Nunn Drive | Highland Heights, Kentucky 41099

SHP LEADING DESIGN - ARCHITECT

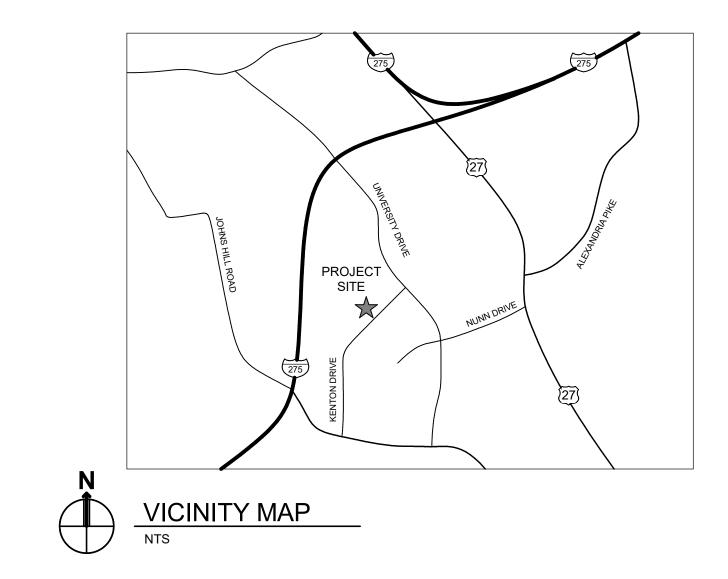
312 Plum Street, Suite 700, Cincinnati, OH 45212 PHONE: (513) 381-2112 FAX: (513) 381-5121

GOP LIMITED - STRUCTURAL ENGINEER

644 Linn Street, Suite 936, Cincinnati, OH 45203-1738 PHONE: (513) 621-7073 FAX: (513) 621-0434

CMTA CONSULTING ENGINEERS - PME ENGINEER

855 Grandview Ave., Columbus, OH 43215 PHONE: (614) 443-1178 FAX: (614) 443-1594 BSHP



SHEET INDEX

| GENERAL GOOD TITLE SHEET GOOD CODE DATA - LOWER LEVEL AND FIRST FLOOR GOOD CODE DATA - SECOND AND THIRD FLOORS DEMOLITION DEMOLITION PAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE | | Υ΄Υ΄ | γ , | γ | Y | Y * | γ , | Y * | |
|--|---|--|--|---------------------------------------|--|---|---|---|-----|
| G001 CODE DATA - LOWER LEVEL AND FIRST FLOOR P200 NOT USED FIRST FLOOR PLAN - PLUMBING DEMOLITION P202 NOT USED P203 NOT USED P203 NOT USED P204 NOT USED P205 NOT USED P206 NOT USED P206 NOT USED P207 NOT USED P208 NOT USED P209 | | GEN | IERAL | | | 1 | PLUMBING | | |
| DEMOLITION P301 NOT USED D101 OVERALL FIRST AND SECOND FLOOR DEMO PLANS D102 OVERALL SECOND AND THIRD FLOOR DEMO PLANS D103 ENLARGED DEMO PLANS D105 ENLARGED DEMO PLANS D106 ENLARGED DEMO PLANS D107 ENLARGED DEMO PLANS D107 ENLARGED DEMO PLANS D108 ENLARGED DEMO PLANS ACCUPATION OF THE PLANS M200 LOWER LEVEL PLAN - HVAC DEMOLITION A051 OVERALL FIRST AND SECOND FLOOR PLANS A052 OVERALL SECOND AND THIRD FLOOR PLANS A053 OVERALL ROOF PLAN A101 FLOOR PLANS A101 FLOOR PLANS A101 NOT USED A061 INTERIOR FINISH PLANS B101 OVERALL SECOND AND THIRD FLOOR DEMO PLANS A070 M07 USED STRUCTURAL SUMMOR MECHANICAL LEGEND LOWER LEVEL PLAN - HVAC DEMOLITION A108 M300 LOWER LEVEL PLAN - HVAC DEMOLITION A109 FLOOR PLAN - HVAC DEMOLITION A109 FLOOR PLAN - HVAC DEMOLITION A101 FROST FLOOR PLAN - HVAC DEMOLITION A102 SECOND FLOOR PLAN - HVAC A401 REFLECTED CEILING PLANS A601 INTERIOR FINISH PLANS M400 MECHANICAL DETAILS M500 MECHANICAL SCHEDULES STRUCTURAL SUMMOR MECHANICAL SCHEDULES STRUCTURAL SUMMOR MECHANICAL DETAILS M500 M500 MECHANICAL DETAILS M500 M500 MECHANICAL DETAILS M500 M500 M500 M500 M500 M500 M500 M500 | G001 | CODE DATA - LOWER | | | P200 P201 P202 P203 | NOT USED FIRST FLO NOT USED NOT USED |) OOR PLAN - PLUMI)) | | |
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| FIRE PROTECTION E402 SECOND FLOOR PLAN - POWER/SYSTEMS FP301 NOT USED FP302 NOT USED E402 SECOND FLOOR PLAN - POWER/SYSTEMS E403 THIRD FLOOR PLAN - POWER/SYSTEMS E404 ATTIC PLAN - POWER/SYSTEMS | \$101 \$102 \$201 \$202 \$250 | OVERALL LOWER LE OVERALL SECOND A OVERALL LOWER LE OVERALL SECOND A NOT USED | EVEL AND FIRST FLOC AND THIRD FLOOR DE EVEL AND FIRST FLOC | OR DEMO PLANS MO PLANS OR PLANS | E201 E202 E203 E301 E302 E303 | ELECTRIC FIRST FLO SECOND F THIRD FLO FIRST FLO SECOND F THIRD FLO | AL LEGEND OOR PLAN - ELECT FLOOR PLAN - ELECT OOR PLAN - ELECT OOR PLAN - LIGHT FLOOR PLAN - LIGHT OOR PLAN - LIGHT | TRICAL DEMOLITI ECTRICAL DEMOL TRICAL DEMOLIT ING HTING | _IT |
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ISSUANCES 01-14-19 SCOPE REDUCTION

COMM NO. 2018066.0

ALTERNATES

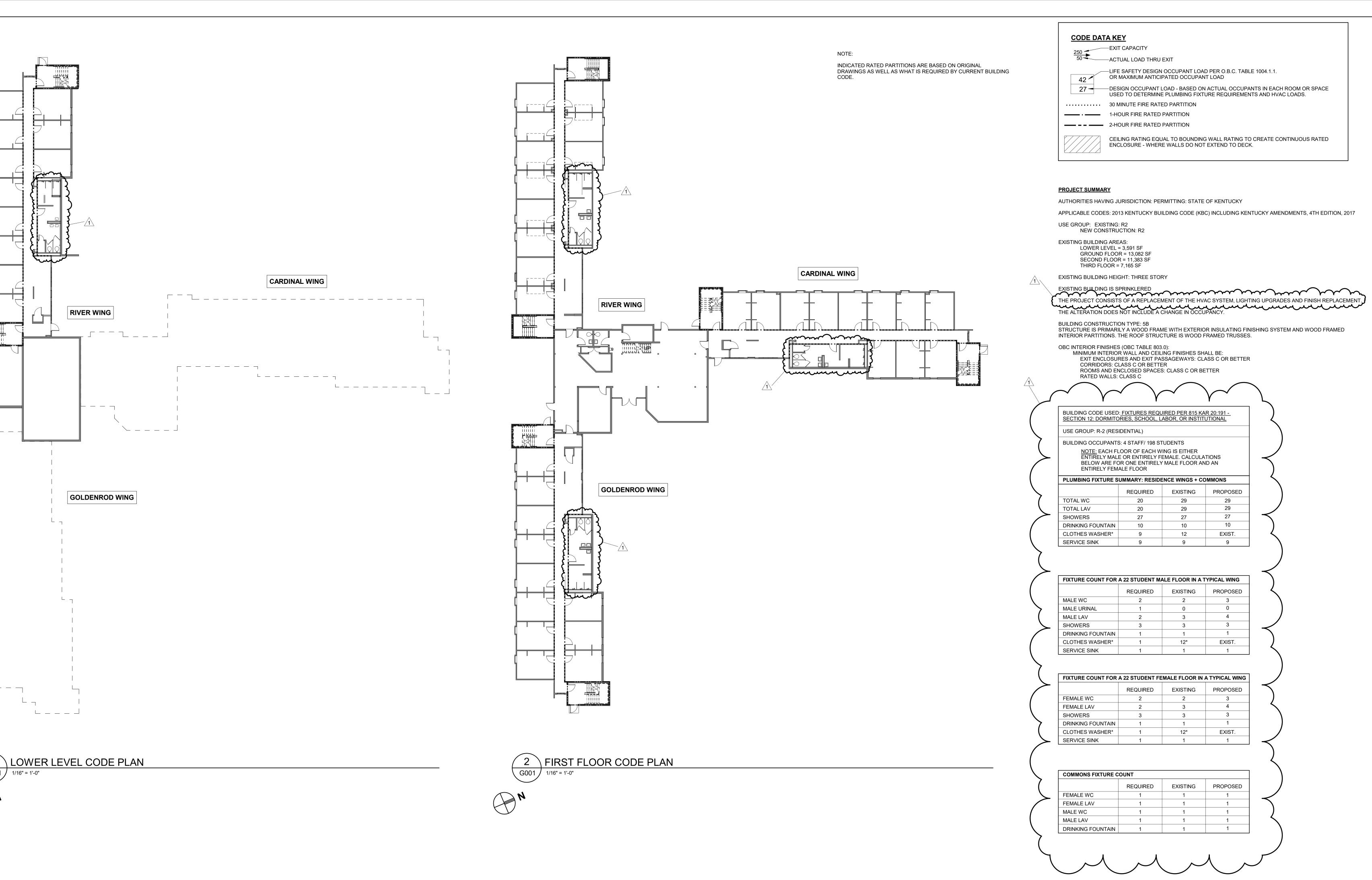
OWNER PREFERRED HVAC VRF EQUIPMENT MANUFACTURER DAIKIN IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. REFER TO SPECIFICATION SECTION 230200 HVAC EQUIPMENT. ALTERNATE 2: PROVIDE NEW FLOOR FINISHES

UNIT PRICES

UNIT PRICE 1: PROVIDE MATERIAL AND LABOR UNIT PRICE FOR REPLACING ONE DUPLEX RECEPTACLE WITH A DUPLEX + 2 USB (MINIMUM 3A CHARGING AMPERAGE) IN THE BEDROOM UNITS

ALTERNATE 1: PROVIDE ALL LABOR MATERIAL AND EQUIPMENT TO INSTALL





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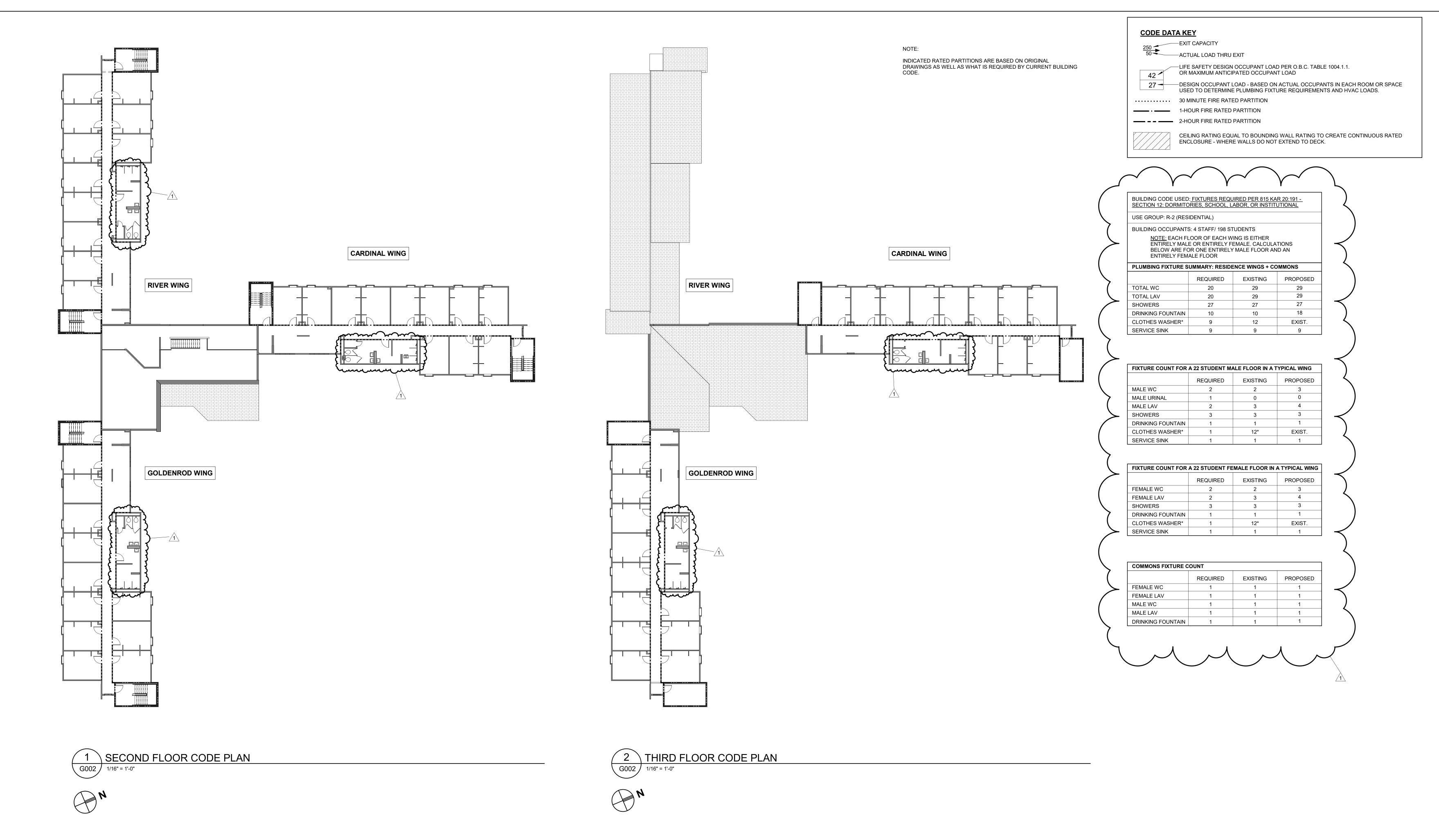
Nunn Drive | Highland Heights, Kentucky 41099

> **ISSUANCES** 01-14-19 SCOPE REDUCTION

CODE DATA -LOWER LEVEL AND FIRST FLOOR

10/19/18 COMM NO. 2018066.01

G001



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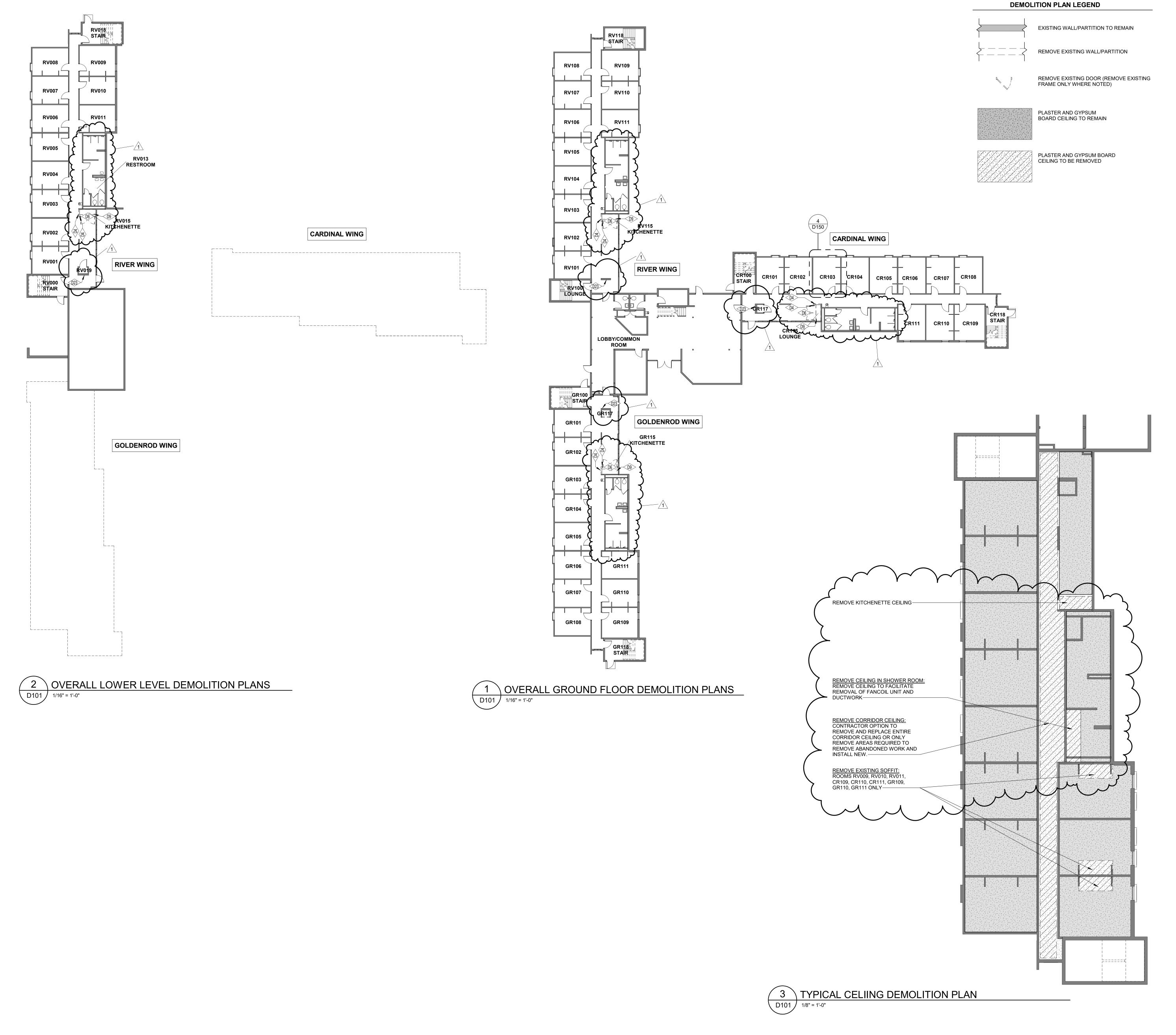
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| 10-19-18 PERMIT/BID SET | | | | | | | | |
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CODE DATA -SECOND AND THIRD FLOORS

10/19/18 COMM NO. 2018066.01

G002





GENERAL DEMOLITION PLAN NOTES

A. ALL EQUIPMENT AND FURNISHING REMOVED BY B. REPAIR EXISITNG SURFACES WHERE DEMOLITION HAS

OCCURED FOR NEW CONSTRUCTION. GENERAL CONTRACTOR SHALL PATCH/REPAIR WALL, FLOOR, AND CEILING SURFACES AFFECTED BY DEMOLITION WORK AND SHALL PATCH HOLES IN EXISTING WALLS REMAINING AFTER DEMOLITION OF DUCTWORK/PIPING THAT WILL NOT BE REUSED FOR NEW WORK. PATCHING OF SURAFACES THAT ARE CUT FOR NEW WORK SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE PRIME CONTRACTOR PERFORMING THE WORK. ALL REPAIRS SHALL MATCH EXISTING ADJACENT SURFACES IN FINISH AND MATERIAL, FINISH AND TEXTURE.

C. REFER TO MECHANICAL, ELECTRICAL AND PLUMBINGDRAWINGS FOR ADDITIONAL DEMOLITION

NOTES. D. OWNER HAS FIRST SALVAGE RIGHTS TO ALL

DEMOLITION ITEMS.

P. FLOORING FINISHES TO BE DEMOLISED WILL BE F. REMOVE ALL EXISTING SUSPENDED ACOUSTIC PANEL CEILING SYSTEMS, GRID, ALL ASSOCIATED HANGERS, PLASTER AND GYPSUM BOARD SOFFITS AND CEILINGS IN AREAS TO RECEIVE CEILINGS AS SHOWN ON SHEET A101, A150, A151.

G. ALL PARTITIONS TO BE DEMOLISHED ARE TO BE REMOVED COMPLETELY INCLUDING FRAMING, GYPSUM BOARD, FINISHES, ACCESSORIES, AND SUPPORTING BRACES OR KICKERS UNLESS NOTED OTHERWISE H. ALL DOORS AND FRAMES TO BE REMOVED ARE TO BE REMOVED COMPLETELY INCLUDING ALL ANCHORS, SEALANTS, HARDWARE, AND ACCESSORIES UNLESS NOTED OTHERWISE

I. WHERE EXISTING WOOD SUBFLOORS OR SUBSTRATES ARE DAMAGED REMOVE DAMAGED MATERIAL FROM CENTER OF JOIST TO CENTER OF JOIST. REPLACE UNDERLAYMENT WITH STURD-I-FLOOR SYSTEM OR EQUAL. SCREW DOWN REPLACEMENT PANELS

DEMOLITION KEYNOTES

D1 NOT USED REMOVE SUSPENDED PASTER CEILING SYSTEM INCLUDING ALL SUPPORTING FRAMING

D3 NOT USED D4 REMOVE WOOD FRAMED PARTITIONS TO THE EXTENT INDICATED ON THE PLAN.

D5 NOT USED D6 REMOVE EXISTING DOOR AND FRAME

D9 REMOVE COUNTERTOP/CASEWORK

D10 NOT USED D11 NOT USED

D12 NOT USED D16 NOT USED

D18 EXISTING FANCOIL UNIT TO BE REMOVED - SEE MEP

D19 REMOVE WOOD FRAMED CURB

D20 EXISTING PIPING TO BE REMOVED - SEE MEP SHEETS D21 PATCH AND REPAIR EIFS WHERE WALL PENETRATIONS INCLUDING EXHAUST FANS, GRILLES, DUCTS, AND PIPING HAVE BEEN REMOVED

D23 REMOVE WOOD SIDING FROM WALL. PRESERVE WALL

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OMMONWEALTH HALL RENO

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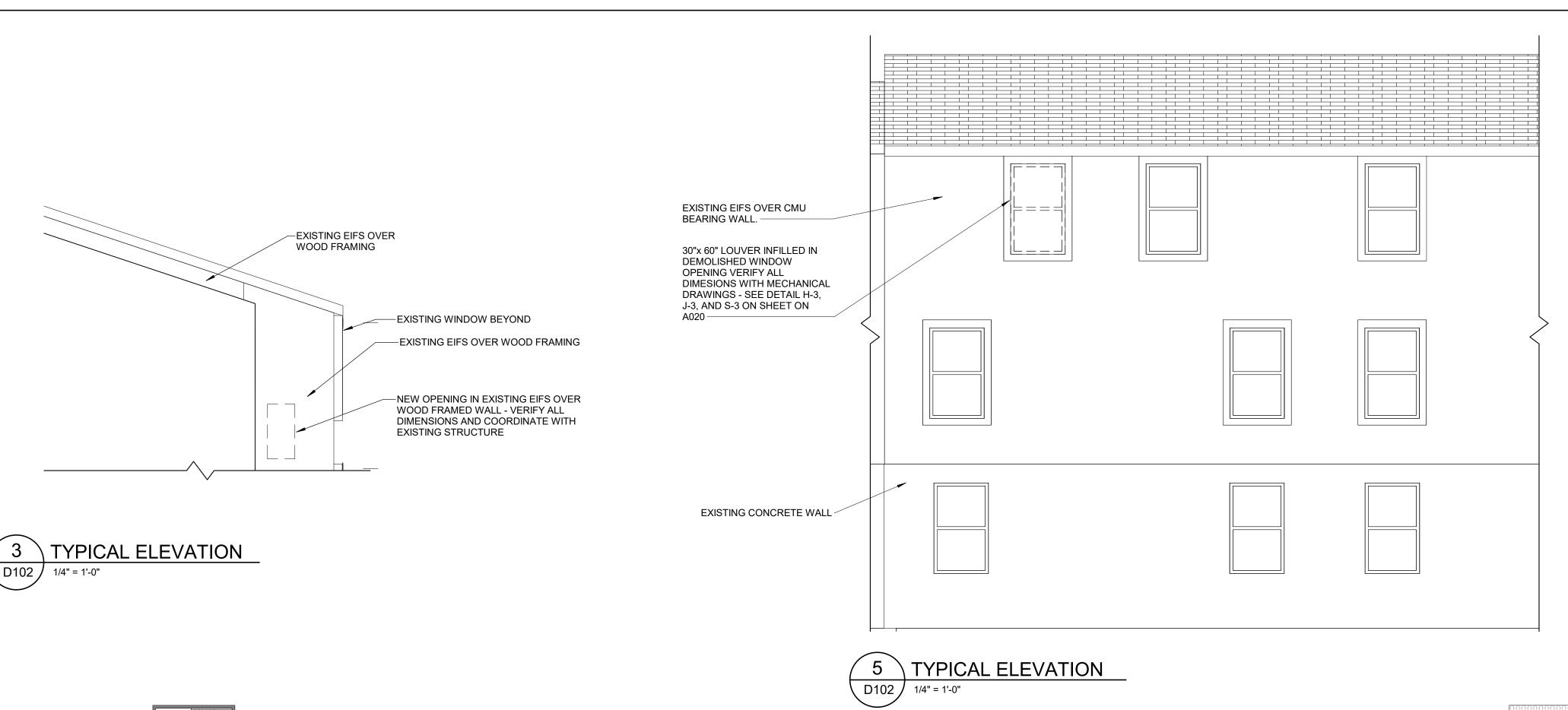
| ISSUANCES | | | | | | | | |
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OVERALL FIRST AND SECOND FLOOR DEMO **PLANS**

10/19/18 COMM NO. 2018066.01

D101





CARDINAL WING

CR204

CR205

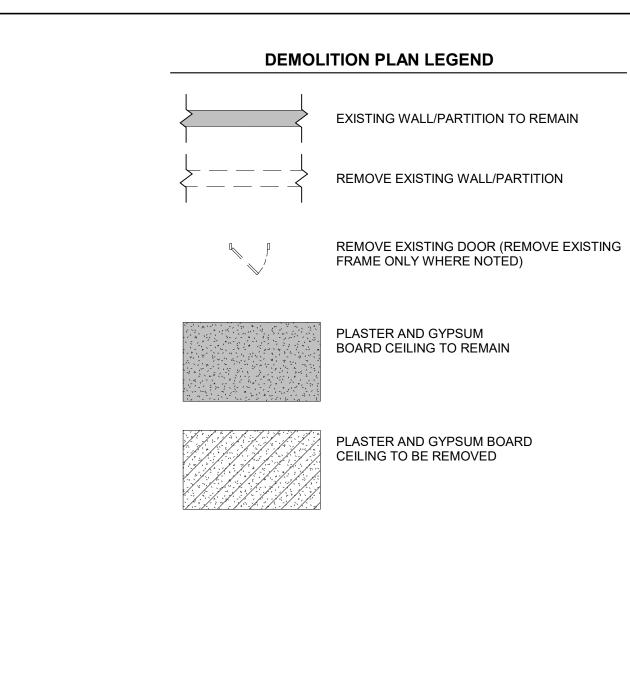
CR206

CR207

STAIR

CR209

CR203



GENERAL DEMOLITION PLAN NOTES A. ALL EQUIPMENT AND FURNISHING REMOVED BY

B. REPAIR EXISITNG SURFACES WHERE DEMOLITION HAS

OCCURED FOR NEW CONSTRUCTION. GENERAL CONTRACTOR SHALL PATCH/REPAIR WALL, FLOOR, AND CEILING SURFACES AFFECTED BY DEMOLITION WORK AND SHALL PATCH HOLES IN EXISTING WALLS REMAINING AFTER DEMOLITION OF DUCTWORK/PIPING THAT WILL NOT BE REUSED FOR NEW WORK. PATCHING OF SURAFACES THAT ARE CUT FOR NEW WORK SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE PRIME CONTRACTOR PERFORMING THE WORK. ALL REPAIRS SHALL MATCH EXISTING ADJACENT SURFACES IN FINISH AND MATERIAL, FINISH AND TEXTURE.

C. REFER TO MECHANICAL, ELECTRICAL AND PLUMBINGDRAWINGS FOR ADDITIONAL DEMOLITION

NOTES. D. OWNER HAS FIRST SALVAGE RIGHTS TO ALL

DEMOLITION ITEMS. P. FLOORING FINISHES TO BE DEMOLISED WILL BE F. REMOVE ALL EXISTING SUSPENDED ACOUSTIC PANEL

CEILING SYSTEMS, GRID, ALL ASSOCIATED HANGERS, PLASTER AND GYPSUM BOARD SOFFITS AND CEILINGS IN AREAS TO RECEIVE CEILINGS AS SHOWN ON SHEET A101, A150, A151. G. ALL PARTITIONS TO BE DEMOLISHED ARE TO BE REMOVED COMPLETELY INCLUDING FRAMING, GYPSUM

BOARD, FINISHES, ACCESSORIES, AND SUPPORTING BRACES OR KICKERS UNLESS NOTED OTHERWISE H. ALL DOORS AND FRAMES TO BE REMOVED ARE TO BE REMOVED COMPLETELY INCLUDING ALL ANCHORS, SEALANTS, HARDWARE, AND ACCESSORIES UNLESS NOTED OTHERWISE I. WHERE EXISTING WOOD SUBFLOORS OR SUBSTRATES ARE DAMAGED REMOVE DAMAGED MATERIAL FROM CENTER OF JOIST TO CENTER OF JOIST. REPLACE UNDERLAYMENT WITH STURD-I-FLOOR SYSTEM OR

EQUAL. SCREW DOWN REPLACEMENT PANELS

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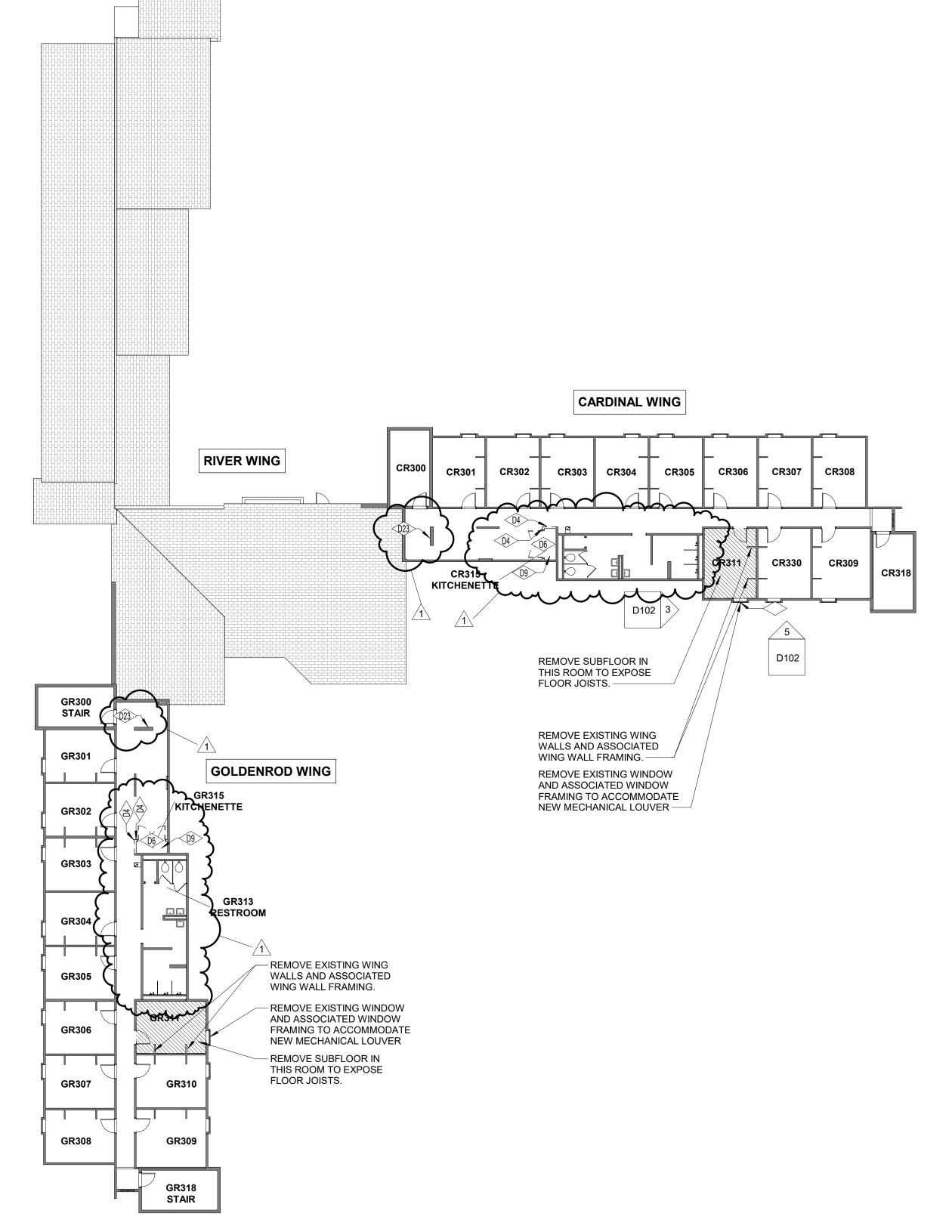
ISSUANCES 01-14-19 SCOPE REDUCTION

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OVERALL SECOND AND THIRD FLOOR DEMO PLANS

10/19/18 COMM NO. 2018066.01

D102



2 OVERALL THIRD FLOOR DEMOLITION PLAN

D102 1/16" = 1'-0"





RV208

RV205

RV204

RV203

RV202

GR203

GR205

GR206

GR207

GR210

RV210

KITCHENETTE

KITCHENETTE

GOLDENROD WING

200

REMOVE SUBFLOOR IN THIS ROOM TO EXPOSE

- REMOVE EXISTING WINDOW AND ASSOCIATED WINDOW FRAMING TO ACCOMMODATE NEW MECHANICAL LOUVER

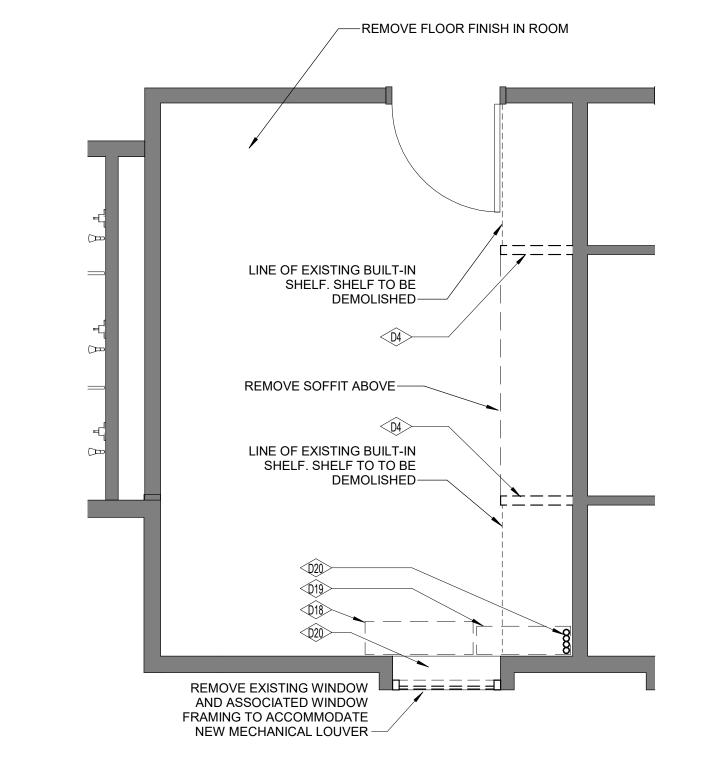
- REMOVE EXISTING WING WALLS AND ASSOCIATED WING

CR201

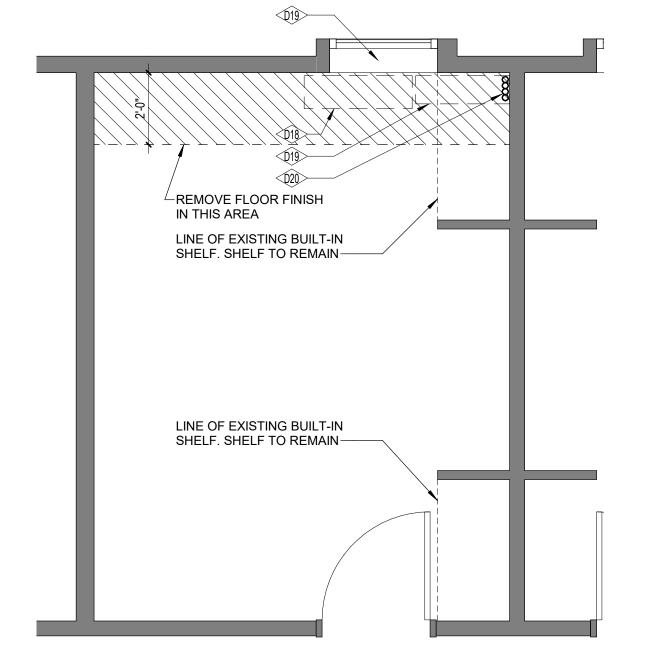
WALL FRAMING.

FLOOR JOISTS.





3 \ RV211, CR311, GR311 BEDROOM DEMOLITION PLAN



GENERAL DEMOLITION PLAN NOTES

A. ALL EQUIPMENT AND FURNISHING REMOVED BY

B. REPAIR EXISITNG SURFACES WHERE DEMOLITION HAS OCCURED FOR NEW CONSTRUCTION. GENERAL CONTRACTOR SHALL PATCH/REPAIR WALL, FLOOR, AND CEILING SURFACES AFFECTED BY DEMOLITION WORK AND SHALL PATCH HOLES IN EXISTING WALLS REMAINING AFTER DEMOLITION OF DUCTWORK/PIPING THAT WILL NOT BE REUSED FOR NEW WORK. PATCHING OF SURAFACES THAT ARE CUT FOR NEW WORK SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE PRIME CONTRACTOR PERFORMING THE WORK. ALL REPAIRS SHALL MATCH EXISTING ADJACENT SURFACES IN FINISH AND MATERIAL, FINISH AND TEXTURE.

C. REFER TO MECHANICAL, ELECTRICAL AND PLUMBINGDRAWINGS FOR ADDITIONAL DEMOLITION

D. OWNER HAS FIRST SALVAGE RIGHTS TO ALL

DEMOLITION ITEMS. P. FLOORING FINISHES TO BE DEMOLISED WILL BE

REMOVED BY OWNER BEFORE THE PROJECT BEGINS.

F. REMOVE ALL EXISTING SUSPENDED ACOUSTIC PANEL CEILING SYSTEMS, GRID, ALL ASSOCIATED HANGERS, PLASTER AND GYPSUM BOARD SOFFITS AND CEILINGS IN AREAS TO RECEIVE CEILINGS AS SHOWN ON SHEET A101, A150, A151. G. ALL PARTITIONS TO BE DEMOLISHED ARE TO BE REMOVED COMPLETELY INCLUDING FRAMING, GYPSUM

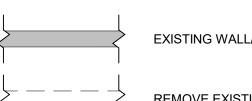
BOARD, FINISHES, ACCESSORIES, AND SUPPORTING BRACES OR KICKERS UNLESS NOTED OTHERWISE H. ALL DOORS AND FRAMES TO BE REMOVED ARE TO BE REMOVED COMPLETELY INCLUDING ALL ANCHORS, SEALAN<u>TS, HARDWARE, AND</u> ACCESSORIES UNLESS NOTED OTHERWISE

I. WHERE EXISTING WOOD SUBFLOORS OR SUBSTRATES ARE DAMAGED REMOVE DAMAGED MATERIAL FROM CENTER OF JOIST TO CENTER OF JOIST. REPLACE UNDERLAYMENT WITH STURD-I-FLOOR SYSTEM OR EQUAL. SCREW DOWN REPLACEMENT PANELS

DEMOLITION KEYNOTES

- D1 NOT USED D2 REMOVE SUSPENDED PASTER CEILING SYSTEM
- INCLUDING ALL SUPPORTING FRAMING D3 NOT USED
- D4 REMOVE WOOD FRAMED PARTITIONS TO THE EXTENT INDICATED ON THE PLAN. D5 NOT USED
- D6 REMOVE EXISTING DOOR AND FRAME D9 REMOVE COUNTERTOP/CASEWORK
- D10 NOT USED D11 NOT USED
- D12 NOT USED D16 NOT USED
- D18 EXISTING FANCOIL UNIT TO BE REMOVED SEE MEP SHEETS
- D19 REMOVE WOOD FRAMED CURB D20 EXISTING PIPING TO BE REMOVED - SEE MEP SHEETS
- D21 PATCH AND REPAIR EIFS WHERE WALL PENETRATIONS INCLUDING EXHAUST FANS, GRILLES, DUCTS, AND PIPING HAVE BEEN REMOVED
- D23 REMOVE WOOD SIDING FROM WALL. PRESERVE WALL FRAMING

DEMOLITION PLAN LEGEND

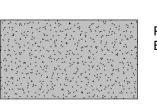


EXISTING WALL/PARTITION TO REMAIN

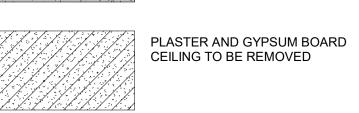
REMOVE EXISTING WALL/PARTITION



REMOVE EXISTING DOOR (REMOVE EXISTING FRAME ONLY WHERE NOTED)



PLASTER AND GYPSUM BOARD CEILING TO REMAIN





C

NOL

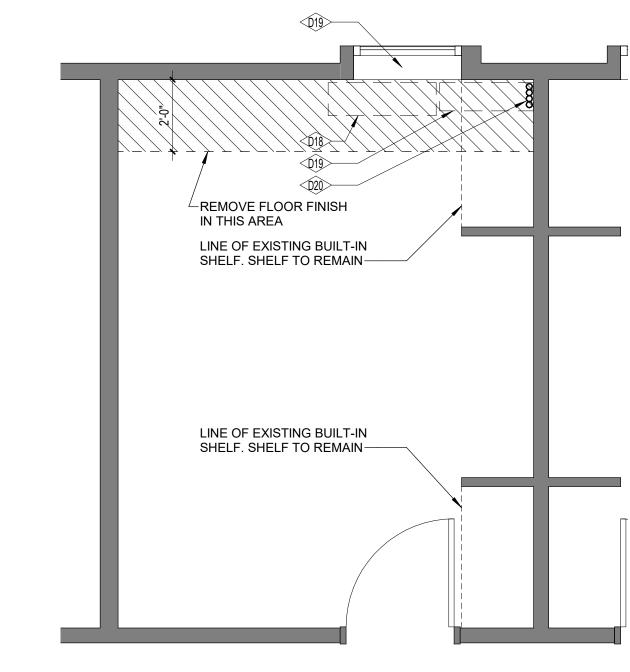
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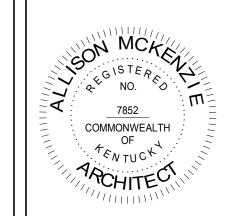
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ENLARGED DEMO PLANS

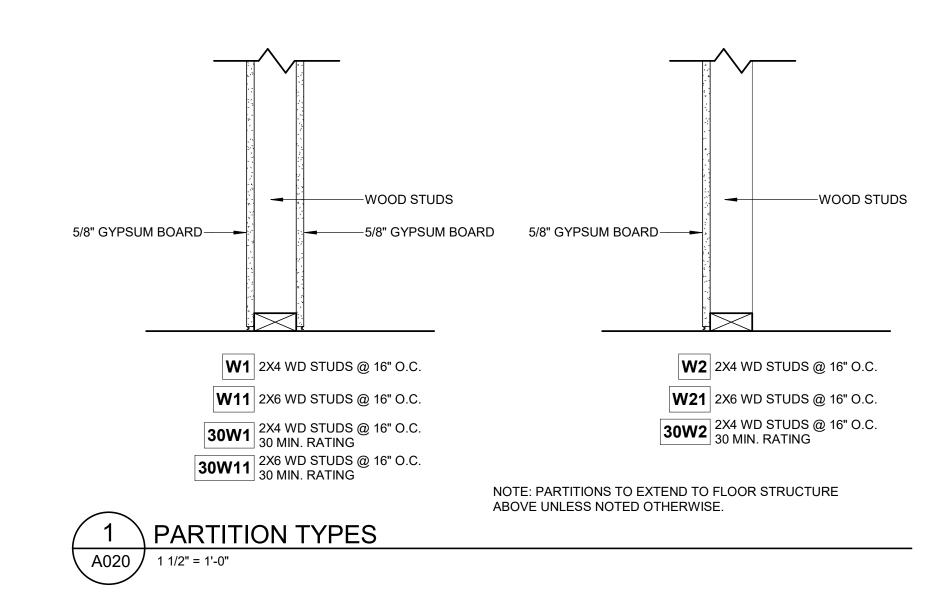
10/19/18 COMM NO. 2018066.01



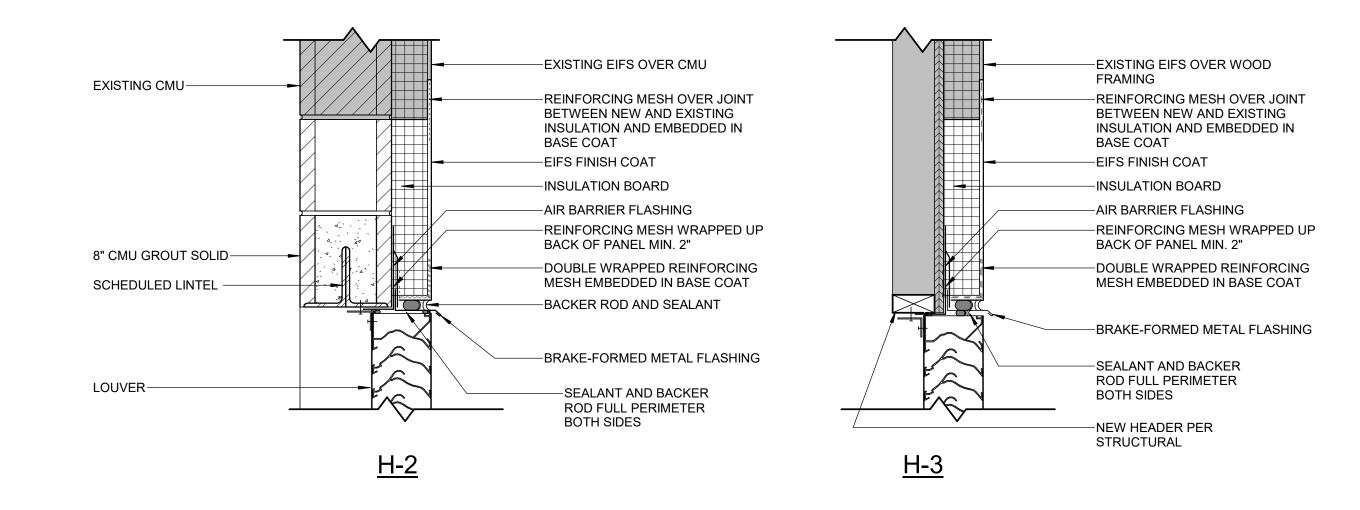
4 \ TYPICAL BEDROOM DEMOLITION PLAN



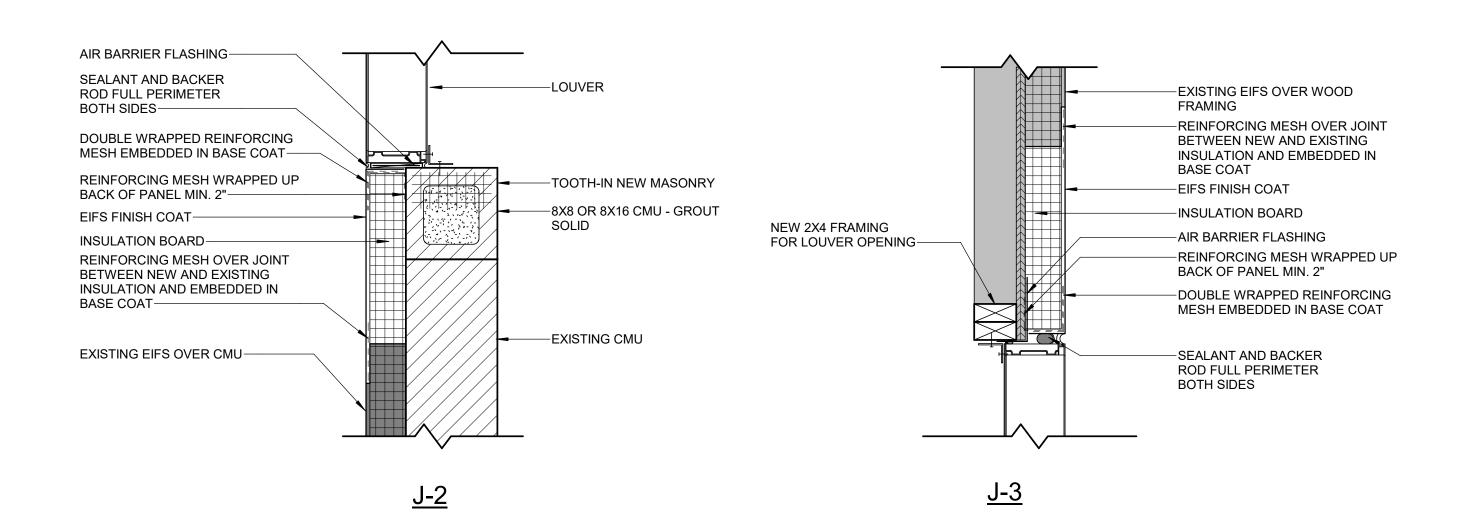
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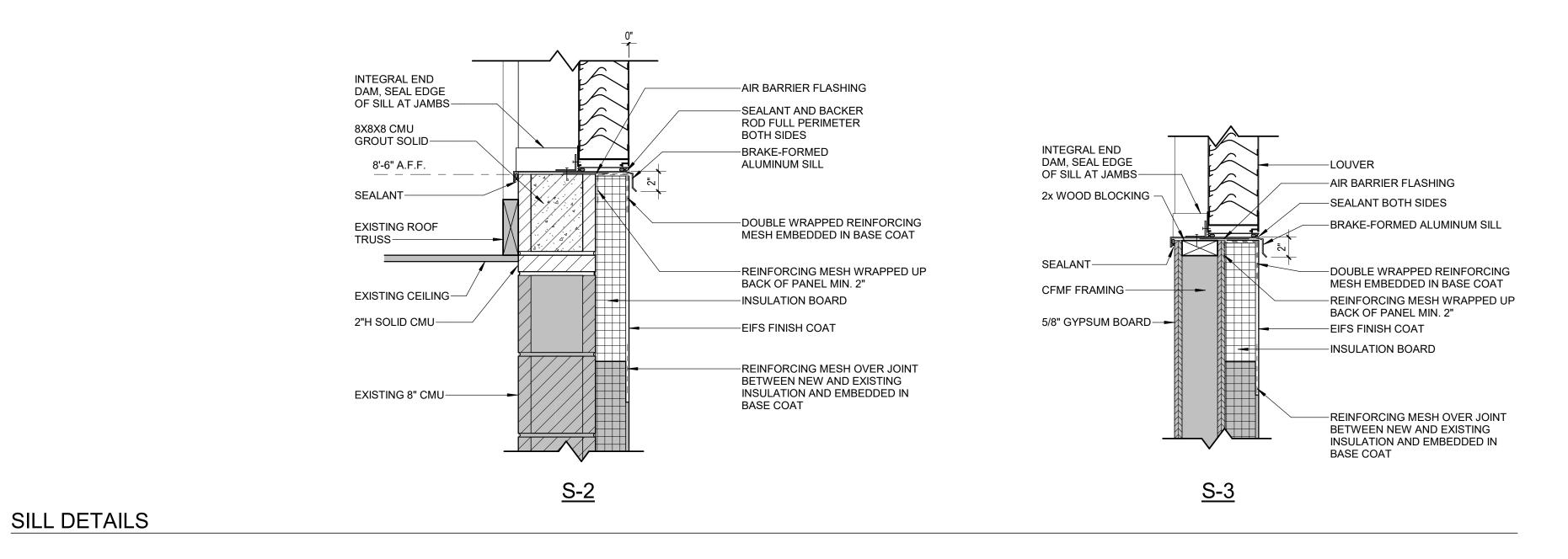


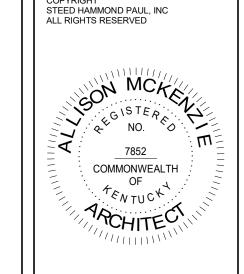


HEAD DETAILS



JAMB DETAILS





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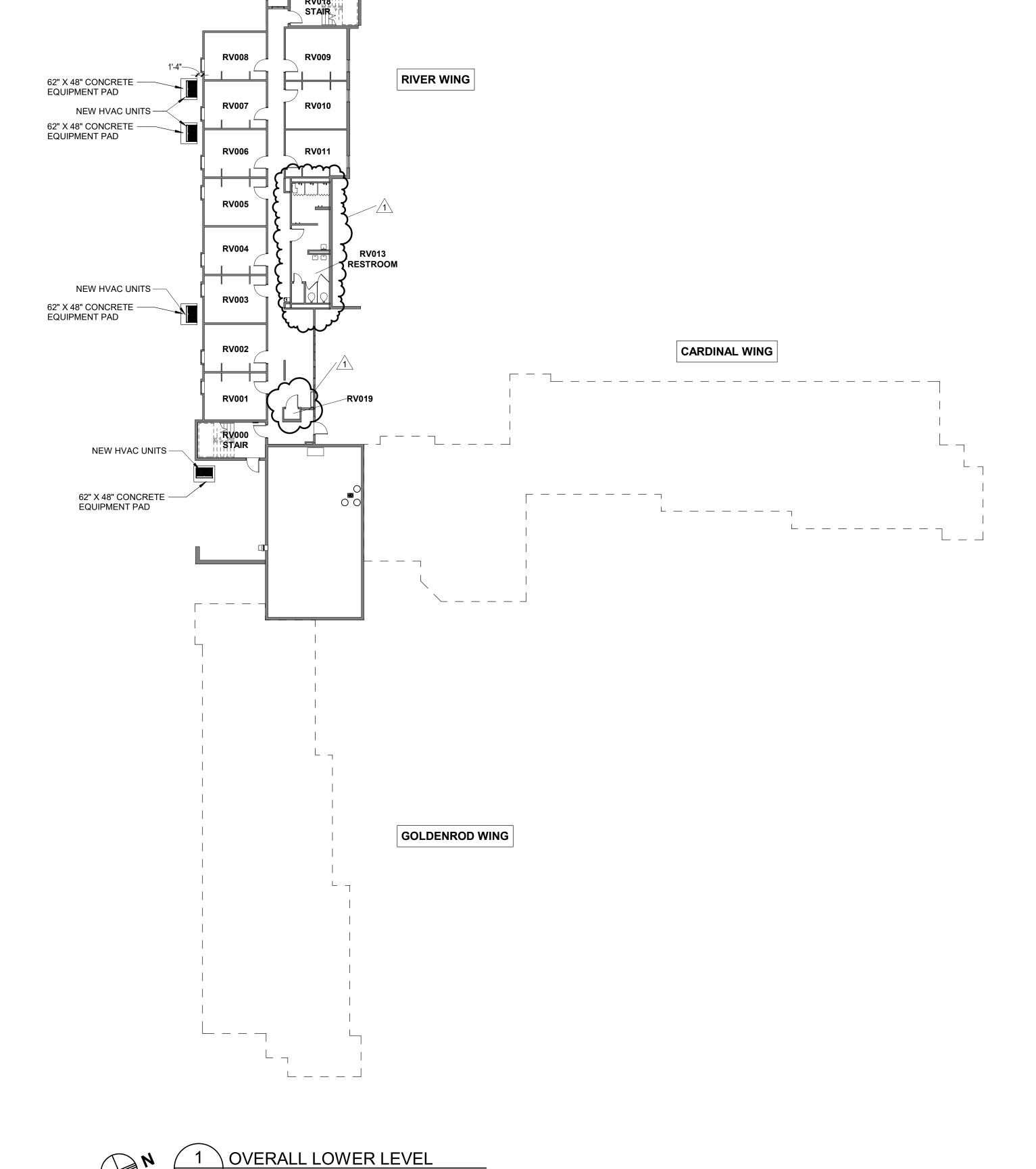
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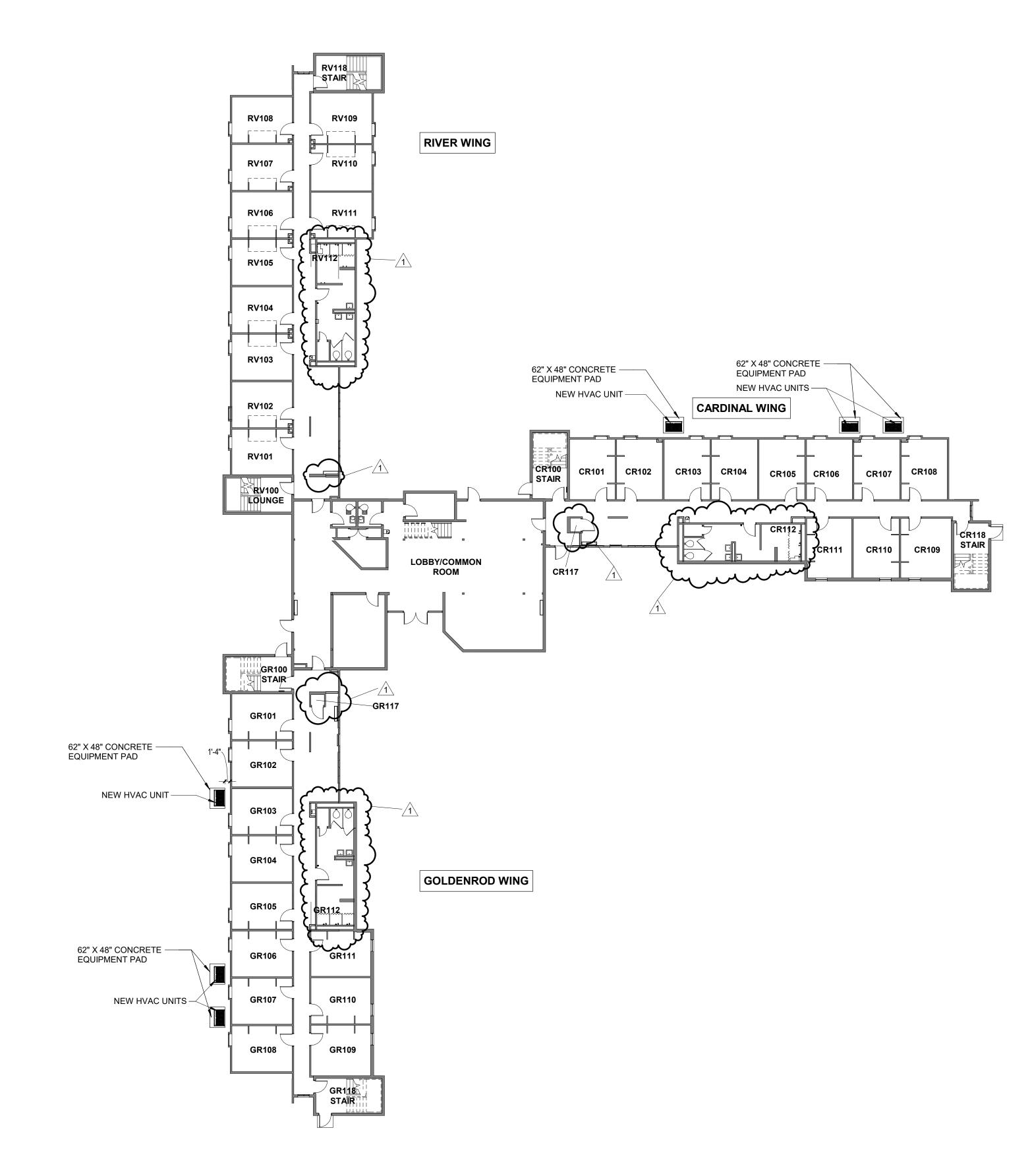
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DOOR FRAME **OPENING TYPES**

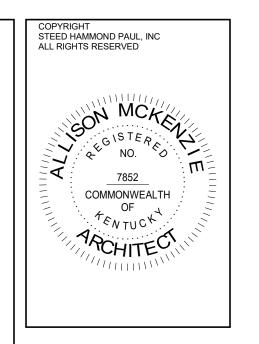
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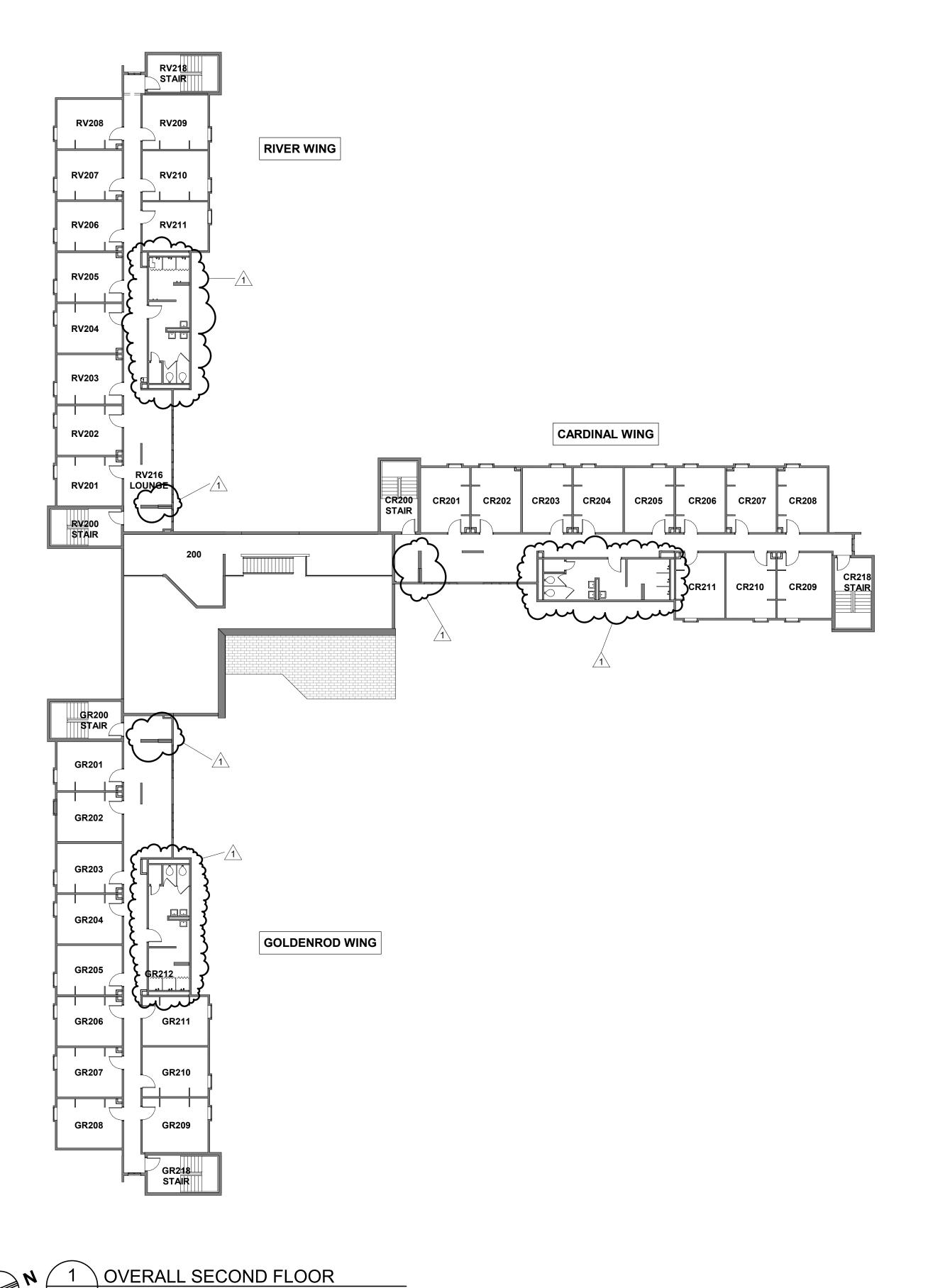
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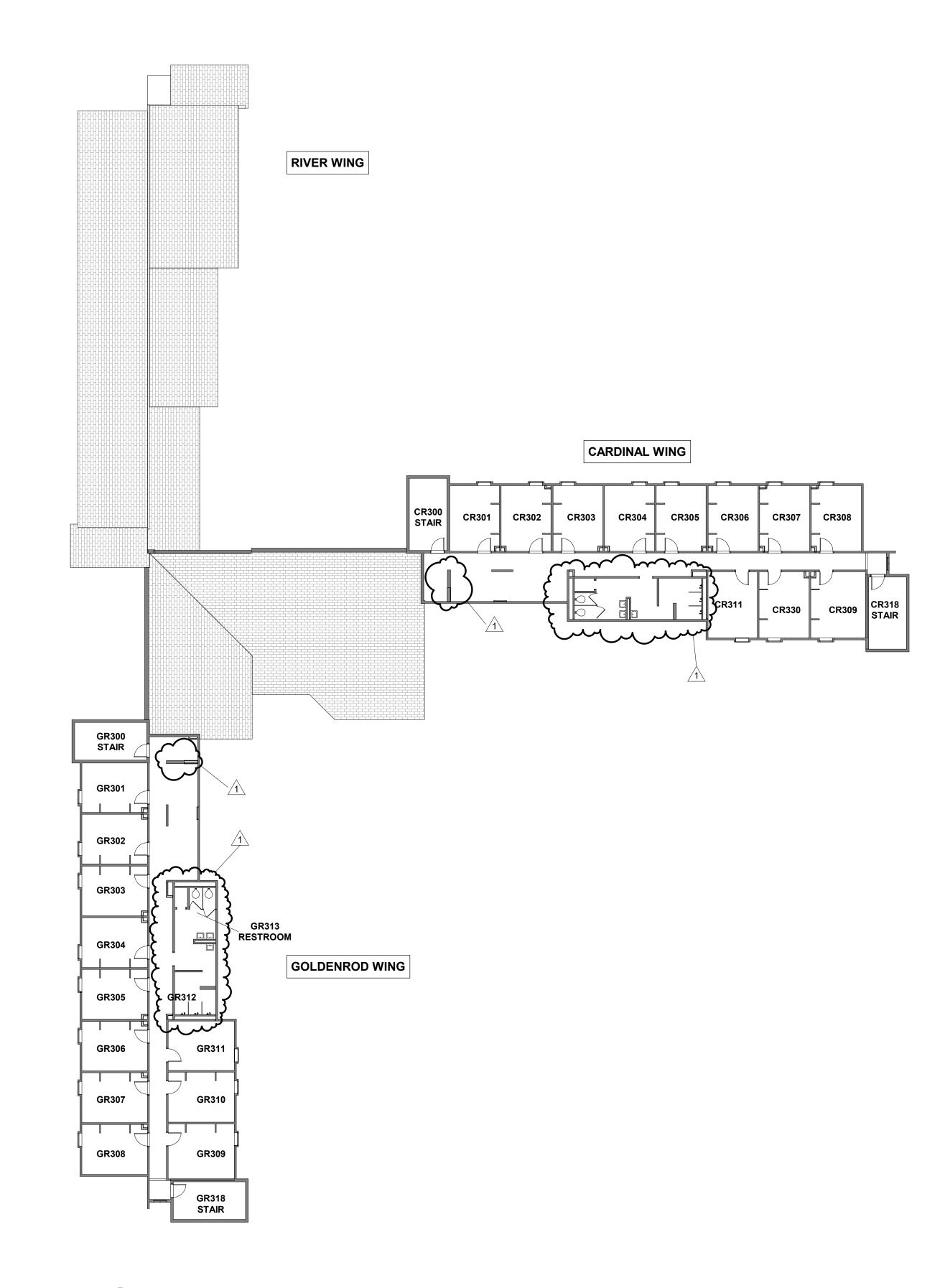
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OVERALL FIRST AND SECOND FLOOR PLANS

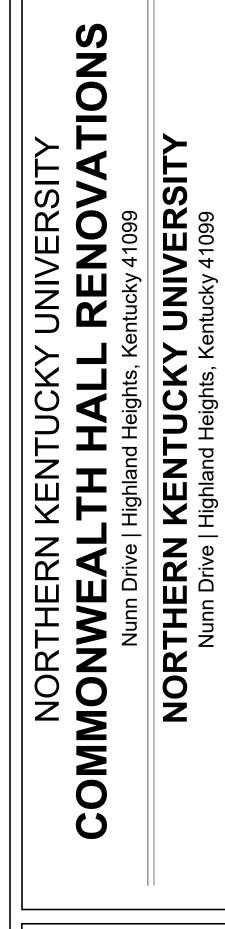
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2 OVERALL THIRD FLOOR
A052 1/16" = 1'-0"



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OVERALL SECOND AND THIRD FLOOR PLANS

10/19/18

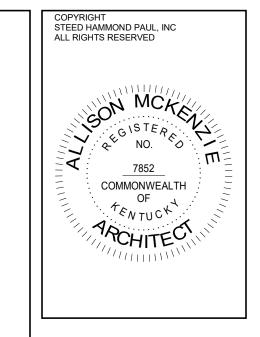
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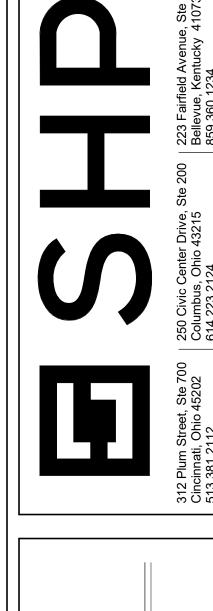
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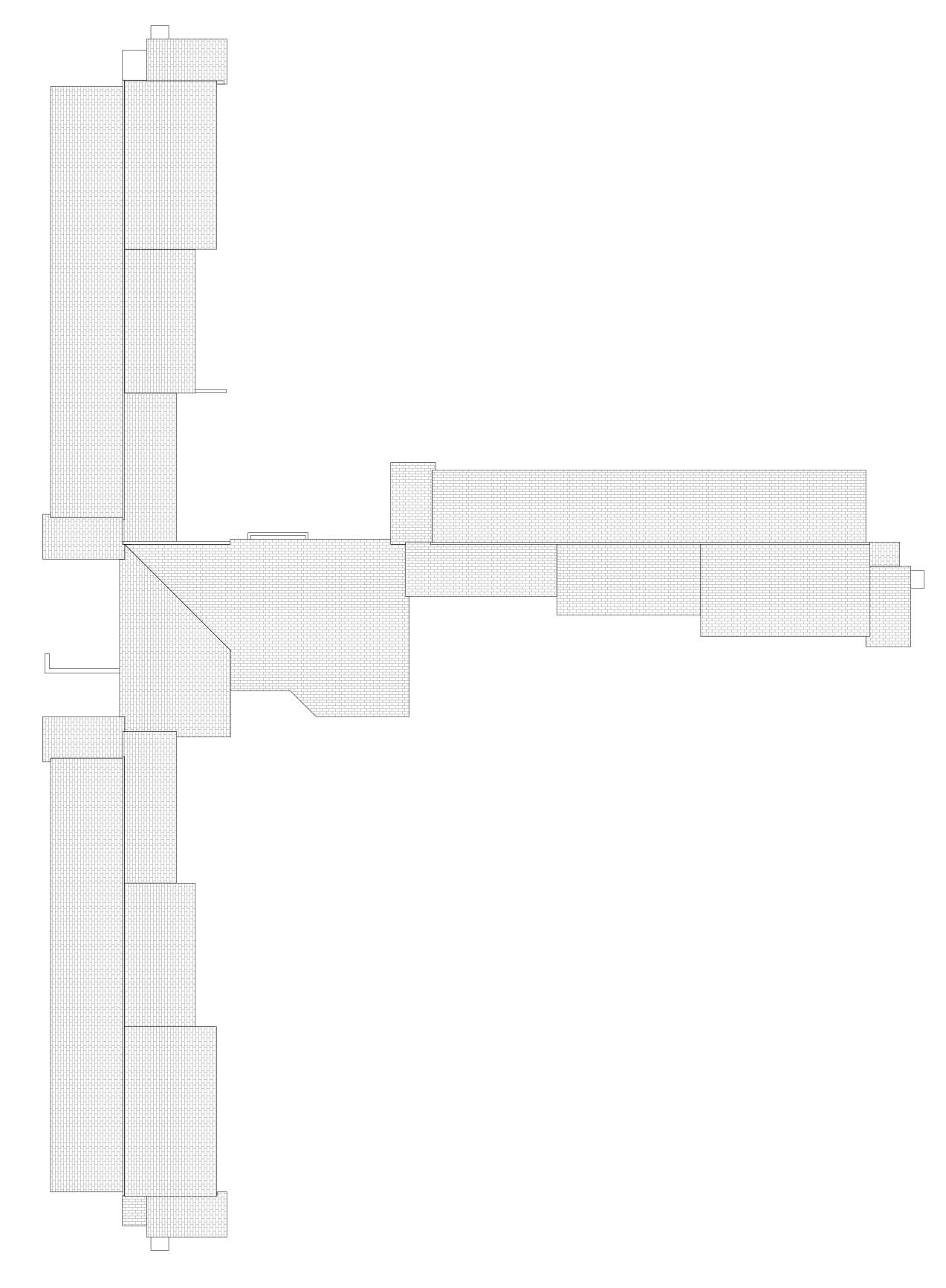
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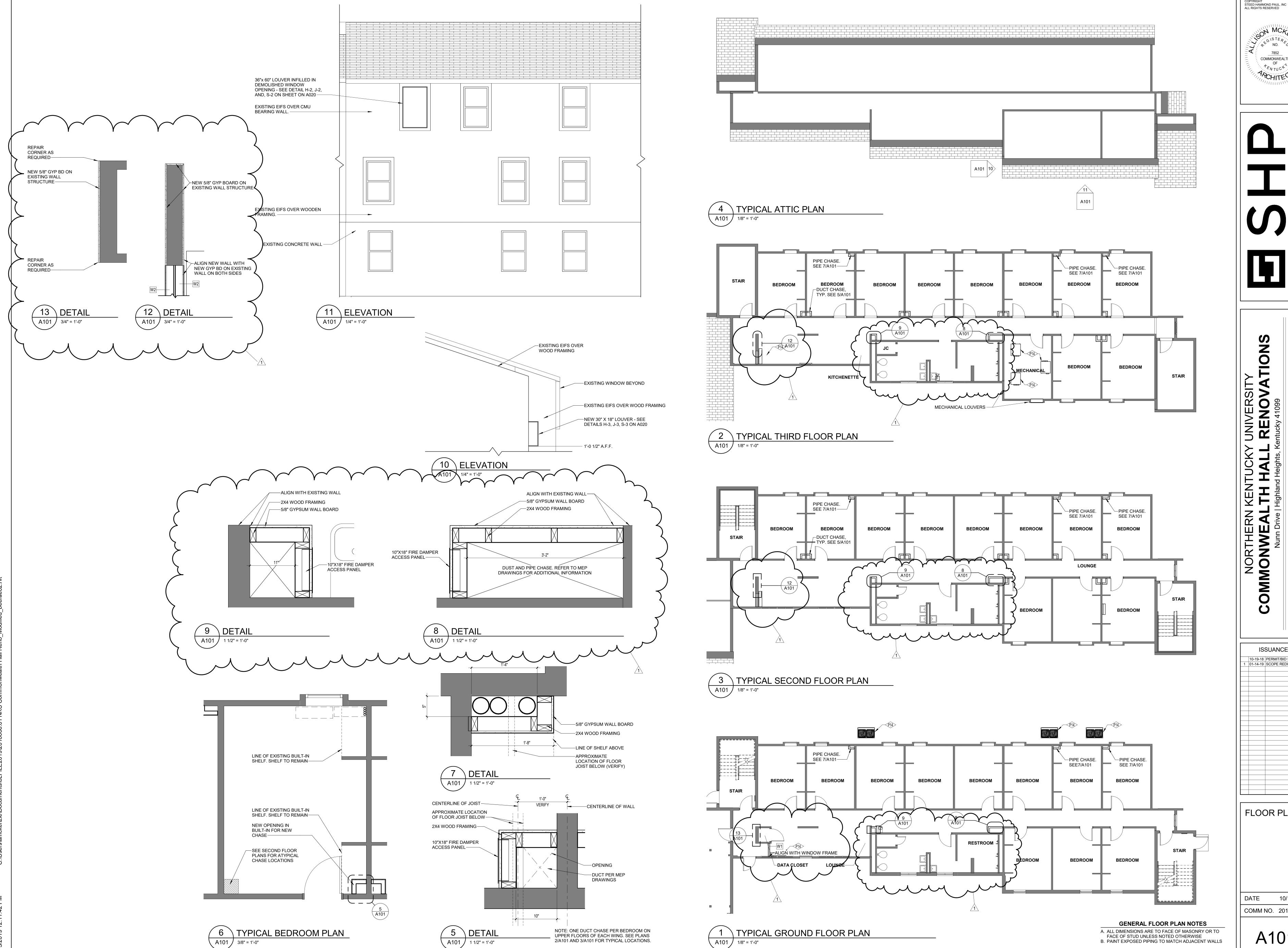
OVERALL ROOF PLAN

DATE 10/19/18

COMM NO. 2018066.01







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FLOOR PLANS

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ISSUANCES

REFLECTED CEILING PLANS

DATE 10/19/18

COMM NO. 2018066.01



KEY TO WALL PAINT FINISH TAG NUMBER PT-1 - PAINT FINISH BASE FINISH RB-1 IF MULTIPLE PAINTS ARE LISTED, ACCENT WALL LOCATIONS WILL BE NOTED ELSEWHERE WITHIN THE ROOM LOCATING THE ACCENT PAINT.

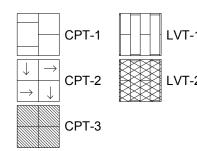
GENERAL NOTES:

CENTERLINE OF THE CLOSED DOOR.

- A. CONTRACTOR MUST OBTAIN COLOR PRINTS OF ALL FLOOR PATTERNS FROM ARCHITECT BEFORE INSTALLING MATERIAL. B. WHEN MATERIAL TRANSITIONS OCCUR AT A DOORWAY, TRANSITION TO OCCUR AT THE
- C. PRODUCTS LISTED ON THE DRAWING SHEETS ARE THE BASIS OF DESIGN PRODUCT. SEE SPECIFICATION FOR ADDITIONAL INFORMATION. D. CARPET PATTERN IN DORM ROOMS TO INCLUDE (5) TILES OF CPT-3 INSTALLED AT
- RANDOM E. AREAS WITH GRAY HATCH INDICATE NO NEW FINISHES
- F. ALL WALLS IN AREA IDENTIFIED BY SCOPE TO BE PAINTED PT-1 UNLESS NOTED OTHERWISE. G. PAINT TRANSITIONS SHOULD ALWAYS OCCUR AT AN INSIDE CORNER.
- H. SEE REFLECTED CEILING PLANS FOR CEILING, SOFFIT, AND STRUCTURE PAINT COLORS. I. PAINT CONTRACTOR TO HAVE PRE-PAINT WALKTHROUGH WITH DESIGNER PRIOR TO PAINTING.

- ALTERNATES PER WING, SEE DIAGRAM DRY ERASE COATING, SEE SPECIFICATIONS
- CPT-2 KINETEX, 24" X 24" TILE; PROPEL; COLOR: 1720 GUIDE
- LVT-1 INTERFACE 25CM X 1M; STUDIO SET; COLOR: A00703 PEPPER

TILE PATTERN LEGEND



SHERWIN WILLIAMS, SW6615 PEPPERY KINETEX, 24" X 24" TILE; FLASH; COLOR: ANARANJADO 1729 KINETEX, 24" X 24" TILE; POP; COLOR: ANARANJADO 1711

SHERWIN WILLIAMS, SW6950 CALYPSO KINETEX, 24" X 24" TILE; FLASH; COLOR: CIELO 1726 KINETEX, 24" X 24" TILE; POP; COLOR: CIELO 1717

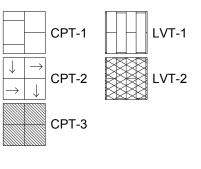
FINISH LISTING:

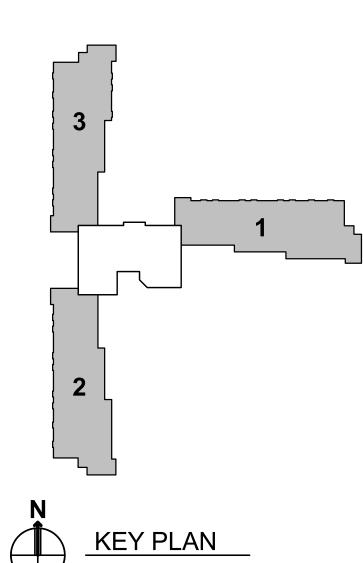
RB-1 JOHNSONITE, 4" TRADITIONAL BASE; COLOR: TO BE SELECTED

CUSTOM TO MATCH NKU STANDARD

ALTERNATES PER WING, SEE DIAGRAM

LVT-2 INTERFACE 25CM X 1M; STUDIO SET; COLOR: A00712 MARIGOLD

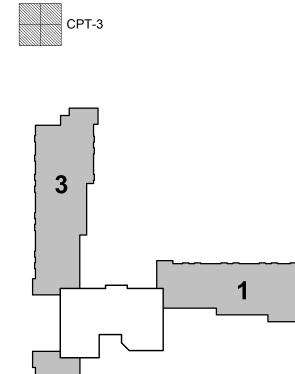




SHERWIN WILLIAMS, SW9020 RAYO DE SOL KINETEX, 24" X 24" TILE; FLASH; COLOR: MOSTAZA 1720 KINETEX, 24" X 24" TILE; POP; COLOR: MOSTAZA 1710

SHERWIN WILLIAMS. SW 7044 AMAZING GRAY

ALTERNATES PER WING, SEE DIAGRAM





PT-3 CPT-1

PT-3 CPT-1 CPT-3

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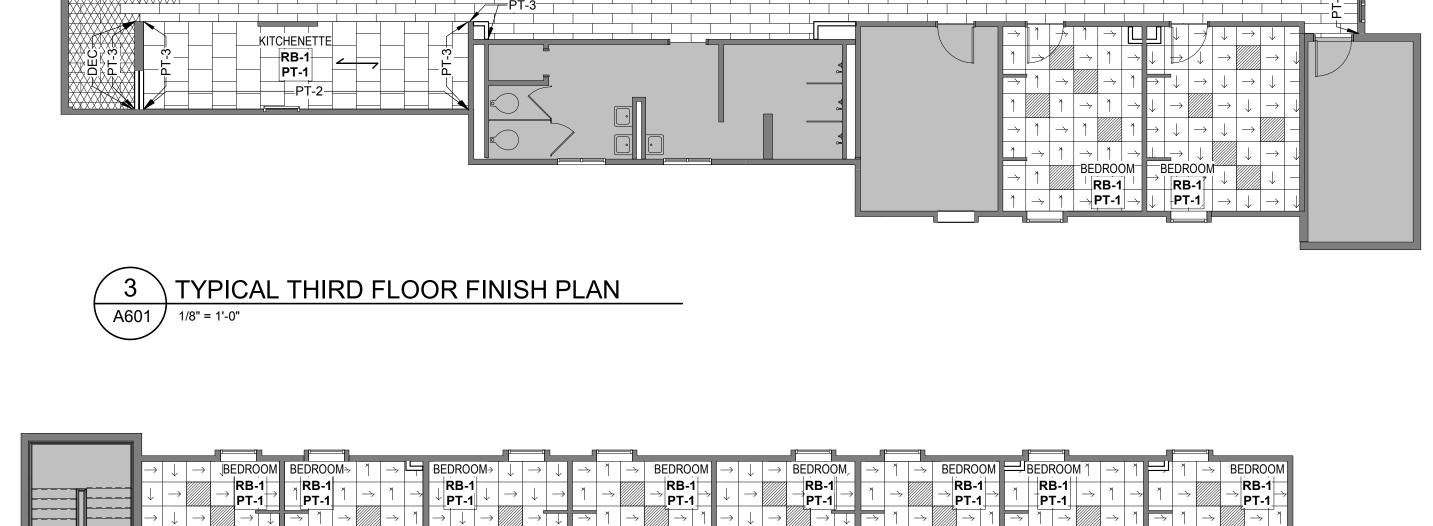
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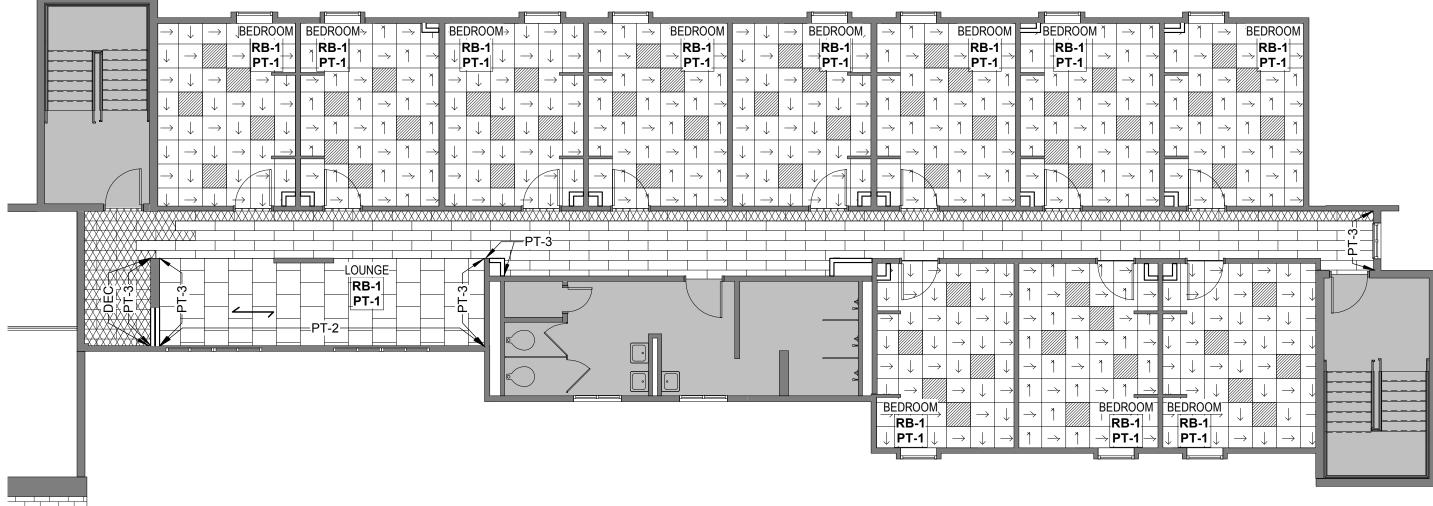
INTERIOR FINISH PLANS

10/19/18 COMM NO. 2018066.01

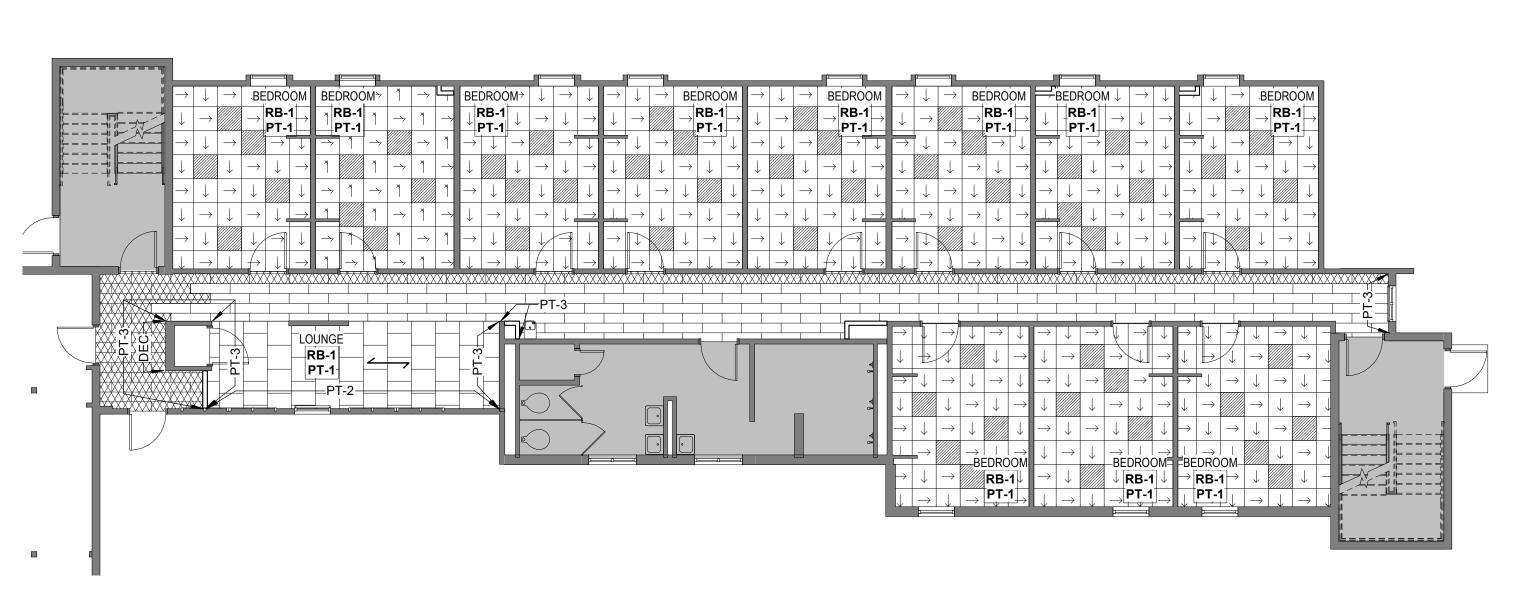
A601



RB-1



TYPICAL SECOND FLOOR FINISH PLAN A601 / 1/8" = 1'-0"



TYPICAL GROUND FLOOR FINISH PLAN

GENERAL FOUNDATION NOTES:

CONCRETE SLABS ON GRADE TO BE 5" CONCRETE SLAB w/ (1) LAYER 6x6 W2.9xW2.9 MESH (CENTERED IN SLAB DEPTH) ON 6" (min) GRANULAR BASE. CONTROL JOINT SPACING SHALL NOT EXCEED 12'-6" IN EITHER DIRECTION (UNO).

GENERAL FLOOR FRAMING NOTES:

EXISTING FLOOR FRAMING CONSISTS OF 2x WOOD FRAMING @ 2'-0" c/c w/ 3/4" PLYWOOD SHEATHING AND UNDERLAYMENT ATTACHED TO TOP OF 2x's. EXISTING BEARING STUDS CONSIST OF 2 x 4's

SEE S201 FOR TYPICAL DETAILS

GENERAL ROOF FRAMING NOTES:

SEE S201 FOR TYPICAL DETAILS

EXISTING ROOF STRUCTURE CONSISTS OF PRE-ENGINEERED WOOD ROOF TRUSSES SPACED @ 2'-0" c/c w/ 1/2" PLYWOOD SHEATHING AND SHINGLES.

GENERAL WOOD FRAMING NOTES:

ALL SAWN LUMBER SHALL BE No. 1 SOUTHERN YELLOW PINE WITH MC = 19%, WITHOUT CHECKS. ALL CUTS, NOTCHES AND DRILL HOLES IN PRESSURE TREATED WOOD SHALL BE RE-TREATED IN THE FIELD

HEADERS, BEAMS AND MISC. FRAMING TO BE PRESSURE TREATED No. 1 SOUTHERN YELLOW PINE WHERE EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE.

WOOD FRAME CONSTRUCTION DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/NFoPA NDS) AND OF THE KENTUCKY BUILDING CODE. ALL PERTINENT WOOD CONSTRUCTION DETAILS AND SPECIFICATION REQUIREMENTS CONTAINED IN CHAPTER (WOOD) OF THE **IBC** LATEST EDITION SHALL BECOME PART OF THESE CONTRACT DOCUMENTS.

ALL THROUGH BOLTS AND THREADED RODS TO BE ASTM A307 w/ STANDARD SIZE HARDENED STEEL WASHER

AGAINST THE WOOD MEMBER. ALL FRAMING ANCHORS AND HANGERS TO BE SIMPSON "STRONG-TIE" OR EQUIVALENT.

ALL PROTRUDING NAILS SHALL BE CLINCHED.

ACCORDING TO **AWPA** M4 REQUIREMENTS.

ALL NAILS TO BE COMMON WIRE NAILS.

ALL INTERIOR NON-LOAD BEARING STUDS SHALL BE 2 x 4's @ 2'-0" c/c (UNO)

PROVIDE BRIDGING AS RECOMMENDED BY MANUFACTURER FOR ALL ROOF MEMBERS.

ALL NON-LOAD BEARING WALL CORNERS SHALL HAVE DOUBLE STUDS.

THE FOLLOWING NAILING SCHEDULE SHALL BE USED (UNO):

ALL LOAD BEARING WALL CORNERS SHALL HAVE TRIPLE STUDS.

TOP PLATE TO STUD.. STUD TO SOLE PLATE..

..2d - 16d END NAIL or 4d - 8d TOE NAIL DOUBLE STUDS..... ..16d @ 12" c/c DOUBLES TOP PLATES.. BUILT UP COLUMNS... ..16d @ 12" c/c16d @ 16" c/c ALONG EACH EDGE CONTINUOUS HEADER - (2) OR MORE PIECES

...8d @ 16" c/c ALONG EDGES & 12" c/c ALONG ROOF SHEATHING.... INTERMEDIATE SUPPORTS PLYWOOD WALL SHEATHING.. ..8d @ 16" c/c ALONG EDGES & 12" c/c ALONG INTERMEDIATE SUPPORTS PLYWOOD SHEATHING. ...8d @ 3" c/c ALONG EDGES & 6" c/c ALONG INTERMEDIATE SUPPORTS BLOCKED AT SHEAR WALLS

INTERIOR AND EXTERIOR GYPSUM BOARD SHEATHING SHALL BE FASTENED TO ALL STUDS AND TOP AND BOTTOM WALL PLATES w/ DRYWALL NAILS OR SCREWS @ 7" c/c.

INTERIOR GYPSUM BOARD SHALL EXTEND FULL HEIGHT OF WALL FROM FLOOR SLAB TO ROOF TRUSS BEARING.

STRUCTURAL DESIGN LOADS

FOUNDATION DESIGN CRITERIA:

MAXIMUM ALLOWABLE SOIL BEARING PRESSURE SHALL NOT EXCEED 1,500 PSF.

VERIFY BEARING CAPACITY OF SOIL PRIOR TO PLACEMENT OF FOOTINGS. PROVIDE COPIES OF INSPECTION AND COMPACTION REPORTS PREPARED BY A QUALIFIED GEOTECHNICAL ENGINEER.

FLOOR DESIGN LOADS:

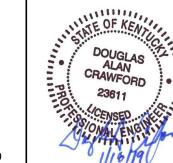
LIVE LOAD: = 100 psf - Stairways and Landings = 80 psf - Corridors = 60 psf - Restrooms (Includes 20 psf - Partition Loads)

DEAD LOAD: = 25 psf - (Joist 2x's + sheathing)

ROOF DESIGN LOADS:

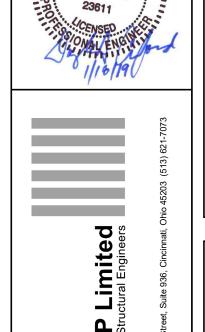
Minimum Roof Live Load = 20 psf SNOW LOAD (ASCE 7-12): Ground Snow Load, pg = 20 psf Flat Roof Snow Load, pf = 20 psf Snow Importance Factor, IS = 1.10

WIND LOAD (ASCE 7-12): Basic Wind Speed (3 second gust), Vult = 115 mph Wind Exposure B Internal Pressure Coefficient = +/- 0.18 Net Wind Uplift on Joists = 8 psf



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ABBREVIATIONS All abbreviations listed here may not be used and apply only to Structural (S-series) Sheets. Some abbreviations used may refer to other disciplines. They are shown for coordination purposes <u>ABCDE</u> <u>FGHIJKLMNO</u> <u>PQRSTUVWXYZ</u> AB - Anchor Bolt FD - Floor Drain PB - Purlin Bridging ACI - American Concrete Institute FDN - Foundation PC - Pile Cap or Precast AFF - Above Finished Floor **PDT** - Perforated Drain Tile FMF - Floor Mat and Frame AH or AHU - Air Handling Unit(s) PED - Pedestal FT - Foot or Feet AISC - American Institute of Steel Construction PL - Plate FIN - Finished **ALT** - Alternate R - Radius FL or FLR - Floor ANSI - American National Standards Institute **REINF** - Reinforcing or Reinforcement FOF - Floor Opening Frame REQ'D - Required **ARCH** - Architect(s) or Architectural FS - Footing Step ASCE - American Society of Civil Engineers **ROF** - Roof Opening Frame F.S. - Far Side ASD - Allowable Stress Design RTU - Roof Top Unit(s) FTG or F - Footing **ASTM** - American Society for Testing and Materials SAN - Sanitary GA - Gauge AW - Acid Waste SIM - Similar GB - Grade Beam AWPA - American Wood Protection Association SJI - Steel Joist Institute GC - General Contractor AWS - American Welding Society SOG - Slab On Grade **GALV** - Galvanized B/F or B/FTG- Bottom of Footing SPA - Space(s) **GRV** - Gravity Roof Ventilator(s) BM - Beam SPEC - Specification(s) GYP - Gypsum **BOT** or **BTM** or **B** - Bottom **SQ** - Square HORIZ - Horizontal(ly) **BRG** - Bearing STL or S - Steel **HT** - Height C/C - Center to Center STM or ST - Storm HVAC - Heating, Ventilating & Air Conditioning **CFMF** - Cold Formed Metal Framing **T** - Top IBC - International Building Code CIP - Cast-in-Place T & B - Top and Bottom I.F. - Inside Face CJ - Control Joint TD - Trench Drain INV - Invert

TRANS - Transverse JB - Joist Bridging TYP - Typical JST - Joist **UNO** - Unless Noted Otherwise KB - Knee Brace VERT - Vertical(ly) **KEC** - Kitchen Equipment Contractor WOM - Walk-Off Mat L - Ledge WP - Work Point LGMF - Light Gauge Metal Framing W.R. - Wide Rib LGMT - Light Gauge Metal Truss **WWF** - Welded Wire Fabric LLH - Long Leg Horizontal XB - 'X' Brace **LLV** - Long Leg Vertical LRFD - Load and Resistance Factor Design

MEP - Mechanical, Electrical & Plumbing

NCMA - National Concrete Masonry Association

NFPA - National Fire Protection Association

MIN - Minimum

NIC - Not in Contract

N.S. - Near Side

NTS - Not to Scale

OAE - Or Approved Equal

OBC - Ohio Building Code

O.C. or O/C - On Center

O.F. - Outside Face

OPNG - Opening

DESIGN LOADS & **ABBREVIATIONS**

GENERAL NOTES,

01/14/2019 COMM NO. 2018066.01

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CL or - Centerline CLG - Ceiling CLR - Clear **CMU** - Concrete Masonry Unit(s) COL - Column CONC or C - Concrete **CONT** - Continuous **COORD** - Coordinate **DEFS** - Direct-Applied Exterior Finish System DIA or Ø - Diameter **DIAG** - Diagonal MANUF - Manufacturer(s) **DIM** - Dimension(s) MAX - Maximum

DN - Down

EA - Each

DWG(S) - Drawing(s)

EF - Exhaust Fan(s)

EJ - Expansion Joint

ELEV - Elevation or Elevator

EL - Elevation

EQ - Equal(s)

EQUIP - Equipment

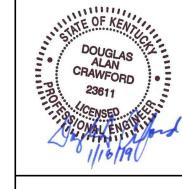
EXIST - Existing

EXP - Expansion

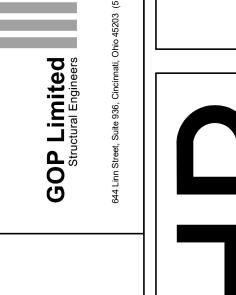
EXT - Exterior

EIFS - Exterior Insulation Finish System

0'-1" REFERENCE LIN







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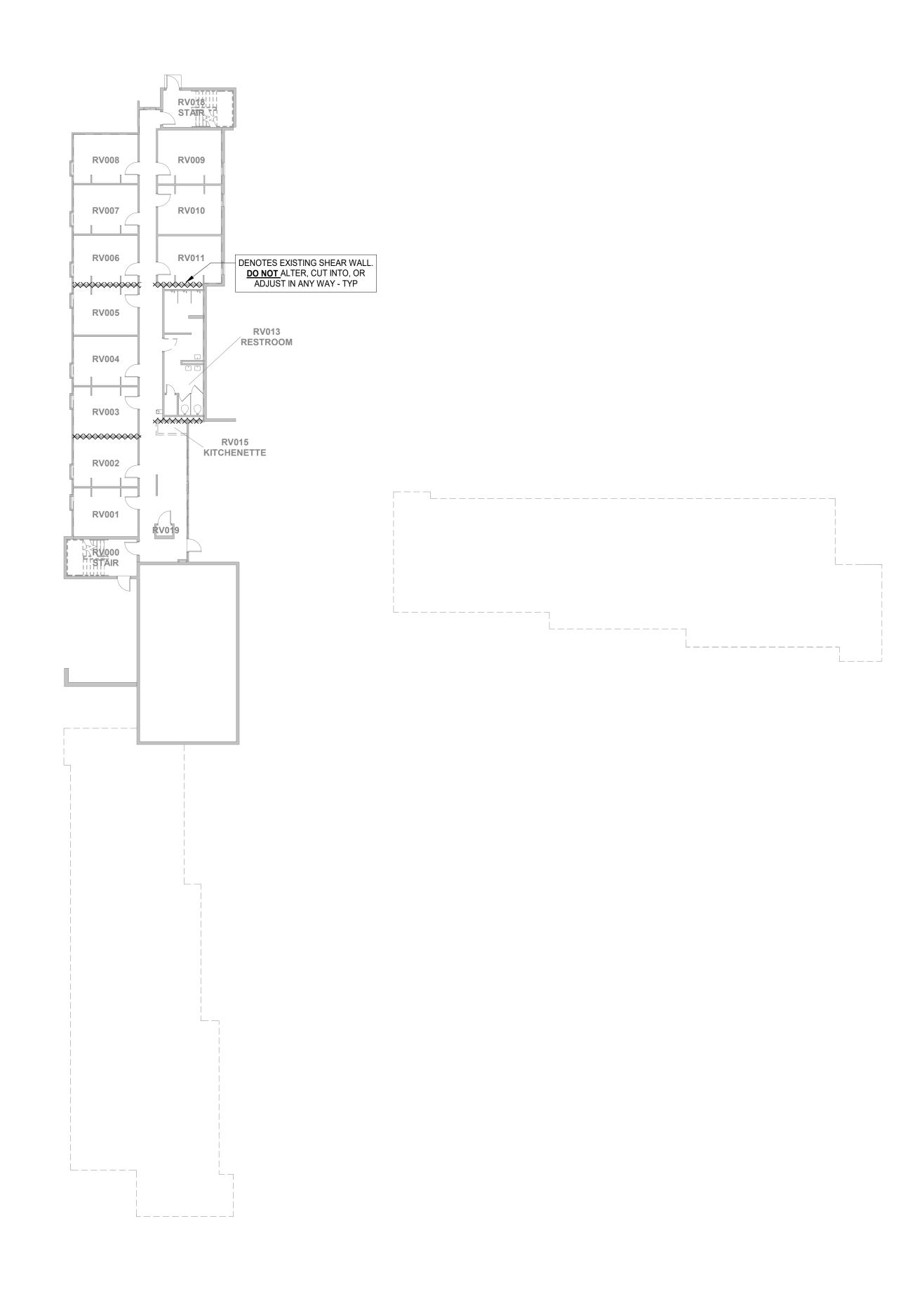
OVERALL LOWER LEVEL & FIRST

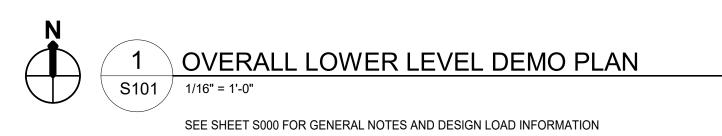
FLOOR DEMO **PLANS**

01/14/2019

0'-1" REFERENCE LINE

COMM NO. 2018066.01 S101





SEE SHEET S201 FOR NEW WORK

DENOTES EXISTING SHEAR WALL.

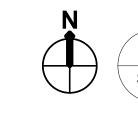
DO NOT ALTER, CUT INTO, OR

ADJUST IN ANY WAY - TYP **RV105** RV104 RV103 DENOTES EXISTING SHEAR WALL.

DO NOT ALTER, CUT INTO, OR

ADJUST IN ANY WAY - TYP KITCHENETTE RV102 RV101 CR101 | CR102 | CR103 | CR104 | CR105 | CR106 | CR107 | CR108 STAIR CR110 CR109 KITCHENETTE LOBBY/COMMON ROOM GR100 STAIR GR101 GR115 KITCHENETTE GR102 DENOTES EXISTING SHEAR WALL.

DO NOT ALTER, CUT INTO, OR
ADJUST IN ANY WAY - TYP GR103 GR104 GR105 **GR106** GR107 GR110



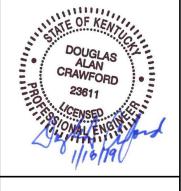
2 OVERALL FIRST FLOOR DEMO PLAN
S101 1/16" = 1'-0"

RV108

RV107

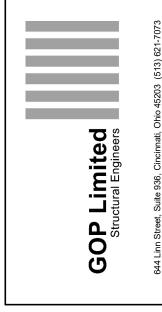
RV106

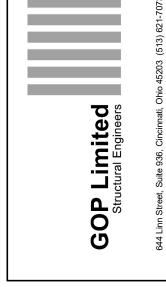
SEE SHEET S000 FOR GENERAL NOTES AND DESIGN LOAD INFORMATION SEE SHEET S201 FOR NEW WORK

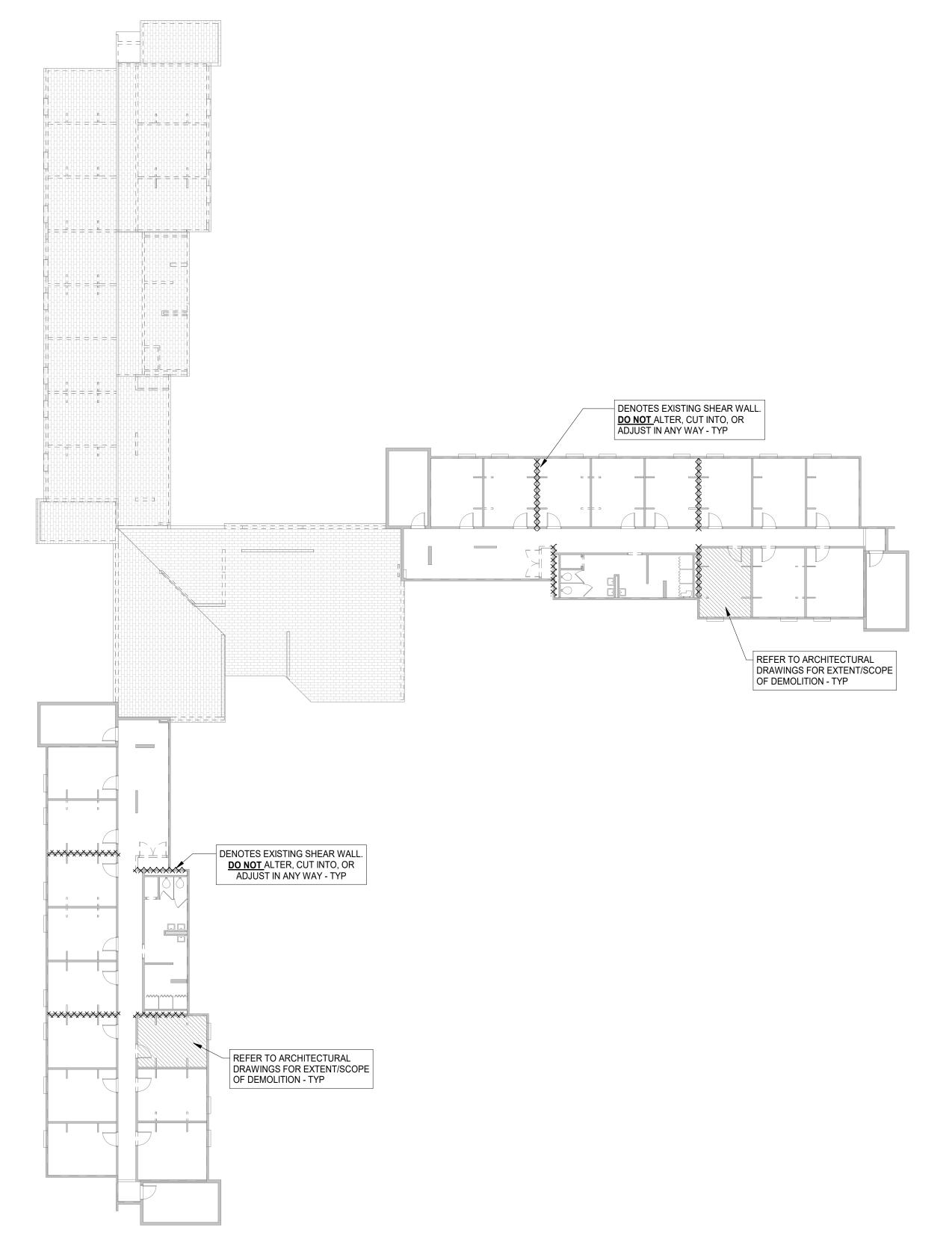


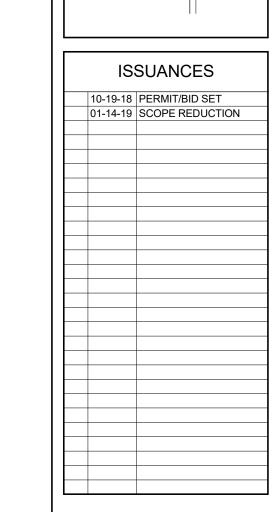
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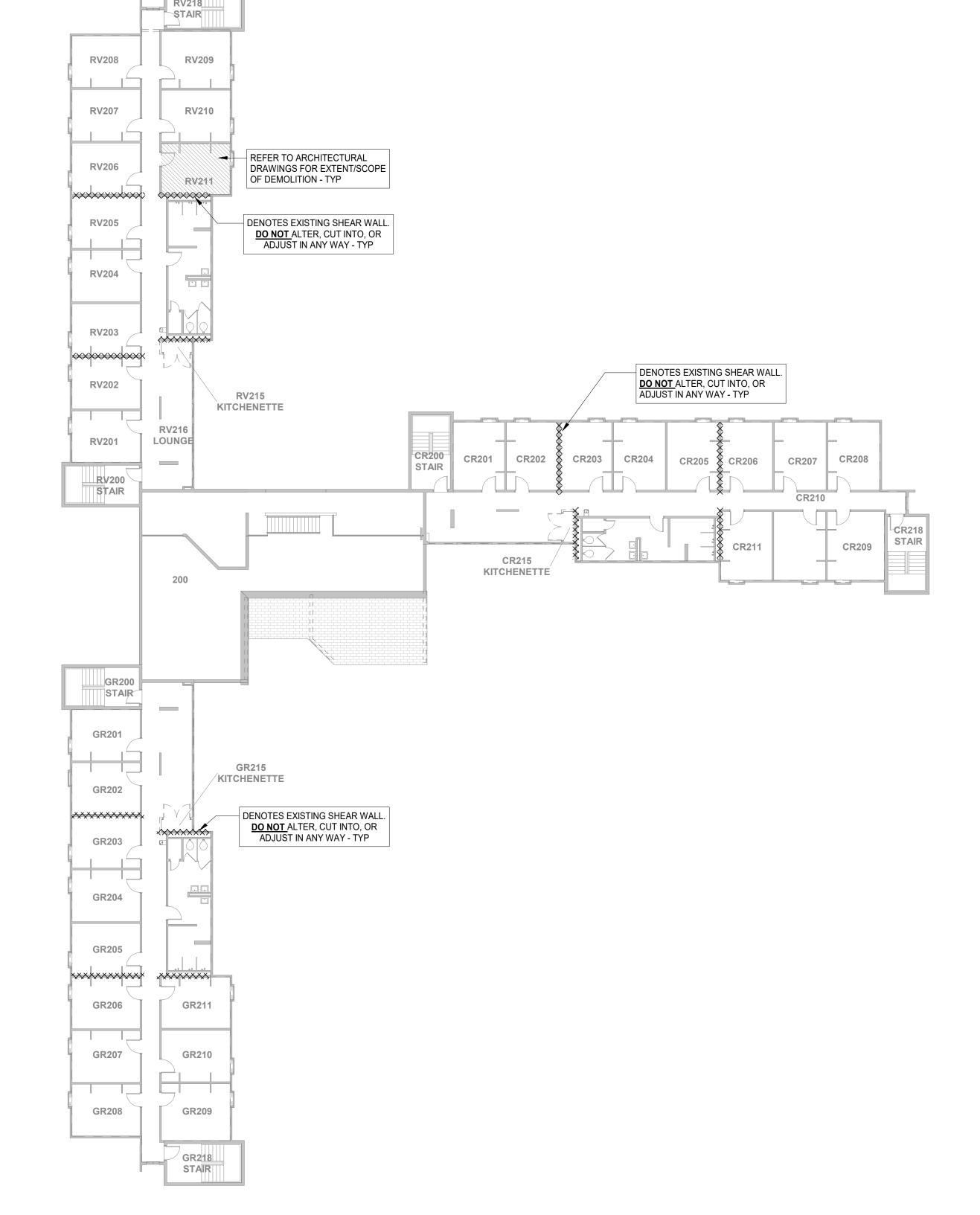
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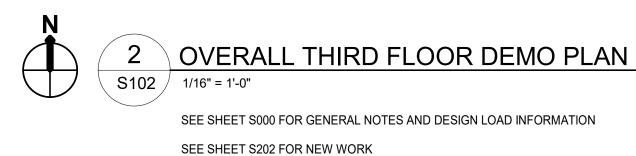
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OVERALL SECOND & THIRD FLOOR DEMO **PLANS**

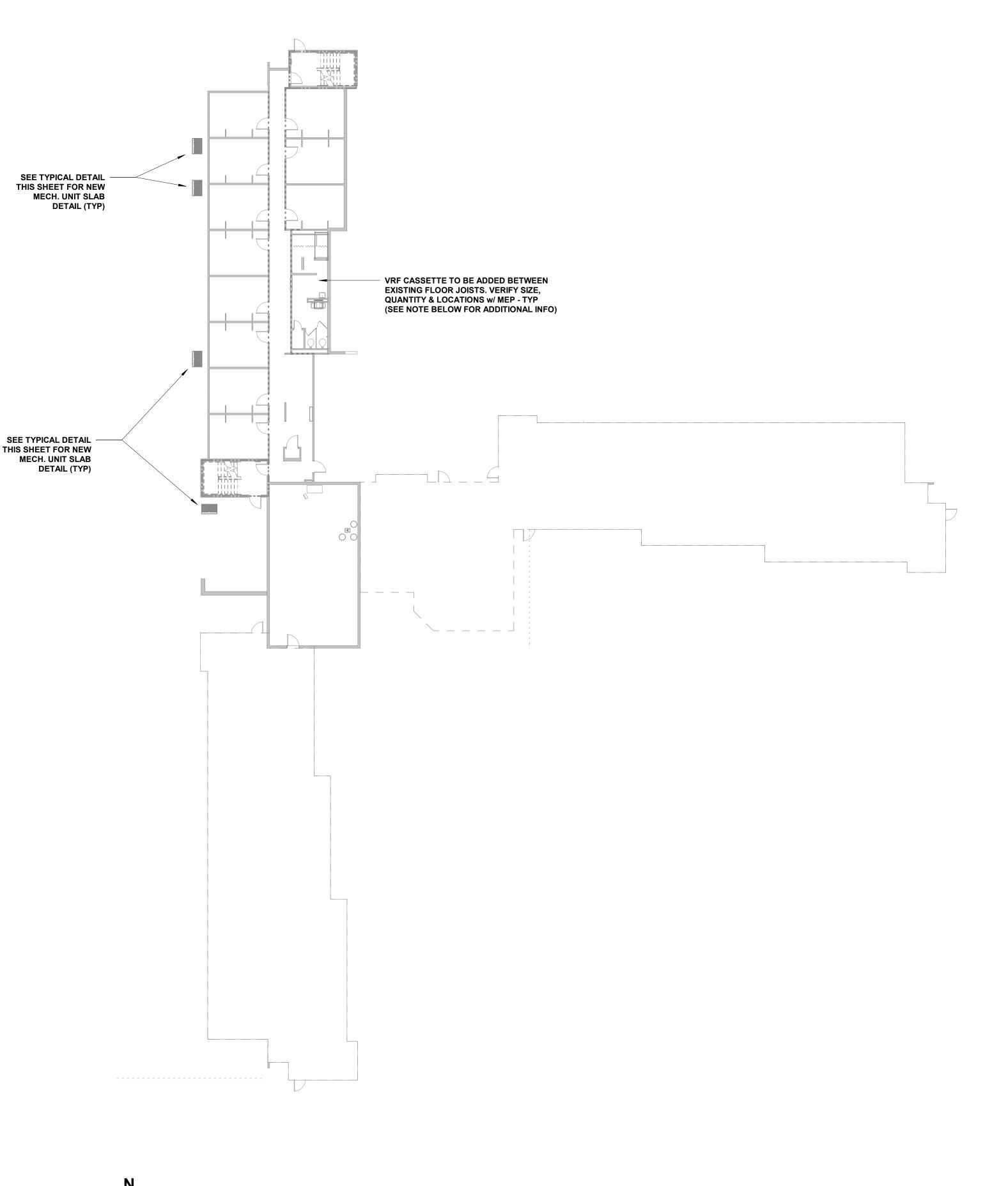
01/14/2019 COMM NO. 2018066.01

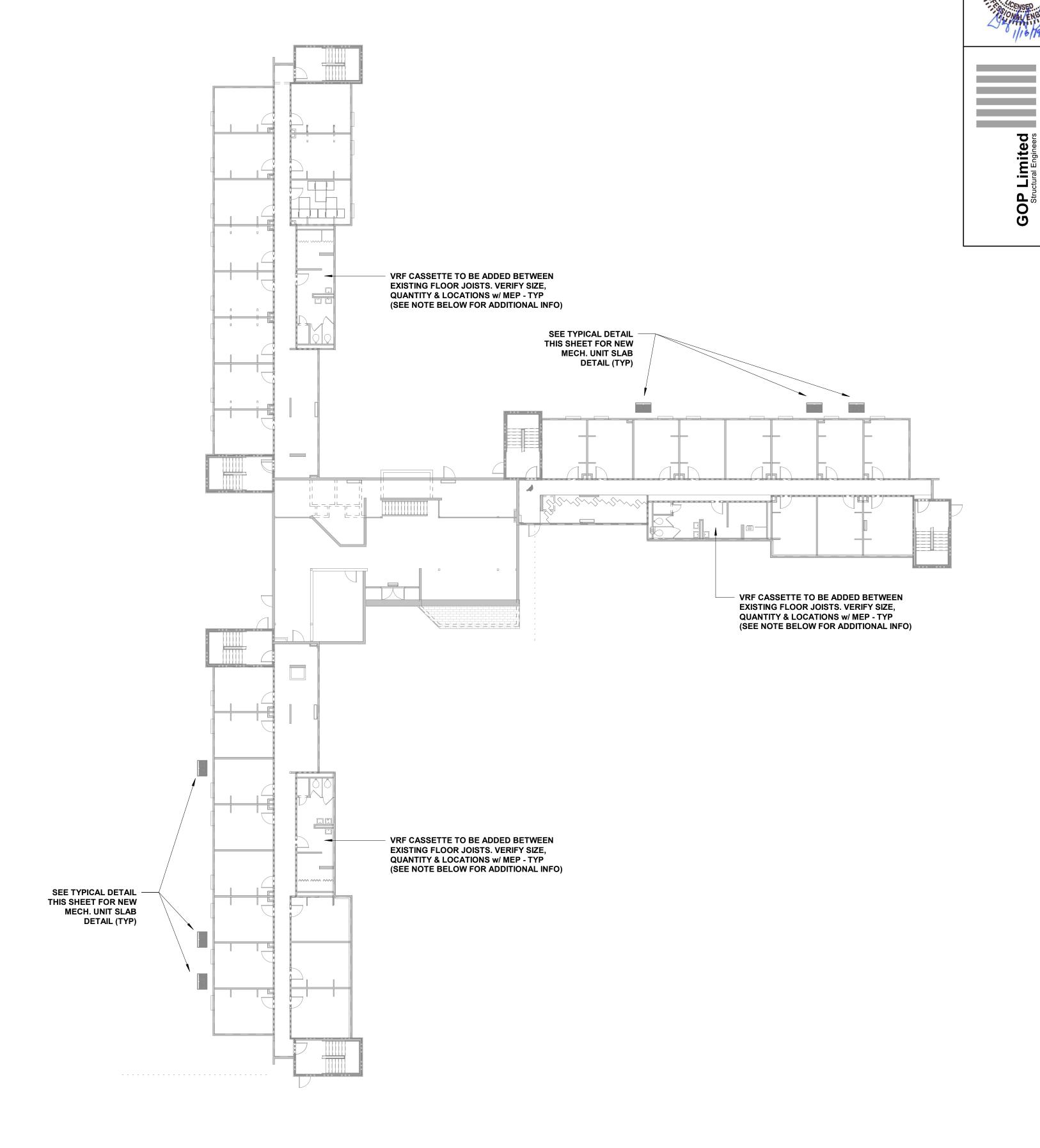
S102





SEE SHEET S202 FOR NEW WORK





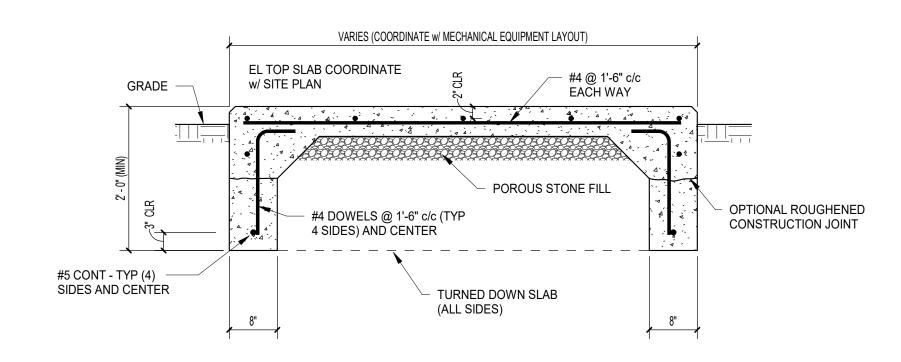


SEE SHEET S000 FOR GENERAL NOTES AND DESIGN LOAD INFORMATION COORDINATE HEADER ELEVATIONS WITH ARCHITECTURAL DRAWINGS (TYP)

EXISTING SHEAR WALLS ARE NOT TO BE PENETRATED OR MODIFIED (TYP) - REFER TO SHEETS S101 & S102 FOR LOCATIONS COORDINATE PLUMBING VENTS, DUCTWORK, PIPES & WATER LINES w/ 2x FLOOR JOISTS.

EXISTING FLOOR JOISTS ARE NOT TO BE COMPROMISED, CUT OR MODIFIED IN ANY WAY WITHOUT PRIOR WRITTEN APPROVAL FROM ARCHITECT & STRUCTURAL ENGINEER OF RECORD.

VRF CASSETTE REQUIRES 23" CLEAR SPACE IN FRAMING. SISTER ADDITIONAL 2 x 12 EACH SIDE OF CASSETTE (FULL LENGTH, INCLUDING BEARING). CONNECT TO EXISTING FLOOR JOIST w/ 16d NAILS @ TOP & BTM SPACED @ 12" c/c. AFTER ATTACHMENT OF THE SISTERED FLOOR JOIST, THE EXISTING FLOOR JOIST MAY BE CUT OUT AS NEEDED TO OBTAIN THE 23" CLEARANCE REQUIRED FOR VRF CASSETTE. **DO NOT OVERCUT INTO SISTERED 2 x 12's.**



EXISTING ROOF or FLOOR RAFTER -NEW OPENING DETAIL SCALE: 3/4" = 1' - 0"

IF NEW OPENING IS LARGER THAN

PROVIDE 2x BLOCKING BETWEEN

RAFTERS @ OPENING EDGES.

SPACE BETWEEN EXISTING RAFTERS

MICROLAM FULL

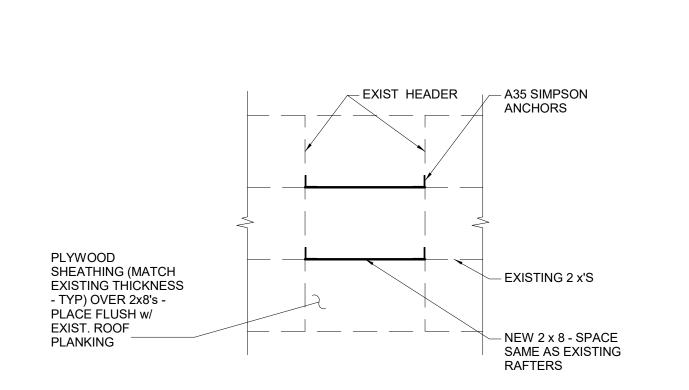
RAFTER or TRUSS

- NAIL TO EXIST. w/

16d AT 12" C/C-

STAGGER TOP

AND BOTTOM



OVERALL FIRST FLOOR PLAN

SEE 1/S201 OVERALL LOWER LEVEL PLAN FOR NOTES

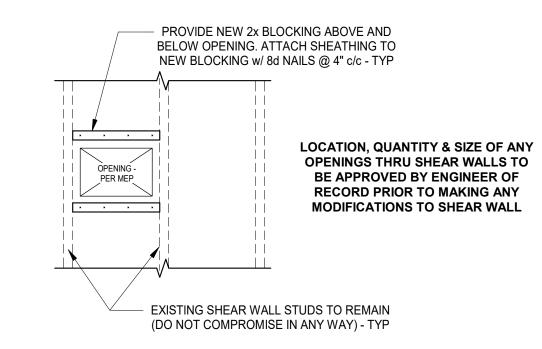
- OPENING AS REQUIRED

- SIMPSON A35 ANCHOR

- TYP. 2x12 HEADER

USE LUS 210 EXIST. RAFTER TO HEADER -

EXISTING ROOF or FLOOR -OPENING INFILL DETAIL SCALE: 3/4" = 1' - 0"



OPENING THRU EXISTING SHEAR WALL SCALE: 3/4" = 1' - 0"

OVERALL LOWER LEVEL & FIRST FLOOR PLANS

ISSUANCES

10-19-18 PERMIT/BID SET 01-14-19 SCOPE REDUCTION

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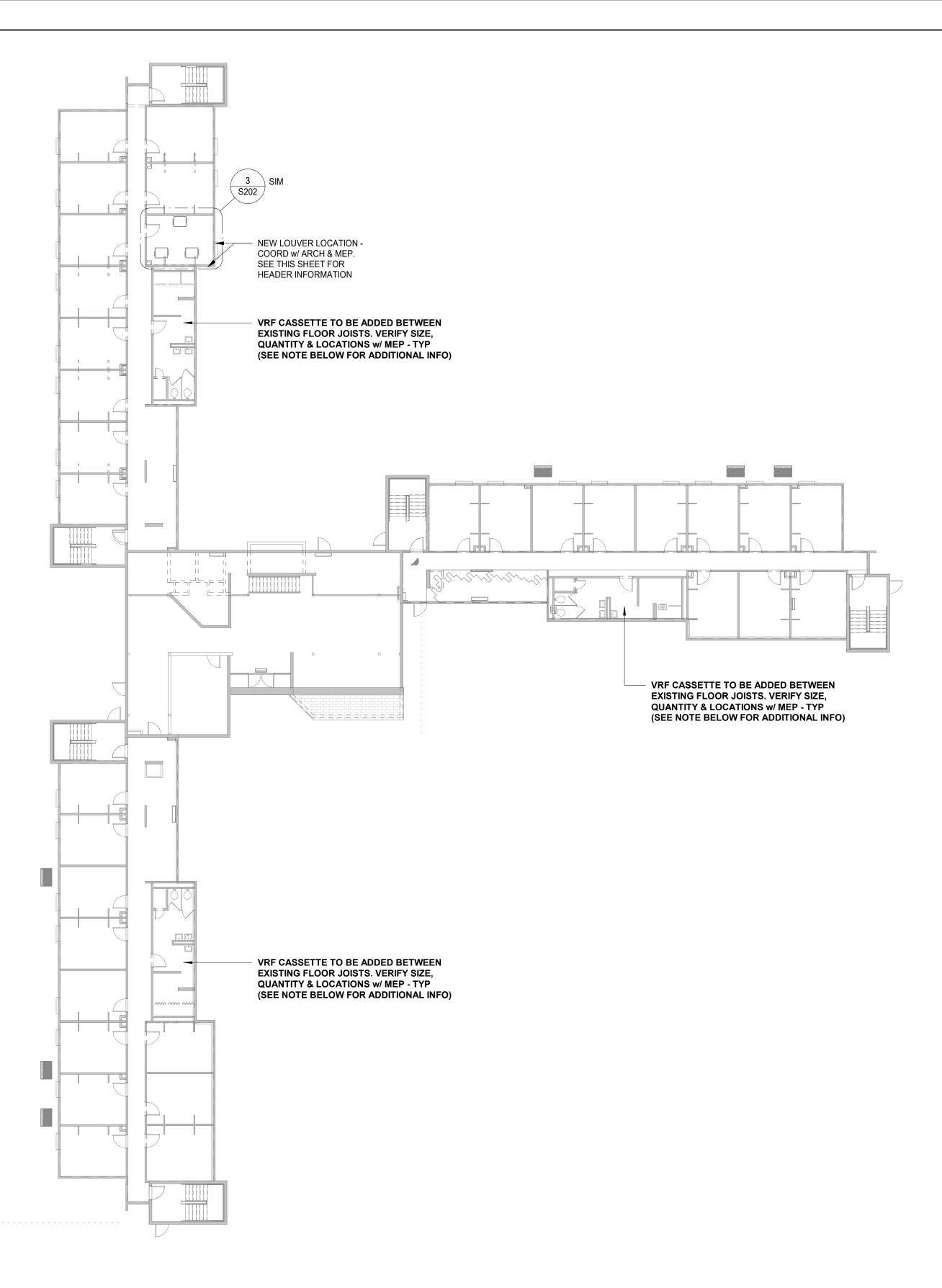
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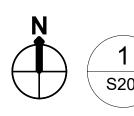
01/14/2019 COMM NO. 2018066.01

S201

TYPICAL MECH. UNIT ON GRADE

SCALE : 3/4" = 1' - 0"





OVERALL SECOND FLOOR PLAN

SEE SHEET S000 FOR GENERAL NOTES AND DESIGN LOAD INFORMATION

REQUIRED FOR VRF CASSETTE. DO NOT OVERCUT INTO SISTERED 2 x 12's.

COORDINATE HEADER ELEVATIONS WITH ARCHITECTURAL DRAWINGS (TYP)

EXISTING SHEAR WALLS ARE NOT TO BE PENETRATED OR MODIFIED (TYP) - REFER TO SHEETS S101 & S102 FOR LOCATIONS

COORDINATE PLUMBING VENTS, DUCTWORK, PIPES & WATER LINES w/ 2x FLOOR JOISTS. EXISTING FLOOR JOISTS ARE NOT TO BE COMPROMISED, CUT OR MODIFIED IN ANY WAY WITHOUT PRIOR WRITTEN APPROVAL

FROM ARCHITECT & STRUCTURAL ENGINEER OF RECORD. VRF CASSETTE REQUIRES 23" CLEAR SPACE IN FRAMING. SISTER ADDITIONAL 2 x 12 EACH SIDE OF CASSETTE (FULL LENGTH, INCLUDING BEARING). CONNECT TO EXISTING FLOOR JOIST w/ 16d NAILS @ TOP & BTM SPACED @ 12" c/c. AFTER ATTACHMENT

OF THE SISTERED FLOOR JOIST, THE EXISTING FLOOR JOIST MAY BE CUT OUT AS NEEDED TO OBTAIN THE 23" CLEARANCE

WOOD HEADER SCHEDULE

NON-LOAD BEARING WOOD WALLS - MISC LESS THAN 3'-9" (2) 2 x 4 3'-9" UP TO 8'-0" (2) 2 x 8 (2) 2 x 4

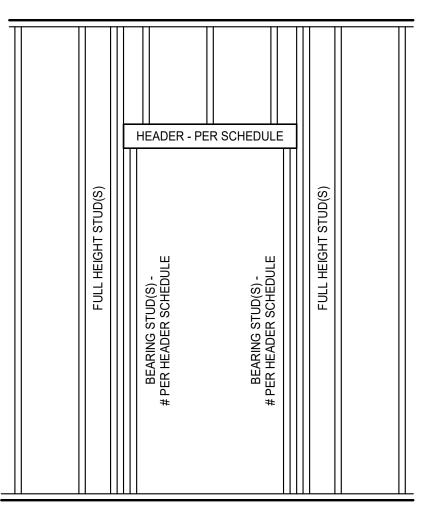
(2) 2 x 12

(2) 2 x 4

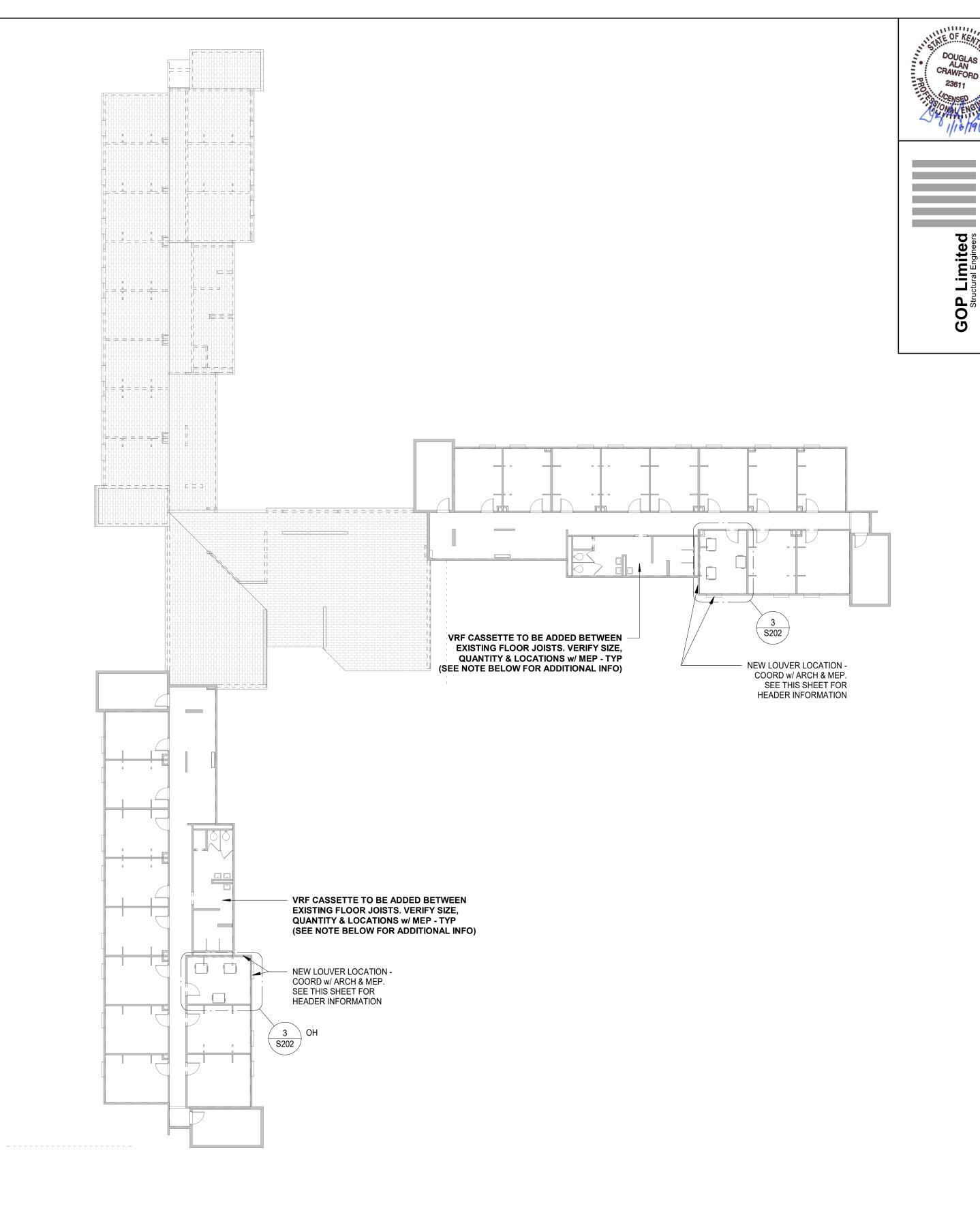
MASONRY WALL OPENINGS FOR EACH 4" OF MASONRY THICKNESS PROVIDE : (TO BE USED FOR BRICK OPENINGS)

8'-0" UP TO 12'-0"

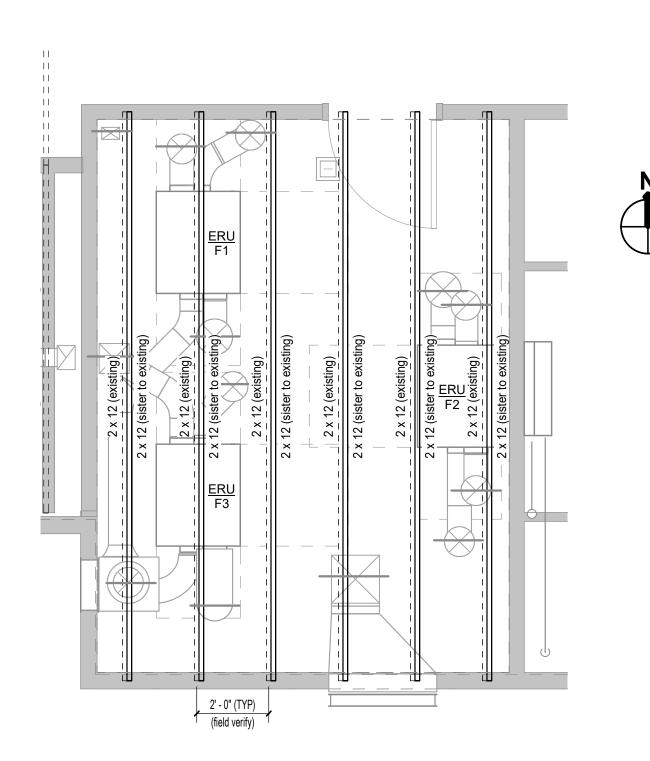
L 3 1/2 x 3 1/2 x 1/4 4" BRG UP TO 4'-0" MASONRY OPENING L 4 x 3 1/2 x 5/16 (LLV) 4" BRG 4'-0" UP TO 5'-0" MASONRY OPENING L 5 x 3 1/2 x 5/16 (LLV) 6" BRG 5'-0" UP TO 6'-0" MASONRY OPENING L 6 x 3 1/2 x 5/16 (LLV) 6" BRG 6'-0" UP TO 7'-0" MASONRY OPENING



TYPICAL STUD WALL HEADER ELEVATION









SEE SHEET S000 FOR GENERAL NOTES AND DESIGN LOAD INFORMATION

MEP EQUIPMENT, DUCTWORK, ETC. SHOWN HERE DIAGRAMMATICALLY. COORDINATE w/ MEP DRAWINGS. EXISTING SHEAR WALLS ARE NOT TO BE PENETRATED OR MODIFIED (TYP) - REFER TO SHEETS S101 & S102 FOR LOCATIONS COORDINATE PLUMBING VENTS, DUCTWORK, PIPES & WATER LINES w/ FLOOR JOISTS & ROOF TRUSSES. EXISTING STRUCTURE SHOWN DIAGRAMMATICALLY. FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER IF CONDITIONS VARY FROM WHAT IS SHOWN HERE. EXISTING FLOOR JOISTS & ROOF TRUSSES ARE NOT TO BE COMPROMISED, CUT OR MODIFIED IN ANY WAY WITHOUT PRIOR

WRITTEN APPROVAL FROM ARCHITECT & STRUCTURAL ENGINEER OF RECORD. SISTERED FLOOR JOISTS TO BE CONNECTED TO EXISTING JOISTS w/ 16d NAILS @ 12" c/c TOP & BOTTOM NEW FLOOR ON EXISTING FLOOR JOISTS TO BE 3/4" TONGUE & GROOVE PLYWOOD, GLUED & NAILED TO JOISTS w/ 8d NAILS @ 6" c/c @ PANEL EDGES & 12" c/c @ INTERMEDIATE SUPPORTS.

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OVERALL SECOND & THIRD FLOOR PLANS

01/14/2019 COMM NO. 2018066.01

S202

PLUMBING GENERAL NOTES:

- COORDINATE THE LOCATION OF DRAINS. THERMOSTATS. GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION, WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY
- INSTALLED AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES, VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST
- STRINGENT REQUIREMENT SHALL APPLY. WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN. PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING
- OR NEW. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
- PATCH. REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.) CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING
- WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING. WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED
- GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE. ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE
- CEILING EXCEPT AS NOTED. IN ACCORDANCE WITH K.R.S. ALL PLUMBING WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH PLANS APPROVED BY AND BEARING THE APPROVAL STAMP OF THE KENTUCKY DIVISION OF PLUMBING AND/OR THE DIVISION OF WATER. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL HE HAS RECEIVED SUCH APPROVED PLANS. LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE
- AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS. ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN.
- PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.).
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S
- ACCEPTABILITY SHALL BE THAT OF THE ENGINEER. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT,
- CONTACT ENGINEER PRIOR TO INSTALLING. WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
- WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS. THE DOCUMENTS COMPLY WITH 2012 IMC, 2013 KBC, AND

ASHRAE 90.1-2010.

PLUMBING DEMOLITION NOTES:

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELED VERIFY EXACT REQUIREMENTS. ALL OUTAGES SHALL BE SCHEDULED THROUGH THE PROJECT
- IN ADVANCE. DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTORS SHALL

REPRESENTATIVE FOR PROPER COORDINATION, A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS

- PROVIDE FIRE WATCH OF AREAS WITH OUTAGES. ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN
- ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE. HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (U.O.N) AND
- LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED

FOR DEMOLITION) WITH THE OWNER.

SYMBOLS & ABBREVIATIONS

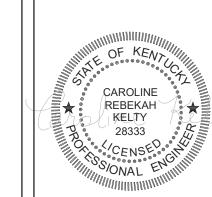
ABOVE FINISHED FLOOR CD CONDENSATE DRAIN C.I. CAST IRON DOMESTIC COLD WATER DOWN DN FPWH FREEZE PROOF WALL HYDRANT HOSE BIBB HB DOMESTIC HOT WATER IN ACCORDANCE WITH NTS NOT TO SCALE NOT IN CONTRACT NORMALLY OPEN NORMALLY CLOSED POUNDS PER SQUARE INCH DOMESTIC RECIRCULATING HOT WATER TP TRAP PRIMER TYPICAL UNLESS OTHERWISE NOTED VTR VENT THRU ROOF WCO WALL CLEANOUT POINT OF CONNECTION LIMIT OF DEMOLITION PIPE ELBOW TURNING UP/TURNING DOWN PIPE TEE TURNING UP/TURNING DOWN —— CA —— COMPRESSED AIR GAS LINE ——G—— -----GW-----SANITARY WASTE PIPING TO GREASE TRAP — VT — VENT PIPING — E(NAME) — EXISTING PIPING (THIN LINE) ABANDONED EXISTING PIPING (THIN LINE) -ABAN(NAME)-DOMESTIC COLD WATER PIPING _____ DOMESTIC HOT WATER SUPPLY _____ DOMESTIC RECIRCULATING HOT WATER _____ CLEANOUT IN CEILING SPACE FLOOR CLEANOUT EXTERIOR CLEANOUT BALANCING VALVE BALL VALVE CHECK VALVE PIPING UNION THERMOMETER <u>FD-#</u> FLOOR DRAIN DESIGNATOR PLUMBING FIXTURE DESIGNATOR **EQUIPMENT TAG DESIGNATOR**

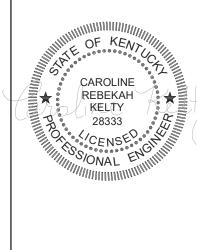
TAGGED NOTE DESIGNATOR

REVISION DESIGNATOR

TEMPERATURE SENSOR

HOSE BIB









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PLUMBING LEGEND, SCHEDULES AND DETAILS

DATE 1/14/19 COMM NO. 2017066.01

P100

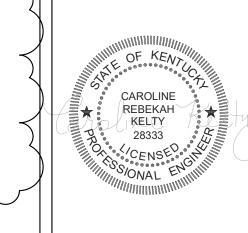
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1 FIRST FLOOR PLAN - PLUMBING DEMOLITION
P201 3/32" = 1'-0"

TAGGED NOTES

P75 CAP EXISTING WATER, SANITARY, AND VENT PIPING TO EXISTING WASHER BOX IN WALL. TYPICAL ON ALL THREE LEVELS.

P76 CAP EXISTING WATER, SANITARY, AND VENT PIPING TO EXISTING KITCHENETTE SINK IN WALL. TYPICAL ON ALL THREE LEVELS.



250 Civic Center Drive, Ste 200 | 223 Fairfield Avenue, Ste 100 | Bellevue, Kentucky 41073 | 859.360.1234

312 Plum Street, Ste 700 | 250 Civic Center Drive, S Cincinnati, Ohio 45202 | Columbus, Ohio 43215 513.381.2112

NORTHERN KENTUCKY UNIVERSITY

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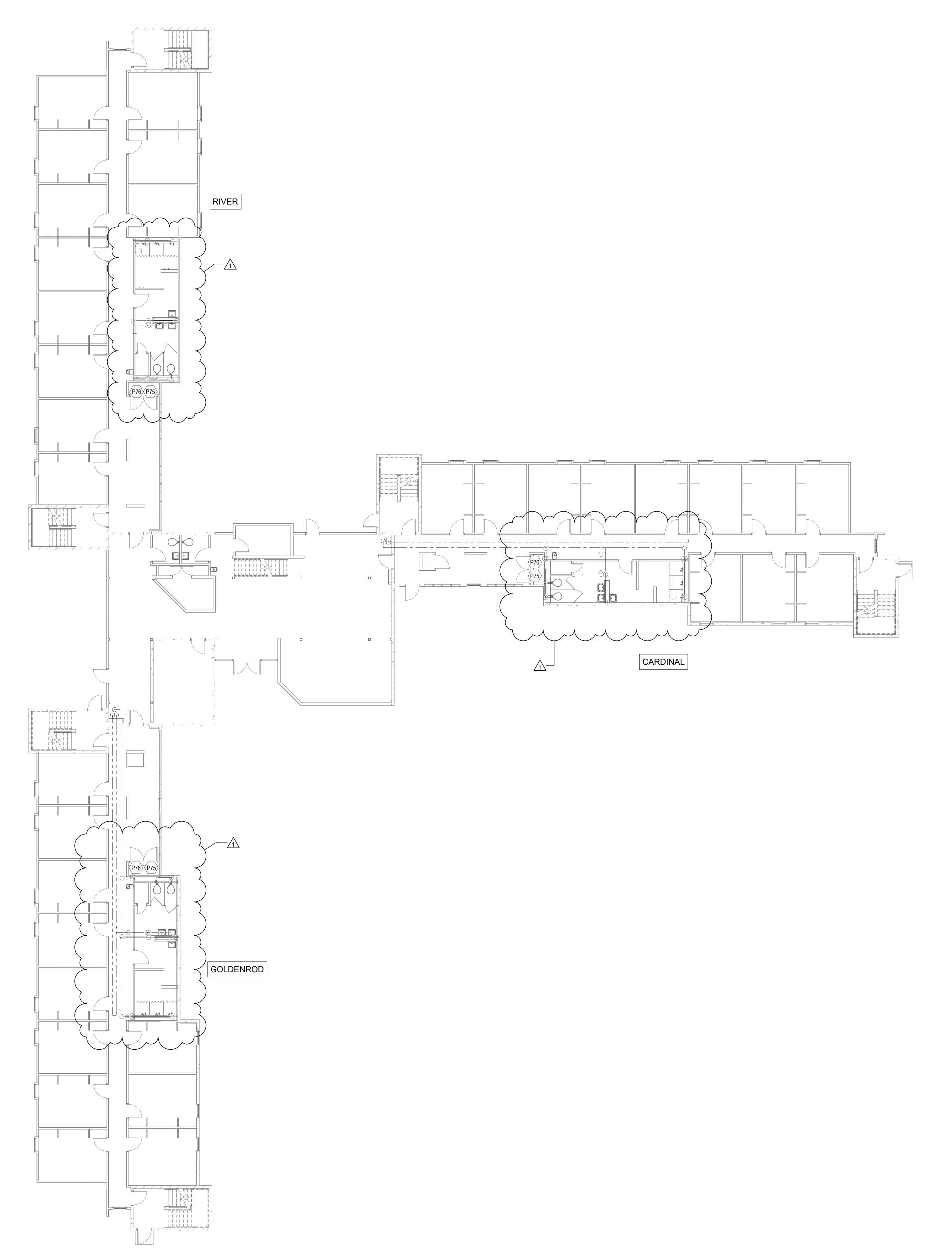
FIRST FLOOR

FIRST FLOOR
PLAN PLUMBING
DEMOLITION

DATE 1/14/19

COMM NO. 2017066.01

P201



HAZARDOUS MATERIALS NOTE:

THE OWNER HAS ATTEMPTED TO REMOVE ALL KNOWN ASBESTOS: HOWEVER. THE CONTRACTOR IS HEREBY ADVISED THAT IT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC. WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN ME ASCERTAINED TO BE NON-HAZARDOUS. CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. NKU WILL ATTEMPT TO HAVE A REPORT IDENTIFYING THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS, OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM/HER IMMEDIATELY. THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, IT'S PRINCIPALS, EMPLOYEES, AGENTS, OR CONSULTANTS, ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND. INDEMNIFY AND HOLD CMTA, IT'S PRINCIPALS, EMPLOYEES, AGENTS, OR CONSULTANT HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER THIRD PARTY.

MECHANICAL GENERAL NOTES:

- COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY
- INSTALLED AT THE EXPENSE OF THE CONTRACTOR.

 THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST
- STRINGENT REQUIREMENT SHALL APPLY.

 C. WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- D. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
- E. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
 F. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- G. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- H. CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING,
 HVAC AND ELECTRICAL WORK DURING DEMOLITION. IF
 ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD
 VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE
 ROUTE TO RUN THESE ITEMS. THEN CONTACT THE
 ENGINEERS TO REVIEW THE ROUTING.
- I. IF AREA OF CONSTRUCTION HAS A POST TENSION FLOOR SLAB. CONTRACTOR SHALL USE ULTRA SOUND OR OTHER APPROVED METHODS TO SURVEY THE EXISTING FLOOR STRUCTURE BEFORE MAKING ANY AND ALL FLOOR PENETRATIONS.
- I. WHERE FIRE PROOFING IS SPRAYED ON EXISTING
 STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC,
 STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED
 GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL
 THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.
 ALL PENETRATIONS OF FIRE AND SMOKE RATED

ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED

- PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.

 L. ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE,
- AND SHALL COMPLY WITH INTERIM LIFE SAFETY
 MEASURES.
 M. ALL DUCTWORK, PIPING, CONDUITS, ETC. IN ROOMS WITH
 CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- N. INSTALL AIR VENTS AT HIGH POINTS IN PIPING AND DRAINS IN LOW POINTS. USE CARE TO AVOID FREEZING OF EXTERIOR VENTS.
- O. LOCATIONS OF PIPING, DUCTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN
- THE FIELD. DO NOT SCALE THE DRAWINGS.

 P. ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARILY
- P. ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARIL'S SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- Q. COORDINATE ALL HVAC WORK WITH ELECTRICAL,
 PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE
 WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.
 INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT IN STRICT
 ACCORDANCE WITH MANUFACTURER'S INSTALLATION
 INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED
 IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR
 TO INSTALLATION FOR CLARIFICATION. PROVIDE

RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR

- ALL EQUIPMENT.

 S. SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING

 PENETRATIONS THROUGH, WALLS, ELOOPS AND POO
- PENETRATIONS THROUGH WALLS, FLOORS AND ROOF.
 PROVIDE FIRE STOPPING IN FIRE PARTITION.

 T. SEAL ALL NEW DUCTWORK JOINTS WITH UNITED MCGILL,
 PROVIDED FOLLOW WATER PASED SEALANT.
- IRONGRIP 601 OR EQUAL WATER BASED SEALANT.

 U. ALL MOTOR DRIVEN EQUIPMENT SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO DUCTWORK, PIPING, ETC., UNLESS OTHERWISE NOTED.
- V. THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT
- CONFLICT WITH NEW WORK.

 W. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF
- ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.

 X. DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS.
- TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.

 Y. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- Z. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE
- PURCHASER.

 AA. VALVES, BALANCING DAMPERS OR ANY
 MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL
 NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT
 POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR
 SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY
 MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH
 ITEMS SHALL NOT BE LOCATED AN UNREASONABLE
 DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH
 ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED
 SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT,
- CONTACT ENGINEER PRIOR TO INSTALLING.

 BB. ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GRADE UNLESS SPECIFICALLY NOTED
- OTHERWISE.

 CC. WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
- DD. WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.
- EE. THE DOCUMENTS COMPLY WITH 2012 IMC, 2013 KBC, AND 2009 IECC.

 FF. REFRIGERANT LINE FROM HP-"X" TO RC-"X" INDICATES LIQUID, SUCTION, AND GAS LINES OF VARIABLE REFRIGERANT FLOW SYSTEM. REFRIGERANT LINE FROM
- RC-"X" TO AC-"X"/CC-"X"/WC-"X"/FS-"X" INDICATES LIQUID AND GAS LINES OF VARIABLE REFRIGERANT FLOW SYSTEM.

 GG. WITH THE EXCEPTION OF DORMITORY DIRECTOR APARTMENT, THE BUILDING WILL BE UNOCCUPIED DURING THE CONSTRUCTION PERIOD. WORK THAT WILL BE IN PROXIMITY TO DORMITORY DIRECTOR APARTMENT MUST
- OCCUR DURING 8:00AM 5:00PM TIMEFRAME.

 HH. CONTRACTOR SHALL PROVIDE NECESSARY MEANS TO PREVENT DAMAGE TO FINISHES FROM EXPANSION AND CONTRACTION DURING RENOVATION. CONTRACTOR SHALL DOCUMENT EXISTING CONDITIONS PRIOR TO CONSTRUCTION TO INDICATE FINISHES THAT HAVE BEEN PREVIOUSLY DAMAGED.

SYMBOLS & ABBREVIATIONS

BUILDING AUTOMATION SYSTEM

CONSTANT AIR VOLUME BOX

CARBON MONOXIDE SENSOR

DUCT SMOKE DETECTOR

CONDENSATE DRAIN

CAST IRON

DOWN

FIRE DAMPER

INSIDE DIMENSION

NORMALLY CLOSED

NORMALLY OPEN

NOT IN CONTRACT

NORMALLY OPEN

NOT TO SCALE

OUTSIDE DIMENSION

OPEN RECEPTACLE

SWITCH

TYPICAL

SMOKE DAMPER

THRUST BLOCK

TOP ELEVATION

CONTRACTOR FURNISHED, CONTRACTOR INSTALLED

PRESSURE REDUCING VALVE (STEAM, WATER, GAS)

OWNER FURNISHED, CONTRACTOR INSTALLED

OWNER FURNISHED, OWNER INSTALLED

PRESSURE REDUCING STATION

POUNDS PER SQUARE INCH

UNLESS NOTED OTHERWISE

CAV

CO

DD

FD

NO

NIC

NO

NTS

OD

CFCI

OFCI

OFOI

OR

PRS

PRV

PSI

TYP

UNO

| | SUPPLY DIFFUSER | VAV | VARIABLE AIR VOLUME BOX |
|--------|-------------------------------|---|-------------------------------------|
| | RETURN GRILLE | VFD | VARIABLE FREQUENCY DRIVE |
| | EXHAUST GRILLE | XXX X | EQUIPMENT TAG DESIGNATOR |
| | LINEAR SLOT DIFFUSER | | POINT OF CONNECTION |
| SA | SUPPLY AIR DUCT | ◆ | LIMIT OF DEMOLITION |
| RA - | RETURN AIR DUCT | _ | PIPE ELBOW TURNING UP/TURNING DOW |
| EA | EXHAUST AIR DUCT | —O— — C | PIPE TEE TURNING UP/TURNING DOWN |
| RA | OUTSIDE AIR DUCT | —— R ——— | REFRIGERANT |
| OA | TRANSFER AIR DUCT | —— CD —— | CONDENSATE DRAIN |
| SA | SA AIR DUCT TURNING UP | — D(NAME) — | PIPING TO BE DEMOLISHED |
| SA | SA AIR DUCT TURNING DOWN | — E(NAME) — | EXISTING PIPING |
| RA | RA AIR DUCT TURNING UP | -ABAN(NAME)- | ABANDONED EXISTING PIPING |
| RA | RA AIR DUCT TURNING DOWN | ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | EXISTING DUCT OR PIPING TO BE REMOV |
| EA | EA AIR DUCT TURNING UP | —— <u></u> | BALL VALVE |
| EA | EA AIR DUCT TURNING DOWN | | PIPING UNION |
| (NAME) | DUCT TO BE DEMOLISHED | | |
| (NAME) | EXISTING DUCT | | THERMOMETER |
| ++++ | FLEXIBLE DUCT | <u>\(\mathbb{x} \) \(\tag{x} \)</u> | TAGGED NOTE DESIGNATOR |
| FD | FIRE DAMPER | (x) | REVISION DESIGNATOR |
| SD | SMOKE DAMPER | T | THERMOMETER |
| FSD | COMBINATION FIRE/SMOKE DAMPER | Ts | TEMPERATURE SENSOR |
| | MOTORIZED DAMPER | | |
| | VOLUME DAMPER | | |
| AFF | ABOVE FINISHED FLOOR | | |
| AFR | ABOVE FINISHED ROOF | | |

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CAROLINE

REBEKAH

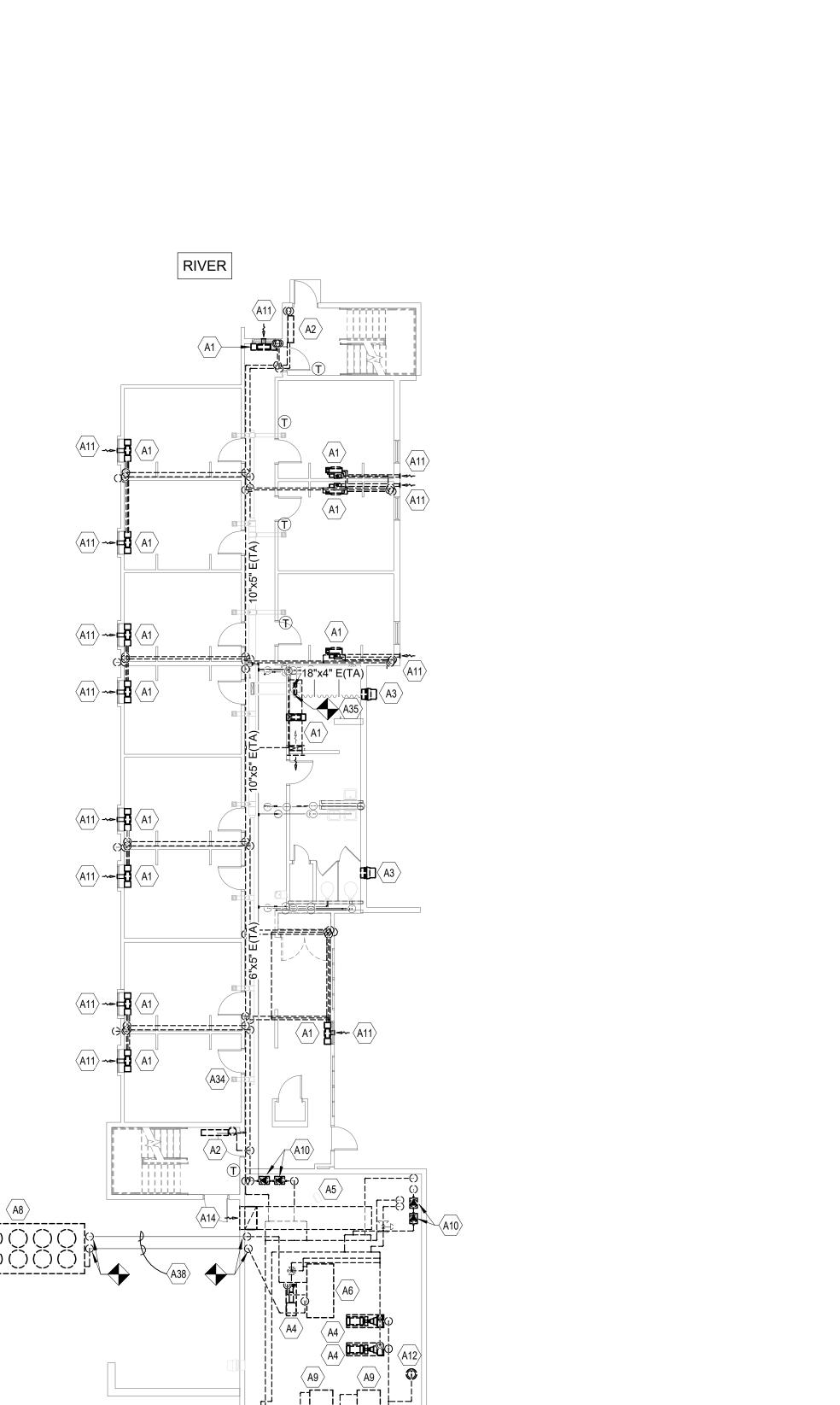
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MECHANICAL LEGEND

DATE 1/14/19

COMM NO. 2017066.01



1 LOWER LEVEL PLAN - HVAC DEMOLITION
M200 3/32" = 1'-0"

A1 REMOVE EXISTING FAN COIL UNIT AND ASSOCIATED PIPING, VALVES, WIRING, CONTROLS, CONDENSATE, DUCTWORK, ETC. PATCH AND REPAIR INTERIOR WALL TO MATCH ADJACENT.

A2 REMOVE EXISTING CONVECTOR AND ASSOCIATED PIPING, VALVES, CONTROLS, ETC. PATCH AND REPAIR WALL TO MATCH ADJACENT. A3 REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, GRILLES, WIRING, CONTROLS, ETC. PROVIDE PAINT GRIP SHEET METAL BLANK PANEL TO PATCH AND REPAIR EXTERIOR WALL. PROVIDE INSULATED

PANEL BETWEEN SHEET METAL BLANK AND INTERIOR WALL. SEAL AIR TIGHT. PAINT COLOR SHALL BE SELECTED BY ARCHITECT. A4 REMOVE EXISTING PUMP AND ASSOCIATED PIPING, VALVES, WIRING, CONCRETE PAD, ETC. A5 EXISTING UNIT HEATER TO REMAIN.

A6 REMOVE EXISTING CHILLER AND ASSOCIATED PIPING, VALVES, WIRING, ETC. CONTRACTOR SHALL RECOVER AND RECYCLE ALL REFRIGERANT. RECOVERED REFRIGERANT SHALL BE RECYCLED TO NKU'S RECOVERY

A7 REMOVE EXISTING COLD WATER MAKE-UP ASSEMBLY AND ASSOCIATED PIPING, VALVES, WIRING, ETC. A8 REMOVE EXISTING AIR COOLED CONDENSER AND ASSOCIATED PIPING, VALVES, WIRING, CONCRETE PAD, ETC.

A9 REMOVE EXISTING BOILER AND ASSOCIATED PIPING, VALVES, WIRING, CONCRETE PAD, ETC. CAP GAS PIPING AT PIPE ELBOW FROM ABOVE A10 REMOVE EXISTING PUMP AND ASSOCIATED PIPING, VALVES, WIRING, ETC.

A11 EXISTING LOUVER INTAKE TO REMAIN. PROVIDE SHEET METAL AND EXTERNAL DUCT INSULATION FOR EXISTING INTAKE LOUVER. PATCH AND REPAIR INTERIOR WALL TO MATCH ADJACENT. A12 REMOVE EXISTING EXPANSION TANK AND ASSOCIATED PIPING,

CONCRETE PAD, ETC. A14 EXISTING LOUVER TO REMAIN. CONTRACTOR SHALL REMOVE ASSOCIATED DUCT, DAMPER, ETC. PROVIDE SHEET METAL AND EXTERNAL DUCT INSULATION FOR EXISTING LOUVER. PROVIDE SHEET METAL BLANK-OFF SHEET AT INTERIOR WALL OF MECHANICAL ROOM.

A34 EXISTING TRANSFER AIR GRILLE TO REMAIN. TYPICAL. A35 EXTENT OF DUCTWORK DEMOLITION. EXISTING TRANSFER AIR DUCTWORK FROM THIS POINT TO AIR TERMINALS IN BEDROOMS SHALL REMAIN. A38 ABANDON EXISTING UNDERGROUND CONDENSER SUPPLY AND RETURN PIPING FROM CONDENSER TO ENTRANCE OF MECHANICAL ROOM 1102. CAP PIPING BELOW GRADE AND IN MECHANICAL ROOM.

TAGGED NOTES

CAROLINE REBEKAH KELTY 28333

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LOWER LEVEL PLAN - HVAC DEMOLITION

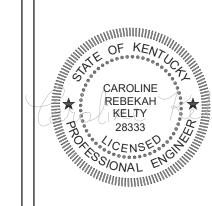
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A1 REMOVE EXISTING FAN COIL UNIT AND ASSOCIATED PIPING, VALVES, WIRING, CONTROLS, CONDENSATE, DUCTWORK, ETC. PATCH AND REPAIR INTERIOR WALL TO MATCH ADJACENT. A2 REMOVE EXISTING CONVECTOR AND ASSOCIATED PIPING, VALVES,

CONTROLS, ETC. PATCH AND REPAIR WALL TO MATCH ADJACENT. A3 REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, GRILLES, WIRING, CONTROLS, ETC. PROVIDE PAINT GRIP SHEET METAL BLANK PANEL TO PATCH AND REPAIR EXTERIOR WALL. PROVIDE INSULATED PANEL BETWEEN SHEET METAL BLANK AND INTERIOR WALL. SEAL AIR TIGHT. PAINT COLOR SHALL BE SELECTED BY ARCHITECT.

A11 EXISTING LOUVER INTAKE TO REMAIN. PROVIDE SHEET METAL AND EXTERNAL DUCT INSULATION FOR EXISTING INTAKE LOUVER. PATCH AND REPAIR INTERIOR WALL TO MATCH ADJACENT. A13 EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, GRILLES, CONTROLS, ETC. TO REMAIN.

A15 EXISTING ELECTRIC CEILING HEATER AND ASSOCIATED CONTROLS, ETC TO REMAIN. A35 EXTENT OF DUCTWORK DEMOLITION. EXISTING TRANSFER AIR DUCTWORK FROM THIS POINT TO AIR TERMINALS IN BEDROOMS SHALL REMAIN.



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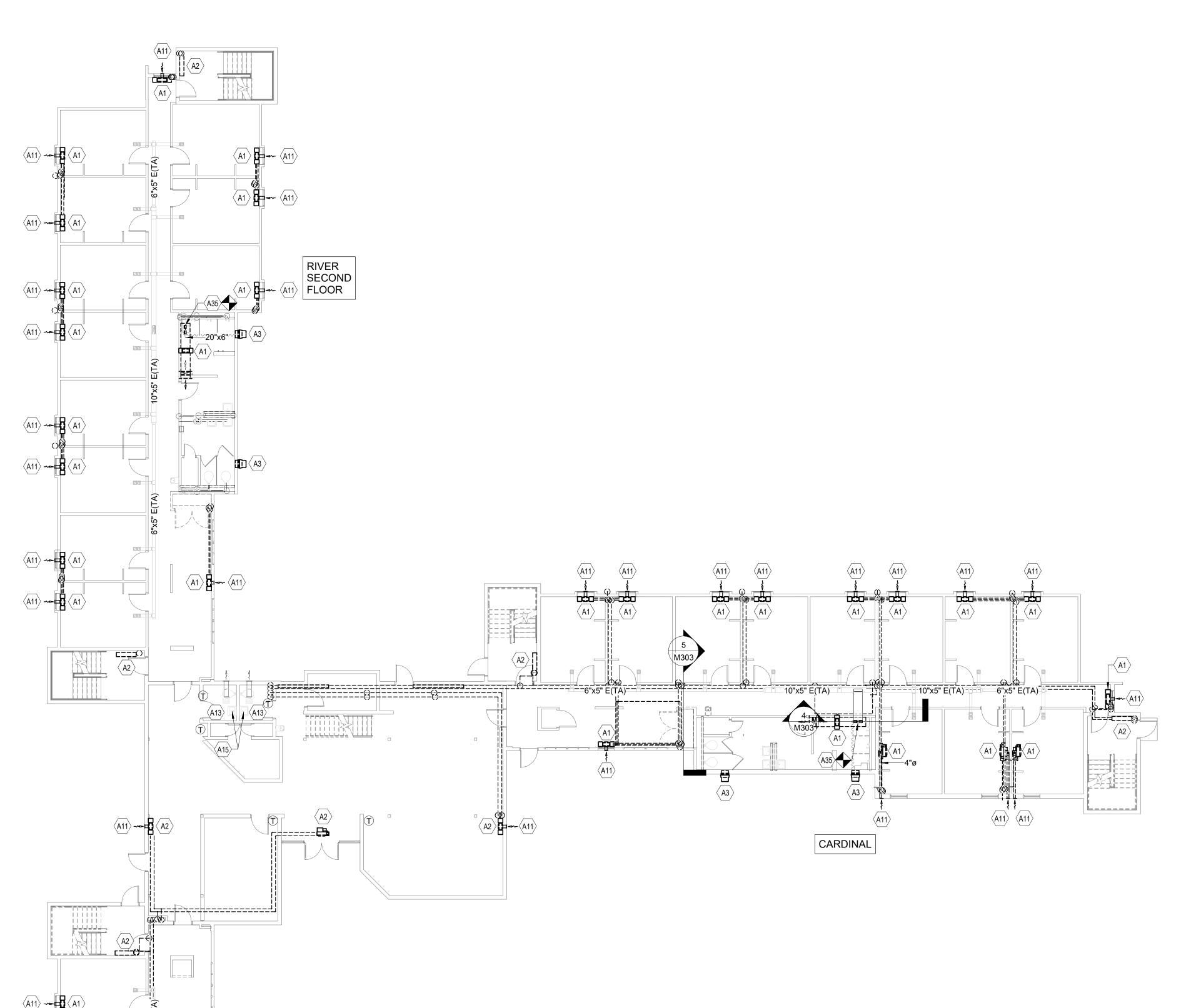
COMMONWEALTH HALL RENOVATION

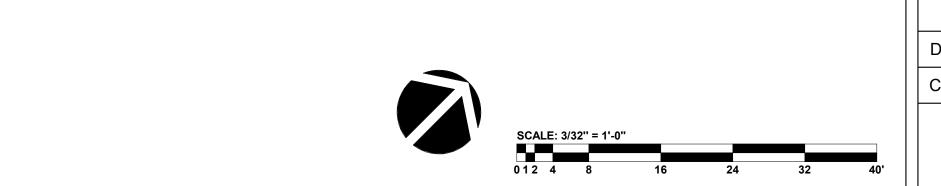
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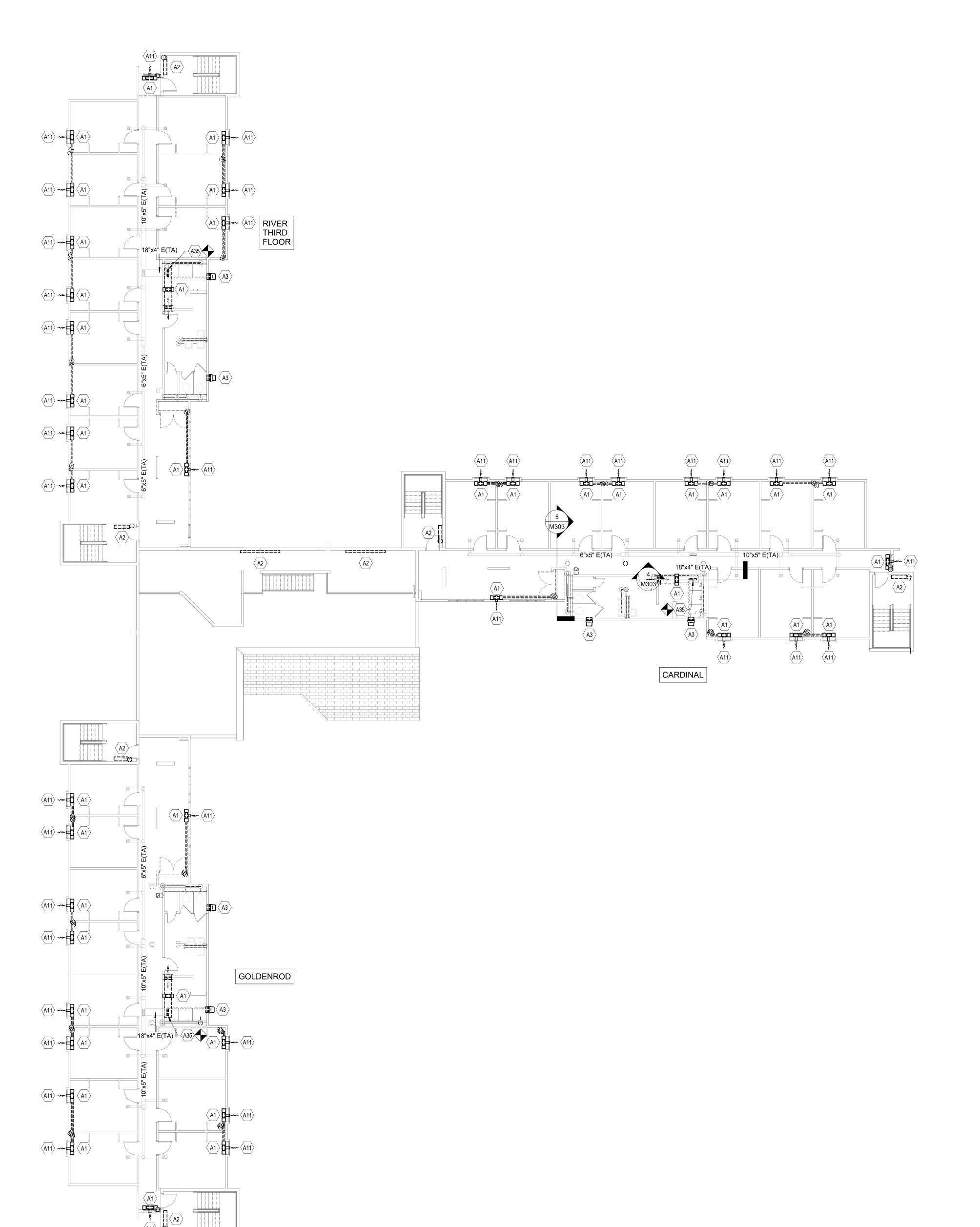
ISSUANCES

FIRST FLOOR PLAN - HVAC DEMOLITION

COMM NO. 2017066.01







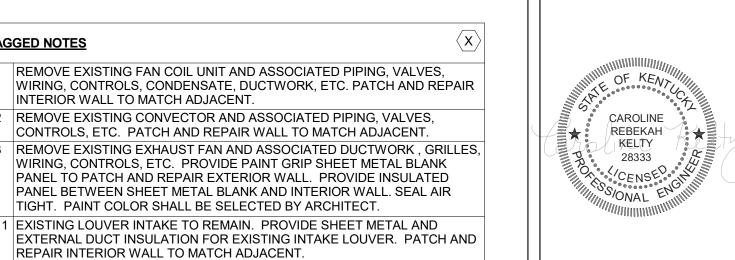
TAGGED NOTES

A1 REMOVE EXISTING FAN COIL UNIT AND ASSOCIATED PIPING, VALVES, WIRING, CONTROLS, CONDENSATE, DUCTWORK, ETC. PATCH AND REPAIR INTERIOR WALL TO MATCH ADJACENT. A2 REMOVE EXISTING CONVECTOR AND ASSOCIATED PIPING, VALVES,

CONTROLS, ETC. PATCH AND REPAIR WALL TO MATCH ADJACENT. A3 REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, GRILLES, WIRING, CONTROLS, ETC. PROVIDE PAINT GRIP SHEET METAL BLANK PANEL TO PATCH AND REPAIR EXTERIOR WALL. PROVIDE INSULATED PANEL BETWEEN SHEET METAL BLANK AND INTERIOR WALL. SEAL AIR TIGHT. PAINT COLOR SHALL BE SELECTED BY ARCHITECT. A11 EXISTING LOUVER INTAKE TO REMAIN. PROVIDE SHEET METAL AND

A35 EXTENT OF DUCTWORK DEMOLITION. EXISTING TRANSFER AIR DUCTWORK FROM THIS POINT TO AIR TERMINALS IN BEDROOMS SHALL REMAIN.

REPAIR INTERIOR WALL TO MATCH ADJACENT.



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ISSUANCES

SECOND FLOOR PLAN -HVAC DEMOLITION

COMM NO. 2017066.01

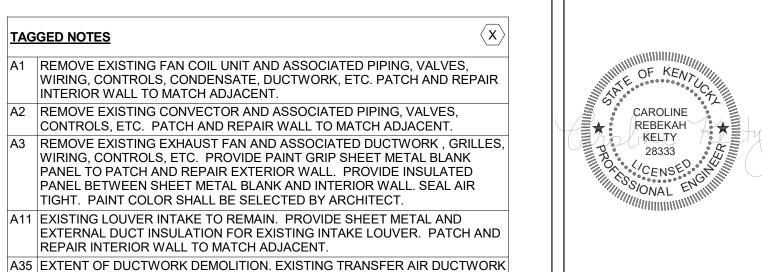
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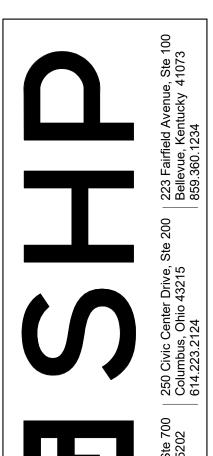
1 SECOND FLOOR PLAN - HVAC DEMOLITION

REPAIR INTERIOR WALL TO MATCH ADJACENT.

A2 REMOVE EXISTING CONVECTOR AND ASSOCIATED PIPING, VALVES, CONTROLS, ETC. PATCH AND REPAIR WALL TO MATCH ADJACENT. A3 REMOVE EXISTING EXHAUST FAN AND ASSOCIATED DUCTWORK, GRILLES, WIRING, CONTROLS, ETC. PROVIDE PAINT GRIP SHEET METAL BLANK PANEL TO PATCH AND REPAIR EXTERIOR WALL. PROVIDE INSULATED PANEL BETWEEN SHEET METAL BLANK AND INTERIOR WALL. SEAL AIR TIGHT. PAINT COLOR SHALL BE SELECTED BY ARCHITECT. A11 EXISTING LOUVER INTAKE TO REMAIN. PROVIDE SHEET METAL AND

FROM THIS POINT TO AIR TERMINALS IN BEDROOMS SHALL REMAIN.





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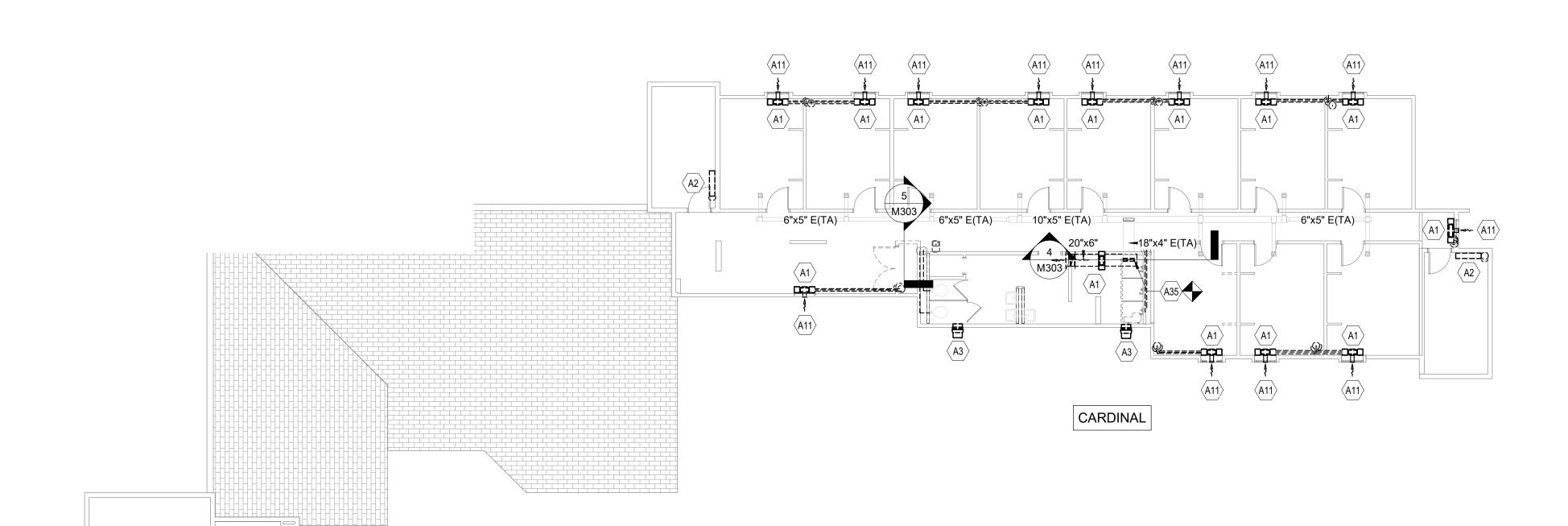
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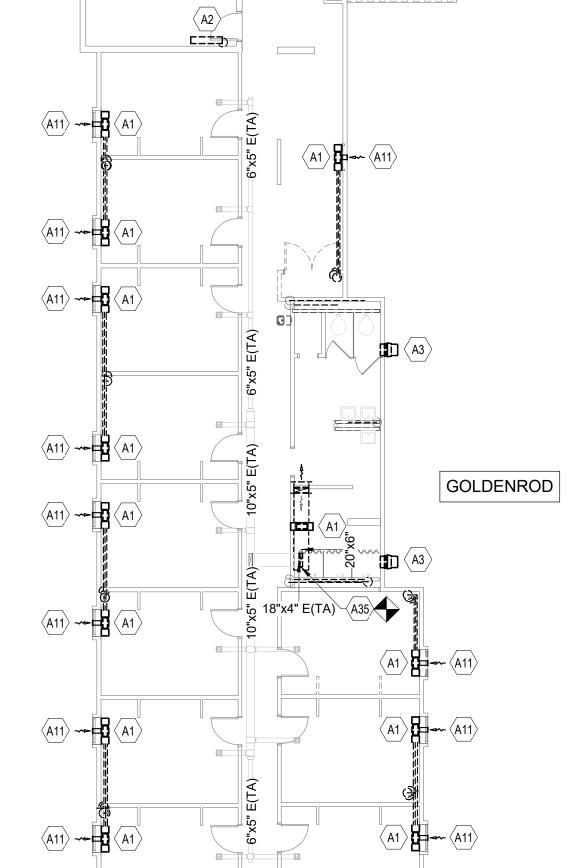
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ISSUANCES

THIRD FLOOR
PLAN - HVAC
DEMOLITION

COMM NO. 2017066.01





GENERAL NOTES:

TAGGED NOTES

TYPICAL.

- A. REFER TO MECHANICAL PIPING SCHEMATICS FOR ALL REFRIGERANT PIPE SIZES. REFER TO MECHANICAL SCHEDULE SHEET FOR VRF UNIT
- CONDENSATE DRAIN PIPE SIZES. C. ALL NEW FLOOR PENETRATIONS FROM DUCTS (OUTSIDE AIR, EXHAUST AIR, ETC.) SHALL BE PROVIDED WITH FIRE DAMPERS. ALL

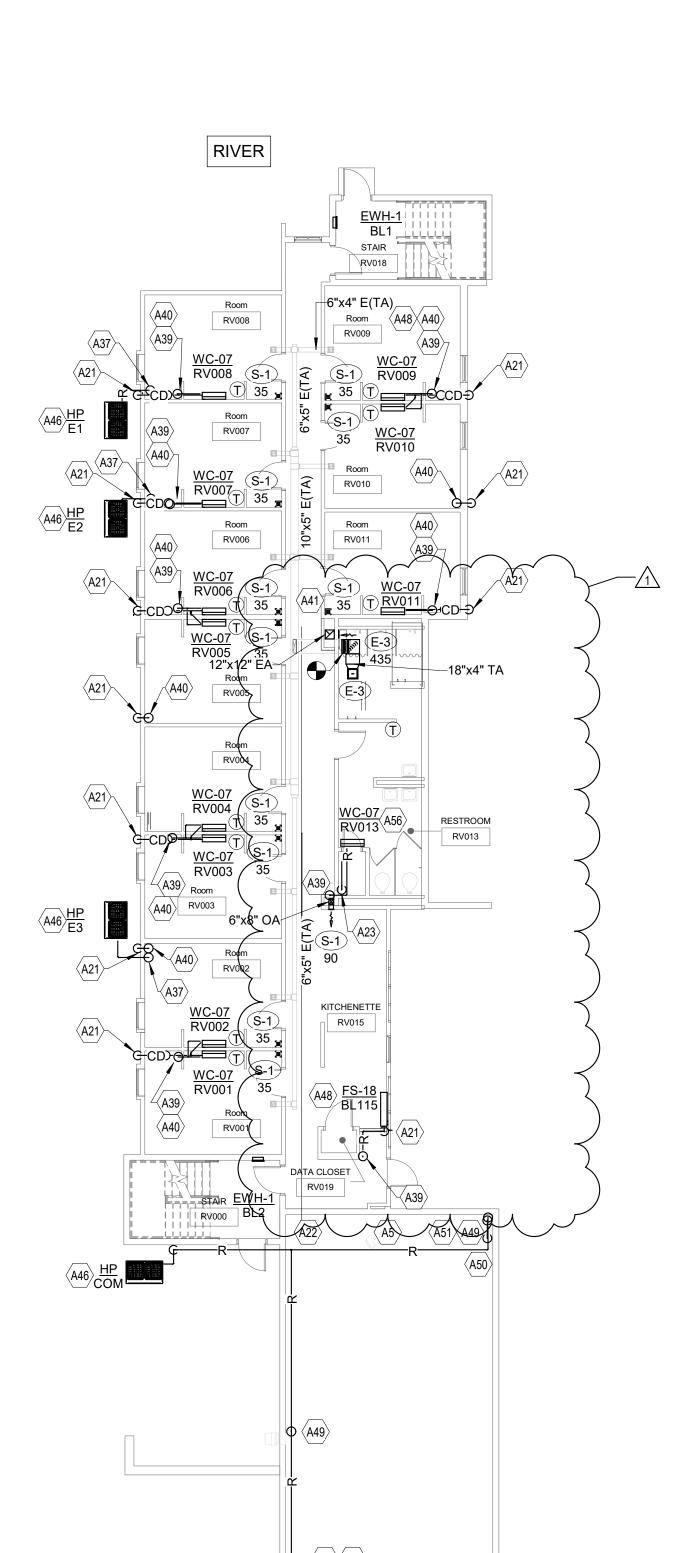
NEW FLOOR PENETRATIONS FROM PIPING SHALL BE FIRE STOPPED. A5 EXISTING UNIT HEATER TO REMAIN. A21 SPILL CONDENSATE TO GRADE. A22 CENTRAL TOUCHSCREEN USER INTERFACE FOR VRF SYSTEM CONTROLS. A23 SPILL 3/4" CONDENSATE DRAIN TO MOP SINK. A37 ROUTE REFRIGERANT LINES UP FROM VRF OUTDOOR UNIT TO REFRIGERANT CONTROLLER LOCATED IN ATTIC SPACE

A40 ROUTE 1-1/2" CONDENSATE PIPES UP TO FLOOR ABOVE. TYPICAL. A41 CONNECT TO EXISTING 18"x4" EXHAUST AIR DUCT. A46 PROVIDE EQUIPMENT PAD THAT EXTENDS TO EXTERIOR BUILDING WALL. CONTRACTOR SHALL LEVEL GRADE, PROVIDE CONCRETE PAD, AND RETAINING WALLS TO ENSURE A LEVEL SURFACE FOR OUTDOOR UNIT INSTALLATION. REFER TO DETAIL ON SHEET S251 FOR MECHANICAL UNIT ON GRADE SLAB INFORMATION. A48 PROVIDE PAINT GRIP FINISH SHEET METAL SHROUD TO CONCEAL

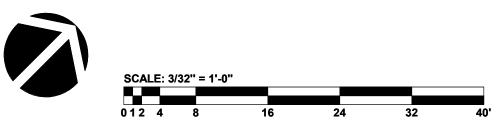
A39 ROUTE REFRIGERANT PIPES UP TO REFRIGERANT CONTROLLER IN ATTIC.

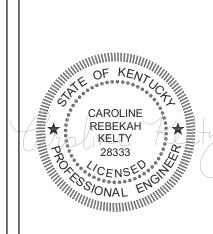
REFRIGERANT AND CONDENSATE PIPING. TYPICAL. PAINT COLOR SHALL BE SELECTED BY ARCHITECT.

A49 ROUTE REFRIGERANT PIPING UP TO FLOOR ABOVE. A50 ROUTE CONDESATE DRAIN/DOWN TO EXISTING FLOOR DRAIN.
A51 ROUTE PIPING IN EXISTING CHASE OR WALL TO FLOOR ABOVE. A56 MOUNT UNIT CENTERED ABOVE DOOR. PROVIDE PAINTED CONDUIT FROM UNIT TO THERMOSTAT FOR WIRING. CONDUIT SHALL HOLD TIGHT TO WALL AND CEILING. CONDUIT PAINT SHALL BE SELECTED BY ARCHITECT.



1 LOWER LEVEL PLAN - HVAC
M300 3/32" = 1'-0"





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ISSUANCES

LOWER LEVEL PLAN - HVAC

COMM NO. 2017066.01

FIRST FLOOR PLAN - HVAC

GENERAL NOTES:

- REFER TO MECHANICAL PIPING SCHEMATICS FOR ALL REFRIGERANT PIPE SIZES. REFER TO MECHANICAL SCHEDULE SHEET FOR VRF UNIT CONDENSATE DRAIN PIPE SIZES.
- ALL NEW FLOOR PENETRATIONS FROM DUCTS (OUTSIDE AIR, EXHAUST AIR, ETC.) SHALL BE PROVIDED WITH FIRE DAMPERS. ALL

A37 ROUTE REFRIGERANT LINES UP FROM VRF OUTDOOR UNIT TO REFRIGERANT CONTROLLER LOCATED IN ATTIC SPACE

A40 ROUTE 1-1/2" CONDENSATE PIPES UP TO FLOOR ABOVE. TYPICAL.

A39 ROUTE REFRIGERANT PIPES UP TO REFRIGERANT CONTROLLER IN ATTIC.

A46 PROVIDE EQUIPMENT PAD THAT EXTENDS TO EXTERIOR BUILDING WALL. CONTRACTOR SHALL LEVEL GRADE, PROVIDE CONCRETE PAD, AND RETAINING WALLS TO ENSURE A LEVEL SURFACE FOR OUTDOOR UNIT INSTALLATION. REFER TO DETAIL ON SHEET S251 FOR MECHANICAL UNIT

A47 MOUNT BOTTOM OF WALL MOUNTED UNIT 6'-8" ABOVE FINISHED FLOOR. A48 PROVIDE PAINT GRIP FINISH SHEET METAL SHROUD TO CONCEAL

REFRIGERANT AND CONDENSATE PIPING. TYPICAL. PAINT COLOR SHALL

A56 MOUNT UNIT CENTERED ABOVE DOOR. PROVIDE PAINTED CONDUIT FROM UNIT TO THERMOSTAT FOR WIRING. CONDUIT SHALL HOLD TIGHT TO WALL AND CEILING. CONDUIT PAINT SHALL BE SELECTED BY ARCHITECT.

A21 SPILL CONDENSATE TO GRADE.

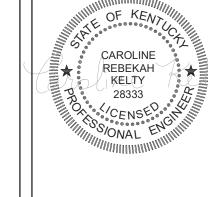
ON GRADE SLAB INFORMATION.

A49 ROVTE REFRIGERANT PIPING UP TO FLOOR ABOVE.

A52 ROUTE PIPING IN EXISTING CHASE OR WALL TO FLOOR BELOW.

A23 SPILL 3/4" CONDENSATE DRAIN TO MOP SINK.

CAROLINE REBEKAH KELTY 28333 NEW FLOOR PENETRATIONS FROM PIPING SHALL BE FIRE STOPPED. **TAGGED NOTES**



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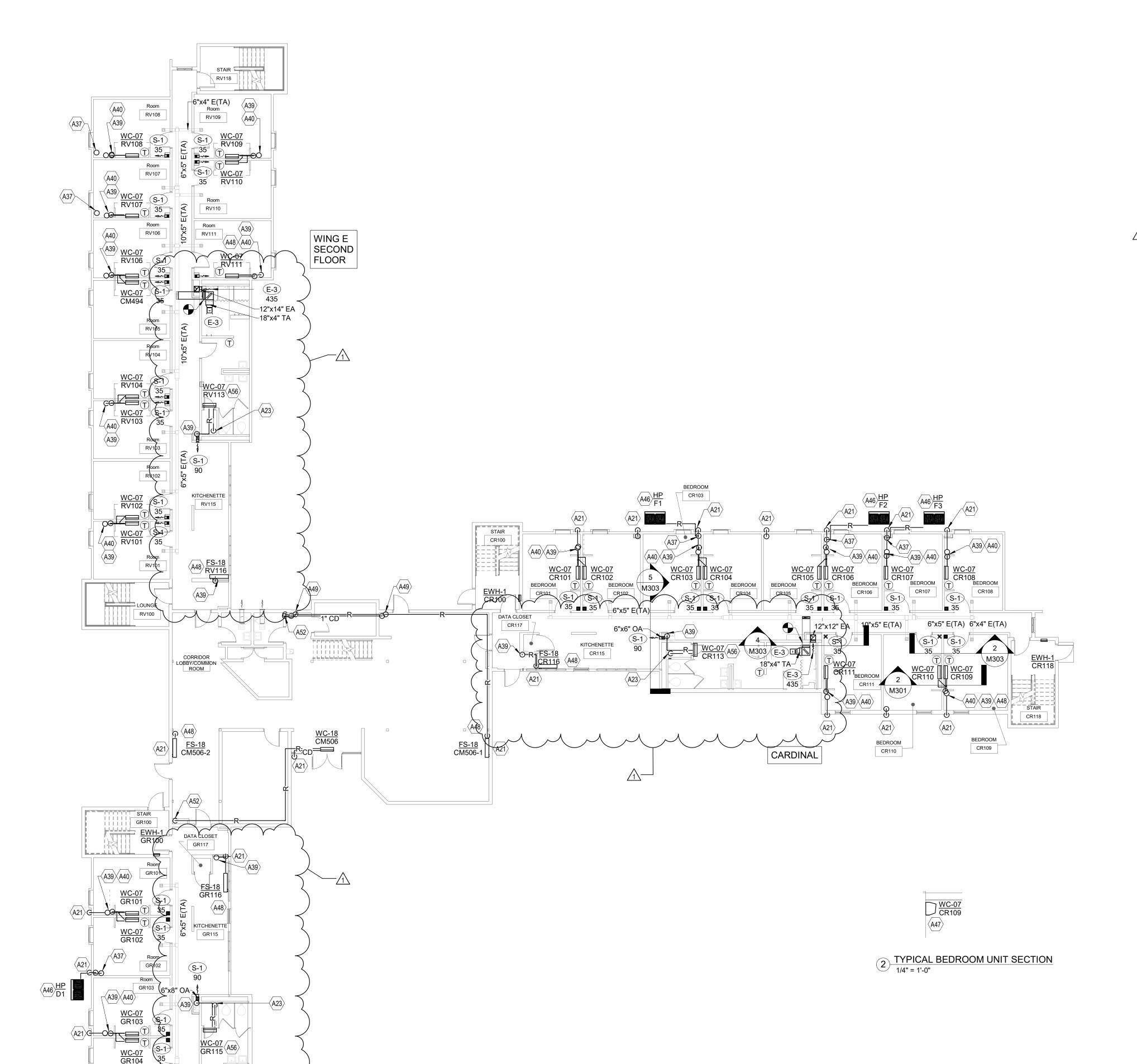
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NORTHERN KENTUCKY
COMMONWEALTH HALL

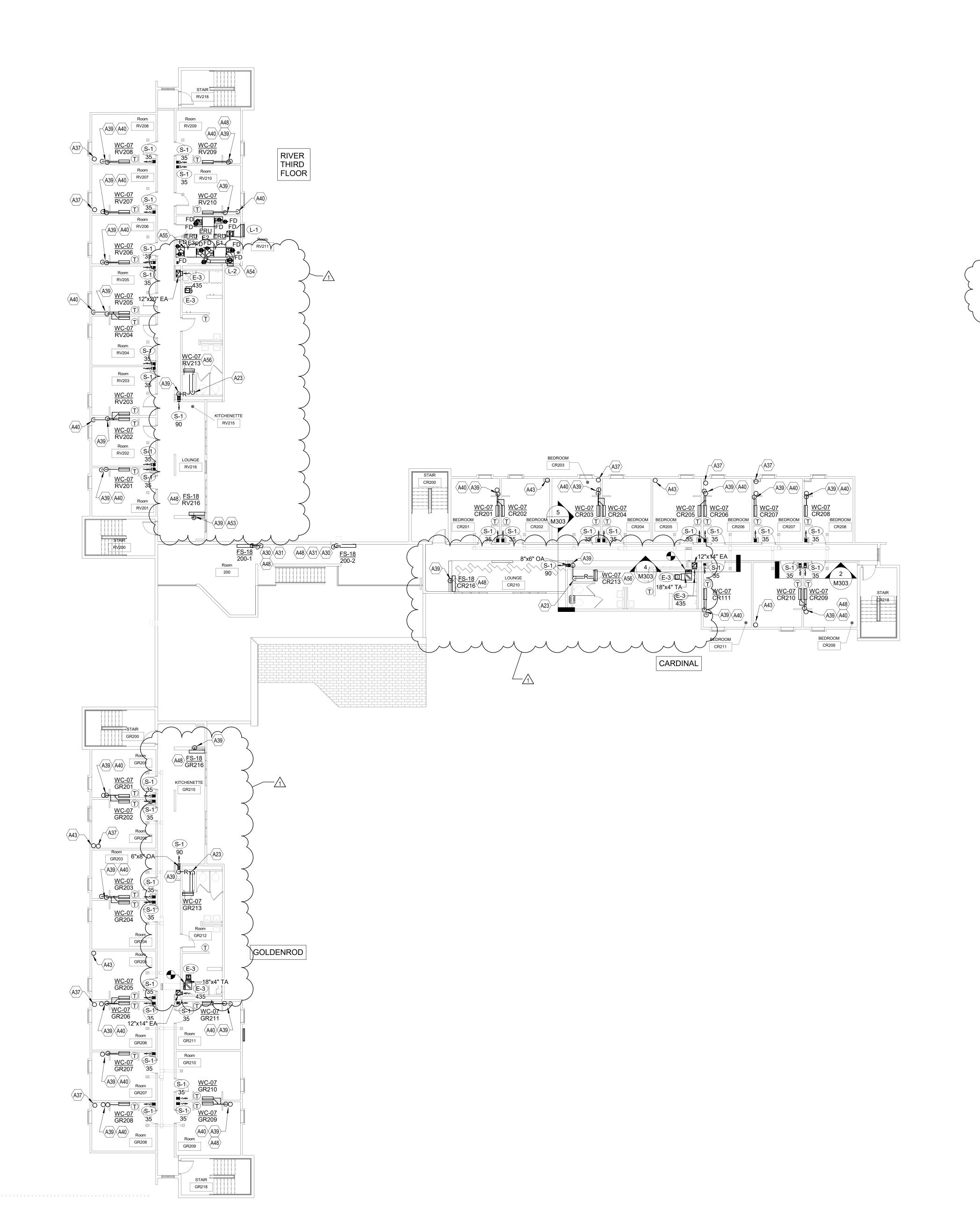
ISSUANCES | 10-19-18 | PERMIT/BID SET | 1 | 01-14-19 | SCOPE REDUCTION |

FIRST FLOOR PLAN - HVAC

COMM NO. 2017066.01



SECOND FLOOR PLAN - HVAC





TYPICAL.

REFER TO MECHANICAL PIPING SCHEMATICS FOR ALL REFRIGERANT PIPE SIZES. REFER TO MECHANICAL SCHEDULE SHEET FOR VRF LINIT CONDENSATE ALL NEW FLO

EXHAUST AIR, NEW FLOOR F

A30 ROUTE REFRIGERANT PIPING DOWN TO FLOOR BELOW. REFER TO FIRST FLOOR PLAN - HVAC, SHEET M301, FOR CONTINUATION.

A39 ROUTE REFRIGERANT PIPES UP TO REFRIGERANT CONTROLLER IN ATTIC.

REFRIGERANT AND CONDENSATE PIPING. TYPICAL. PAINT COLOR SHALL

GRADE. LOUNGE UNITS ARE STACKED AND CONDENSATE DRAIN LINES AT

A37 ROUTE REFRIGERANT LINES UP FROM VRF OUTDOOR UNIT TO REFRIGERANT CONTROLLER LOCATED IN ATTIC SPACE

A40 ROUTE 1-1/2" CONDENSATE PIPES UP TO FLOOR ABOVE. TYPICAL.

A53 PROVIDE 1" CONDENSATE LINE FROM THIRD FLOOR UNIT DOWN IN EXTERIOR WALL TO 2' ABOVE FINISHED GRADE AND DISCHARGE TO

EACH FLOOR'S LOUNGE UNIT SHALL CONNECT TO THIS MAIN 1"

A55 MOUNT UNIT ON 1" SOLID NEOPRENE VIBRATION ISOLATION PAD.

A54 CONDENSATE PIPE FROM ERU UNITS SHALL COLLECT TO 1" CONDENSATE LINE IN THIS LOCATION AND ROUTE DOWN IN CHASE DOWN TO 2' ABOVE FINISHED GRADE AND DISCHARGE TO GRADE.

A56 MOUNT UNIT CENTERED ABOVE DOOR. PROVIDE PAINTED CONDUIT FROM UNIT TO THERMOSTAT FOR WIRING. CONDUIT SHALL HOLD TIGHT TO WALL AND CEILING. CONDUIT PAINT SHALL BE SELECTED BY ARCHITECT.

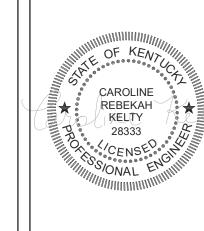
A43 ROUTE 1" CONDENSATE PIPING UP TO FLOOR ABOVE. TYPICAL. A48 PROVIDE PAINT GRIP FINISH SHEET METAL SHROUD TO CONCEAL

A31 ROUTE 1" CONDENSATE TO FLOOR BELOW.

BE SELECTED BY ARCHITECT.

CONDENSATE DRAIN LINE.

| C. | CONDENSATE DRAIN PIPE SIZES. ALL NEW FLOOR PENETRATIONS FROM DUCTS (OUTSIDE AIR, EXHAUST AIR, ETC.) SHALL BE PROVIDED WITH FIRE DAMPERS. ALL NEW FLOOR PENETRATIONS FROM PIPING SHALL BE FIRE STOPPED. | | CAR REE KE VICE |
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| TAGGE | <u>D NOTES</u> | | *************************************** |
| A23 SF | PILL 3/4" CONDENSATE DRAIN TO MOP SINK. | | |



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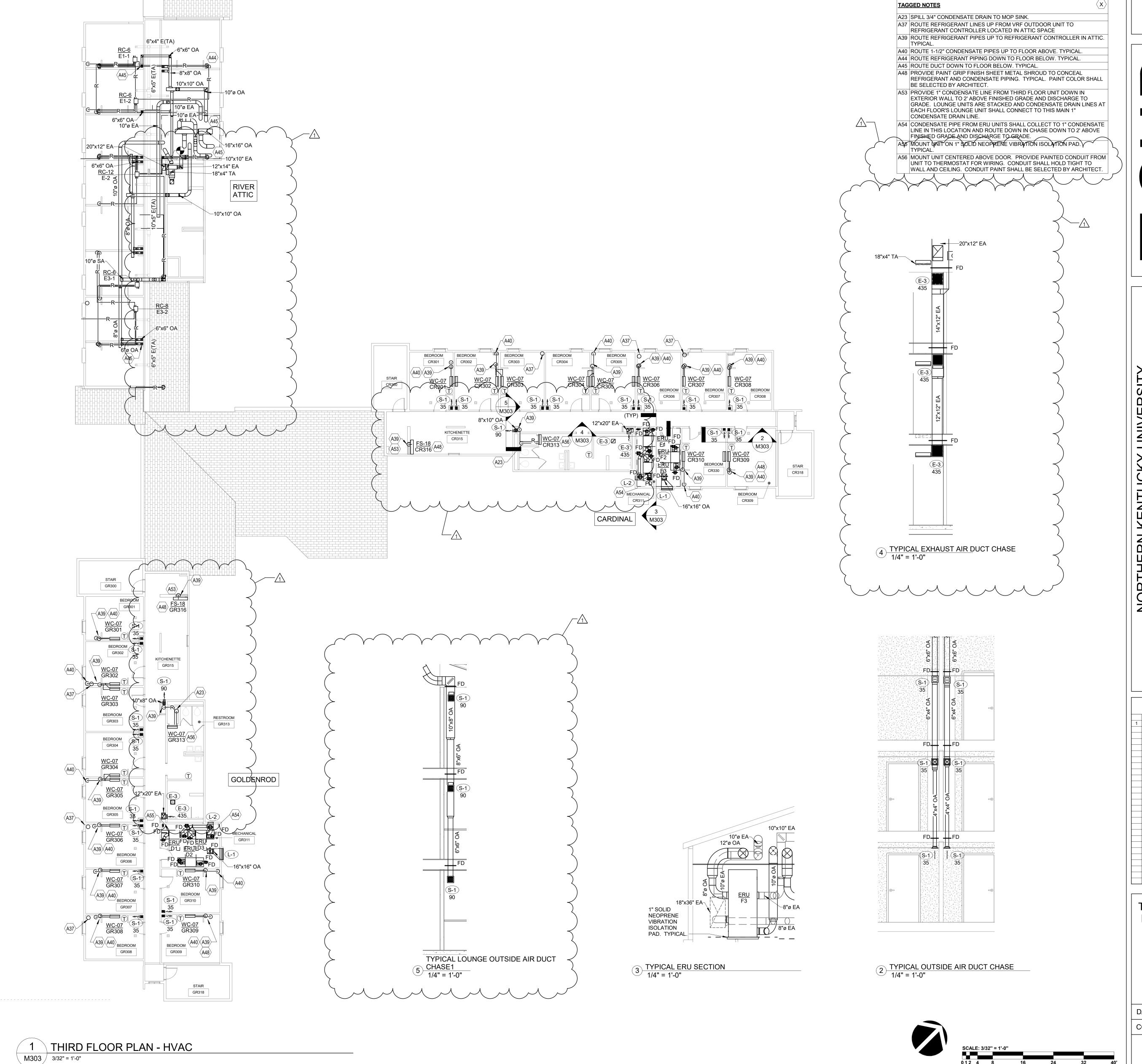
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ISSUANCES

SECOND FLOOR PLAN -HVAC

COMM NO. 2017066.01





GENERAL NOTES:

A. REFER TO MECHANICAL PIPING SCHEMATICS FOR ALL REFRIGERANT REFER TO MECHANICAL SCHEDULE SHEET FOR VRF UNIT CONDENSATE DRAIN PIPE SIZES. ALL NEW FLOOR PENETRATIONS FROM DUCTS (OUTSIDE AIR,

EXHAUST AIR, ETC.) SHALL BE PROVIDED WITH FIRE DAMPERS. ALL

NEW FLOOR PENETRATIONS FROM PIPING SHALL BE FIRE STOPPED.

CAROLINE REBEKAH KELTY

NOL

NORTHERN KENTUCKY
COMMONWEALTH HALL

Nunn Drive | Highland Heights, Ke

ISSUANCES

THIRD FLOOR PLAN - HVAC

1/14/19

COMM NO. 2017066.01

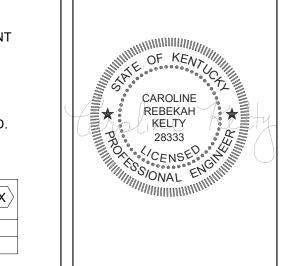
- A. REFER TO MECHANICAL PIPING SCHEMATICS FOR ALL REFRIGERANT
- PIPE SIZES.

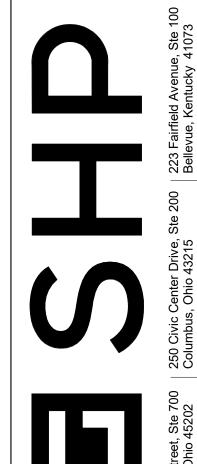
 B. REFER TO MECHANICAL SCHEDULE SHEET FOR VRF UNIT CONDENSATE DRAIN PIPE SIZES.

 C. ALL NEW FLOOR PENETRATIONS FROM DUCTS (OUTSIDE AIR, EXHAUST AIR, ETC.) SHALL BE PROVIDED WITH FIRE DAMPERS. ALL NEW FLOOR PENETRATIONS FROM PIPING SHALL BE FIRE STOPPED.

TAGGED NOTES

A44 ROUTE REFRIGERANT PIPING DOWN TO FLOOR BELOW. TYPICAL.
A45 ROUTE DUCT DOWN TO FLOOR BELOW. TYPICAL.





NORTHERN KENTUCKY UNIVERSITY

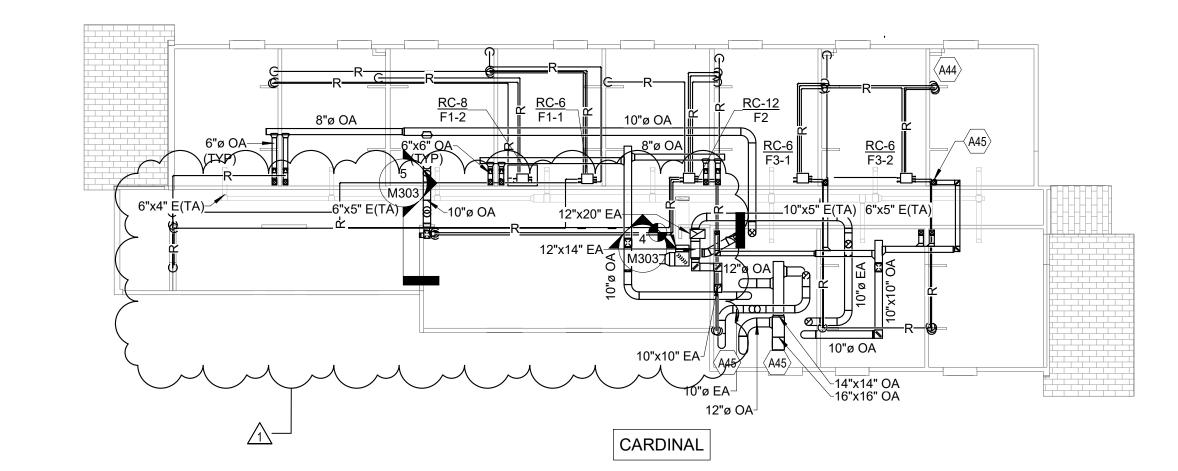
COMMONWEALTH HALL RENOVATION

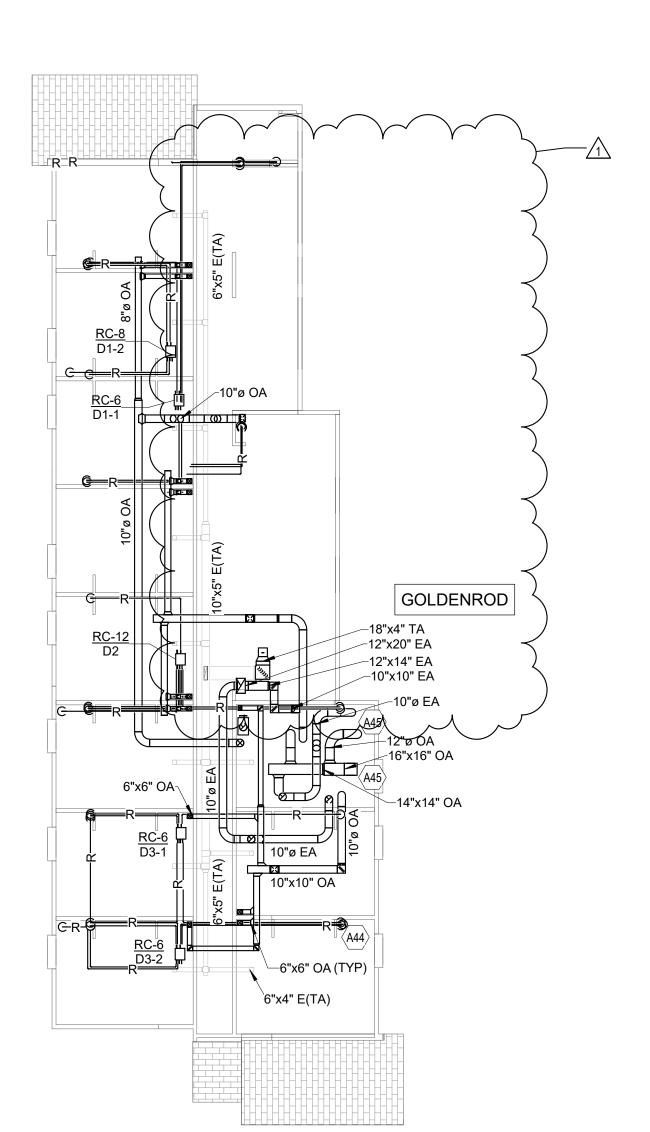
Nunn Drive | Highland Heights, Kentucky 41099

ISSUANCES | 10-19-18 | PERMIT/BID SET | 1 | 01-14-19 | SCOPE REDUCTION |

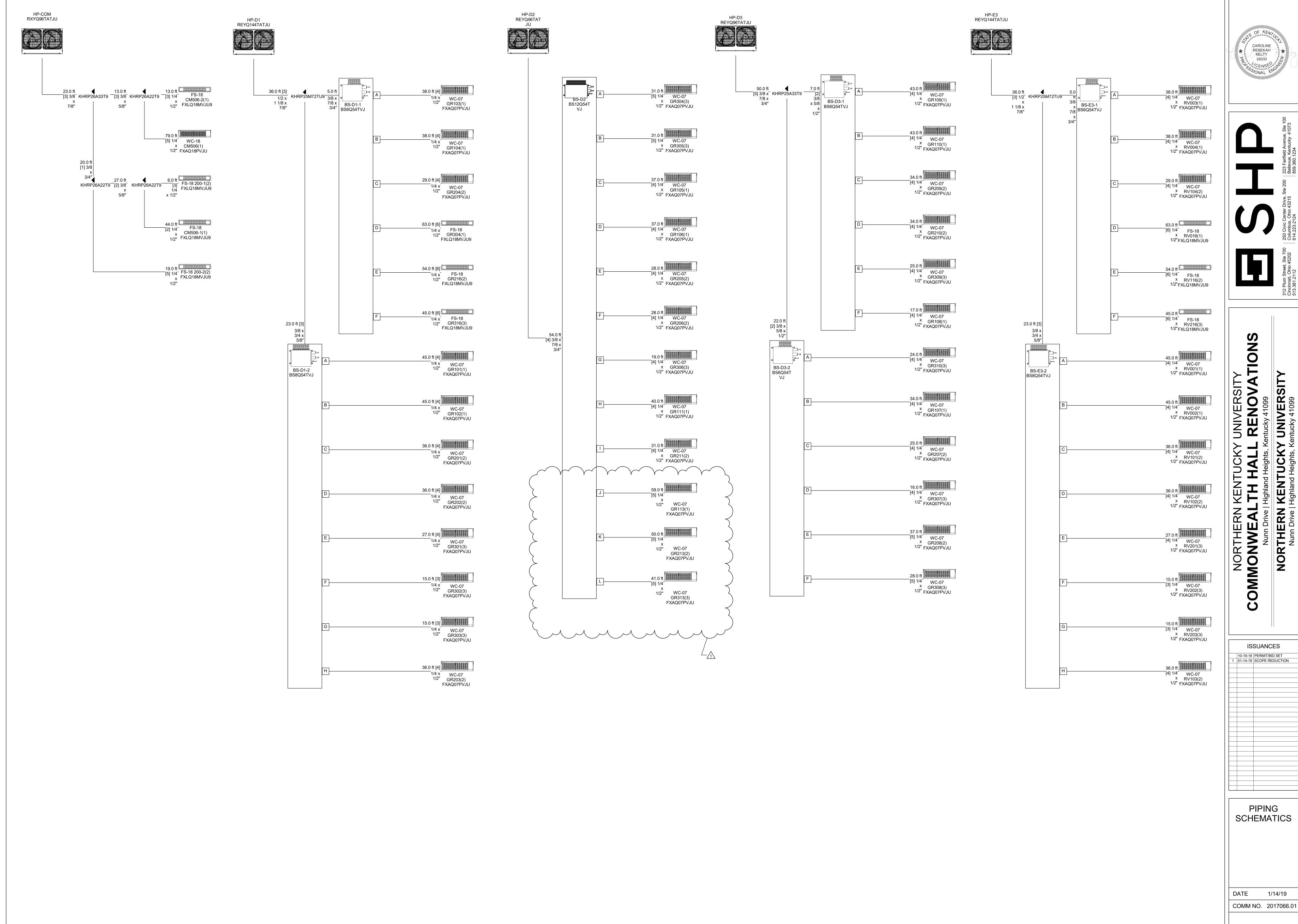
ATTIC PLAN -HVAC

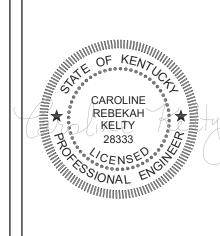
COMM NO. 2017066.01











UNIVERSITY

RENOVATIONS

Kentucky 41099 NORTHERN KENTUCKY UNIVERS

Nunn Drive | Highland Heights, Kentucky 41099 NORTHERN KENTUCKY
OMMONWEALTH HALL

Nunn Drive | Highland Heights, Ke C

ISSUANCES 10-19-18 PERMIT/BID SET 01-14-19 SCOPE REDUCTION

PIPING SCHEMATICS

1/14/19



NORTHERN KENTUCKY UNIVERSITY

OMMONWEALTH HALL RENOVATIONS

Nunn Drive | Highland Heights, Kentucky 41099

Nunn Drive | Highland Heights, Kentucky 41099

ISSUANCES

10-19-18 PERMIT/BID SET
1 01-14-19 SCOPE REDUCTION

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PIPING SCHEMATICS

DATE 1/14/19

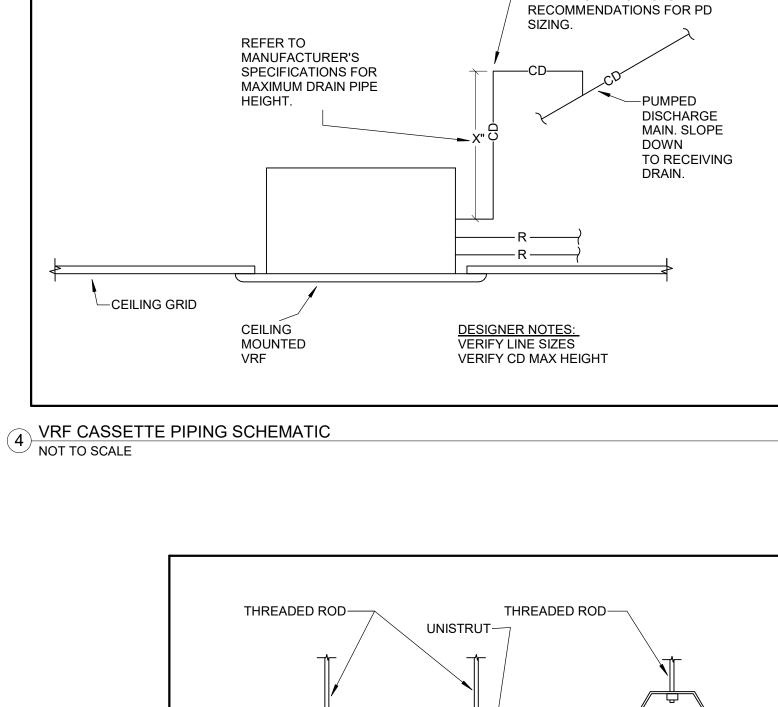
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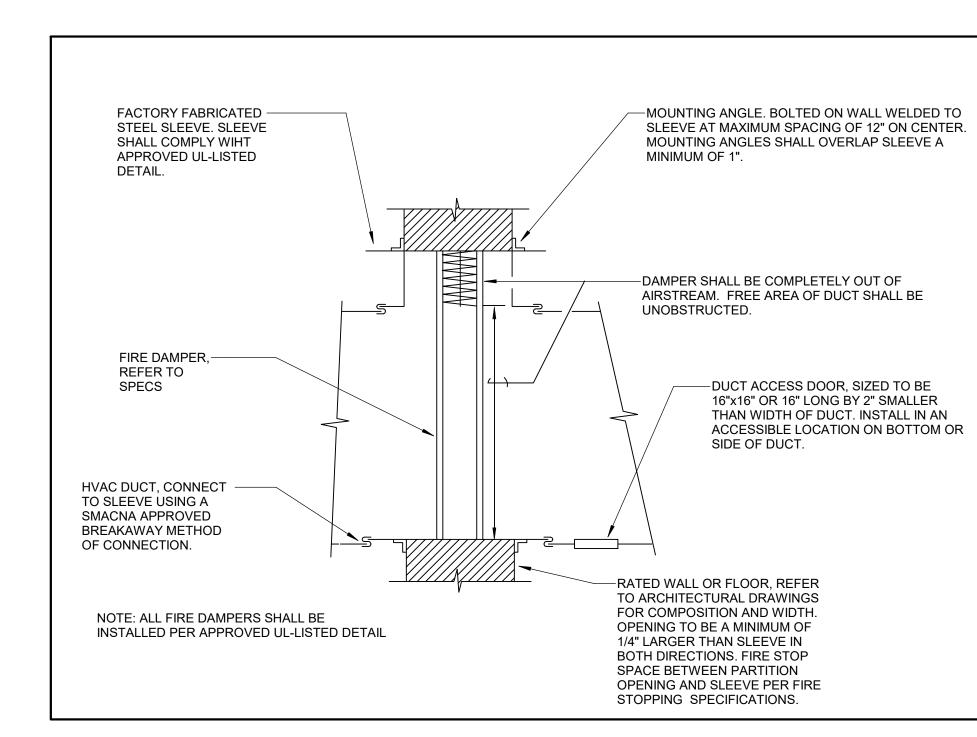
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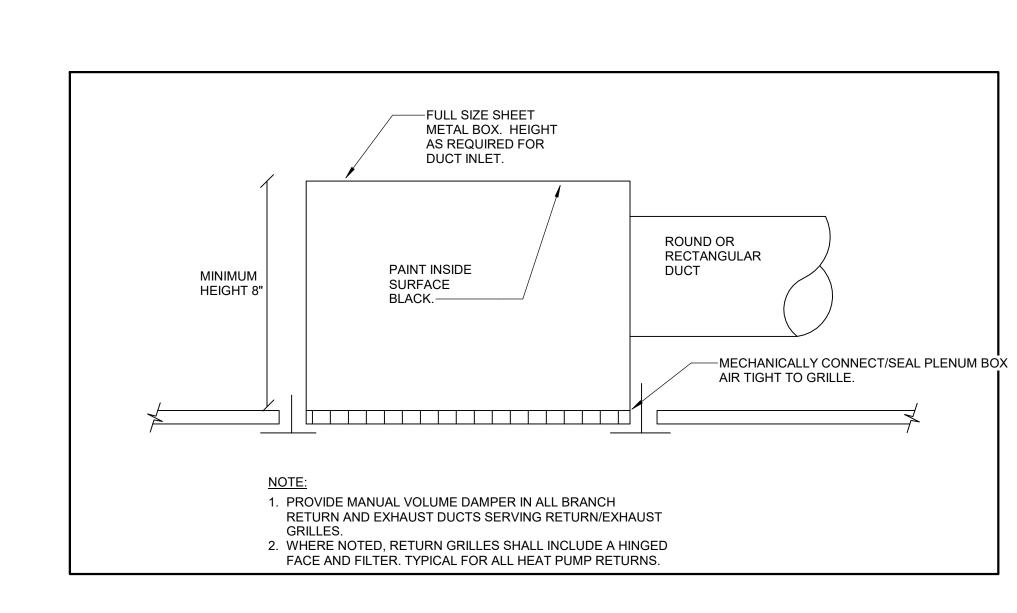


REFER TO MANUFACTURER'S

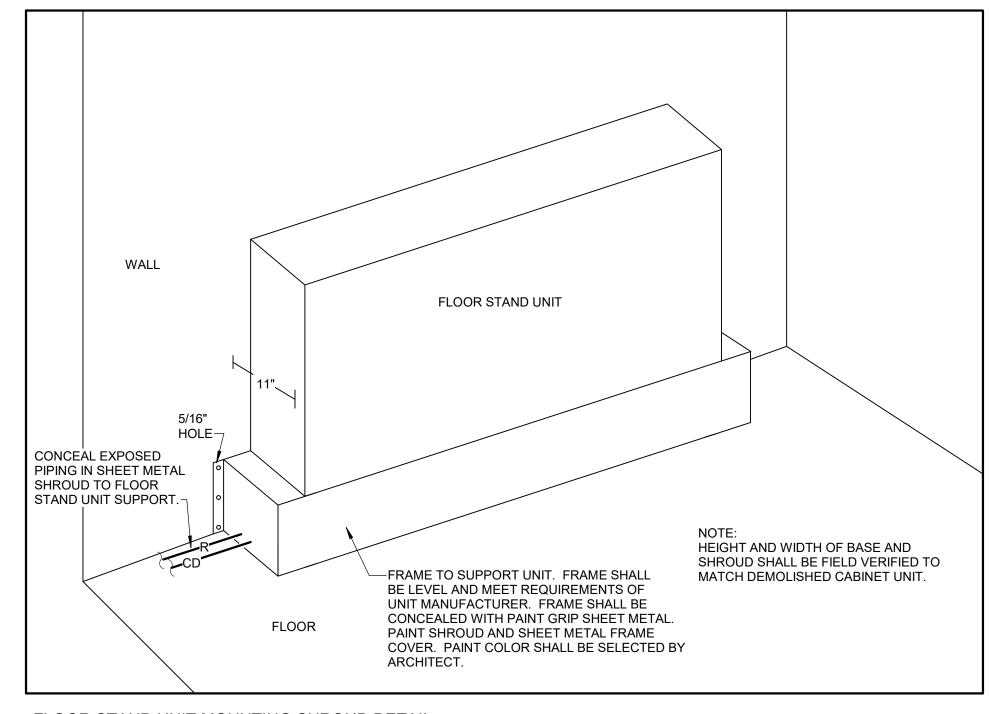
REFRIGERANT PIPING. INSULATION TO BE UNIFORM AND CONTINUOUS ALONG ENTIRE LENGTH OF REFRIGERANT PIPING AND THROUGH ALL HANGERS. TAPE BUTT JOINTS. PROVIDE INSULATION SADDLES.— REFRIGERANT PIPING INSULATION DETAIL ✓ NOT TO SCALE



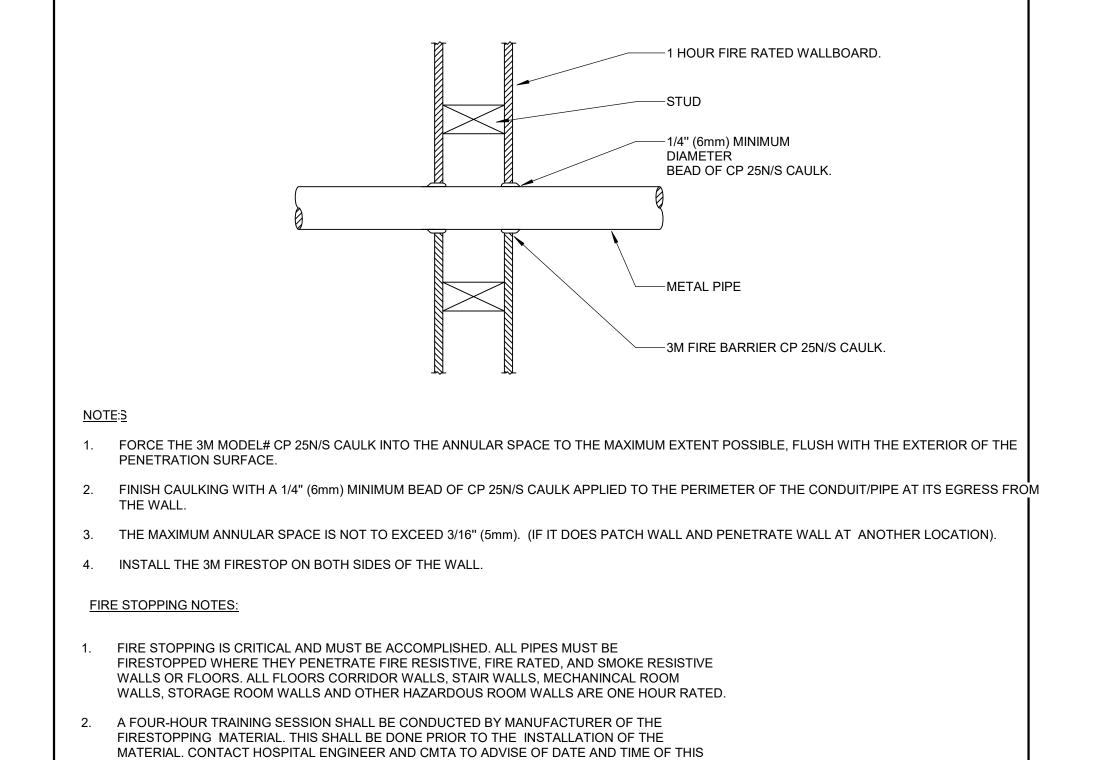
2 FIRE DAMPER DETAIL NOT TO SCALE



1 DUCTED RETURN/EXHAUST/RELIEF AIR GRILLE DETAIL NOT TO SCALE



6 FLOOR STAND UNIT MOUNTING SHROUD DETAIL NOT TO SCALE



PENETRATION FIRESTOP FOR METAL PIPE/CONDUIT THROUGH

3. ALL PENETRATIONS WILL BE REVIEWED BY THE HOSPITAL ENGINEER OR CMTA. PRIOR TO

INSPECTION, ALL CEILING TILES BENEATH THE PENETRATIONS SHALL BE REMOVED BY THE

ONE HOUR WALL
NOT TO SCALE

| I/18/2019 11:01:34 AM |
|-----------------------|
| • |

| | VARIABLE REFRIGERANT FLOW INDOOR UNIT SCHEDULE | | | | | | | | | | | | | | | | | | |
|----------------|--|------------------|------------------|----------------------------------|--------------------------------|------------------------|----------------------------------|------------------|------------|-----------------|----------|-----------------------|----------|-----------------|----------------|----------|------------|----------|------------------------------------|
| MADK | MANUFACTURE | P MODEL # | INSTANCE MARK | TYPE | TOTAL NOMINAL COOLING (MBH) | SENSIBLE COOLING (MBH) | MINIMUM NOMINAL HEATING (MBH) | AIRFLOW (CFM) | SOUND (dB) | CD PIPE SIZE | DIM | ENSIONS (IN) WIDTH HE | | WEIGHT (LBS) | VOLTAGE | ELECTRIC | | MOCP | REMARKS ~ |
| FS-18 | DAIKIN | FXLQ18 | 200-1 | FLOOR STANDING | 17.0 | 11.5 | 21.0 | 480 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 |
| FS-18 FS-18 | DAIKIN DAIKIN | FXLQ18 FXLQ18 | 200-2 BL115 | FLOOR STANDING FLOOR STANDING | 17.0 17.0 | 11.5 11.5 | 21.0 21.0 | 480 480 | 40 | 3/4" 3/4" | 10 | | 24 24 | 80 80 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,8,9 1,2,3,4,5,6,8,9 |
| WC-07 WC-18 | DAIKIN DAIKIN | FXAQ07 FXAQ18 | CM494 CM506 | WALL MOUNTED WALL MOUNTED | 7.1 15.1 | 5.9 11.7 | 8.7 21.0 | 280 480 | 35 43 | 3/4" 3/4" | 10 10 | | 12 12 | 26 31 | 208 V 208 V | 1 | 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,8 |
| FS-18 | DAIKIN | FXLQ18 | CM506-1 | FLOOR STANDING | 17.0 | 11.5 | 21.0 | 480 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 |
| FS-18 WC-07 | DAIKIN DAIKIN | FXLQ18 FXAQ07 | CM506-2 CM675 | FLOOR STANDING WALL MOUNTED | 17.0 7.1 | 11.5 5.9 | 21.0 8.7 | 480 280 | 40 31 | 3/4" 3/4" | 10 | | 24 12 | 80 26 | 208 V 208 V | 1 | 1 A 1 A | | 1,2,3,4,5,6,8,9 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CM682 CR101 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | CR102 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR103 CR104 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR105 CR106 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A | | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR107 CR108 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 | 280 280 | 35 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V 208 V | 1 | 1 A 1 A | 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | CR109 | WALL MOUNTED | 7.1 | 5.9 | 8.7 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 12 | 26 26 | 208 V | 1 | 1 A | | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR110 CR111 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR111 CR113 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 31 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| FS-18 | DAIKIN | FXLQ18 | CR116 | FLOOR STANDING | 17.0 | 11.5 | 21.0 | 480 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR201 CR202 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR203 CR204 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR205 CR206 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | 32 | 12 | 26 | 208 V 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | CR207 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | | 12 12 | 26 26 | 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR208 CR209 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR210 CR213 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 31 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| FS-18 | DAIKIN | FXLQ18 | CR216 | FLOOR STANDING | 17.0 | 11.5 | 21.0 | 480 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR301 CR302 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR303 CR304 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A | | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR305 CR306 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | CR307 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 12 | 26 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR308 CR309 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | CR310 CR313 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 31 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| FS-18 | DAIKIN | FXLQ18 | CR316 | FLOOR STANDING | 17.0 | 11.5 | 21.0 | 480 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | FR107 FR110 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR101 GR102 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR103 GR104 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" | 10 | 32 | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | GR105 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR106 GR108 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR109 GR111 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | GR115 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 31 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| FS-18 WC-07 | DAIKIN DAIKIN | FXLQ18 FXAQ07 | GR116 GR201 | FLOOR STANDING WALL MOUNTED | 17.0 7.1 | 11.5 5.9 | 21.0 8.7 | 480 280 | 40 35 | 3/4" 3/4" | 10 10 | | 24 12 | 80 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,8,9 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR202 GR203 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR204 GR205 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | GR206 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR207 GR208 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR209 GR210 | WALL MOUNTED WALL MOUNTED | 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR211 GR213 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 31 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| FS-18 | DAIKIN | FXLQ18 | GR216 | FLOOR STANDING | 17.0 | 11.5 | 21.0 | 480 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR301 GR302 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR303 GR304 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR305 GR306 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | GR307 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR308 GR309 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | GR310 GR313 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 31 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A | 15 15 | 1,2,3,4,5,6,7 |
| FS-18 WC-07 | DAIKIN DAIKIN | FXLQ18 FXAQ07 | GR316 RV001 | FLOOR STANDING WALL MOUNTED | 17.0 7.1 | 11.5 5.9 | 21.0 | 480 280 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | RV002 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV003 RV004 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV005 RV006 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 | RV007 RV008 | WALL MOUNTED WALL MOUNTED | 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" | 10 | 32 | 12 | 26 26 | 208 V 208 V | 1 | 1 A | _ | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | RV009 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV010 RV011 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV013 RV101 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | RV102 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV103 RV104 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | | 12 12 | 26 26 | 208 V 208 V | 1 | 1 A 1 A | | 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV106 RV107 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | | 1 A 1 A | | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV108 | WALL MOUNTED WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 280 | 35 | 3/4" 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | RV109 RV110 | WALL MOUNTED | 7.1 | 5.9 5.9 | 8.7 8.7 | 280 | 35 35 | 3/4" | 10 | 32 | 12 | 26 26 | 208 V 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV111 RV113 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 31 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| FS-18 WC-07 | DAIKIN DAIKIN | FXLQ18 FXAQ07 | RV116 RV201 | FLOOR STANDING WALL MOUNTED | 17.0 7.1 | 11.5 5.9 | 21.0 8.7 | 480 280 | 40 35 | 3/4" | 10 | 56 2 | 24 12 | 80 | 208 V 208 V | 1 | 1 A 1 A | 15 | 1,2,3,4,5,6,8,9 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | RV202 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV203 RV204 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 | 32 | 12 12 | 26 26 | 208 V 208 V | | 1 A 1 A | | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV205 RV206 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" 3/4" | 10 10 | | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV207 RV208 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 8.7 | 280 280 | 35 35 | 3/4" | 10 | 32 | 12 12 | 26 26 | 208 V 208 V | 1 1 | 1 A 1 A | 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN | FXAQ07 | RV209 | WALL MOUNTED | 7.1 | 5.9 | 8.7 | 280 | 35 | 3/4" | 10 | 32 | 12 | 26 | 208 V | | 1 A | 15 | 1,2,3,4,5,6,7 |
| WC-07 | DAIKIN DAIKIN | FXAQ07 FXAQ07 | RV210 RV213 | WALL MOUNTED WALL MOUNTED | 7.1 7.1 | 5.9 5.9 | 8.7 | 280 280 | 35 | 3/4" | 10 | 32 | 12 12 | 26 26 | 208 V | 1 | 1 A 1 A | 15 | 1,2,3,4,5,6,7 1,2,3,4,5,6,7 |
| FS-18 | DAIKIN RKS: | FXLQ18 | RV216 | FLOOR STANDING | 17.0 | 11.5 | 21.0 | 480 | 40 | 3/4" | 10 | 56 2 | 24 | 80 | 208 V | 1 | 1 A | 15 | 1,2,3,4,5,6,8,9 |

- COOLING PERFORMANCE IS FOR 95 °F OUTDOOR, 70 °F DB / 61 °F WB INDOOR. HEATING PERFORMACE IS FOR 6 °F OUTDOOR, 68 °F INDOOR.
- HEATING CAPACITY IS BASED ON FULLY HEATING INDOOR UNITS AND COOLING CAPACITY IS BASED ON FULLY COOLING INDOOR UNITS. CONTRACTOR SHALL COORDINATE TO ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES ARE MAINTAINED. ACCEPTABLE MANUFATURERS INCLUDE DAIKIN, PANASONIC, MITSUBISHI, TRANE, CARRIER OR LG.
- TEMPERATURE SENSOR FOR SPACE SHALL BE AT WALL SENSOR, NOT IN RETURN DUCT / PLENUM OF UNIT.
- PROVIDE INTEGRAL THERMOSTAT. PROVIDE INTEGRAL CONDENSATE PUMP.

| VARIABLE REFRIGERANT FLOW OUTDOOR UNIT SCHEDULE | | | | | | | | |
|---|--|--|----------------|-----------------|-----------|-------------------|--------|--|
| | | | MINIMUM ACTUAL | MINIMUM NOMINAL | REFRIGERA | NOMINAL SIZE (IN) | WEIGHT | |

| | INSTANCE | | | | MINIMUM ACTUAL | MINIMUM NOMINAL | REFRIGERA | NOMI | NAL SIZE | E (IN) | WEIGHT | E | ELECTRIC | CAL | | |
|------|-----------------|--------------|---------|------------------|-------------------------|-----------------|-----------|--------|----------|--------|--------|---------|----------|------|------|---------------|
| MARK | MARK | MANUFACTURER | MODEL# | TYPE | INSTALLED COOLING (MBH) | HEATING (MBH) | NT (LBS) | LENGTH | WIDTH | HEIGHT | (LBS) | VOLTAGE | PHASE | MCA | MOCP | REMARKS |
| HP | COM | DAIKIN | RXYQ96 | HEAT PUMP | 85.2 | 92.6 | 22.7 | 30 | 49 | 67 | 525.00 | 480 V | 3 | 21 A | 25 | 1,2,3,4,5,6,7 |
| HP | D1 | DAIKIN | REYQ144 | HEAT RECOVERY | 64.6 | 133.2 | 25.8 | 30 | 49 | 67 | 780.00 | 480 V | 3 | 32 A | 40 | 1,2,3,4,5,6,7 |
| HP | D2 | DAIKIN | REYQ96 | HEAT RECOVERY | 42.7 | 96.0 | 25.8 | 30 | 49 | 67 | 705.00 | 480 V | 3 | 21 A | 25 | 1,2,3,4,5,6,7 |
| HP | D3 | DAIKIN | REYQ96 | HEAT RECOVERY | 42.7 | 96.0 | 25.8 | 30 | 49 | 67 | 705.00 | 480 V | 3 | 21 A | 25 | 1,2,3,4,5,6,7 |
| HP | E1 | DAIKIN | REYQ96 | HEAT RECOVERY | 42.7 | 96.0 | 25.8 | 30 | 49 | 67 | 705.00 | 480 V | 3 | 21 A | 25 | 1,2,3,4,5,6,7 |
| HP | E2 | DAIKIN | REYQ96 | HEAT RECOVERY | 42.7 | 96.0 | 25.8 | 30 | 49 | 67 | 705.00 | 480 V | 3 | 21 A | 25 | 1,2,3,4,5,6,7 |
| HP | E3 | DAIKIN | REYQ144 | HEAT RECOVERY | 64.6 | 133.2 | 25.8 | 30 | 49 | 67 | 780.00 | 480 V | 3 | 32 A | 40 | 1,2,3,4,5,6,7 |
| HP | F1 | DAIKIN | REYQ144 | HEAT RECOVERY | 64.6 | 133.2 | 25.8 | 30 | 49 | 67 | 780.00 | 480 V | 3 | 32 A | 40 | 1,2,3,4,5,6,7 |
| HP | F2 | DAIKIN | REYQ96 | HEAT RECOVERY | 42.7 | 96.0 | 25.8 | 30 | 49 | 67 | 705.00 | 480 V | 3 | 21 A | 25 | 1,2,3,4,5,6,7 |
| HP | F3 | DAIKIN | REYQ96 | HEAT RECOVERY | 42.7 | 96.0 | 25.8 | 30 | 49 | 67 | 705.00 | 480 V | 3 | 21 A | 25 | 1,2,3,4,5,6,7 |

REMARKS:

- COOLING PERFORMANCE IS FOR 95 °F OUTDOOR, 70 °F DB / 61 °F WB INDOOR.
- HEATING PERFORMANCE IS FOR 6 °F OUTDOOR, 68 °F INDOOR. HEATING CAPACITY IS BASED ON FULLY HEATING INDOOR UNITS AND COOLING CAPACITY IS BASED ON FULLY COOLING INDOOR UNITS.
- CONTRACTOR SHALL COORDINATE TO ENSURE MANUFACTURER'S REOMMENDED SERVICE CLEARANCES ARE MAITAINED. ACCEPTABLE MANUFACTURERS INCLUDE DAIKIN, PANASONIC, MITSUBISHI, TRANE, CARRIER OR LG. PROVIDE WIND BAFFLES FOR LOW AMBIENT COOLING.

PROVIDE HAIL GUARDS.

| | VARIA | BLE REF | RIGE | RAN ⁻ | Г СС | NTR | OLLI | ER UN | IIT S | СН | EDI | JLE |
|-------|----------|--------------|---------|------------------|--------|--------|--------|---------|---------|-----|------|---------|
| | INSTANCE | | | DIME | NSIONS | (IN.) | WEIGHT | E | LECTRIC | CAL | | |
| MARK | MARK | MANUFACTURER | MODEL# | LENGTH | WIDTH | HEIGHT | (LBS) | VOLTAGE | PHASE | MCA | MOCP | REMARKS |
| RC-8 | F1-2 | DAIKIN | BS8Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | F1-1 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-12 | F2 | DAIKIN | BS12Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | F3-1 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | F3-2 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-8 | D1-2 | DAIKIN | BS8Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | D1-1 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-12 | D2 | DAIKIN | BS12Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | D3-1 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | D3-2 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-8 | E3-2 | DAIKIN | BS8Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | E3-1 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-12 | E-2 | DAIKIN | BS12Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | E1-1 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |
| RC-6 | E1-2 | DAIKIN | BS6Q54 | 19 | 34 | 12 | 115.00 | 208 V | 1 | 1 A | 15 | 1,2,3,4 |

PROVIDE SINGLE POINT CONNECTION. REFER TO PIPING SCHEMATICS FOR ADDITIONAL INFORMATION.

CONTRACTOR SHALL COORDINATE TO ENSURE MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES ARE MAITAINED. ACCEPTABLE MAUFACTURERS INCLUDE DAIKIN, PANASONIC, MITSUBISHI, TRANE, CARRIER OR LG.

| Y | Y Y | γ | γ | Y | Y | Y | Y Y | γ | Y | Υ | Y | Y |
|--------|---------------|----------------|------------|----------|-------------|------------|-----------------|-----|------|----------------|---------------|---------|
| | | REC | SISTE | RS, GF | RILLES | , AND [| DIFFUSER | S | | | | |
| MODEL# | | TYPE | | | GRILLE SIZE | PANEL SIZE | DUCT INLET SIZE | CFM | P.D. | NOISE CRITERIA | THROW PATTERN | REMA |
| 350FL | ALUMINUN | M DOUBLE DEFL | ECTION GR | RILLE | 6X6 | 6X6 | - | 100 | 0.05 | 20 | - | 1,2,3,4 |
| 350FL | ALUMINUN | M DOUBLE DEFL | ECTION GR | RILLE | 12X12 | 12X12 | - | 450 | 0.05 | 20 | = | 1,2,3,4 |
| 300FL | ALUMINUM DOUE | BLE DEFLECTION | N SIDEWALL | DIFFUSER | 6X6 | 6X6 | - | 225 | 0.05 | 20 | - | 1,2,3,4 |
| 300FL | ALUMINUM DOUE | BLE DEFLECTION | N SIDEWALL | DIFFUSER | 26X6 | 26X6 | - | 300 | 0.05 | 20 | = | 1,2,3,4 |

REMARKS:

MARK MANUFACTURER MODEL#

TITUS

TITUS

- COLOR SHALL BE SELECTED BY ARCHITECT. COORDINATE MOUNTING TYPE (LAY-IN, GYP BOARD, ETC.) WITH ARCHITECTURAL DRAWINGS.
- ACCEPTABLE MAUFACTURERS INCLUDE METALAIRE, KRUEGER, BAILEY, PRICE, OR APPROVED EQUAL. 4. PROVIDE OPTIONAL AIR ADJUSTER FLAPS / AIR PATTER DEFLECTORS.

| | | | | | NEDO | \ DE(| 201/5 | | · | TOD 0 | | – | | | | | | |
|------|----------|-----------------|--------|---------|---------|---------|-----------|---------|----------|----------|--------------|-------------|--------|---------|--------|--------|------|-----------|
| | | | | E | NERG | YKE | COVE | RY VE | :NIILA | TORS | CHED | ULE | | | | | | |
| | | | | SUPPLY | EXHAUST | SUPPL | Y AIR CON | DITIOND | ENERGY F | RECOVERY | FAN S | TATIC | | ELE | CTRICA | L DATA | | |
| | INSTANCE | | | AIRFLOW | AIRFLOW | SUMMER | 1 | WINTER | COOLING | HEATING | OA FAN | EA FAN | WEIGHT | | OA FA | - | | |
| MARK | MARK | MANUFACTURER | MODEL# | (CFM) | (CFM) | DB (°F) | WB (°F) | DB (°F) | (MBH) | (MBH) | E.S.P. (IN.) | E.S.P (IN.) | (LBS) | VOLTAGE | PHASE | MCA | MOCP | REMARKS |
| ERU | D1 | UNITED COOL AIR | AAH100 | 480 | 480 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | D2 | UNITED COOL AIR | AAH100 | 490 | 420 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | D3 | UNITED COOL AIR | AAH100 | 420 | 405 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | E1 | UNITED COOL AIR | AAH100 | 480 | 480 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | E2 | UNITED COOL AIR | AAH100 | 490 | 420 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | E3 | UNITED COOL AIR | AAH100 | 420 | 405 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | F1 | UNITED COOL AIR | AAH100 | 480 | 480 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | F2 | UNITED COOL AIR | AAH100 | 490 | 420 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |
| ERU | F3 | UNITED COOL AIR | AAH100 | 420 | 405 | 73 | 60 | 73 | 37.1 | 42.0 | 1.00 | 1.00 | 750 | 208 V | 1 | 10 A | 15 | 1,2,3,4,5 |

REMARKS:

- PROVIDE WITH INTEGRAL SUPPORT RAILS AND HANGING BRACKETS. ENTIRE UNIT SHALL BE DOUBLE WALL CONSTRUCTION.
- ENTERING OUTSIDE AIR TEMPERATURE IN WINTER IS 18 °F AND IN SUMMER IS 84 °F. PROVIDE CONTROLS HARDWARE FOR REMOTE INTEGRATION OF START/STOP STATUS TO MAIN DDC CENTRAL STATION. PROVIDE WITH COMPRESSOR BLANKET.
- ACCEPTABLE MANUFACTURERS INCLUDE LG, CARRIER AND TRANE.

| | | | L | OUVE | R SCH | EDULE | | | |
|------|--------------------|---------|------|-------------|-------------|-----------|-------------------|---------------|---------|
| MARK | MODEL# | SERVICE | CFM | LENGTH (IN) | HEIGHT (IN) | FREE AREA | VELOCITY (FPM) | APD (IN. WG.) | REMARKS |
| L-1 | RUSKIN ELF375DX | INTAKE | 1500 | 36 | 60 | 2 | 750 FPM | 0.05 | 1,2,3,4 |
| L-2 | RUSKIN ELF375DX | EXHAUST | 1500 | 18 | 36 | 2 | 750 FPM | 0.05 | 1,2,3,4 |

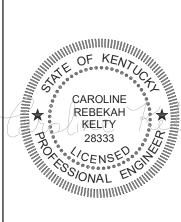
REMARKS:

- COLOR SHALL BE SELECTED BY ARCHITECT. PROVIDE WITH BIRDSCREEN.
- ACCEPTABLE MANUFACTURER'S INCLUDE RUSKIN, AIR BALANCE, PENN, GREENHECK, OR APPROVED EQUAL. PROVIDE WITH KYNAR FINISH.

| | | El | LECTRI | C HEA | TER | SCH | IEDUI | _E | | | |
|-------|----------|--------------|-------------|--------------------|--------|---------|--------|-----|----------|---------|-----------|
| | INSTANCE | | | | DIM | ENSIONS | (IN) | | ELECTRIC | AL DATA | |
| MARK | MARK | MANUFACTURER | MODEL# | TYPE | HEIGHT | WIDTH | LENGTH | KW | VOLTAGE | PHASE | REMARKS |
| EWH-1 | BL1 | MARKEL | 3320 SERIES | SURFACE MOUNTED | 20 | 14 | 4 | 3 W | 208 V | 1 | 1,2,3,4,5 |
| EWH-1 | BL2 | MARKEL | 3320 SERIES | SURFACE MOUNTED | 20 | 14 | 4 | 3 W | 208 V | 1 | 1,2,3,4,5 |
| EWH-1 | CR100 | MARKEL | 3320 SERIES | SURFACE MOUNTED | 20 | 14 | 4 | 3 W | 208 V | 1 | 1,2,3,4,5 |
| EWH-1 | CR118 | MARKEL | 3320 SERIES | SURFACE MOUNTED | 20 | 14 | 4 | 3 W | 208 V | 1 | 1,2,3,4,5 |
| EWH-1 | GR100 | MARKEL | 3320 SERIES | SURFACE MOUNTED | 20 | 14 | 4 | 3 W | 208 V | 1 | 1,2,3,4,5 |
| EWH-1 | GR118 | MARKEL | 3320 SERIES | SURFACE | 20 | 14 | 4 | 3 W | 208 V | 1 | 1,2,3,4,5 |

REMARKS:

- COLORS SHALL BE SELECTED BY ARCHITECT.
- PROVIDE WITH THERMAL OVERLOAD PROTECTION. PROVIDE INTEGRAL CONCEALED THERMOSTAT.
- PROVIDE INTEGRAL DISCONNECT SWITCH. ACCEPTABLE MANUFACTURERS INCLUDE MARKEL, REZNOR, Q-MARK OR APPROVED EQUAL.



UNIVERSITY

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MECHANICAL SCHEDULES

1/14/19

M600

COMM NO. 2017066.01

ELECTRICAL GENERAL NOTES:

- EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.
- WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES. INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC. CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY THE
- CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL ALL OFFSETS. TURNS. FITTINGS. TRIM. DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S
- INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW
- FREEZING OR THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEER. ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.

OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER

- WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
- THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.). MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UNO. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE
- INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT
- DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION. DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY. THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A
- COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE. ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER
- WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS
- WITH ARCHITECT. WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING
- MANUFACTURER AND ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE,
- TELEVISION, DATA, ETC.). COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING TILE AND INSTALLED CENTERED ON 2' DIMENSION OF 2'X4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4' DIMENSION. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTORS'
- SHALL BE THAT OF THE ENGINEER. CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE. PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY

EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY

- DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO
- ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER. THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION, REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS,
- WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS. CC. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING
- INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S). DD. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S
- LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
- EE. ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUS INSOFAR AS POSSIBLE FROM TERMINAL
- NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES,
- WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. HH. ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS

REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE

- WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING
- REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR
- KK. FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
- AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
- MM. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH NN. ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO
- BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY OO. INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO

THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES

- REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE. WHERE BACKBOXES ARE LOCATED IN THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES
- OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM. JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE
- WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
- DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR. NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR
- UU. ALL ITEMS HAVING KEYED LOCKS/OPERATORS SHALL HAVE CORED LOCKS/OPERATORS. ALL KEYING
- SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION. REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY

SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.

ELECTRICAL DEMOLITION NOTES:

- DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND
- CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES
- ARE BEING REMOVED OR INSTALLED. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW
- LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC UNUSED BREAKERS SHALL BE IN OFF POSITION.

LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW

HAZARDOUS MATERIALS NOTE:

THE CONTRACTOR IS HEREBY ADVISED THAT IT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC. WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN ME ASCERTAINED TO BE NON-HAZARDOUS. CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. NKU WILL ATTEMPT TO HAVE A REPORT IDENTIFYING THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS, OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM/HER IMMEDIATELY. THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, IT'S PRINCIPALS, EMPLOYEES, AGENTS, OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, IT'S PRINCIPALS, EMPLOYEES, AGENTS, OR CONSULTANT HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS, OR ANY OTHER THIRD PARTY.

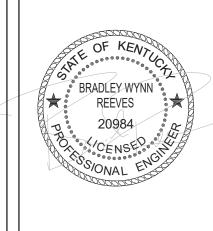
| DESCRIPTION | MOUNTING HEIGHT (TO CENTER OF BOX) | DRAWING | DESCRIPTION | MOUNTING HEIGHT (TO CENTER OF |
|---|---|---------------------------------|---|-------------------------------------|
| LIGHTING CONTROL SWITCHES | |] | LIGHTING | |
| LIGHT SWITCH: LOW VOLTAGE | 4'-0" | \$ | REFER TO LUMINAIRE SCHEDULE FOR EXACT | |
| OCCUPANCY OR VACANCY SENSOR SWITCH DIMMING | 4'-0" | _D \$os | FIXTURE SPECIFICATIONS, MOUNTING HEIGHTS, ETC. | |
| OCCUPANCY OR VACANCY SENSOR, CEILING MOUNT | CLG | (OS) | SURFACE OR SUSPENDED CEILING FIXTURE (SLASH INDICATES RECESSED) | |
| EMERGENCY AUTOMATIC TRANSFER SWITCH FOR LIGHTING CONTROLS (REFER TO DETAIL) | CLG | ER | POLE MOUNTED AREA LIGHT | |
| POWER OUTLETS | | 1 | EMERGENCY BATTERY WALL-PACK | |
| CIMPLEY DECEDTAGLE | 41.0" | 1 | WALL MOUNT FIXTURE | |
| SIMPLEX RECEPTACLE | 1'-6" | | EXIT LIGHT (CEILING, END, WALL MOUNT) | |
| DUPLEX RECEPTACLE-SAFETY TYPE, TAMPER-RESISTANT | | ⇒ s | STRIP FIXTURE | |
| DUPLEX RECEPTACLE SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE | 1'-6" | ⊕ Ø , ₩ | MISCELLANEOUS | 1 |
| BACKSPLASH FILLED CENTER BAR INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI) DUPLEX RECEPTACLE, CEILING MOUNTED | 1'-6" CLG | ⊕ - | CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE: ARROW(S) INDICATE(S) HOME RUN & # OF CIRCUITS: HASHMARKS INDICATE # OF CONDUCTORS. DASHED LINE INDICATES CONDUIT BELOW FLOOR. | |
| QUADRUPLEX RECEPTACLE | 1'-6" | J ♥ | DISCONNECT SWITCH | 5'-0" |
| JUNCTION BOX, CEILING OR WALL VOLTAGE/1PH RECEPTACLE, AS NOTED | AS NOTED | Ū,₩ = | PANELBOARD, SURFACE OR FLUSH MOUNTED, | 6'-6" TO |
| FIRE ALARM | AS NOTED | 1 | HATCHING INDICATES EMERGENCY | |
| | OLOU TO | | TRANSFORMER | AS NOTE |
| MAIN CONTROL PANEL CENTRAL PROCESSING UNIT (CPU) | 6'-6" TO TOP | FACP | EQUIPMENT TAG, REFER TO EQUIPMENT SCHEDULE | |
| PULL STATION : DOUBLE ACTION | 48" TO LEVER | F | TAGGED NOTE | |
| AUDIO/VISUAL NOTIFICATION APPLIANCE | WALL, CLG | FIF | REVISION TAG | |
| VISUAL-ONLY NOTIFICATION APPLIANCE | WALL, CLG | | MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES) | |
| DUCT SMOKE DETECTOR | ABV CLG | DD , | LADDER CABLE TRAY, SIZE AS NOTED | AS SHOW |
| | | ا ت | DOORBELL PUSHBUTTON STATION, PROVIDE COMPLETE WITH TRANSFORMER (MOUNT ABOVE CEILING IN CORRIDOR NEAR PUSH-BUTTON) AND ALL ACCESSORIES, POWER FROM NEAREST AVAILABLE 120V NORMAL POWER GENERAL RECEPTACLE CIRCUIT, NUTONE OR EQUAL | 4'-0" |
| | | | EQUIPMENT HARDWIRE CONNECTION (SEE DETAIL) | |
| | | | MOTOR CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE | |

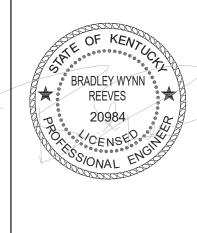
CONDUIT UP

CONDUIT DOWN

GROUND BUS BAR ON INSULATED STANDOFFS

| MOUNTIN HEIGHT (CENTER BOX) | DRAWIN SYMBOL | DESCRIPTION | MOUNTI HEIGHT CENTER BOX) |
|---------------------------------------|---------------------------------|--|------------------------------------|
| | | ABBREVIATIONS | |
| | | UNLESS OTHERWISE NOTED | |
| | | OWNER FURNISHED CONTRACTOR INSTALLED | |
| | <u>⊕,</u> O, | OWNER FURNISHED OWNER INSTALLED | |
| | | CONTRACTOR FURNISHED CONTRACTOR INSTALLED | |
| | \ | CONTRACTOR FURNISHED OWNER INSTALLED | |
| | 2 | INDICATES EMERGENCY POWER | |
| | Ф ,Ю | SPECIAL OUTLETS | |
| | € , € , \$ | POKE THOUGH FLOOR BOX, COORDINATE EXACT COVER REQUIREMENTS WITH ARCHITECTURAL FINISHES, DEVICES AS SCHEDULED | FLOOR |
| | GROUND | AUDIO/VISUAL SYSTEM OUTLET WITH DUPLEX RECEPTACLE, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION | 1'-6" |
| | NEUTRAL PHASE | COMBINATION POWER AND DATA OUTLET LOCATION, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION | 1'-6" |
| | · / \ | COMBINATION POWER AND A/V OUTLET LOCATION, GFCI DUPLEX RECEPTACLE. PROVIDE WIREMOLD | 72" |
| 5'-0" | | EVOLUTION EHWB4-WH OR EQUAL. | |
| 6'-6" TO TOP | | POWER POLE AS NOTED | |
| AS NOTED | | | |
| | EQUIP-1 | | |
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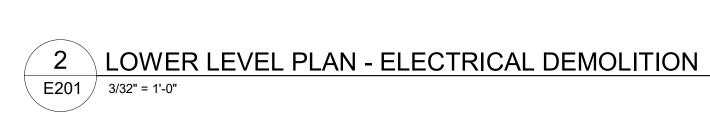
LEGEND

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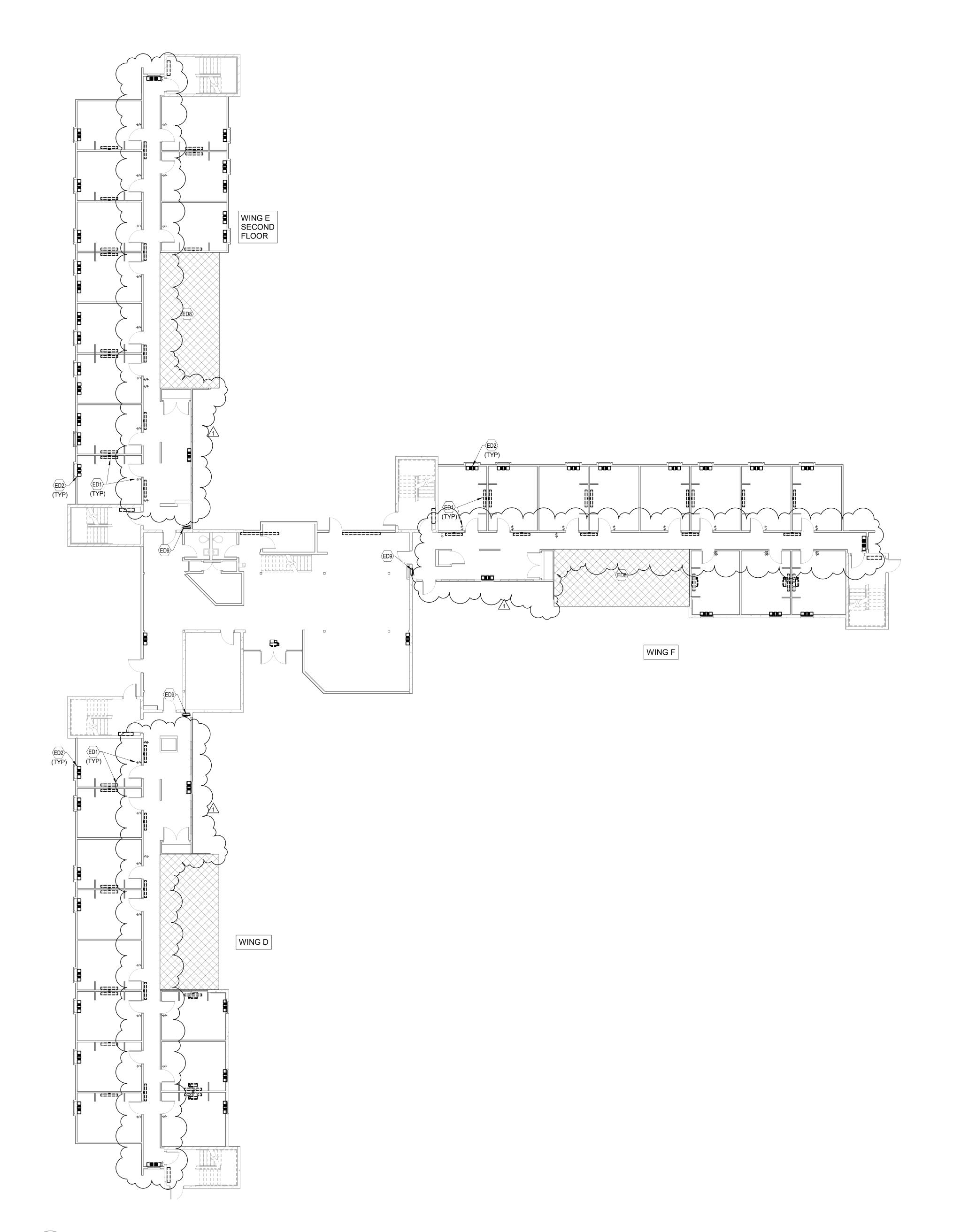
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E100

0'-1" REFERENCE LI



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ELECTRICAL DEMOLITION NOTES

 DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN. EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURÉ THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

 LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS THE BID WHICH HE PROPOSES.

SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND

REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS). COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED) FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO

OWNER AT THEIR OPTION. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION

BARRIERS AS REQUIRED. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR

• UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC

REQUIREMENTS. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND

 CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

EQUIPMENT SHOWN ON PLANS.

• DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.

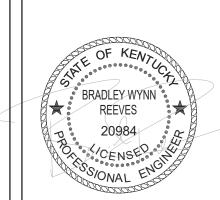
 ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

 CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.

TAGGED NOTES

ED1 DEMOLISH EXISTING LIGHT FIXTURE AND SWITCH. SURVEY AND FIELD VERIFY SOURCE AND REMOVE ELECTRICAL BACK TO SOURCE. ED2 DEMOLISH ALL ELECTRICAL ASSOCIATED WITH DEMOLISHED HVAC UNIT BACK TO SOURCE. ALL DOWNSTREAM LOADS SHALL REMAIN IN SERVICE. ED8 DEMOLISH ALL EXISTING LIGHTING FIXTURES AND DEVICES IN RESTROOM. ED9 EXISTING PANELBOARD GENERAL ELECTRIC NLAB TO REMAIN. PANEL IS 100A, 120V/208, 3 PHASE, 4 WIRE.

CONTRACTOR NOTE: THE POTENTIAL TO ENCOUNTER CONDUIT/WIRING UNDERSLAB DURING DEMOLITION/WORK EXISTS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR/MAINTAIN ELECTRICAL AS NEEDED.





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FIRST FLOOR PLAN -ELECTRICAL **DEMOLITION**

1/14/19

COMM NO. 2017066.01

ELECTRICAL DEMOLITION NOTES

 DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN. EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

 LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR

THE BID WHICH HE PROPOSES. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES

FINISHES - SEE ARCHITECTURÀL PLANS). COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED) FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.

ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW

 COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS

ASSOCIATED WITH THEIR EQUIPMENT. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS /

INSTALLED. • UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC

CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR

REQUIREMENTS. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.

 CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

• DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

 CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.

TAGGED NOTES

ED1 DEMOLISH EXISTING LIGHT FIXTURE AND SWITCH. SURVEY AND FIELD VERIFY SOURCE AND REMOVE ELECTRICAL BACK TO SOURCE. ED2 DEMOLISH ALL ELECTRICAL ASSOCIATED WITH DEMOLISHED HVAC UNIT BACK TO SOURCE. ALL DOWNSTREAM LOADS SHALL REMAIN IN SERVICE. ED8 DEMOLISH ALL EXISTING LIGHTING FIXTURES AND DEVICES IN RESTROOM. ED9 EXISTING PANELBOARD GENERAL ELECTRIC NLAB TO REMAIN. PANEL IS 100A, 120V/208, 3 PHASE, 4 WIRE.

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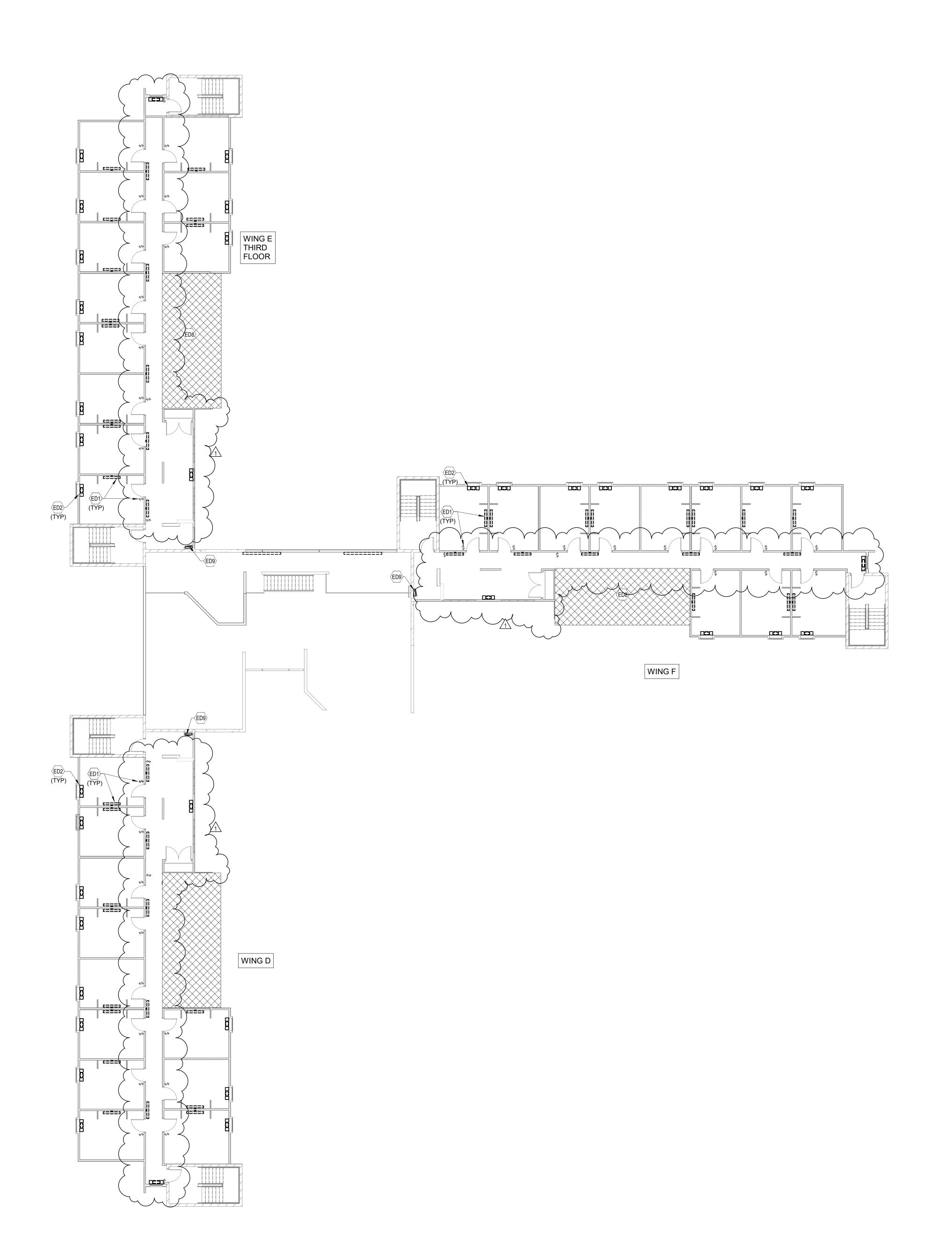
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ISSUANCES

1 01-14-19 SCOPE REDUCTION

SECOND FLOOR PLAN -ELECTRICAL **DEMOLITION**

COMM NO. 2017066.01



ELECTRICAL DEMOLITION NOTES

 DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN. EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS: THE CONTRACTOR SHALL ENSURÉ THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE- DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.

 LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.

 REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW

FINISHES - SEE ARCHITECTURAL PLANS). COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED) FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO

OWNER AT THEIR OPTION. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS

ASSOCIATED WITH THEIR EQUIPMENT. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.

CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS /

CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED. • UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC

REQUIREMENTS. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.

 CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

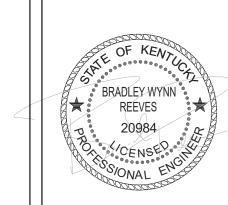
• DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

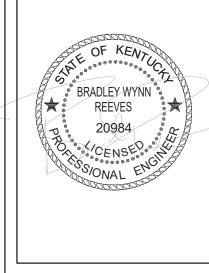
 CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.

TAGGED NOTES

VERIFY SOURCE AND REMOVE ELECTRICAL BACK TO SOURCE. ED2 DEMOLISH ALL ELECTRICAL ASSOCIATED WITH DEMOLISHED HVAC UNIT BACK TO SOURCE. ALL DOWNSTREAM LOADS SHALL REMAIN IN SERVICE. ED8 DEMOLISH ALL EXISTING LIGHTING FIXTURES AND DEVICES IN RESTROOM.

ED9 EXISTING PANELBOARD GENERAL ELECTRIC NLAB TO REMAIN. PANEL IS 100A, 120V/208, 3 PHASE, 4 WIRE.





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THIRD FLOOR PLAN -ELECTRICAL **DEMOLITION**

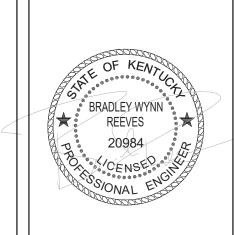
COMM NO. 2017066.01

FIRST FLOOR PLAN - LIGHTING

E301 3/32" = 1'-0"

2 LOWER LEVEL PLAN - LIGHTING

E301 3/32" = 1'-0"



GENERAL NOTES (LIGHTING):

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FIRST FLOOR PLAN -LIGHTING

DATE 1/14/19

COMM NO. 2017066.01

WING E

THIRD

FLOOR

WING D

PANEL-E3 \ L4 \

ELEC - LUMINAIRE SCHEDULE

| TYPE | DESCRIPTION | BASIS OF DESIGN | EQUAL MANUFACTURERS | MOUNTING | MAXIMUM WATTAGE | VOLTAGE | REMARKS |
|------|--|----------------------------------|------------------------|----------|--------------------|---------|---------|
| L1 | 4'-0" LED WALL MOUNTED BRACKET WITH COLD ROLLED STEEL HOUSING, DIE CAST END CAPS, CRESENT SHAPED IMPACT MODIFIED LINEAR FACETED ACRYLIC DIFFUSER, HIGH EFFICIENCY INTEGRAL LED DRIVER, 4000 DELIVERED LUMENS FROM LED ARRAY, L80 OF 50,000 HOURS, AND FIVE YEAR LIMITED WARRANTY. | LITHONIA WL4 40L LP835 | WILLIAMS, PHILIPS | WALL | 59 | 277 | |
| L1E | 4'-0" LED WALL MOUNTED BRACKET WITH COLD ROLLED STEEL HOUSING, DIE CAST END CAPS, CRESENT SHAPED IMPACT MODIFIED LINEAR FACETED ACRYLIC DIFFUSER, HIGH EFFICIENCY INTEGRAL LED DRIVER, 4000 DELIVERED LUMENS FROM LED ARRAY, L80 OF 50,000 HOURS, AND FIVE YEAR LIMITED WARRANTY. WITH INTEGRAL BATTERY PACK AND EMERGENCY OPTION. | LITHONIA WL4 40L LP835 EL14L | WILLIAMS, PHILIPS | WALL | 59 | 277 | |
| L2 | 4'-0" LED SURFACE MOUNTED BRACKET WITH COLD ROLLED STEEL HOUSING, DIE CAST END CAPS, CRESENT SHAPED IMPACT MODIFIED LINEAR FACETED ACRYLIC DIFFUSER, HIGH EFFICIENCY INTEGRAL LED DRIVER, 4000 DELIVERED LUMENS FROM LED ARRAY, L80 OF 50,000 HOURS, AND FIVE YEAR LIMITED WARRANTY. | LITHONIA WL4 40L LP835 | WILLIAMS, PHILIPS | CEILING | 59 | 120 | |
| L3 | 2'-0" LED WALL MOUNTED BRACKET WITH COLD ROLLED STEEL HOUSING, DIE CAST END CAPS, CRESENT SHAPED IMPACT MODIFIED LINEAR FACETED ACRYLIC DIFFUSER, HIGH EFFICIENCY INTEGRAL LED DRIVER, 2200 DELIVERED LUMENS FROM LED ARRAY, L80 OF 50,000 HOURS, AND FIVE YEAR LIMITED WARRANTY. | LITHONIA WL2 22L LP835 | WILLIAMS, PHILIPS | WALL | 59 | 277 | |
| L4 | RECESSED 6" LED SHOWER LIGHT WITH 1000 LUMEN OUTPUT SELF-FLANGED WHITE LOWER REFLECTOR, WHITE TRIM RING, HIGHLY TRANSMISSIVE LENS, 45° CUT-OFF TO SOURCE AND SOURCE IMAGE FOR A SMOOTH TRANSITION FROM TOP OF THE REFLECTOR TO BOTTOM, GALVENIZED STEEL MOUNTING FRAME, ADJUSTABLE 16-GAUGE GALVANIZED STEEL MOUNTING BARS WITH CONTINUOUS 4" VERTICAL ADJUSTMENT FROM BELOW CEILING, GALVANIZED STEEL JUNCTION BOX WITH HINGED ACCESS COVERS, SOLID STATE LED LIGHT ENGINE AVAILABLE IN 3500° OR 4100°K COLOR TEMPERATURES, CLASS P, THERMALLY PROTECTED SOLID-STATE 0-10V DIMMING DRIVER, RATED SYSTEM LIFE OF 50,000 HOURS AT 70% OUTPUT, MAXIMUM 40 DEGREE CELCIUS OPERATING TEMPERATURE, FIXTURES ARE WET LOCATION LISTED, AND 3-YEAR LIMITED WARRANTY. | GOTHAM EVO 35K 10 6 DFR 277 | WILLIAMS, PHILIPS | CEILING | 37 | 277 | |
| L5 | 2'-0" LED SURFACE MOUNTED BRACKET WITH COLD ROLLED STEEL HOUSING, TRANSLUCENT WHITE DIFFUSER, HIGH EFFICIENCY INTEGRAL LED DRIVER, 1937 DELIVERED LUMENS FROM LED ARRAY, L80 OF 50,000 HOURS, AND FIVE YEAR LIMITED WARRANTY. | LITHONIA SBL2 LP835 | WILLIAMS, PHILIPS | CEILING | 59 | 277 | |
| L6 | 4'-0" LED SURFACE MOUNTED, INTEGRAL LED DRIVER, 4000 DELIVERED LUMENS, 3500K. | AXIS BSLED 1000 80 35 4 W UNV DP | WILLIAMS, PHILIPS | CEILING | 59 | 120 | |

GENERAL NOTES (LIGHTING):

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH
- CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES. SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES. ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW. WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE
- PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE. LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- H. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY. RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR
- CONSTRUCTION. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

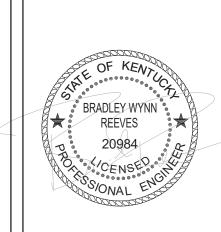
TAGGED NOTES

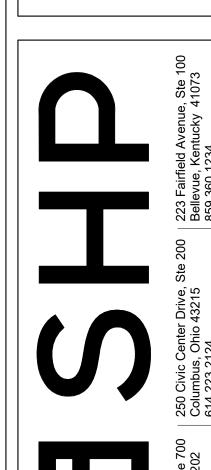
1 REFER TO ENLARGED PLAN FOR LIGHTING IN THIS AREA. L2 PROVIDE NEW LIGHT SWITCH IN EXISTING SWITCH BOX AND PROVIDE NEW

DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF

STAINLESS STEEL COVER PLATE. L3 PROVIDE NEW LIGHT FIXTURE IN CEILING. COORDINATE LOCATION WITH EXISTING SMOKE DETECTOR AND SPRINKLER HEAD. FIXTURE SHALL BE 12" MINIMUM FROM SPRINKLER. PROVIDE CIRCUIT ABOVE CEILING BY FISHING, ETC. AS NECESSARY. WHERE WIREMOLD IS EXISTING, EXTEND WIREMOLD ACROSS CEILING TO NEW LIGHT FIXTURE. WIREMOLD SHALL BE METAL, PAINTABLE TYPE.

L4 PROVIDE 2#12, 1#12 GROUND IN 3/4" CONDUIT. PROVIDE NEW 20A/1P BREAKER IN PANEL.





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| ISSUANCES | | | | | | |
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SECOND FLOOR PLAN -LIGHTING

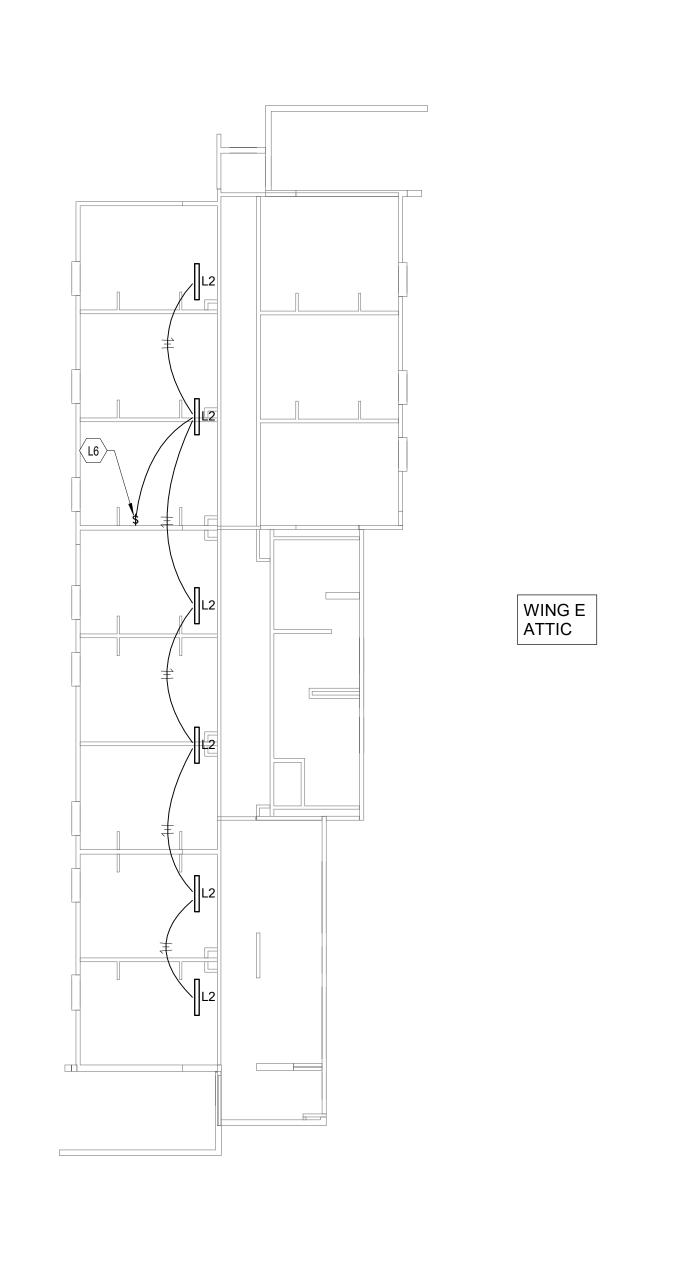
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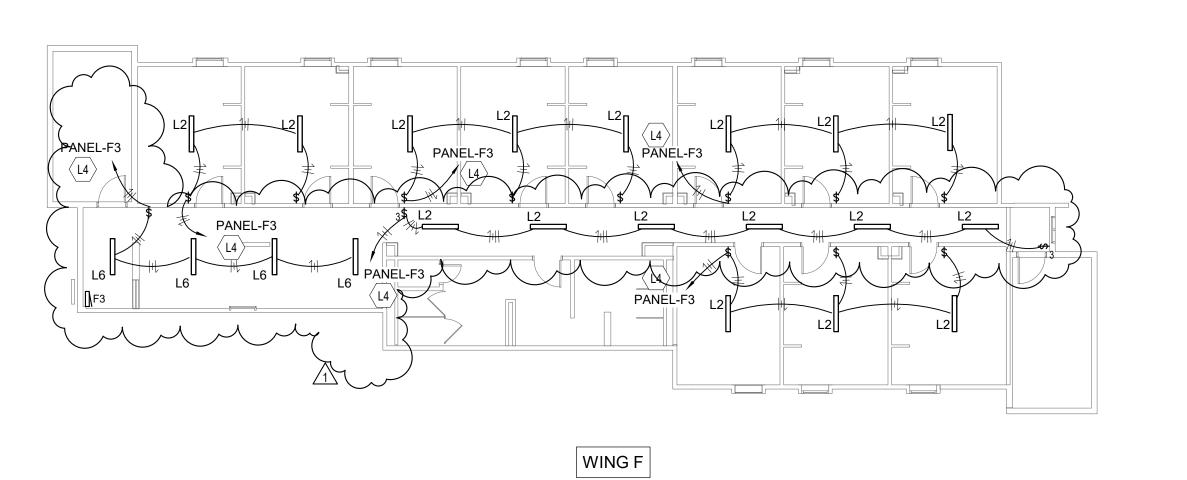
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SECOND FLOOR PLAN - LIGHTING

PANEL-F2

1 THIRD FLOOR PLAN - LIGHTING
E303 3/32" = 1'-0"









- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS,
 ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF
 ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS
 INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3)
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 BE PROVIDED WITH A DEDICATED NEUTRAL
 CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE
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 ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED,
 CONTRACTOR SHALL DERATE ALL CURRENT CARRYING
 - CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

 C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH DANIEL AND CIRCUIT NUMBER.
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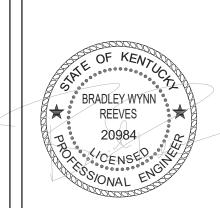
 D. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS
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 LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
 - WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE. LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND
 - OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.

 H. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS,
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 BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND
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 CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF
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 - J. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

TAGGED NOTES

- L1 REFER TO ENLARGED PLAN FOR LIGHTING IN THIS AREA.

 L2 PROVIDE NEW LIGHT SWITCH IN EXISTING SWITCH BOX AND PROVIDE NEW STAINLESS STEEL COVER PLATE.
- PROVIDE NEW LIGHT FIXTURE IN CEILING. COORDINATE LOCATION WITH EXISTING SMOKE DETECTOR AND SPRINKLER HEAD. FIXTURE SHALL BE 12" MINIMUM FROM SPRINKLER. PROVIDE CIRCUIT ABOVE CEILING BY FISHING, ETC. AS NECESSARY. WHERE WIREMOLD IS EXISTING, EXTEND WIREMOLD ACROSS CEILING TO NEW LIGHT FIXTURE. WIREMOLD SHALL BE METAL, PAINTABLE TYPE.
- L4 PROVIDE 2#12, 1#12 GROUND IN 3/4" CONDUIT. PROVIDE NEW 20A/1P BREAKER IN PANEL.
- L6 PROVIDE LIGHT SWITCH AT NEW ATTIC HATCH LOCATION. COORDINATE WITH ARCHITECTURAL



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ISSUANCES
0-19-18 PERMIT/BID SET

10-19-18 PERMIT/BID SET
1 01-14-19 SCOPE REDUCTION

THIRD FLOOR PLAN -LIGHTING

DATE 1/14/19

COMM NO. 2017066.01

E303

SCALE: 3/32" = 1'-0"
0 1 2 4 8 16 24 32 46

GENERAL NOTES (LIGHTING):

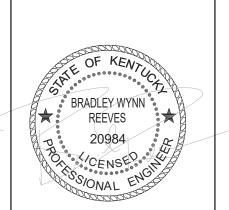
ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES. B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C #100 / 210.4 (CIRCUITS SHARING A

REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS,

- COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- WHERE EXIT SIGNS OR EMERGENCY BATTERY PACKS ARE PROVIDED, THEY SHALL BE CONNECTED TO AN UNSWITCHED LINE. LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND
- OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS. H. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL
- EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

TAGGED NOTES

L6 PROVIDE LIGHT SWITCH AT NEW ATTIC HATCH LOCATION. COORDINATE WITH ARCHITECTURAL



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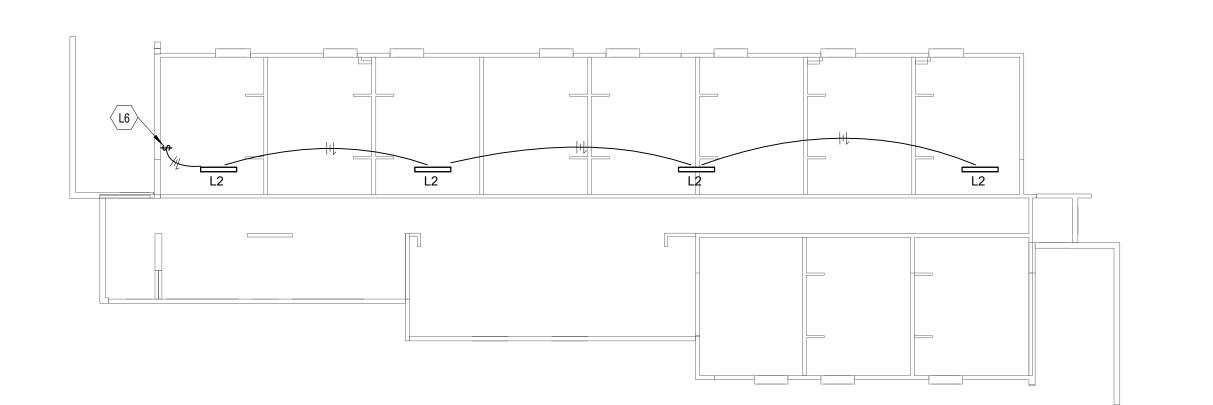
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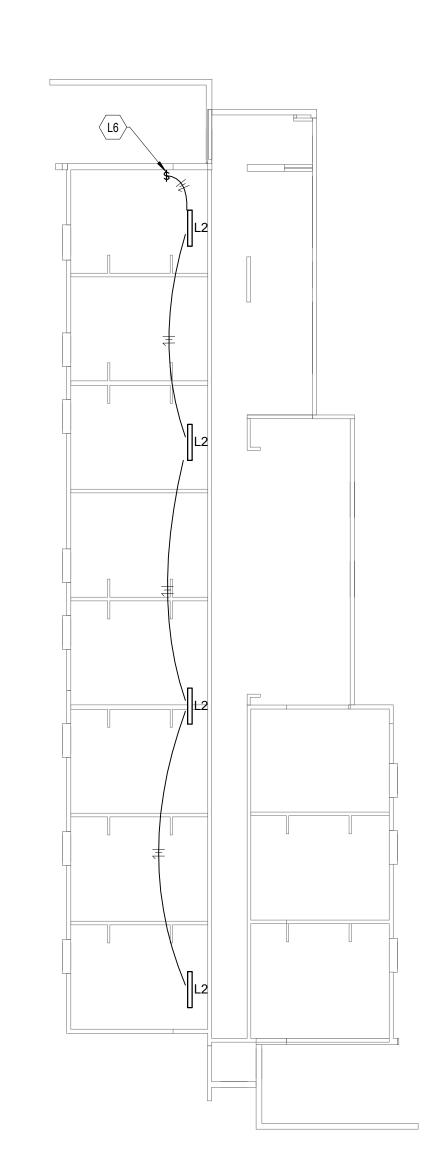
ISSUANCES

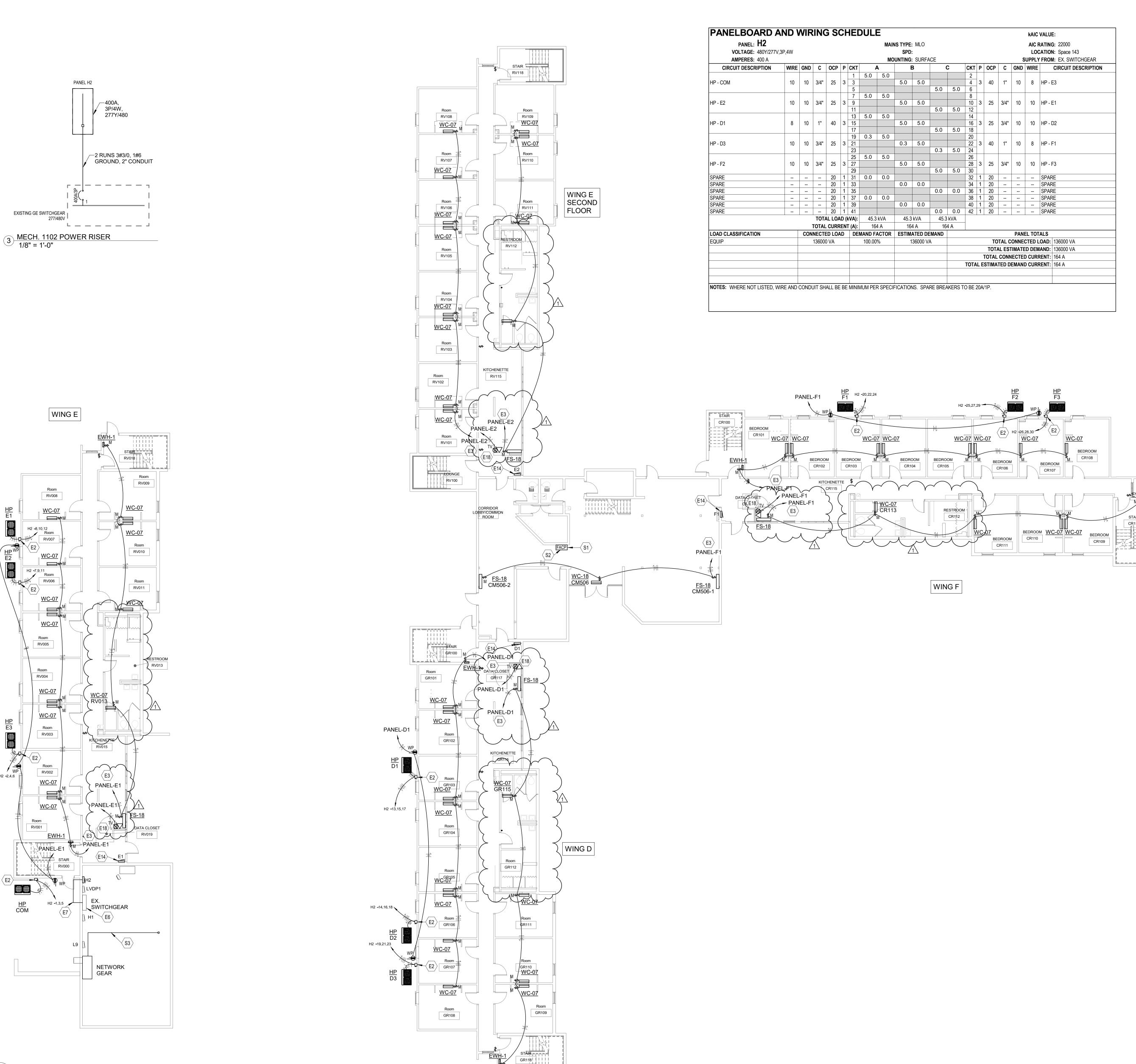
ATTIC PLAN -LIGHTING

1/14/19

COMM NO. 2017066.01







FIRST FLOOR PLAN - POWER/SYSTEMS

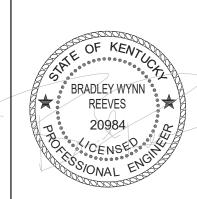
E401 3/32" = 1'-0"

GENERAL NOTES (POWER):

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A
- COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E). LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND
- PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

TAGGED NOTES

- E2 PROVIDE HEAVY DUTY 3-POLE. NEMA 3R 35A DISCONNECT SWITCH. PROVIDE A 35A/3P BREAKER IN PANEL H2. PROVIDE 3#8, 1#10 GND., IN 1" E3 PROVIDE 3#12, 1#12 GROUND IN 3/4" CONDUIT BETWEEN UNITS AND TO PANEL. PROVIDE A 20A/2P BREAKER IN PANEL. E6 PROVIDE 400A/3P BREAKER TO SERVE NEW PANEL H2. EXISTING
- SWITCHGEAR IS GE 1200A THKSS4612SGA3, SERIAL NUMBER V40476. SEE DETAIL 2, THIS SHEET.
- PROVIDE 2 RUNS 3#3/0, 1#6 GROUND IN 2" CONDUIT FROM EXISTING SWITCHGEAR TO NEW PANEL H2. E14 EXISTING GENERAL ELECTRIC NLAB PANELBOARD TO REMAIN. PANEL IS
- 100A, 120V/208, 3 PHASE, 4 WIRE. REPLACE ALL EXISTING BREAKERS, RECONNECT ALL EXISTING CIRCUITS, EXTEND ALL EXISTING WIRING AS NECESSARY TO LAND ON NEW BREAKERS. CONNECT ALL NEW CIRCUITS
- TO NEW BREAKERS IN EXISTING PANEL. E18 PROVIDE DUPLEX RECEPTACLE, DATA, COAX FOR TELEVISION. COORDINATE WITH OWNERARCHITECT ON EXACT MOUNTING LOCATION AND HEIGHT. NEW EST3 PANEL SHALL BE CONNECTED TO THE CAMPUS LOOP SYSTEM
- BACK TO THE FIRE ALARM MONITORING STATION IN THE CENTRAL PLANT. PROVIDE FIBER OPTIC CABLE TO CONNECT THE EST3 FIRE ALARM PANEL TO THE CAMPUS LOOP. THE TIE IN POINT FOR THE CAMPUS LOOP IS LOCATED IN THE LOWER LEVEL MECHANICAL ROOM.
- S2 PROVIDE NEW EST3 FIRE ALARM PANEL IN DIRECT REPLACEMENT OF EXISTING PANEL. RE-CONNECT ALL FIRE ALARM CIRCUITS TO COMPLETE A FUNCTIONAL SYSTEM. PROVIDE 1" CONDUIT WITH SINGLE MODE FIBER FROM NEW FIRE ALARM
- CONTROL PANEL ON FLOOR ABOVE TO NETWORK GEAR ALONG PATH AS SHOWN. DRILL 1 1/2" HOLE THROUGH CORE OF FLOOR PLANK SYSTEM TO PASS CONDUIT THROUGH. SEAL/PATCH FLOOR AROUND CONDUIT. RUN CONDUIT/FIBER ACROSS CEILING OF MECHANICAL ROOM UP TO ABOVE. CONNECT TO FIBER IN GEAR



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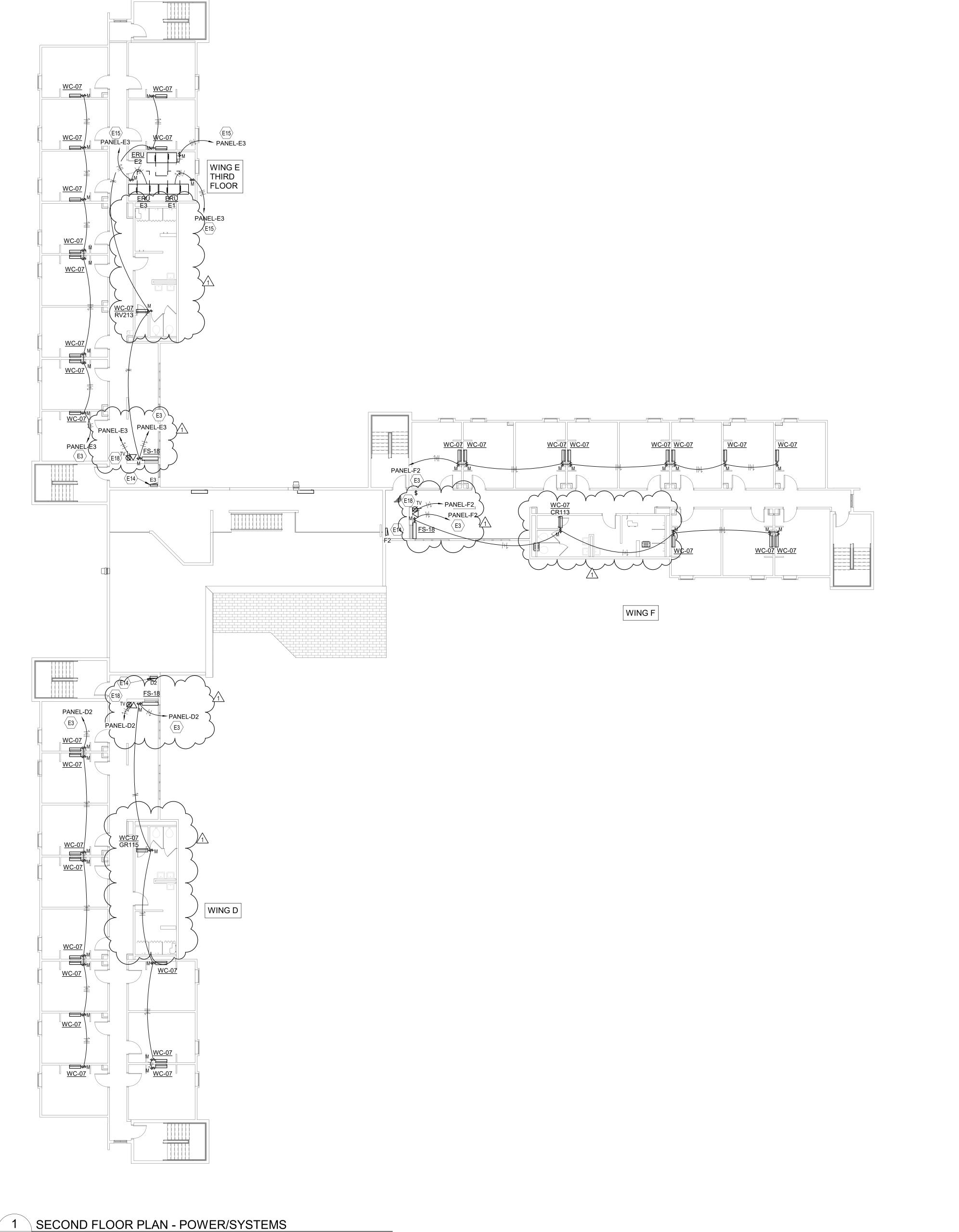
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| ISSUANCES | | | | | | | |
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| | 10-19-18 PERMIT/BID SET | | | | | | |
| 1 | 01-14-19 | SCOPE REDUCTION | | | | | |
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FIRST FLOOR PLAN -POWER/SYSTEM\$

COMM NO. 2017066.01

E402 3/32" = 1'-0"



GENERAL NOTES (POWER):

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS
 - INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH
- CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E). LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND
- PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

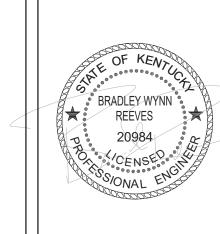
TAGGED NOTES

E3 PROVIDE 3#12, 1#12 GROUND IN 3/4" CONDUIT BETWEEN UNITS AND TO PANEL. PROVIDE A 20A/2P BREAKER IN PANEL. E14 EXISTING GENERAL ELECTRIC NLAB PANELBOARD TO REMAIN. PANEL IS 100A, 120V/208, 3 PHASE, 4 WIRE. REPLACE ALL EXISTING BREAKERS,

E18 PROVIDE DUPLEX RECEPTACLE, DATA, COAX FOR TELEVISION.

RECONNECT ALL EXISTING CIRCUITS, EXTEND ALL EXISTING WIRING AS NECESSARY TO LAND ON NEW BREAKERS. CONNECT ALL NEW CIRCUITS TO NEW BREAKERS IN EXISTING PANEL. E15 PROVIDE 3#12, 1#12 GROUND IN 3/4" CONDUIT TO PANEL. PROVIDE A 20A/2P BREAKER IN PANEL.

COORDINATE WITH OWNERARCHITECT ON EXACT MOUNTING LOCATION



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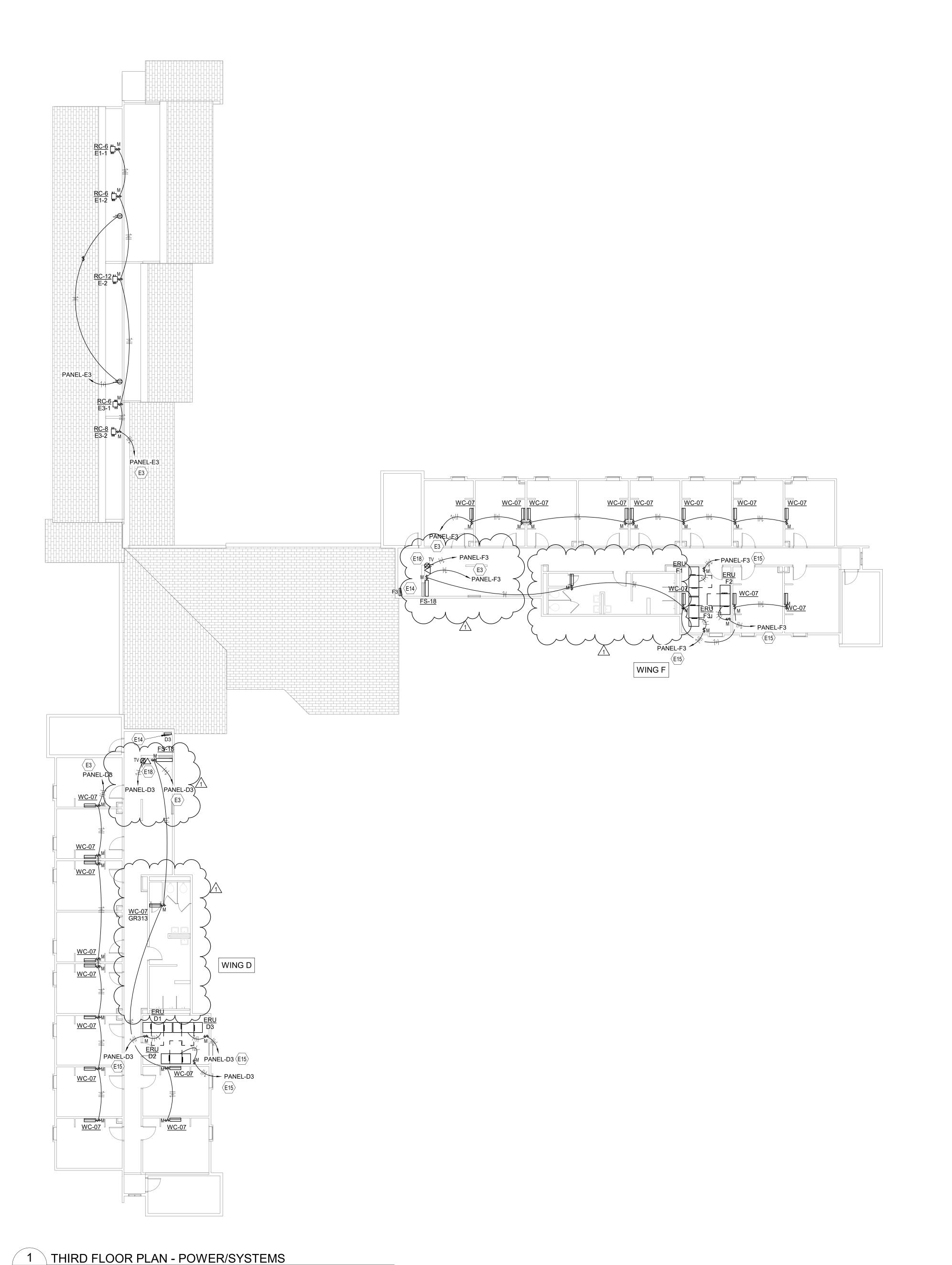
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ISSUANCES

SECOND FLOOR PLAN -POWER/SYSTEMS

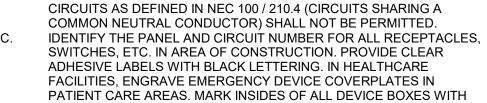
COMM NO. 2017066.01

E403 3/32" = 1'-0"



GENERAL NOTES (POWER):

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A



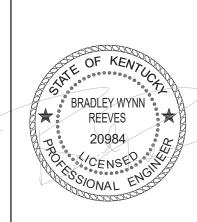
- PANEL AND CIRCUIT NUMBER.
 RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS
 SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM
 SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
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 LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL
 DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND
 PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING
 CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF
 REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER
 SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL
 EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS
 OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT
 BY OTHER TRADES.

TAGGED NOTES

- E3 PROVIDE 3#12, 1#12 GROUND IN 3/4" CONDUIT BETWEEN UNITS AND TO PANEL. PROVIDE A 20A/2P BREAKER IN PANEL.
- E14 EXISTING GENERAL ELECTRIC NLAB PANELBOARD TO REMAIN. PANEL IS 100A, 120V/208, 3 PHASE, 4 WIRE. REPLACE ALL EXISTING BREAKERS, RECONNECT ALL EXISTING CIRCUITS, EXTEND ALL EXISTING WIRING AS NECESSARY TO LAND ON NEW BREAKERS. CONNECT ALL NEW CIRCUITS TO NEW BREAKERS IN EXISTING PANEL.

 E15 PROVIDE 3#12, 1#12 GROUND IN 3/4" CONDUIT TO PANEL. PROVIDE A
- 20A/2P BREAKER IN PANEL.

 E18 PROVIDE DUPLEX RECEPTACLE, DATA, COAX FOR TELEVISION.
 COORDINATE WITH OWNERARCHITECT ON EXACT MOUNTING LOCATION
 AND HEIGHT.





100 | 250 Civic Center Drive, Ste 200 | 223 Fairfield Avenue, Columbus, Ohio 43215 | Bellevue, Kentucky 4 | Bellevue, Rentucky 6 | Bellev

312 Plum Street, Ste 700 2 Cincinnati, Ohio 45202

312 Plum St Cincinnati, C

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NORTHERN KENTUCKY UNIVERSITY

ISSUANCES

10-19-18 PERMIT/BID SET
1 01-14-19 SCOPE REDUCTION

THIRD FLOOR
PLAN POWER/SYSTEMS

DATE 1/14/19

COMM NO. 2017066.01

GENERAL NOTES (POWER):

A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES. B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.

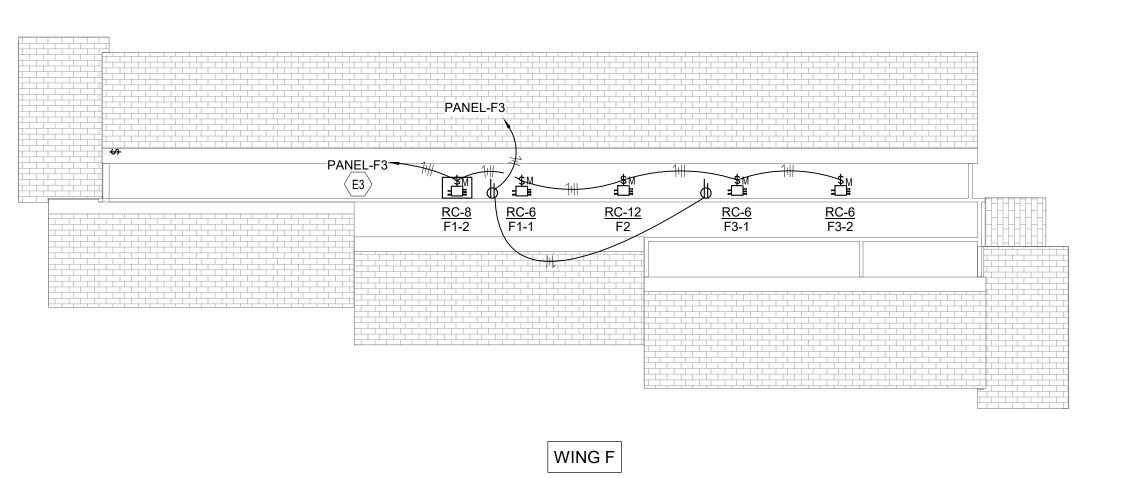
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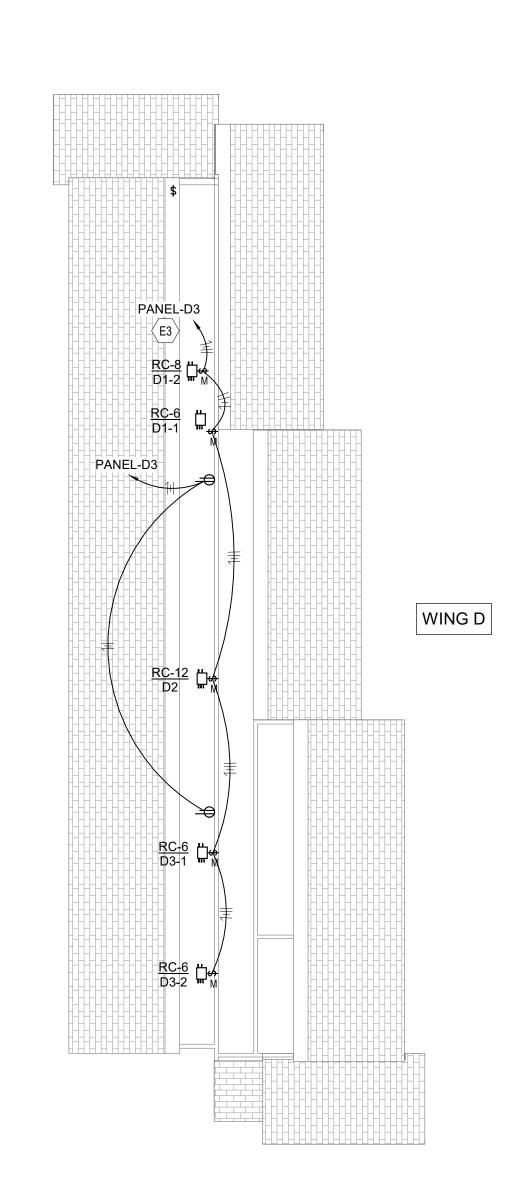
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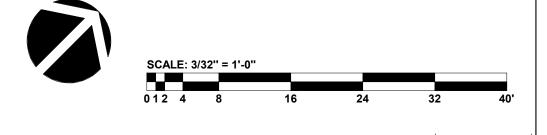
TAGGED NOTES

E3 PROVIDE 3#12, 1#12 GROUND IN 3/4" CONDUIT BETWEEN UNITS AND TO PANEL. PROVIDE A 20A/2P BREAKER IN PANEL.









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ISSUANCES

ATTIC PLAN -POWER/SYSTEMS

COMM NO. 2017066.01