3	VERTICAL SUB-GIRT - 3/4"
07 42 13.D4	HORIZONTAL SUB-GIRT - 3/4"
07 46 46.A4	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR B
07 54 23.A2	FULLY ADHERED TPO ROOFING
07 54 23.B1	TAPERED ROOF INSULATION
07 54 23.B3	COVER BOARD
07 62 00.E1	EXTRUDED COPING
07 62 00.G1	METAL SILL FLASHING
07 81 16.A1	1 HOUR RATED SPRAY APPLIED CEMENTITIOUS FIREPROOFING ON BEAM PER UL D918
08 51 13.A1	FIXED ALUMINUM WINDOW
09 21 16.A1	1 5/8" METAL STUD FRAMING
09 21 16.M1	GYPSUM BOARD

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:

EXTERIOR DETAILS

CURTIS J. MOODY REGISTERED NO. 18237 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A520

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:10:52 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-15976-01_ARCH.rvt

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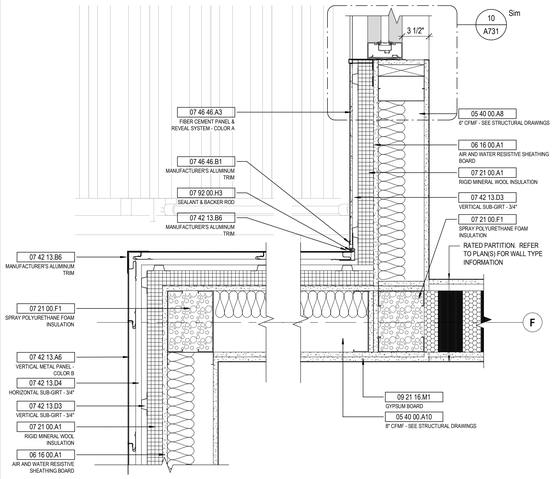
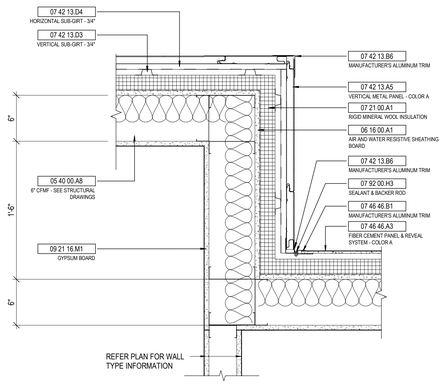
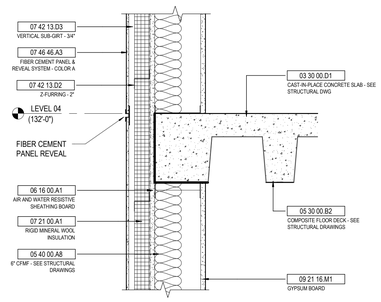


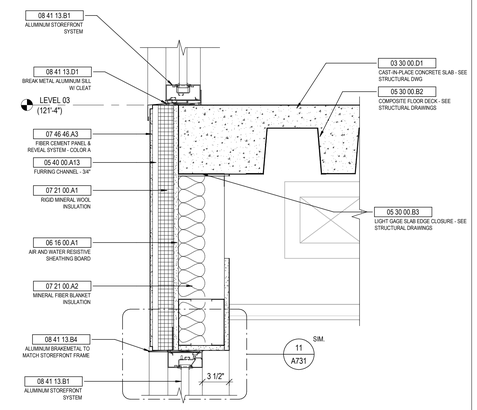
12 DETAIL OUTSIDE CORNER METAL PANEL. INSIDE CORNER METAL PANEL TO FIBER CEMENT
1 1/2" = 1'-0" REF: 1 / A002



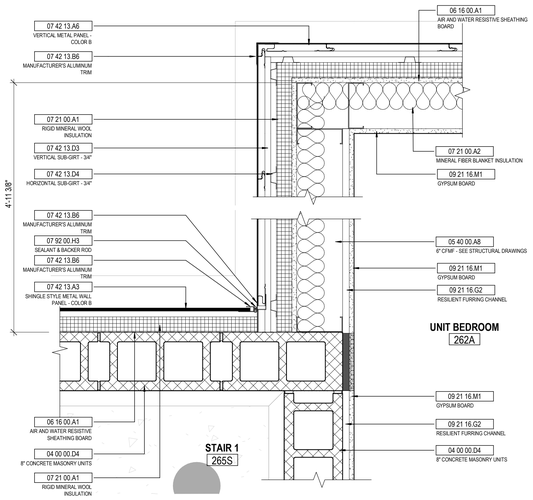
9 DETAIL OUTSIDE CORNER METAL PANELS. INSIDE CORNER PANELR TO FIBER CEMENT
1 1/2" = 1'-0" REF: 1 / A002



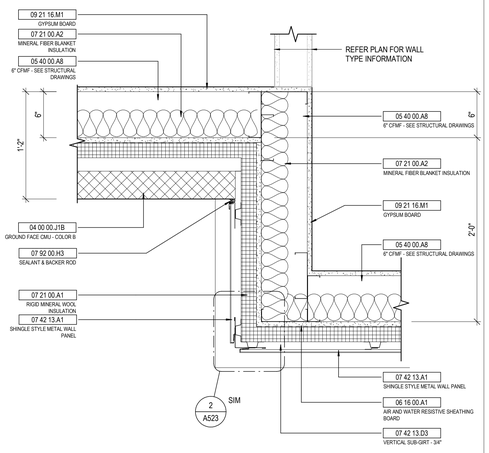
6 DETAIL Section 41 - Callout 4
1 1/2" = 1'-0" REF: 3 / A502



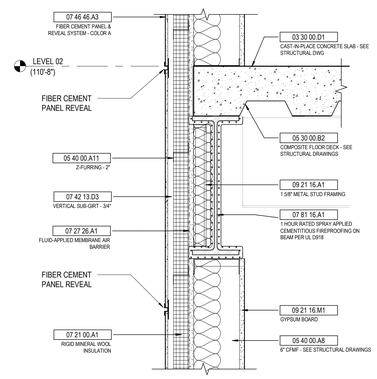
3 DETAIL FIBER CEMENT PANEL & STOREFRONT @ INTERMEDIATE FLOORS
1 1/2" = 1'-0" REF: 1 / A502



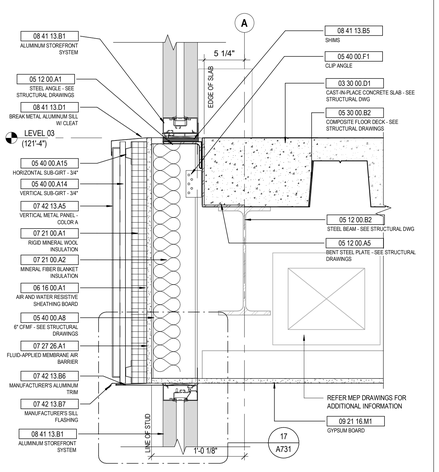
11 DETAIL OUTSIDE CORNER METAL PANEL. INSIDE CORNER METAL PANEL TO SIDING
1 1/2" = 1'-0" REF: 1 / A002



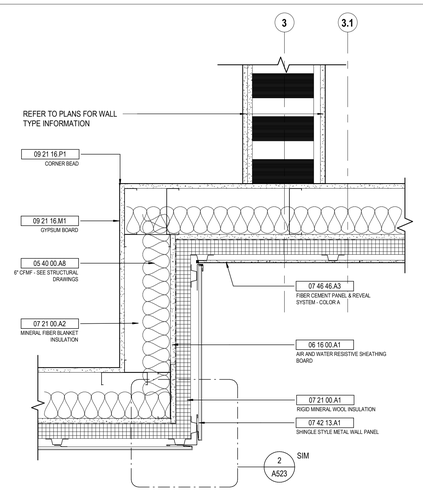
8 DETAIL OUTSIDE CORNER SHINGLES. INSIDE CORNER SHINGLE TO CMU
1 1/2" = 1'-0" REF: 1 / A001



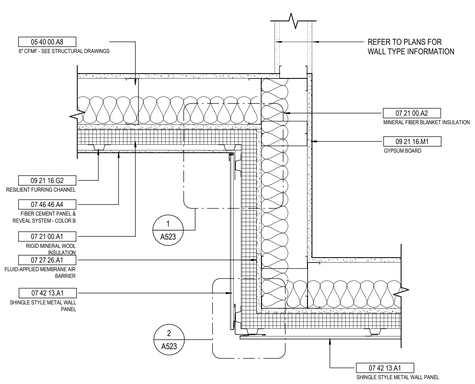
5 DETAIL FIBER CEMENT PANELS AT FLOOR
1 1/2" = 1'-0" REF: 3 / A502



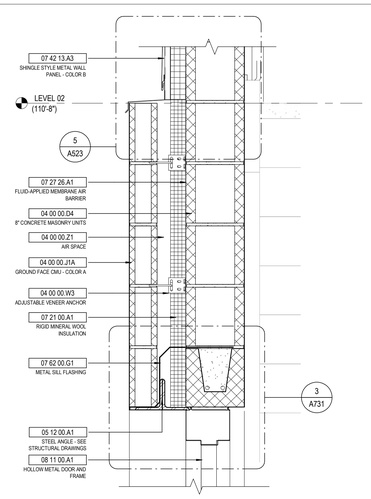
2 DETAIL VERTICAL METAL PANEL & STOREFRONT @ INTERMEDIATE FLOORS
1 1/2" = 1'-0" REF: 4 / A501



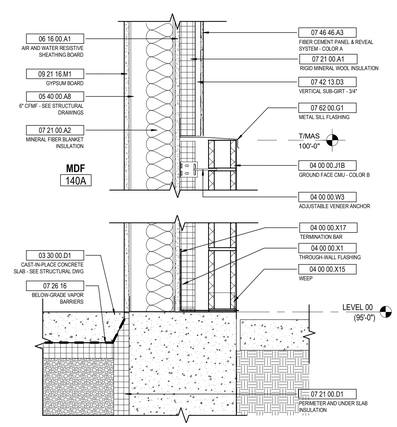
10 DETAIL OUTSIDE CORNER SHINGLES. INSIDE CORNER SHINGLE TO FIBER CEMENT - LH
1 1/2" = 1'-0" REF: 1 / A002



7 DETAIL OUTSIDE CORNER SHINGLES. INSIDE CORNER SHINGLE TO FIBER CEMENT - RH
1 1/2" = 1'-0" REF: 1 / A002



4 DETAIL SILL, METAL PANEL TO BRICK VENEER
1 1/2" = 1'-0" REF: 5 / A601



1 DETAIL CMU VENEER / METAL STUD WALL BASE
1 1/2" = 1'-0" REF: 2 / A501

STATE OF KENTUCKY APPROVAL

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03 30 00.D1	CAST-IN-PLACE CONCRETE SLAB - SEE STRUCTURAL DWG
04 00 00.D4	8" CONCRETE MASONRY UNITS
04 00 00.J1A	GROUND FACE CMU - COLOR A
04 00 00.J1B	GROUND FACE CMU - COLOR B
04 00 00.W3	ADJUSTABLE VENEER ANCHOR
04 00 00.X1	THROUGH-WALL FLASHING
04 00 00.X15	WEEP
04 00 00.X17	TERMINATION BAR
04 00 00.Z1	AIR SPACE
05 12 00.A1	STEEL ANGLE - SEE STRUCTURAL DRAWINGS
05 12 00.A5	BENT STEEL PLATE - SEE STRUCTURAL DRAWINGS
05 12 00.B2	STEEL BEAM - SEE STRUCTURAL DWG
05 30 00.B2	COMPOSITE FLOOR DECK - SEE STRUCTURAL DRAWINGS
05 30 00.B3	LIGHT GAGE SLAB EDGE CLOSURE - SEE STRUCTURAL DRAWINGS
05 40 00.A8	6" CFMF - SEE STRUCTURAL DRAWINGS
05 40 00.A10	8" CFMF - SEE STRUCTURAL DRAWINGS
05 40 00.A11	Z-FURRING - 2"
05 40 00.A13	FURRING CHANNEL - 3/4"
05 40 00.A14	VERTICAL SUB-GIRT - 3/4"
05 40 00.A15	HORIZONTAL SUB-GIRT - 3/4"
05 40 00.F1	CLIP ANGLE
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 21 00.A1	RIGID MINERAL WOOL INSULATION
07 21 00.A2	MINERAL FIBER BLANKET INSULATION
07 21 00.D1	PERIMETER AND UNDER SLAB INSULATION
07 21 00.F1	SPRAY POLYURETHANE FOAM INSULATION
07 26 16	BELOW-GRADE VAPOR BARRIERS
07 27 26.A1	FLUID-APPLIED MEMBRANE AIR BARRIER
07 42 13.A1	SHINGLE STYLE METAL WALL PANEL
07 42 13.A3	SHINGLE STYLE METAL WALL PANEL - COLOR B
07 42 13.A5	VERTICAL METAL PANEL - COLOR A
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 42 13.B6	MANUFACTURER'S ALUMINUM TRIM
07 42 13.B7	MANUFACTURER'S SILL FLASHING
07 42 13.D2	Z-FURRING - 2"
07 42 13.D3	VERTICAL SUB-GIRT - 3/4"
07 42 13.D4	HORIZONTAL SUB-GIRT - 3/4"
07 46 46.A3	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR A
07 46 46.A4	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR B
07 46 46.B1	MANUFACTURER'S ALUMINUM TRIM
07 62 00.G1	METAL SILL FLASHING
07 81 16.A1	1 HOUR RATED SPRAY APPLIED CEMENTITIOUS FIREPROOFING ON BEAM PER UL D918
07 92 00.H3	SEALANT & BACKER ROD
08 11 00.A1	HOLLOW METAL DOOR AND FRAME
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 41 13.B4	ALUMINUM BRAKEMETAL TO MATCH STOREFRONT FRAME
08 41 13.B5	SHIMS
08 41 13.D1	BREAK METAL ALUMINUM SILL W/ CLEAT
09 21 16.A1	1 5/8" METAL STUD FRAMING
09 21 16.G2	RESILIENT FURRING CHANNEL
09 21 16.M1	GYPSUM BOARD
09 21 16.P1	CORNER BEAD

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
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PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:

EXTERIOR DETAILS

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

A521

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:11:19 PM
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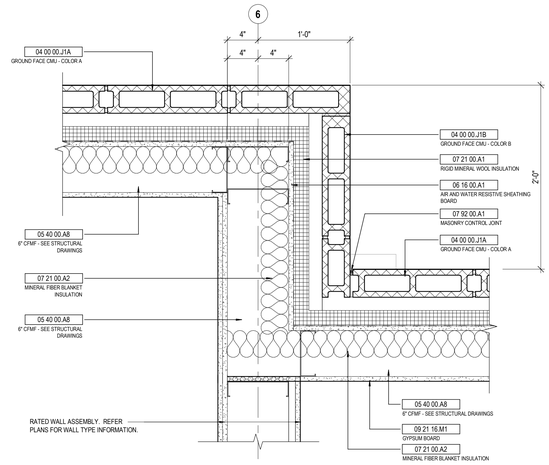
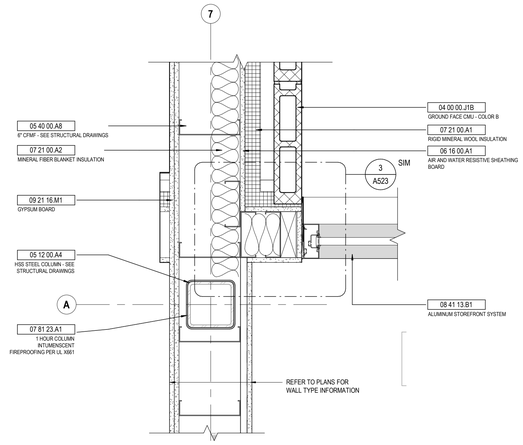
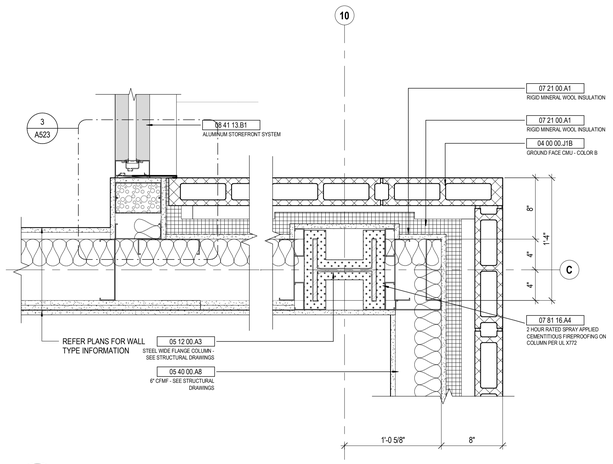


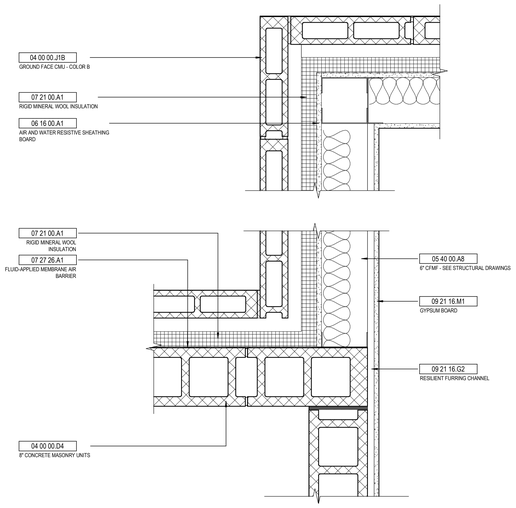
9 DETAIL GROUND FACE CMU - OUTSIDE AND INSIDE CORNERS
1 1/2" = 1'-0" REF: 1 / A001



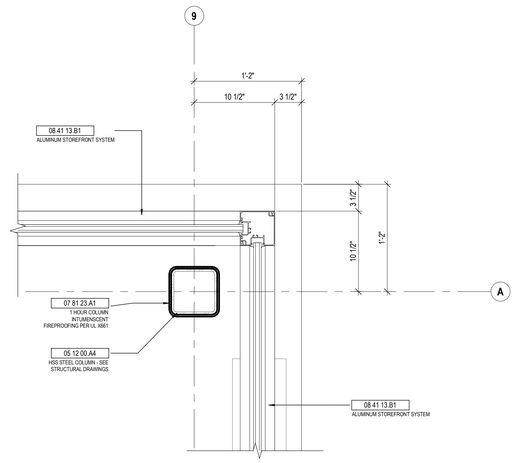
6 DETAIL GROUND FACE CMU / STOREFRONT JAMB
1 1/2" = 1'-0" REF: 1 / A001



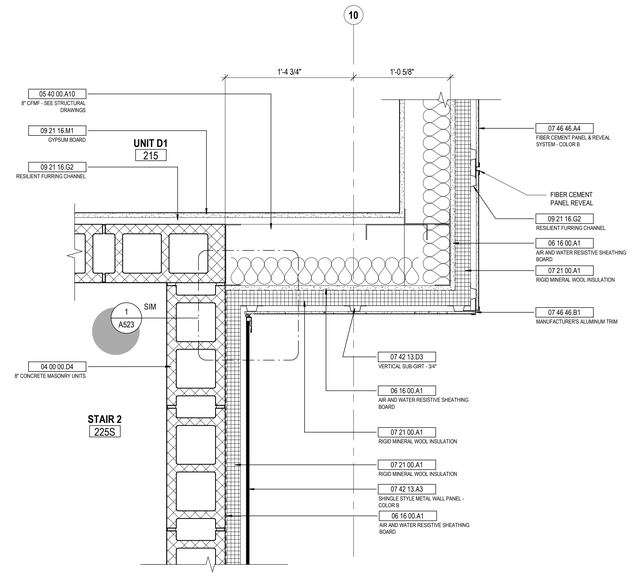
3 DETAIL GROUND FACE CMU - JAMB DETAIL
1 1/2" = 1'-0" REF: 1 / A001



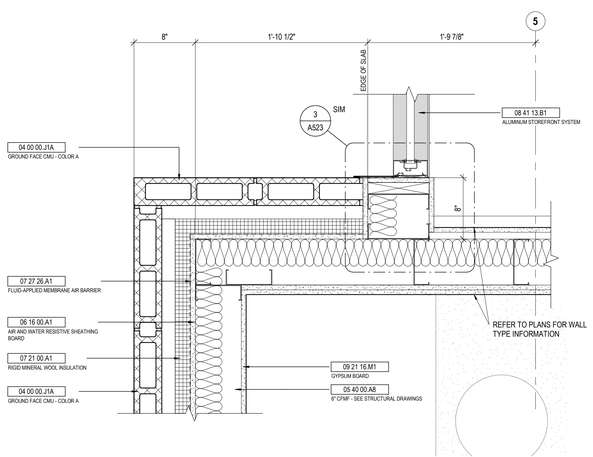
8 DETAIL CMU TO METAL STUD TRANSITION @ GROUND FACE CMU EXTERIOR
1 1/2" = 1'-0" REF: 1 / A001



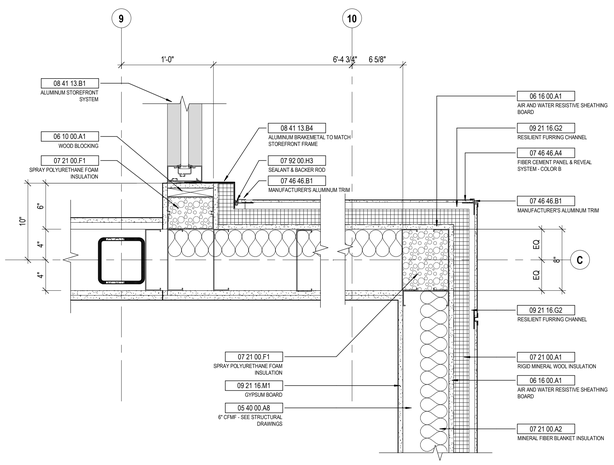
5 DETAIL ALUMINUM STOREFRONT CORNER
1 1/2" = 1'-0" REF: 1 / A001



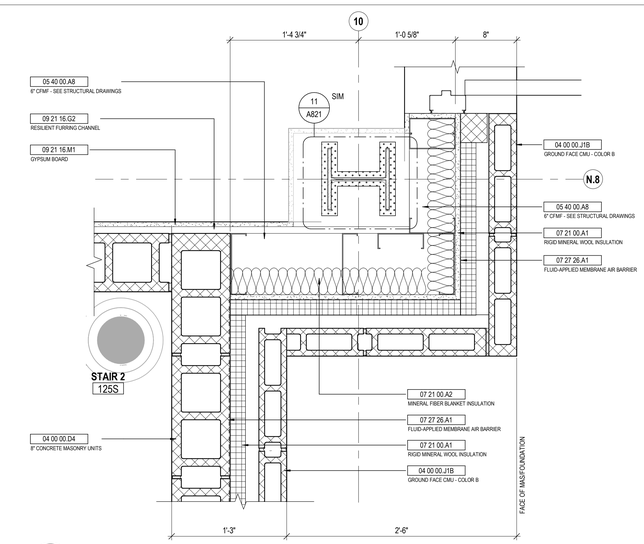
2 DETAIL OUTSIDE CORNER FIVER CEMENT. INSIDE CORNER SHINGLE TO FIBER CEMENT
1 1/2" = 1'-0" REF: 1 / A002



7 DETAIL GROUND FACE CMU - JAMB DETAIL
1 1/2" = 1'-0" REF: 1 / A001



4 DETAIL OUTSIDE CORNER FIBER CEMENT TO STOREFRONT JAMB
1 1/2" = 1'-0" REF: 1 / A002



1 DETAIL CMU - CFMF TO CMU BACKUP TRANSITION
1 1/2" = 1'-0" REF: 1 / A001

STATE OF KENTUCKY APPROVAL

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 00 00.D4	8" CONCRETE MASONRY UNITS
04 00 00.J1A	GROUND FACE CMU - COLOR A
04 00 00.J1B	GROUND FACE CMU - COLOR B
05 12 00.A3	STEEL WIDE FLANGE COLUMN - SEE STRUCTURAL DRAWINGS
05 12 00.A4	HSS STEEL COLUMN - SEE STRUCTURAL DRAWINGS
05 40 00.A8	6" CFMF - SEE STRUCTURAL DRAWINGS
05 40 00.A10	8" CFMF - SEE STRUCTURAL DRAWINGS
06 10 00.A1	WOOD BLOCKING
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 21 00.A1	RIGID MINERAL WOOL INSULATION
07 21 00.A2	MINERAL FIBER BLANKET INSULATION
07 21 00.F1	SPRAY POLYURETHANE FOAM INSULATION
07 27 26.A1	FLUID-APPLIED MEMBRANE AIR BARRIER
07 42 13.A3	SHINGLE STYLE METAL WALL PANEL - COLOR B
07 42 13.D3	VERTICAL SUB-GIRT - 3/4"
07 46 46.A4	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR B
07 46 46.B1	MANUFACTURER'S ALUMINUM TRIM
07 81 16.A4	2 HOUR RATED SPRAY APPLIED CEMENTITIOUS FIREPROOFING ON COLUMN PER UL X772
07 81 23.A1	1 HOUR COLUMN INTUMENSCENT FIREPROOFING PER UL X661
07 92 00.A1	MASONRY CONTROL JOINT
07 92 00.H3	SEALANT & BACKER ROD
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 41 13.B4	ALUMINUM BRAKEMETAL TO MATCH STOREFRONT FRAME
09 21 16.G2	RESILIENT FURRING CHANNEL
09 21 16.M1	GYPSUM BOARD

#	DATE	CHANGE DESCRIPTION

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DRAWING TITLE:
EXTERIOR DETAILS

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020
DRAWN BY: **Author** CHECKED BY: **Checker**
#18237
A522
BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:11:35 PM
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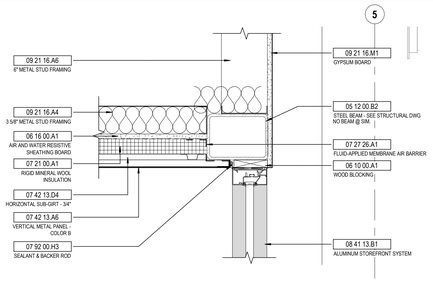
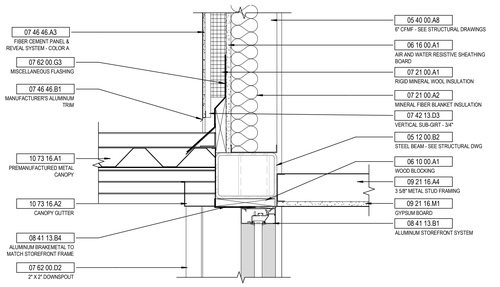
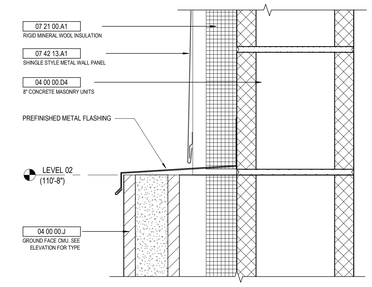


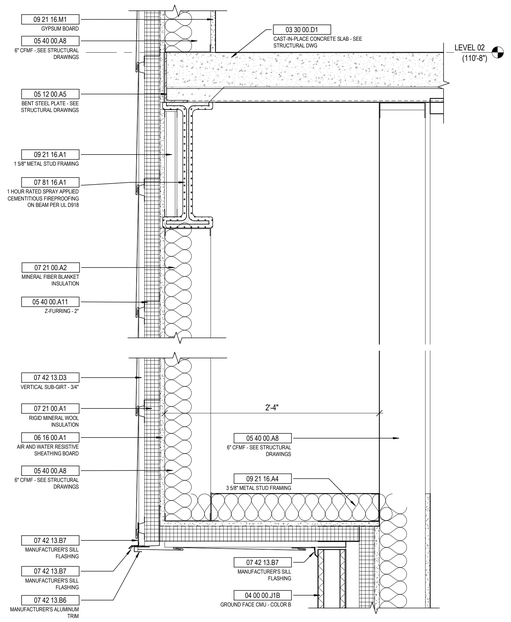
13 DETAIL HEAD AT EAST SOFFIT
1 1/2" = 1'-0" REF: 3 / A501



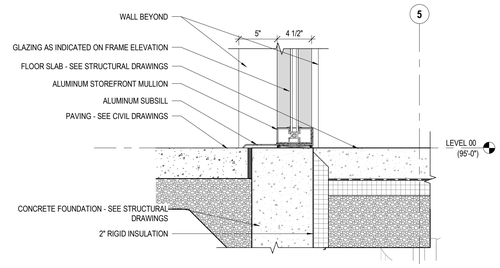
10 DETAIL STOREFRONT HEAD AT CANOPY
1 1/2" = 1'-0" REF: 1 / A502



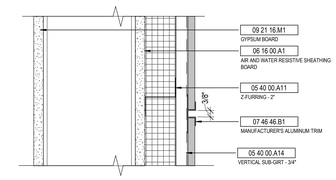
5 DETAIL METAL SHINGLE TO GROUND FACE CMU TRANSITION
3" = 1'-0" REF: 4 / A521



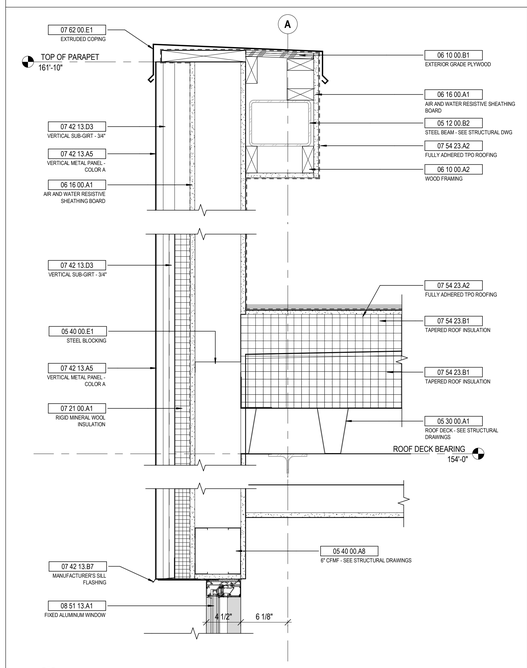
12 DETAIL EXTERIOR SOFFIT - EAST
1 1/2" = 1'-0" REF: 5 / A501



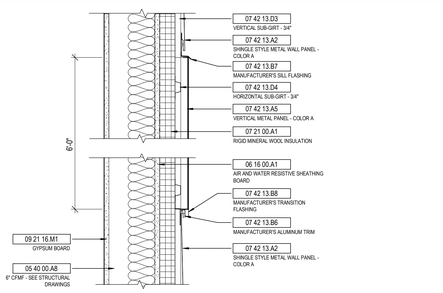
9 DETAIL STOREFRONT SILL @ SLAB
1 1/2" = 1'-0" REF: 3 / A501



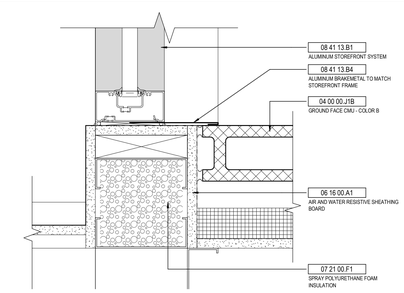
4 DETAIL FIBER CEMENT PANEL - VERTICAL JOINT
3" = 1'-0"



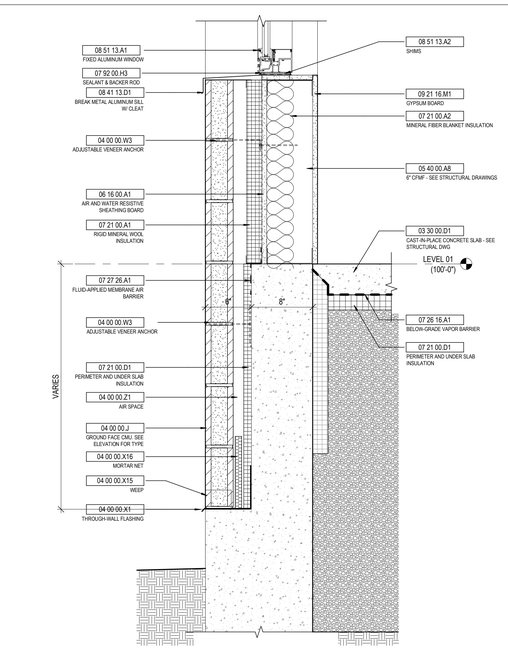
15 DETAIL PARAPET AT NORTHEAST CORNER
1 1/2" = 1'-0" REF: 4 / A501



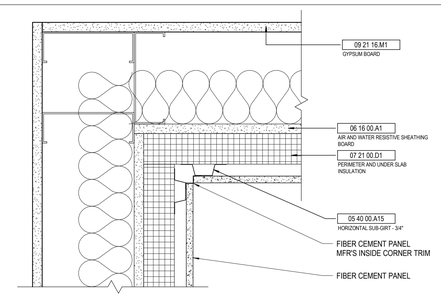
8 DETAIL METAL SIDING TO METAL PANEL TRANSITION
1 1/2" = 1'-0" REF: 3 / A302



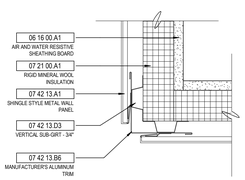
3 DETAIL STOREFRONT JAMB AT CMU
3" = 1'-0" REF: 3 / A522



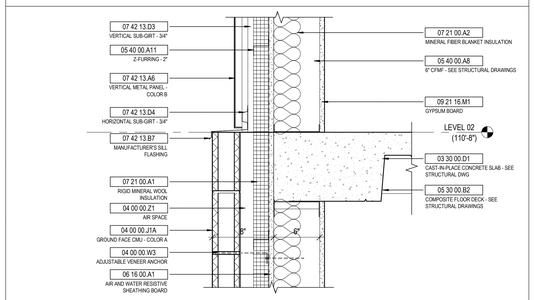
11 DETAIL TYP. FOUNDATION AT NORTH WALL
1 1/2" = 1'-0" REF: 4 / A502



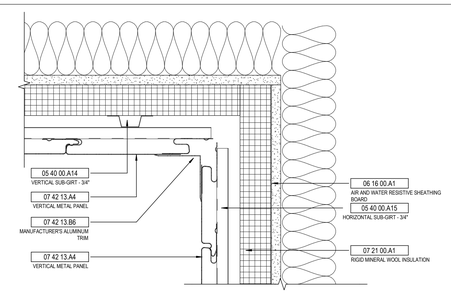
7 DETAIL FIBER CEMENT INSIDE CORNER
3" = 1'-0" REF: 1 / A002



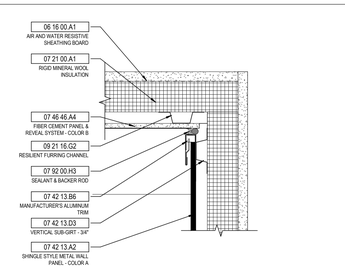
2 DETAIL METAL PANEL - EXTERIOR CORNER
3" = 1'-0" REF: 7 / A521



14 DETAIL VERTICAL PANEL TO CMU TRANSITION
1 1/2" = 1'-0" REF: 4 / A502



6 DETAIL VERTICAL METAL PANEL - INSIDE CORNER
3" = 1'-0"



1 DETAIL METAL PANEL TO FIBER CEMENT TRANSITION - INSIDE CORNER
3" = 1'-0" REF: 7 / A521

STATE OF KENTUCKY APPROVAL

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03 30 00.D1	CAST-IN-PLACE CONCRETE SLAB - SEE STRUCTURAL DWG
04 00 00.D4	8" CONCRETE MASONRY UNITS
04 00 00.J	GROUND FACE CMU. SEE ELEVATION FOR TYPE
04 00 00.J1A	GROUND FACE CMU - COLOR A
04 00 00.J1B	GROUND FACE CMU - COLOR B
04 00 00.W3	ADJUSTABLE VENEER ANCHOR
04 00 00.X1	THROUGH-WALL FLASHING
04 00 00.X15	WEEP
04 00 00.X16	MORTAR NET
04 00 00.Z1	AIR SPACE
05 12 00.A5	BENT STEEL PLATE - SEE STRUCTURAL DRAWINGS
05 12 00.B2	STEEL BEAM - SEE STRUCTURAL DWG
05 30 00.A1	ROOF DECK - SEE STRUCTURAL DRAWINGS
05 30 00.B2	COMPOSITE FLOOR DECK - SEE STRUCTURAL DRAWINGS
05 40 00.A8	6" CFMF - SEE STRUCTURAL DRAWINGS
05 40 00.A11	Z-FURRING - 2"
05 40 00.A14	VERTICAL SUB-GIRT - 3/4"
05 40 00.A15	HORIZONTAL SUB-GIRT - 3/4"
05 40 00.E1	STEEL BLOCKING
06 10 00.A1	WOOD BLOCKING
06 10 00.A2	WOOD FRAMING
06 10 00.B1	EXTERIOR GRADE PLYWOOD
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 21 00.A1	RIGID MINERAL WOOL INSULATION
07 21 00.A2	MINERAL FIBER BLANKET INSULATION
07 21 00.D1	PERIMETER AND UNDER SLAB INSULATION
07 21 00.F1	SPRAY POLYURETHANE FOAM INSULATION
07 26 16.A1	BELOW-GRADE VAPOR BARRIER
07 27 26.A1	FLUID-APPLIED MEMBRANE AIR BARRIER
07 42 13.A1	SHINGLE STYLE METAL WALL PANEL
07 42 13.A2	SHINGLE STYLE METAL WALL PANEL - COLOR A
07 42 13.A4	VERTICAL METAL PANEL
07 42 13.A5	VERTICAL METAL PANEL - COLOR A
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 42 13.B6	MANUFACTURER'S ALUMINUM TRIM
07 42 13.B7	MANUFACTURER'S SILL FLASHING
07 42 13.B8	MANUFACTURER'S TRANSITION FLASHING
07 42 13.D3	VERTICAL SUB-GIRT - 3/4"
07 42 13.D4	HORIZONTAL SUB-GIRT - 3/4"
07 42 13.D5	HORIZONTAL SUB-GIRT - 3/4"
07 46 46.A3	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR A
07 46 46.A4	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR B
07 46 46.B1	MANUFACTURER'S ALUMINUM TRIM
07 54 23.A2	FULLY ADHERED TPO ROOFING
07 54 23.B1	TAPERED ROOF INSULATION
07 62 00.D2	2" X 2" DOWNSPOUT
07 62 00.E1	EXTRUDED COPING
07 62 00.G3	MISCELLANEOUS FLASHING
07 81 16.A1	1 HOUR RATED SPRAY APPLIED CEMENTITIOUS FIREPROOFING ON BEAM PER UL D918
07 92 00.H3	SEALANT & BACKER ROD
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 41 13.B4	ALUMINUM BRAKEMETAL TO MATCH STOREFRONT FRAME
08 41 13.D1	BREAK METAL ALUMINUM SILL W/ CLEAT
08 51 13.A1	FIXED ALUMINUM WINDOW
08 51 13.A2	SHIMS
09 21 16.A1	1 5/8" METAL STUD FRAMING
09 21 16.A4	3 5/8" METAL STUD FRAMING
09 21 16.A6	6" METAL STUD FRAMING
09 21 16.G2	RESILIENT FURRING CHANNEL
09 21 16.M1	GYPSUM BOARD
10 73 16.A1	PREMANUFACTURED METAL CANOPY
10 73 16.A2	CANOPY GUTTER

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
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DRAWING TITLE:

EXTERIOR DETAILS

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: Checker

#18237

A523

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PRINT DATE: 2/6/2020 5:11:55 PM
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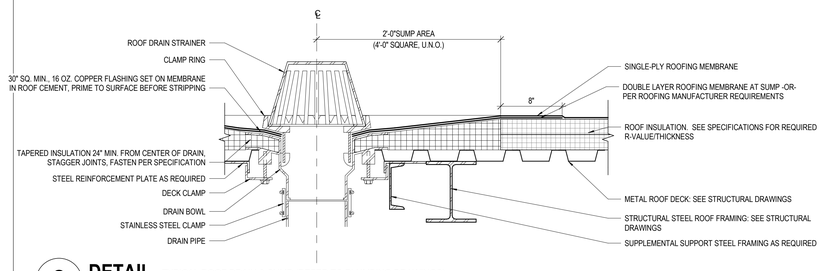
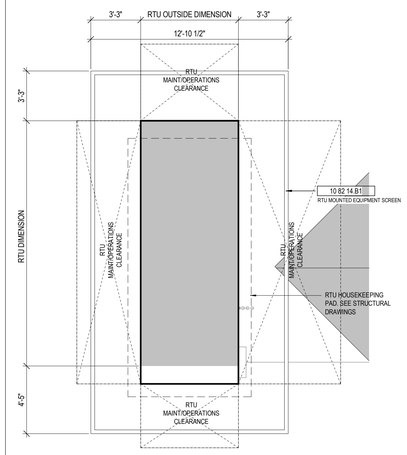
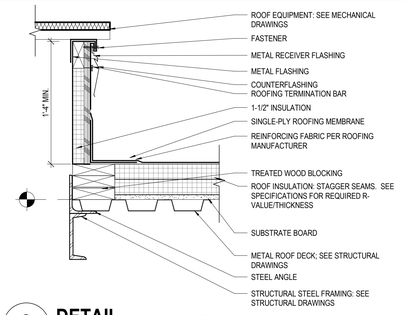


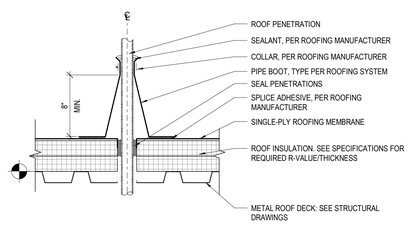
8 DETAIL TYPICAL ROOF DRAIN & SUMP (REFER TO PLUMBING DRAWINGS)
1 1/2" = 1'-0"



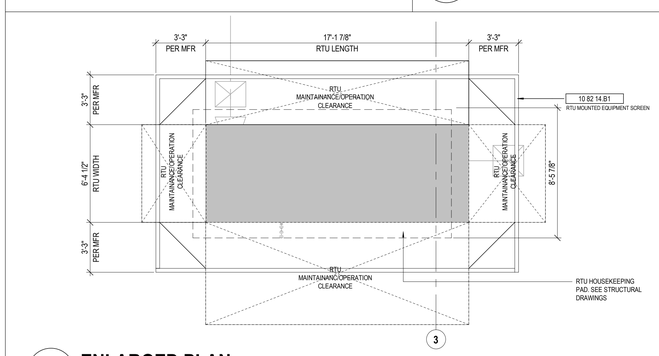
7 ENLARGED PLAN RTU MOUNTED EQUIPMENT SCREEN - E
1/4" = 1'-0" REF: 1 / A106



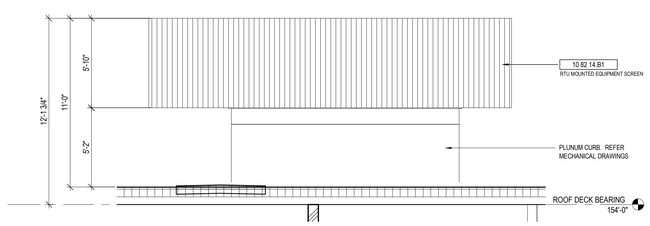
3 DETAIL MECHANICAL CURB
1 1/2" = 1'-0"



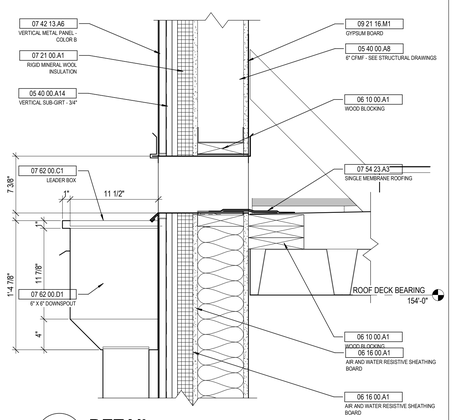
2 DETAIL PENETRATION
1 1/2" = 1'-0"



6 ENLARGED PLAN RTU MOUNTED EQUIPMENT SCREEN
1/4" = 1'-0" REF: 1 / A106



5 ELEVATION RTU MOUNTED EQUIPEMTN SCREEN
1/4" = 1'-0" REF: 1 / A106



1 DETAIL THRU WALL SCUPPER
1 1/2" = 1'-0" REF: 1 / A106

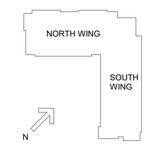
STATE OF KENTUCKY APPROVAL

GENERAL NOTES - ROOF DETAILS

1. X

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
05 40 00.A8	6" CFMF - SEE STRUCTURAL DRAWINGS
05 40 00.A14	VERTICAL SUB-GIRT - 3/4"
06 10 00.A1	WOOD BLOCKING
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 21 00.A1	RIGID MINERAL WOOL INSULATION
07 42 13.A6	VERTICAL METAL PANEL - COLOR B
07 54 23.A3	SINGLE MEMBRANE ROOFING
07 62 00.C1	LEADER BOX
07 62 00.D1	6" X 6" DOWNSPOUT
09 21 16.M1	GYPSUM BOARD
10 82 14.B1	RTU MOUNTED EQUIPMENT SCREEN



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
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DRAWING TITLE:

ROOF DETAILS

JANUARY 30, 2020

DRAWN BY: **XXX** CHECKED BY: **XXX**

#18237

A530

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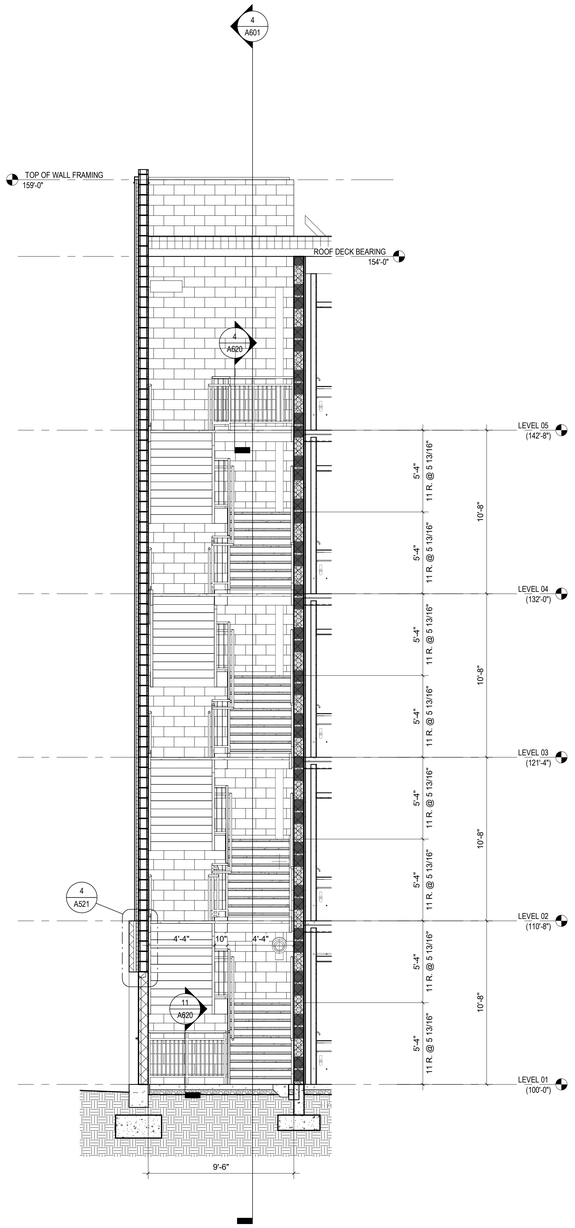
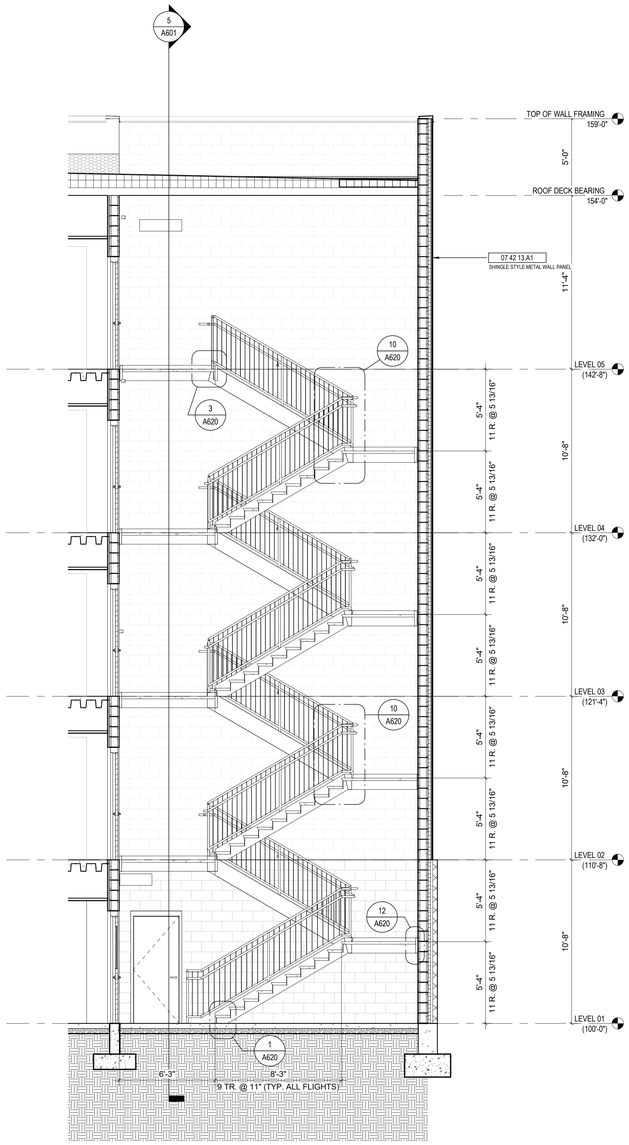
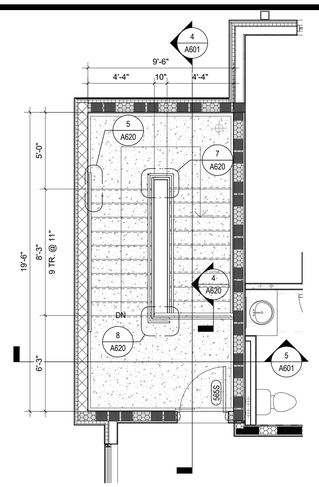


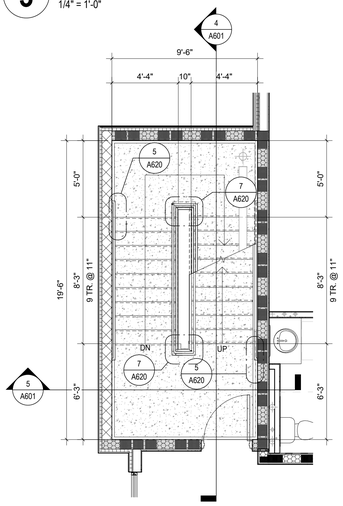
5 SECTION STAIR #1, TRANSVERSE
1/4" = 1'-0"
REF: 1 / A104



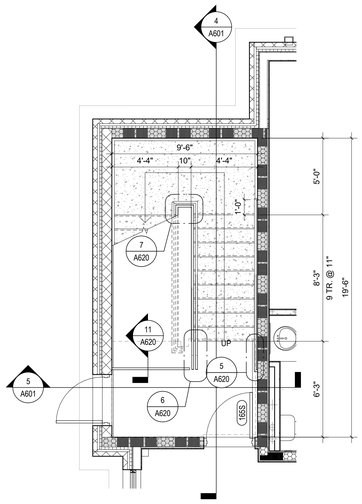
4 SECTION STAIR #1, LONGITUDINAL
1/4" = 1'-0"
REF: 1 / A104



3 PLAN ENLARGED STAIR #1 PLAN - LEVEL 05
1/4" = 1'-0"



2 PLAN ENLARGED STAIR #1 PLAN - LEVEL 02, 03, 04
1/4" = 1'-0"

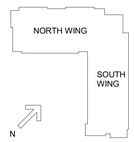


1 PLAN ENLARGED STAIR #1 PLAN - LEVEL 01
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

STAIR GENERAL NOTES

1. TBD



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
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FAX: (859) 957-1280

DRAWING TITLE:

STAIR #1 PLANS & SECTIONS

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

CURTIS J. MOODY — REGISTERED NO. 4396 — COMMONWEALTH OF KENTUCKY — ARCHITECT

A601

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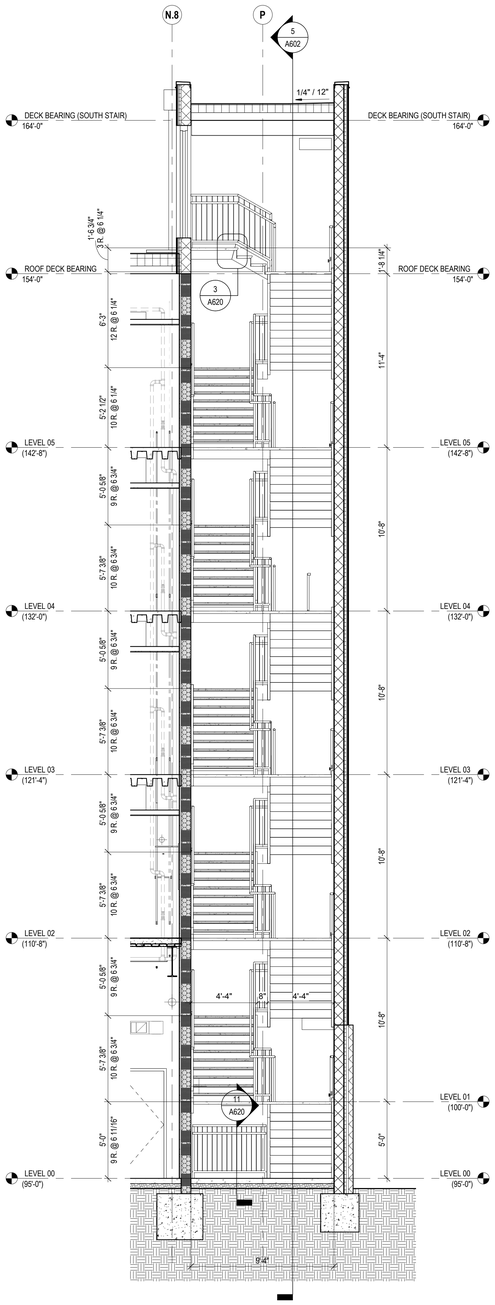
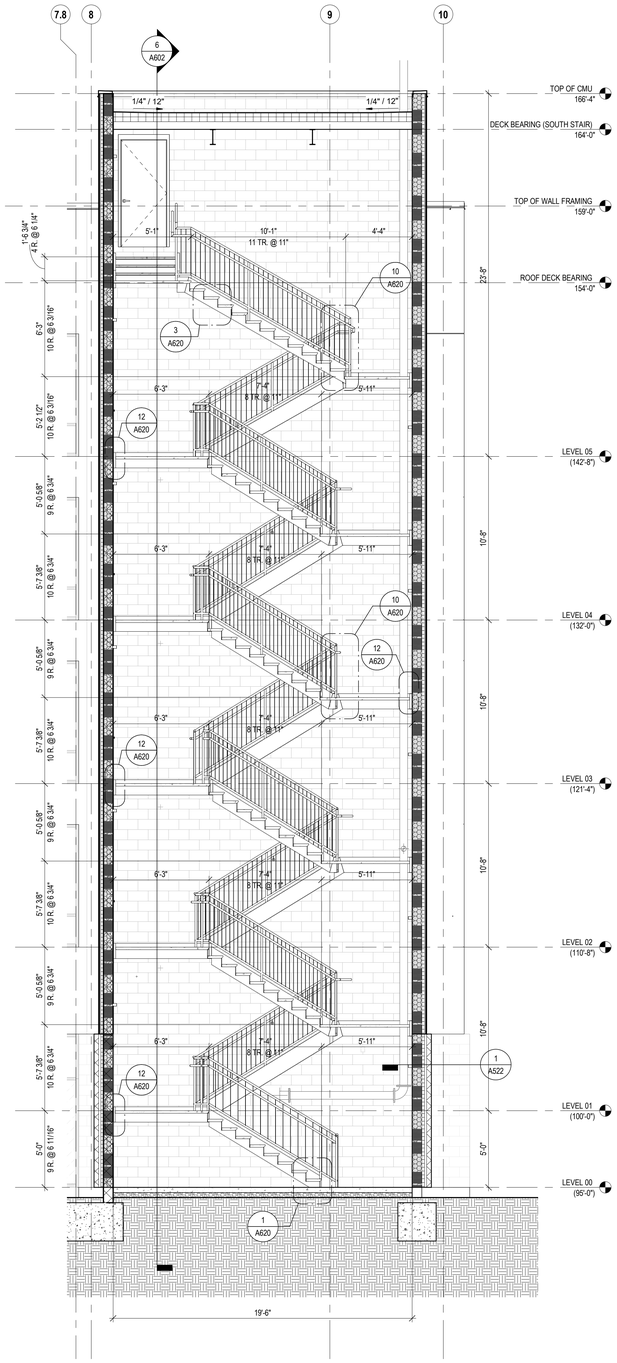
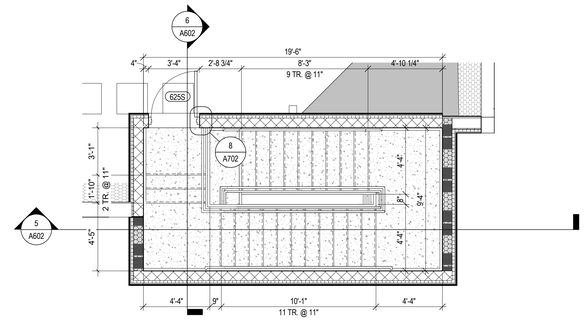


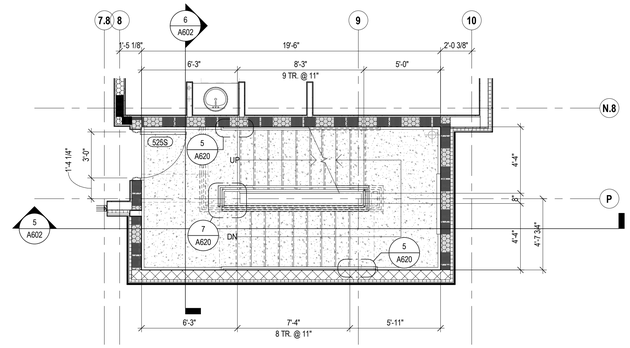
6 **SECTION** STAIR #2, TRANSVERSE
1/4" = 1'-0"
REF: 1 / A102



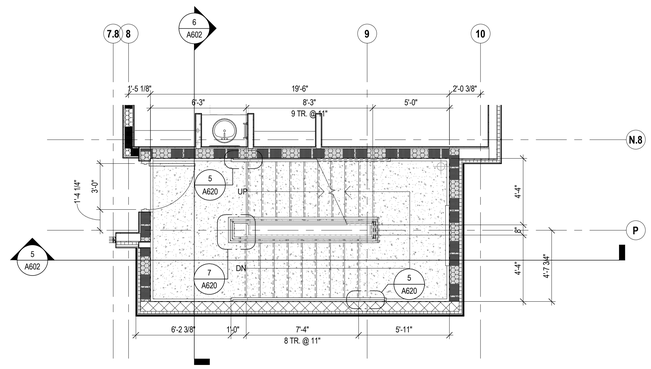
5 **SECTION** STAIR #2, LONGITUDINAL
1/4" = 1'-0"
REF: 1 / A121



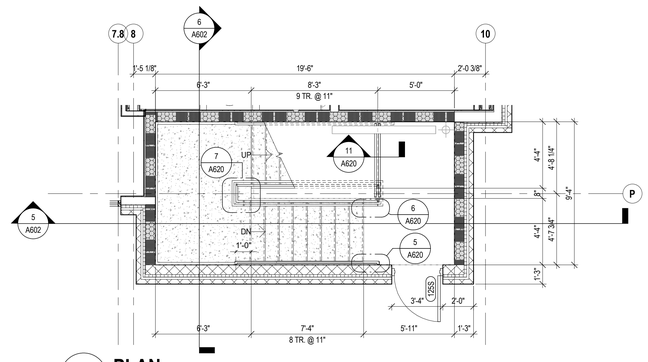
4 **PLAN** ENLARGED STAIR #2 PLAN - ROOF
1/4" = 1'-0"



3 **PLAN** ENLARGED STAIR #2 PLAN - LEVEL 05
1/4" = 1'-0"



2 **PLAN** ENLARGED STAIR #2 PLAN - LEVELS 02, 03, 04
1/4" = 1'-0"

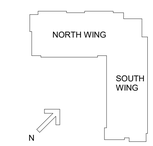


1 **PLAN** ENLARGED STAIR #2 PLAN - LEVEL 00
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

STAIR GENERAL NOTES

1. TBD



#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
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FAX: (859) 957-1280

DRAWING TITLE:

STAIR #2 PLANS & SECTIONS

CURTIS J. MOODY
REGISTERED
NO. 4096
COMMONWEALTH OF KENTUCKY
ARCHITECT

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A602

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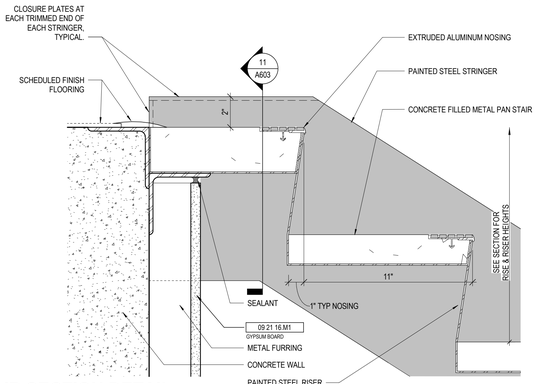
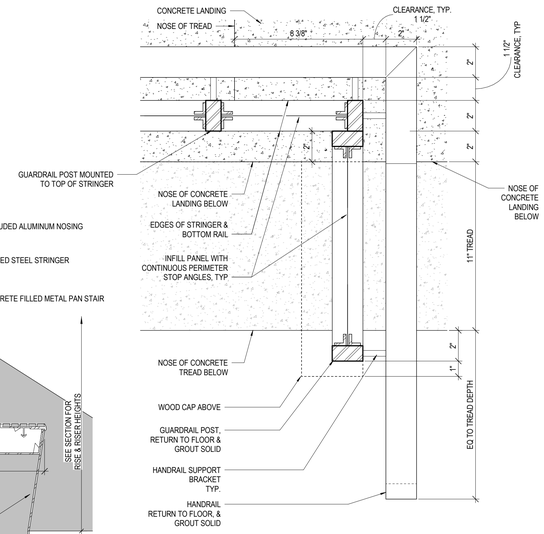
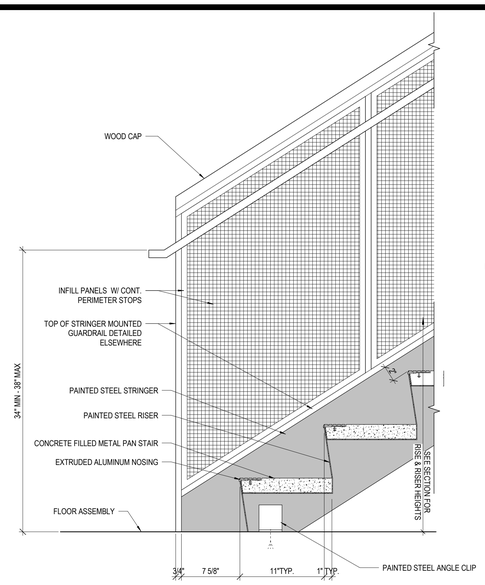


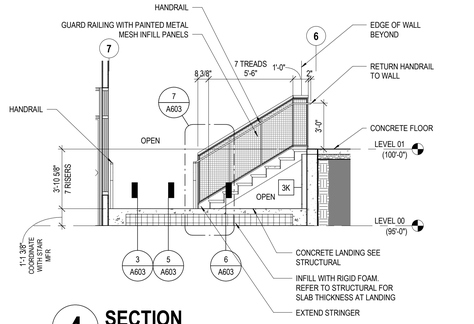
13 STAIR SECTION DETAIL
3" = 1'-0"



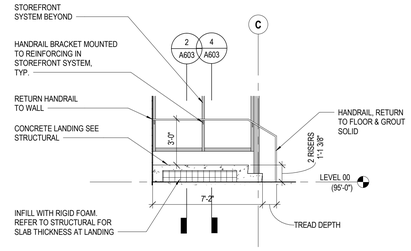
10 STAIR LANDING PLAN DETAIL
3" = 1'-0"



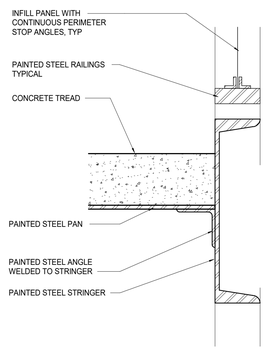
7 SECTION BOTTOM LANDING
1 1/2" = 1'-0"



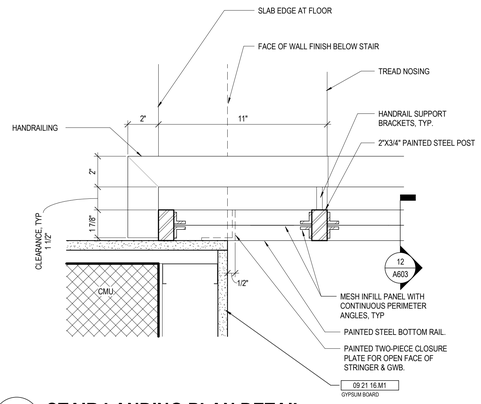
4 SECTION
1/4" = 1'-0"



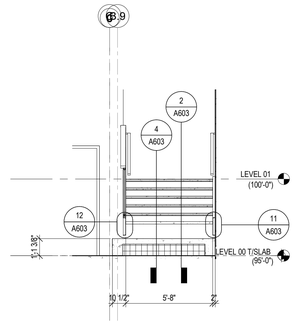
3 SECTION
1/4" = 1'-0"



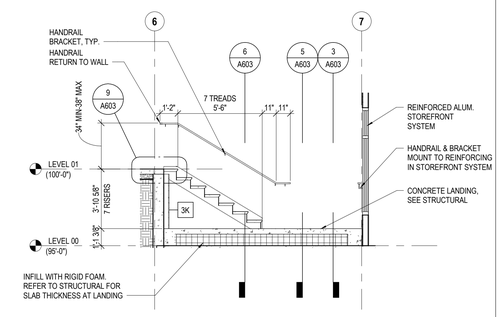
12 STAIR STRINGER SECTION DETAIL
3" = 1'-0"



9 STAIR LANDING PLAN DETAIL
3" = 1'-0"



6 SECTION
1/4" = 1'-0"



2 SECTION
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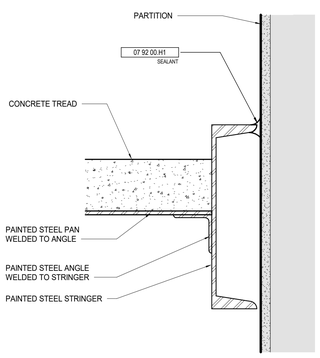
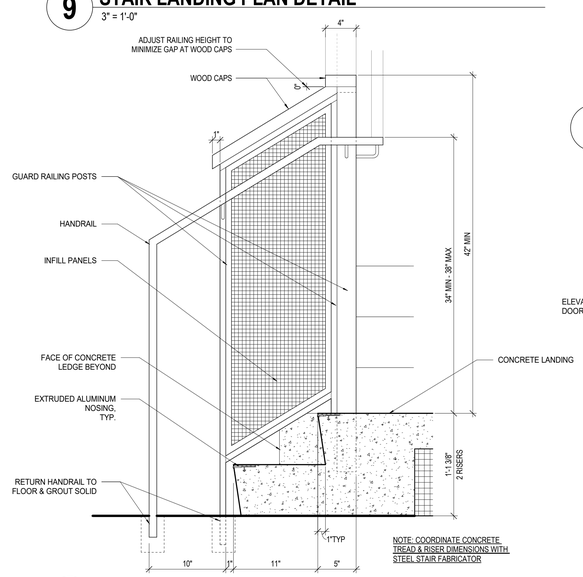
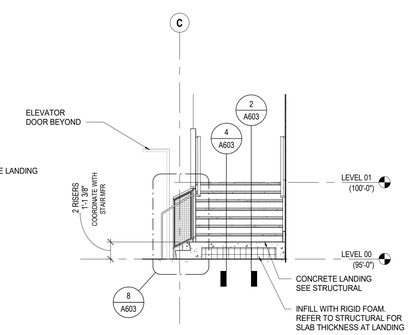


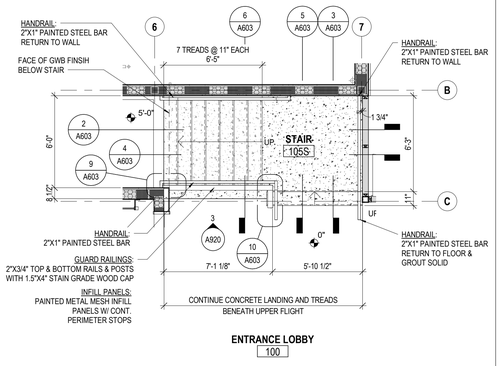
11 STAIR STRINGER SECTION DETAIL
3" = 1'-0"



8 STAIR BASE DETAIL
1 1/2" = 1'-0"



5 SECTION
1/4" = 1'-0"



ENTRANCE LOBBY
100

1 LEVEL 0 - LOBBY STAIR
1/4" = 1'-0"

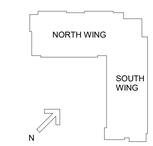
PRINT DATE: 2/6/2020 5:12:52 PM
FILE INFO: B:M:360\(NKU) - New Residence Hall\NKU-10976-01_ARCH.rvt

STATE OF KENTUCKY APPROVAL

RAILING DETAIL GENERAL NOTES

1. ALL RAILING TO BE SPACED SO THAT A 4" SPHERE CANNOT PASS BETWEEN.

KEY VALUE	KEYNOTE TEXT
07 92 00.H1	SEALANT
09 21 16.M1	GYPSUM BOARD



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
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LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
LOBBY STAIR PLANS, SECTIONS & DETAILS

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: Checker

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A603

BID & PERMIT SUBMITTAL

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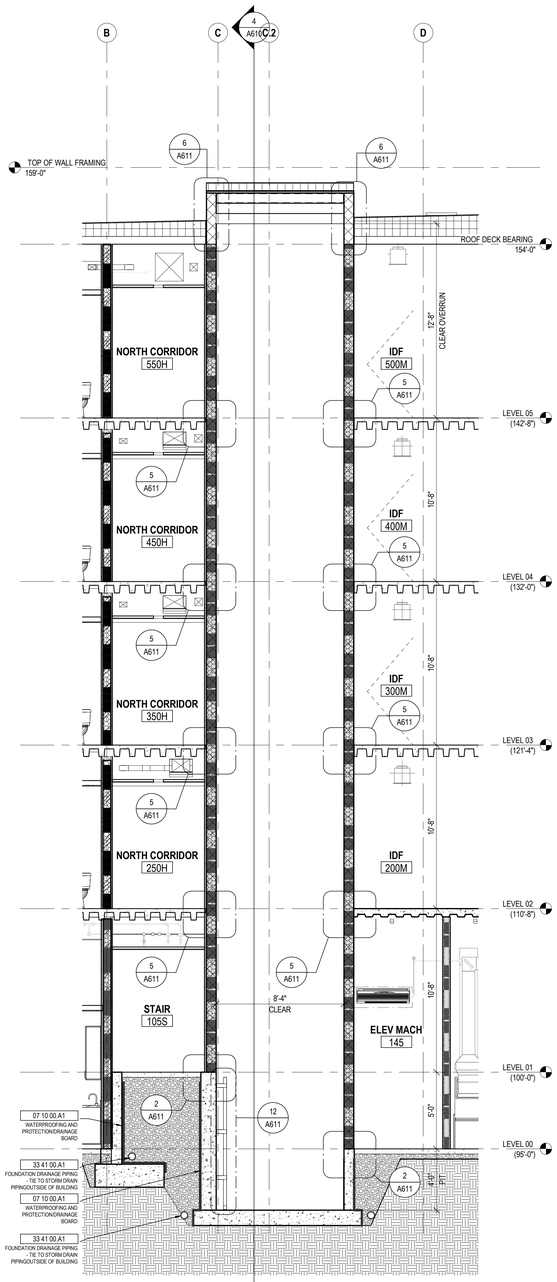
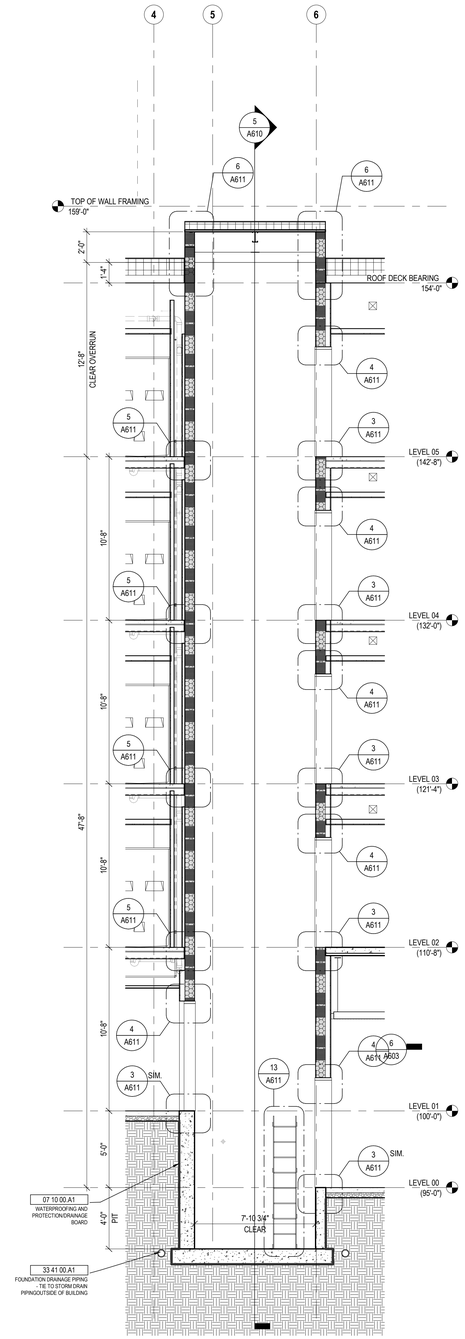
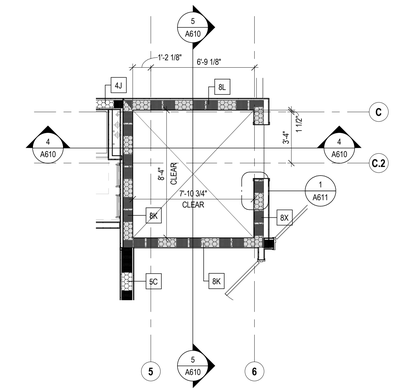


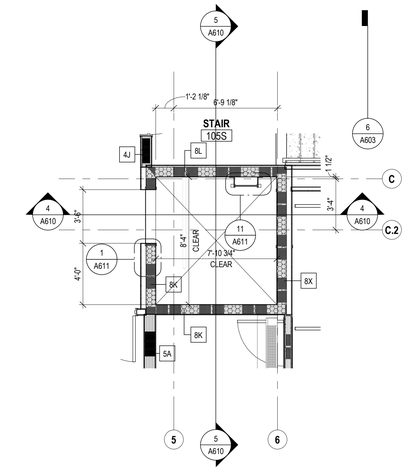
5 **SECTION** ELEVATOR SECTION 2
1/4" = 1'-0" REF: 3 / A223



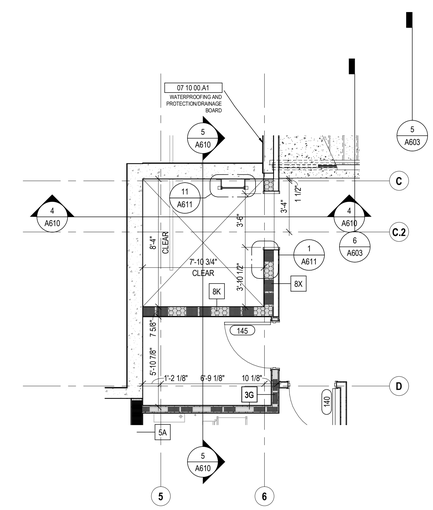
4 **SECTION** ELEVATOR SECTION
1/4" = 1'-0" REF: 4 / A223



3 **PLAN** LEVEL 02 - 05 - ELEVATOR
1/4" = 1'-0"



2 **PLAN** LEVEL 01 - ELEVATOR
1/4" = 1'-0"

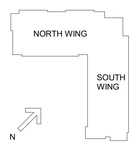


1 **PLAN** LEVEL 00 - ELEVATOR
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

ELEVATOR GENERAL NOTES

1. TBD



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NKU NORTHERN KENTUCKY UNIVERSITY

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KENTON DRIVE & CARROLL DRIVE
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FOR
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FAX: (859) 957-1280

DRAWING TITLE:

ELEVATOR PLANS & SECTIONS

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A610

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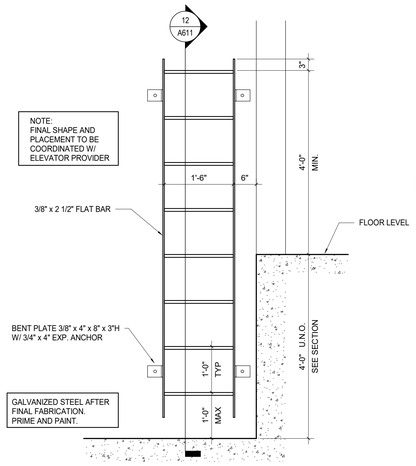
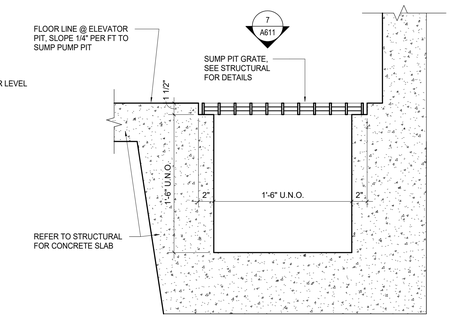
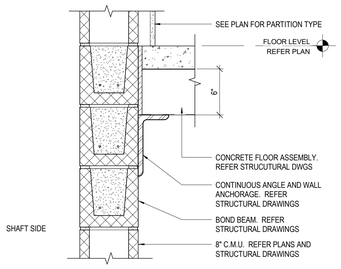


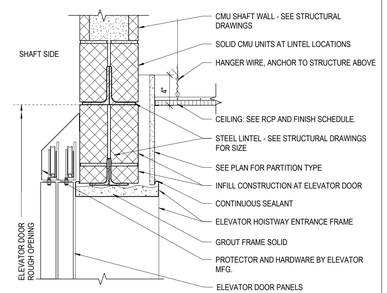
13 DETAIL ELEVATOR PIT LADDER - ELEVATION
3/4" = 1'-0" REF: 4 / A610



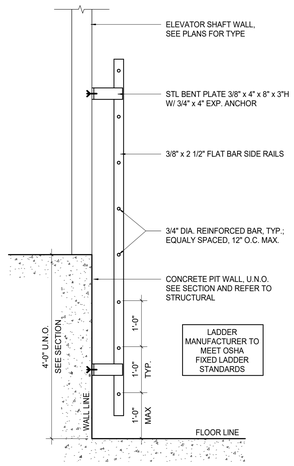
8 DETAIL ELEVATOR SUMP PUMP PIT - SECTION
1 1/2" = 1'-0" REF: 7 / A611



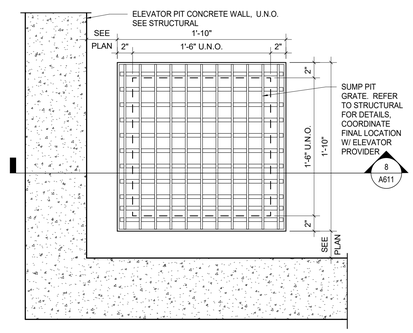
5 DETAIL ELEVATOR SHAFT DETAIL AT FLOOR
1 1/2" = 1'-0" REF: 4 / A610



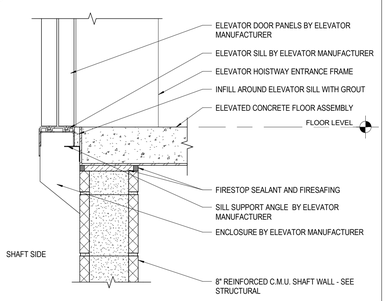
4 DETAIL ELEVATOR DOOR HEAD
1 1/2" = 1'-0" REF: 4 / A610



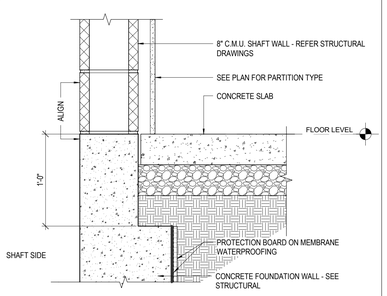
12 DETAIL ELEVATOR PIT LADDER - SECTION
3/4" = 1'-0" REF: 5 / A610



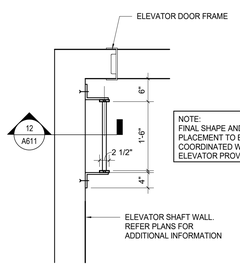
7 DETAIL ELEVATOR SUMP PIT - PLAN
1 1/2" = 1'-0" REF: 8 / A611



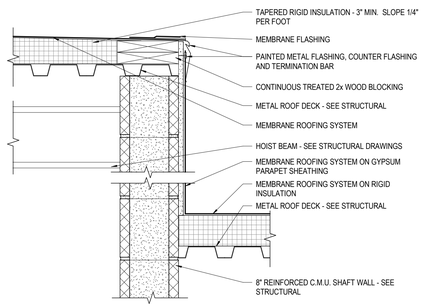
3 DETAIL ELEVATOR DOOR SILL
1 1/2" = 1'-0" REF: 4 / A610



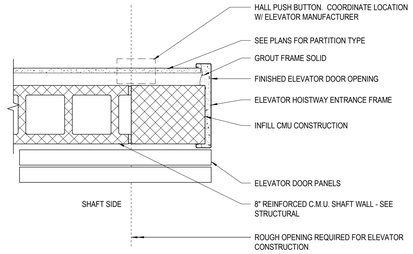
2 DETAIL ELEVATOR SHAFT AT GRADE
1 1/2" = 1'-0" REF: 5 / A610



11 DETAIL ELEV. PIT LADDER - PLAN
3/4" = 1'-0" REF: 1 / A610



6 DETAIL TOP OF SHAFT
1 1/2" = 1'-0" REF: 4 / A610



1 DETAIL ELEVATOR DOOR JAMB, MASONRY
1 1/2" = 1'-0" REF: 1 / A610

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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FAX: (859) 957-1280

DRAWING TITLE:

ELEVATOR DETAILS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

A611

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:13:19 PM
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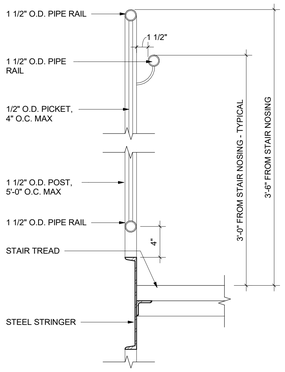
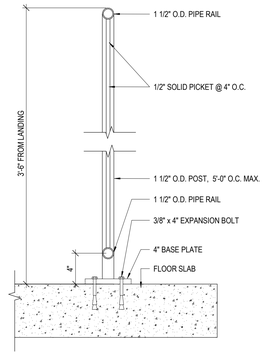
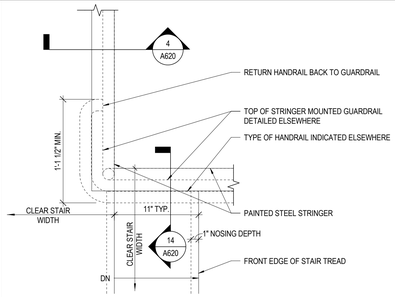


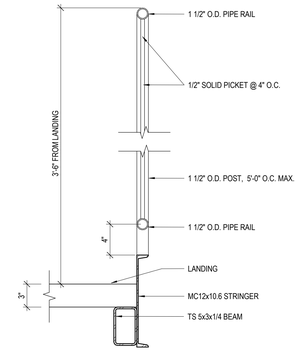
14 DETAIL GUARDRAIL & HANDRAIL @ STAIR
1 1/2" = 1'-0" REF: 8 / A620



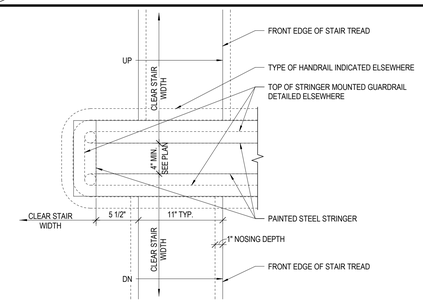
11 DETAIL GUARDRAIL @ SLAB
1 1/2" = 1'-0" REF: 1 / A601



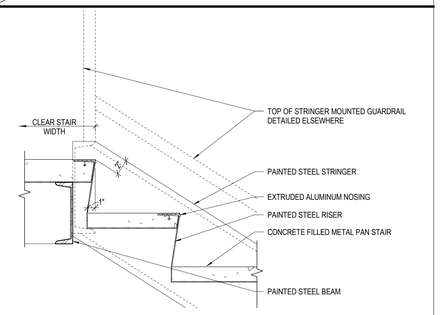
8 DETAIL PLAN AT TOP LANDING
1 1/2" = 1'-0" REF: 3 / A601



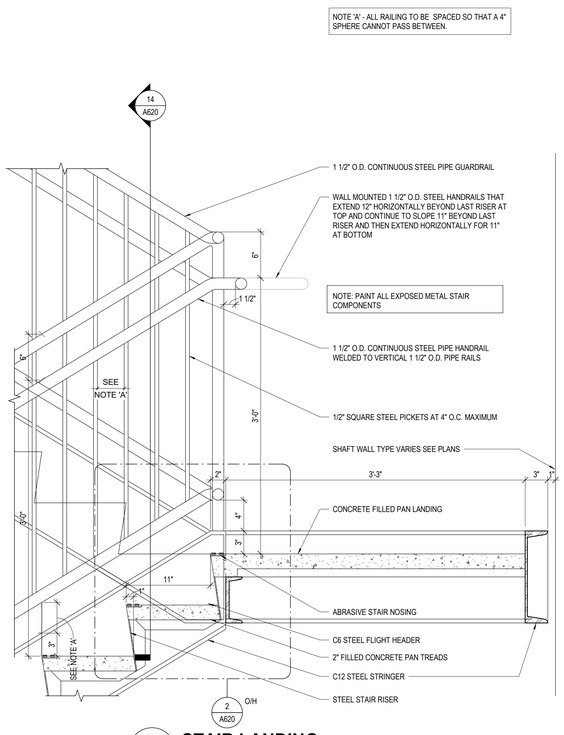
4 DETAIL GUARDRAIL @ TOP LANDING
1 1/2" = 1'-0" REF: 3 / A601



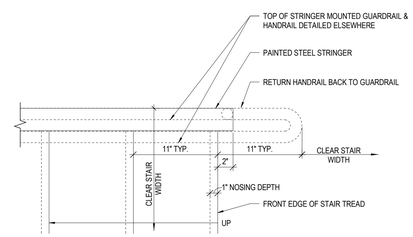
7 DETAIL PLAN AT MIDDLE LANDING - SYMETRICAL
1 1/2" = 1'-0" REF: 1 / A601



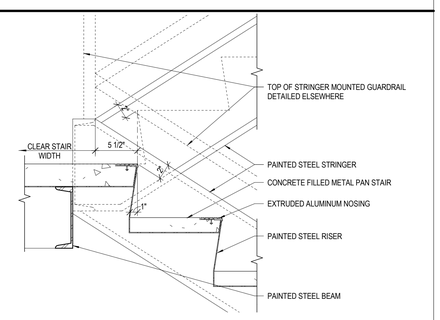
3 DETAIL TOP LANDING
1 1/2" = 1'-0" REF: 4 / A601



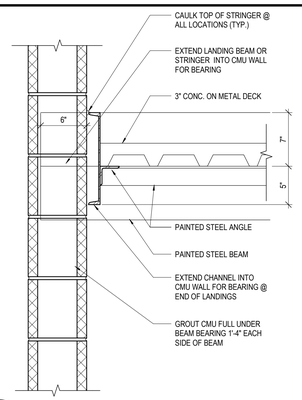
10 STAIR LANDING
1 1/2" = 1'-0"



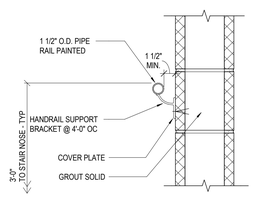
6 DETAIL PLAN AT BOTTOM OF STAIR
1 1/2" = 1'-0" REF: 1 / A601



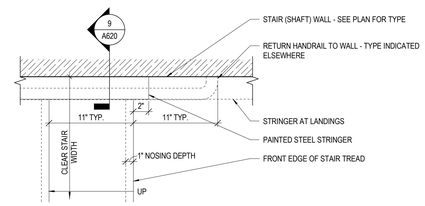
2 DETAIL MIDDLE LANDING - SYMETRICAL
1 1/2" = 1'-0" REF: 10 / A620



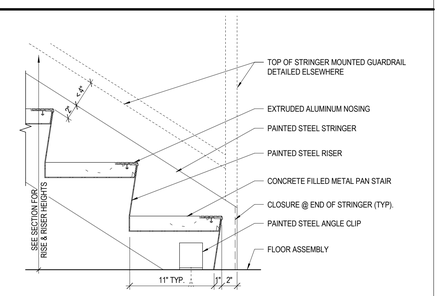
12 DETAIL LANDING
1 1/2" = 1'-0" REF: 4 / A601



9 DETAIL HANDRAIL MOUNTING
1 1/2" = 1'-0" REF: 5 / A620



5 DETAIL HANDRAIL AT BOTTOM OF STAIR AT WALL
1 1/2" = 1'-0" REF: 1 / A601

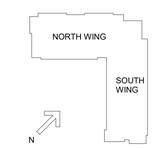


1 DETAIL BOTTOM LANDING
1 1/2" = 1'-0" REF: 4 / A601

STATE OF KENTUCKY APPROVAL

RAILING DETAIL GENERAL NOTES

1. ALL RAILING TO BE SPACED SO THAT A 4" SPHERE CANNOT PASS BETWEEN.



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FOR
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DRAWING TITLE:

RAILING DETAILS

CURTIS J. MOODY REGISTERED NO. 4096 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: XXX CHECKED BY: XXX

#18237

A620

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:13:15 PM
FILE INFO: B:M:300 (NKU) - New Residence Hall(NKU-19976-01_ARCH.rvt

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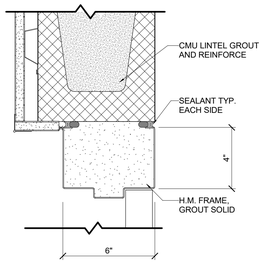
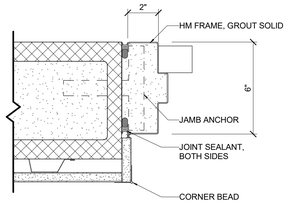
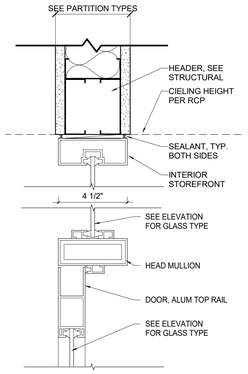


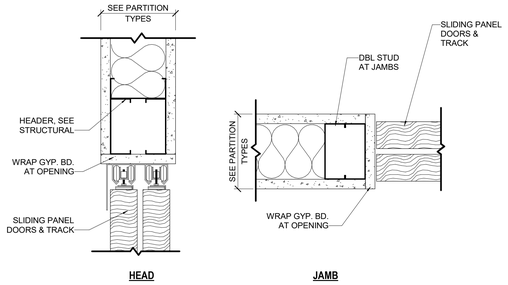
11 DETAIL HM HEAD @ CMU WALL
3" = 1'-0"



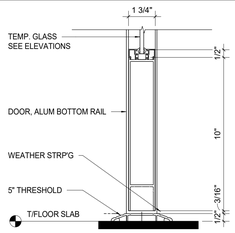
6 DETAIL HM JAMB @ CMU WALL
3" = 1'-0"



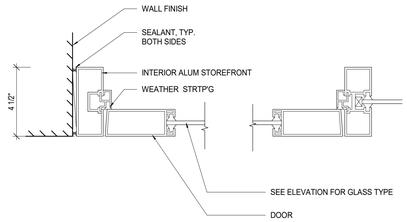
10 DETAIL ALUM SF DOOR HEAD
3" = 1'-0"



5 DETAIL SLIDING PANEL DOOR
3" = 1'-0"



9 DETAIL ALUM SF DOOR THRESHOLD
3" = 1'-0"



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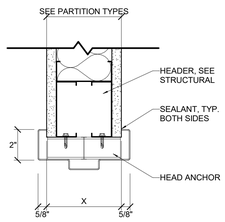
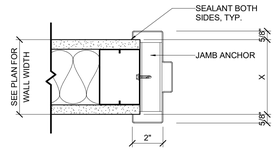
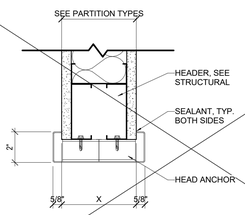
3" = 1'-0"



8 DETAIL HM HEAD @ METAL STUD PARTITION
3" = 1'-0"

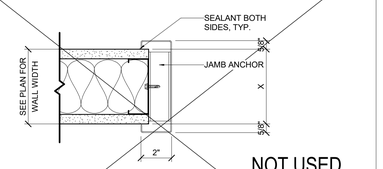


3 DETAIL HM JAMB @ METAL STUD PARTITION
3" = 1'-0"



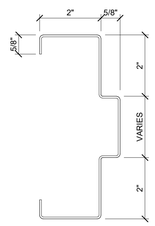
NOT USED

7 DETAIL CASED OPG HEAD @ METAL STUD PARTITION
3" = 1'-0"



NOT USED

2 DETAIL CASED OPG JAMB @ METAL STUD PARTITION
3" = 1'-0"



1 DETAIL TYP DOOR FRAME PROFILE
6" = 1'-0"

DOOR SCHEDULE - COMMON AREAS

DOOR						FRAME				DETAILS - SHEET A701 U.N.O.			
NUMBER	ROOM NAME	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV	FIRE RATING	HW SET	HEAD	JAMB	SILL	REMARKS
LEVEL 00													
100A	VESTIBULE	6'-0"	7'-0"	ALUM	BB	ALUM	01 / A721	--	2.0	13/A523 SIM., 2/A702	3/A702	1/A702	1, 9
100B	VESTIBULE	6'-0"	7'-0"	ALUM	BB	ALUM	1 / A720	--	8.0	10	4	9	1, 3, 9
101	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	7 / A720	--	20.0	10	4	9	1
101A	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	9 / A720	--	12.0	10	4	9	1
101B	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	9 / A720	--	12.0	10	4	9	1
101C	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	9 / A720	--	12.0	10	4	9	1
101D	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	6 / A720	--	12.0	10	4	9	1
102	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	5/ A720	--	19.0	10	4	9	1
105	RES. MGR. OFFICE	3'-0"	7'-0"	ALUM	B	ALUM	2 / A720	--	16.0	10	4	9	1
106	CLOSET	3'-0"	7'-0"	WD	A	HM	1	--	21.0	8	3		
111	LAUNDRY	3'-0"	7'-0"	ALUM	B	ALUM	10 / A720	--	10.0	10	4	9	1
114	RESTROOM	3'-0"	7'-0"	WD	A	HM	1	--	13.0	8	3		
116	FIRE PUMP	3'-0"	7'-0"	HM	A	HM	2	--	7.0	1/A731	2/A731	5/A702	
120A	COMMON AREA	3'-0"	7'-0"	ALUM	B	ALUM	04 / A721	--	1.0	2/A702, 17/A731	4/A702, 10/A702, 6/A731	1/A702	1, 3
122A	MECHANICAL	6'-0"	7'-0"	HM	AA	HM	4	--	6.0	1/A731	2/A731	5/A702	
122B	MECHANICAL	3'-0"	7'-0"	HM	A	HM	1	--	25.0	8	3		
122C	ELEC	3'-0"	7'-0"	HM	A	HM	1	--	5.0	8	3		
124E	ELEC	3'-0"	7'-0"	HM	A	HM	2	--	5.0	1/A731	2/A731	5/A702	
125S	STAIR 2	3'-0"	7'-0"	HM	A	HM	2	--	3.0	3/A731	4/A731	5/A702	3
126	STORAGE	3'-0"	7'-0"	HM	A	HM	1	--	25.0	8	3		
126F	STORAGE	6'-0"	7'-0"	HM	AA	HM	3	--	25.0	8	3		
130A	MECHANICAL	3'-0"	7'-0"	HM	A	HM	2	--	7.0	1/A731	2/A731	5/A702	
130B	MECHANICAL	3'-0"	7'-0"	HM	A	HM	1	--	25.0	8	3		
135A	VESTIBULE	6'-0"	7'-0"	ALUM	BB	ALUM	05 / A721	--	2.0	2/A702, 10/A523	6/A702, 10/A702	1/A702	1, 9
135B	VESTIBULE	6'-0"	7'-0"	ALUM	BB	ALUM	3 / A720	--	8.0	10	4	9	1, 3, 9
140	MECH/ELEC	3'-0"	7'-0"	HM	A	HM	1	--	25.0	8	3		
140A	MDF	3'-0"	7'-0"	HM	A	HM	2	60	27.0	8	3		
145	ELEV MACH	3'-0"	7'-0"	HM	A	HM	1	90	25.0	8	3		
21821	SITTING AREA	0"	0"										
21822	COMMION AREA	0"	0"										
LEVEL 01													
105S	STAIR	3'-0"	7'-0"	HM	D	HM	1	60	9.0	8	3		3
140B	CUSTODIAL	3'-0"	7'-0"	HM	A	HM	1	--	27.0	8	3		
165S	STAIR 1	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
165SE	STAIR 1	3'-0"	7'-0"	HM	A	HM	2	--	3.0	3/A731	4/A731	5/A702	3
LEVEL 02													
		3'-6"	7'-0"										
200J	CUSTODIAL	3'-0"	7'-0"	HM	A	HM	1	45	26.0	8	3		
200K	MECH/ELEC	3'-0"	7'-0"	HM	A	HM	1	45	25.0	8	3		
200M	IDF	3'-0"	7'-0"	HM	A	HM	1	--	27.0	8	3		
204	STUDY	3'-0"	6'-11 3/4"	ALUM	B	ALUM	11 / A720	--	19.0	10	4	9	1
225S	STAIR 2	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
265S	STAIR 1	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
LEVEL 03													
300J	CUSTODIAL	3'-0"	7'-0"	HM	A	HM	1	45	26.0	8	3		
300K	MECH/ELEC	3'-0"	7'-0"	HM	A	HM	1	45	25.0	8	3		
300M	IDF	3'-0"	7'-0"	HM	A	HM	1	--	27.0	8	3		
304	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	11 / A720	--	19.0	10	4	9	1
325S	STAIR 2	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
365S	STAIR 1	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
LEVEL 04													
400J	CUSTODIAL	3'-0"	7'-0"	HM	A	HM	1	45	26.0	8	3		
400K	MECH/ELEC	3'-0"	7'-0"	HM	A	HM	1	45	25.0	8	3		
400M	IDF	3'-0"	7'-0"	HM	A	HM	1	--	27.0	8	3		
404	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	11 / A720	--	19.0	10	4	9	1
425S	STAIR 2	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
465S	STAIR 1	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
LEVEL 05													
500J	CUSTODIAL	3'-0"	7'-0"	HM	A	HM	1	45	26.0	8	3		
500K	MECH/ELEC	3'-0"	7'-0"	HM	A	HM	1	45	25.0	8	3		
500M	IDF	3'-0"	7'-0"	HM	A	HM	1	--	27.0	8	3		
504	STUDY	3'-0"	7'-0"	ALUM	B	ALUM	11 / A720	--	19.0	10	4	9	1
525S	STAIR 2	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
565S	STAIR 1	3'-0"	7'-0"	HM	D	HM	2	90	9.0	11	6		3
ROOF DECK BEARING													
625S		3'-0"	7'-0"	HM	A	HM	2	--	5.0	9/A702	8/A702	7/A702	

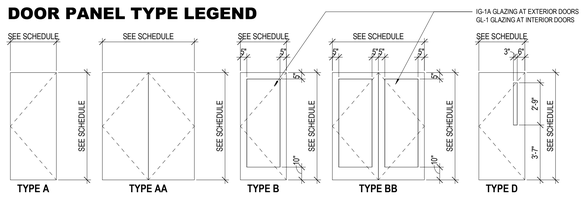
DOOR SCHEDULE - UNITS

DOOR		DOOR					FRAME				DETAILS - SHEET A701			
DOOR NO.	LOCATION	PR	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV	FIRE RATING	HW SET	HEAD	JAMB	SILL	REMARKS
A	ENTRY		3'-0"	7'-0"	WD	A	HM	1		17.0	8	3		3, 8
A1	ACCESSIBLE ENTRY		3'-0"	7'-0"	WD	A	HM	1	20	17.0	8	3		3, 8
B	BEDROOM		2'-10"	7'-0"	WD	A	HM	1	--	18.0	8	3		5, 6
B1	BEDROOM - ADA		3'-0"	7'-0"	WD	A	HM	1	--	18.0	8	3		5, 6
C	BATHROOM		2'-10"	7'-0"	WD	A	HM	1	--	15.0	8	3		6
C1	BATHROOM - ADA		3'-0"	7'-0"	WD	A	HM	1	--	15.0	8	3		6
F	MECHANICAL		3'-0"	7'-0"	HM	A	HM	1		24.0	8	3		

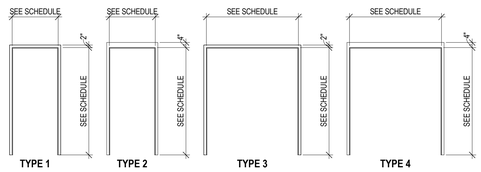
DOOR SCHEDULE - RM APARTMENT

DOOR		DOOR					FRAME				DETAILS - SHEET A701			
DOOR NO.	LOCATION	PR	WIDTH	HEIGHT	MATERIAL	ELEV	MATERIAL	ELEV	FIRE RATING	HW SET	HEAD	JAMB	SILL	REMARKS
154	RESIDENT MANAGER APT. ENTRY		3'-0"	7'-0"	HM	A	HM	2	--	4.0	8	3		3
B1	BEDROOM - ADA		3'-0"	7'-0"	WD	A	HM	1	--	18.0	8	3		
C1	BATHROOM - ADA		3'-0"	7'-0"	WD	A	HM	1	--	15.0	8	3		
D	CLOSET	Yes	5'-0"	7'-0"	WD	A	--	--	--	28.0	5	5		7
E	CLOSET W/D	Yes	5'-0"	7'-0"	WD	AA	HM	3	--	11.0	8	3		
F	MECHANICAL		3'-0"	7'-0"	HM	A	HM	1		24.0	8	3		

DOOR PANEL TYPE LEGEND



DOOR FRAME TYPE LEGEND



DOOR GENERAL NOTES

A. REFER TO HARDWARE SPECIFICATION FOR DOOR HARDWARE SCHEDULE.
B. UNDERCUT ALL UNIT ENTRY DOORS AS REQUIRED TO COORDINATE WITH FLOOR FINISH AND STILL MAINTAIN REQUIRED FIRE RATING.
C. UNDERCUT ALL UNIT BEDROOM DOORS BY 1 1/4", REFER TO SPECIFICATIONS.
D. ALL GLAZING IS SAFETY GLAZING U.N.O. ALL FIRE RATED CONSTRUCTION IS FIRE-RATED GLAZING U.N.O.
E. ALL HM DOORS AND FRAMES TO BE PAINTED - REFER TO FINISH SCHEDULE.

REMARK NOTES

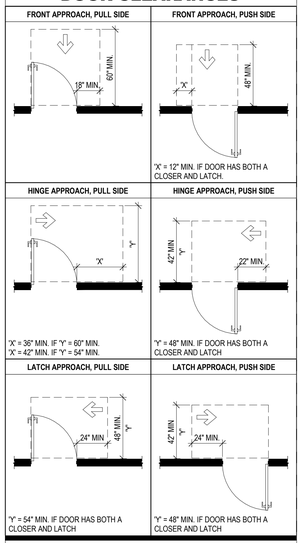
1. REFER TO STOREFRONT ELEVATIONS FOR DIMENSIONS AND INFORMATION.
2. CASED OPENING.
3. PROVIDE CONTROLLED ACCESS, COORD. W/ ELECTRICAL DRAWINGS.
4. UNIT MECHANICAL ROOM DOORS TYPICALLY DO NOT HAVE A FIRE RATING. HOWEVER, WHERE LOCATED IN A RATED WALL, PROVIDE A 20 MIN. FIRE RATING FOR DOOR (DOORS 203M, 215M, 303M, 315M, 403M, 415M, 503M & 515M. REFER TO PLANS TO VERIFY LOCATIONS.)
5. UNDERCUT DOOR OR PROVIDE CUSTOM DOOR HEIGHT TO PROVIDE A 1 1/4" AIR GAP UNDER DOOR FOR PROPER VENTILATION.
6. DEDUCT ALTERNATE: PROVIDE 1 3/4" COMMERCIAL, PAINT GRADE HOLLOW CORE WOOD DOORS IN LIEU OF SOLID CORE DOORS. REFER TO SPECIFICATIONS FOR MORE DETAILS.
7. PROVIDE WOOD BYPASS DOOR FOR CLOSET, PANEL TO BE FLUSH PANEL TO MATCH SCWD DOORS IN THE REST OF THE UNIT.
8. DOORS 158, 161 AND 162 TO BE 90 MINUTED RATED.
9. PROVIE AUTO OPERATOR, COORD. W/ ELECTRICAL DRAWINGS.

ABBREVIATIONS

PR:	PAIR OF DOORS
UPR:	UNEVEN PAIR OF DOORS
MAT:	MATERIAL
WD:	WOOD (SOLID CORE)
ALUM:	ALUMINUM
GL:	GLASS
ST:	STEEL
FIN:	FINISH
PT:	PAINTED
STN:	STAINED
HM:	HOLLOW METAL
PREFIN:	PREFINISHED
FF:	FACTORY FINISH

STATE OF KENTUCKY APPROVAL

DOOR CLEARANCES



GLAZING TYPES

GL-1 INTERIOR GLAZING (CLEAR TEMPERED)

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

DOOR SCHEDULE

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: Checker

#18237

A701

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:13:31 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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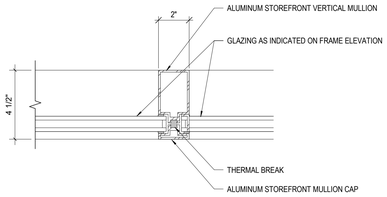
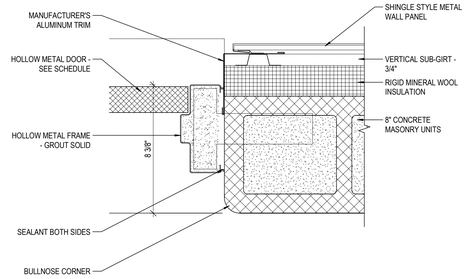
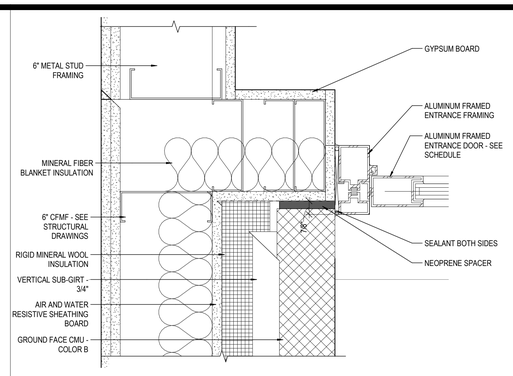


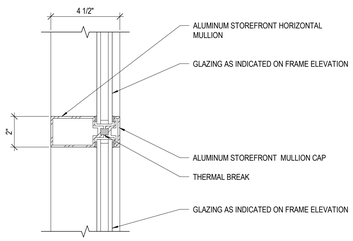
12 DETAIL STOREFRONT VERTICAL MULLION
3" = 1'-0"



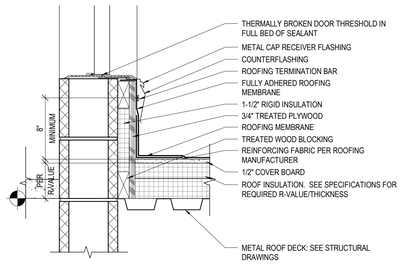
8 DETAIL JAMB - HM AT SHINGLES ON CMU
3" = 1'-0" REF: 4 / A602



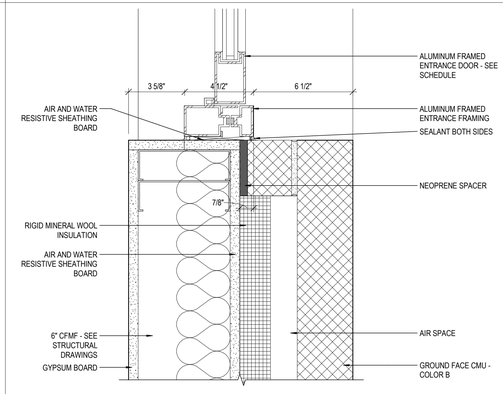
4 DETAIL SF @ CMU ON CFMF FLUSH
3" = 1'-0"



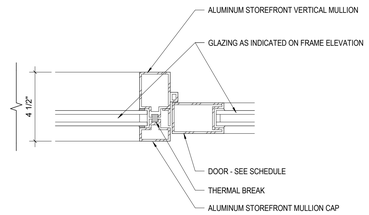
11 DETAIL STOREFRONT HORIZONTAL MULLION
3" = 1'-0"



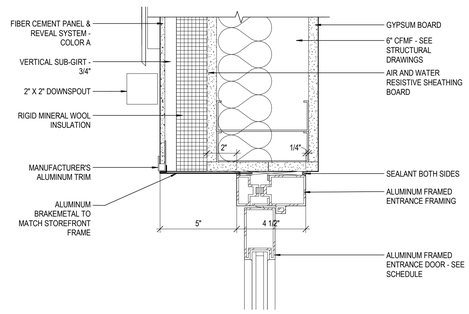
7 DETAIL ROOFING TERMINATION @ DOOR THRESHOLD
1 1/2" = 1'-0"



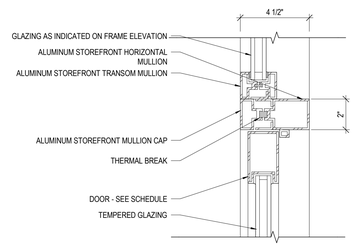
3 DETAIL JAMB, STOREFRONT @ CMU W/ CFMF
3" = 1'-0"



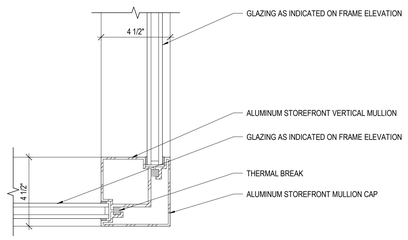
10 DETAIL STOREFRONT JAMB AT SIDELITE
3" = 1'-0"



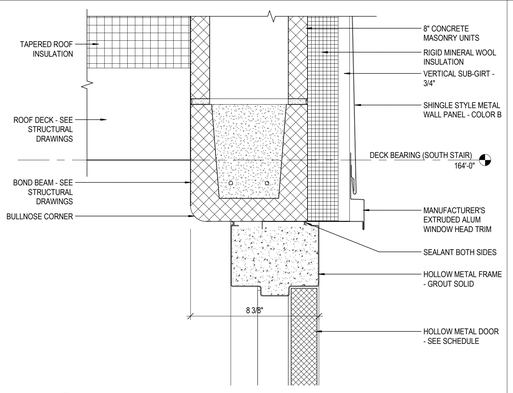
6 DETAIL JAMB @ FIBER CEMENT ON CFMF
3" = 1'-0" REF: 1 / A001



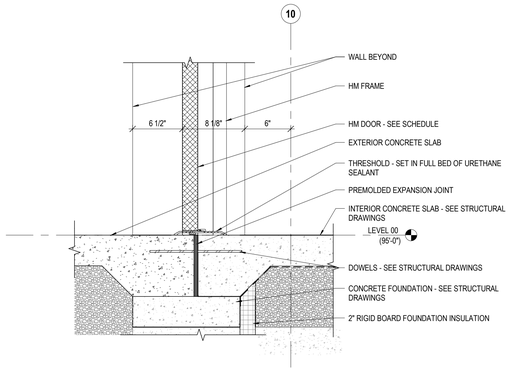
2 DETAIL MULLION @ TRANSOM
3" = 1'-0"



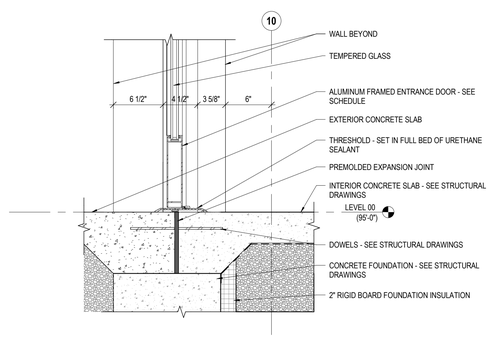
13 DETAIL STOREFRONT CORNER MULLION
3" = 1'-0"



9 DETAIL HEAD - HM AT SHINGLES ON CMU
3" = 1'-0"



5 SILL @ HM
1 1/2" = 1'-0"

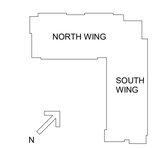


1 DETAIL SILL @ STOREFRONT
1 1/2" = 1'-0"

STATE OF KENTUCKY APPROVAL

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
04 00 00.D4	8" CONCRETE MASONRY UNITS
04 00 00.J1B	GROUND FACE CMU - COLOR B
04 00 00.W8	BOND BEAM - SEE STRUCTURAL DRAWINGS
04 00 00.X11	BULLNOSE CORNER
04 00 00.X12	NEOPRENE SPACER
04 00 00.Z1	AIR SPACE
05 30 00.A1	ROOF DECK - SEE STRUCTURAL DRAWINGS
05 40 00.A8	6" CFMF - SEE STRUCTURAL DRAWINGS
06 16 00.A1	AIR AND WATER RESISTIVE SHEATHING BOARD
07 21 00.A1	RIGID MINERAL WOOL INSULATION
07 21 00.A2	MINERAL FIBER BLANKET INSULATION
07 42 13.A1	SHINGLE STYLE METAL WALL PANEL
07 42 13.A3	SHINGLE STYLE METAL WALL PANEL - COLOR B
07 42 13.B1	MANUFACTURER'S EXTRUDED ALUM WINDOW HEAD TRIM
07 42 13.B6	MANUFACTURER'S ALUMINUM TRIM
07 42 13.D3	VERTICAL SUB-GIRT - 3/4"
07 46 46.A3	FIBER CEMENT PANEL & REVEAL SYSTEM - COLOR A
07 46 46.B1	MANUFACTURER'S ALUMINUM TRIM
07 54 23.B1	TAPERED ROOF INSULATION
07 62 00.D2	2" X 2" DOWNSPOUT
07 92 00.H4	SEALANT BOTH SIDES
08 11 00.A2	HOLLOW METAL FRAME - GROUT SOLID
08 11 00.A3	HOLLOW METAL DOOR - SEE SCHEDULE
08 41 13.A1	ALUMINUM FRAMED ENTRANCE DOOR - SEE SCHEDULE
08 41 13.A2	ALUMINUM FRAMED ENTRANCE FRAMING
08 41 13.B4	ALUMINUM BRAKEMETAL TO MATCH STOREFRONT FRAME
09 21 16.A6	6" METAL STUD FRAMING
09 21 16.M1	GYPSUM BOARD



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

DRAWING TITLE:

DOOR DETAILS

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A702

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:13:43 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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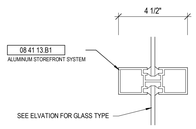
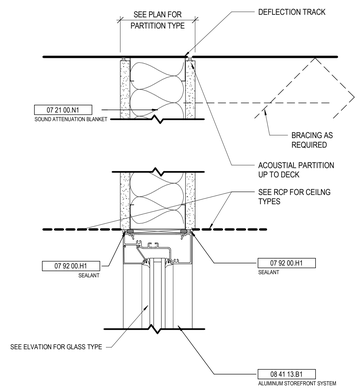
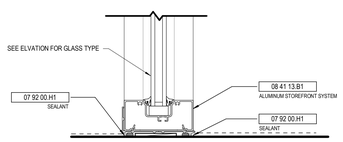
TYPCIAL INTERIOR STOREFRONT DETAILS



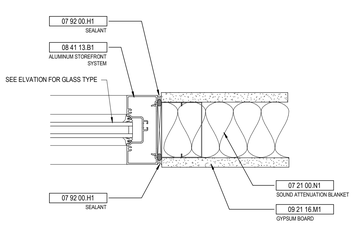
16 DETAIL TYPICAL MULLION AT ALUM STOREFRONT
3" = 1'-0"



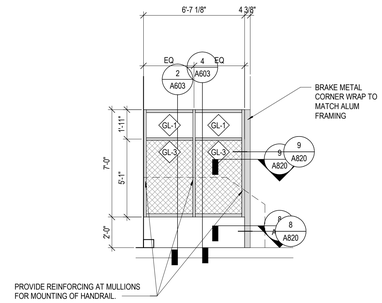
15 DETAIL TYPICAL INTERIOR STOREFRONT HEAD
3" = 1'-0"



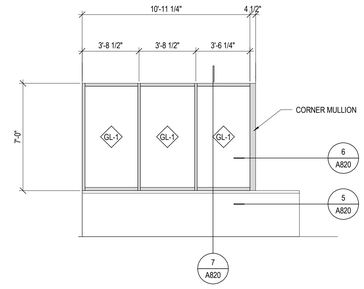
14 DETAIL TYPCIAL INTERIOR STOREFRONT SILL
3" = 1'-0"



13 DETAIL TYPICAL INTERIOR STOREFRONT JAMB
3" = 1'-0"



8 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



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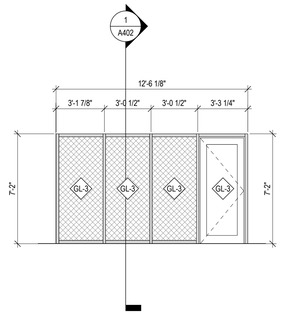
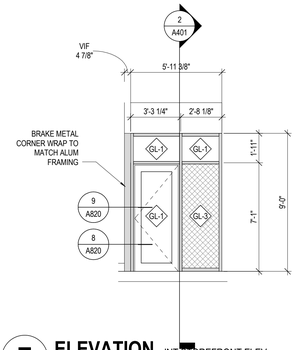
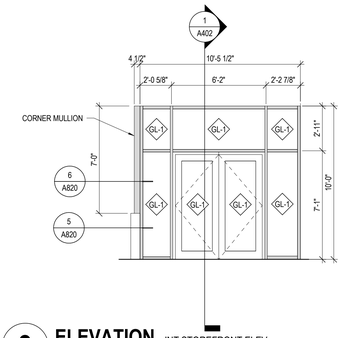
1/4" = 1'-0" REF: 1 / A100



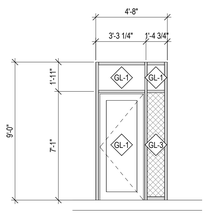
11 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A102



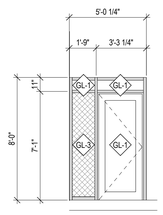
7 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



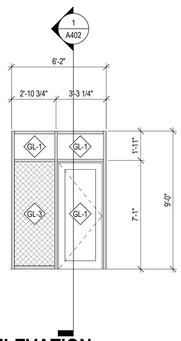
3 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



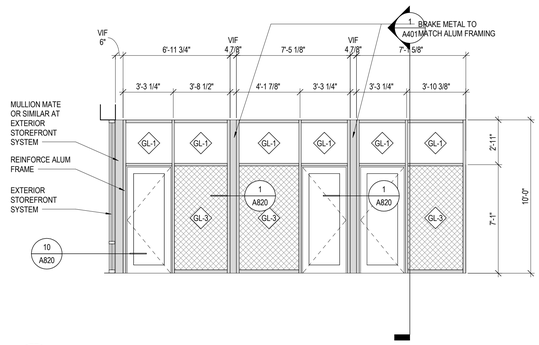
10 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



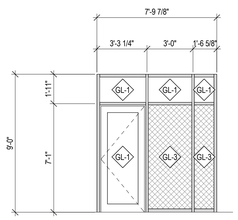
6 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



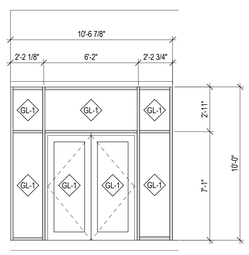
2 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



9 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



5 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100



1 ELEVATION INT STOREFRONT ELEV
1/4" = 1'-0" REF: 1 / A100

STATE OF KENTUCKY APPROVAL

1. SEE A820 SERIES SHEETS FOR INTERIOR STOREFRONT DETAILS

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
07 21 00.N1	SOUND ATTENUATION BLANKET
07 92 00.H1	SEALANT
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
09 21 16.M1	GYPSUM BOARD

GLAZING LEGEND

GL-1 INTERIOR GLAZING (CLEAR TEMPERED)

GL-2 NOT USED

GL-3 PRIVACY FILM OVER GL-1.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
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PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
INTERIOR STOREFRONT ELEVATIONS

JANUARY 30, 2020

DRAWN BY: **XXX** CHECKED BY: **XXX**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A720

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:13:54 PM
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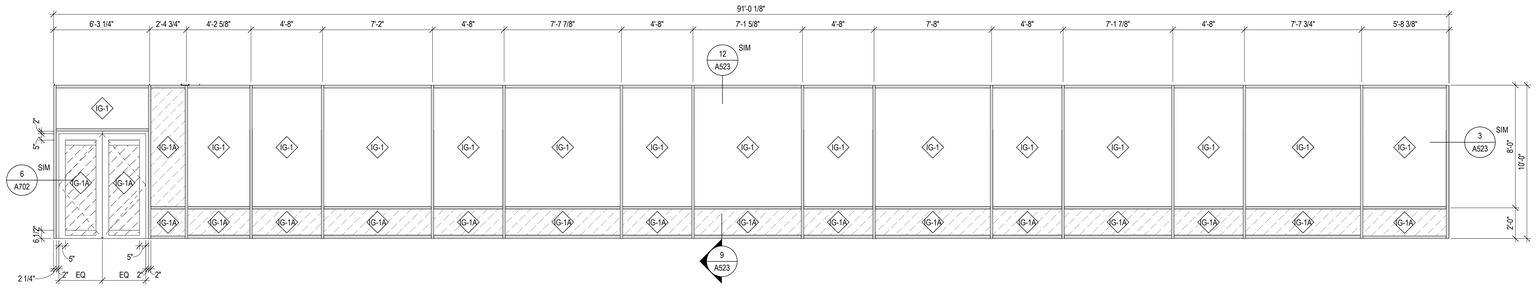
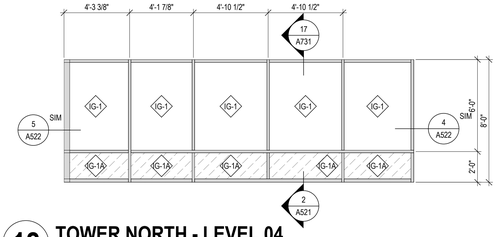
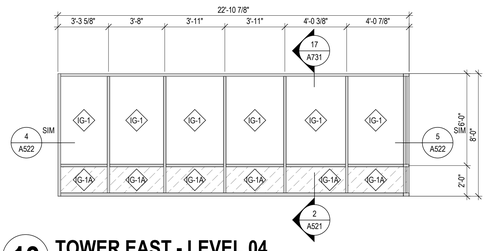


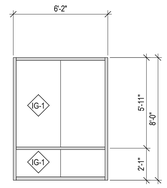
05 WEST STOREFRONT
1/4" = 1'-0"



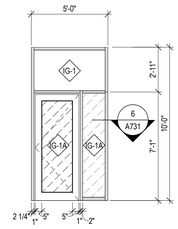
18 TOWER NORTH - LEVEL 04
1/4" = 1'-0"



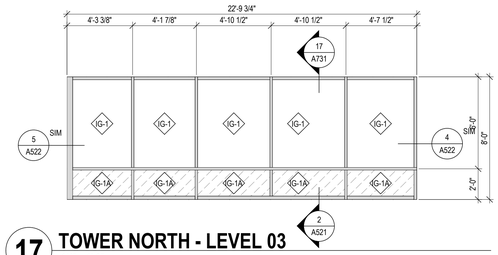
13 TOWER EAST - LEVEL 04
1/4" = 1'-0"



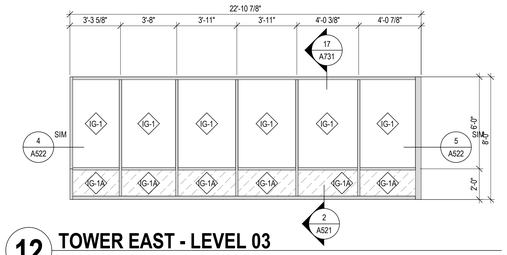
19 WINDOW T
1/4" = 1'-0"



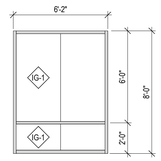
04 STOREFRONT DOOR
1/4" = 1'-0"



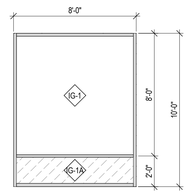
17 TOWER NORTH - LEVEL 03
1/4" = 1'-0"



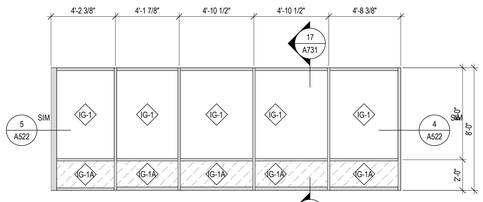
12 TOWER EAST - LEVEL 03
1/4" = 1'-0"



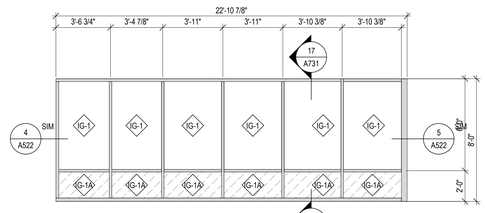
08 STOREFRONT D
1/4" = 1'-0"



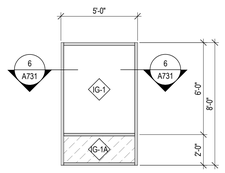
03 STOREFRONT B
1/4" = 1'-0"



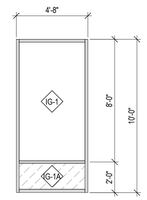
16 TOWER NORTH - LEVEL 02
1/4" = 1'-0"



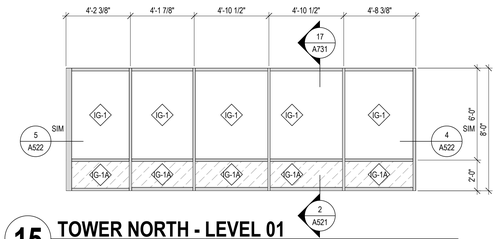
11 TOWER EAST - LEVEL 02
1/4" = 1'-0"



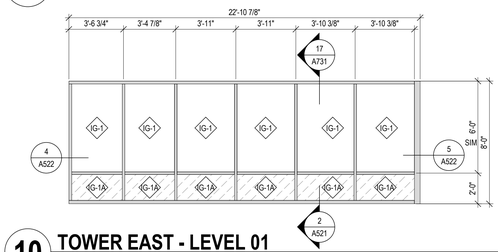
07 STOREFRONT C
1/4" = 1'-0"



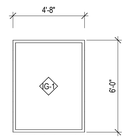
02 STOREFRONT A
1/4" = 1'-0"



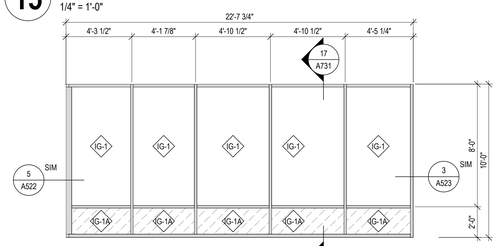
15 TOWER NORTH - LEVEL 01
1/4" = 1'-0"



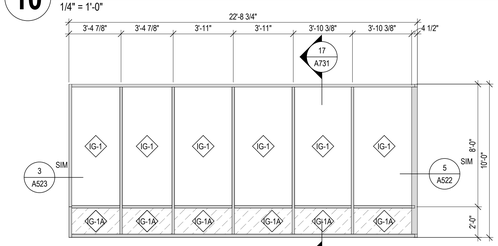
10 TOWER EAST - LEVEL 01
1/4" = 1'-0"



06 TYPICAL FIXED WINDOW
1/4" = 1'-0"



14 TOWER NORTH - LEVEL 00
1/4" = 1'-0"



09 TOWER EAST - LEVEL 00
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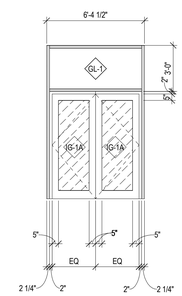

01 VESTIBULE DOOR
1/4" = 1'-0"

PRINT DATE: 2/6/2020 5:14:07 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011

PHONE: (859) 957-1277
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DRAWING TITLE:
EXTERIOR STOREFRONT ELEVATIONS

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: Checker

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A721

BID & PERMIT SUBMITTAL

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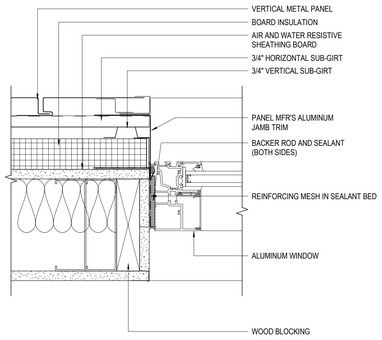
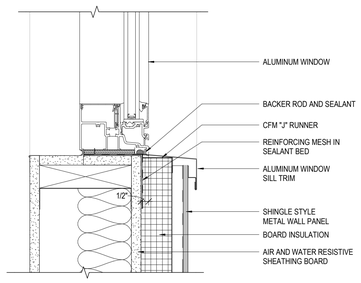
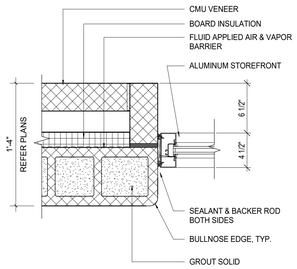


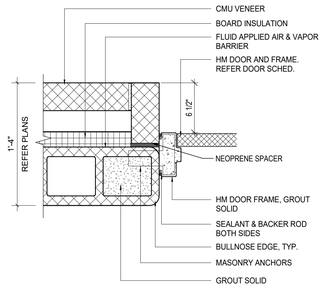
16 DETAIL ALUM WINDOW JAMB @ VERTICAL METAL PANEL
3" = 1'-0" REF: 3 / A302



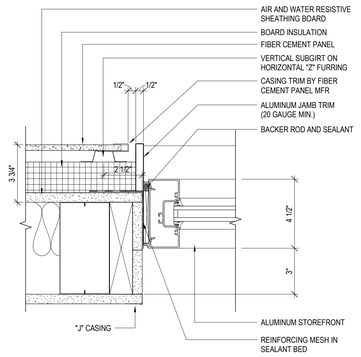
12 DETAIL ALUM WINDOW SILL @ SHINGLE PANEL
3" = 1'-0" REF: 1 / A520



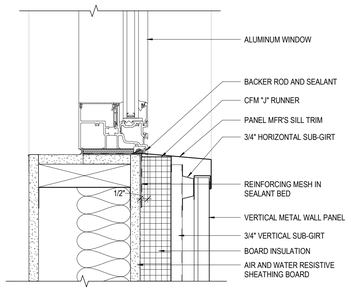
8 DETAIL STOREFRONT JAMB - CMU / VENEER
1 1/2" = 1'-0"



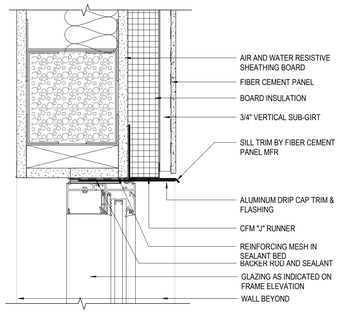
4 DETAIL DOOR JAMB DETAIL 5A - HM- CMU w/Brick
1 1/2" = 1'-0"



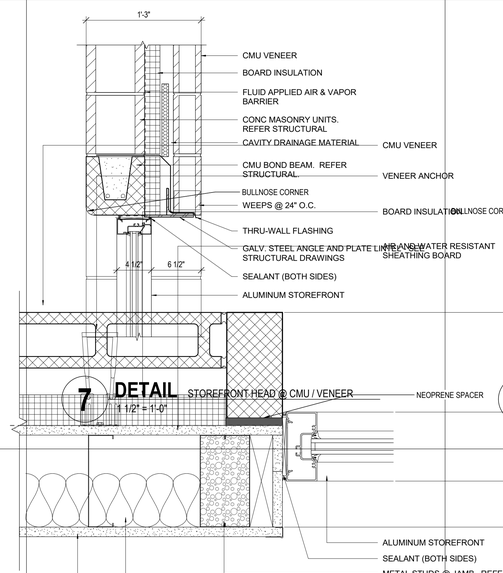
19 DETAIL STOREFRONT JAMB @ FIBER CEMENT PANEL
3" = 1'-0"



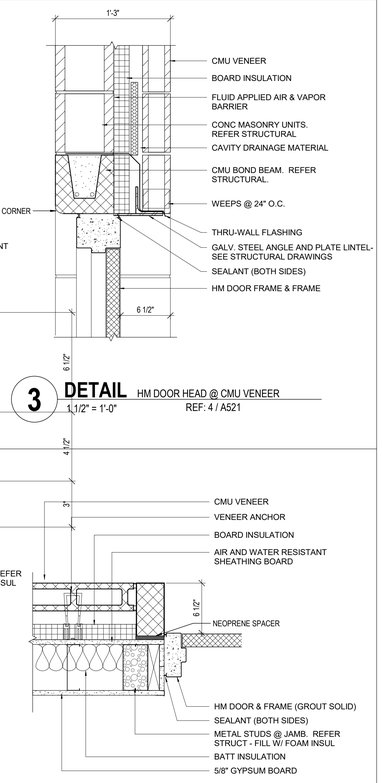
15 DETAIL ALUM WINDOW SILL @ VERTICAL METAL PANEL
3" = 1'-0" REF: 7 / A520



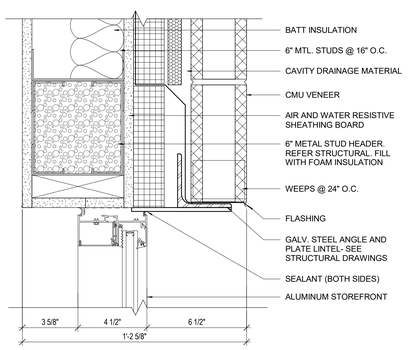
11 DETAIL ALUM WINDOW HEAD @ FIBER CEMENT PANEL
3" = 1'-0" REF: 5 / A520



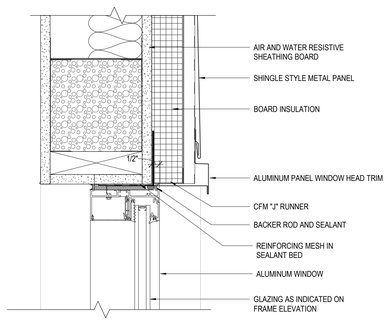
7 DETAIL STOREFRONT HEAD @ CMU / VENEER
1 1/2" = 1'-0"



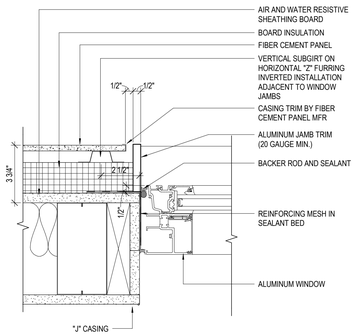
3 DETAIL HM DOOR HEAD @ CMU VENEER
1 1/2" = 1'-0" REF: 4 / A521



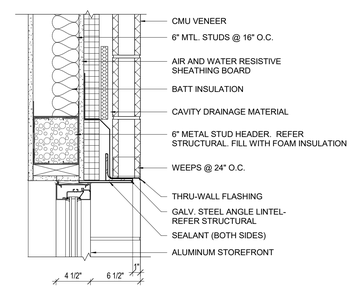
18 DETAIL ALUM WINDOW HEAD @ MTL STUD VENEER
3" = 1'-0"



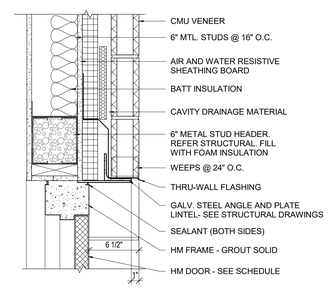
14 DETAIL ALUM WINDOW HEAD @ SHINGLE PANEL
3" = 1'-0" REF: 3 / A302



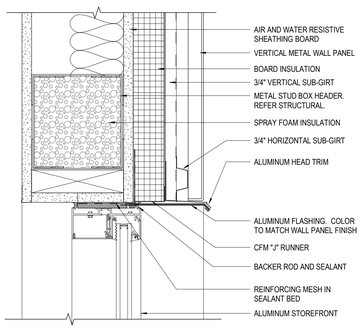
10 DETAIL ALUM WINDOW JAMB @ FIBER CEMENT PANEL
3" = 1'-0" REF: 12 / A521



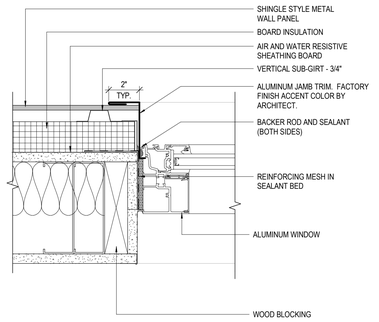
5 DETAIL STOREFRONT HEAD @ MTL STUD VENEER
1 1/2" = 1'-0"



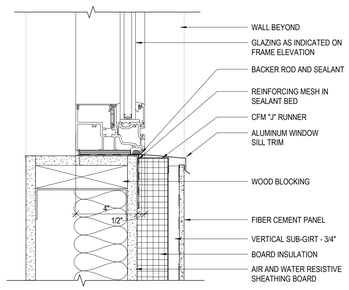
1 DETAIL HM DOOR HEAD @ MTL STUD VENEER
1 1/2" = 1'-0"



17 DETAIL ALUM WINDOW HEAD @ VERTICAL METAL PANEL
3" = 1'-0" REF: 4 / A501



13 DETAIL ALUM WINDOW JAMB @ SHINGLE PANEL
3" = 1'-0" REF: 3 / A302



9 DETAIL ALUM WINDOW SILL @ FIBER CEMENT PANEL
3" = 1'-0" REF: 5 / A520

STATE OF KENTUCKY APPROVAL

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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FAX: (859) 957-1280

DRAWING TITLE:
EXTERIOR DOOR AND WINDOW DETAILS

JANUARY 30, 2020
DRAWN BY: Author | CHECKED BY: Checker
#18237

CURTIS J. MOODY REGISTERED NO. 4296 COMMONWEALTH OF KENTUCKY ARCHITECT

A731

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:14:13 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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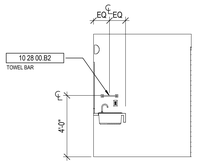
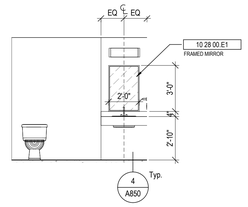
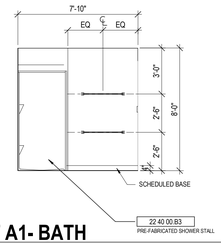


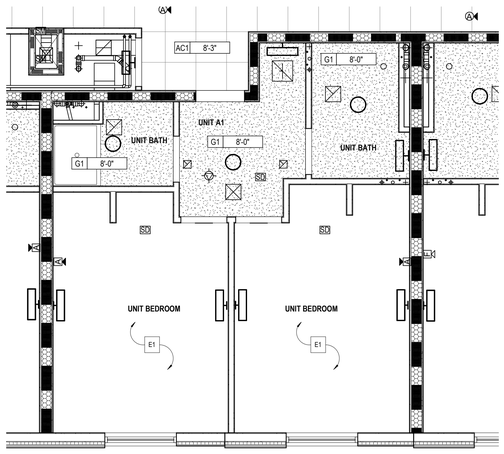
10 UNIT A1 - BATH
1/4" = 1'-0"



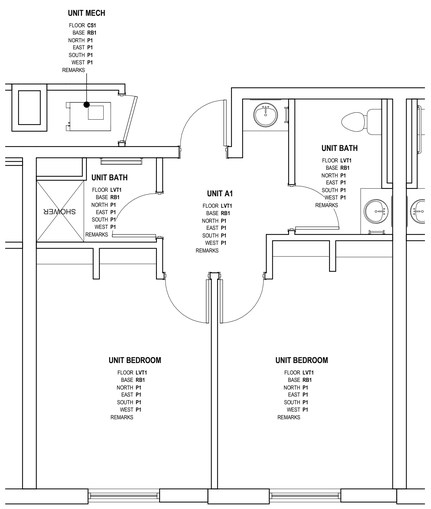
7 UNIT A1- RESTROOM
1/4" = 1'-0"



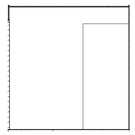
6 UNIT A1- BATH
1/4" = 1'-0"



2 UNIT A1- RCP
1/4" = 1'-0"

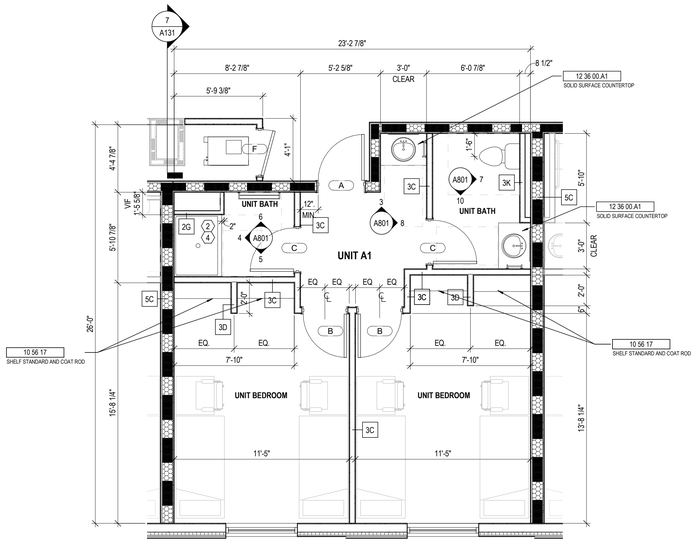


9 FINISH PLAN - UNIT A1
1/4" = 1'-0"



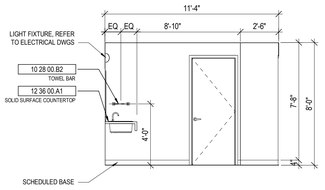
5 UNIT A1 - BATH
1/4" = 1'-0"

4 UNIT A1-BATH
1/4" = 1'-0"

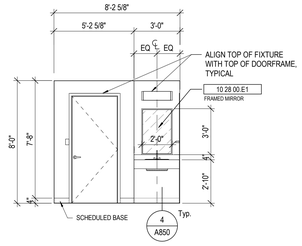


ALL DIMENSIONS IN THIS VIEW ARE FROM FACE OF FINISH

1 UNIT A1- PLAN
1/4" = 1'-0"



8 UNIT A1 - VESTIBULE
1/4" = 1'-0"



3 UNIT A1- FOYER
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP
12 36 00.A1	SOLID SURFACE COUNTERTOP
22 40 00.B3	PRE-FABRICATED SHOWER STALL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: COMMON AREA RESTROOM COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFORMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS. OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
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LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
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DRAWING TITLE:

UNIT A1

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

A801

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:14:28 PM
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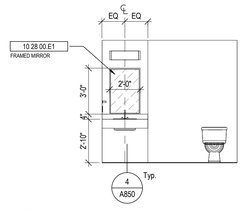
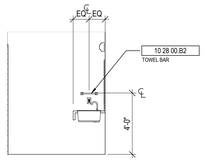


7 UNIT A2 - RESTROOM
1/4" = 1'-0"



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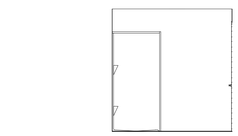

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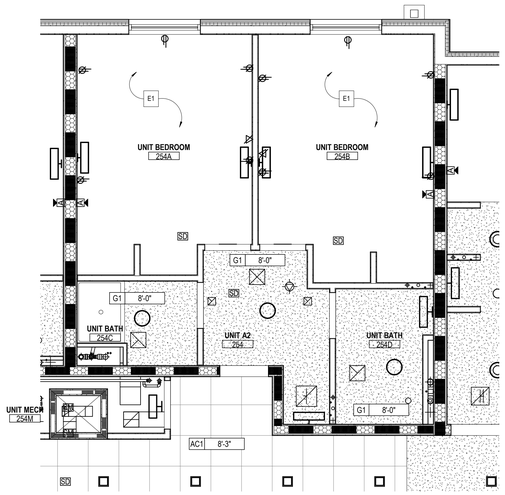

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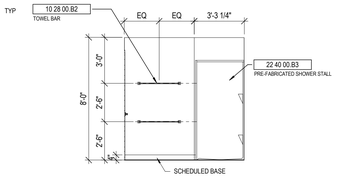
1/4" = 1'-0"



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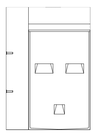

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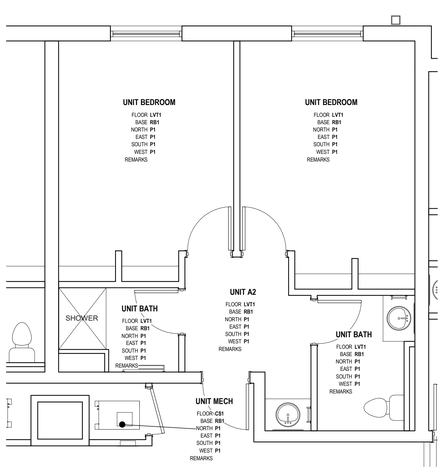
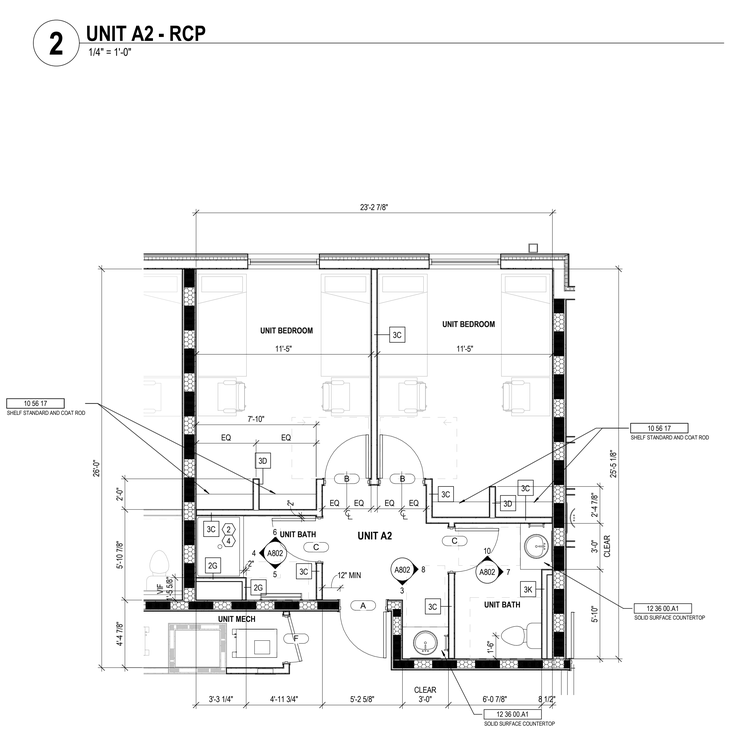


9 FINISH PLAN - UNIT A2
1/4" = 1'-0"



ALL DIMENSIONS IN THIS VIEW ARE FROM FACE OF FINISH

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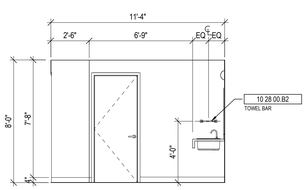
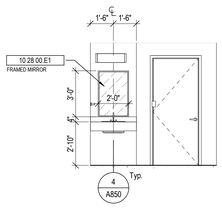


8 UNIT A2 - VESTIBULE
1/4" = 1'-0"



3 UNIT A2 - VESTIBULE
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP
22 40 00.B3	PRE-FABRICATED SHOWER STALL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OR, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

UNIT A2

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A802

BID & PERMIT SUBMITTAL

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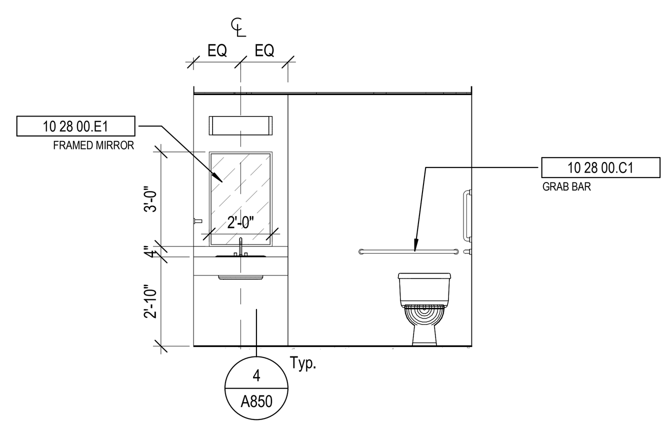
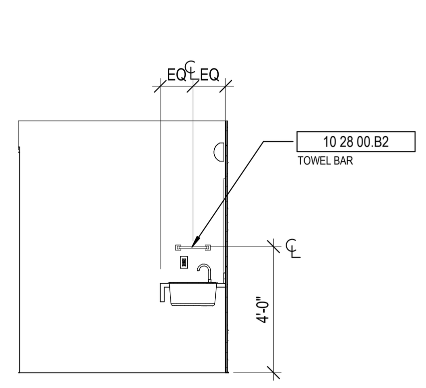


7 UNIT A4 - RESTROOM
1/4" = 1'-0"



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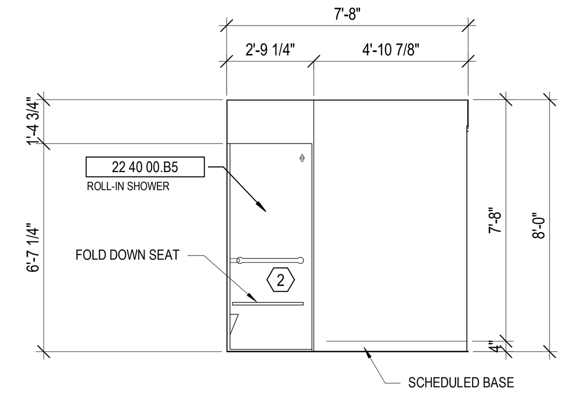

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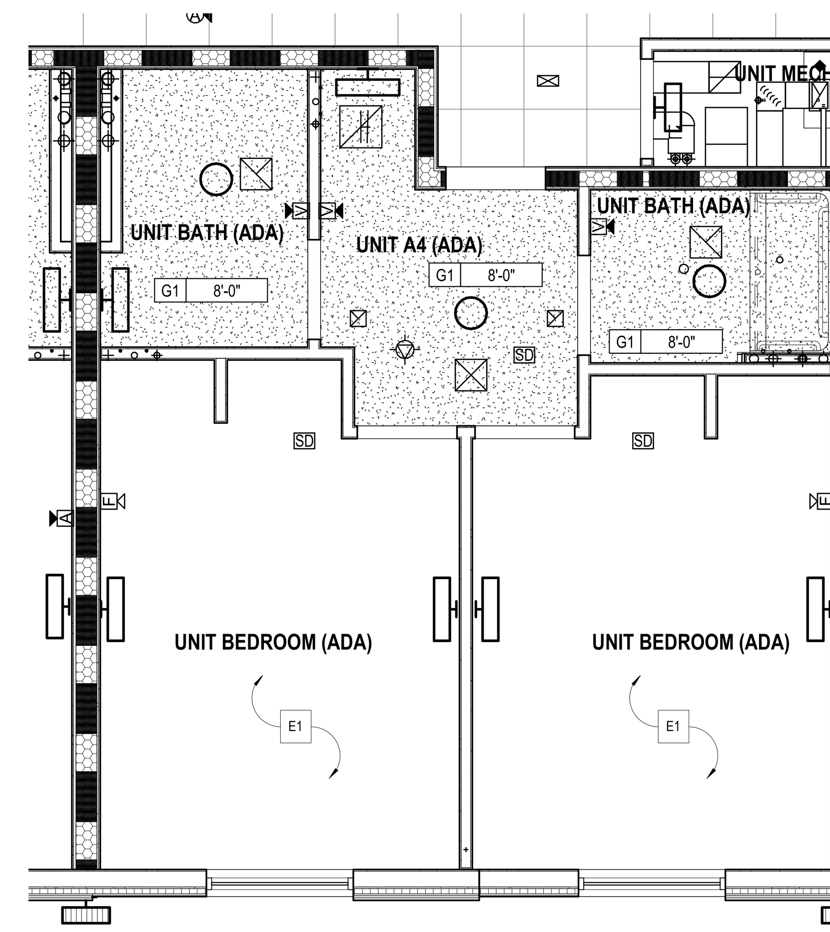
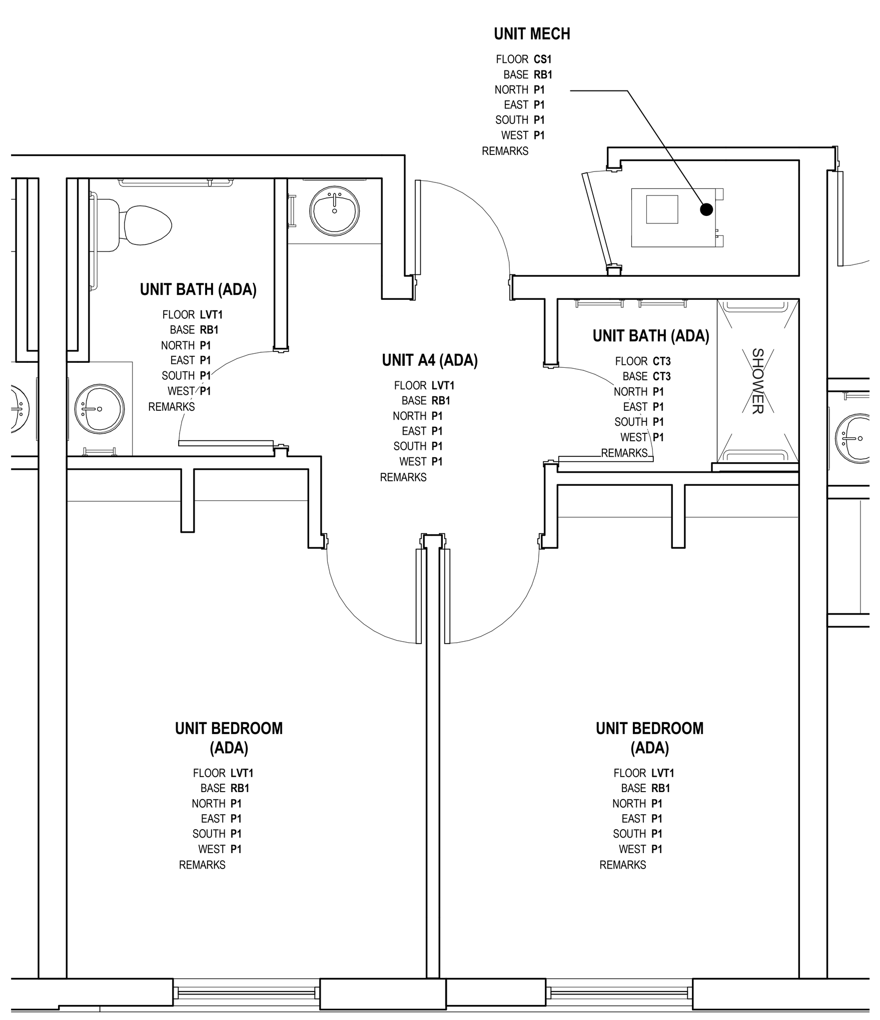
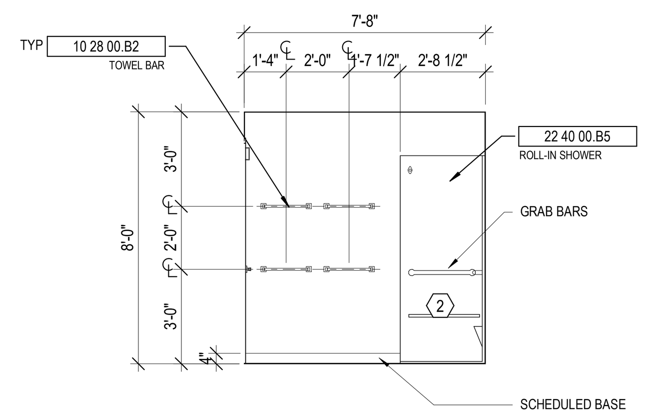


2 UNIT A4 (ACCESIBLE UNIT W/ ROLL-IN SHOWER)-RCP
1/4" = 1'-0"



9 FINISH PLAN - UNIT A4 (ROLL-IN)
1/4" = 1'-0"



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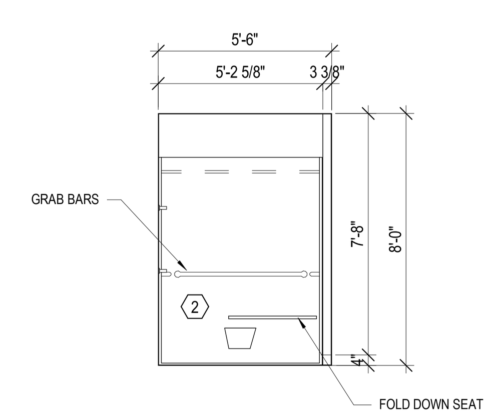

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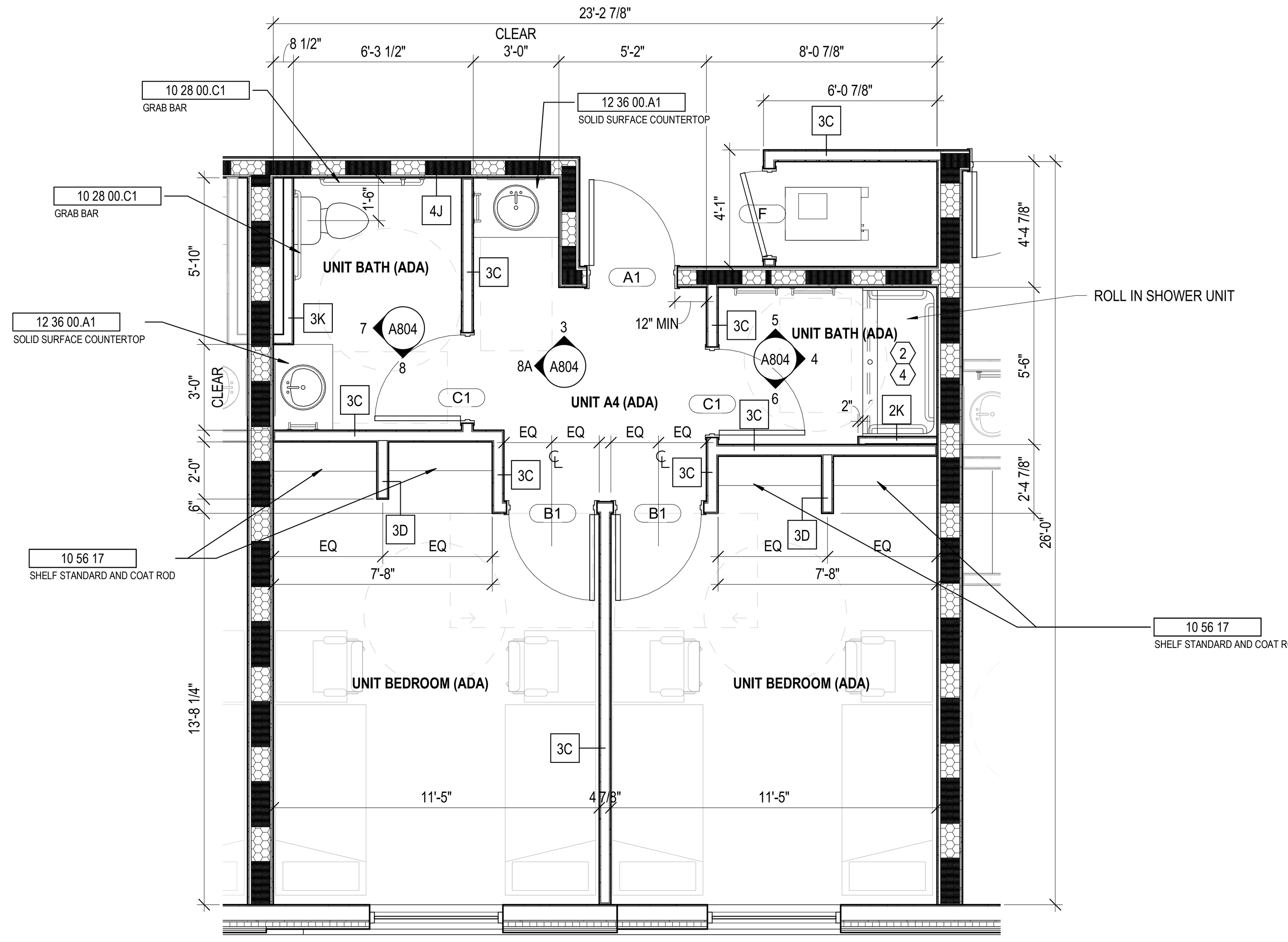

ALL DIMENSIONS IN THIS VIEW ARE FROM FACE OF FINISH

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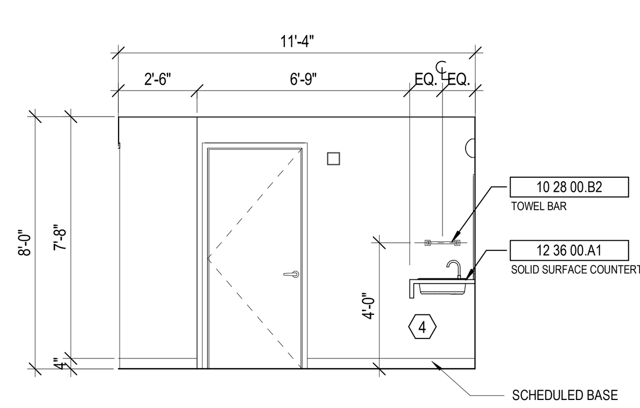
1/4" = 1'-0"



8A UNIT A4 - VESTIBULE
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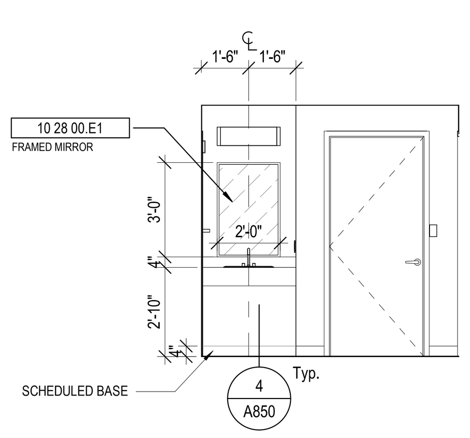

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14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
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3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

1 HOUR FIRE RATED PARTITION TO DECK

2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.C1	GRAB BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP
22 40 00.B5	ROLL-IN SHOWER

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: UNIT COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO MHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A,9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
   BEAM ALONG GRIDLINE E.
   BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING

AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2

E1 EXPOSED STRUCTURE ABOVE

G1 GYPSUM BOARD CEILING OR SOFFIT

WD1 WOOD SLAT CEILING SYSTEM

2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

OR OR — RECESSED CAN LIGHT

OR — SURFACE MOUNTED LIGHT

LINEAR COVE LIGHT

EXIT LIGHT WITH DIRECTIONAL ARROW

EXIT LIGHT

SUPPLY DIFFUSER

LINEAR DIFFUSER

EXHAUST/RETURN GRILLE

SPEAKER

XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS. OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NEW RESIDENCE HALL
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HIGHLAND HEIGHTS, KY 41099
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NORTHERN KENTUCKY UNIVERSITY

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A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

UNIT A4 (ROLL-IN)

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A804

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:14:57 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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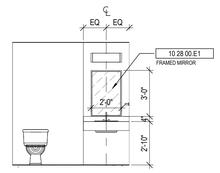
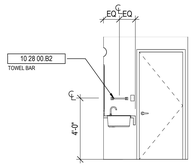


7 UNIT B1 - RESTROOM
1/4" = 1'-0"



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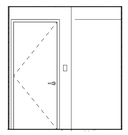

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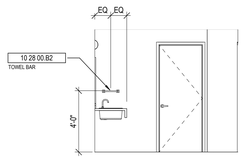

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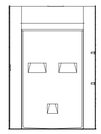

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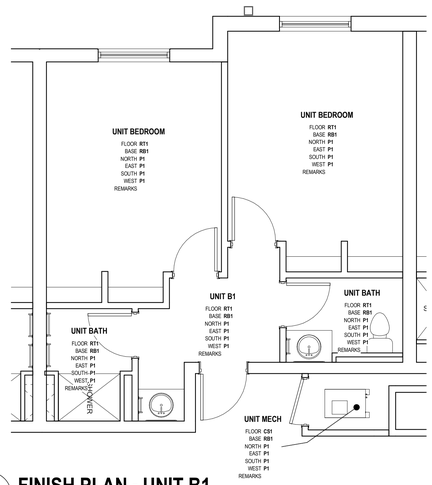
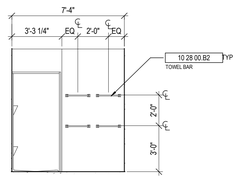


8 FINISH PLAN - UNIT B1
1/4" = 1'-0"



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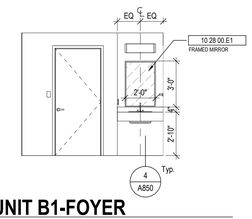
1/4" = 1'-0"



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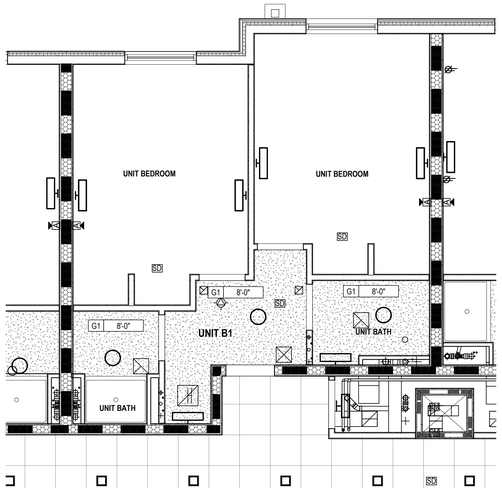
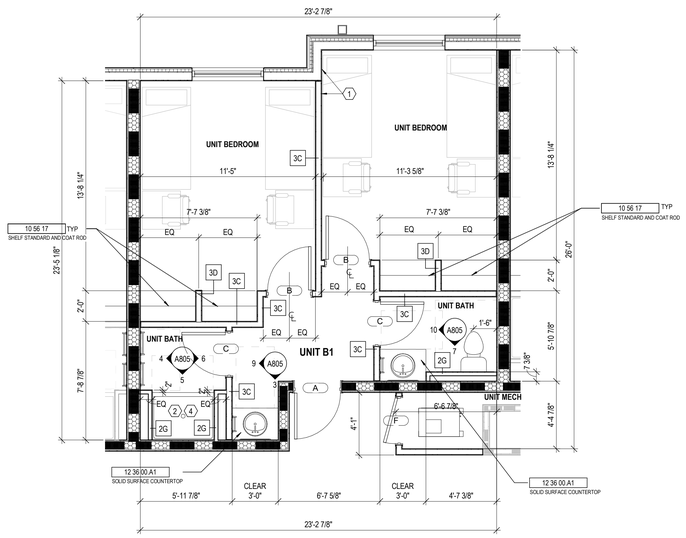
1/4" = 1'-0"



2 UNIT B1 - RCP
1/4" = 1'-0"



ALL DIMENSIONS IN THIS VIEW ARE FROM FACE OF FINISH

1 UNIT B1 - PLAN
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
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P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: [illegible]
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

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1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
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8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
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10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

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A KATERRA COMPANY
269 W Main St.
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Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

UNIT B1

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

A805

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4296 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:15:11 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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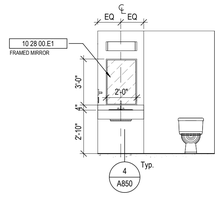
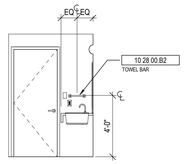
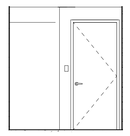


7 UNIT B2 - RESTROOM
1/4" = 1'-0"



10 UNIT B2 - BATH
1/4" = 1'-0"



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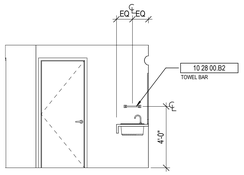
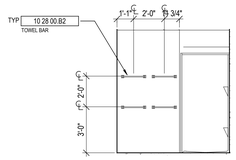
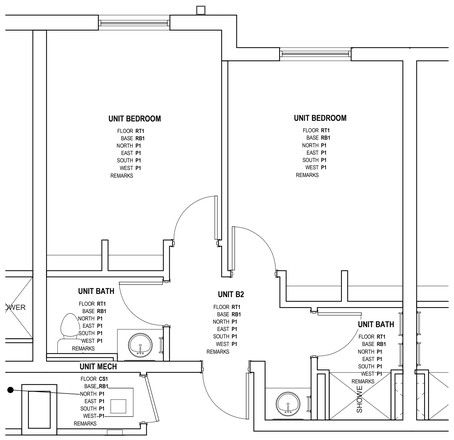
1/4" = 1'-0"



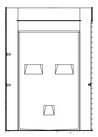
9 UNIT B2 - VESTIBULE
1/4" = 1'-0"



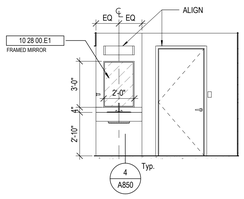
5 UNIT B2 -BATH
1/4" = 1'-0"



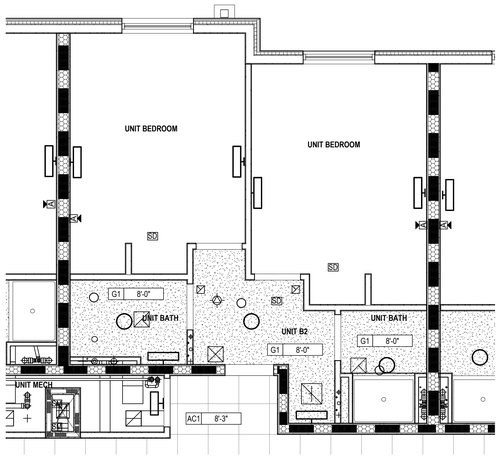
8 FINISH PLAN - UNIT B2
1/4" = 1'-0"



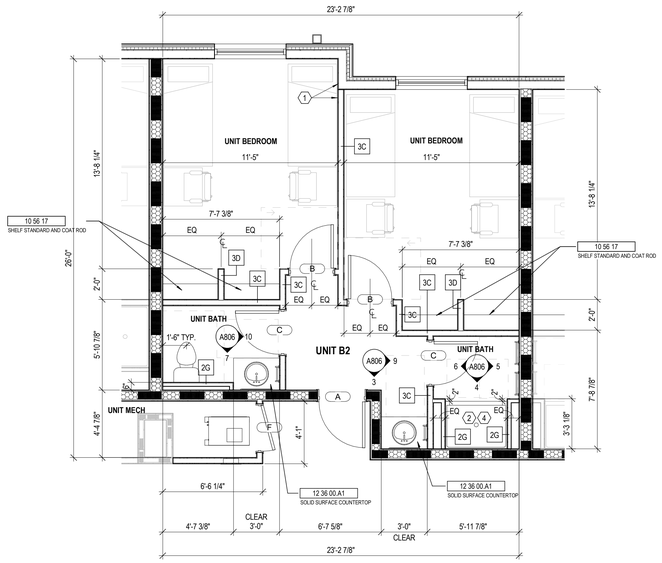
4 UNIT B2 - BATH
1/4" = 1'-0"



3 UNIT B2 - VESTIBULE
1/4" = 1'-0"



2 UNIT B2 - RCP
1/4" = 1'-0"



ALL DIMENSIONS IN THIS VIEW ARE FROM FACE OF FINISH

1 UNIT B2 - PLAN
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: COMMON AREA WOMEN'S COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFORMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
UNIT B2

JANUARY 30, 2020
DRAWN BY: Author | CHECKED BY: Checker
#18237

CURTIS J. MOODY REGISTERED NO. 4296 COMMONWEALTH OF KENTUCKY ARCHITECT

A806

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:15:25 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

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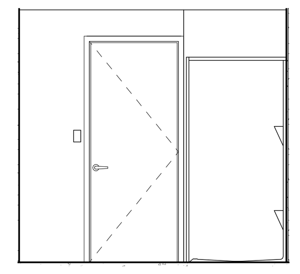
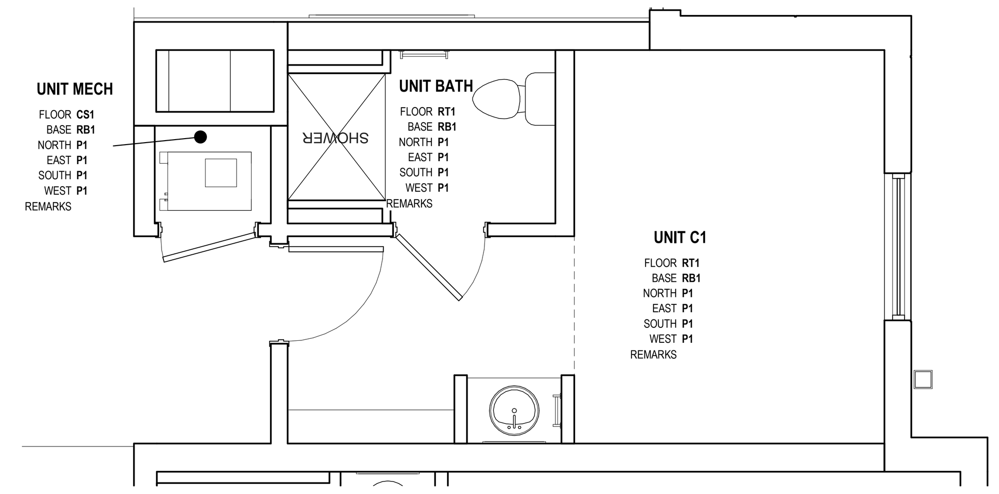


8 UNIT C1-BATH
1/4" = 1'-0"



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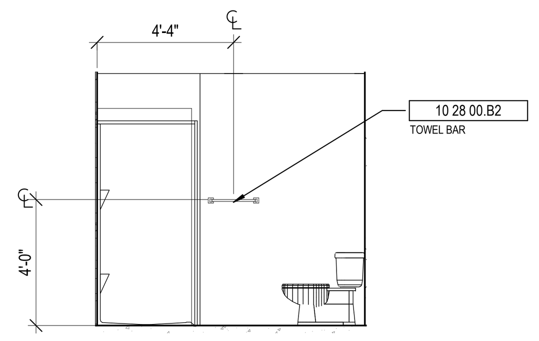
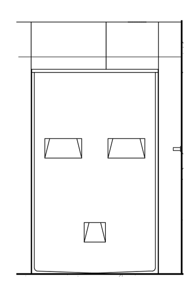
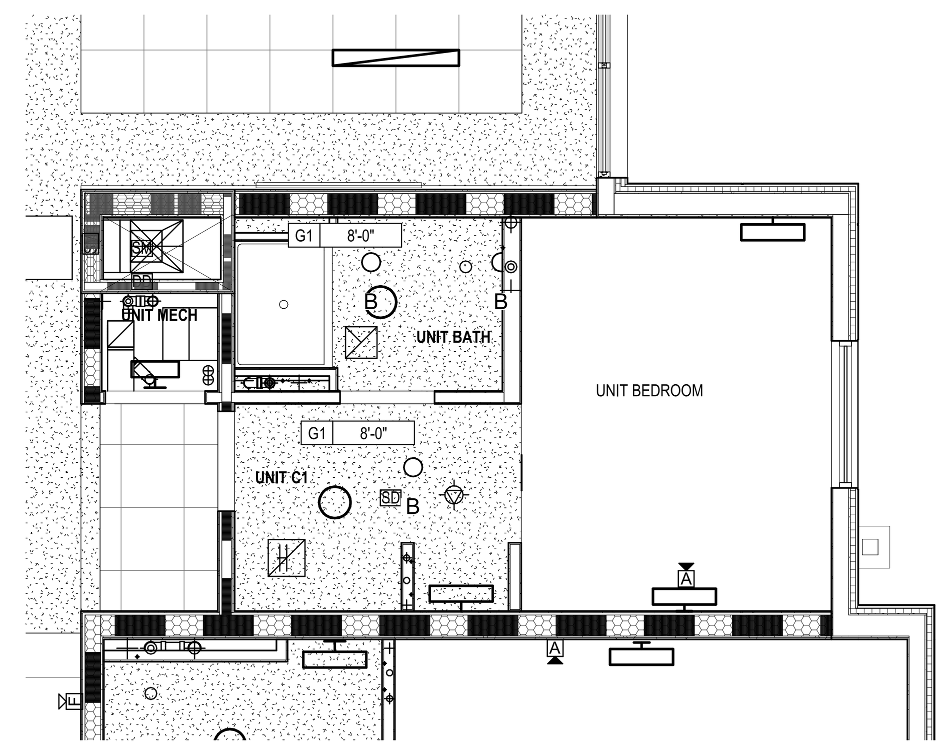
1/4" = 1'-0"



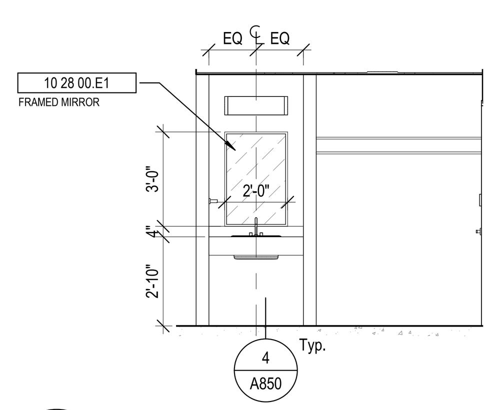
7 UNIT C1 - BATH
1/4" = 1'-0"



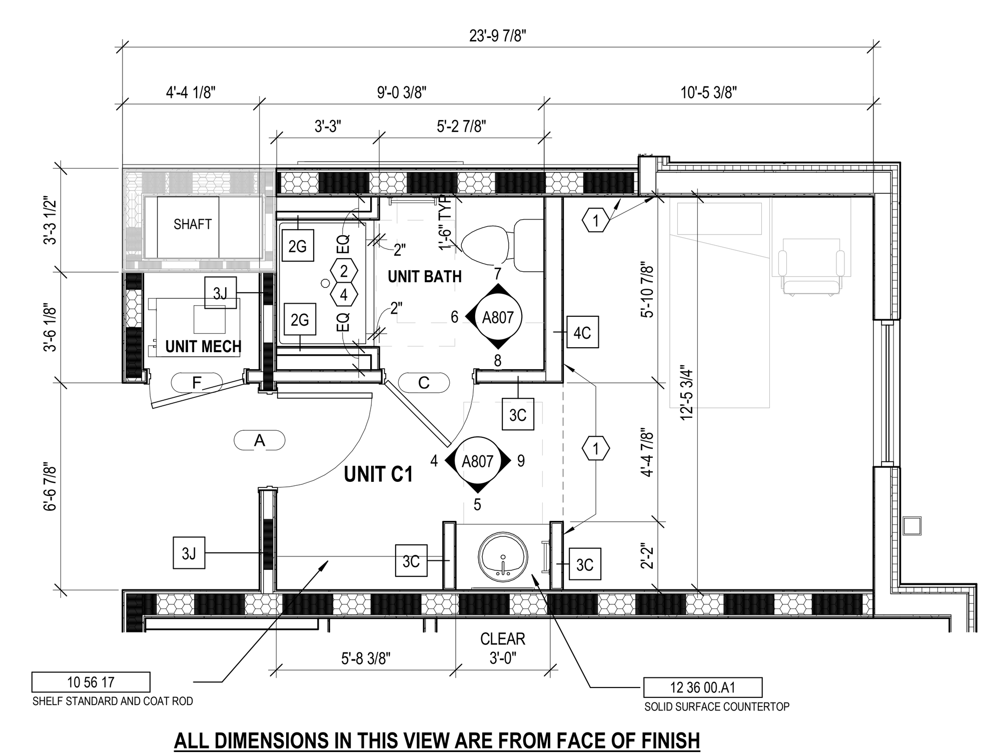
6 UNIT C1- BATH
1/4" = 1'-0"



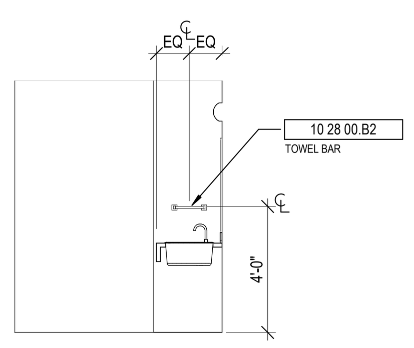
2 UNIT C1 - RCP
1/4" = 1'-0"



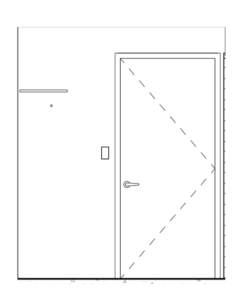
5 UNIT C1- FOYER
1/4" = 1'-0"



1 UNIT C1 -PLAN
1/4" = 1'-0"



9 UNIT C1 - VESTIBULE
1/4" = 1'-0"



4 UNIT C1 - VESTIBULE
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**.
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

1 HOUR FIRE RATED PARTITION TO DECK
2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: UNIT COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO MHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A,9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
   BEAM ALONG GRIDLINE E.
   BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
E1 EXPOSED STRUCTURE ABOVE
G1 GYPSUM BOARD CEILING OR SOFFIT
WD1 WOOD SLAT CEILING SYSTEM
2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
OR OR — RECESSED CAN LIGHT
OR — SURFACE MOUNTED LIGHT
LINEAR COVE LIGHT
EXIT LIGHT WITH DIRECTIONAL ARROW
EXIT LIGHT
SUPPLY DIFFUSER
LINEAR DIFFUSER
EXHAUST/RETURN GRILLE
SPEAKER
XX | XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS. OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
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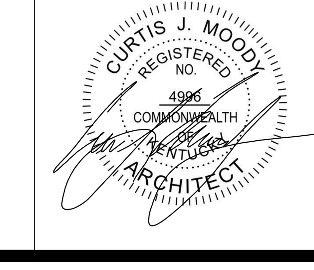
LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
UNIT C1

JANUARY 30, 2020
DRAWN BY: **Author** CHECKED BY: **Checker**
#18237
A807
BID & PERMIT SUBMITTAL



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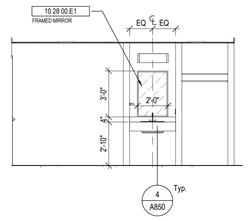
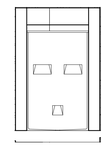
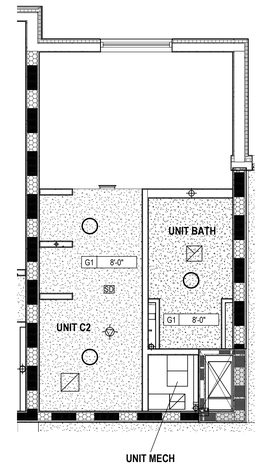


7 UNIT C2 VESTIBULE
1/4" = 1'-0"



6 UNIT C2 BATH
1/4" = 1'-0"



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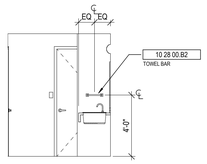
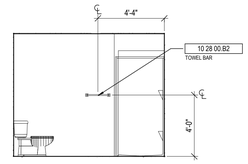
1/4" = 1'-0"



9 UNIT C2 - VESTIBULE
1/4" = 1'-0"



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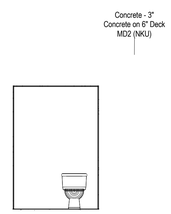

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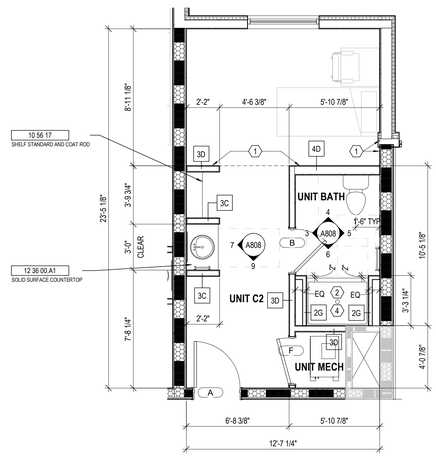
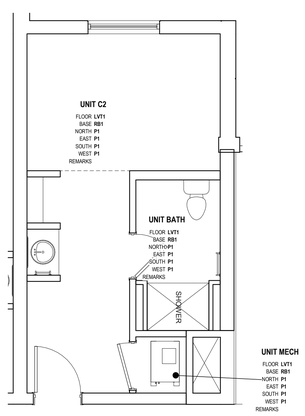
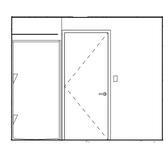


ALL DIMENSIONS IN THIS VIEW ARE FROM FACE OF FINISH

1 UNIT C2
1/4" = 1'-0"



8 FINISH PLAN - UNIT C2
1/4" = 1'-0"



3 UNIT C2 BATH
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: SHELF STANDARD
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFORMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR — RECESSED CAN LIGHT
- OR — SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

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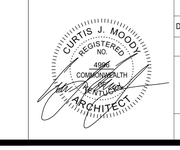
UNIT C2



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DRAWN BY: **Author** CHECKED BY: **Checker**

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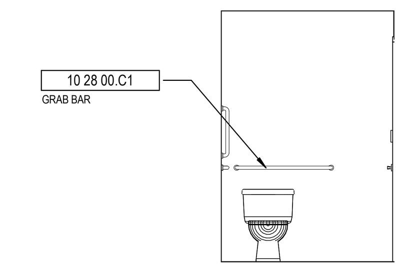
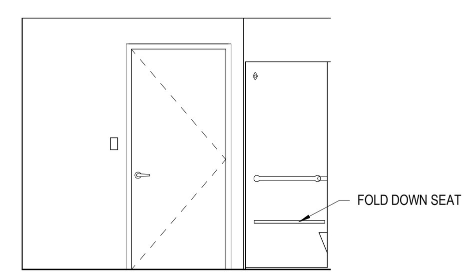
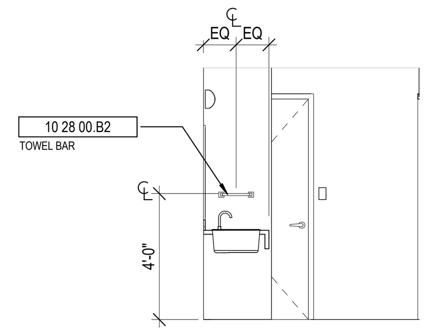


7 UNIT C4 BATH
1/4" = 1'-0"



6 UNIT C4 -BATH
1/4" = 1'-0"



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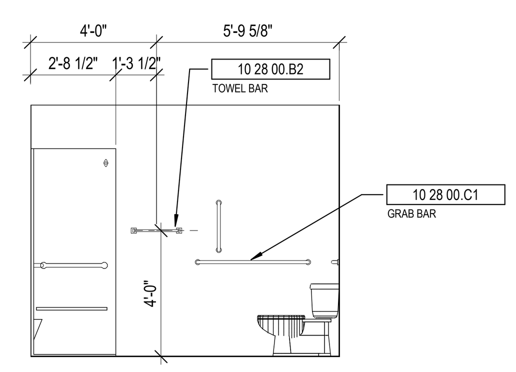

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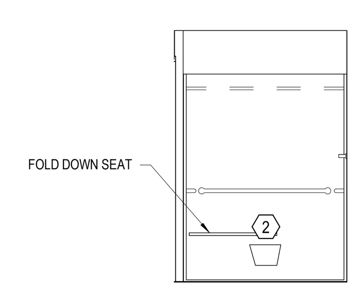

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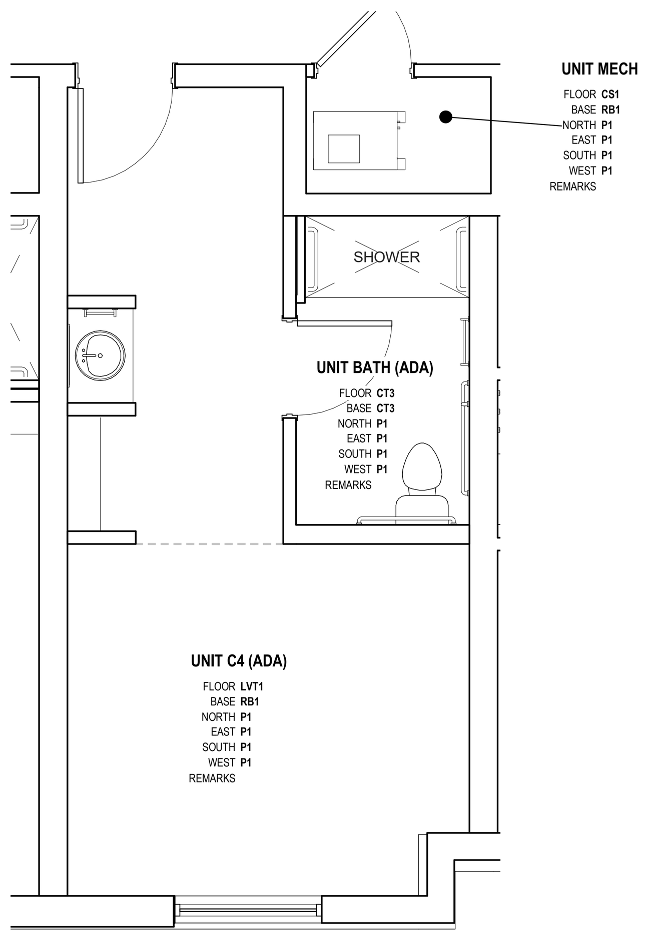
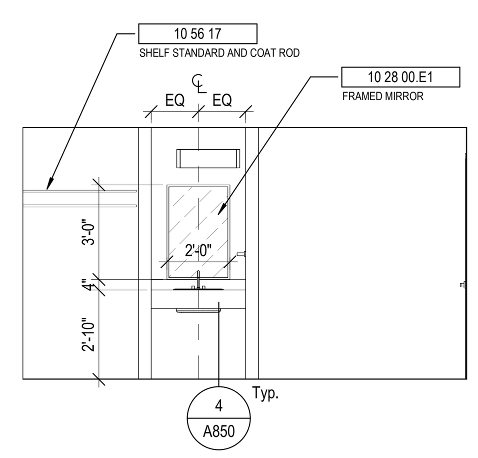


8 FINISH PLAN - UNIT C4 (ADA)
1/4" = 1'-0"



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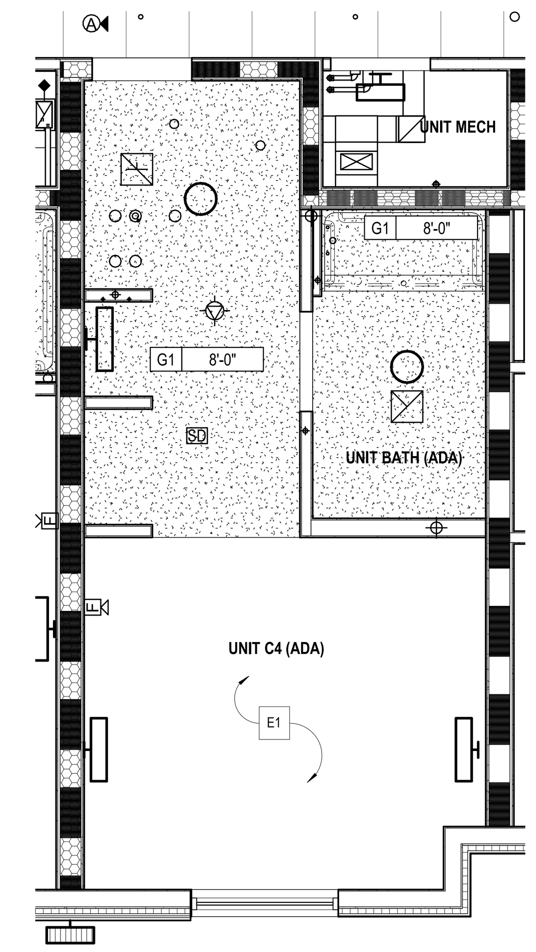
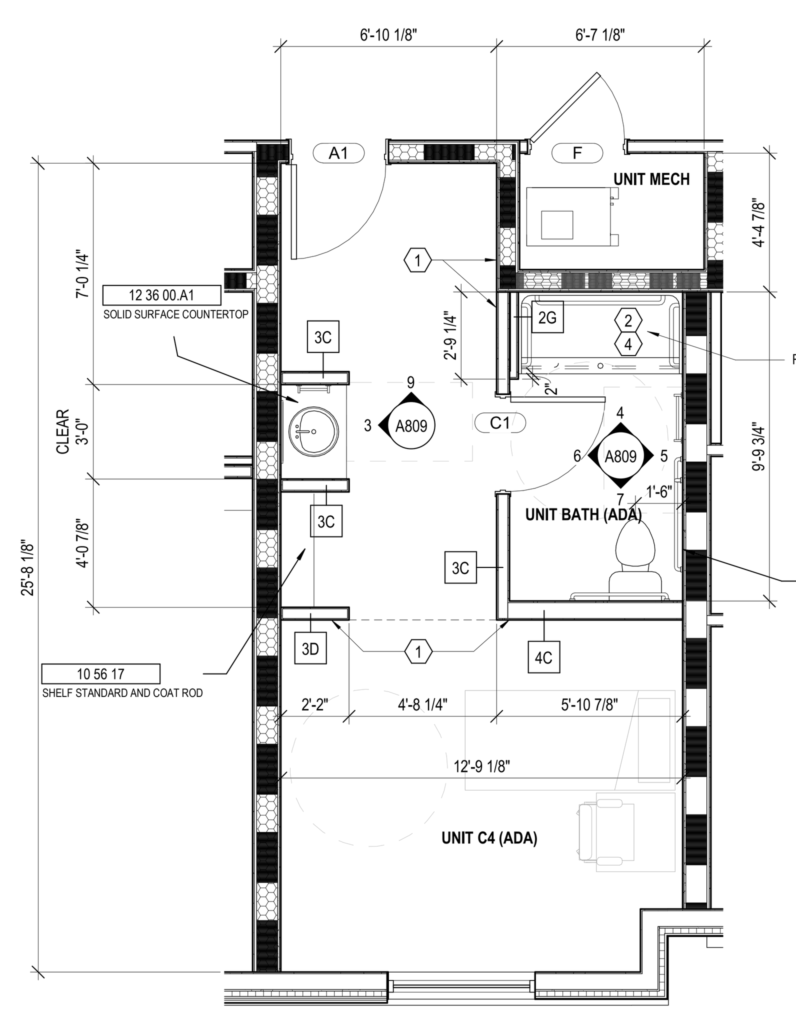


2 UNIT C4 (ACCESSIBLE UNIT W/ ROLL-IN SHOWER) - RCP
1/4" = 1'-0"



ALL DIMENSIONS IN THIS VIEW ARE FROM FACE OF FINISH

1 UNIT C4 (ACCESSIBLE UNIT W/ ROLL-IN SHOWER) - PLAN
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

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3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.C1	GRAB BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: UNIT COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
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5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO MHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

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2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A,9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
   BEAM ALONG GRIDLINE E.
   BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR — RECESSED CAN LIGHT
- OR — SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS. OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

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NEW RESIDENCE HALL
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HIGHLAND HEIGHTS, KY 41099
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A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

UNIT C4 (ROLL-IN)

JANUARY 30, 2020
DRAWN BY: **Author** CHECKED BY: **Checker**
#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A809

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:16:07 PM
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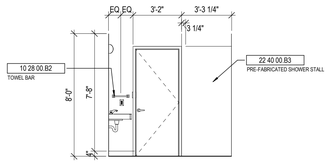
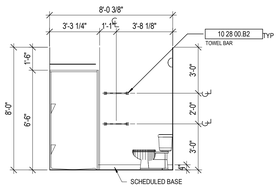


6 UNIT D1-BATH
1/4" = 1'-0"



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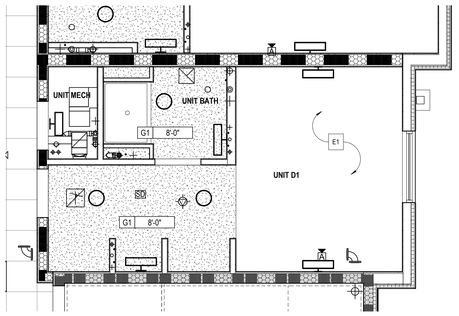
1/4" = 1'-0"



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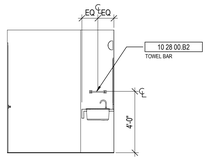
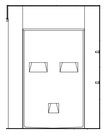
1/4" = 1'-0"



8 UNIT D1 VESTIBULE
1/4" = 1'-0"



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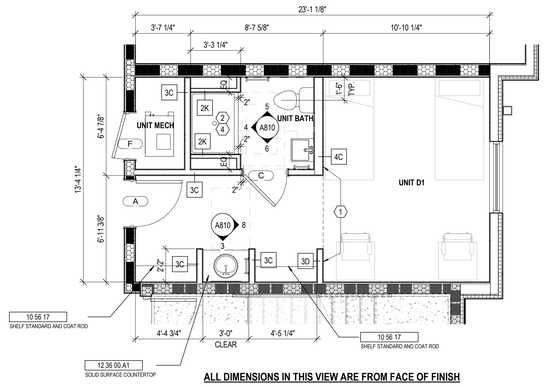
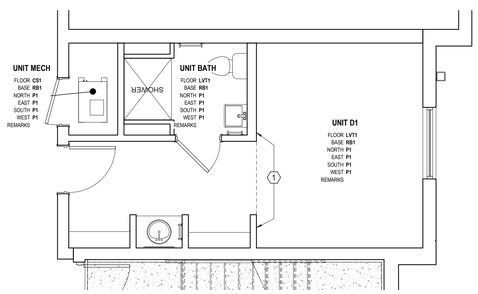
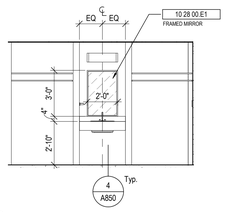
1/4" = 1'-0"



1 UNIT D1 - PLAN
1/4" = 1'-0"



7 FINISH PLAN - UNIT D1
1/4" = 1'-0"



3 UNIT D1 VESTIBULE
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.B2	TOWEL BAR
10 28 00.E1	FRAMED MIRROR
10 56 17	SHELF STANDARD AND COAT ROD
12 36 00.A1	SOLID SURFACE COUNTERTOP
22 40 00.B3	PRE-FABRICATED SHOWER STALL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
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WALLS

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MISCELLANEOUS

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VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: COMMON AREA RESTROOM COUNTERTOP
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2. OPEN TO ABOVE
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   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

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- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

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DRAWING TITLE:

UNIT D1

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A810

BID & PERMIT SUBMITTAL

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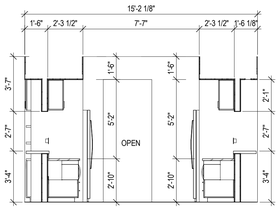
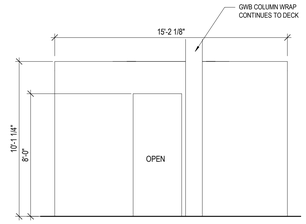


11 COMMON AREA-KITCHEN -INT ELEVATION 4
1/4" = 1'-0"



7 COMMON AREA-KITCHEN -EXT ELEVATION 4
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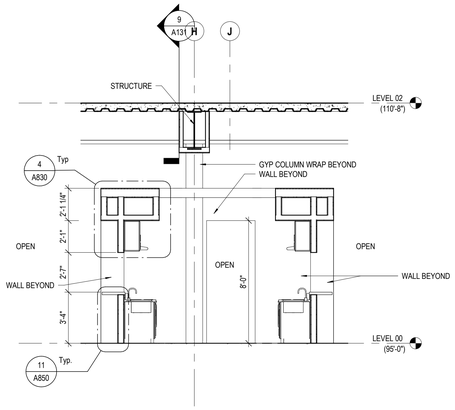
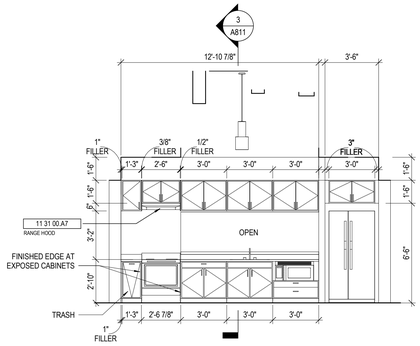


3 SECTION - KITCHEN
1/4" = 1'-0"



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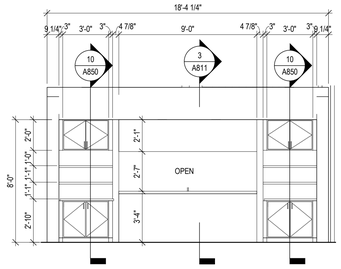
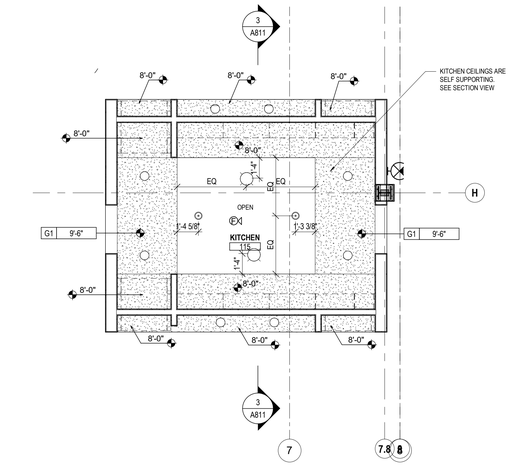
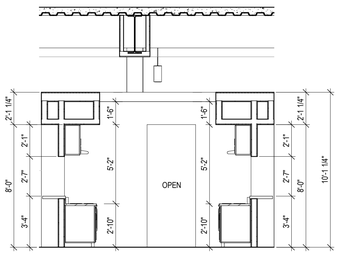
1/4" = 1'-0"



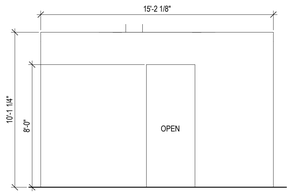
6 COMMON AREA-KITCHEN -EXT ELEVATION 3
1/4" = 1'-0"



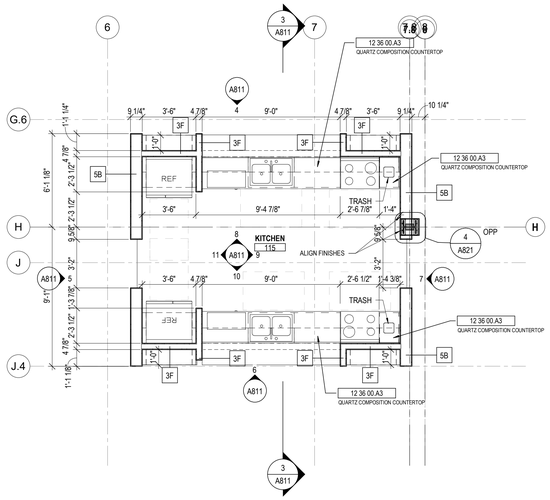
2 KITCHEN RCP
1/4" = 1'-0"



9 COMMON AREA-KITCHEN -INT ELEVATION 2
1/4" = 1'-0"

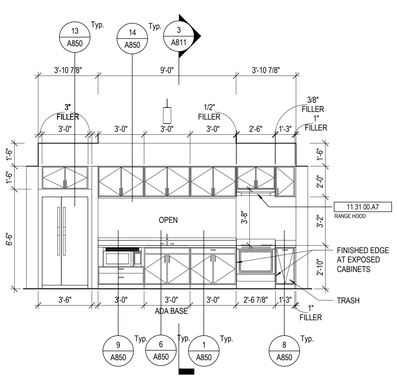


5 COMMON AREA-KITCHEN -EXT ELEVATION 2
1/4" = 1'-0"

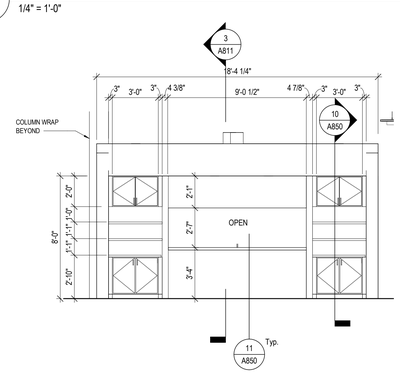


NOTE: KITCHEN WALLS DO NOT CONTINUE TO DECK. SEE SECTION VIEW AT KITCHEN.

1 KITCHEN PLAN
1/4" = 1'-0"



8 COMMON AREA-KITCHEN -INT ELEVATION 1
1/4" = 1'-0"



4 COMMON AREA-KITCHEN -EXT ELEVATION
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
11 31 00.A7	RANGE HOOD
12 36 00.A3	QUARTZ COMPOSITION COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A,B) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE 6.
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
- AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- RECESSED CAN LIGHT
- SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

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A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

COMMON AREA KITCHEN

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A811

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:16:36 PM
FILE INFO: BIM 360:/NKU - New Residence Hall/NKU-15976-01_ARCH.rvt

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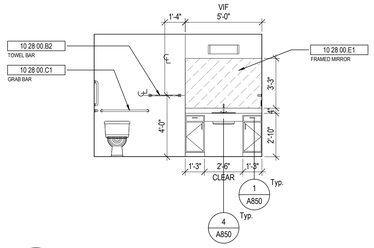
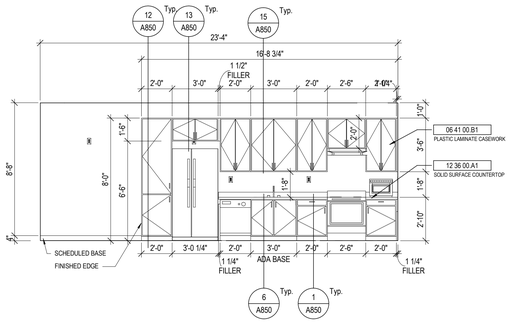
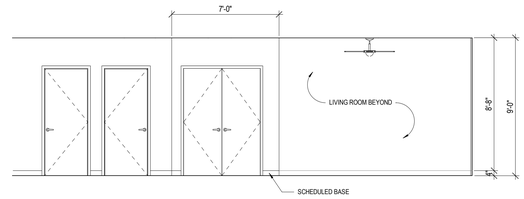


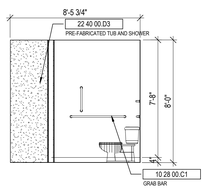
10 RM APARTMENT - BATH
1/4" = 1'-0"



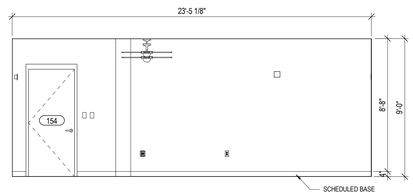
6 RM APARTMENT - KITCHEN
1/4" = 1'-0"



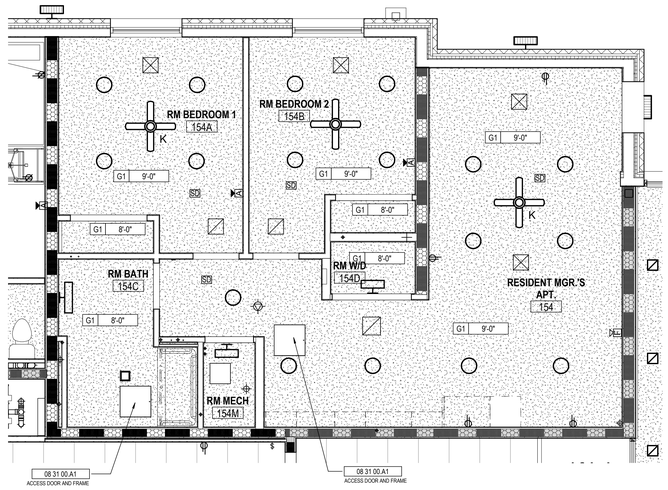
3 RM APARTMENT - LAUNDRY
1/4" = 1'-0"



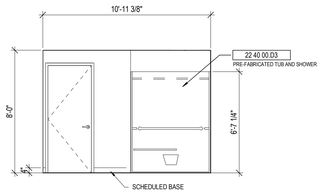
9 RM APARTMENT-BATH
1/4" = 1'-0"



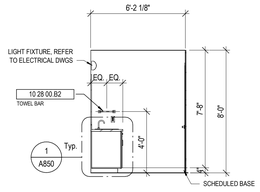
5 RM APARTMENT - LIVING
1/4" = 1'-0"



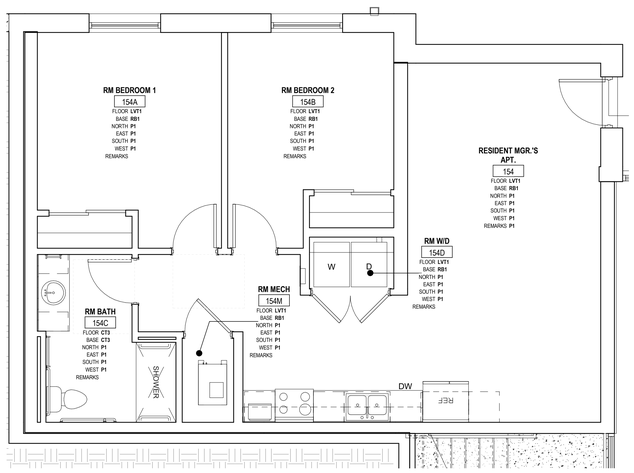
2 RESIDENT MANAGER APARTMENT - RCP
1/4" = 1'-0"



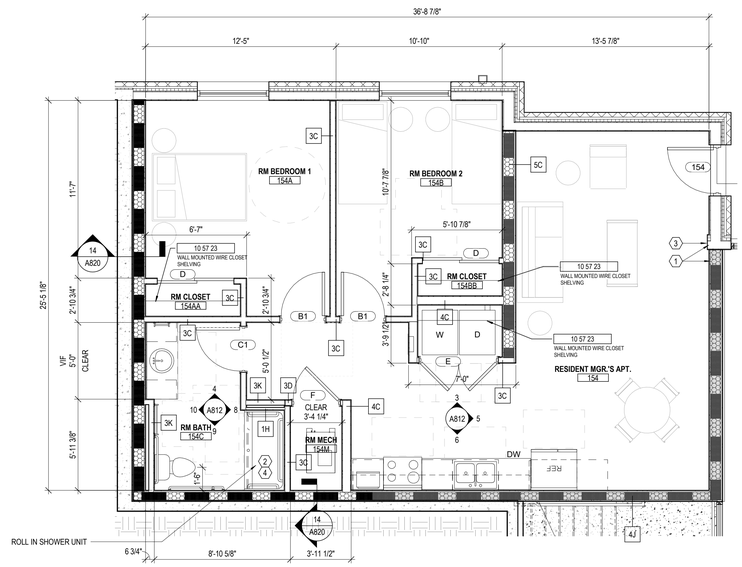
8 RM APARTMENT- BATH
1/4" = 1'-0"



4 RM APARTMENT - BATH
1/4" = 1'-0"



7 FINISH PLAN - RESIDENT MANAGER APT
1/4" = 1'-0"



1 LEVEL 00 - RESIDENT MANAGER APT - PLAN
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
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9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
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    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

- 1 HOUR FIRE RATED PARTITION TO DECK
- 2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
06 41 00.B1	PLASTIC LAMINATE CASEWORK
08 31 00.A1	ACCESS DOOR AND FRAME
10 28 00.B2	TOWEL BAR
10 28 00.C1	GRAB BAR
10 28 00.E1	FRAMED MIRROR
10 57 23	WALL MOUNTED WIRE CLOSET SHELVING
12 36 00.A1	SOLID SURFACE COUNTERTOP
22 40 00.D3	PRE-FABRICATED TUB AND SHOWER

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: COMMON AREA VANITY TOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

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5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL, UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
- AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR RECESSED CAN LIGHT
- OR SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

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A KATERRA COMPANY
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Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

RM APARTMENT

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

CURTIS J. MOODY REGISTERED NO. 4296 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A812

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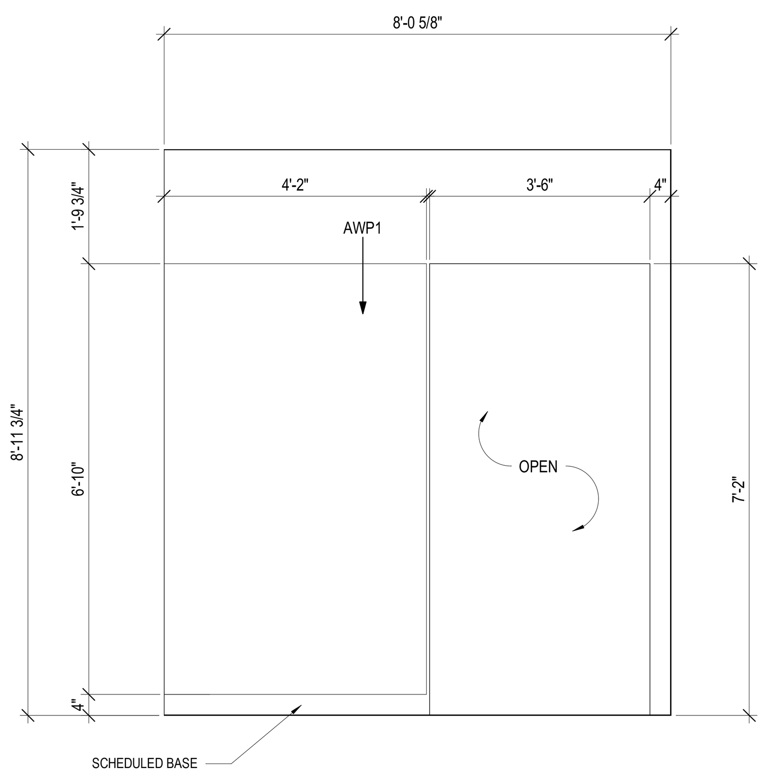
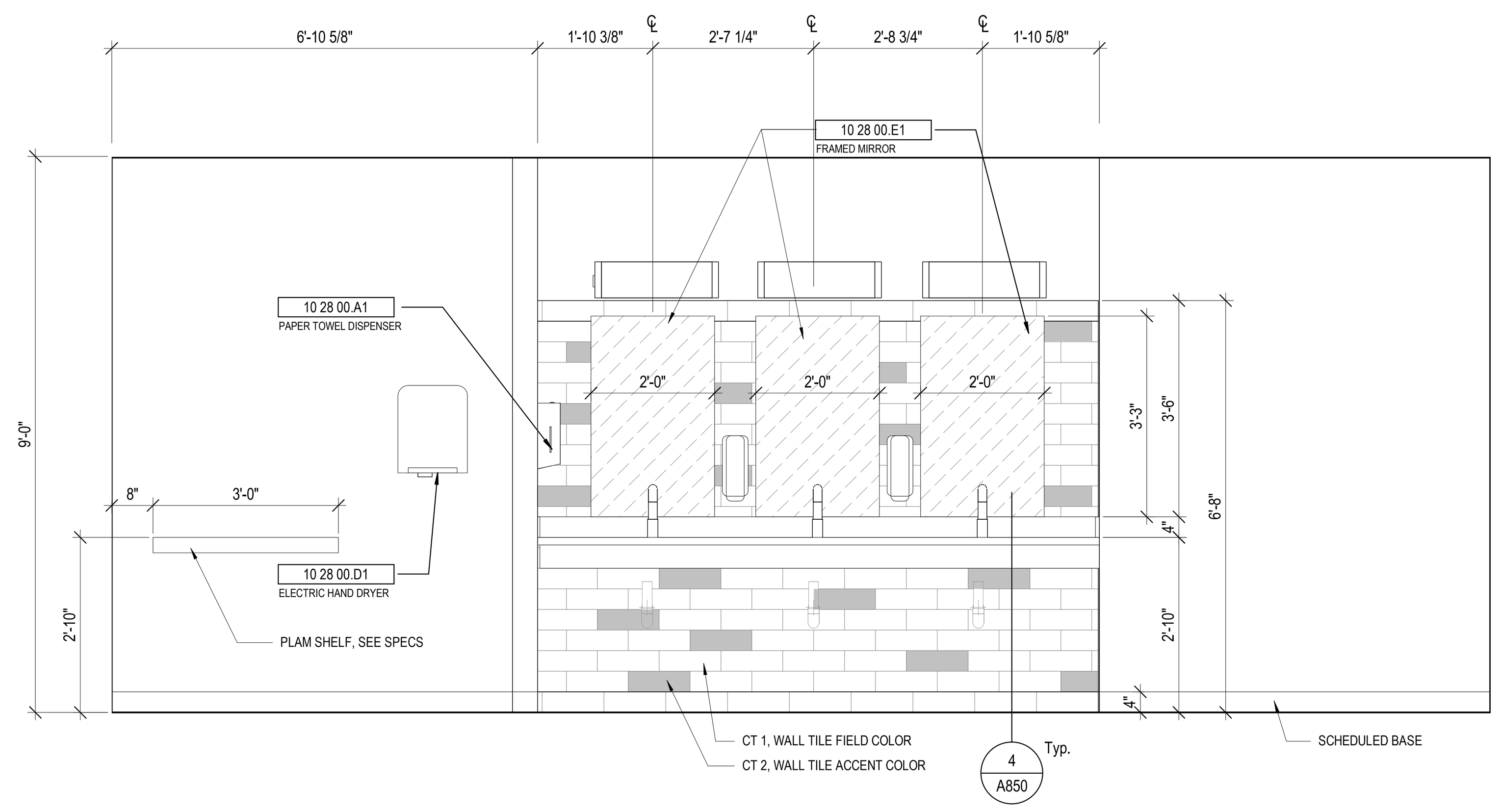


2 WOMEN'S RESTROOM-1
1/2" = 1'-0"



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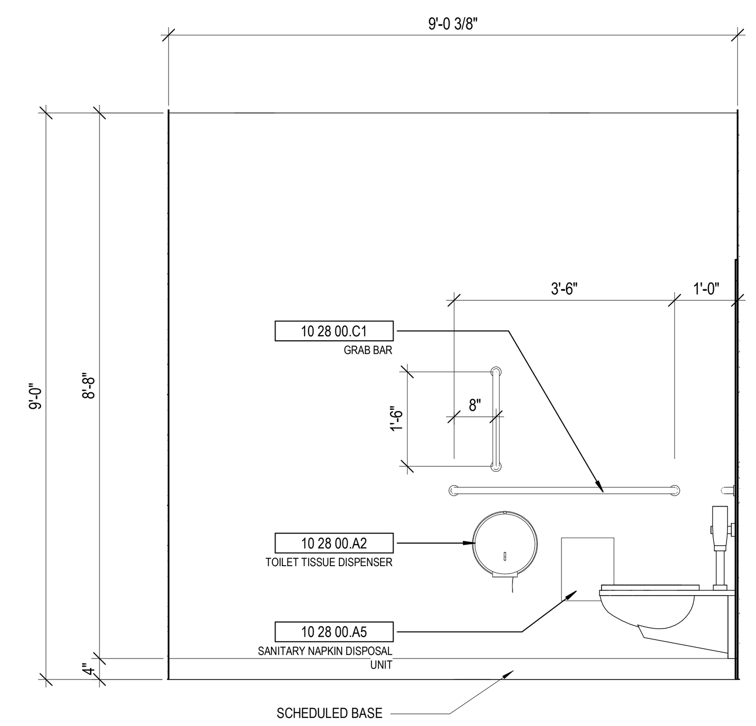
1/2" = 1'-0"



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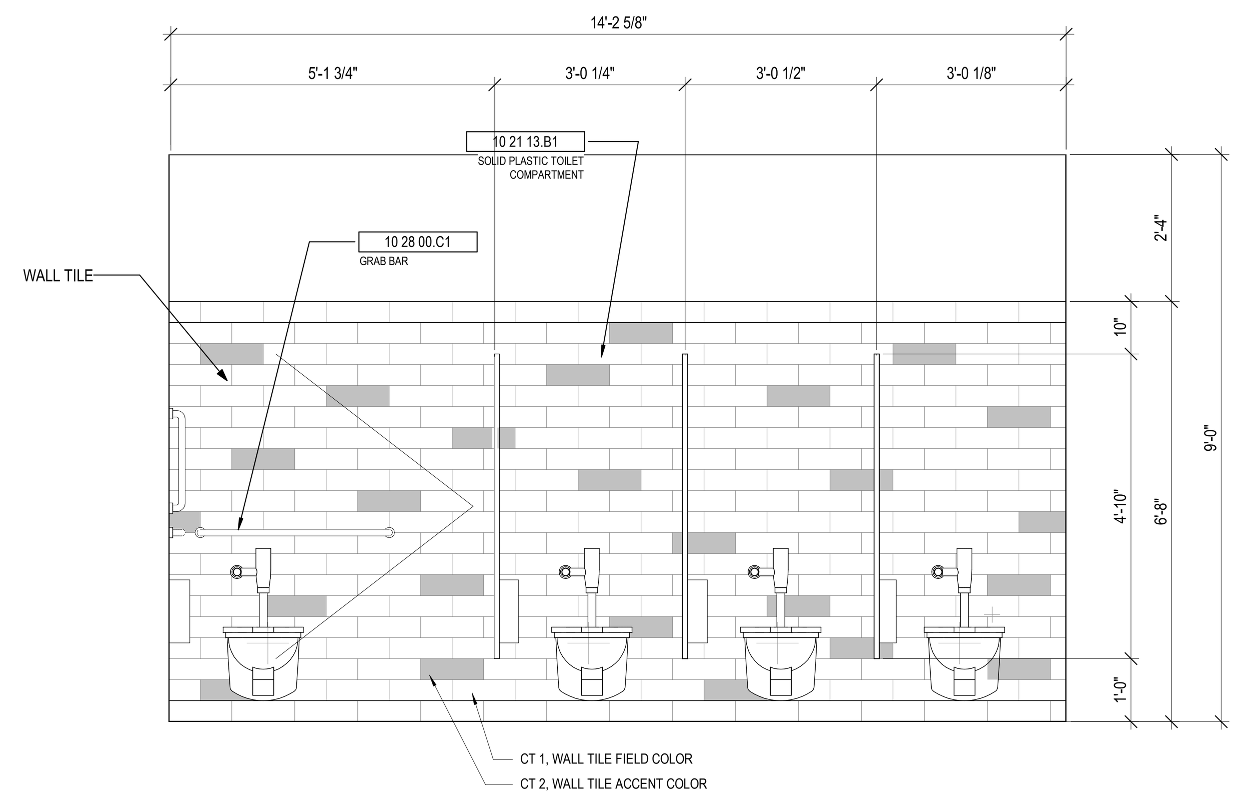
1/2" = 1'-0"



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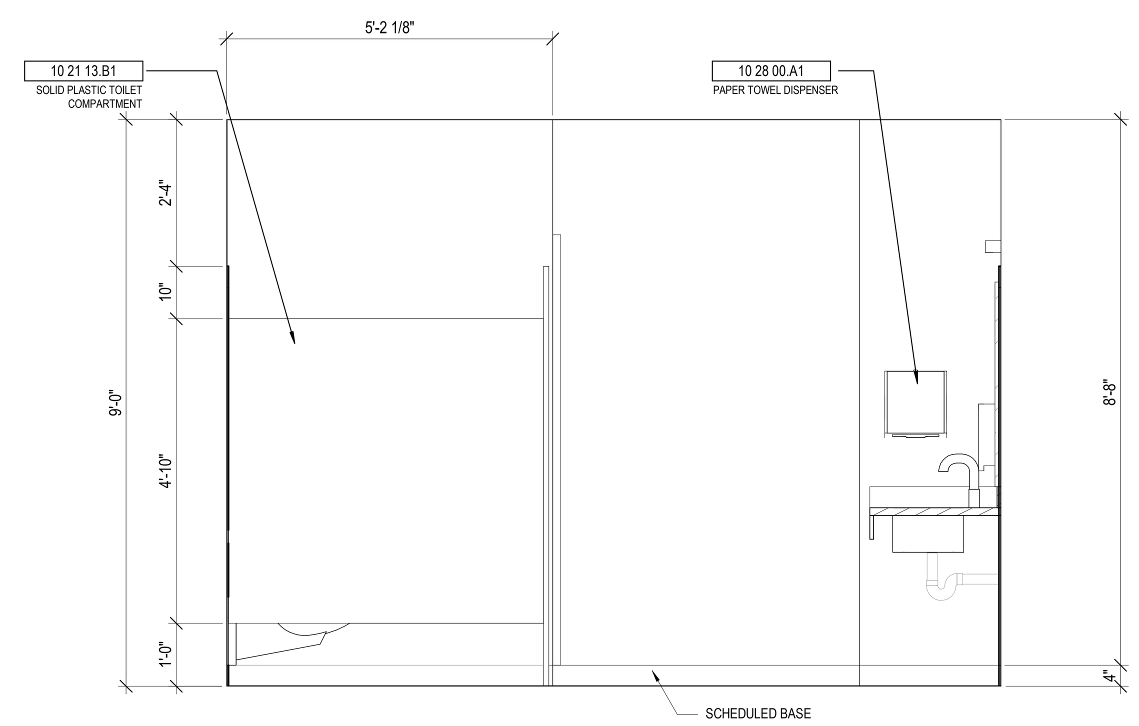
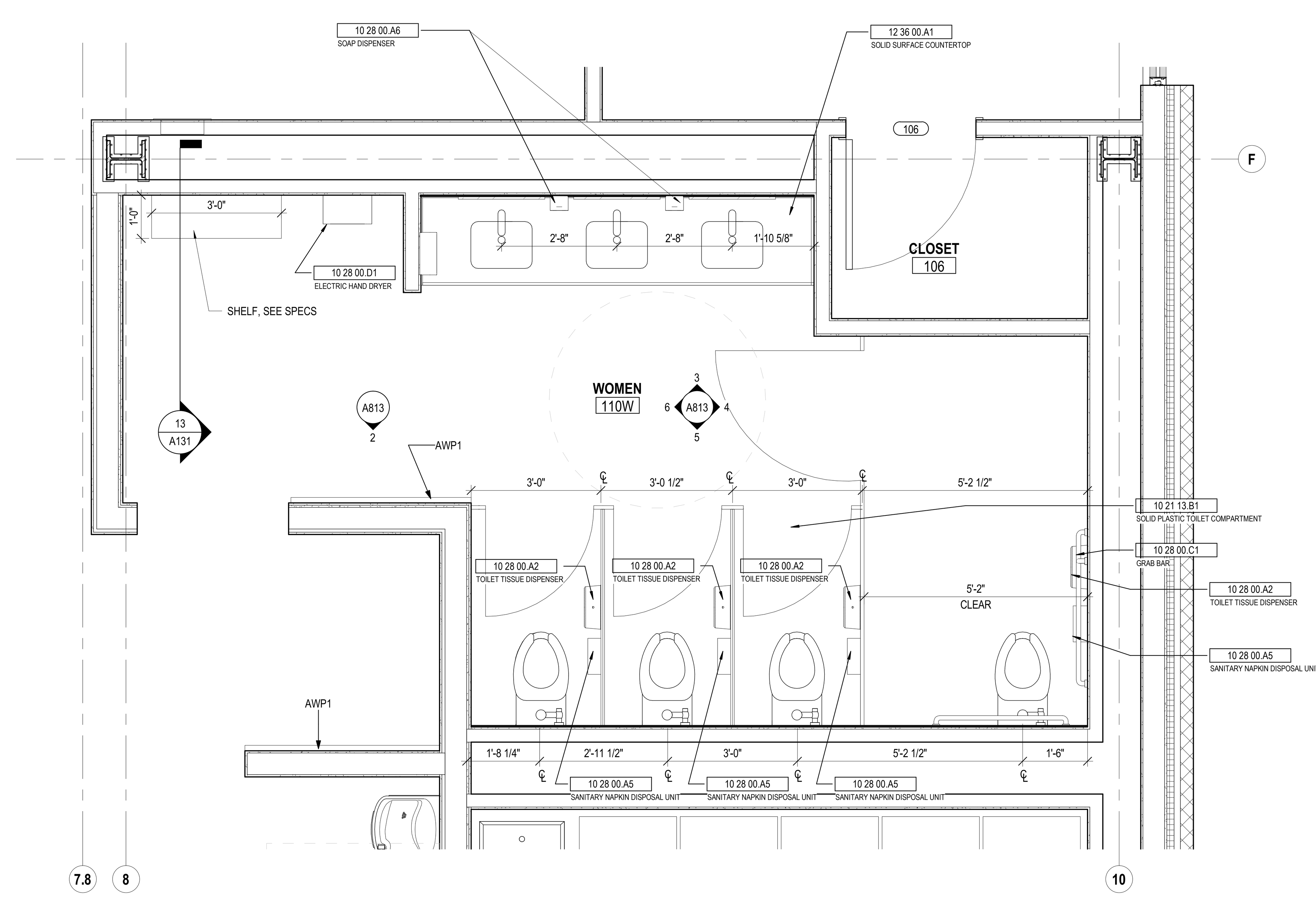
1/2" = 1'-0"



6 WOMEN'S RESTROOM-5
1/2" = 1'-0"



1 WOMEN'S RESTROOM
1/2" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**.
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

1 HOUR FIRE RATED PARTITION TO DECK

2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 21 13.B1	SOLID PLASTIC TOILET COMPARTMENT
10 28 00.A1	PAPER TOWEL DISPENSER
10 28 00.A2	TOILET TISSUE DISPENSER
10 28 00.A5	SANITARY NAPKIN DISPOSAL UNIT
10 28 00.A6	SOAP DISPENSER
10 28 00.C1	GRAB BAR
10 28 00.D1	ELECTRIC HAND DRYER
10 28 00.E1	FRAMED MIRROR
12 36 00.A1	SOLID SURFACE COUNTERTOP

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO MHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A,9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
   BEAM ALONG GRIDLINE E.
   BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING

AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2

E1 EXPOSED STRUCTURE ABOVE

G1 GYPSUM BOARD CEILING OR SOFFIT

WD1 WOOD SLAT CEILING SYSTEM

2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

OR OR — RECESSED CAN LIGHT

OR — SURFACE MOUNTED LIGHT

LINEAR COVE LIGHT

EXIT LIGHT WITH DIRECTIONAL ARROW

EXIT LIGHT

SUPPLY DIFFUSER

LINEAR DIFFUSER

EXHAUST/RETURN GRILLE

SPEAKER

XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS. OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
ENLARGED PLAN - WOMEN'S RESTROOM

JANUARY 30, 2020
DRAWN BY: Author CHECKED BY: Checker
#18237

CURTIS J. MOODY — REGISTERED NO. 4996 — COMMONWEALTH OF KENTUCKY — ARCHITECT

A813

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PRINT DATE: 2/6/2020 5:17:06 PM
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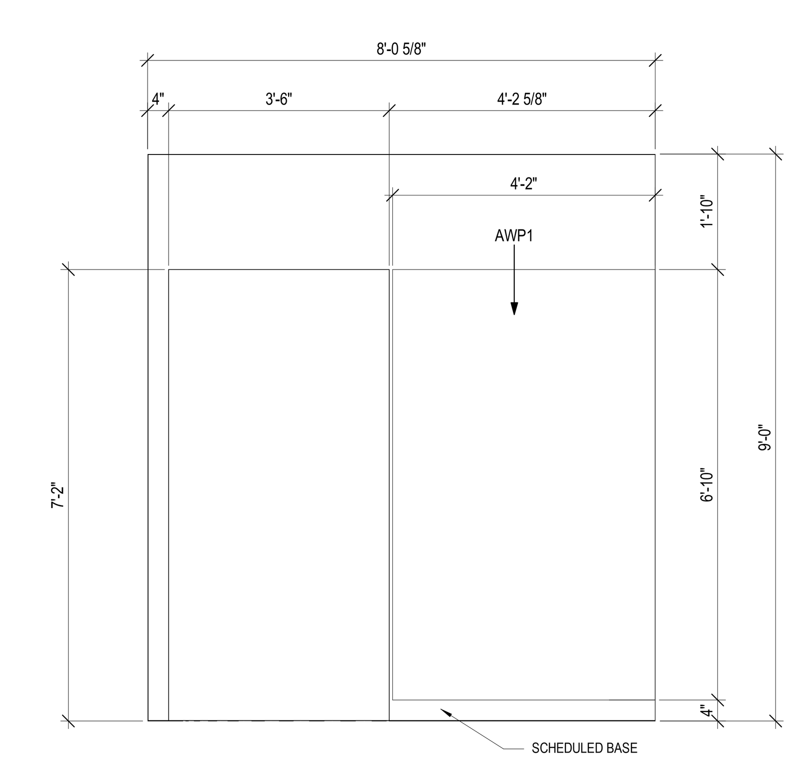
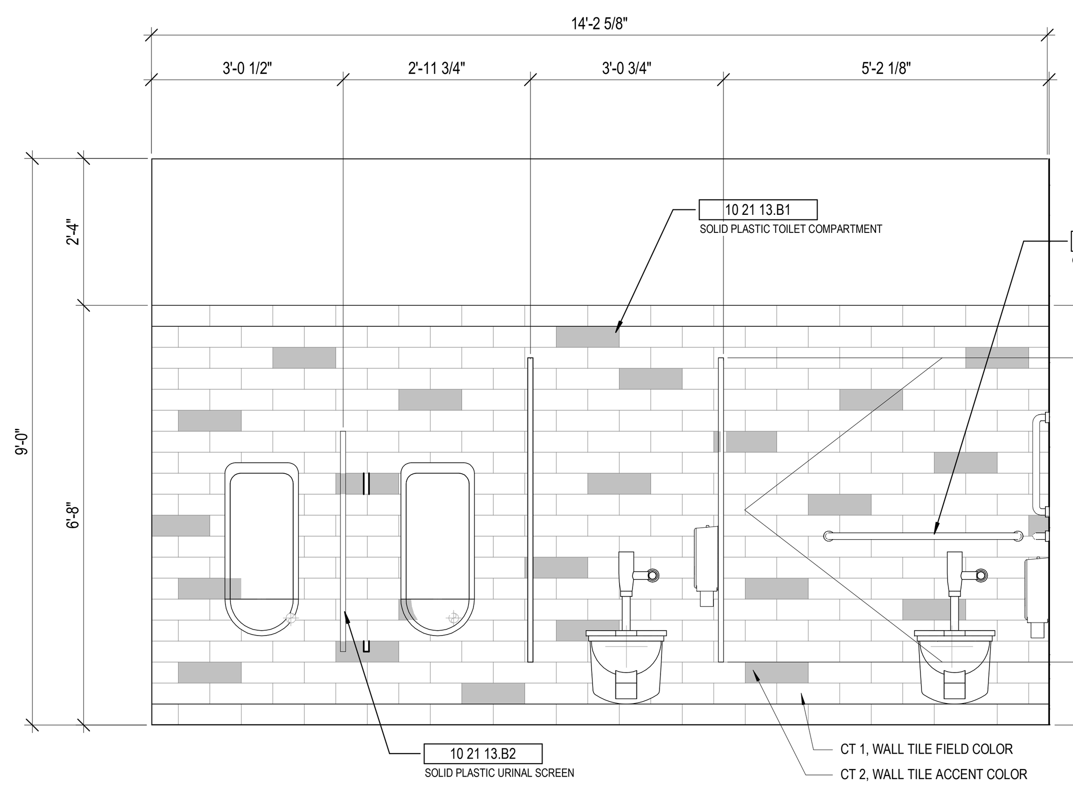


2 MEN'S RESTROOM - 1

1/2" = 1'-0"



3 MEN'S RESTROOM - 2

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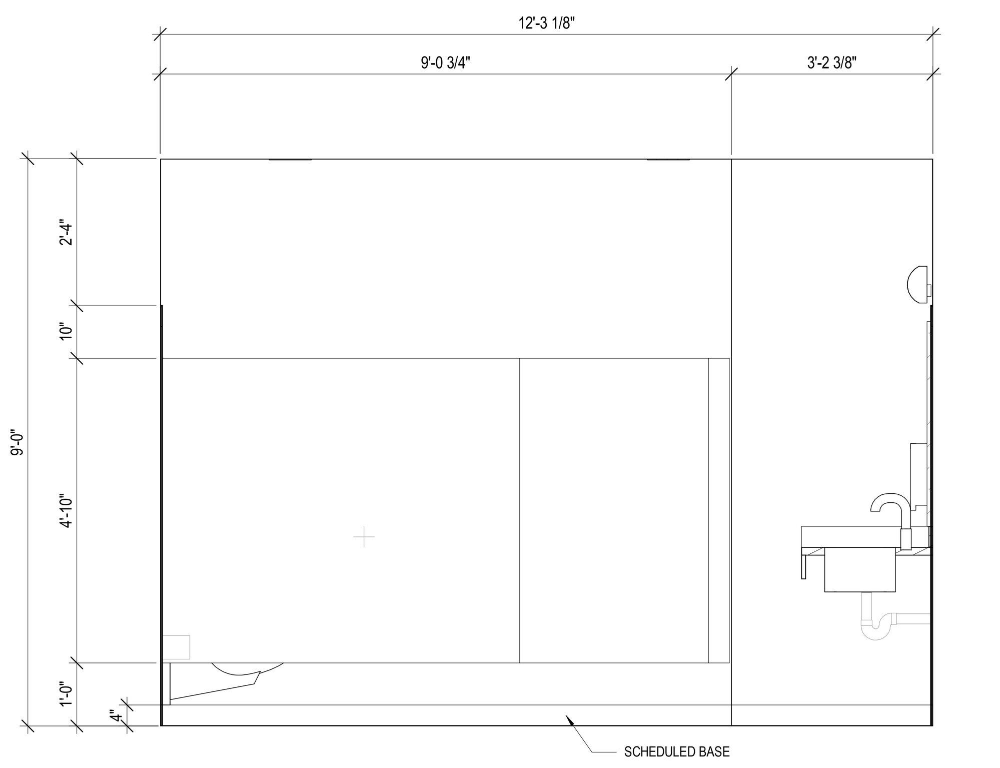

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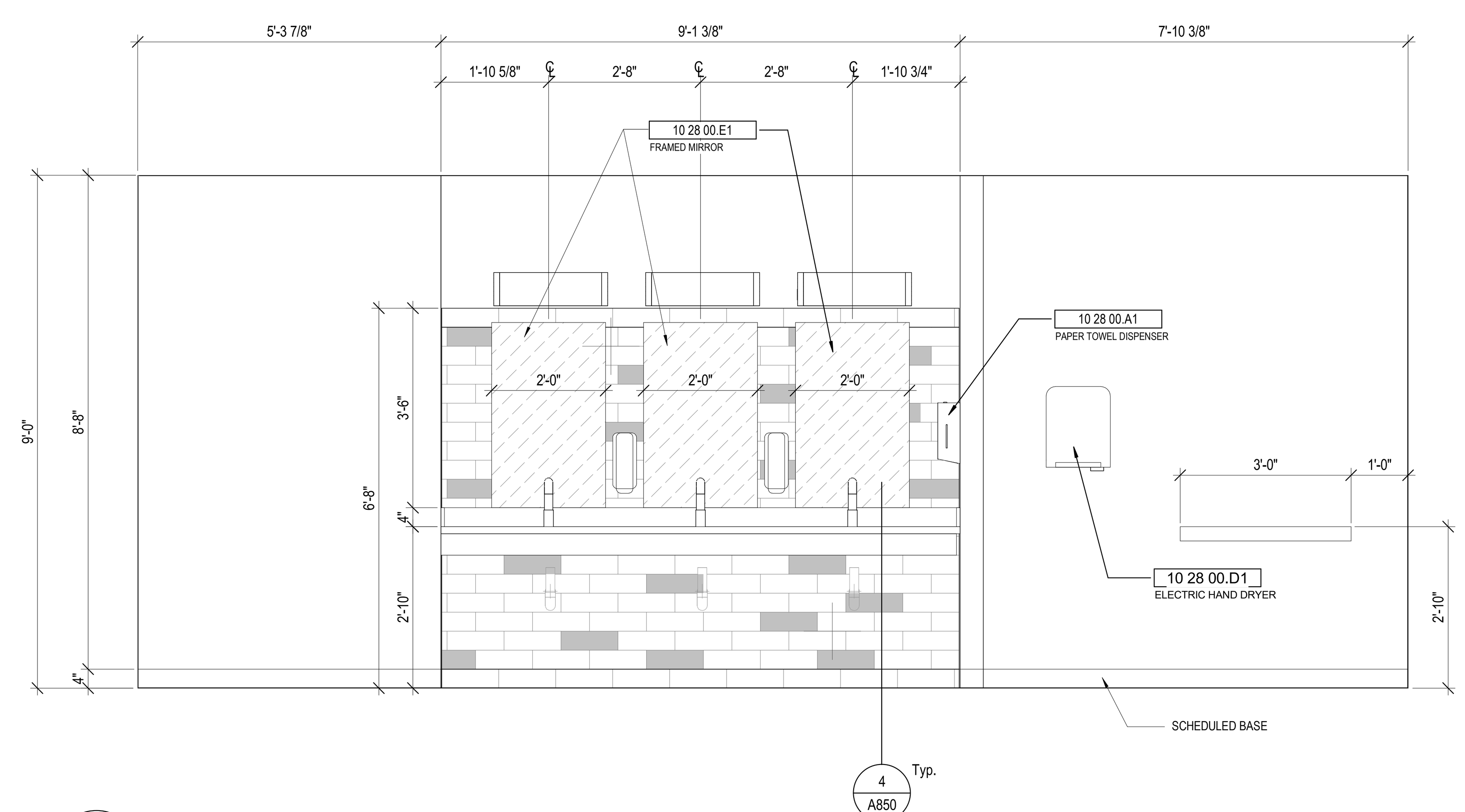

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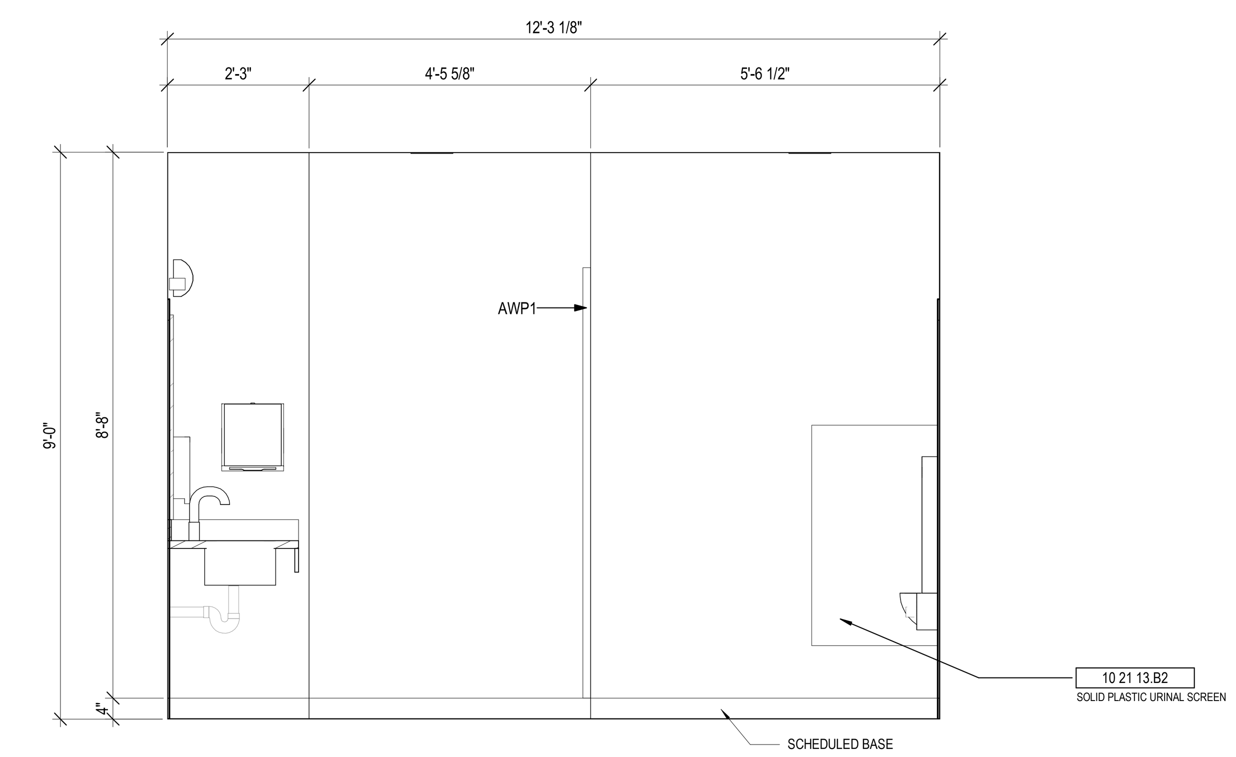
1/2" = 1'-0"



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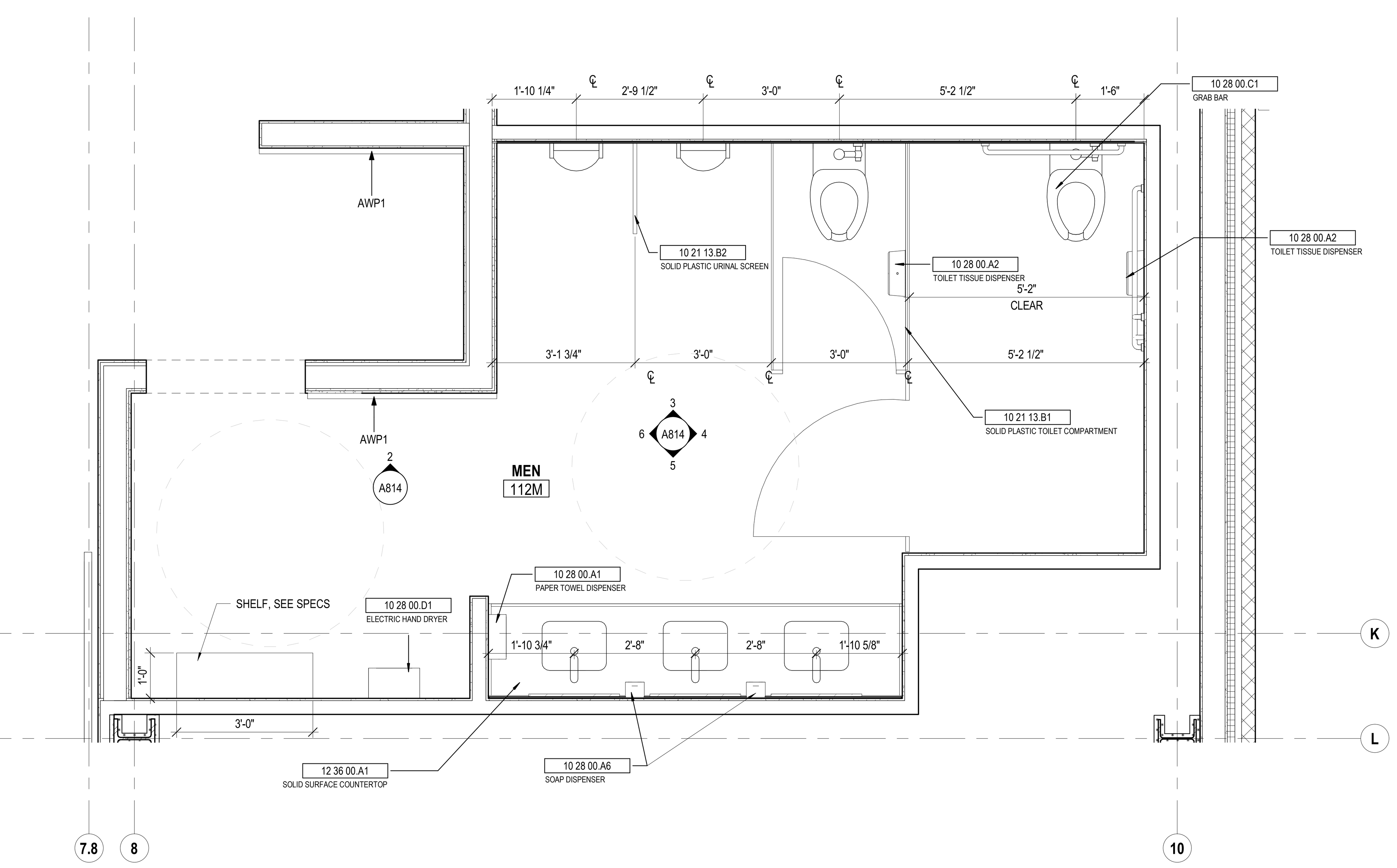

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RATED WALL LEGEND

1 HOUR FIRE RATED PARTITION TO DECK

2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 21 13.B1	SOLID PLASTIC TOILET COMPARTMENT
10 21 13.B2	SOLID PLASTIC URINAL SCREEN
10 28 00.A1	PAPER TOWEL DISPENSER
10 28 00.A2	TOILET TISSUE DISPENSER
10 28 00.A6	SOAP DISPENSER
10 28 00.C1	GRAB BAR
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STATE OF KENTUCKY APPROVAL

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8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
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10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
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RCP LEGEND

AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING

AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2

E1 EXPOSED STRUCTURE ABOVE

G1 GYPSUM BOARD CEILING OR SOFFIT

WD1 WOOD SLAT CEILING SYSTEM

2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

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1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)

OR OR — RECESSED CAN LIGHT

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EXIT LIGHT WITH DIRECTIONAL ARROW

EXIT LIGHT

SUPPLY DIFFUSER

LINEAR DIFFUSER

EXHAUST/RETURN GRILLE

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NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
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NORTHERN KENTUCKY UNIVERSITY

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A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
ENLARGED PLAN - MEN'S RESTROOM

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

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BID & PERMIT SUBMITTAL

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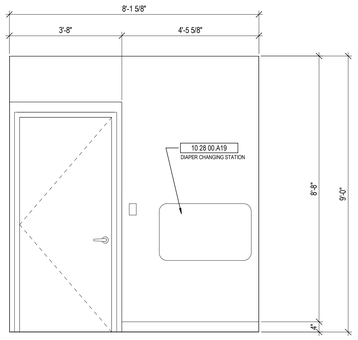
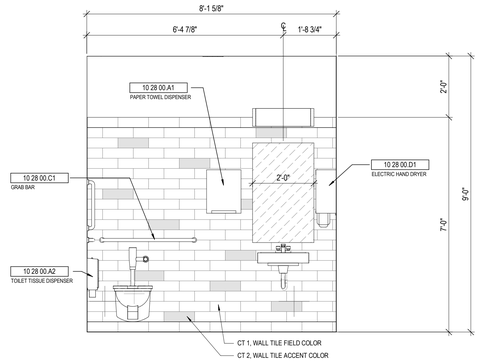


5 COMMON AREA RESTROOM - 4
1/2" = 1'-0"



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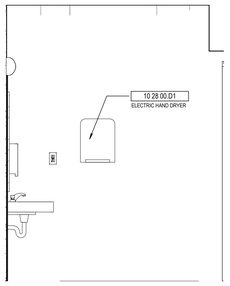
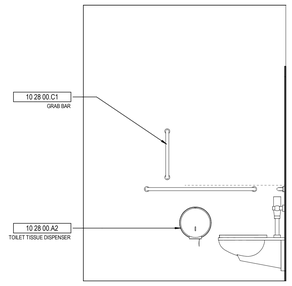


4 COMMON AREA RESTROOM - 3
1/2" = 1'-0"



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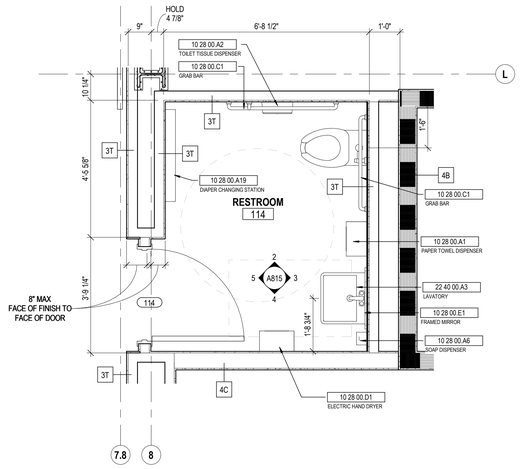
1/2" = 1'-0"



1 GENDER NEUTRAL/ FMAILY RESTROOM
1/2" = 1'-0"

GENERAL NOTES - ENLARGED PLANS

1. ALL DIMENSIONS ARE TO FACE OF FINISH (UNLESS NOTED OTHERWISE).
2. HINGE SIDE OF DOORS LOCATED 4" FROM NEAREST WALL U.N.O.
3. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION OF LOCATIONS AND TYPES OF FINISH MATERIALS.
4. SEE STRUCTURAL DRAWINGS FOR LOCATIONS OF ALL STEEL REINFORCING IN WALL & FLOOR CONSTRUCTION.
5. COORDINATE TRUSS LAYOUT SPACING AND BRACING DESIGN WITH MEP LAYOUTS PRIOR TO FABRICATION. PROVIDE COORDINATION DRAWINGS TO ARCHITECT. FRAMING CONTRACTOR SHALL COORDINATE TRUSS FRAMING OFFSETS AS REQUIRED TO ACCOMODATE SANITARY LINES AND OTHER MEP EQUIPMENT/FIXTURES.
6. EXTERIOR WALL ASSEMBLIES VARY. REFER TO BUILDING PLAN SHEETS - A100 SERIES - FOR EXTERIOR WALL, DOOR , AND WINDOW CONDITIONS.
7. SEE ELEVATIONS AND STRUCTURAL DRAWINGS FOR LOCATIONS OF EXPANSION & CONTROL JOINTS. CONTRACTOR SHALL PROVIDE ADDITIONAL INTERIOR CONTROL JOINTS AS REQUIRED TO COMPLY WITH MAXIMUM SPACING REQUIREMENTS IN SPECIFICATIONS AND NATIONAL MASONRY INSTITUTE. SEE DETAILS ON **G007**
8. RESIDENTIAL UNITS: REQUIREMENTS FOR ACCESSIBLE UNITS & ANSI TYPE B SHALL BE SATISFIED AS UNIT TYPES ARE INDICATED ON THIS SHEET.
9. SEE SHEETS **G200** FOR TYPICAL CLEARANCE REQUIREMENTS AT BATHROOMS AND KITCHENS
10. SEE SHEET **G201** FOR TYPICAL MOUNTING HEIGHTS OF PLUMBING FIXTURES, TOILET ACCESSORIES, AND BLOCKING. SEE PLUMBING DRAWINGS FOR EXACT DIMENSIONS REQUIRED.
11. RESIDENTIAL UNIT TYPES:
    "ACCESSIBLE UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "ACCESSIBLE UNITS" SHALL BE PROVIDED ON LEVELS 1-4 PER THE UNIT DESIGNATIONS SHOWN IN THE DRAWINGS.
    "TYPE B UNITS"
    THE ICC 117.1 REQUIREMENTS FOR "TYPE B UNITS" SHALL BE PROVIDED ON EACH LEVEL FOR EACH UNIT NOT ALREADY DESIGNATED AS "ACCESSIBLE UNIT"
12. PROVIDE WOOD BLOCKING IN ALL UNITS TO MOUNT MILLWORK, MEP DEVICES, AND ALL FIXTURES.
13. PROVIDE WOOD BLOCKING IN ALL UNITS FOR BOTH FUTURE & CURRENT GRAB BARS AT TOILET AND SHOWER LOCATIONS.
    WHERE PREFAB SHOWER UNITS ARE INSTALLED, THEY SHALL INCLUDE FACTORY INSTALLED IN-UNIT BLOCKING FOR FUTURE GRAB BAR INSTALLATION. PROVIDE AND COORDINATE ADDITIONAL IN-WALL BLOCKING LOCATIONS WITH UNIT PURCHASED. COORDINATE ROUGH FRAMING DIMENSIONS WITH UNIT PURCHASED.
14. EXTEND FLOOR AND WALL FINISHES BEHIND AND BENEATH KITCHEN & BATHROOM CASEWORK. ALL EXPOSED FACES OF REMOVABLE CABINETS AND END PANELS SHALL BE FINISHED TO MATCH THE FRONT FACE OF THE SAME CABINET.
15. PROVIDE MIRRORS AS SHOWN IN THE PLANS AND ELEVATIONS. SEE SPECIFICATIONS FOR ALL OTHER ACCESSORIES.
16. SEE FINISH SCHEDULE FOR WINDOW TREATMENTS INFORMATION.
17. WATER CLOSETS WITHIN ACCESSIBLE UNITS SHALL HAVE THE FLUSH CONTROL LOCATED ON THE OPEN SIDE (AWAY FROM THE SIDE WALL).
18. ALL MEP OPERABLE CONTROLS, FIXTURES, OUTLETS AND ALL OTHER RESIDENTIAL TOILET OR UNIT ACCESSORIES SHALL BE MOUNTED NO LOWER THAN 18" AFF AND 48" AFF.
19. ALL APPLIANCES EXCEPT THOSE NOTED BELOW WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED:
    - RANGE HOOD - PROVIDE DUCTLESS MODEL, COORD. FINISH WITH OWNER.
    - DISHWASHER (AT RM APARTMENT) - PROVIDE GE OR SIMILAR, ADA COMPLIANT MODEL, COORD. FINISH WITH OWNER.
20. SEE SHEET **A823** FOR TUB AND SHOWER FINISH DETAILS

CODED NOTE LEGEND

1. ALIGN FINISH FACE OF WALLS.
2. COORDINATE BLOCKING FOR GRAB BARS AND OTHER ACCESSORIES WITH TUB/SHOWER MFR
3. PROVIDE BLOCKING, POWER, & DATA FOR OFOI TV & MOUNTING BRACKET. CONFIRM LOCATION WITH OWNER. SEE SHEET **A930**
4. COORDINATE FRAMING DIMENSIONS WITH SHOWER UNIT MFR

RATED WALL LEGEND

1 HOUR FIRE RATED PARTITION TO DECK

2 HOUR FIRE RATED PARTITION TO DECK

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10 28 00.A1	PAPER TOWEL DISPENSER
10 28 00.A2	TOILET TISSUE DISPENSER
10 28 00.A6	SOAP DISPENSER
10 28 00.A19	DIAPER CHANGING STATION
10 28 00.C1	GRAB BAR
10 28 00.D1	ELECTRIC HAND DRYER
10 28 00.E1	FRAMED MIRROR
22 40 00.A3	LAVATORY

STATE OF KENTUCKY APPROVAL

RCP GENERAL NOTES

1. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFORMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
2. LIGHT FIXTURES SHOWN TO INDICATE PROPOSED FIXTURES & GENERAL DESIGN INTENT.
3. FINISHED CEILING HEIGHTS ARE MARKED FROM TOP OF FINISH FLOOR (UNLESS NOTED OTHERWISE).
4. COORDINATE LOCATION OF FIXTURES WITH MECHANICAL, ELECTRICAL, PLUMBING, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS. ANY CONFLICT BETWEEN TRADES, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
5. FACE OF BULKHEADS ARE TO ALIGN WITH FACE OF ADJACENT WALLS TO WHICH BULKHEADS ARE PARALLEL , UNLESS NOTED OTHERWISE OR DIMENSIONED.
6. ALL GYPSUM BOARD SOFFITS & CEILINGS TO BE PAINTED FLAT CEILING WHITE (UNLESS NOTED OTHERWISE).
7. ALL GYPSUM SOFFITS IN FOOD SERVICE AREAS TO BE PAINTED WITH A SATIN NFINISH.
8. PAINT DUCTWORK INSIDE AIR GRILLES FLAT BLACK.
9. CEILING GRIDS ARE CENTERED ON ROOM, U.N.O. OR DIMENSIONED.
10. WHERE EXIT SIGNS OCCUR OVER A DOOR OR PAIR OF DOORS, CENTER SIGN ON DOOR OPENING.
11. ALL CEILING DEVICES TO BE CENTERED IN TILE, U.N.O.

CODED NOTE LEGEND

1. ALIGN FINISHES
2. OPEN TO ABOVE
3. PAINT EXPOSED CEILINGS & BULKHEADS ABOVE WOOD CEILING SYSTEM. SEE FINISH SCHEDULE FOR COLOR.
4. INTUMESCENT FIREPROOFING SHALL BE APPLIED TO:
   1) COLUMN (A.9) FROM LEVEL 00 TO LEVEL 02
   2) THESE BEAMS WITHIN THE LOBBY:
      BEAM ALONG GRIDLINE E
      BEAM ALONG GRID 8 FROM GRID F TO GRID D.

RCP LEGEND

- AC1 ACOUSTIC CEILING TYPE 1: 2'x2' LAY-IN CEILING
- AC2 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 1
  AC3 SUSPENDED ACOUSTIC CLOUD CEILINGS COLOR 2
- E1 EXPOSED STRUCTURE ABOVE
- G1 GYPSUM BOARD CEILING OR SOFFIT
- WD1 WOOD SLAT CEILING SYSTEM
- 2x2 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 2x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x4 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- 1x8 FLUORESCENT LIGHT FIXTURE (SHADING DENOTES EMERGENCY FIXTURE)
- OR OR OR — RECESSED CAN LIGHT
- OR — SURFACE MOUNTED LIGHT
- LINEAR COVE LIGHT
- EXIT LIGHT WITH DIRECTIONAL ARROW
- EXIT LIGHT
- SUPPLY DIFFUSER
- LINEAR DIFFUSER
- EXHAUST/RETURN GRILLE
- SPEAKER
- XX XX'-XX" — CEILING TAG WITH HEIGHT

NOTE: COORDINATE ARCHITECTURAL REFLECTED CEILING PLANS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS FOR NUMBER OF, AND LOCATIONS, OF, AND TYPES OF FIXTURES AND GRILLES. NOT ALL ITEMS SHOWN ON LEGEND MAY BE PRESENT IN PROJECT.

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
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DRAWING TITLE:
ENLARGED PLAN - GENDER NEUTRAL/FAMILY RESTROOM

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: Checker

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A815

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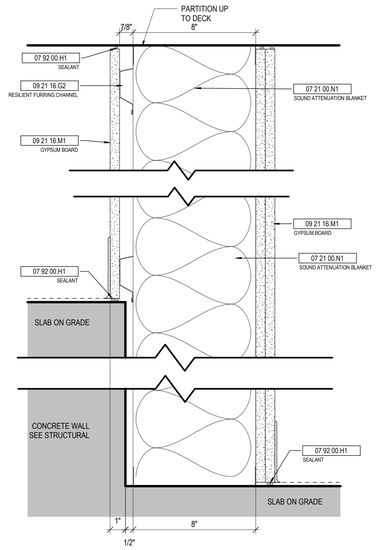
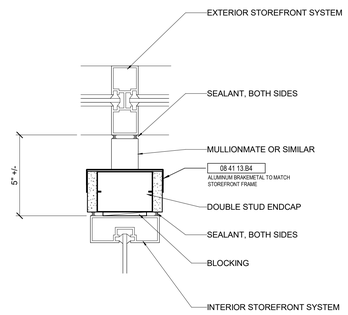


14 DETAIL SECTION AT DEMISING WALL - RM APARTMENT
3" = 1'-0" REF: 1 / A001



10 DETAIL STOREFRONT INTERSECTION DETAIL
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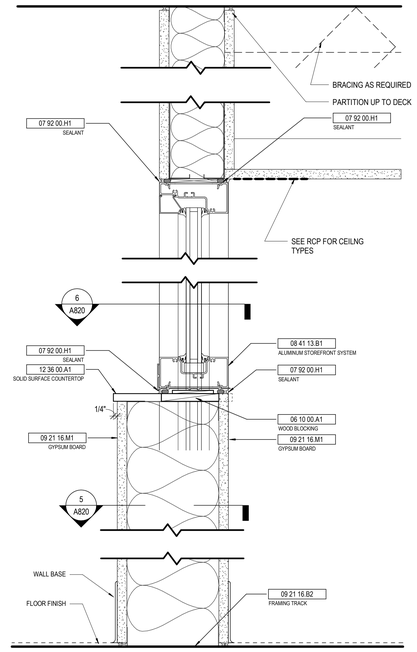

7 DETAIL SECTION AT INTERIOR STOREFRONT
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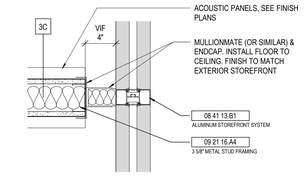
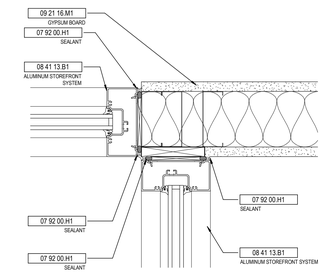
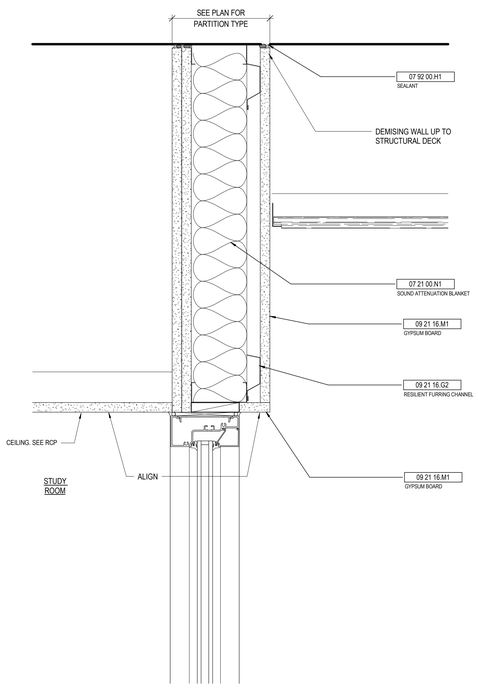


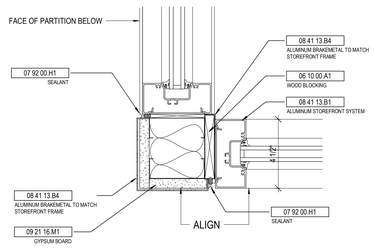
4 DETAIL MULLION DETAIL AT STUDY
1 1/2" = 1'-0" REF: 1 / A120



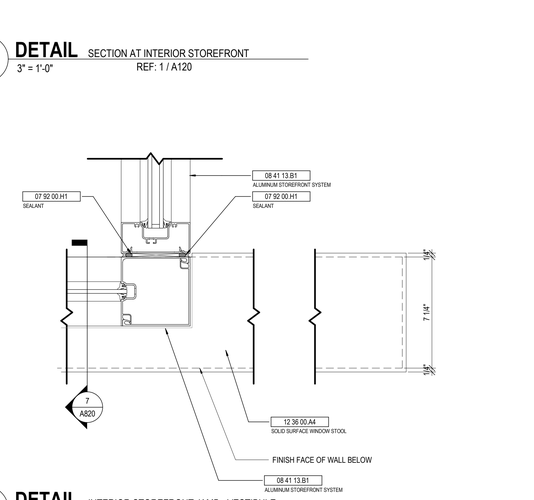
3 DETAIL INTERIOR STOREFRONT JAMB - VESTIBULE
3" = 1'-0" REF: 1 / A120



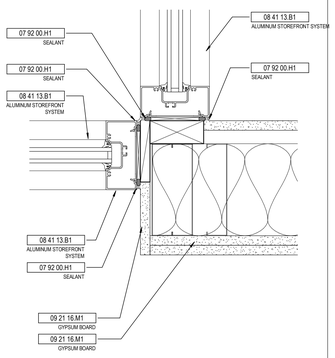
12 DETAIL ACOUSTIC PARTITION AT STUDY STOREFRONT
3" = 1'-0" REF: 3 / A223



9 DETAIL INTERIOR STOREFRONT JAMB - STUDY ROOM
3" = 1'-0" REF: 1 / A120



6 DETAIL INTERIOR STOREFRONT JAMB - VESTIBULE
3" = 1'-0" REF: 1 / A120



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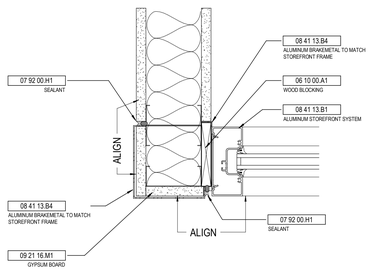

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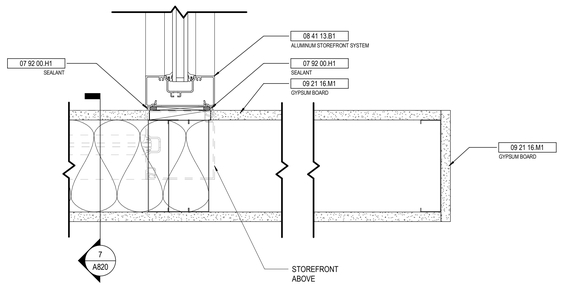

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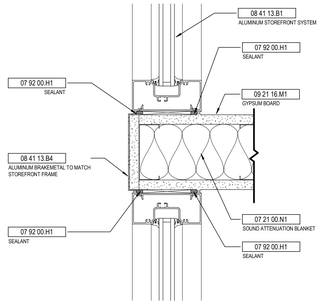

1 DETAIL INTERIOR STOREFRONT JAMB - STUDY ROOM
3" = 1'-0" REF: 1 / A120

STATE OF KENTUCKY APPROVAL

KEY VALUE	KEYNOTE TEXT
06 10 00.A1	WOOD BLOCKING
07 21 00.N1	SOUND ATTENUATION BLANKET
07 92 00.H1	SEALANT
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
08 41 13.B4	ALUMINUM BRAKEMETAL TO MATCH STOREFRONT FRAME
09 21 16.A4	3 5/8" METAL STUD FRAMING
09 21 16.B2	FRAMING TRACK
09 21 16.G2	RESILIENT FURRING CHANNEL
09 21 16.M1	GYPSUM BOARD
12 36 00.A1	SOLID SURFACE COUNTERTOP
12 36 00.A4	SOLID SURFACE WINDOW STOOL

#	DATE	CHANGE DESCRIPTION

NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
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HIGHLAND HEIGHTS, KY 41099
FOR
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DRAWING TITLE:

INTERIOR DETAILS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A820

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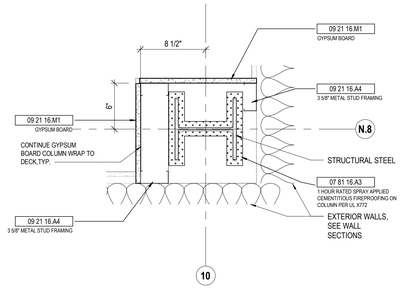
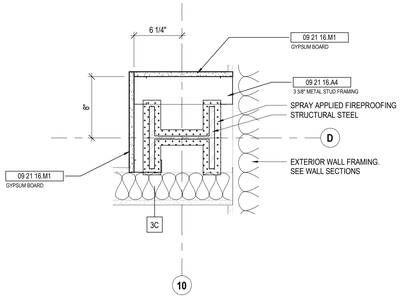


11 COLUMN WRAP
1 1/2" = 1'-0"



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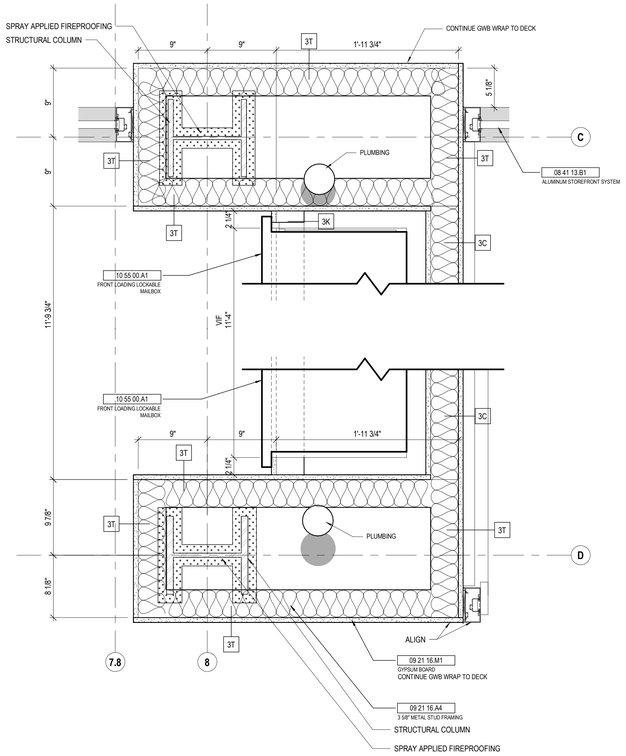
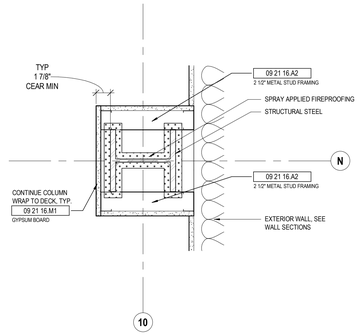
1 1/2" = 1'-0"





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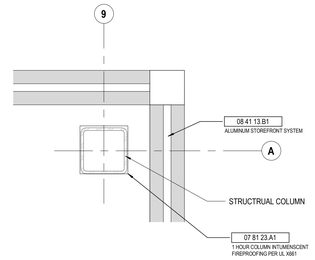
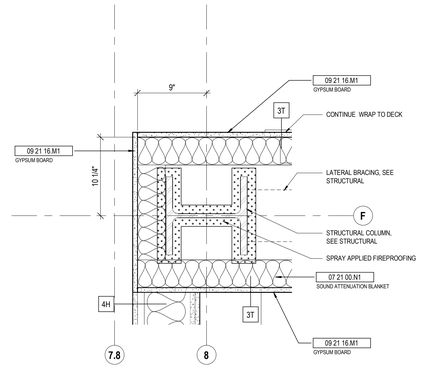
1 1/2" = 1'-0"



6 INTUMESCENT PAINT AT COLUMN
1 1/2" = 1'-0"



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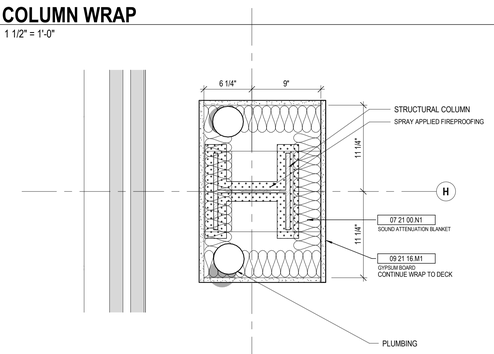
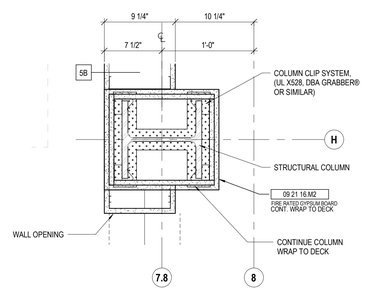


3 COLUMN WRAP
1 1/2" = 1'-0"

2 TYPICAL COLUMN WRAP
1 1/2" = 1'-0"



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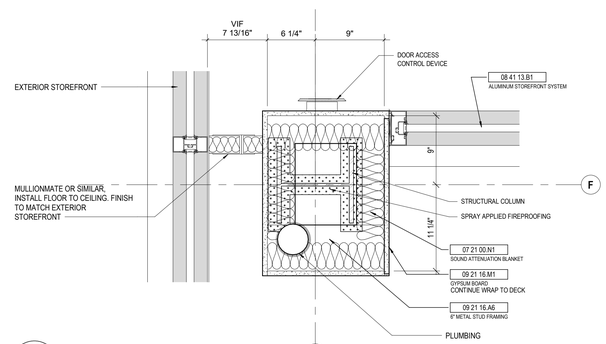

1 COLUMN WRAP
1 1/2" = 1'-0"

STATE OF KENTUCKY APPROVAL

KEY VALUE	KEYNOTE TEXT
07 21 00.N1	SOUND ATTENUATION BLANKET
07 81 16.A3	1 HOUR RATED SPRAY APPLIED CEMENTITIOUS FIREPROOFING ON COLUMN PER UL X772
07 81 23.A1	1 HOUR COLUMN INTUMENSCENT FIREPROOFING PER UL X661
08 41 13.B1	ALUMINUM STOREFRONT SYSTEM
09 21 16.A2	2 1/2" METAL STUD FRAMING
09 21 16.A4	3 5/8" METAL STUD FRAMING
09 21 16.A6	6" METAL STUD FRAMING
09 21 16.M1	GYPSUM BOARD
09 21 16.M2	FIRE RATED GYPSUM BOARD
10 55 00.A1	FRONT LOADING LOCKABLE MAILBOX

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

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FOR
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INTERIOR DETAILS

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DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A821

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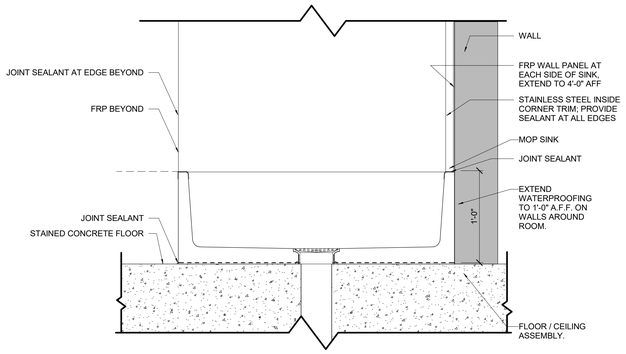
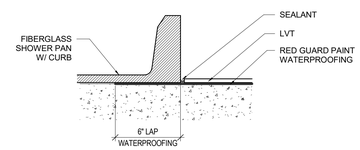
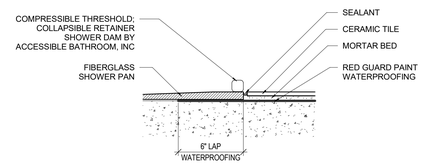


7 **DETAIL** MOP SINK DETAIL
1 1/2" = 1'-0" REF: 1 / A122

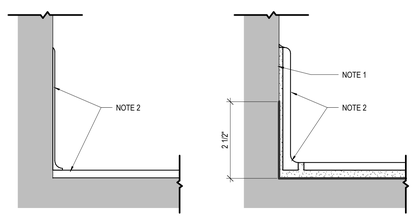


6 **DETAIL** STD SHOWER TRANS. - UNIT BATHROOM
3" = 1'-0"

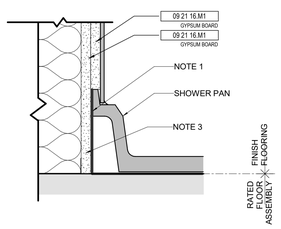


5 **DETAIL** ROLL-IN SHOWER TRANS. - UNIT BATHROOM
3" = 1'-0"

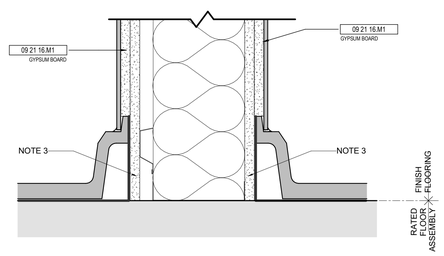
1. RED GUARD PAINT WATERPROOFING.
2. ACCESSIBLE SHOWER: THE FLOOR TILE SHALL NOT BE HIGHER THAN THE COVE OF THE BASE TILE.
   STANDARD (TYPE B) SHOWER: LVT FLOORING AND COVE BASE.
3. TYPICAL AT SHOWER PAN ALCOVE WALLS, THE FIRST GYPSUM WALLBOARD PLY MUST EXTEND PAST SHOWER PAN FLANGE TO MAINTAIN ACOUSTICAL SEPARATION AND WHERE DESIGNATED TO MAINTAIN RATED PARTITION ASSEMBLY.



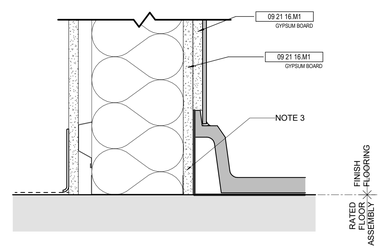
4 **DETAIL** TYPICAL BASE AT BATHROOM
6" = 1'-0"



3 **DETAIL** CAST SHOWER PAN AT NON-RATED WALL
3" = 1'-0"



2 **DETAIL** CAST SHOWER PAN AT RATED DEMISING WALL
3" = 1'-0"



1 **DETAIL** CAST SHOWER PAN AT RATED DEMISING WALL
3" = 1'-0"

PRINT DATE: 2/6/2020 5:18:02 PM
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STATE OF KENTUCKY APPROVAL

KEY VALUE	KEYNOTE TEXT
09 21 16.M1	GYPSUM BOARD

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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www.lordaecksargent.com

DRAWING TITLE:
INTERIOR DETAILS

JANUARY 30, 2020
DRAWN BY: **Author** CHECKED BY: **Checker**
#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A822

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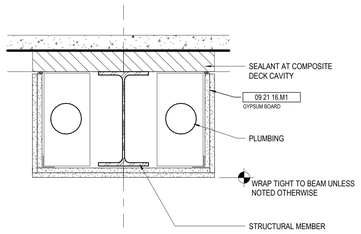
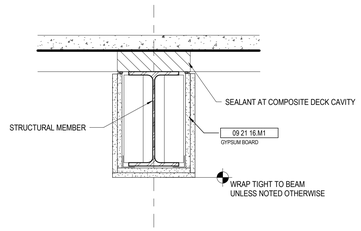
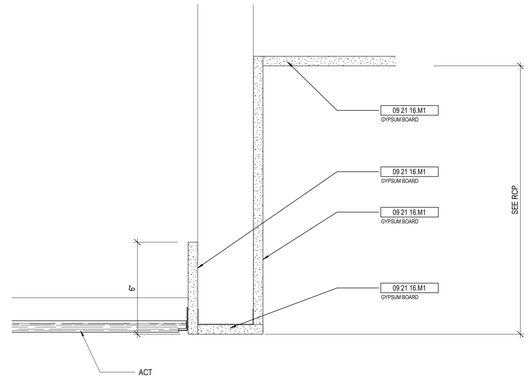


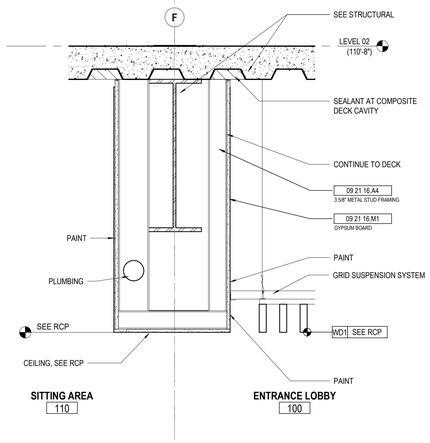
9 TYPICAL BEAM WRAP DETAIL AT PLUMB.
1 1/2" = 1'-0"



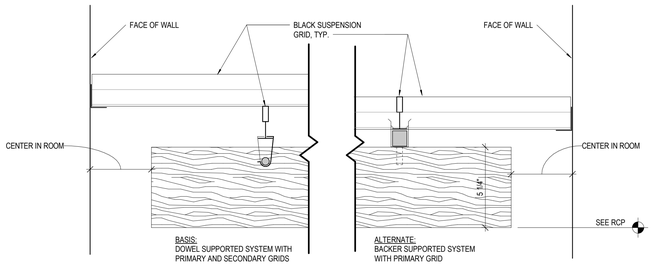
6 TYPICAL BEAM WRAP DETAIL
1 1/2" = 1'-0"



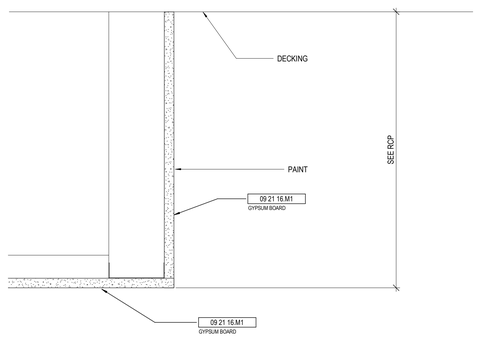
3 TYPICAL CEILING DETAIL
3" = 1'-0"



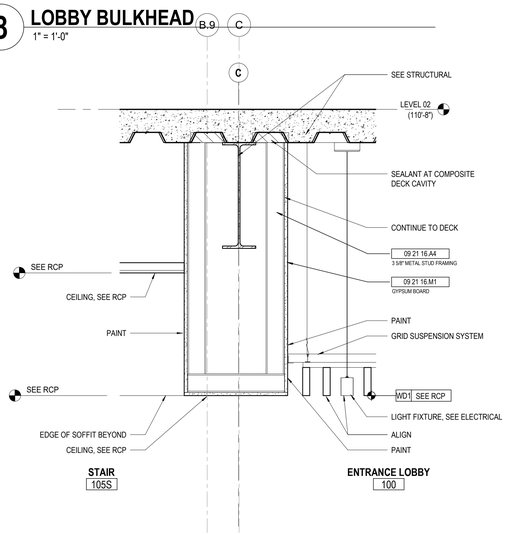
8 LOBBY BULKHEAD
1" = 1'-0"



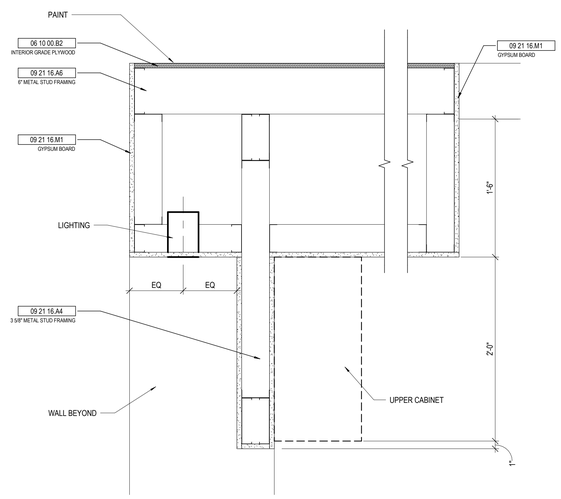
5 DETAIL WOOD CEILNG
3" = 1'-0"



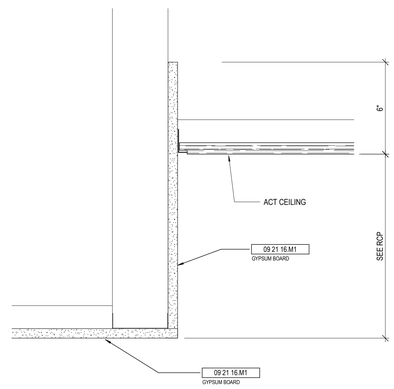
2 TYPICAL CEILING DETAIL
3" = 1'-0"



7 LOBBY BULKHEAD AT STAIR
1" = 1'-0"



4 SECTION DETAIL AT KITCHEN
1 1/2" = 1'-0"



1 TYPICAL CEILING DETAIL
3" = 1'-0"

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STATE OF KENTUCKY APPROVAL

KEY VALUE	KEYNOTE TEXT
06 10 00.B2	INTERIOR GRADE PLYWOOD
09 21 16.A4	3 5/8" METAL STUD FRAMING
09 21 16.A6	6" METAL STUD FRAMING
09 21 16.M1	GYPSUM BOARD

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

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DRAWING TITLE:
CEILING DETAILS

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A830

BID & PERMIT SUBMITTAL

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

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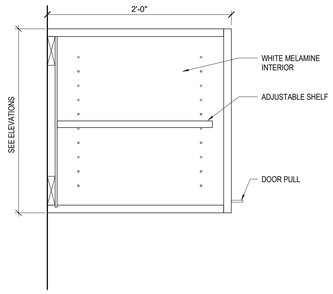
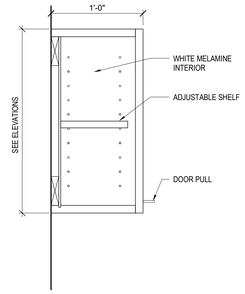
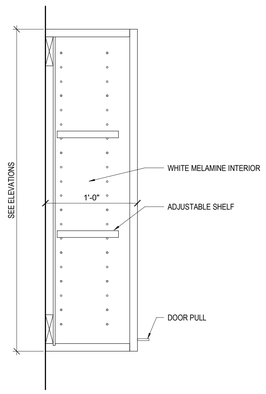


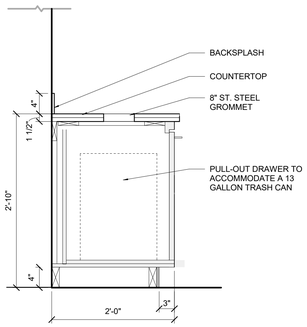
13 CASEWORK - WALL CABINET
1 1/2" = 1'-0"



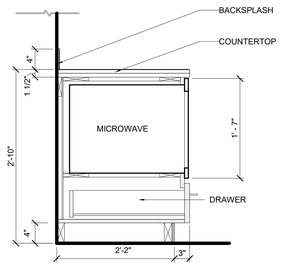
14 CASEWORK - WALL CABINET
1 1/2" = 1'-0"



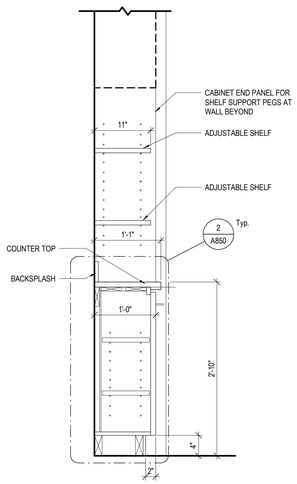
15 CASEWORK - WALL CABINET
1 1/2" = 1'-0"



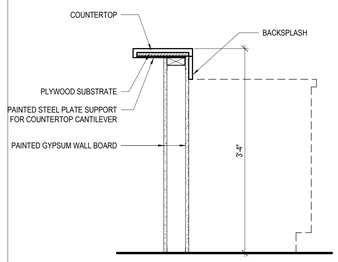
8 DETAIL BASE CABINET W/ TRASH DRAWER
1" = 1'-0" REF: 8 / A811



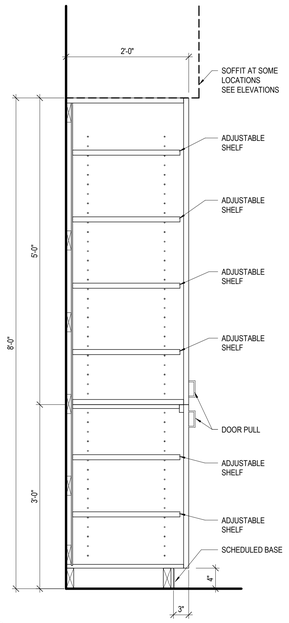
9 DETAIL BASE CABINET MICROWAVE
1" = 1'-0" REF: 8 / A811



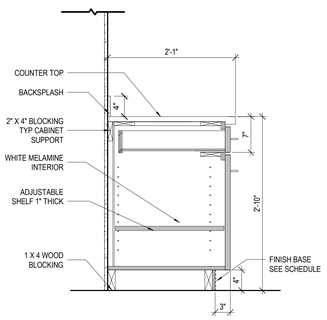
10 DETAIL CASEWORK - KITCHEN BASE CABINET 1 DOOR
1" = 1'-0" REF: 4 / A811



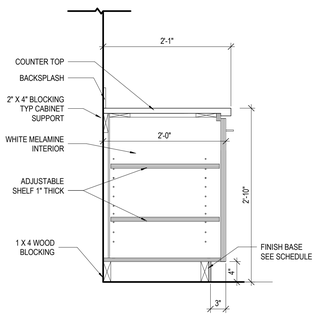
11 DETAIL CASEWORK - COUNTERTOP WALL
1" = 1'-0" REF: 3 / A811



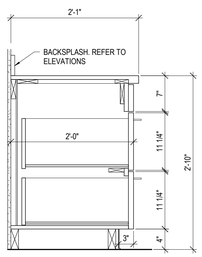
12 DETAIL CASEWORK - PANTRY CABINET
1" = 1'-0" REF: 6 / A812



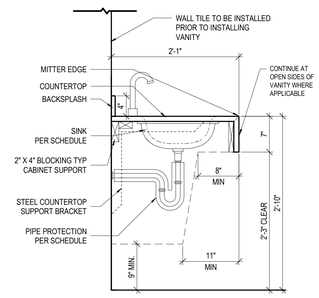
1 DETAIL CASEWORK - BASE CABINET 1 DRAWER 1 DOOR
1" = 1'-0" REF: 8 / A811



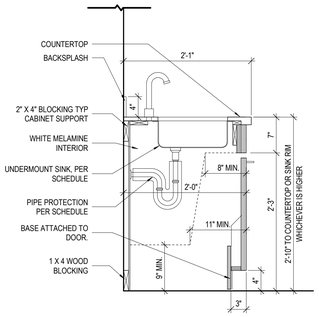
2 DETAIL CASEWORK - BASE CABINET 1 DOOR
1" = 1'-0" REF: 10 / A850



3 DETAIL CASEWORK - BASE CABINET VANITY 2 DRAWER
1" = 1'-0"



4 DETAIL CASEWORK - ADA SINK VANITY
1" = 1'-0" REF: 3 / A801



6 DETAIL CASEWORK - ADA SINK BASE CABINET
1" = 1'-0" REF: 8 / A811

PRINT DATE: 2/6/2020 5:18:19 PM
FILE INFO: BIM 360://NKU - New Residence Hall/NKU-10976-01_ARCH.rvt

STATE OF KENTUCKY APPROVAL

KEY VALUE	KEYNOTE TEXT

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

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DRAWING TITLE:

CASEWORK DETAILS

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

A850

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ROOM FINISH SCHEDULE

SPACE		FLOOR		BASE		DOOR/FRAME FNISH		WALLS								
						DOOR	FRAME	NORTH		SOUTH		EAST		WEST		
ROOM NUMBER	ROOM NAME	MAT	COL	MAT	COL		PAINT	MAT	COL	MAT	COL	MAT	COL	MAT	COL	REMARKS
LEVEL 00																
100	ENTRANCE LOBBY	PC1		RB2		ALUM		P1		P1		P1		P1		
100V	VESTIBULE	EM1		RB2		ALUM		P1		P1		P1		P1		
101	STUDY	LVT 2		RB2		ALUM		P1		P1		P1		AWP1		
101A	STUDY	LVT 2		RB2		ALUM		P1		AWP1		P1		P1		
101B	STUDY	LVT 2		RB2		ALUM		AWP1		VDB1, P1		P1		P1		
101C	STUDY	LVT 2		RB2		ALUM		VDB1, P1		AWP1		P1		P1		
102	STUDY	LVT 2		RB2		ALUM		AWP1		VDB1, P1		P1		AWP1		
105	RES. MGR. OFFICE	LVT 2		RB2		ALUM		AWP1		P1		P1		P1		
105S	STAIR	PC1		RB2		P1	P1	P1		P1		P1		P1		
106	CLOSET	LVT2		RB2		P1	P1	P1		P1		P1		P1		
110	SITTING AREA	PC1		RB2				P1		P1		P1		P1		
110W	WOMEN	PC1		RB2			P7	CT1, P1		CT1, P1		P1		P1		
111	LAUNDRY	PC1		RB2		ALUM		P1		P1		P1		P1		
112M	MEN	PC1		RB2			P7	CT1, P1		CT1, P1		P1		P1		
114	RESTROOM	PC1		RB2		P1	P1	P1		P1		CT1		P1		
115	KITCHEN	PC1		RB2				P1		P1		P1		P1		
116	FIRE PUMP	SC1		RB2		P1	P1	P1		P1		P1		P1		
120	COMMON AREA	PC1		RB2				P1		AWP1, PI		P1		P1		
122M	MECHANICAL	SC1		RB2		P1	P1	P1		P1		P1		P1		
124E	ELEC	SC1		RB2		P1	P1	P1		P1		P1		P1		
125S	STAIR 2	SC1		RB2		P7	P7	P1		P1		P1		P1		
126	STORAGE	SC1		RB2		P1	P1	P1		P1		P1		P1		
126F	FIBER	SC1		RB2		P1	P1	P1		P1		P1		P1		
130M	MECHANICAL	SC1		RB2		P1	P1	P1		P1		P1		P1		
135V	VESTIBULE	EM1		RB2		ALUM	P1	P1		P1		P1		P1		
140	MECH/ELEC	SC1		RB2		P1	P1	P1		P1		P1		P1		
140A	MDF	SC1		RB2		P1	P1	P1		P1		P1		P1		
145	ELEV MACH	SC1		RB2		P1	P1	P1		P1		P1		P1		
LEVEL 01																
105S	STAIR	SC1		RB2		P1	P1	P1		P1		P1		P1		
140B	CUSTODIAL	SC1		RB2		P1	P1	P1		P1		P1		P1		
150H	NORTH CORRIDOR	LVT2		RB2				P1		P1		P1		P1		
165S	STAIR 1	SC1		RB2		P7	P7	P1		P1		P1		P1		
LEVEL 02																
200	LOBBY	LVT 2		RB2				P1		P1		P1		P1		
200H	SOUTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
200J	CUSTODIAL	SC1		RB2		P1	P1	P1		P1		P1		P1		
200K	MECH/ELEC	SC1		RB2		P1	P1	P1		P1		P1		P1		
200M	IDF	SC1		RB1		P1	P1	P1		P1		P1		P1		
201	LOUNGE	LVT 2		RB2				P1		AWP1		P1		AWP1		
204	STUDY	LVT 1		RB2		ALUM		VDB1, P1		AWP1		P1		P1		
225S	STAIR 2	SC1		RB2		P7	P7	P1		P1		P1		P1		
250H	NORTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
265S	STAIR 1	SC1		RB2		P7	P7	P1		P1		P1		P1		
LEVEL 03																
300	LOBBY	LVT 2		RB2				P1		P1		P1		P1		
300H	SOUTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
300J	CUSTODIAL	SC1		RB2		P1	P1	P1		P1		P1		P1		
300K	MECH/ELEC	SC1		RB2		P1	P1	P1		P1		P1		P1		
300M	IDF	SC1		RB2		P1	P1	P1		P1		P1		P1		
301	LOUNGE	LVT 2		RB2				P1		AWP1		P1		AWP1		
304	STUDY	LVT 2		RB2		ALUM		VDB1, P1		AWP1		P1		P1		
325S	STAIR 2	SC1		RB2		P7	P7	P1		P1		P1		P1		
350H	NORTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
365S	STAIR 1	SC1		RB2		P7	P7	P1		P1		P1		P1		
LEVEL 04																
373	LOBBY	LVT 2		RB2				P1		P1		P1		P1		
400H	SOUTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
400J	CUSTODIAL	SC1		RB2		P1	P1	P1		P1		P1		P1		
400K	MECH/ELEC	SC1		RB2		P1	P1	P1		P1		P1		P1		
400M	IDF	SC1		RB2		P1	P1	P1		P1		P1		P1		
401	LOUNGE	LVT 2		RB2				P1		AWP1		P1		AWP1		
404	STUDY	LVT 2		RB2		ALUM		VDB1, P1		AWP1		P1		P1		
425S	STAIR 2	SC1		RB2		P7	P7	P1		P1		P1		P1		
450H	NORTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
465S	STAIR 1	SC1		RB2		P7	P7	P1		P1		P1		P1		
LEVEL 05																
500	LOBBY	LVT 2		RB2				P1		P1		P1		P1		
500H	SOUTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
500J	CUSTODIAL	SC1		RB2		P1	P1	P1		P1		P1		P1		
500K	MECH/ELEC	SC1		RB2		P1	P1	P1		P1		P1		P1		
500M	IDF	SC1		RB2		P1	P1	P1		P1		P1		P1		
501	LOUNGE	LVT 2		RB2				P1		P1		P1		P1		
504	STUDY	LVT2		RB2		ALUM		VDB1, P1		AWP1		P1		P1		
525S	STAIR 2	SC1		RB2		P7	P7	P1		P1		P1		P1		
550H	NORTH CORRIDOR	LVT 2		RB2				P1		P1		P1		P1		
565S	STAIR 1	SC1		RB2		P7	P7	P1		P1		P1		P1		

RESIDENT MANAGER UNIT FINISH SCHEDULE

SPACE		FLOOR		BASE		DOOR/FRAME FNISH		WALLS								
						DOOR	FRAME	NORTH		SOUTH		EAST		WEST		
ROOM NAME		MAT	COL	MAT	COL	PAINT	PAINT	MAT	COL	MAT	COL	MAT	COL	MAT	COL	REMARKS
RESIDENT MGR.'S APT.		LVT1	TBD	RB1	TBD	TBD	TBD	P1		P1		P1		P1		
RM BATH		CT3	TBD	CT3	TBD	TBD	TBD	P1		P1		P1		P1		
RM BEDROOM 1		LVT1	TBD	RB1	TBD	TBD	TBD	P1		P1		P1		P1		
RM BEDROOM 2		LVT1	TBD	RB1	TBD	TBD	TBD	P1		P1		P1		P1		
RM CLOSET		LVT 1	TBD	RB1	TBD	TBD	TBD	P1		P1		P1		P1		
RM MECH		LVT1	TBD	RB1	TBD	TBD	TBD	P1		P1		P1		P1		
RM W/D		LVT1	TBD	RB1	TBD	TBD	TBD	P1		P1		P1		P1		

FINISH LEGEND - BASIS OF DESIGN

FINISH TYPE	TAG	MANUFACTURER	STYLE	COLOR/FINISH	SIZE	COMMENTS
BASE						
RESILIENT BASE	RB1	JOHSONITE	COVE	TBD	4"	
RESILIENT BASE	RB2	JOHSONITE	COVE	TBD	4"	
CEILINGS						
ACOUSTICAL CEILING	AC1	ARMSTRONG	DUNE 1775	TEGULAR EDGE	24"x24"	
ACOUSTICAL CEILING	AC2	NOVAWALL	FORM/ NOVASPAN	TBD	SEE RCP'S	FARIC WRAPPED CLOUDS
ACOUSTICAL CEILING	AC3	NOVAWALL	FORM/ NOVASPAN	TBD	SEE RCP'S	FARIC WRAPPED CLOUDS
WOOD SLAT CEILING	WD1	ARMSTRONG	WOODOWRKS, GRILLE	WALNUT	SEE SPECIFICATIONS	
FLOORS						
CERAMIC TILE	CT1	STONE SOURCE	LAGO DI VITTO	BIANCO	4" X 12""	WALL TILE AT PUBLIC RESTROOM WET WALLS
CERAMIC TILE	CT2	STONE SOURCE	LAGO DI VITTO	FUME	4" X 12"	WALL TILE (ACCENT) AT PUBLIC RESTROOM WET WALLS
CERAMIC TILE	CT3	LOUISVILLE TILE	URBAN COLLECTION, RIPPLES	TBD	12" X 24"	FLOOR TILE AT ACCESSIBLE SHOWER ROOMS IN UNITS
CONCRETE SEALER	CS1	TBD		CLEAR		
ENTRANCE MAT	EM1	WATERHOG BY ANDERSEN	CLASSIC FLOOR TILE	BLACK SMOKE	SEE FINISH PLANS	ENTRANCE VESTIBULES
POLISHED CONCRETE	PC1	TBD				
RESILIENT TILE FLOORING	LVT1	MANNINGTON	CITY PARK	TBD	6"X36" PLANK	INTEGRAL SOUND BACKING
RESILIENT TILE FLOORING	LVT2	MANNINGTON	SPACIA COLLECTION; WOOD	TBD	6"X36" PLANK	INTEGRAL ADHESIVE BACKING
MISCELLANEOUS						
PLASTIC LAMINATE	PL1	WILSONART		FASHION GREY, D381-60; GLOSS		
PLASTIC LAMINATE	PL2	WILSONART		TBD		RESIDENT MANAGER APARTMENT
QUARTZ COUNTERTOP	Q1	WILSONART		VERSAILLES, Q2007		COMMON AREA KITCHEN COUNTER
SOLID SURFACE	SS1	WILSONART		TBD		COUNTERTOPS AT UNITS
SOLID SURFACE	SS2	WILSONART		TBD		COUNTERTOPS AT COMMON AREA RESTROOMS
WALLS						
ACOUSTICAL FABRIC WRAPPED PANEL	AWP1	NOVAWALL	FORM	TBD	SEE FINISH PLANS AND ELEVATIONS	ACOUSTIC WALL PANELS AT STUDY ROOMS AND LOUNGE AREAS
FILM	GF1	3M	TBD	TBD	SEE ELEVATIONS	FILM AT STUDY ROOMS/ OFFICE
PAINT	P1	SHERWIN WILLIAMS	EGGSHELL	TBD		FIELD WALL PAINT
PAINT	P2	SHERWIN WILLIAMS	EGGSHELL	TBD		ACCENT WALL PAINT
PAINT	P3	SHERWIN WILLIAMS	EGGSHELL	TBD		ACCENT WALL PAINT
PAINT	P4	SHERWIN WILLIAMS	EGGSHELL	TBD		ACCENT WALL PAINT
PAINT	P5	SHERWIN WILLIAMS	EGGSHELL	TBD		ACCENT WALL PAINT
PAINT	P6	SHERWIN WILLIAMS	FLAT	TBD		CEILING PAINT
PAINT	P7	SHERWIN WILLIAMS	SEMI-GLOSS	TBD		TRIM PAINT
PAINT	P8	SHERWIN WILLIAMS	FLAT	TBD		UNDERSIDE OF STRUCTURE PAINT

FINISH SCHEDULE - UNIT

ROOM NAME	BASE FINISH	FLOOR FINISH	WALL FINISH	CEILING FINISH	COMMENTS
ENTRY	RB1	LVT1	P1	P6	
BEDROOM	RB1	LVT1	P1	P6	
BATHROOM	RB1	LVT1	P1	P6	CT3 FLOOR FINISH AT ACCESSIBLE ROLL-IN SHOWER ROOMS
BATHROOM	RB1	LVT1	P1	P6	
MECHANICAL CLOSET	RB1	LVT1	P1	P6	

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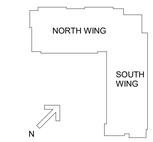

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434 MADISON AVENUE
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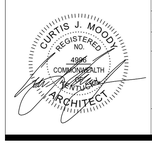
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

FINISH SCHEDULE



JANUARY 30, 2020

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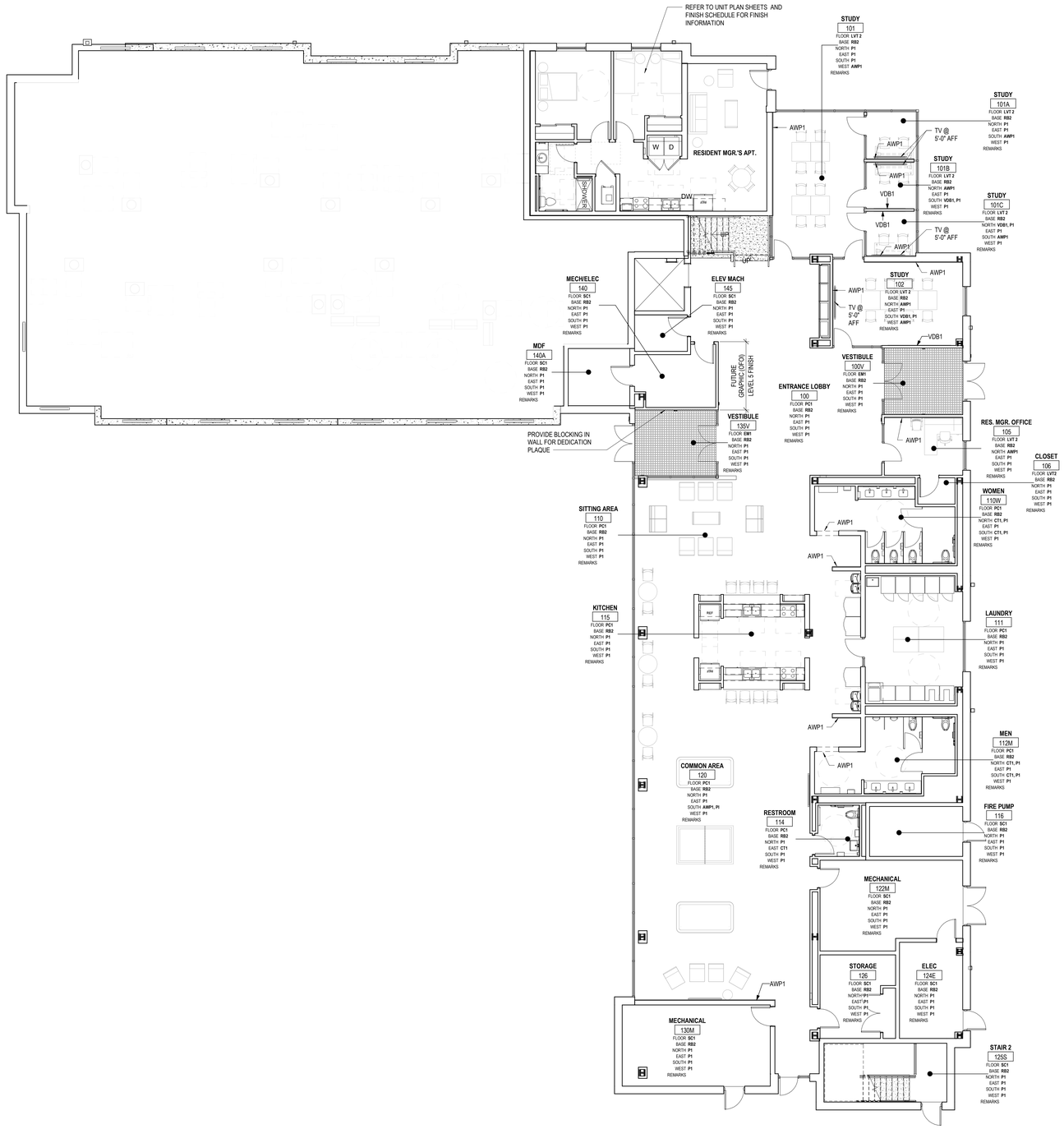

1 **LEVEL 00 - FINISH PLAN**
1/8" = 1'-0"

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
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P5: ACENT COLOR PAINT
P6: CEILING PAINT
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P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
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MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: UNIT COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

Quartz (Q)
Q-1: COMMON AREA KITCHEN COUNTERTOP

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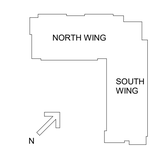

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LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

FINISH PLAN - LEVEL 00

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

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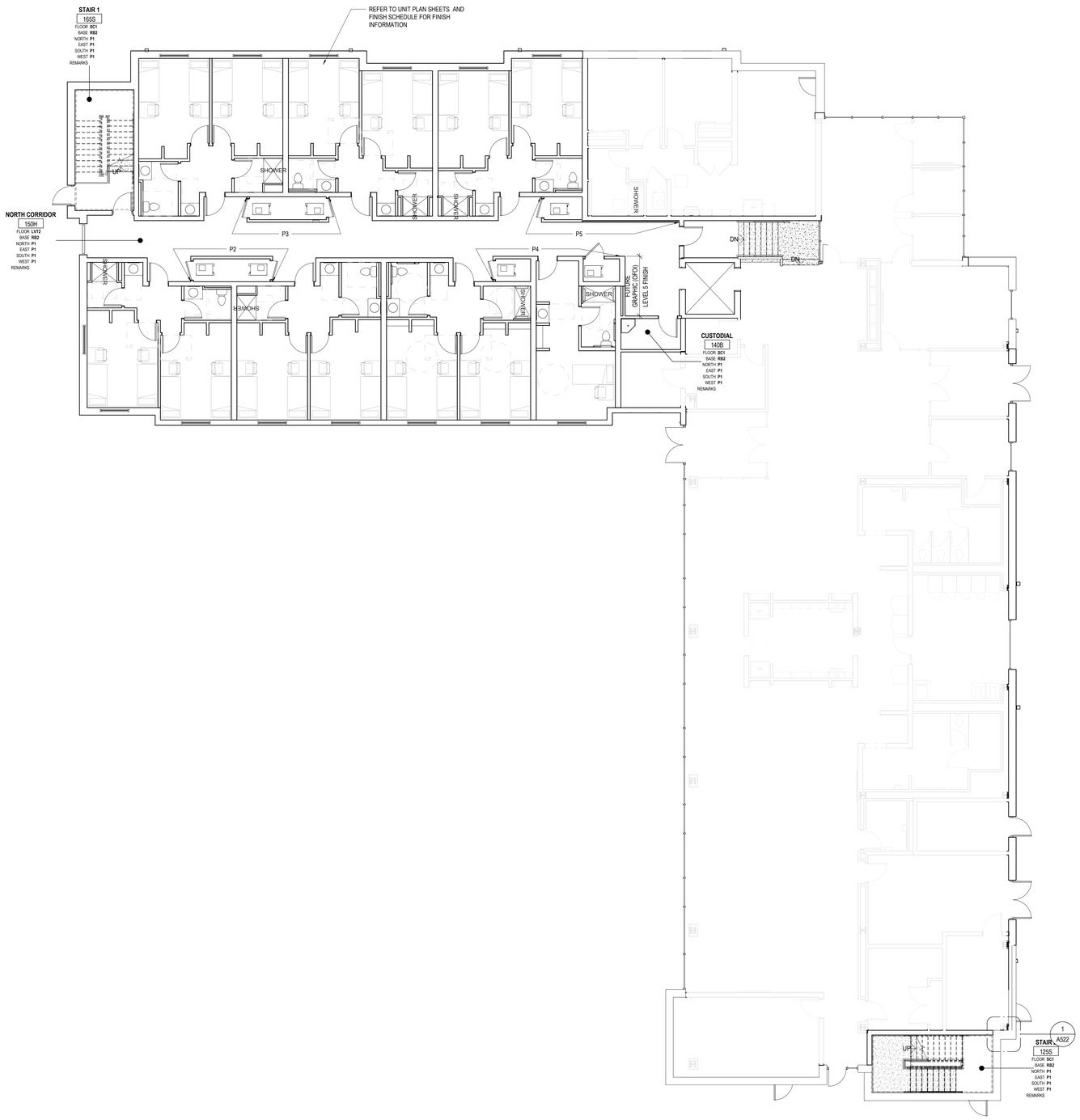

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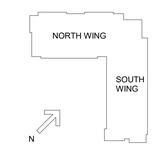


#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

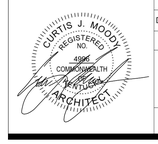
NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
PHONE: (859) 957-1277
FAX: (859) 957-1280

LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

FINISH PLAN - LEVEL 01



JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

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PRINT DATE: 2/6/2020 5:18:45 PM
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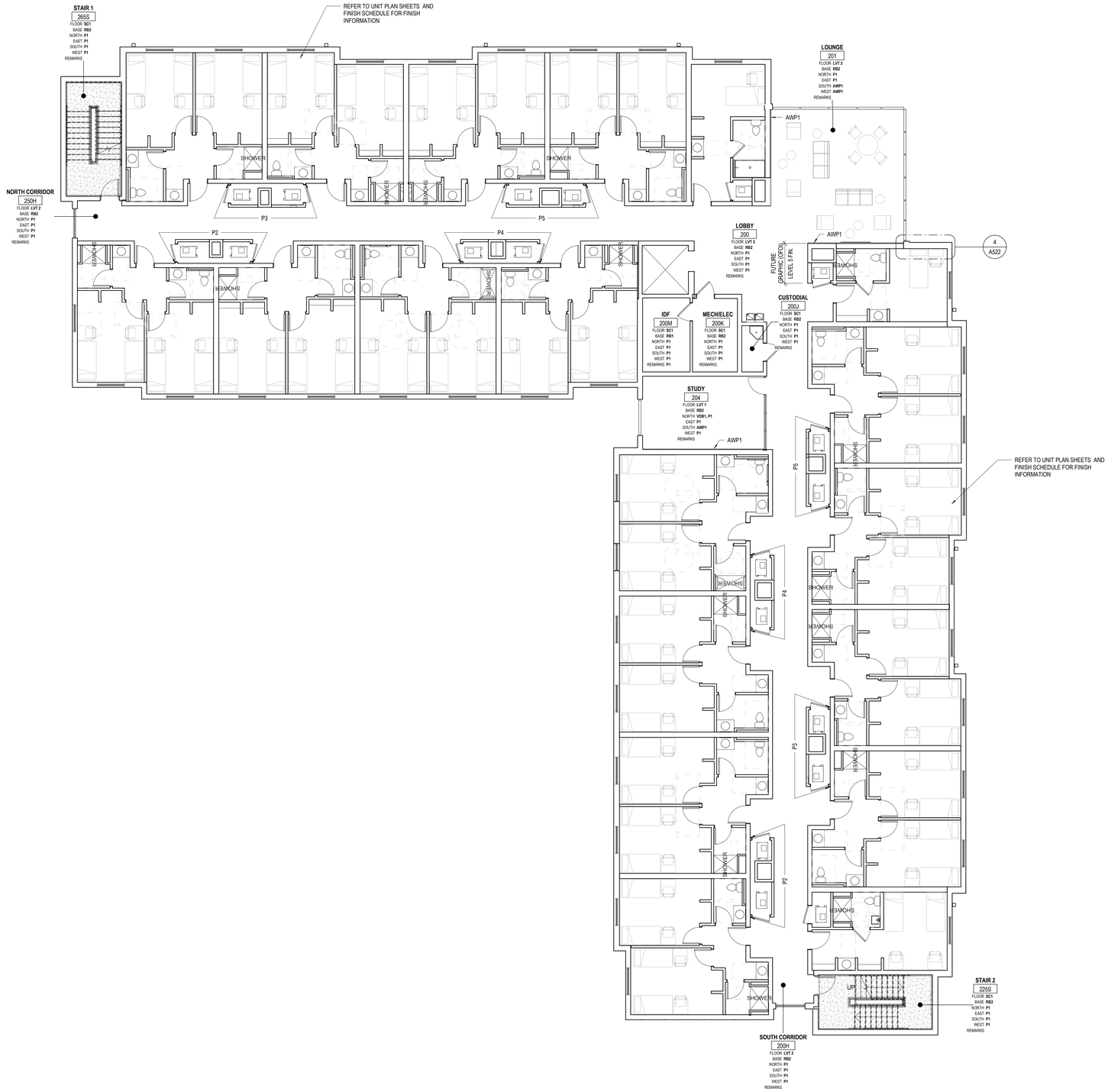

1 **LEVEL 02 FINISH PLAN**
1/8" = 1'-0"

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: UNIT COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

Quartz (Q)
Q-1: COMMON AREA KITCHEN COUNTERTOP

STATE OF KENTUCKY APPROVAL

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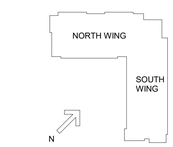

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A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

FINISH PLAN - LEVEL 02

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

CURTIS J. MOODY — REGISTERED NO. 4396 — COMMONWEALTH OF KENTUCKY — ARCHITECT

A903

BID & PERMIT SUBMITTAL

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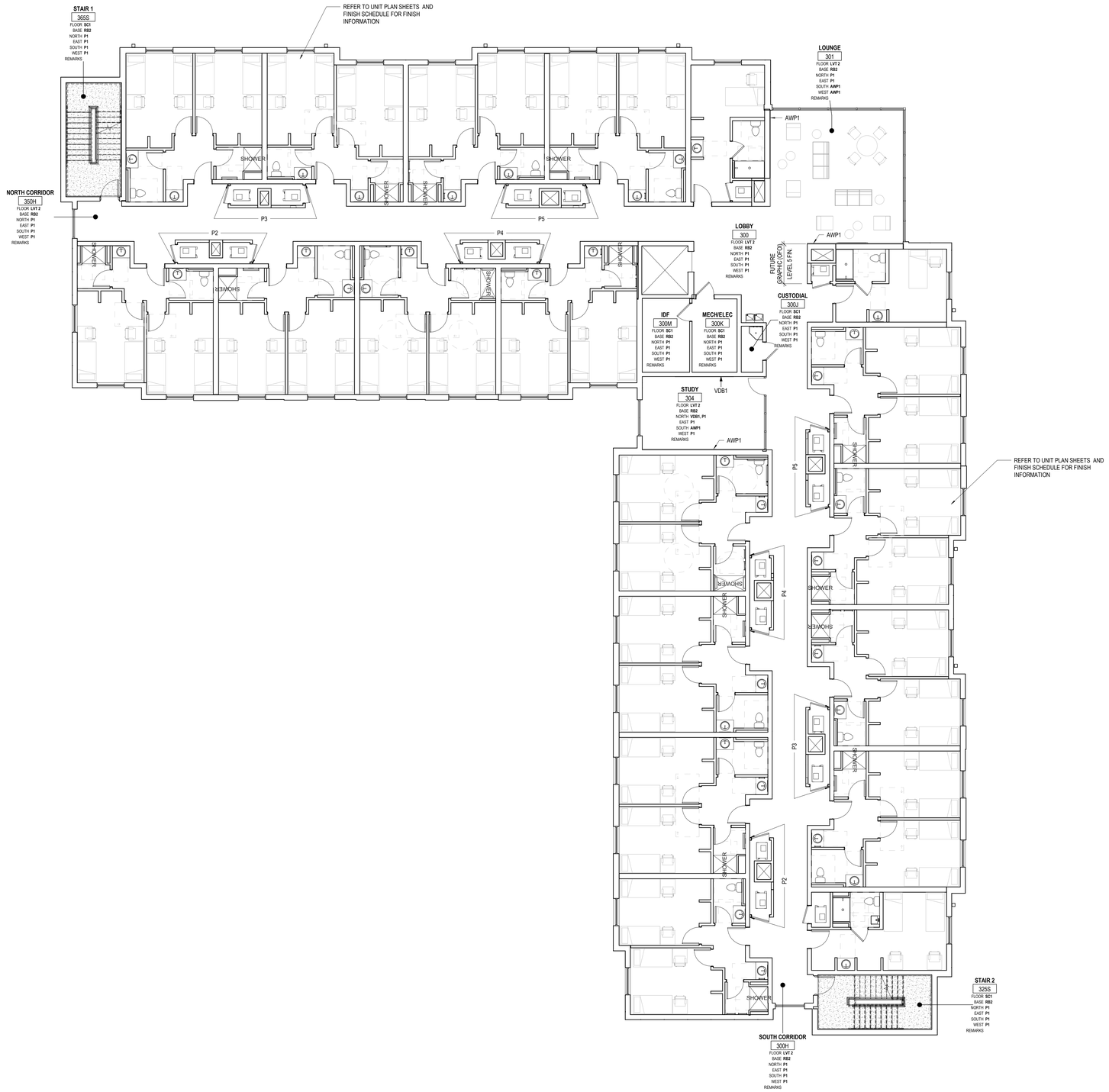

1 **LEVEL 03 FINISH PLAN**
1/8" = 1'-0"

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

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RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
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Paint (P)
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MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

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PL-1: PLASTIC LAMINATE CABINETS
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SS-1: UNIT COUNTERTOP
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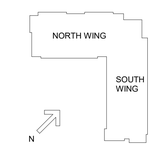

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DRAWING TITLE:

FINISH PLAN - LEVEL 03

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A904

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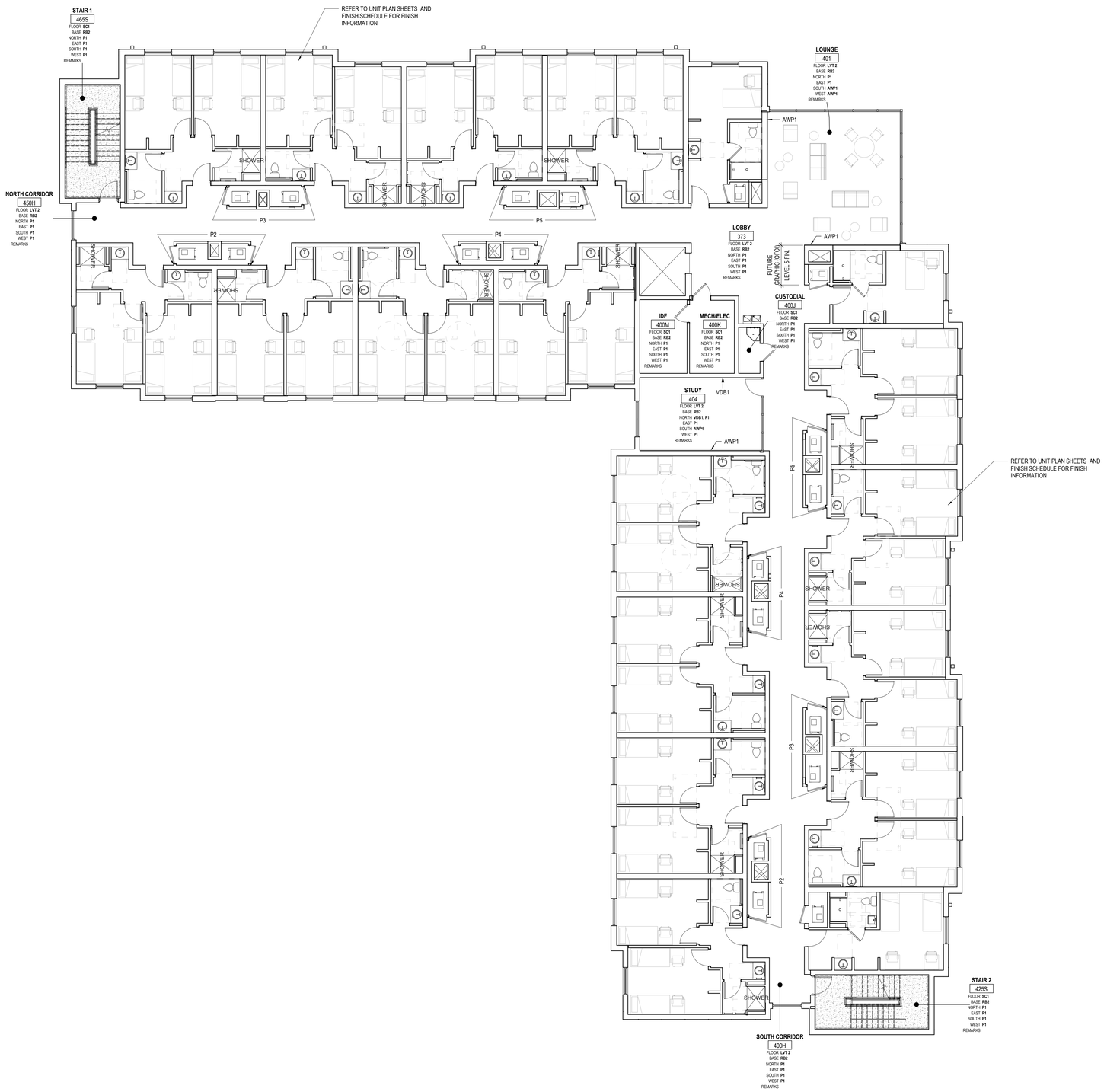

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1/8" = 1'-0"

FINISH LEGEND

FLOORS

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LVT1: LUXURY VINYL TILE, COLOR 1
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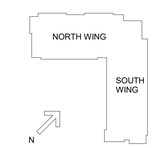

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
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LORD AECK SARGENT
A KATERRA COMPANY
269 W Main St.
Suite 500
Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

FINISH PLAN - LEVEL 04

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A905

BID & PERMIT SUBMITTAL

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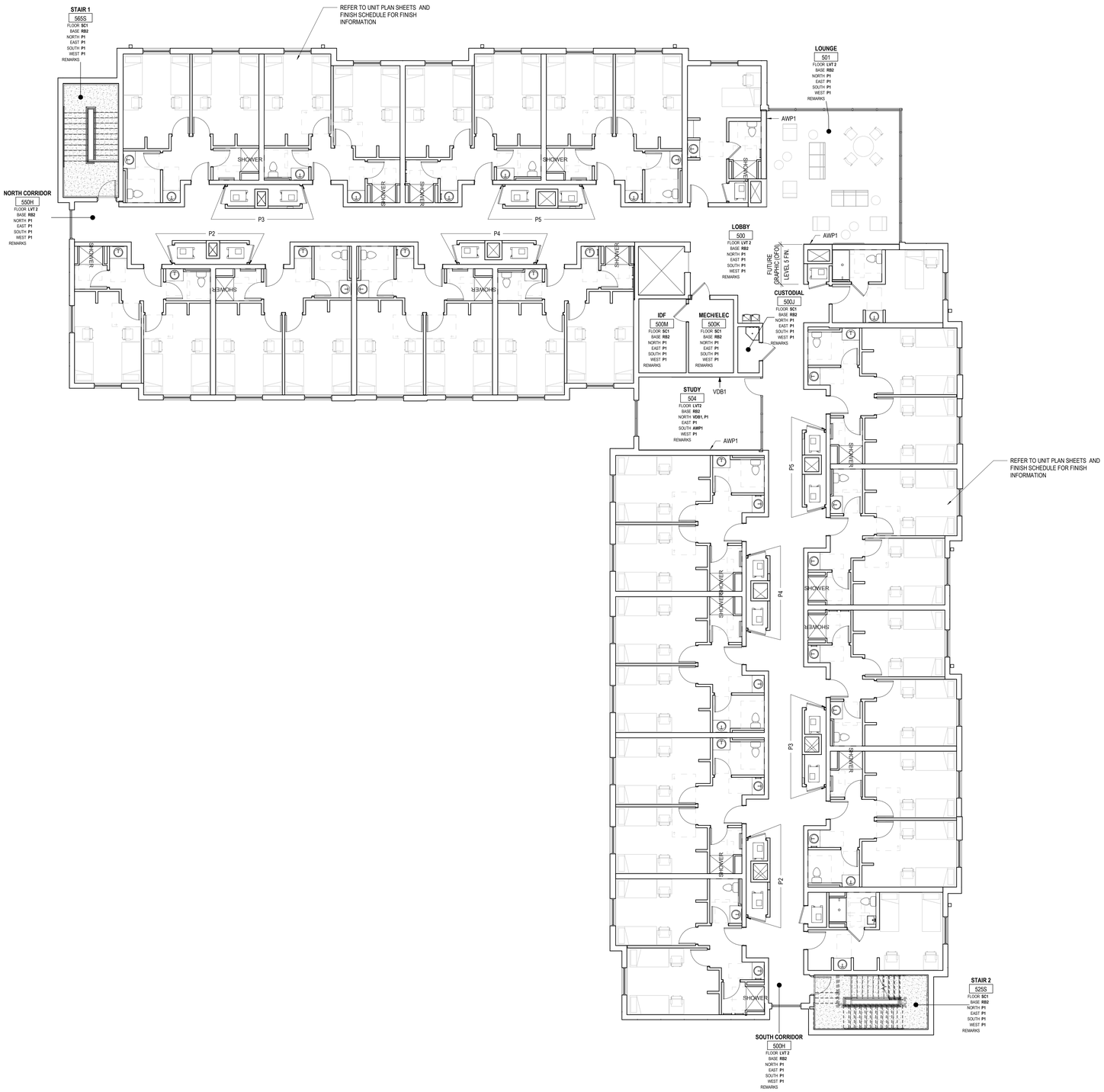

1 LEVEL 05 FINISH PLAN

1/8" = 1'-0"

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: UNIT COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

Quartz (Q)
Q-1: COMMON AREA KITCHEN COUNTERTOP

STATE OF KENTUCKY APPROVAL

GENERAL NOTES - FINISH PLANS

1. STANDARDS AND PROCEDURES FOR THE PREPARATION AND APPLICATION OF INTERIOR FINISHES ARE DEFINED IN THE PROJECT MANUAL. FINISH (SUB) CONTRACTORS ARE REQUIRED TO READ, UNDERSTAND AND FOLLOW ALL RELEVANT SECTIONS OF THE PROJECT MANUAL.
2. FINISH MATERIALS ARE LISTED IN THE LEGEND COMPONENT OF THE FINISH SCHEDULE. SPECIFICATIONS ARE INCLUDED IN THE PROJECT MANUAL. ANY CONFLICTS OR DISCREPANCIES BETWEEN THESE TWO SHOULD BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY.
3. NO FINISH MATERIAL SUBSTITUTIONS WILL BE ACCEPTED EXCEPT IN THE SPECIFIC CIRCUMSTANCES ENUMERATED IN THE PROJECT MANUAL.
4. PAINTED HOLLOW METAL DOORS AND FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR UNLESS NOTED OTHERWISE. HOLLOW METAL FRAMES AT UNIT ENTRY DOORS TO BE PAINTED AN ACCENT PAINT COLOR. MATERIAL INFORMATION FOR ALL OTHER DOORS AND FRAMES IS CONTAINED IN THE DOOR SCHEDULE AND ITS ASSOCIATED LEGENDS.
5. ALL VERTICAL TRANSITIONS BETWEEN DIFFERING WALL FINISHES ARE TO BE MADE AT INSIDE CORNERS (UNLESS NOTED OTHERWISE).
6. FLOORING MATERIAL DESIGNATED FOR STAIRS IS TO INCLUDE STAIR AND ALL ASSOCIATED TREADS, RISERS, LANDINGS, ETC. (UNLESS NOTED OTHERWISE).
7. PAINT DESIGNATED FOR METAL STAIR COMPONENTS IS TO INCLUDE ALL EXPOSED METAL COMPONENTS ASSOCIATED WITH THE STAIR SYSTEM ITSELF. ALL EXPOSED STRUCTURAL STEEL COMPONENTS SUPPORTING THE STAIR SYSTEM (UNLESS NOTED OTHERWISE), AND ALL EXPOSED METAL COMPONENTS OF THE HANDRAIL AND GUARDRAIL SYSTEMS (UNLESS NOTED OTHERWISE). UNDERSIDES OF STAIR RUNS AND LANDINGS ARE CONSIDERED "EXPOSED" IN ALL SITUATIONS.
8. FOR CLARITY, SOME FINISH INFORMATION HAS BEEN PRESENTED GRAPHICALLY IN THE FORM OF FINISH AND FLOORING PLANS. SHOULD THERE BE A DISCREPANCY BETWEEN THE FINISH SCHEDULE AND THESE PLANS, THE ARCHITECT SHOULD BE NOTIFIED IMMEDIATELY. FOR THE PURPOSE OF BIDDING, INFORMATION DETAILED ON THE FINISH FLOOR PLANS AND FLOORING PLANS IS TO TAKE PRECEDENCE OVER THE FINISH SCHEDULE UNTIL FURTHER CLARIFICATION CAN BE GIVEN. FOR AREAS NOT SPECIFICALLY DETAILED ON THESE PLANS, THE FINISH SCHEDULE PERTAINS.
9. PAINT DESIGNATED FOR EXPOSED OVERHEAD STRUCTURE IS TO INCLUDE ALL EXPOSED COMPONENTS INCLUDING (BUT NOT EXCLUSIVE TO) DECKING, STRUCTURAL MEMBERS, MECHANICAL AND ELECTRICAL DELIVERY SYSTEMS, FIRE PROTECTION SYSTEMS (EXCLUDING SPRINKLER HEADS), AND ALL OTHER MISCELLANEOUS BUILDING SYSTEMS LOCATED OVERHEAD. EACH OF THE AFOREMENTIONED CATEGORIES IS TO INCLUDE ANY AND ALL ASSOCIATED SUPPORTS, FASTENERS, HANGERS, STRUTS, BRACES, BRACKETS, ETC.
10. REFER TO REFLECTED CEILING PLANS AND SPECIFICATION MANUAL FOR ALL CEILING MATERIAL AND FINISH INFORMATION.
11. FOR EPOXY OR INTUMESCENT PAINT COLOR REFER TO PAINT SCHEDULE NUMBERS.
12. APPROPRIATE METAL OR VINYL TRANSITION STRIPS MUST BE PROVIDED AT ALL FINISH MATERIAL FLOORING CHANGES. GENERAL CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR ALL FLOORING TRANSITIONS AND AREAS IN WHICH FLOORING PATTERNS ARE SHOWN. SEE FLOOR FINISH PLANS, DETAILS AND NOTES FOR SPECIFIC INFORMATION.
13. WALL PAINT INDICATED FOR CURTAIN WALL LOCATIONS APPLIES TO ALL ASSOCIATED DRYWALL COMPONENTS (CURBS, HEADERS, BULKHEADS, ETC.) AND SHOULD NOT BE INTERPRETED AS APPLYING TO CURTAIN WALL COMPONENTS OR GLASS.
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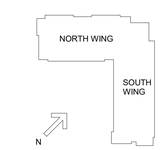

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www.lordaecksargent.com

DRAWING TITLE:

FINISH PLAN - LEVEL 05

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A906

BID & PERMIT SUBMITTAL

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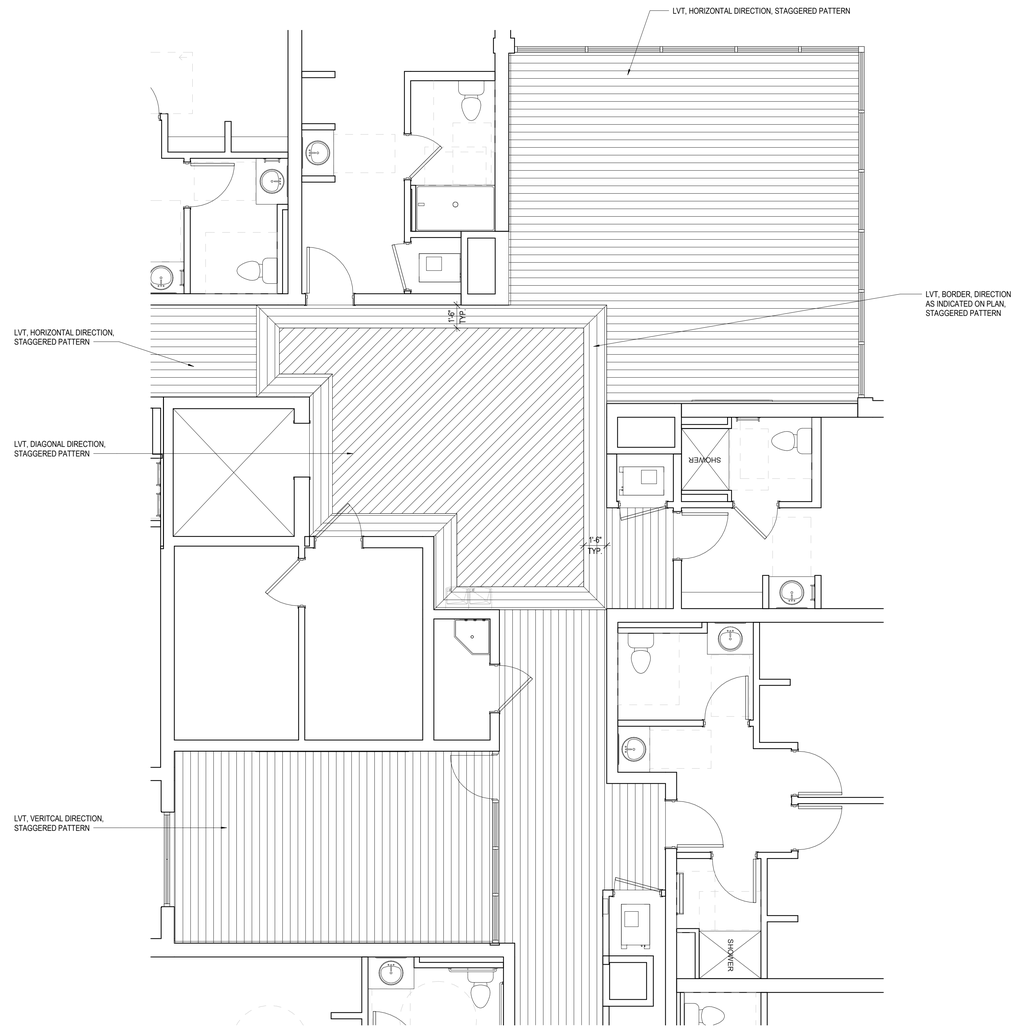

1 TYPICAL COMMON AREA PATTERN PLAN, LEVELS 2 - 5

1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

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CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
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MISCELLANEOUS

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VDB-1: GLASS MARKER BOARD

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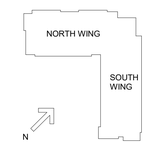
Quartz (Q)
Q-1: COMMON AREA KITCHEN COUNTERTOP



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877-929-1400
www.lordaecksargent.com

DRAWING TITLE:

FLOOR FINISH/ PATTERN PLANS

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A907

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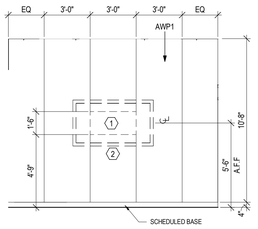
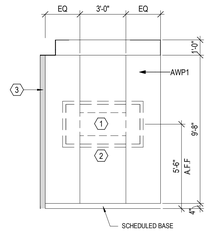
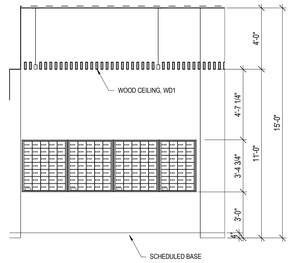


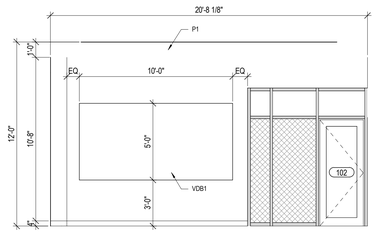
12 COMMON AREA - STUDY (3) - WEST
1/4" = 1'-0"



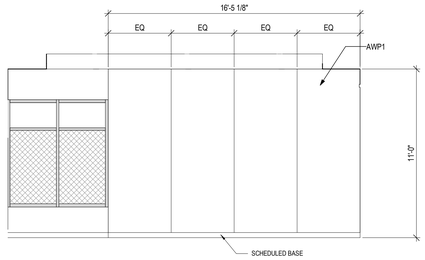
8 COMMON AREA - STUDY (2),TYP.
1/4" = 1'-0"



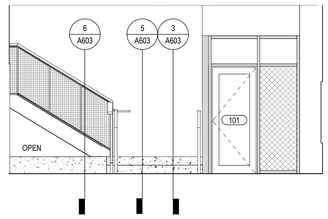
4 COMMON AREA- ELEVATOR LOBBY -EAST
1/4" = 1'-0"



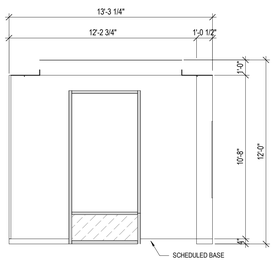
11 COMMON AREA - STUDY (3) -SOUTH
1/4" = 1'-0"



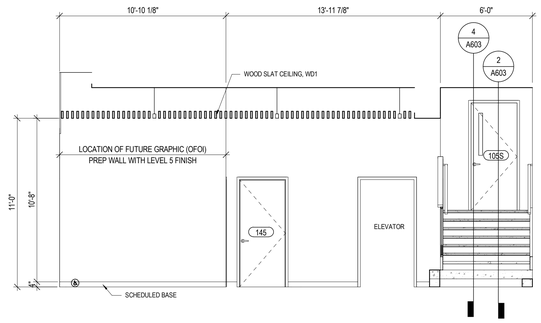
7 COMMON AREA - STUDY (1) - WEST
1/4" = 1'-0"



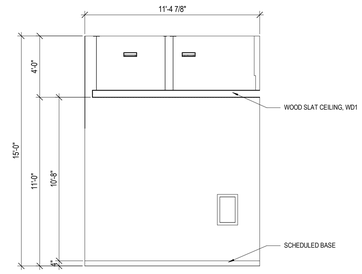
3 COMMON AREA- ELEVATOR LOBBY (LVL 00-01) - NORTH
1/4" = 1'-0"



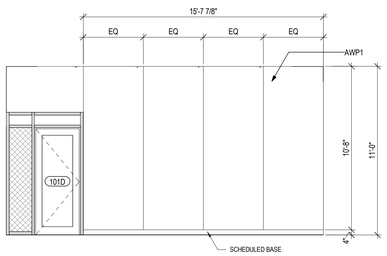
10 COMMON AREA - STUDY (3)- EAST
1/4" = 1'-0"



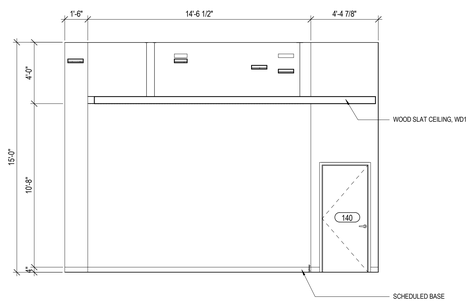
6 COMMON AREA- ELEVATOR LOBBY -WEST
1/4" = 1'-0"



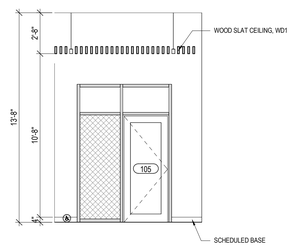
2 COMMON AREA - RECEPTION - SOUTH
1/4" = 1'-0"



9 COMMON AREA - STUDY (3)- NORTH
1/4" = 1'-0"



5 COMMON AREA- ELEVATOR LOBBY (LVL 00-01) -SOUTH
1/4" = 1'-0"



1 COMMON AREA - RECEPTION - EAST
1/4" = 1'-0"

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STATE OF KENTUCKY APPROVAL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

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PL-2: PLASTIC LAMINATE CABINETS

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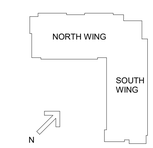
SS-1: COMMON AREA RESTROOM COUNTERTOP

Quartz (Qz)
Qz-1: COMMON AREA RESTROOM WALL MOUNTED SINK

CODED NOTE LEGEND

1. NOOK FOR TV MOUNTING BRACKET.
2. TV (OFOI), PROVIDE BLKG IN WALL FOR TV. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA.
3. MULLIONMATE (OR SIMILAR) AT EXTERIOR STOREFRONT INTERSECTION.



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INTERIOR ELEVATIONS - COMMON AREA LOBBY & STUDY

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

#18237

CURTIS J. MOODY REGISTERED NO. 4396 COMMONWEALTH OF KENTUCKY ARCHITECT

A920

BID & PERMIT SUBMITTAL

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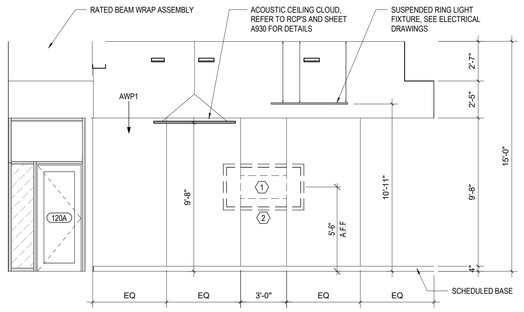
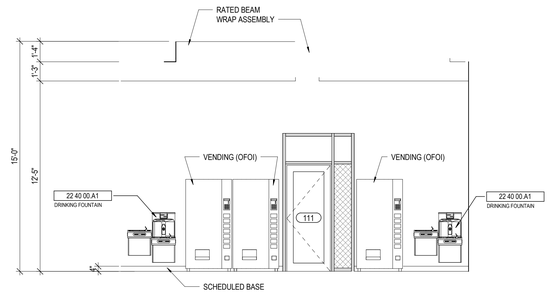
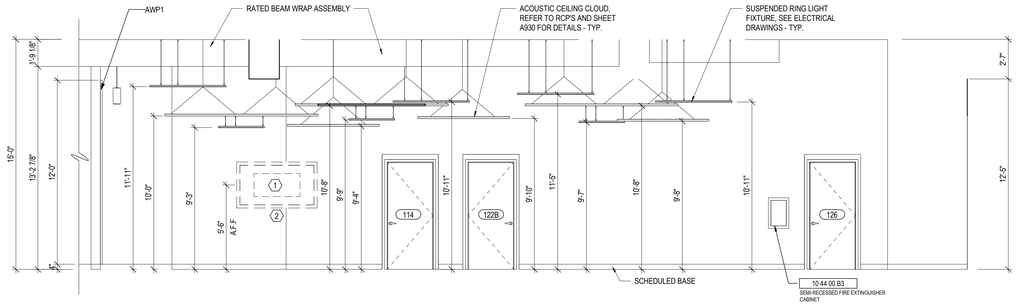


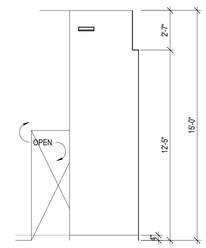
6 COMMON - GAME AREA -SOUTH
1/4" = 1'-0"



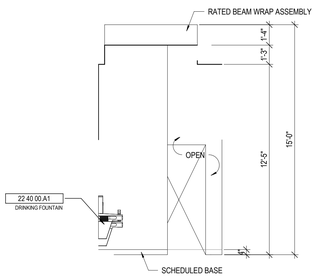
3 RESTROOM/KITCHEN CORRIDOR - EAST
1/4" = 1'-0"



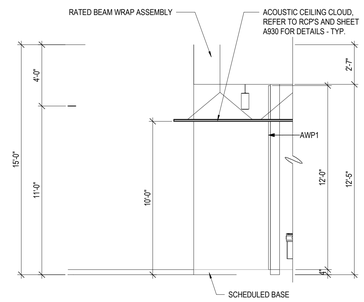
5 COMMON - GAME AREA - EAST
1/4" = 1'-0"



2 RESTROOM/KITCHEN CORRIDOR - NORTH
1/4" = 1'-0"



4 RESTROOM/KITCHEN CORRIDOR - SOUTH
1/4" = 1'-0"



1 COMMON AREA - RESTROOM WALL - EAST
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

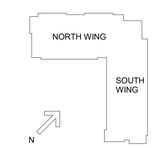
Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surfaces
SS-1: COMMON AREA KITCHEN COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

CODED NOTE LEGEND

1. NOOK FOR TV MOUNTING BRACKET.
2. Q-1: COMMON AREA KITCHEN COUNTERTOP
   TV (OFOI), PROVIDE BLKG IN WALL FOR TV. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA.
3. MULLIONMATE (OR SIMILAR) AT EXTERIOR STOREFRONT INTERSECTION.



#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

MOODY•NOLAN
434 MADISON AVENUE
COVINGTON, KY 41011
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A KATERRA COMPANY
269 W Main St.
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Lexington, KY 40507 USA
877-929-1400
www.lordaecksargent.com

DRAWING TITLE:
INTERIOR ELEVATIONS - COMMON AREA

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

#18237

A921

BID & PERMIT SUBMITTAL

PRINT DATE: 2/6/2020 5:19:39 PM
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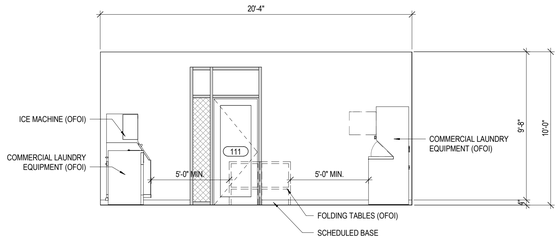
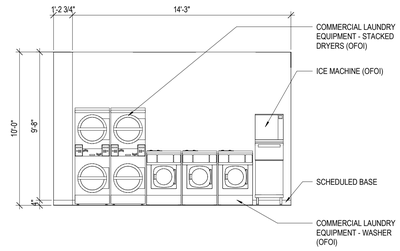
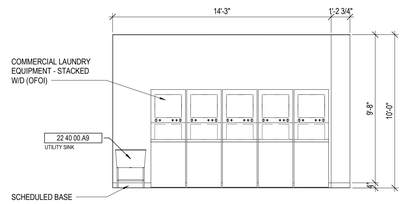


3 LAUNDRY - WEST
1/4" = 1'-0"



2 LAUNDRY - SOUTH
1/4" = 1'-0"



1 LAUNDRY - NORTH
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

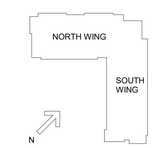
Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: UNIT COUNTERTOP
SS-2: [illegible]

CODED NOTE LEGEND

1. NOOK FOR TV MOUNTING BRACKET.
Q-1: COMMON AREA KITCHEN COUNTERTOP
2. TV (OFOI), PROVIDE BLKG IN WALL FOR TV. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA.
3. MULLIONMATE (OR SIMILAR) AT EXTERIOR STOREFRONT INTERSECTION.



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www.lordaecksargent.com

DRAWING TITLE:
INTERIOR ELEVATIONS - LAUNDRY

CURTIS J. MOODY
REGISTERED NO. 4996
COMMONWEALTH OF KENTUCKY
ARCHITECT

JANUARY 30, 2020
DRAWN BY: Author | CHECKED BY: Checker
#18237

A922

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PRINT DATE: 2/6/2020 5:19:44 PM
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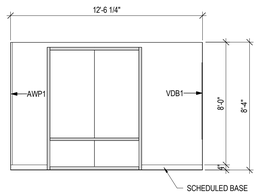
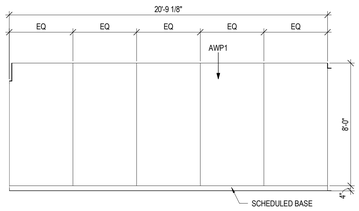
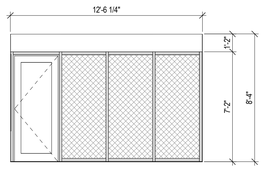


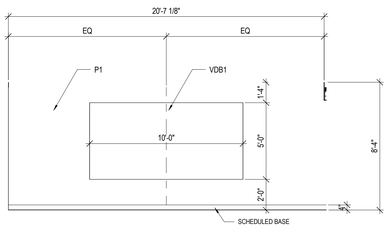
10 LVL (02-05) - STUDY - WEST
1/4" = 1'-0"



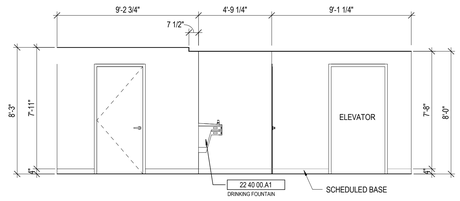
9 LVL (02-05) - STUDY - SOUTH
1/4" = 1'-0"



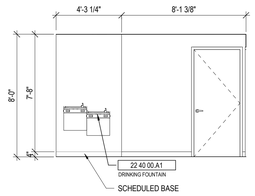
8 LVL (02-05) - STUDY - EAST
1/4" = 1'-0"



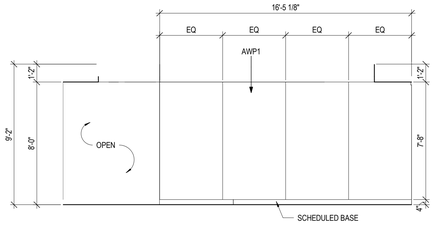
7 LVL (02-05) - STUDY - NORTH
1/4" = 1'-0"



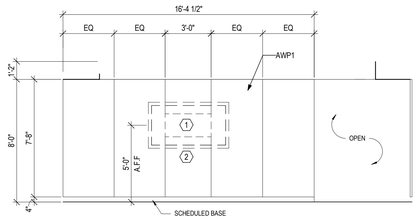
4 ELEVATOR LOBBY (LVL 02-05) - WEST
1/4" = 1'-0"



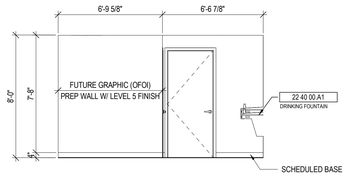
3 ELEVATOR LOBBY (LVL 02-05) - SOUTH
1/4" = 1'-0"



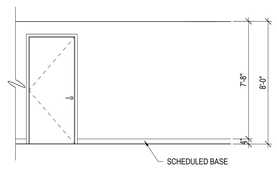
6 LOUNGE - WEST, TYP
1/4" = 1'-0"



5 LOUNGE - SOUTH, TYP.
1/4" = 1'-0"



2 ELEVATOR LOBBY (LVL 02-05) - EAST
1/4" = 1'-0"



1 ELEVATOR LOBBY (LVL 02-05) - NORTH
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

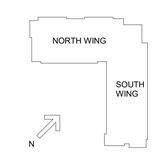
Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: COMMON AREA KITCHEN COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

CODED NOTE LEGEND

1 Just NOOK FOR TV MOUNTING BRACKET.
Q-1: COMMON AREA KITCHEN COUNTERTOP
2 TV (OFOI), PROVIDE BLKG IN WALL FOR TV. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA.
3 MULLIONMATE (OR SIMILAR) AT EXTERIOR STOREFRONT INTERSECTION.



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NEW RESIDENCE HALL
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DRAWING TITLE:
INTERIOR ELEVATIONS - COMMON AREA - LVL 2-5

JANUARY 30, 2020

DRAWN BY: Author | CHECKED BY: Checker

#18237

CURTIS J. MOODY REGISTERED NO. 4596 COMMONWEALTH OF KENTUCKY ARCHITECT

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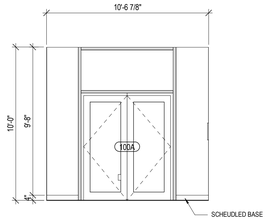
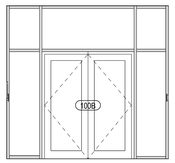
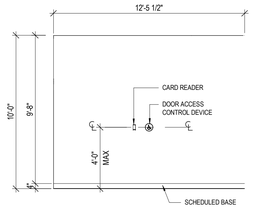


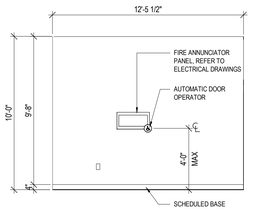
3 VESTIBULE 2 - EAST
1/4" = 1'-0"



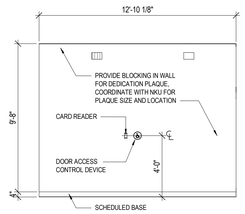
5 VESTIBULE 2 - WEST
1/4" = 1'-0"



2 VESTIBULE 2 - NORTH
1/4" = 1'-0"



4 VESTIBULE 2 - SOUTH
1/4" = 1'-0"



1 VESTIBULE 1 - NORTH
1/4" = 1'-0"

STATE OF KENTUCKY APPROVAL

FINISH LEGEND

FLOORS

Resilient Tile (LVT)
LVT1: LUXURY VINYL TILE, COLOR 1
LVT2: LUXURY VINYL TILE, COLOR 2

Polished Concrete (PC)
PC1: POLISHED CONCRETE, CLEAR

Sealed Concrete (SC)
SC1: SEALED CONCRETE, CLEAR

Ceramic Tile (CT)
CT3: FIELD COLOR FLOOR TILE

BASE

Rubber Base (RB)
RB1: RUBBER BASE, COLOR 1
RB2: RUBBER BASE, COLOR 2

WALLS

Ceramic Tile (CT)
CT1: FIELD COLOR WALL TILE
CT2: ACCENT COLOR WALL TILE

Paint (P)
P1: FIELD COLOR PAINT
P2: ACENT COLOR PAINT
P3: ACENT COLOR PAINT
P4: ACENT COLOR PAINT
P5: ACENT COLOR PAINT
P6: CEILING PAINT
P7: TRIM PAINT
P8: UNDERSIDE OF STRUCTURE PAINT

Acoustic Wall Panel (AWP)
AWP1: FABRIC WRAPPED ACOUSTIC WALL PANEL

CEILING

Wood Slat Ceiling (WD)
WD-1: DECORATIVE WOOD SLAT/ GRILLE CEILING

Acoustical Ceiling
AC-1: SUSPENDED ACOUSTICAL CEILING TILE
AC-2: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 1
AC-3: SUSPENDED ACOUSTIC FABRIC CLOUD, COLOR 2

MISCELLANEOUS

Visual Display Board (VDB)
VDB-1: GLASS MARKER BOARD

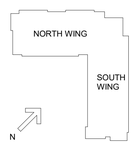
Plastic Laminate (PL)
PL-1: PLASTIC LAMINATE CABINETS
PL-2: PLASTIC LAMINATE CABINETS

Solid Surface (SS)
SS-1: COMMON AREA RESTROOM COUNTERTOP
SS-2: COMMON AREA RESTROOM COUNTERTOP

Quartz (Q)
Q-1: COMMON AREA KITCHENETTE COUNTERTOP

CODED NOTE LEGEND

1. NOOK FOR TV MOUNTING BRACKET.
2. OUTLETS IN WALL. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA.
3. MULLIONMATE (OR SIMILAR) AT EXTERIOR STOREFRONT INTERSECTION.



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www.lordaecksargent.com

DRAWING TITLE:
INTERIOR ELEVATIONS - VESTIBULE

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

#18237

CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

A924

BID & PERMIT SUBMITTAL

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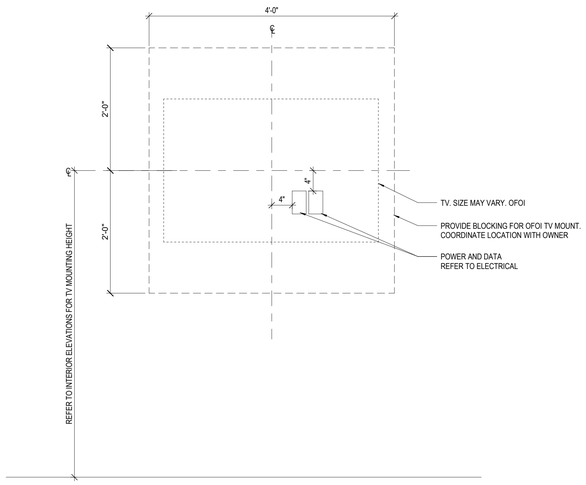
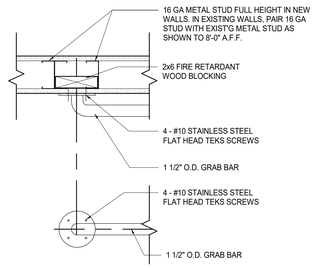
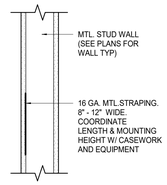


12 DETAIL TV MOUNTING DETAIL
1" = 1'-0"

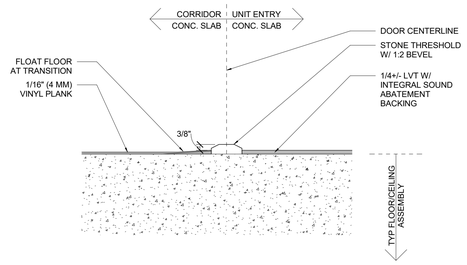


8 DETAIL DETAIL - Grab Bar Attachment
1 1/2" = 1'-0"

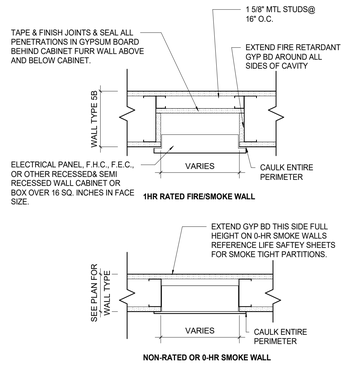


TYPICAL FOR ACCESSORIES OR OTHER WALL MOUNTED ITEMS. USE 2X WD BLOCKING AT CASEWORK

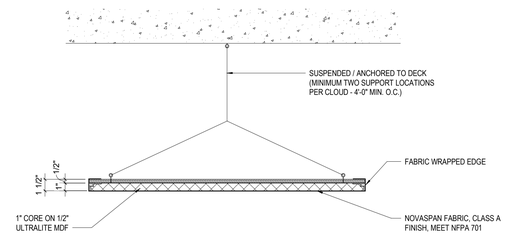
7 DETAIL Blocking Reinforcing
1 1/2" = 1'-0"



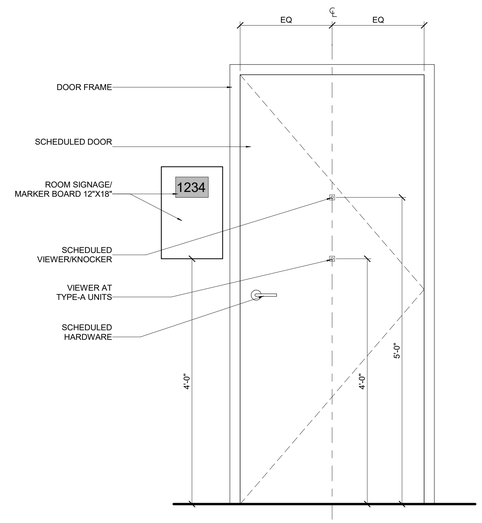
3 DETAIL UNIT FLOOR TRANS. - CORRIDOR ON CONCRETE
3" = 1'-0"



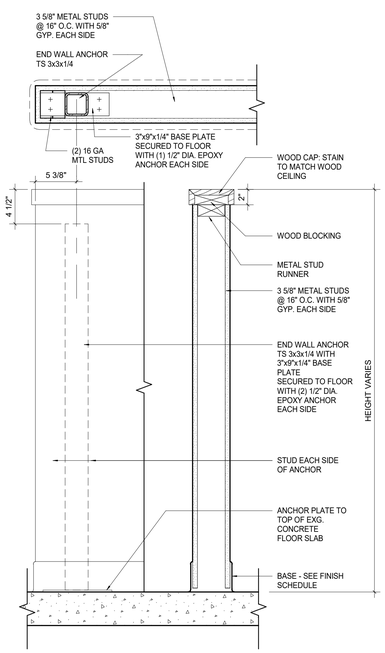
10 DETAIL Recessed Wall Cabinets
1 1/2" = 1'-0"



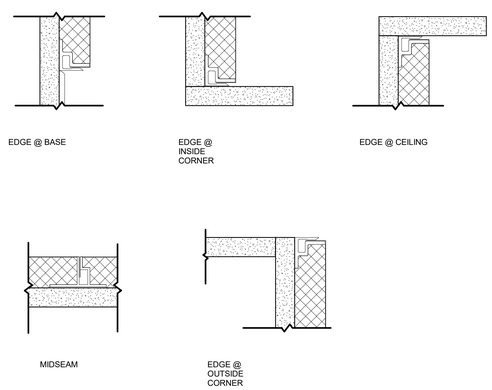
6 DETAIL ACOUSTIC CEILING CLOUD DETAIL
1 1/2" = 1'-0"



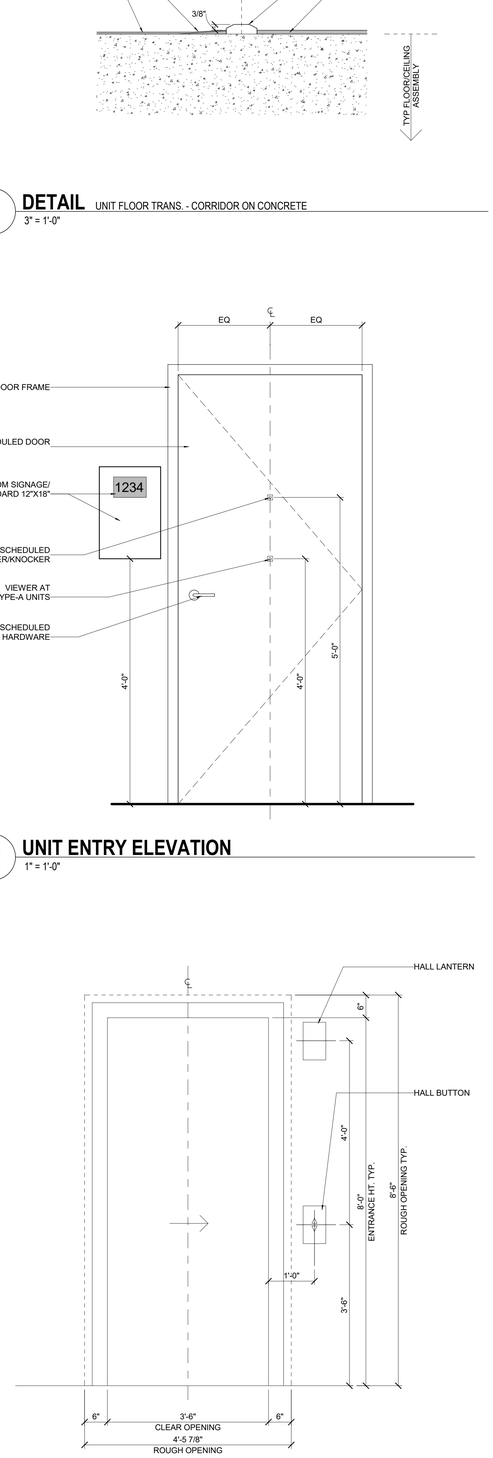
2 UNIT ENTRY ELEVATION
1" = 1'-0"



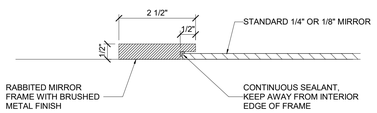
9 DETAIL Partial Height Wall
1 1/2" = 1'-0"



5 DETAIL ACOUSTIC WALL PANEL DETAILS
6" = 1'-0"



1 ELEVATOR DOOR
3/4" = 1'-0"



4 DETAIL VANITY MIRROR
6" = 1'-0"

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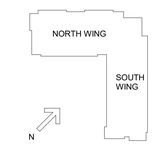

#	DATE	CHANGE DESCRIPTION

NKU NORTHERN KENTUCKY UNIVERSITY

NEW RESIDENCE HALL
KENTON DRIVE & CARROLL DRIVE
HIGHLAND HEIGHTS, KY 41099
FOR
NORTHERN KENTUCKY UNIVERSITY

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MISCELLANEOUS DETAILS

JANUARY 30, 2020

DRAWN BY: XXX | CHECKED BY: XXX

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CURTIS J. MOODY REGISTERED NO. 4996 COMMONWEALTH OF KENTUCKY ARCHITECT

PRINT DATE: 2/6/2020 5:20:06 PM
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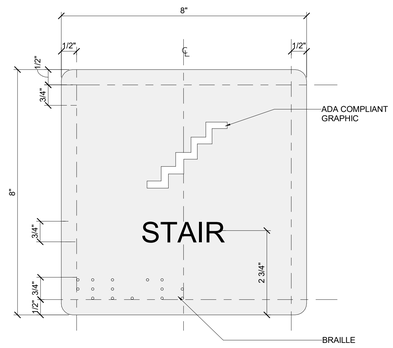
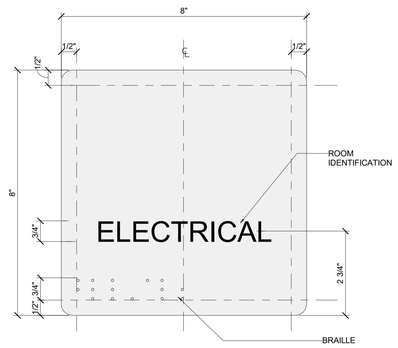


3 SIGN TYPE D
6" = 1'-0"



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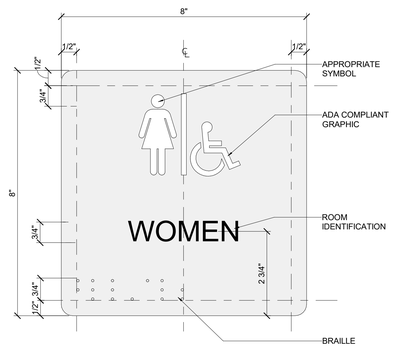
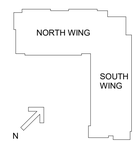


1 SIGN TYPE B
6" = 1'-0"

STATE OF KENTUCKY APPROVAL



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DRAWING TITLE:

INTERIOR SIGNAGE

CURTIS J. MOODY
REGISTERED
NO. 4996
COMMONWEALTH OF KENTUCKY
ARCHITECT

JANUARY 30, 2020

DRAWN BY: **Author** CHECKED BY: **Checker**

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