Procurement Services
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Highland Heights, KY 41099
859.572.6605
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ADDENDUM NO:	**2**
IFB/RFP No:	NKCC-01-20
Commodity:	Sbarro Renovation
Date:	10/10/2019
Due Date:	**10/17/2019 @ 2PM**

BIDDER/RESPONDER SHALL CONFORM TO THE FOLLOWING CHANGES AS SAME SHALL BECOME BINDING UPON THE CONTRACT TO BE ISSUED IN RESPONSE TO THIS INVITATION FOR BID.

1. Please visit the following link for electrical panel pictures.

   https://www.dropbox.com/sh/x4c9s0xdr5o3w6x/AACAb_CjFBBZ_Gvq5KF9zzToa?dl=0

2. Please see the attached revised drawings.

SK1.0:

- revised demo scope of existing conditions- remove existing graphics. Refer to drawings for more information.
- Revised paints scope, refer to drawings for more information.

Sheet EP100:

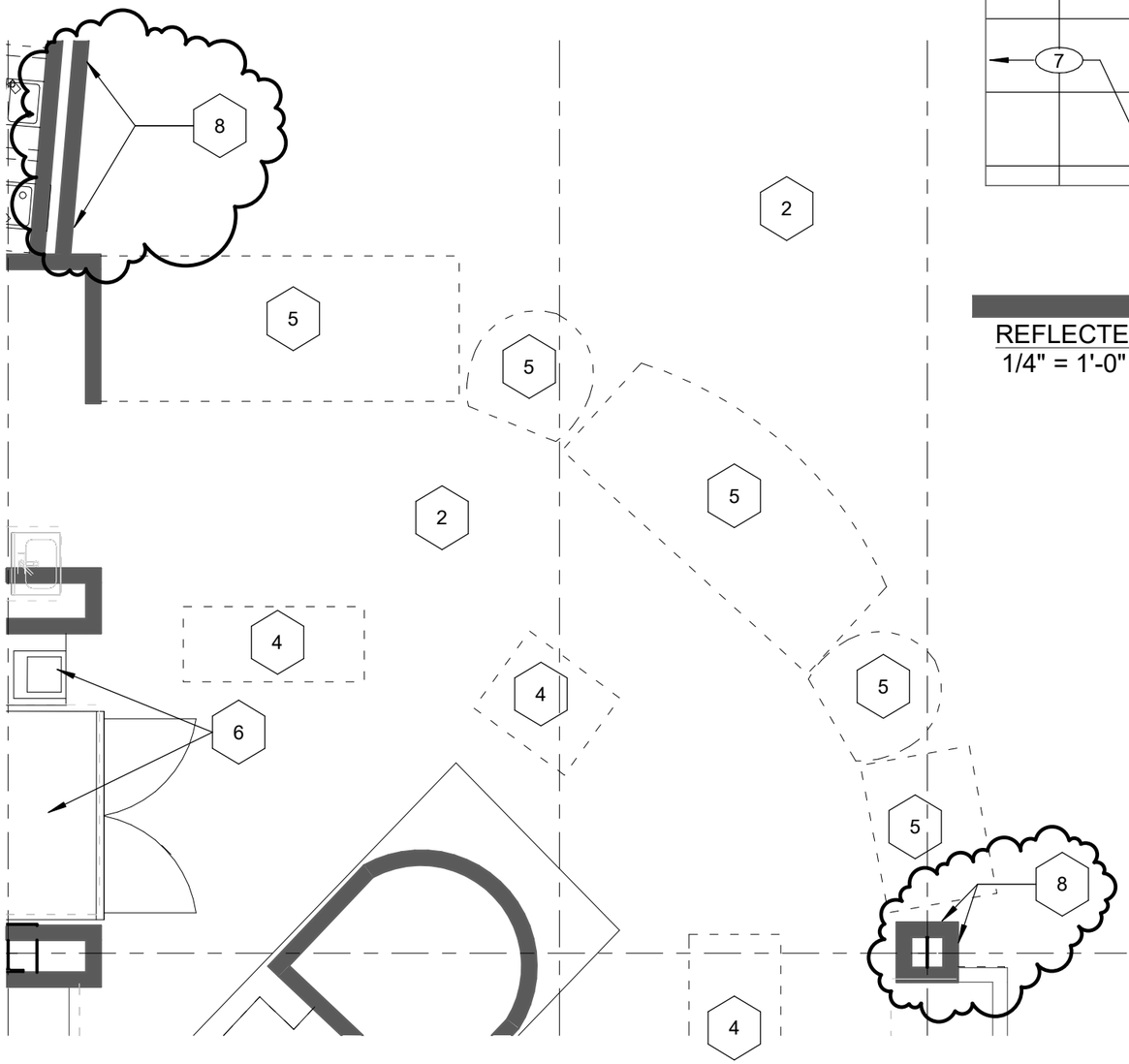
- second floor existing panel location plan added to sheet. Length of connection to KD2 added to sheet for reference. Refer to drawings for more information.

Sheet EP601:

- electrical panel schedule clarification for existing 750 KVA transformer. Refer to drawings for more information.

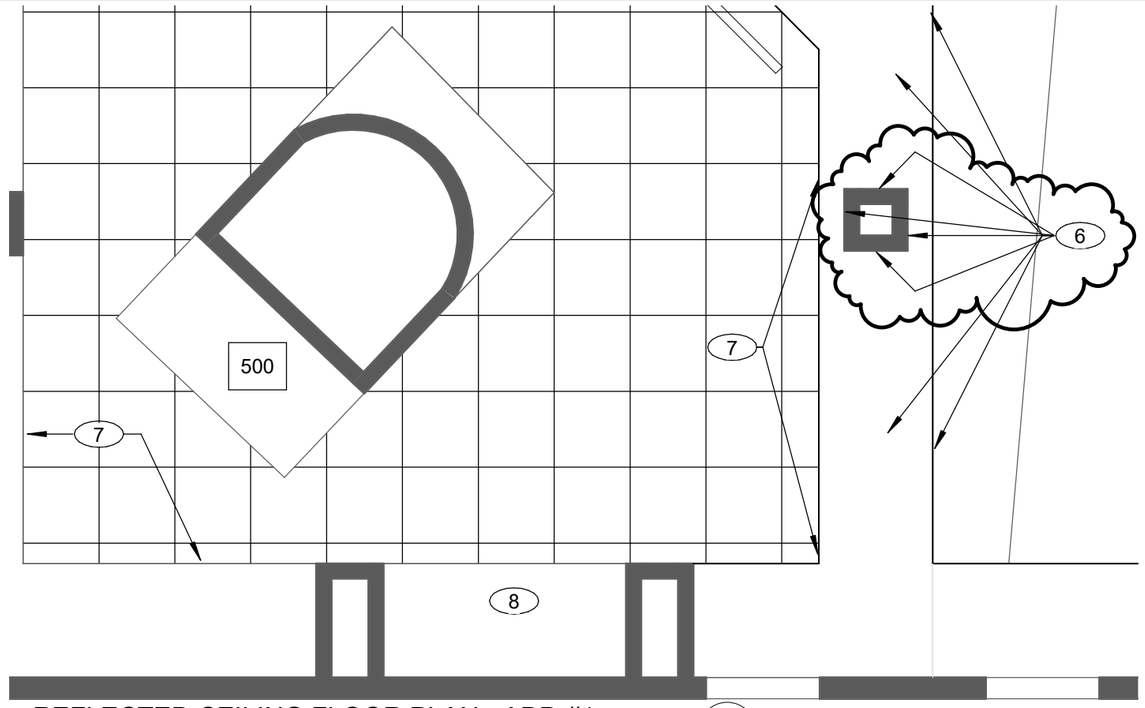
END OF ADDENDUM

RS-10/10/2019



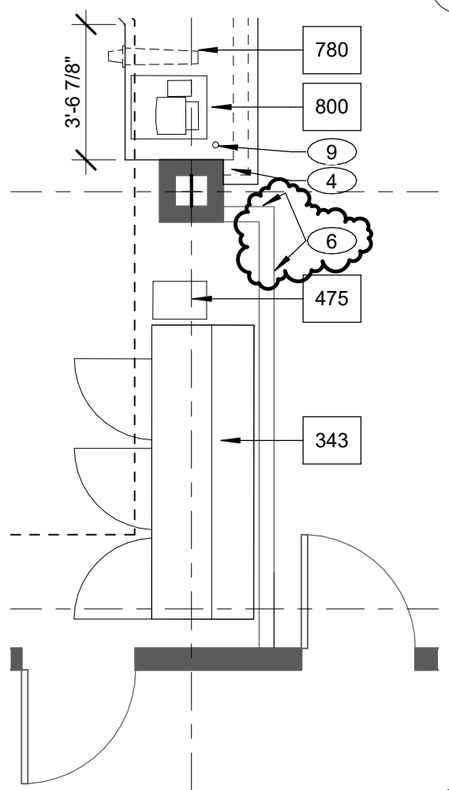
DEMOLITION FLOOR PLAN - ADD #1
1/4" = 1'-0"

1



REFLECTED CEILING FLOOR PLAN - ADD #1
1/4" = 1'-0"

3



NEW WORK FLOOR PLAN
1/4" = 1'-0"

2

DEMOLITION KEY NOTES:

1. REFER TO ELECTRICAL DRAWINGS FOR ITEMS TO BE REMOVED DURING DEMOLITION. ANY WALLS OR CEILING AFFECTED BY DEMOLITION SHALL BE REPAIRED TO LIKE NEW CONDITION.
2. EXISTING TILE FLOORING TO REMAIN
3. REFER TO ELECTRICAL DRAWINGS FOR PENDANT LIGHTS TO BE REMOVED. SOFFIT TO BE PATCHED TO MATCH ADJACENT SURFACES. SALVAGE EXISTING LIGHTS TO BE REMOVED, TURN OVER TO THE OWNER.
4. REMOVE EXISTING EQUIPMENT INDICATED. COORDINATE WITH ELECTRICAL/PLUMBING DEMOLITION DRAWINGS.
5. REMOVE EXISTING CASEWORK AS INDICATED. REPAIR ANY DAMAGE TO FINISH SURFACES TO REMAIN. CLEAN FINISH SURFACES TO REMAIN.
6. EXISTING EQUIPMENT/FIXTURES TO REMAIN.
7. INSTALL TEMPORARY CONSTRUCTION PARTITION/WALL TO RETAIN NOISE, DUST AND DEBRIS FROM AFFECTING OPERATION OF ADJACENT SPACES (W/DOOR)
8. REMOVE EXISTING GRAPHIC FROM WALL SURFACE AND PREPARE WALL SURFACE TO LIKE NEW CONDITION FOR NEW FINISH.

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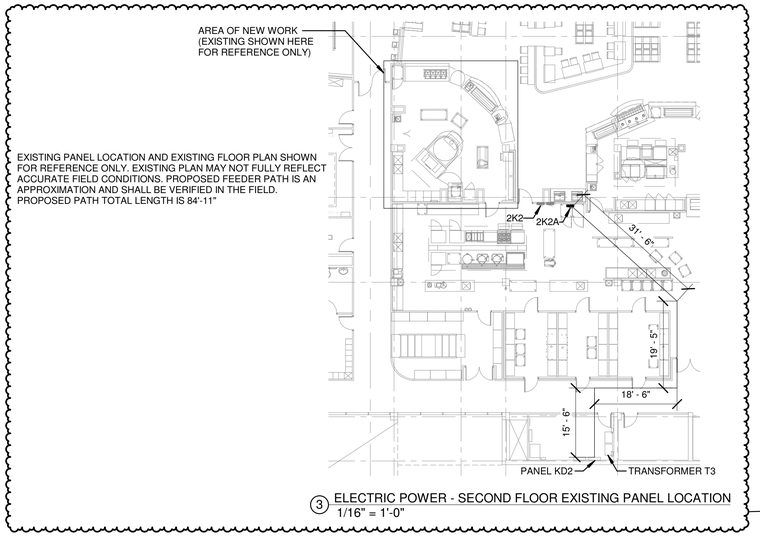
NORTHERN KENTUCKY UNIVERSITY
STUDENT UNION RENOVATION
- SBARRO PIZZA

ADDENDUM 2 -
REVISIONS TO SHEET
A1.0

SKETCH NO.:
SK1.0

10/10/2019 9:53:18 AM



3 ELECTRIC POWER - SECOND FLOOR EXISTING PANEL LOCATION
1/16" = 1'-0"

KITCHEN EQUIPMENT SCHEDULE						
Equipment Mark	Description	Voltage	Phase	Load	Supply From	Supply From Circuit Number
340	2 DOOR REACH IN REFRIGERATION	120 V	1	1000 VA		EXISTING
343	REFRIGERATED PIZZA PREP	120 V	1	1000 VA		EXISTING
400	DECK PIZZA OVEN	120 V	1	500 VA		EXISTING
410	CONVEYOR OVEN	208 V	3	8276 VA	2K2A	1,3,5
470	DOUGH MIXER	208 V	3	5793 VA	2K2A	2,4,6
475	CHEESE HOG	208 V	3	5398 VA	2K2A	7,9,11
482	HOT WELL	208 V	3	4960 VA	2K2	7,9,11
485	REFRIGERATED DISPLAY CASE	120 V	1	1536 VA	2K2A	13
700	PIZZA SCALE	120 V	1	500 VA		EXISTING
860	MENU BOARDS	120 V	1	500 VA	2K2A	8
900	SIGNAGE	120 V	1	500 VA	2K2A	10
901	SIGNAGE	120 V	1	500 VA	2K2A	12

GENERAL NOTES

A. COORDINATE LOCATION OF ALL NEW DEVICES WITH NEW CASEWORK, WALLS, AND EQUIPMENT IN FIELD. ENSURE NEW DEVICES ARE ACCESSIBLE AND ALL EQUIPMENT CONNECTIONS CAN BE MADE.

KEYED NOTES

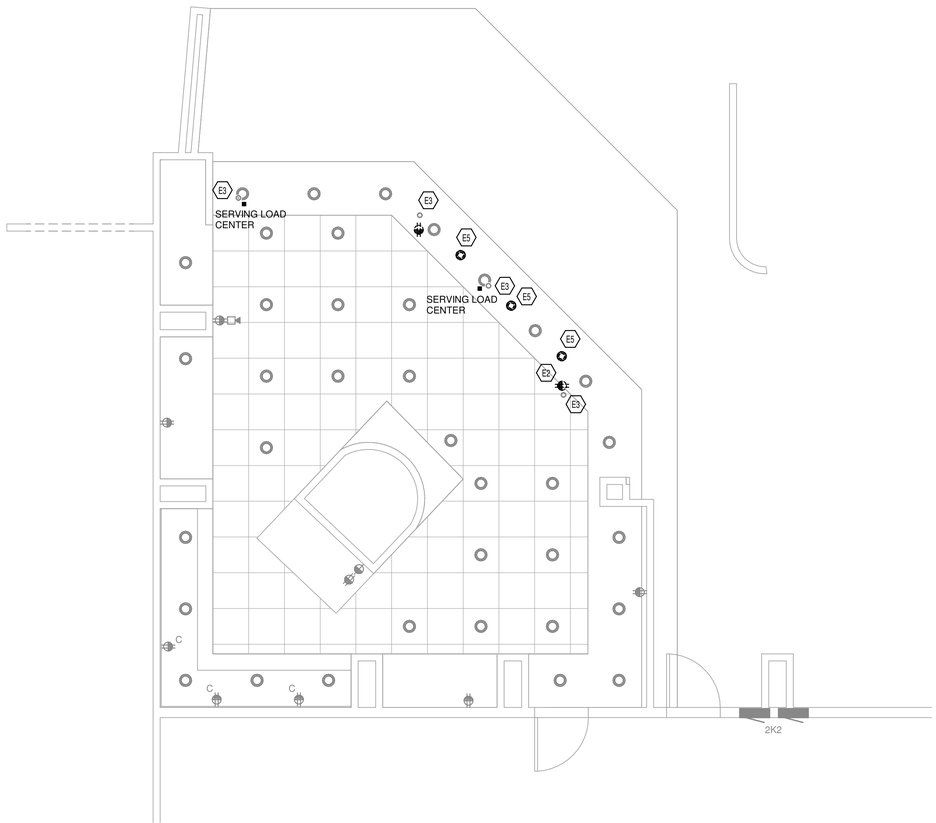
E1 EQUIPMENT SHALL BE POWERED FROM EXISTING RECEPTACLE AND CIRCUIT.

E2 RELOCATE EXISTING RECEPTACLE AND DATA FROM DEMOLISHED P.O.S. LOCATION TO NEW LOCATION SHOWN. UTILIZE EXISTING CIRCUITING AND EXTEND/MODIFY AS NECESSARY. NO CUTTING OR TRENCHING OF FLOOR SHALL OCCUR. LINE SHOWN IS TO INDICATE DESTINATION AND NOT ACTUAL PATH. PROVIDE CONDUIT FOR EXTENSION OF CIRCUITING.

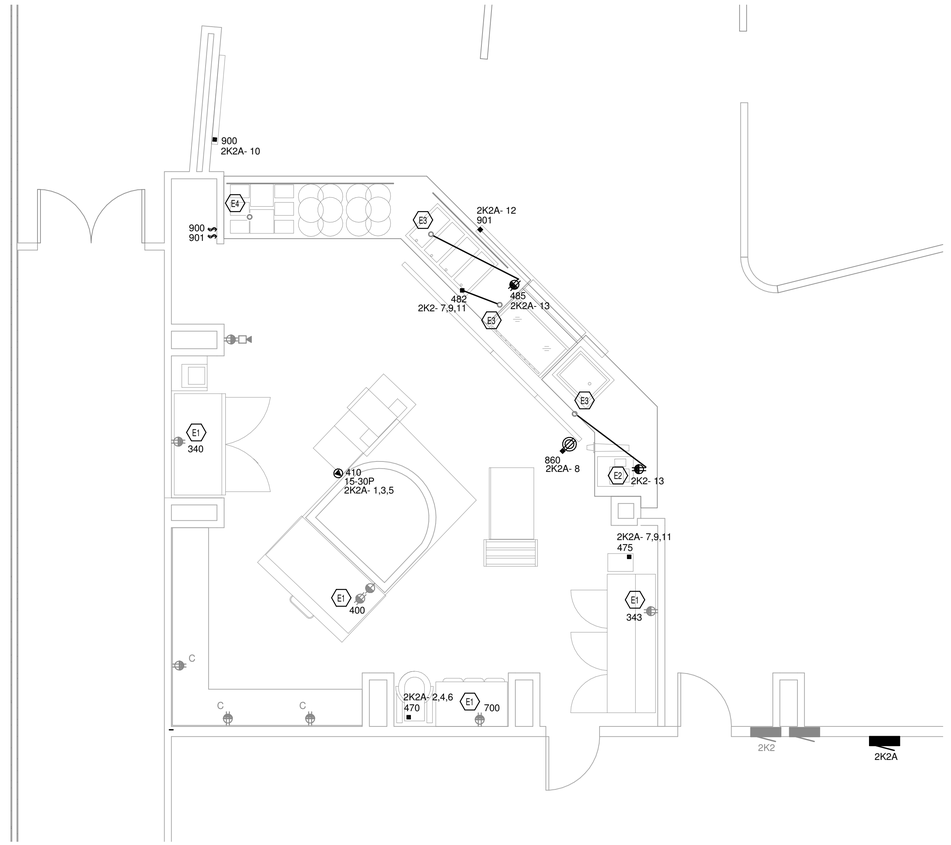
E3 EXISTING CONDUIT STUB UP. STUB UP SHALL BE USED FOR NEW CIRCUITING TO EQUIPMENT SHOWN. NO CUTTING OR TRENCHING OF FLOOR SHALL OCCUR. LINE SHOWN IS TO INDICATE DESTINATION AND NOT ACTUAL PATH. PROVIDE CONDUIT FOR EXTENSION OF CIRCUITING.

E4 EXISTING CONDUIT STUB UP. STUB UP NOT NEEDED FOR NEW EQUIPMENT IN THIS LOCATION. REMOVE WIRING FOR EXISTING CIRCUIT AND REPLACE WITH PULL STRING THROUGH CONDUIT IN CASE OF FUTURE NEED.

E5 REMOVE EXISTING PENDANT DOWNLIGHTS. MODIFY EXISTING CIRCUITING TO MAINTAIN POWER TO REMAINING DEVICES ON CIRCUIT. COORDINATE PATCHING AND PAINTING OF SOFFIT WITH GENERAL CONTRACTOR.



2 ELECTRIC DEMOLITION - SECOND FLOOR
1/4" = 1'-0"



1 ELECTRIC POWER - SECOND FLOOR
1/4" = 1'-0"

REVISIONS;

No.	Description	Date
1	Addendum 2	10/10/19

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NKU NORTHERN KENTUCKY UNIVERSITY

PROJECT NAME:

NORTHERN KENTUCKY UNIVERSITY
STUDENT UNION RENOVATION - SBARRO PIZZA

STAMP:

SHEET TITLE:
ELECTRIC POWER - SECOND FLOOR

ELECTRICAL

PROJECT NO.:	2019-003
DRAWN BY:	RTT
CHECKED BY:	DTJ
SCALE:	As indicated
DATE:	SEPTEMBER 2019

SHEET NUMBER:
EP100

CONTRACT DOCUMENTS

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KLH PROJ. #21271.00

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ELECTRIC SINGLE LINE EQUIPMENT SCHEDULE

NOTES:
ALL CONDUIT SIZES INDICATED ARE MINIMUM SIZES. INCREASE SIZES AS REQUIRED TO ACCOMMODATE CONDUCTOR PULLING EASE, FIELD CONDITIONS, ETC.

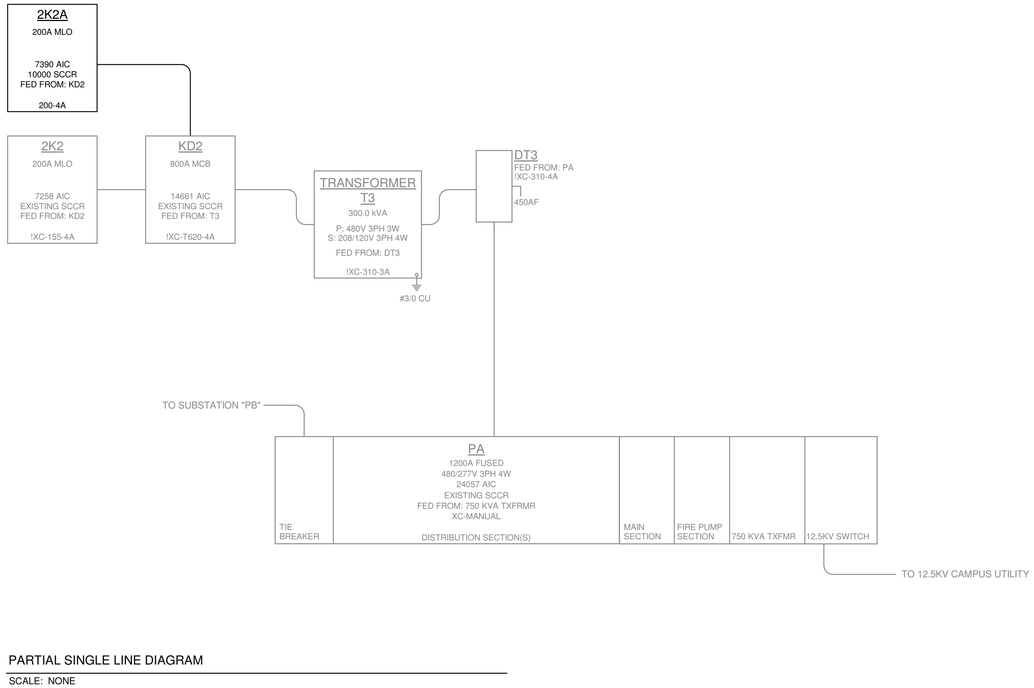
"CU" = COPPER CONDUCTOR, "AL" = ALUMINUM CONDUCTOR

TYPICAL EQUIPMENT NAME NOMENCLATURE:
1 - POWER DISTRIBUTION SYSTEM (BLANK - NORMAL, E - EMERGENCY, S - STANDBY, L - LIFE SAFETY)
2 - DESCRIPTION (H - 480Y/277V, L - 208Y/120V)
3 - FLOOR / LEVEL
4 - SEQUENCE

FEEDER ID NOMENCLATURE:
* - INDICATES FEEDER SIZED TO COMPENSATE FOR VOLTAGE DROP
1 - GROUND TYPE (MAY BE BLANK)
U = EQUIPMENT GROUND CONDUCTOR REMOVED FOR SERVICE ENTRANCE FROM UTILITY
P = PARITY-SIZED EQUIPMENT GROUND CONDUCTOR
X = EXISTING FEEDER TO REMAIN UNLESS OTHERWISE NOTED
T = UPSIZED GROUND CONDUCTORS FOR TRANSFORMER SECONDARY

2 - CONDUCTOR AMPACITY
3 - TOTAL NUMBER OF PHASE AND GROUNDED ("NEUTRAL") CONDUCTORS
4 - CONDUCTOR MATERIAL: C = COPPER, A = ALUMINUM
5 - SPECIAL (MAY BE BLANK)
I = ISOLATED GROUND (PROVIDE CONTINUOUS INSULATED ISOLATED EQUIPMENT GROUNDING CONDUCTOR(S) FROM INSULATED ISOLATED GROUND BAR(S) TO RESPECTIVE UPSTREAM SERVICE ENTRANCE OR DERIVED SYSTEM GROUNDING ELECTRODE CONDUCTOR AS APPLICABLE.

EQUIPMENT	PHASE	POWER BRANCH	EQUIPMENT TYPE	SUPPLY FROM	SPACE NUMBER	SPACE NAME	VOLTAGE	POLES	WIRES	DEMAND (kVA)	DEMAND (A)	MAINS RATING (A)	MAINS FRAME RATING (A)	MAINS TYPE	FEEDER ID	FEEDER	VD %	SPD	ULSE	GEC	ENCLOSURE TYPE	200% NEUTRAL	K-RATING	FAULT CURRENT (A)	SHORT CIRCUIT RATING (A)	NOTES
750 KVA TXFRMR	1 Existing	NORMAL	750 kVA Transformer				480	3													NEMA 1			25775		
-- PA	Existing	NORMAL	Switchboard	750 KVA TXFRMR			480	3	4	628.4 kVA	756 A	1200	1200	FUSED - BOLTED PRESSURE	XC-MANUAL	EXISTING FEEDER, (4) #4/0 15KV CABLES, (1) #4/0 AWG CU GND.	0.269				NEMA 1			24057	EXISTING	
---- DT3	Existing	NORMAL	Safety Switch	PA			480	3	4	292.4 kVA	352 A	450	450	MAIN LUGS ONLY	!XC-310-4A	EXISTING FEEDER, (4) #500 KCMIL AL, (1) #2 AWG AL GND. IN 4" CONDUIT	0.86				NEMA 1			18076	EXISTING	
------ T3	Existing	NORMAL	300 kVA Transformer	DT3			480	3	3	292.4 kVA	352 A	450	450		!XC-310-3A	EXISTING FEEDER, (3) #500 KCMIL AL, (1) #2 AWG AL GND. IN 4" CONDUIT	0.93				NEMA 1			15206	EXISTING	
-------- KD2	Existing	NORMAL	Distribution Panelboard	T3			208	3	4	219.5 kVA	609 A	800	800	THERMAL MAGNETIC	!XC-T620-4A	EXISTING FEEDER, (2) SETS OF (4) #500 KCMIL AL, (1) #2 AWG AL GND. IN 4" CONDUIT EACH	1.112				NEMA 1			14661	EXISTING	EXISTING EATON PRL4 DISTRIBUTION PANELBOARD
---------- 2K2	Existing	NORMAL	Branch Panelboard	KD2			208	3	4	58.4 kVA	162 A	200	200	MAIN LUGS ONLY	!XC-155-4A	EXISTING FEEDER, (4) #3/0 AWG AL, (1) #2 AWG AL GND. IN 2" CONDUIT	2.49				NEMA 1			7258	EXISTING	EXISTING EATON PRL1A PANELBOARD
---------- 2K2A	New Construction	NORMAL	Branch Panelboard	KD2			208	3	4	24.1 kVA	67 A	200	200	MAIN LUGS ONLY	200-4A	(4) #250 KCMIL AL, (1) #4 AWG AL GND. IN 3" CONDUIT	1.66				NEMA 1			7390	10000	



PARTIAL SINGLE LINE DIAGRAM

SCALE: NONE

GENERAL ELECTRICAL POWER DISTRIBUTION NOTES

A. OVERCURRENT PROTECTION RATINGS: UNLESS INDICATED OTHERWISE, PROVIDE FULLY-RATED OR SERIES-RATED OVERCURRENT PROTECTION (OCP) AS REQUIRED TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF NFPA 70. PROVIDE EQUIPMENT AND OCP RATED TO MEET OR EXCEED THE AVAILABLE SERIES-RATED FAULT CURRENT AT THE RESPECTIVE NODE IN THE POWER DISTRIBUTION SYSTEM. SERIES-RATED BREAKERS/SYSTEMS ARE NOT PERMITTED WHERE PROHIBITED BY PREVAILING CODES AND STANDARDS, INCLUDING APPLICATIONS INVOLVING MOTOR CONTRIBUTION AS ADDRESSED IN ARTICLE 240.86(C) OF NFPA 70. FURNISH ELECTRONIC COPIES OF THE ELECTRICAL DOCUMENTS TO THE MANUFACTURER'S REPRESENTATIVE AND/OR EQUIPMENT SUPPLIER SO THAT PROPERLY RATED AND BRACED EQUIPMENT IS PROVIDED UNDER BASE BID. IF FAULT CURRENT VALUES ARE NOT INDICATED ON PLANS, ALSO PROVIDE FAULT CURRENT CALCULATIONS AND FURNISH RESULTS WITH EQUIPMENT SUBMITTALS.

B. POWER DISTRIBUTION EQUIPMENT LABELS: IN ADDITION TO LABELS REQUIRED WITHIN THE SPECIFICATIONS, INCLUDE CORRESPONDING MAXIMUM AIC (AVAILABLE INRUSH CURRENT) AND SHORT-CIRCUIT CURRENT RATING (SCCR) FOR EACH PIECE OF POWER DISTRIBUTION EQUIPMENT, ALONG WITH ARC FLASH LABELS COMPLIANT WITH ARTICLE 110.16 OF NFPA 70. ALSO INCLUDE CONDUCTOR COLOR CODING FOR THE BUILDING AND PHASE ROTATION AS APPLICABLE.

C. CONDUCTOR TERMINATIONS: IN CASES WHERE CONDUCTOR SIZES ARE TOO LARGE TO FIT INTO LUGS/TERMINALS, PROVIDE APPROPRIATE FACTORY LUG KITS FOR AFFECTED EQUIPMENT IF AVAILABLE. ELSEWHERE, PROVIDE INSULATED BUTT-SPLICES OR EQUIVALENT METHOD, WITH TAILS SIZED TO FIT LUGS/TERMINALS. PROVIDE SPLICES IN SEPARATE BOXES IF REQUIRED BASED ON FIELD CONDITIONS, BOX SIZE LIMITATIONS, ETC. CONCEAL BOXES IN ACCESSIBLE OVERHEAD JOIST SPACES IN FINISHED REGULARLY OCCUPIED AREAS.

D. ALUMINUM CONDUCTORS: PROVIDE THE FOLLOWING SUPPLEMENTAL WORK FOR ALUMINUM-CONDUCTOR ELECTRICAL EQUIPMENT CONNECTIONS, REGARDLESS OF WHO FURNISHES THE EQUIPMENT: REVIEW EQUIPMENT SUBMITTALS, INSTALLATION DOCUMENTS AND NAMEPLATES TO DETERMINE IF THERE ARE ANY WARRANTY OR UL LIMITATIONS REGARDING COPPER VERSUS ALUMINUM WIRING CONNECTIONS AT EQUIPMENT; IF THERE ARE ANY LIMITATIONS, PROVIDE LOCAL DISCONNECT AT OR NEAR EQUIPMENT (EXTERNAL TO THE EQUIPMENT) AND TERMINATE ALUMINUM CONDUCTORS TO THE LINE-SIDE LUGS/TERMINALS OF THE DISCONNECT SWITCH; PROVIDE COPPER CONDUCTORS FROM LOAD-SIDE LUGS/TERMINALS OF THE DISCONNECT SWITCH TO THE RESPECTIVE EQUIPMENT FACTORY DISCONNECT OR LUG/TERMINALS AS APPLICABLE; COORDINATE ALL RELATED WORK WITH ALL AFFECTED INSTALLERS.

E. BREAKER FRAME SIZES: AMPERE RATINGS INDICATED ON DRAWINGS FOR CIRCUIT BREAKERS ARE SHOWN TO DEFINE OVERCURRENT REQUIREMENTS/TRIP RATINGS. PROVIDE BREAKER FRAMES IN SIZES AND TYPES GREATER THAN THE DESIGNATED OVERCURRENT TRIP RATINGS WHERE NECESSARY TO ACHIEVE THE REQUIRED SELECTIVE COORDINATION, AND/OR AS NECESSARY FOR OTHER APPLICABLE REASONS.

REVISIONS:

No.	Description	Date
1	Addendum 2	10/10/19

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PROJECT NAME:

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STUDENT UNION RENOVATION - SBARRO PIZZA

STAMP:

SHEET TITLE:
ELECTRIC POWER - SINGLE LINE DIAGRAM

ELECTRICAL

PROJECT NO.:	2019-003
DRAWN BY:	RTT
CHECKED BY:	DTJ
SCALE:	1/8" = 1'-0"
DATE:	SEPTEMBER 2019

SHEET NUMBER:
EP601

CONTRACT DOCUMENTS

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