

SHEET NOTES

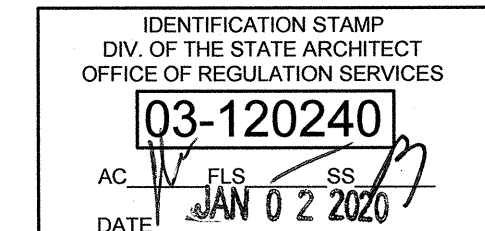
- VERIFY LOCATION OF ALL BUILDINGS AND APPENDICES ON ARCHITECTURAL AND CIVIL PLANS.
- CONTRACTOR SHALL VERIFY LOCATION & REQUIREMENTS OF ALL DEVICES/EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO BID PROPOSAL, ROUGH-IN, AND FINISH.
- CONTRACTOR SHALL, IN ROUTING ALL CIRCUITS, INCREASE CONDUCTOR & CONDUIT SIZE TO ALLOW FOR VOLTAGE DROP. SHOULD THE CONTRACTOR EXCEED ROUTING INDICATED ON DRAWINGS, ENGINEER OF RECORD MUST BE NOTIFIED PRIOR TO ANY DEVIATIONS FROM APPROVED PLAN CHECK (PERMIT SET) DRAWINGS.
- ALL 90 DEGREE CONDUIT BENDS AND RISERS SHALL BE PVC COATED RIBBED STEEL.
- VERIFY LOCATION OF ALL EQUIPMENT ON ARCHITECTURAL AND CIVIL PLANS.
- PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTORS IN ALL OCCUPIED SPACES.
- 1" CONDUIT MINIMUM UNDERGROUND.
- COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED, WHETHER SHOWN ON THE ELECTRICAL DRAWINGS OR NOT.
- CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS PER THE NATIONAL ELECTRICAL CODE, AND PER LOCAL AUTHORITIES HAVING JURISDICTION.
- FIELD CONDITIONS GOVERN DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL VERIFY ACTUAL CONDITIONS PRIOR TO START OF WORK. THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF POSSIBLE FIELD PROBLEMS PRIOR TO DEMOLITION.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH DIMENSIONED NYLON PULL STRING.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION OR TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UTILITIES IN PLACE. CONTRACTOR, AT HIS SOLE EXPENSE, SHALL REPAIR ANY UTILITY SYSTEMS DAMAGED DURING CONSTRUCTION.
- UNLESS NOTED OTHERWISE, ALL DEVICES AND TERMINATIONS SHALL BE RATED FOR 75 DEGREES CELSIUS.
- ALL CONDUCTORS #8 AND SMALLER SHALL BE THIN/THIN CU. ALL CONDUCTORS #6 AND LARGER SHALL BE XHHW-2 CU.
- PER NEC 110.2(A), SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
- PER NEC 110.16, ELECTRICAL EQUIPMENT, SUCH AS SWITCHBOARDS, PANELBOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

KEY NOTES

- (NOTE: THESE NOTES MAY NOT APPEAR ON ALL SHEETS)
- NOT USED
 - PROVIDE LIGHTING CONTROL PANEL, "LCP", IN I-PAC DEDICATED CONTROL SPACE. WATTSTOPPER #UCS-120/277 WITH (4) #LSCP-2 RELAY MODULES.
 - 4 AWG CU BOND TO GROUNDING LUGS ON STEEL BEAMS FOR EACH TRAILER. MODULE PER MANUFACTURER'S & THE AHJ REQUIREMENTS.
 - BRANCH CIRCUIT LOAD CENTER PROVIDED BY MODULAR CLASSROOM MANUFACTURER. SEE MODULAR CLASSROOM SHOP DRAWINGS FOR PANEL SCHEDULE. VERIFY LOCATION & PROVIDE CONNECTION PER VENDOR'S SHOP DRAWINGS.
 - PROVIDED UNDER A#03-12009B.
 - REFER TO SHEET E402 FOR PANEL SCHEDULE.

AGENCY INFORMATION:

AGENCY TRACKING NO. 63321-356
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SEAL

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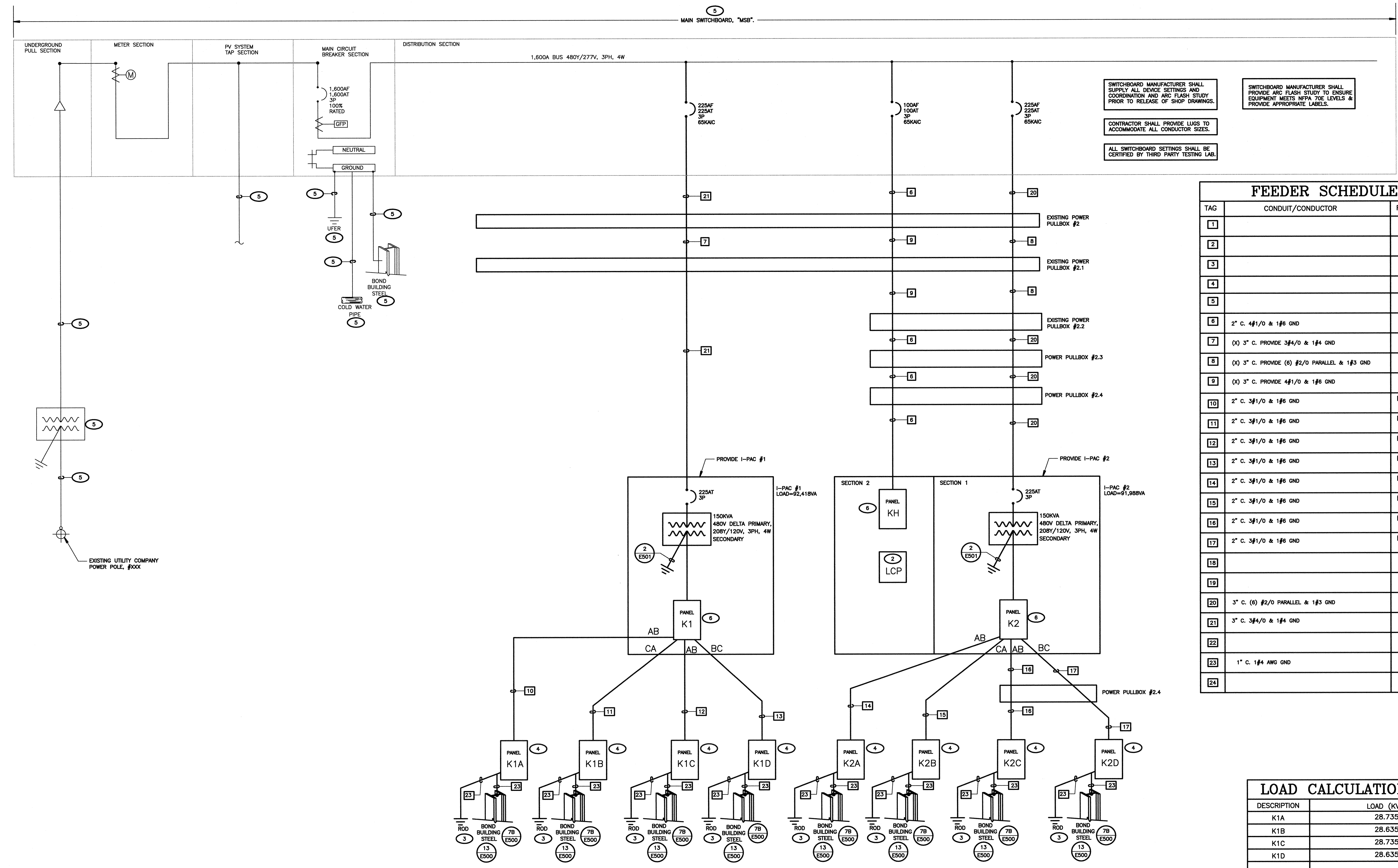
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OPSC or OSHPD PROJ. NO. N/A
PROJECT NO. 118932
DRAWN BY: V.Z.
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SHEET TITLE

PROPOSED SINGLE LINE DIAGRAM

SHEET NUMBER

E401



SWITCHBOARD MANUFACTURER SHALL SUPPLY ALL DEVICE SETTINGS AND COORDINATION AND ARC FLASH STUDY PRIOR TO RELEASE OF SHOP DRAWINGS.

CONTRACTOR SHALL PROVIDE LUGS TO ACCOMMODATE ALL CONDUCTOR SIZES.

ALL SWITCHBOARD SETTINGS SHALL BE CERTIFIED BY THIRD PARTY TESTING LAB.

SWITCHBOARD MANUFACTURER SHALL PROVIDE ARC FLASH STUDY TO ENSURE EQUIPMENT MEETS NEPA 70E LEVELS & PROVIDE APPROPRIATE LABELS.

TAG	CONDUIT/CONDUCTOR	FROM	TO
1			
2			
3			
4			
5			
6	2" C. 4#1/0 & 1#6 GND		
7	(0) 3" C. PROVIDE 3#4/0 & 1#4 GND	MSB	I-PAC #1
8	(0) 3" C. PROVIDE (6) #2/0 PARALLEL & 1#3 GND	MSB	I-PAC #2
9	(0) 3" C. PROVIDE 4#1/0 & 1#6 GND		
10	2" C. 3#1/0 & 1#6 GND	I-PAC #1	PANEL K1A
11	2" C. 3#1/0 & 1#6 GND	I-PAC #1	PANEL K1B
12	2" C. 3#1/0 & 1#6 GND	I-PAC #1	PANEL K1C
13	2" C. 3#1/0 & 1#6 GND	I-PAC #1	PANEL K1D
14	2" C. 3#1/0 & 1#6 GND	I-PAC #2	PANEL K2A
15	2" C. 3#1/0 & 1#6 GND	I-PAC #2	PANEL K2B
16	2" C. 3#1/0 & 1#6 GND	I-PAC #2	PANEL K2C
17	2" C. 3#1/0 & 1#6 GND	I-PAC #2	PANEL K2D
18			
19			
20	3" C. (6) #2/0 PARALLEL & 1#3 GND		
21	3" C. 3#4/0 & 1#4 GND		
22			
23	1" C. 1#4 AWG GND		
24			

DESCRIPTION	LOAD (KVA)
K1A	28.735
K1B	28.635
K1C	28.735
K1D	28.635
TOTAL LOAD =	114.74 KVA
AMPS AT 208Y/120V, 3PH,4W =	319A

DESCRIPTION	LOAD (KVA)
K2A	32.809
K2B	32.665
K2C	32.809
K2D	32.665
TOTAL LOAD =	130.948 KVA
AMPS AT 208Y/120V, 3PH,4W =	364A

1 PROPOSED SINGLE LINE DIAGRAM
SCALE: not to scale

CONSTRUCTION DOCUMENTS