

SYMBOL	IDENTIFICATION
	MOTOR CONNECTION
	GENERATOR CONNECTION
	FUSED DISCONNECT SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE
	NON-FUSED DISCONNECT SWITCH XX/XX = AMP SWITCH/POLES
	JUNCTION BOX; FLOOR/GRADE MOUNTED
	JUNCTION BOX; CEILING MOUNTED
	JUNCTION BOX; WALL MOUNTED
	JUNCTION BOX WITH WHIP-STYLE CONNECTION TO POWERED FURNITURE, POWER AND/OR DATA
	TRANSFORMER; BOTTOM OF T DESIGNATES FRONT SIDE
	PANELBOARD OR TERMINAL CABINET; SURFACE MOUNTED
	PANELBOARD OR TERMINAL CABINET; FLUSH MOUNTED
	TERMINAL CABINET OR CONTROL PANEL; FLUSH MOUNTED
	TERMINAL CABINET OR CONTROL PANEL; FLUSH MOUNTED
	GROUND BUS BAR
	TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	MANUAL TRANSFER SWITCH
	DRAWOUT CIRCUIT BREAKER; RATING AS SHOWN ON PLANS
	STATIONARY - CIRCUIT BREAKER; RATING AS SHOWN ON PLANS
	NON-FUSED DISCONNECT; RATING AS SHOWN ON PLANS
	FUSED DISCONNECT; RATING AS SHOWN ON PLANS
	INVERTER
	GROUNDING POINT
	UTILITY METER
	CUSTOMER METER

SYMBOL	IDENTIFICATION
	LUMINAIRE; CEILING OR SURFACE MOUNTED
	LUMINAIRE; WALL MOUNTED
	AREA POLE WITH MOUNTED LUMINAIRE
	LUMINAIRE ON EMERGENCY POWER
	EXIT SIGN; CEILING MOUNTED; ARROWS AND FACES AS SHOWN ON PLANS
	EXIT SIGN; WALL MOUNTED; ARROWS AND FACES AS SHOWN ON PLANS
	EXIT SIGN WITH DUAL LAMP HEAD
	EMERGENCY FIXTURE; DUAL LAMP HEAD
	STRIP LIGHT

SYMBOL	IDENTIFICATION
	CONDUIT INSTALLED ABOVE FINISHED FLOOR OR GRADE
	CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE
	INDICATES CONDUIT TURNING UP
	INDICATES CONDUIT TURNING DOWN
	CONDUIT STUBBED AND CAPPED
	CONDUIT HOMERUN; ROUTE TO PANELBOARD, CABINET, OR TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE
	CONDUIT AND WIRE. HATCH LINES INDICATE QUANTITY OF UNGROUNDED #12 CONDUCTORS, OR CONDUCTOR SIZE AS NOTED ADJACENT TO HATCH LINES. GROUND CONDUCTOR TO BE PROVIDED SIZED IN ACCORDANCE WITH NEC TABLE 250-122. IF NO HATCH LINES ARE SHOWN, 2#12 & 1#12G CONDUCTORS ARE ASSUMED.

SYMBOL	IDENTIFICATION
	TELEPHONE/DATA OUTLET; PROVIDE 1" C. W/ PULL-STRING TO ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED
	C = CEILING MOUNTED; BACK BOX ONLY FOR FUTURE WAP UNLESS OTHERWISE NOTED
	TELEPHONE OUTLET; PROVIDE 1" C. W/ PULL-STRING TO ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED
	RG-6 COAX OUTLET; PROVIDE 1" C. W/ PULL-STRING TO ACCESSIBLE CEILING SPACE UNLESS OTHERWISE NOTED
	SECURITY CAMERA
	CARD READER
	DOOR LOCK

SYMBOL	IDENTIFICATION
	FEEDER DESIGNATION TAG
	SHEET KEYNOTE TAG
	MECHANICAL EQUIPMENT TAG
	CONTRACTOR EQUIPMENT TAG
	REVISION DELTA WITH REVISION NUMBER
	LETTER INDICATES FIXTURES CONTROL (WHERE SHOWN)
	NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)

SYMBOL	IDENTIFICATION
	20A, 125V, DUPLEX RECEPTACLE OUTLET +18" AFF TO CENTERLINE OF BOX UNLESS OTHERWISE NOTED
	20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET +18" AFF TO CENTERLINE OF BOX UNLESS OTHERWISE NOTED
	SPECIAL PURPOSE RECEPTACLE OUTLET; NEMA CONFIGURATIONS AS SHOWN ON DRAWINGS; 18" AFF TO CENTERLINE OF BOX UNLESS OTHERWISE NOTED
	20A, 125V, SINGLE RECEPTACLE OUTLET; +18" AFF TO CENTERLINE OF BOX UNLESS OTHERWISE NOTED
	A = ABOVE COUNTER C = CEILING MOUNTED G = GFCI S = SWITCHED RECEPTACLE T = TAMPER PROOF U = WITH (2) USB PORTS W = WEATHERPROOF COVER AND GFCI +#" = INCHES ABOVE FINISH FLOOR TO CENTERLINE OF BOX
	20A, 125V, DUPLEX RECEPTACLE OUTLET; FLOOR RECESSED
	20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET; FLOOR RECESSED
	2-COMPARTMENT FLOOR BOX W/ (2) GANG POWER / (2) GANG DATA; PROVIDE 1" C. FROM EACH DATA OUTLET TO ACCESSIBLE CEILING SPACE.
	COMMERCIAL CORD REEL RECEPTACLE; CEILING MOUNTED
	SINGLE POLE SWITCH
	3 = THREE WAY SWITCH 4 = FOUR-WAY SWITCH D = DIMMER SWITCH K = KEY OPERATED SWITCH M = MOTOR RATED SWITCH S = OCCUPANCY SENSOR SWITCH T = INTERVAL TIMER V = VACANCY SENSOR SWITCH W = WEATHERPROOF SWITCH
	EPO PUSH BUTTON
	PUSH BUTTON
	OCCUPANCY LIGHT CONTROL SWITCH; CEILING MOUNTED
	OCCUPANCY LIGHT CONTROL SWITCH; WALL MOUNTED
	C = CORRIDOR PATTERN H = HIGH BAY SENSOR V = VACANCY SENSOR MODE
	COMBINATION OCCUPANCY SENSOR/PHOTOSENSOR
	PHOTOSENSOR; CEILING MOUNTED
	DIMMING PHOTOSENSOR
	ELECTRIC VEHICLE CHARGING STATION

SYMBOL	IDENTIFICATION
	VISIBLE ONLY (STROBE) WALL MOUNTED
	VISIBLE ONLY (STROBE) CEILING MOUNTED
	HORN ONLY AUDIBLE APPLIANCE SOUNDER TO USE TEMPORAL 3 PATTERN WALL MOUNTED
	SPEAKER ONLY WALL MOUNTED
	HORN/STROBE VISUAL & AUDIBLE APPLIANCE SOUNDER TO USE TEMPORAL 3 PATTERN. WALL MOUNTED
	SPEAKER/STROBE VISUAL & AUDIBLE APPLIANCE WALL MOUNTED
	MINI-HORN AUDIBLE APPLIANCE SOUNDER TO USE LOW FREQUENCY OF 520HZ WALL MOUNTED

ABBRV.	IDENTIFICATION	ABBRV.	IDENTIFICATION
A	AMPERES	LCP	LIGHTING CONTROL PANEL
AC	ALTERNATING CURRENT	LED	LIGHT EMITTING DIODE
AIC	AMPS INTERRUPTING CURRENT	LGT	LIGHTING
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MCB	MAIN CIRCUIT BREAKER
AF	FRAME RATING IN AMPERES	MCC	MOTOR CONTROL CENTER
AFF	ABOVE FINISH FLOOR	MDF	MAIN DISTRIBUTION FRAME
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
AWG	AMERICAN WIRE GAUGE	MTS	MANUAL TRANSFER SWITCH
AS	SWITCH RATING IN AMPERES	NC	NORMALLY CLOSED
AT	TRIP RATING IN AMPERES	NEC	NATIONAL ELECTRIC CODE
ATS	AUTOMATIC TRANSFER SWITCH	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
AV	AUDIO VISUAL	NIC	NOT INCLUDED IN CONTRACT
C	CONDUIT	NO	NORMALLY OPEN
CATV	CABLE TELEVISION	NTS	NOT TO SCALE
CB	CIRCUIT BREAKER		
CCTV	CLOSED CIRCUIT TELEVISION	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	P	POLE
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	PH	PHASE
CL	CENTERLINE	PRI	PRIMARY
CO	CONDUIT ONLY	PV	PHOTOVOLTAIC
CONN	CONNECTED	PVC	POLYVINYL CHLORIDE CONDUIT
CT	CURRENT TRANSFORMER	(R)	RELOCATE EXISTING
CU	COPPER	RECPT	RECEPTACLE
DC	DIRECT CURRENT	(RR)	REMOVE AND REPLACE IN PLACE WITH NEW
(E)	EXISTING TO REMAIN	RSC	RIGID STEEL CONDUIT
ELEV	ELEVATOR	SEC	SECONDARY
EM	EMERGENCY / STANDBY POWER	SPD	SURGE PROTECTION DEVICE
EMT	ELECTRO METALLIC TUBING	TC	TERMINAL CABINET
EV	ELECTRICAL VEHICLE	TEL	TELEPHONE
(F)	FUTURE	TTB	TERMINAL BACKBOARD
FA	FIRE ALARM	TYP	TYPICAL
FACP	FIRE ALARM CONTROL PANEL	UL	UNDERWRITER LABORATORIES
G	GROUND FAULT CIRCUIT INTERRUPTER	UON	UNLESS OTHERWISE NOTED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	V	VOLTAGE
GND	GROUND	VFD	VARIABLE FREQUENCY DRIVE
HID	HIGH INTENSITY DISCHARGE	W	WEATHERPROOF
HP	HORSEPOWER	WAP	WIRELESS ACCESS POINT
HZ	HERTZ	W/	WITH
IDF	INTERMEDIATE DISTRIBUTION FRAME	W/O	WITHOUT
IG	ISOLATED GROUND	(X)	REMOVE EXISTING
KV	KILOVOLT	XFMR	TRANSFORMER
KVA	KILOVOLT AMPERE	XP	EXPLOSION PROOF
KW	KILOWATT		

LEGEND NOTES	
A.	ALL SYMBOLS MAY NOT BE USED IN THIS PROJECT
B.	SYMBOLS DO NOT ALWAYS REPRESENT REAL LIFE DIMENSIONS
C.	SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION
D.	MOUNTING HEIGHTS OF DEVICES SHALL BE AS NOTED IN THE LEGEND FOR THE RESPECTIVE SYMBOL, UON ON FLOOR PLANS OR AS REQUIRED PER ADA REQUIREMENTS.

GENERAL ELECTRICAL NOTES:	
1.	SCOPE OF WORK: A. BID PACKAGE INCLUDES NEW DESIGN-BUILD COMMUNICATIONS / DATA STRUCTURED CABLE SYSTEM. SEE DRAWINGS FOR RACEWAY/PATHWAYS AND ROUGH-IN LOCATIONS. CONTRACTOR TO PROVIDE ALL LOW VOLTAGE CABLING, EQUIPMENT AND IDF BUILD-OUT, AND TEST, TERMINATE, AND LABEL ALL CABLING. HEAD END EQUIPMENT IN IDF PROVIDED BY OWNER. CONTRACTOR TO COORDINATE WITH OWNER TO DETERMINE BUILD-OUT AND SYSTEM REQUIREMENTS. B. BID PACKAGE INCLUDES NEW DESIGN-BUILD SECURITY, CCTV, AND ACCESS CONTROL. SEE DRAWINGS FOR RACEWAY/PATHWAYS AND ROUGH-IN LOCATIONS. C. DIVISION 26 CONTRACTOR TO COORDINATE FINAL EQUIPMENT CONNECTION TYPE FOR OFOI AND OFCI EQUIPMENT. D. REFER TO LOW-VOLTAGE DIVISION OF RESPONSIBILITY MATRIX FOR ADDITIONAL INFORMATION.
2.	REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE RATED WALLS, FLOORS, CEILINGS, ETC. PROVIDE FIRE RATED PENETRATIONS AT THESE LOCATIONS.
3.	REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT AND ADDITIONAL CONTROL REQUIREMENTS. CONNECTION REQUIREMENTS TO ALL EQUIPMENT TO BE VERIFIED WITH APPROVED SUBMITTALS / SHOP DRAWINGS.
4.	FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE INSTALLED ON A 3" HIGH CONCRETE HOUSEKEEPING PAD.
5.	VERIFY DEVICE MOUNTING HEIGHT AND ORIENTATION (VERTICAL OR HORIZONTAL) WITH ARCHITECTURAL AND INTERIOR DESIGN DRAWINGS AND ELEVATIONS.
6.	DISCONNECT SWITCHES TO BE SIZED AT MINIMUM TO MATCH THE BREAKER SIZE OF THE RESPECTIVE BRANCH CIRCUIT BEING FED.
7.	RACEWAY SYSTEMS AND CONDUIT ROUTING SHOWN ON ELECTRICAL DRAWINGS IS DIAGRAMMATIC IN NATURE AND TO SHOW THE DESIGN INTENT OF CONDUIT INFRASTRUCTURE REQUIREMENTS. ACTUAL LOCATION AND ROUTING OF ALL CONDUIT RACEWAYS SHALL BE DETERMINED BY CONTRACTOR TO SUIT FIELD CONDITIONS. CONTRACTOR TO PROVIDE PULL STRINGS IN ALL LOW VOLTAGE SYSTEM CONDUITS AND ALL SPARE CONDUITS.
9.	PROVIDE DEDICATED NEUTRAL FOR EACH NEW CIRCUIT. HOME RUN CONDUCTORS MAY BE COMBINED INTO ONE CONDUIT. NO RACEWAY OR CABLE SHALL CONTAIN MORE THAN NINE (9) CURRENT CARRYING CONDUCTORS.
10.	BRANCH CIRCUITS TO BE SIZED FOR MAXIMUM 3% VOLTAGE DROP. PROVIDE #10 AWG CONDUCTORS FOR 20 AMPERE, 120V BRANCH CIRCUITS LONGER THAN 75' AND #8 AWG CONDUCTORS FOR 20 AMPERE, 120V BRANCH CIRCUITS LONGER THAN 120'. PROVIDE #10 AWG CONDUCTORS FOR 20 AMPERE, 277V BRANCH CIRCUITS LONGER THAN 200'. PROVIDE DEDICATED NEUTRAL TO EACH BRANCH CIRCUIT PER NEC 210.4.
11.	

ELECTRICAL SHEET KEY	
SHEET NUMBER	DESCRIPTION
E001	LEGEND
E002	LUMINAIRE SCHEDULE AND LIGHTING MATRIX
E100	SITE PLAN
E211	FIRST FLOOR - SECTOR A - LIGHTING
E212	FIRST FLOOR - SECTOR B - LIGHTING
E311	FIRST FLOOR - SECTOR A - POWER AND DATA
E312	FIRST FLOOR - SECTOR B - POWER AND DATA
E331	ROOF LEVEL - POWER AND DATA
E401	ENLARGED PLANS
E501	ONE LINE DIAGRAM
E601	SCHEDULES
E602	PANELBOARD SCHEDULES
E603	PANELBOARD SCHEDULES

BID AND PERMIT SET

KCC CHILDCARE LEARNING CENTER

PROJECT # - 20230862
KLAMATH COMMUNITY COLLEGE
7390 S. 6TH ST.
KLAMATH FALLS, OR 97603

SHEET TITLE:

LEGEND

REVISIONS:

DESCRP. DATE

ISSUE DATE: 08/01/2025

E001

REGISTERED PROFESSIONAL ENGINEER
OREGON
SEP 10, 2024
JOHN TORRANCE
10827PE
EXPIRES: 06/30/2026

COLEBREIT ENGINEERING
OREGON / CALIFORNIA

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION / MOUNTING	FINISH	LISTINGS	LAMPS	DRIVER	WATTS	MANUFACTURER	MODEL	NOTES
E1	EXIT SIGN	WHITE	DAMP	120V, LED	NON-DIMMING	3	ISOLITE	LPX-AC-G-U-WH-MTEBP-XX	VERIFY FACES AND ARROWS WITH LIGHTING PLANS.
P1A	DECORATIVE PENDANT	JET BLACK	ETL, WET	120V, LED	0-10V DIMMING 10%	34	COOPER LIGHTING	PRLX-235-930-LL5-C-U-S-BRSS-LF	COORDINATE SHADE COLOR WITH ARCHITECT.
P1B	DECORATIVE PENDANT	JET BLACK	ETL, WET	120V, LED	0-10V DIMMING 10%	34	COOPER LIGHTING	PRLX-235-930-LL5-C-U-S-ENGR-LF	COORDINATE SHADE COLOR WITH ARCHITECT.
P1C	DECORATIVE PENDANT	JET BLACK	ETL, WET	120V, LED	0-10V DIMMING 10%	34	COOPER LIGHTING	PRLX-235-930-LL5-C-U-S-MEGR-LF	COORDINATE SHADE COLOR WITH ARCHITECT.
R22H	2'x2' RECESSED VOLUMETRIC LUMINAIRE. HIGH OUTPUT. SELECTABLE CCT. SELECTABLE LUMEN OUTPUT. WAVESTRE	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	26	METALUX	22SRC-SCT3-UNV-SERIES	VERIFY COLOR TEMPERATURE WITH OWNER. SET OUTPUT TO STANDARD
R24H	2'x4' RECESSED VOLUMETRIC LUMINAIRE. HIGH OUTPUT. SELECTABLE CCT. SELECTABLE LUMEN OUTPUT. WAVESTRE	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	37	METALUX	24SRC-SCT3-UNV-SERIES	VERIFY COLOR TEMPERATURE WITH OWNER. SET OUTPUT TO HIGH
R24S	2'x4' RECESSED VOLUMETRIC LUMINAIRE. STANDARD OUTPUT. SELECTABLE CCT. SELECTABLE LUMEN OUTPUT. WAVESTRE	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	30	METALUX	24SRC-SCT3-UNV-SERIES	VERIFY COLOR TEMPERATURE WITH OWNER. SET OUTPUT TO STANDARD
R24V	2'x4' RECESSED VOLUMETRIC LUMINAIRE. VERY HIGH OUTPUT. SELECTABLE CCT. SELECTABLE LUMEN OUTPUT. WAVESTRE	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	53	METALUX	24SRC-SCT3-UNV-SERIES	VERIFY COLOR TEMPERATURE WITH OWNER. SET OUTPUT TO VERY HIGH
RC4	RECESSED 4" DOWNLIGHT. SELECTABLE LUMEN OUTPUT FROM 500-1000LM. SELECTABLE CCT FROM 2700-5000K. CLEAR SPECULAR REFLECTOR WITH MEDIUM DISTRIBUTION.	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	13	HALO COMMERCIAL	HCD4MFR-HCDJB-L5S10-CS-D-HCD4T-R-C SERIES	VERIFY COLOR TEMPERATURE WITH OWNER
RL4W	RECESSED 8FT LINEAR WALL WASH FIXTURE BOOSTED OUTPUT.	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	37	FINELITE	HP-4-R-WW-D-8-B-830-DSO-96LG-12 0-SC-FC-10%-C3-FE-SW	VERIFY COLOR TEMPERATURE WITH OWNER
S24H	2'x4' SURFACE VOLUMETRIC LUMINAIRE. HIGH OUTPUT. SELECTABLE CCT. SELECTABLE LUMEN OUTPUT. WAVESTRE	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	37	METALUX	24SRC-SCT3-UNV-SERIES MOUNTING: SK-24-WT	VERIFY COLOR TEMPERATURE WITH OWNER. SET OUTPUT TO HIGH
SL4	SURFACE MOUNTED 4FT LINEAR LENSED LUMINAIRE.	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	26	CORELITE	CB3-0U-055D-830-1-D-UNV-STD-W-S U-4 SERIES	VERIFY COLOR TEMPERATURE WITH OWNER
V25	25" WALL MOUNTED VANITY LUMINAIRE. FIXTURE MOUNTED 6'-6" A.F.F.	BRUSHED NICKEL	DAMP	120V, LED	0-10V DIMMING 10%	20	SHAPER	605-25-W-L3/830-UNV-MW-	VERIFY COLOR TEMPERATURE WITH OWNER
WSL4	4' LINEAR WALL WRAP 4000 LUMEN OUTPUT, 3000K COLOR TEMPERATURE. FIXTURE MOUNTED 9'-6" A.F.F.	MATTE WHITE	WET	120V, LED	0-10V DIMMING 10%	35	METALUX	4-BCLED-LD4-405L-F-UNV-GL-L830-C D	VERIFY COLOR TEMPERATURE WITH OWNER
XP18A	18FT POLE MOUNTED AREA LIGHT ON 2FT BASE. INTEGRAL WAVELINX DAYLIGHT/OCCUPANCY SENSOR. TYPE II WIDE DISTRIBUTION.	VERIFY	WET	UNV, LED	ASTRO-TIMECLOCK/DAYLIGHT SENSOR	57	MCGRAW EDISON	GALN-SB2A-830-U-T4W-BK-WPS4XX SERIES	BUG RATING B=1-U=0 G=1
XP18B	18FT POLE MOUNTED AREA LIGHT ON 2FT BASE. INTEGRAL WAVELINX DAYLIGHT/OCCUPANCY SENSOR. TYPE IV WIDE DISTRIBUTION.	VERIFY	WET	UNV, LED	ASTRO-TIMECLOCK/DAYLIGHT SENSOR	57	MCGRAW EDISON	GALN-SB2A-830-U-T2-BK-WPS4XX SERIES	BUG RATING B=1-U=0 G=1
XSR6	EXTERIOR SURFACE MOUNT 6" DOWNLIGHT. SELECTABLE LUMEN OUTPUT FROM 750-1200LM. SELECTABLE CCT FROM 2700-5000K. CLEAR SPECULAR REFLECTOR WITH MEDIUM DISTRIBUTION.	WHITE	DAMP	120V, LED	0-10V DIMMING 10%	14	COOPER HALO	SMX6RLSF5010	VERIFY COLOR TEMPERATURE AND FINISH WITH OWNER
XWS	EXTERIOR WALL MOUNTED LUMINAIRE.	VERIFY	IP66	120V, LED	0-10V DIMMING 10%	17	KIM LIGHTING	CY1-15-3K8-1-2-UNV-XXX-F-FPP-PCU	VERIFY COLOR TEMPERATURE AND FINISH WITH OWNER
XWSA	EXTERIOR WALL MOUNTED LUMINAIRE.	VERIFY	IP66	120V, LED	0-10V DIMMING 10%	17	LITHONIA LIGHTING	ARC1 LED P2 30K MVOLT DBLXD	VERIFY COLOR TEMPERATURE AND FINISH WITH OWNER

LIGHTING CONTROL MATRIX: SPACE BY SPACE			
ROOM TYPE	TYPE OF CONTROLS	CONTROL FUNCTIONS	PRODUCT BASIS OF DESIGN
LOBBY	WALL SWITCH DAYLIGHT / OCCUPANCY SENSOR	MANUAL ON / OFF AND DIMMING VIA WALL SWITCH, AUTO ON / OFF VIA OCCUPANCY / DIMMING DAYLIGHTING SENSOR, EGRESS LIGHTING STAYS ON UPON LOSS OF POWER VIA UL924 RELAY	ILC DIMMER # #LSG3, #LSCS-20 OCUPNANCY SENSOR, #R20D-EM EMERGENCY LIGHTING INTERFACE PACK
CORRIDORS AND STAIRS	OCCUPANCY/PHOTO SENSOR, HALLWAY DISTRIBUTION DIMMER DIMMER, OCCUPANCY SENSOR	AUTO ON / 50% DIM VIA WALL MOUNTED OCCUPANCY SENSOR, DAYLIGHTING CONTROLLED VIA WALL MOUNTED PHOTOCELL EGRESS LIGHTING STAYS ON UPON LOSS OF POWER VIA UL924 RELAY	ILC DIMMER # #LSG3, #ILC-SWX-400-1 WALL MOUNTED OCUPNANCY SENSOR WITH PHOTOCELL CONTROLS, #R20D-EM EMERGENCY LIGHTING INTERFACE PACK
CLASSROOMS	OCCUPANCY SENSOR, DIMMER SWITCH, PARTITION CONTROLLERS AND POWER PACKS	MANUAL DIM DIMMER SWITCH, OCCUPANCY SENSOR TO TURN OFF LIGHTS AFTER 30 MINUTES OF NO OCCUPANCY, EGRESS LIGHTING STAYS ON UPON LOSS OF POWER VIA #R20DEM POWER PACK	ILC #LSG3 DIMMER, LSC-20 CEILING MOUNTED OCCUPANCY SENSOR, #R20D-EM EMERGENCY LIGHTING INTERFACE PACK, #EVO-TC PARTITION DIVIDER.
OFFICES	WALL SWITCH, PARTIAL ON, OCCUPANCY SENSOR	MANUAL ON / OFF AND DIMMING VIA WALL SWITCH, AUTO ON TO 50% OUTPUT AND AUTO OFF VIA OCCUPANCY SENSOR	ILC DIMMER SWITCH #LSG3, OCCUPANCY SNEsor # LSCS-06, R20D POWER PACK
STORAGE AND JANITOR	SENSOR SWITCH	SAFETY EXEMPTION FROM ASHRAE 9.4.1.1(b) (MANUAL ON) TO MINIMIZE SHARED HAND CONTACT WITH PUBLIC SURFACES, AUTO ON / OFF VIA SENSOR SWITCH	ILC PART #ILC-1-0-1-WH
PUBLIC RESTROOM	SENSOR SWITCH	AUTO ON / OFF VIA SENSOR SWITCH	ILC PART #ILC-1-0-1-WH
MECH / ELEC / MDF	STANDARD TOGGLE SWITCH	MANUAL ON / OFF VIA TOGGLE SWITCH	LEVITON 5601-2W
BUILDING MOUNTED EXTERIOR	MOTION / PHOTOSENSOR	AUTO ON/ OFF VIA PHOTOCELL / INTEGRAL MOTION SENSOR	ILC SENSOR # #WPS2
SITE	INTERGRATED SENSOR WITH NETWORK TIE IN DEVICE	AUTO ON/ OFF VIA PHOTOCELL / INTEGRAL MOTION SENSOR	ILC SENSOR # #WPS4, WAC2-POE-OUT-EN
NOTES: 1. SELECT AND PROVIDE QUANTITY OF UL 924 RELAYS AS REQUIRED IN EACH SPACE FOR EGRESS LIGHTING FUNCTIONALITY. 2. PROVIDE QUANTITY OF POWER PACKS AND OTHER LIGHTING CONTROL ACCESSORIES REQUIRED FOR FUNCTIONALITY DESCRIBED.			

BID AND PERMIT SET

KCC CHILDCARE LEARNING CENTER

PROJECT # - 20230862
KLAMATH COMMUNITY COLLEGE
7390 S. 6TH ST.
KLAMATH FALLS, OR 97603

REGISTERED PROFESSIONAL ENGINEER
JOHN TORRANCE
SEP 10, 2024
108827PE
OREGON

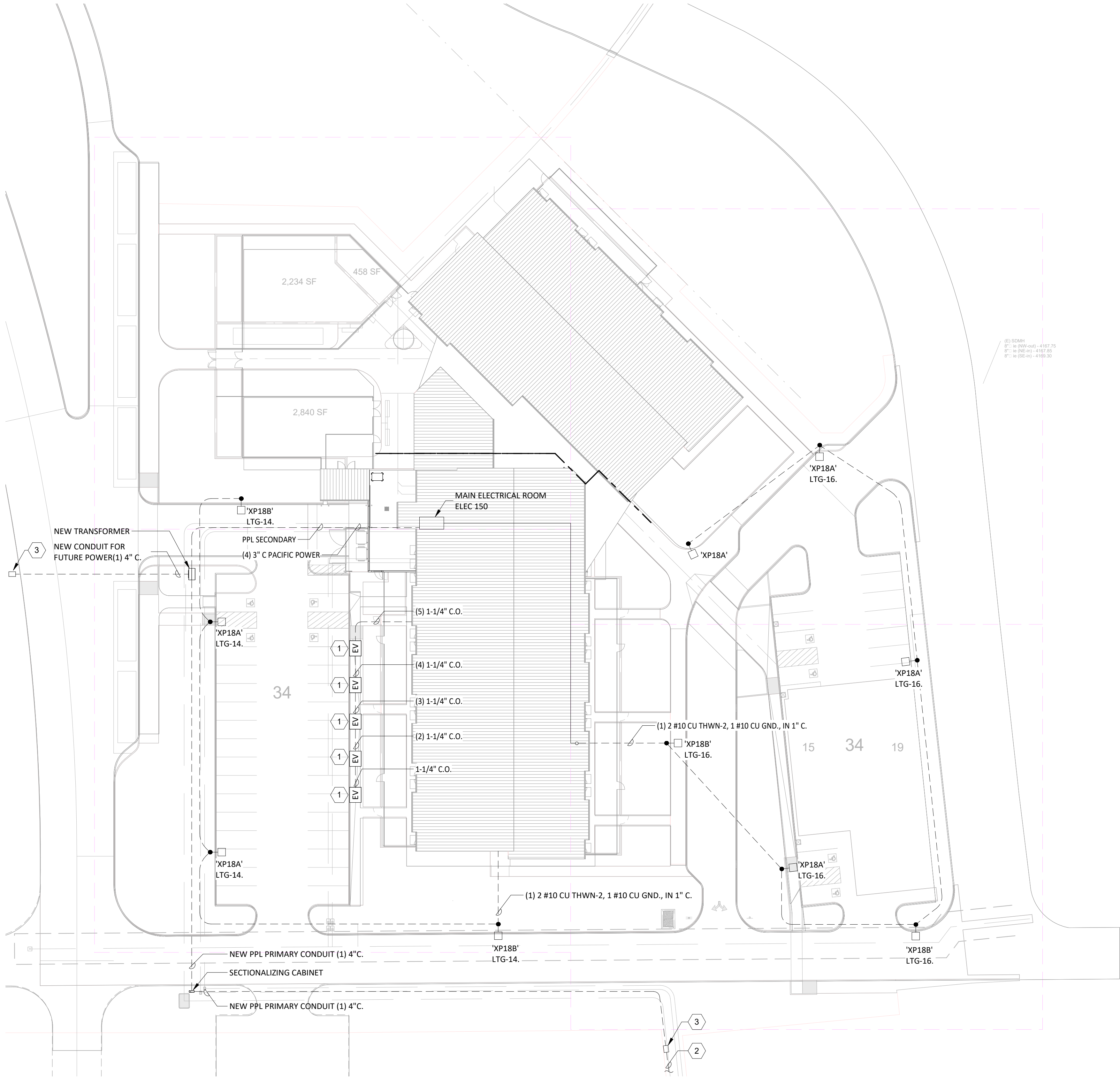
EXPRES: 06/30/2026

SHEET TITLE:
LUMINAIRE SCHEDULE AND LIGHTING MATRIX

REVISIONS:
DESCRP. DATE

ISSUE DATE: 08/01/2025

E002



KEY NOTES

1. PROVIDE PRECAST CONCRETE CHARGER FOUNDATION PULLBOX WITH COVER PLATE FOR FUTURE 40A TYPE II DUAL PORT EV CHARGER.
2. ROUTE NEW CONDUIT TO EXISTING ELECTRICAL PULLBOX. PULL NEW CONDUIT AND TRENCH TO NEW CHRISTY N36 UTILITY BOX.
3. PROVIDE NEW N40 UTILITY BOX WITH CONCRETE LID LABELED "ELECTRICAL".



COLEBREIT
ENGINEERING
OREGON CALIFORNIA

BID AND PERMIT SET
KCC CHILDCARE LEARNING
CENTER

PROJECT #: 20230862
KLAMATH COMMUNITY COLLEGE
7390 S. 6TH ST.
KLAMATH FALLS, OR
97603

SHEET TITLE:
SITE PLAN

REVISIONS:		
#	DESCRP.	DATE

ISSUE DATE: 08/01/2025

E100

#

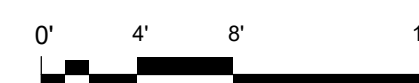
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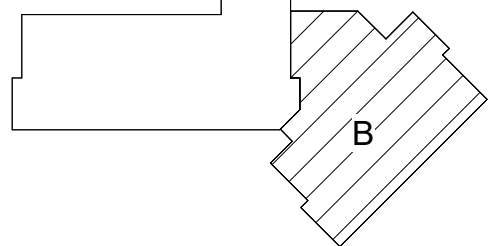
COMMONS

102

K

1
E211

$$1/8'' = 1'-0''$$


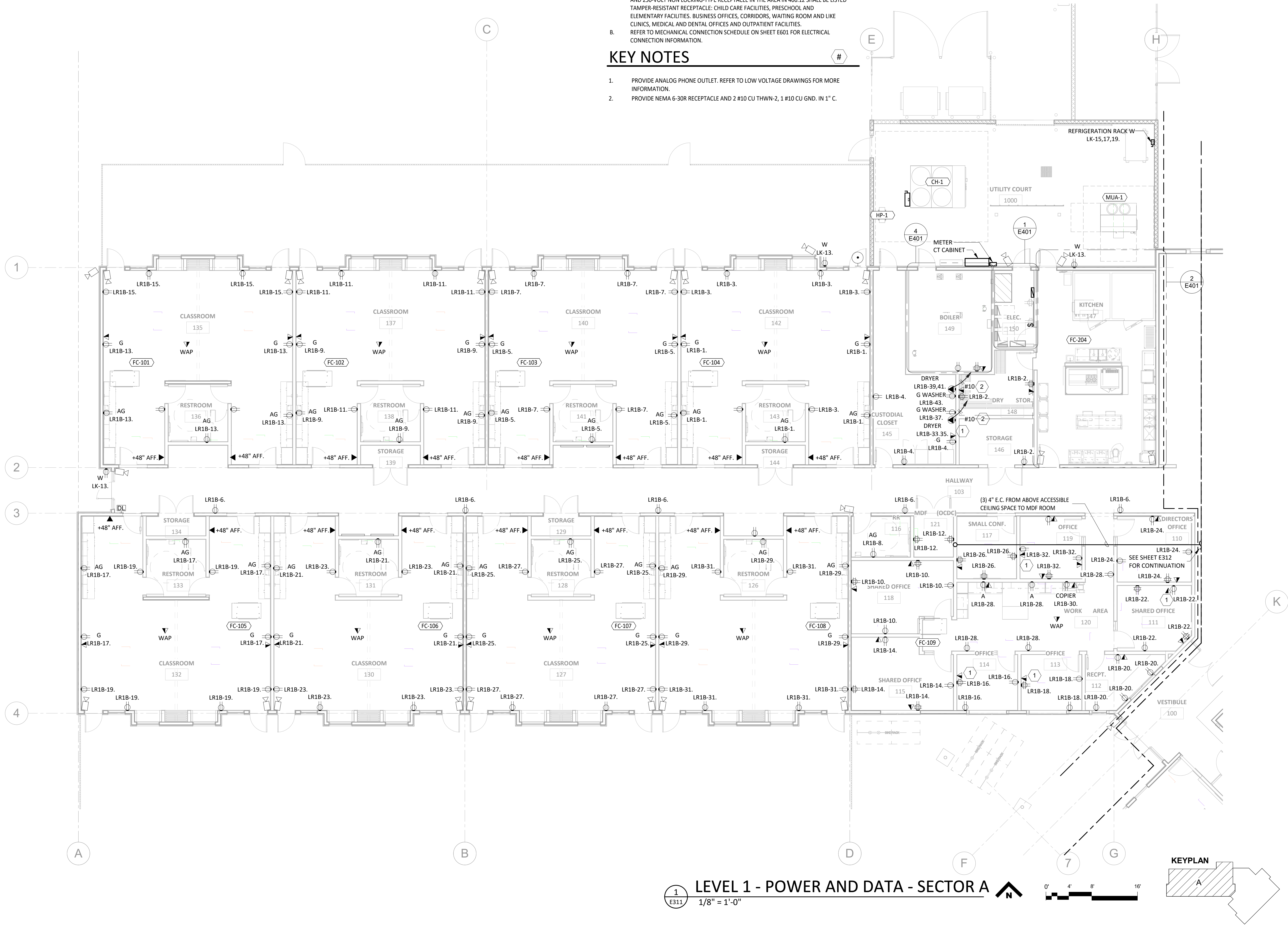


GENERAL ELECTRICAL NOTES:

- A. PER NEC 406.12 TAMPER-RESISTANT RECEPTACLES FOR ALL 15 - AND 20 AMPERE, 125 - AND 250-VOLT NON LOCKING-TYPE RECEPTACLE IN THE AREA IN 406.12 SHALL BE LISTED TAMPER-RESISTANT RECEPTACLE: CHILD CARE FACILITIES, PRESCHOOL AND ELEMENTARY FACILITIES, BUSINESS OFFICES, CORRIDORS, WAITING ROOM AND LIKE CLINICS, MEDICAL AND DENTAL OFFICES AND OUTPATIENT FACILITIES.
- B. REFER TO MECHANICAL CONNECTION SCHEDULE ON SHEET E601 FOR ELECTRICAL CONNECTION INFORMATION.

KEY NOTES

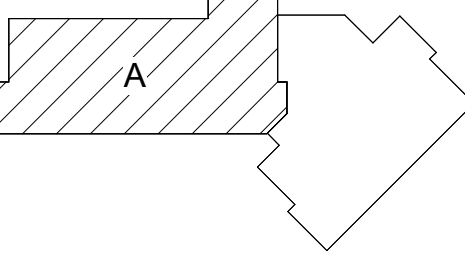
1. PROVIDE ANALOG PHONE OUTLET. REFER TO LOW VOLTAGE DRAWINGS FOR MORE INFORMATION.
2. PROVIDE NEMA 6-30R RECEPTACLE AND 2 #10 CU THWN-2, 1 #10 CU GND. IN 1" C.

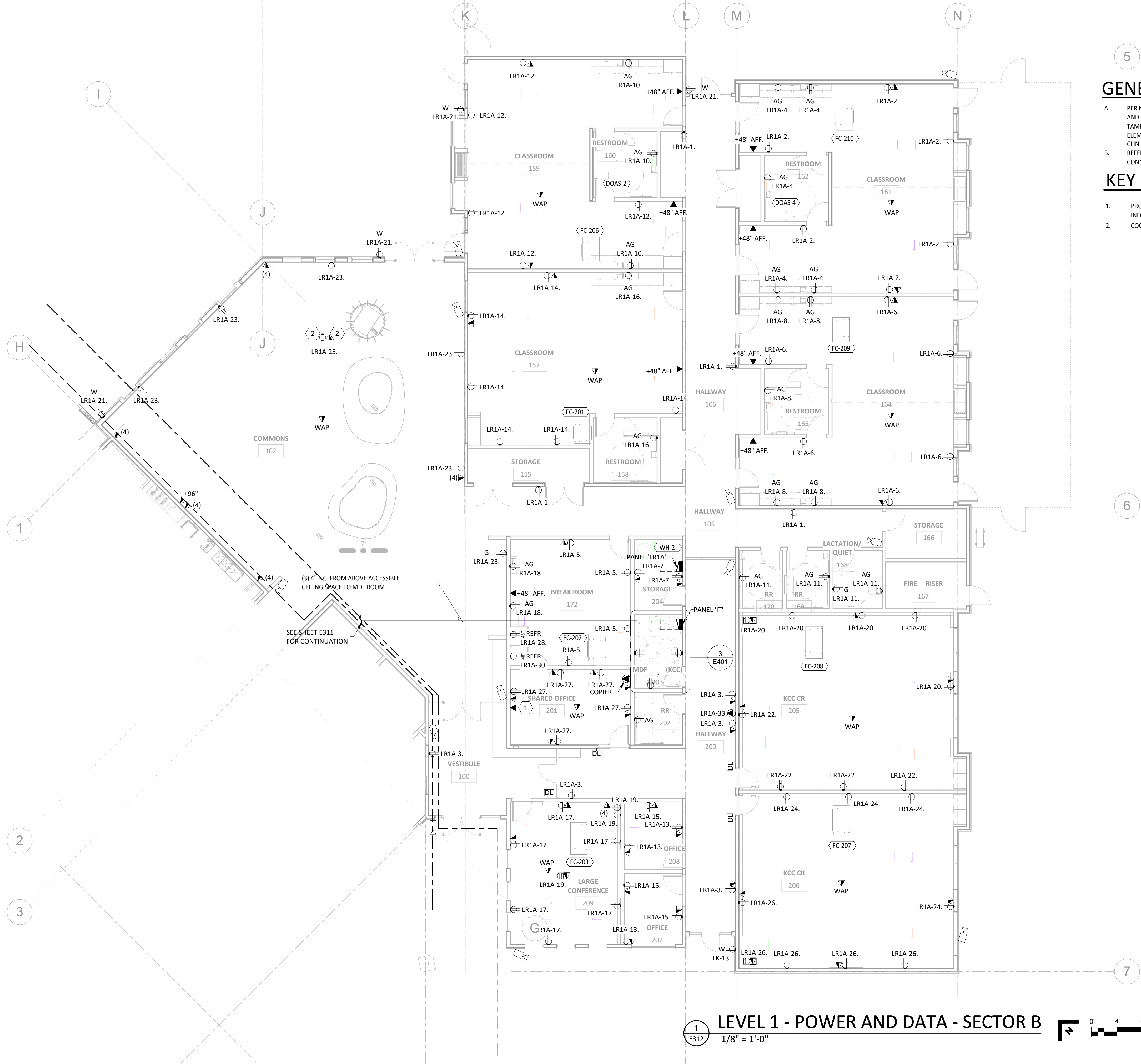


1 E311 LEVEL 1 - POWER AND DATA - SECTOR A
1/8" = 1'-0"



KEYPLAN



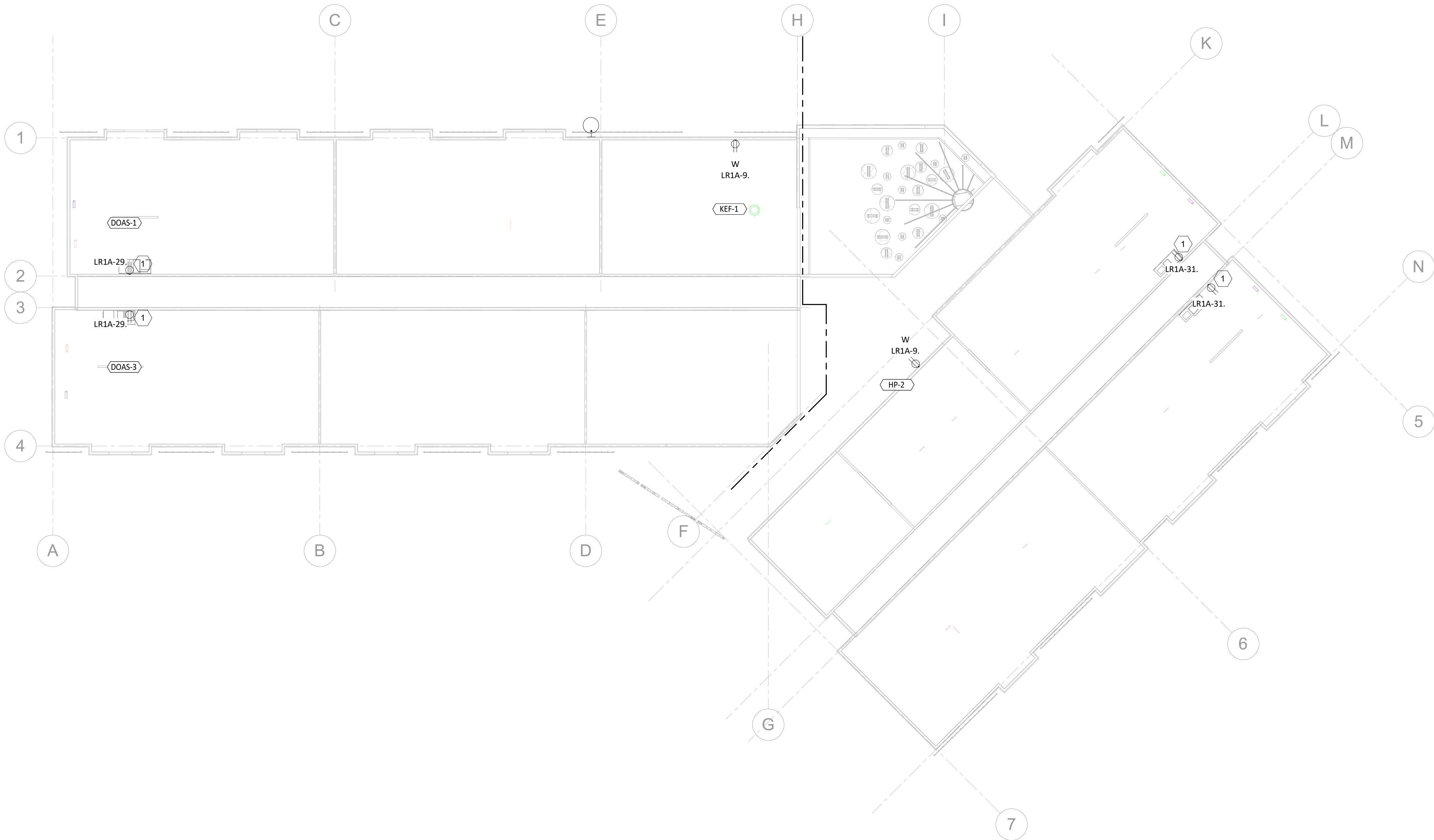


GENERAL ELECTRICAL NOTES:

- PER NEC 406.12 TAMPER-RESISTANT-RECEPTACLES FOR ALL 15 - AND 20 AMPERE, 125 - AND 250-VOLT NON LOCKING-TYPE RECEPTACLE IN THE AREA IN 406.12 SHALL BE LISTED TAMPER-RESISTANT RECEPTACLE: CHILD CARE FACILITIES, PRESCHOOL AND ELEMENTARY FACILITIES, BUSINESS OFFICES, CORRIDORS, WAITING ROOM AND LIKE CLINICS, MEDICAL AND DENTAL OFFICES AND OUTPATIENT FACILITIES.
- REFER TO MECHANICAL CONNECTION SCHEDULE ON SHEET E601 FOR ELECTRICAL CONNECTION INFORMATION.

KEY NOTES

- PROVIDE ANALOG PHONE OUTLET. REFER TO LOW VOLTAGE DRAWINGS FOR MORE INFORMATION.
- COORDINATE WITH OWNER FOR NEW PROJECTOR LOCATION.

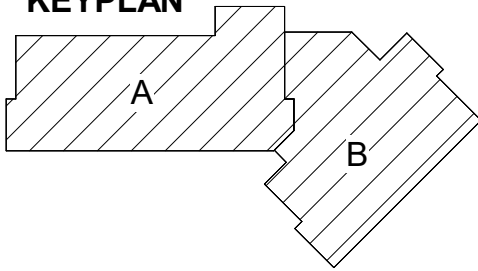


1
E331

ROOF - POWER AND DATA PLAN

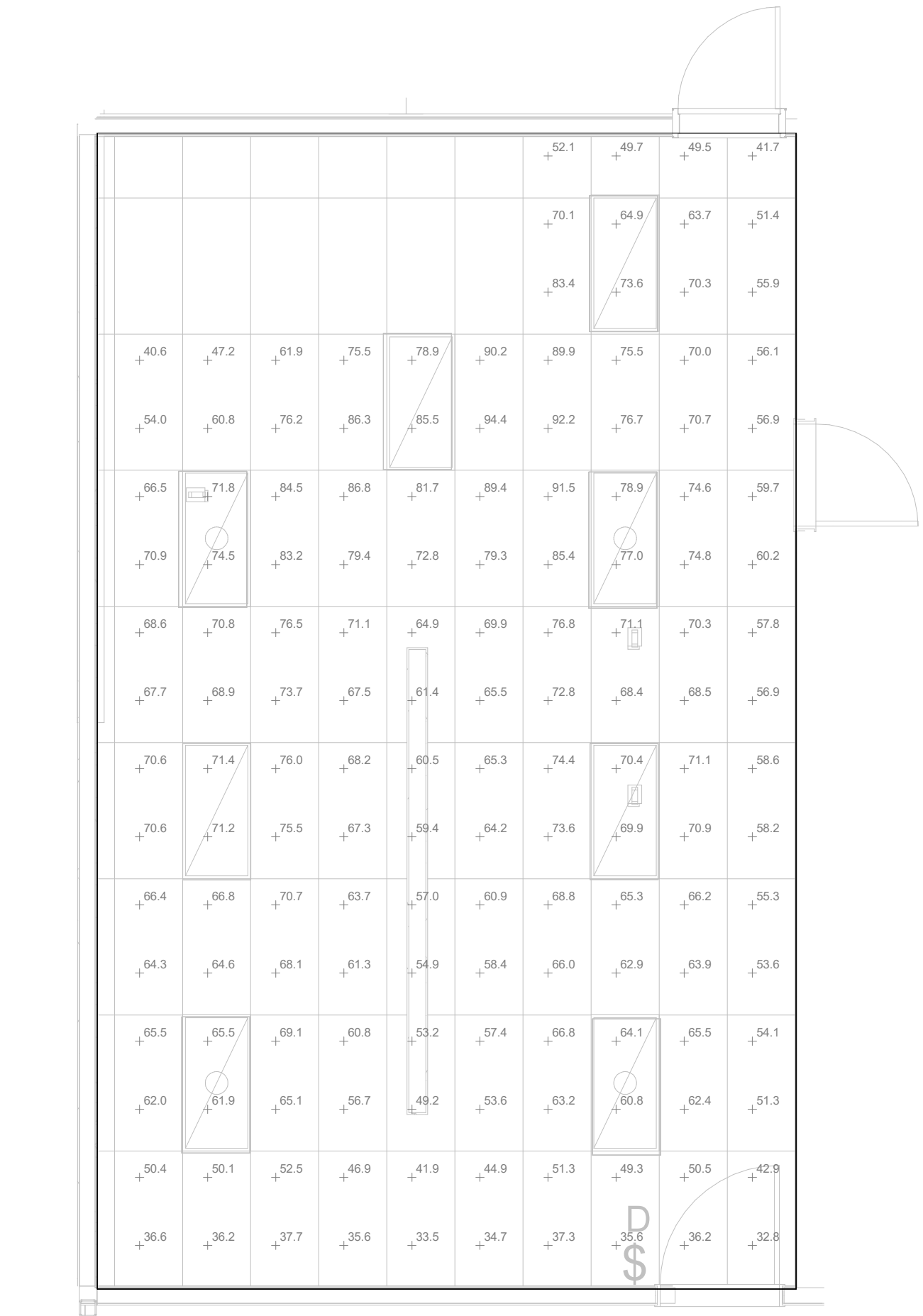
1/16" = 1'-0"

KEYPLAN

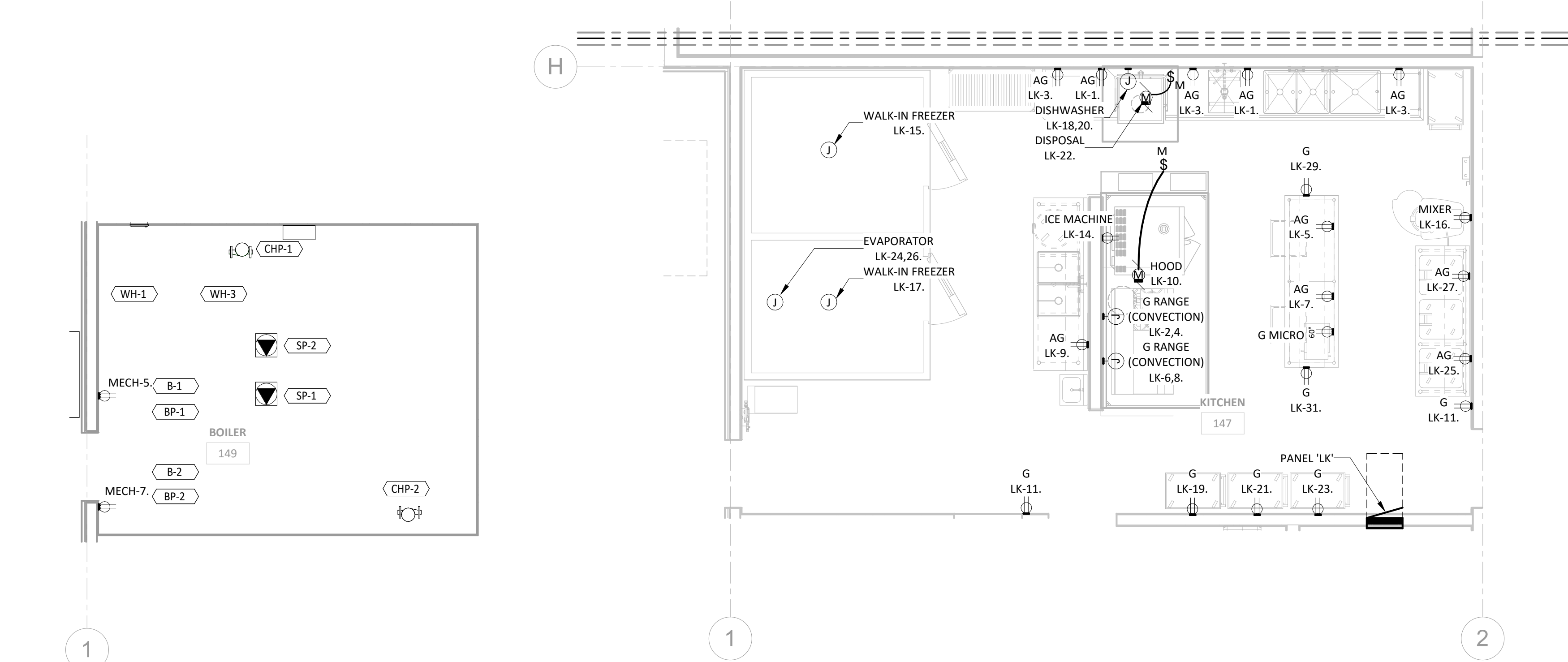


KEY NOTES

1. PROVIDE MAINTENANCE RECEPTACLE IN INTERSTITIAL CEILING SPACE FOR EASY ACCESS MAINTENANCE.

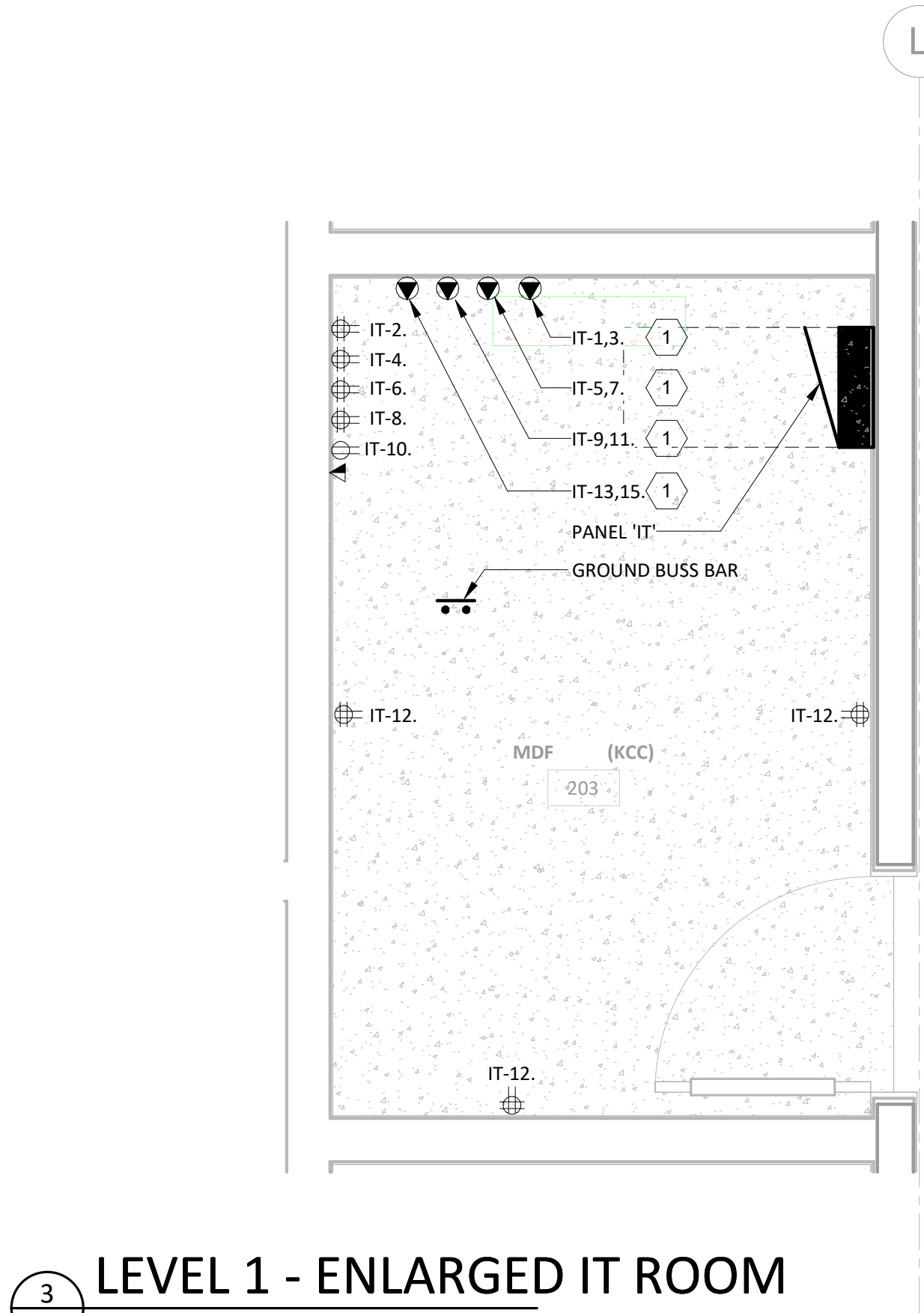


5
E401 KITCHEN PHOTOMETRICS
1/4" = 1'-0"

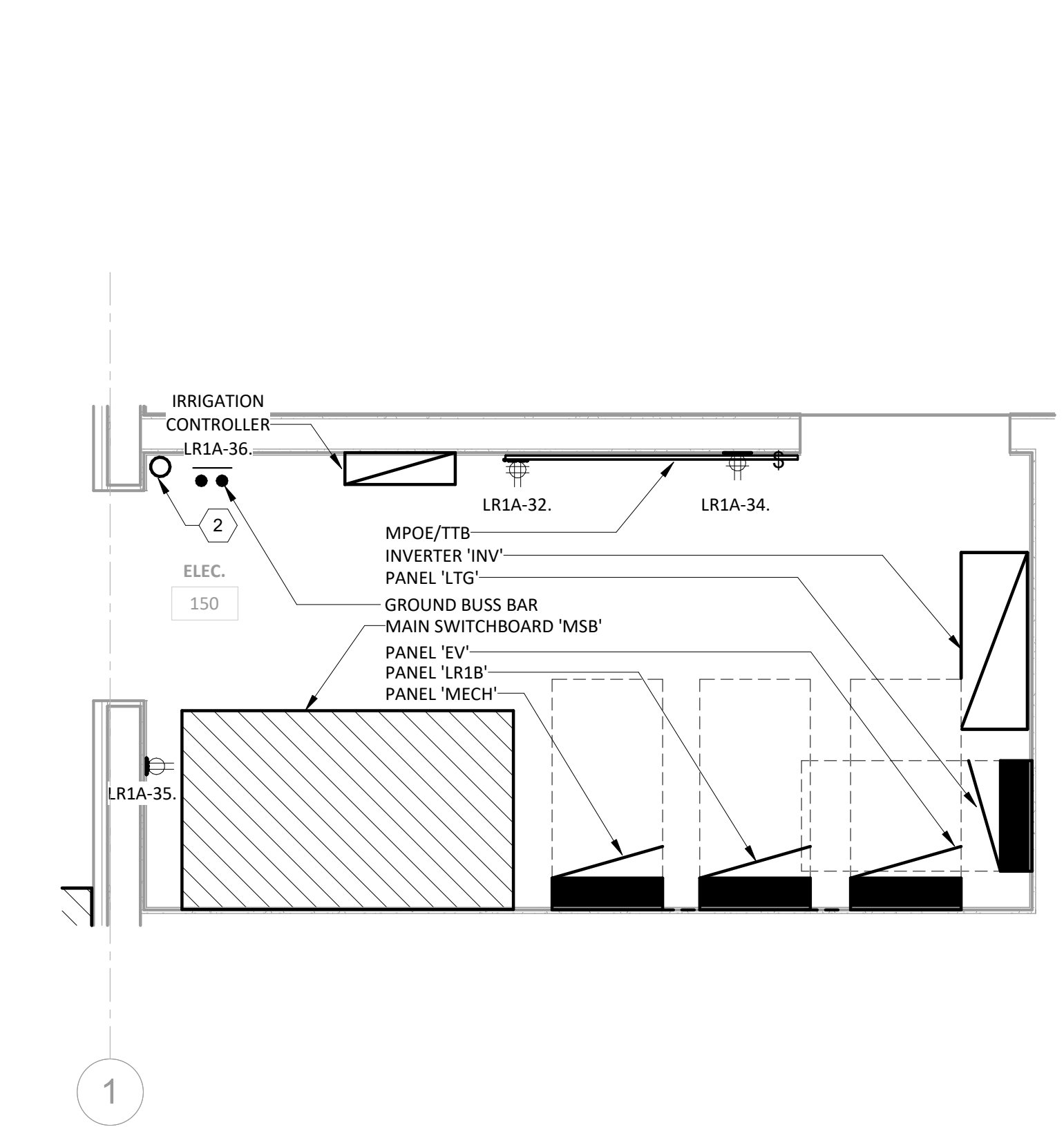


4
E401 LEVEL 1 - ENLARGED BOILER ROOM PLAN
NTS

2
E401 LEVEL 1 - ENLARGED KITCHEN PLAN
1/4" = 1'-0"



3
E401 LEVEL 1 - ENLARGED IT ROOM
1/2" = 1'-0"



1
E401 LEVEL 1 - ENLARGED ELECTRICAL ROOM
1/2" = 1'-0"

KEY NOTES

1. CONNECTION FOR SMART-ONLINE UPS WITH 120/208V PRI: 24V SEC TRANSFORMER. COORDINATE CONNECTIONS WITH LOW-VOLTAGE CONTRACTOR.
2. STUB 2" CONDUIT UP TO ROOF FOR FUTURE SOLAR CONNECTION. CAP CONDUIT AT ROOF.



EXPIRES: 06/30/2026

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BID AND PERMIT SET
KCC CHILDCARE LEARNING CENTER
PROJECT #: 20230862
KLAMATH COMMUNITY COLLEGE
7390 S. 6TH ST.
KLAMATH FALLS, OR 97603

SHEET TITLE:
ENLARGED PLANS

REVISIONS:
DESCRP. DATE

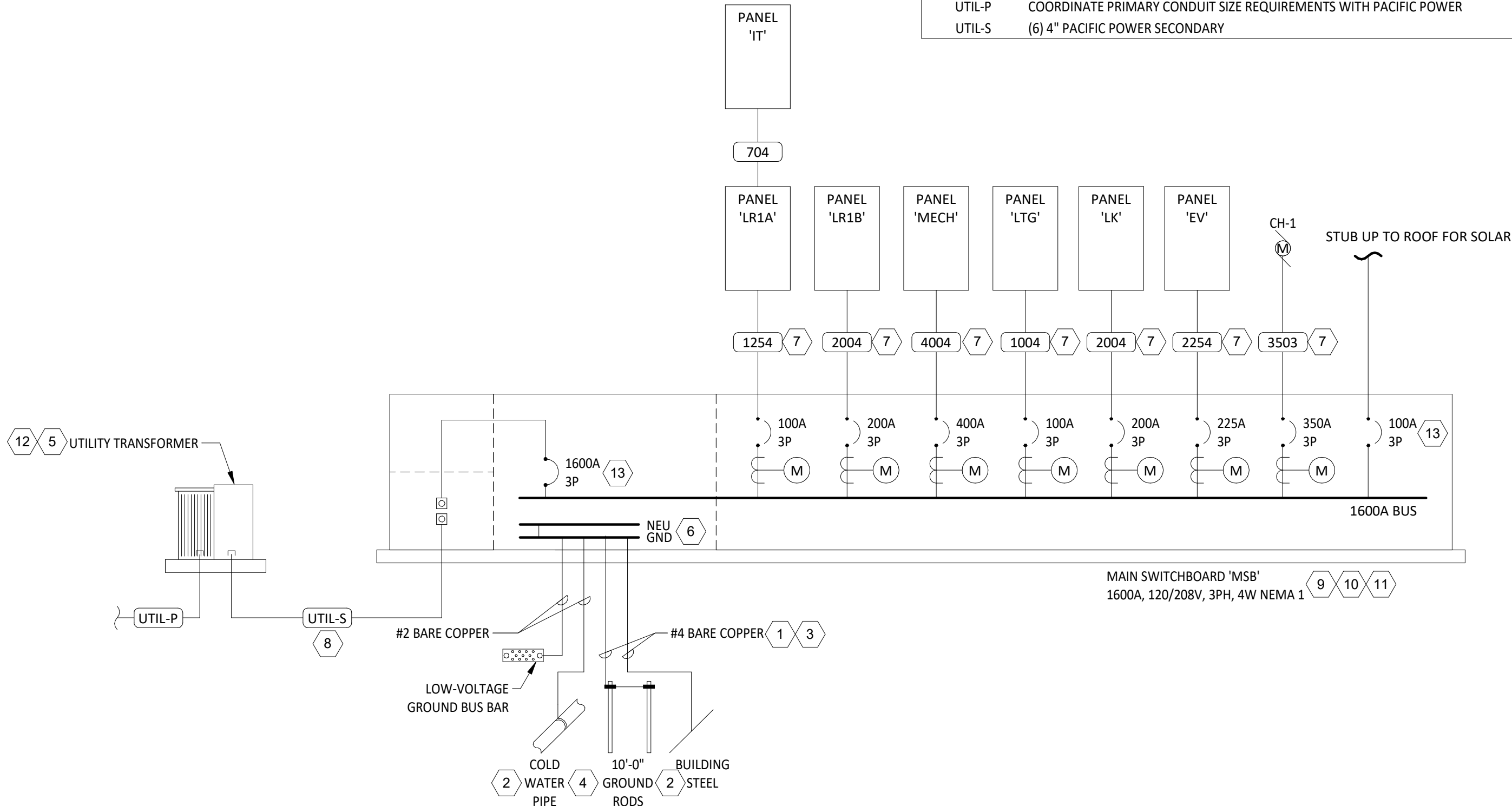
ISSUE DATE: 08/01/2025

E401

1
E501

ONE-LINE DIAGRAM

12" = 1'-0"



KEY NOTES

1. PROVIDE AND UNSPLICED GROUNDING ELECTRODE CONDUCTOR TO THE GROUNDING ELECTRODE SYSTEM. THE GROUNDING ELECTRODE SYSTEM FOR THIS PROJECT SHALL CONSIST OF A UFER GROUND AS DESCRIBED BELOW, THE BUILDING METAL STRUCTURE, ALL AVAILABLE METAL UNDERGROUND WATER PIPING, AND 3/4-INCH x 10 FOOT COPPER WELD GROUND ROD. BOND THE ELECTRODES TOGETHER IN ACCORDANCE WITH NEC 250-50.
2. PROVIDE A BONDING JUMPER TO THE BUILDING INTERIOR METAL WATER PIPING, EXPOSED INTERIOR STRUCTURAL STEEL, INTERIOR METAL GAS PIPING, AND OTHER INTERIOR METAL PIPING IN ACCORDANCE WITH NEC 250-68. ESTABLISH THE CONNECTIONS AT ACCESSIBLE REMOVABLE OR ELECTRICALLY NON-CONTINUOUS JOINTS.
3. PROVIDE PHYSICAL PROTECTION FOR GROUNDING ELECTRODE AND BONDING CONDUCTORS IN ACCORDANCE WITH NEC 250-64, GROUNDING CONDUCTORS INSTALLED IN ELECTRICAL/TELECOM ROOMS MAY BE RUN LOOSE AS PERMITTED BY NEC 250-64(b); GROUNDING CONDUCTORS IN ALL OTHER LOCATIONS SHALL BE IN CONDUIT INSTALLED IN ACCORDANCE WITH NEC 250-64(e) AND IDENTIFIED.
4. PROVIDE GROUND ROD AND CONCRETE WELL WITH STEEL LID LABELED "GROUND". RESISTANCE OF GROUND ROD SHALL NOT EXCEED 0-25 OHMS. IEEE RECOMMENDATION AT 5 OHMS OR LESS. IF A SINGLE ROD EXCEEDS 25 OHMS, PROVIDE ADDITIONAL GROUND RODS SPACED A MINIMUM OF 6-FEET APART IN ACCORDANCE WITH NEC 250-56.
5. WHERE THE TRANSFORMER SUPPLYING THE SERVICE IS LOCATED OUTSIDE OF THE BUILDING, AT LEAST ONE ADDITIONAL GROUNDING CONNECTION SHALL BE MADE FROM THE GROUNDED SERVICE CONDUCTOR TO A GROUNDED ELECTRODE AT THE TRANSFORMER PER UTILITY RULES, REGULATIONS AND STANDARDS.
6. GROUND BUSS SHALL BE CONTINUOUS AND 100% RATED THROUGHOUT.
7. THE CONTRACTOR SHALL PERFORM ELECTRICAL DISTRIBUTION SYSTEM TESTING PRIOR TO ENERGIZING ANY FEEDERS.
8. SECONDARY UTILITY CONDUITS PROVIDED BY THE CONTRACTOR PER THE UTILITY COMPANY REQUIREMENTS. CABLING PROVIDED BY UTILITY COMPANY.
9. THE CONTRACTOR SHALL SUBMIT THE MAIN SWITCHBOARD SHOP DRAWINGS TO PGE FOR THE FINAL APPROVAL AND AIC VERIFICATION PRIOR TO RELEASE FOR MANUFACTURING. NO EXTRA CHARGES SHALL BE APPROVED FOR FAILURE TO DO SO. THE SWITCHBOARD SHALL MEET ALL REQUIREMENTS OF PGE FOR A COMPLETE AND PERMANENT INSTALLATION.
10. VERIFY PHOTOVOLTAIC REQUIREMENT COVERAGE IS BEING PROVIDED BY ALTERNATE BUILDING SERVICE.
11. VERIFY ADDITION OF SOLAR DOES NOT OVERLOAD THE 1000 AMP BUS AT 80% MAIN BREAKER RATING
12. UTILITY SHALL PROVIDE THE PRIMARY CONDUCTOR IN ITS ENTIRETY, THE TRANSFORMER, AND THE CONDUIT FOR THE SECONDARY. ELECTRICAL CONTRACTOR SHALL PROVIDE WIRING FOR CONNECTION OF SECONDARY FROM TRANSFORMER TO SWITCHBOARD.
13. PROVIDE REVERSE FEED BREAKER.

FEEDER SCHEDULE (COPPER)

####	
704	4 #4 CU THWN-2, 1 #6 CU GND., IN 1-1/4"C.
1004	4 #2 CU THWN-2, 1 #4 CU GND., IN 2"C.
1254	4 #1 CU THWN-2, 1 #4 CU GND., IN 1-1/2"C.
2004	4 #3/0 CU THWN-2, 1 #4 CU GND., IN 2"C.
2254	4 #4/0 CU THWN-2, 1 #2 CU GND., IN 2-1/2"C.
3503	(2) SETS OF #4/0 THWN-2, 1 #1 CU GND., IN (2) 2 1/2"C.
4004	2 SETS OF (4 #3/0 CU THWN-2, 1 #1 CU GND., IN 2"C.)
UTIL-P	COORDINATE PRIMARY CONDUIT SIZE REQUIREMENTS WITH PACIFIC POWER
UTIL-S	(6) 4" PACIFIC POWER SECONDARY

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CENTER

PROJECT #: 20230862
KLAMATH COMMUNITY COLLEGE
7390 S. 6TH ST.
KLAMATH FALLS, OR
97603

SHEET TITLE:
ONE LINE
DIAGRAM

REVISIONS:
DESCRP. DATE

ISSUE DATE: 08/01/2025

E501



EXPIRES: 06/30/2026

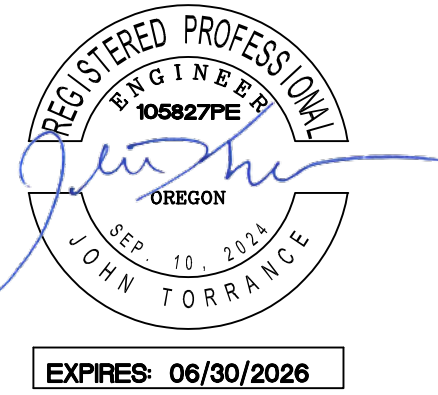
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ARCHITECTURE

MECHANICAL EQUIPMENT CONNECTION SCHEDULE										
MARK	DESCRIPTION	VOLTAGE	PHASE	POLES	LOAD	CIRCUIT	FEEDER	DISCONNECT	LOAD CLASSIFICATION	NOTES
B-1	CONDENSING BOILER	120 V	1	1	720 VA	5	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	PLUG LOAD	HVAC	
B-2	CONDENSING BOILER	120 V	1	1	720 VA	7	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	PLUG LOAD	HVAC	
BP-1	BOILER PUMP	208 V	1	2	2000 VA	45,47	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
BP-2	BOILER PUMP	208 V	1	2	2000 VA	49,51	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
CH-1	AIR COOLED CHILLER	208 V	3	3	113400 VA	6	(2) SETS OF 3 #4/0 CU THWN-2, 1 #1 CU GND. IN (2) 2-1/2" C.	400A DISCONNECT SWITCH	HVAC	
CHP-1	CONDENSING BOILER	208 V	3	3	3816 VA	47,49,51	3 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
CHP-2	CONDENSING BOILER	208 V	3	3	3816 VA	50,52,54	3 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
DOAS-1	ENERGY RECOVERY VENTILATOR	208 V	3	3	7920 VA	29,31,33	3 #10 CU THWN-2, 1 #10 CU GND. IN 1" C.	30A DISCONNECT	HVAC	
DOAS-2	DEDICATED OUTDOOR AIR SYSTEM	208 V	3	3	7920 VA	17,19,21	3 #10 CU THWN-2, 1 #10 CU GND. IN 1" C.	30A DISCONNECT	HVAC	
DOAS-3	ENERGY RECOVERY VENTILATOR	208 V	3	3	7920 VA	35,37,39	3 #10 CU THWN-2, 1 #10 CU GND. IN 1" C.	30A DISCONNECT	HVAC	
DOAS-4	DEDICATED OUTDOOR AIR SYSTEM	208 V	3	3	7920 VA	23,25,27	3 #10 CU THWN-2, 1 #10 CU GND. IN 1" C.	30A DISCONNECT	HVAC	
FC-101	FAN COIL	208 V	1	2	1404 VA	2,4	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-102	FAN COIL	208 V	1	2	1404 VA	2,4	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-103	FAN COIL	208 V	1	2	1404 VA	6,8	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-104	FAN COIL	208 V	1	2	1404 VA	6,8	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-105	FAN COIL	208 V	1	2	1404 VA	10,12	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-106	FAN COIL	208 V	1	2	1404 VA	10,12	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-107	FAN COIL	208 V	1	2	1404 VA	14,16	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-108	FAN COIL	208 V	1	2	1404 VA	14,16	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-109	FAN COIL	208 V	1	2	1404 VA	18,20	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-201	FAN COIL	208 V	1	2	780 VA	22,24	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-202	FAN COIL	208 V	1	2	1248 VA	26,28	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-203	FAN COIL	208 V	1	2	1404 VA	26,28	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-204	FAN COIL	208 V	1	2	3417 VA	38,40	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-206	FAN COIL	208 V	1	2	1404 VA	22,24	2 #10 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-207	FAN COIL	208 V	1	2	1404 VA	30,32	2 #8 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-208	FAN COIL	208 V	1	2	1404 VA	30,32	2 #8 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-209	FAN COIL	208 V	1	2	1404 VA	34,36	2 #8 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
FC-210	FAN COIL	208 V	1	2	1404 VA	34,36	2 #8 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	HVAC	
HP-1	HEAT PUMP	208 V	1	2	1584 VA	42,44	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	60A DISCONNECT	HVAC	
HP-2	KITCHEN EXHAUST FAN	208 V	1	2	1584 VA	46,48	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	Motor	
KEF-1	KITCHEN EXHAUST FAN	208 V	3	3	1584 VA	41,43,45	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	MOTOR-RATED DISCONNECT SWITCH	Motor	
MUA-1	AIR COOLED CHILLER	208 V	3	3	12204 VA	9,11,13	3 #6 CU THWN-2, #10 CU GND. IN 1" C.	60A DISCONNECT SWITCH	HVAC	
SP-1	SNOW MELT PUMP	208 V	3	3	3816 VA	40,42,44	3 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	30A DISCONNECT	HVAC	
SP-2	SNOW MELT PUMP	208 V	3	3	3816 VA	34,36,38	3 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	30A DISCONNECT	HVAC	
WH-1	WATER HEATER	120 V	1	1	500 VA	1	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	PLUG LOAD	Water Heater	VERIFY PLUG LOAD IS WITHIN LINE OF SITE OF WATER HEATER.
WH-2	WATER HEATER	120 V	1	1	500 VA	15	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	PLUG LOAD	Water Heater	VERIFY PLUG LOAD IS WITHIN LINE OF SITE OF WATER HEATER.
WH-3	WATER HEATER	120 V	1	1	500 VA	3	2 #12 CU THWN-2, 2 #12 CU GND. IN 3/4" C.	PLUG LOAD	Water Heater	VERIFY PLUG LOAD IS WITHIN LINE OF SITE OF WATER HEATER.

GENERAL NOTES:

- A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.
- B. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES. VERIFY WATER HEATER DISCONNECT IS WITHIN LINE OF SIGHT OF WATER HEATER.
- C. SEE ONE LINE POWER DIAGRAM FOR FEEDER SIZE.



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KCC CHILDCARE LEARNING CENTER
PROJECT # : 20230862
KLAMATH COMMUNITY COLLEGE
7390 S. 6TH ST.
KLAMATH FALLS, OR 97603

SHEET TITLE:
SCHEDULES

REVISIONS:		
#	DESCRP.	DATE

ISSUE DATE: 08/01/2025

PANEL 'MECH'

LOCATION: ELEC. 150
SUPPLY FROM: MSB
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING:
BUSSING RATING: 400 A
K.A.I.C. RATING: 18kAIC
FEED-THRU LUGS: No

CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A	B	C	POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT					
1	WH-1	WH		20	1	500	1,404			2	20	EH	FC-101, FC-102	2					
3	WH-3	WH		20	1		500	1,404		--	--	EH		4					
5	B-1	EH		20	1			720	1,404	2	20	EH	FC-103, FC-104	6					
7	B-2	EH		20	1	720	1,404			--	--	EH		8					
9	MUA-1	EH		35	3		4,068	1,404		2	20	EH	FC-105, FC-106	10					
11	--	--	--	--	--			4,068	1,404	--	--	--	--	12					
13	--	--	--	--	--	4,068	1,404			2	20	EH	FC-107, FC-108	14					
15	WH-2	WH		20	1		500	1,404		--	--	EH		16					
17	DOAS-2	EH		30	3			2,640	702	2	20	EH	FC-109	18					
19	--	--	--	--	--	2,640	702			--	--	--	--	20					
21	--	--	--	--	--		2,640	1,092		2	20	EH	FC-201, FC-206	22					
23	DOAS-4	EH		30	3			2,640	1,092	--	--	EH		24					
25	--	--	--	--	--	2,640	1,326			2	20	EH	FC-202, FC-203	26					
27	--	--	--	--	--		2,640	1,326		--	--	EH		28					
29	DOAS-1	EH		30	3			2,640	1,404	2	20	EH	FC-207, FC-208	30					
31	--	--	--	--	--	2,640	1,404			--	--	--	--	32					
33	--	--	--	--	--		2,640	1,404		2	20	EH	FC-209, FC-210	34					
35	DOAS-3	EH		30	3			2,640	1,404	--	--	--	--	36					
37	--	--	--	--	--	2,640	1,709			2	20	EH	FC-204	38					
39	--	--	--	--	--		2,640	1,709		--	--	--	--	40					
41	KEF-1	M		20	3			528	792	2	20	EH	HP-1	42					
43	--	--	--	--	--	528	792			--	--	--	--	44					
45	--	--	--	--	--		528	792		2	20	M	HP-2	46					
47	CHP-1	EH		20	3			1,272	792			--	--	48					
49	--	--	--	--	--	1,272	1,272			3	20	EH	CHP-2	50					
51	--	--	--	--	--		1,272	1,272		--	--	--	--	52					
53	SPARE	--	--	20	1			0	1,272	--	--	--	--	54					
Total Load:						29,065 VA	29,235 VA	27,414 VA	228 A										
Total Amps:						244 A	246 A	228 A											
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS											
HVAC		81045 VA		100.00%		81045 VA		TOTAL CONNECTED LOAD: 85,713 VA											
Motor		3168 VA		112.50%		3564 VA		FEED-THRU LOAD: 0 VA											
Water Heater		1500 VA		125.00%		1875 VA		TOTAL ESTIMATED DEMAND: 86,484 VA											
TOTAL CONNECTED CURRENT: 238 A																			
TOTAL EST. DEMAND CURRENT: 240 A																			

NOTES:

PANEL 'LR1A'

LOCATION: STORAGE 204

SUPPLY FROM: MSB

MOUNTING: SURFACE

ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V, 3Ø, 4W

MAINS RATING: MLO

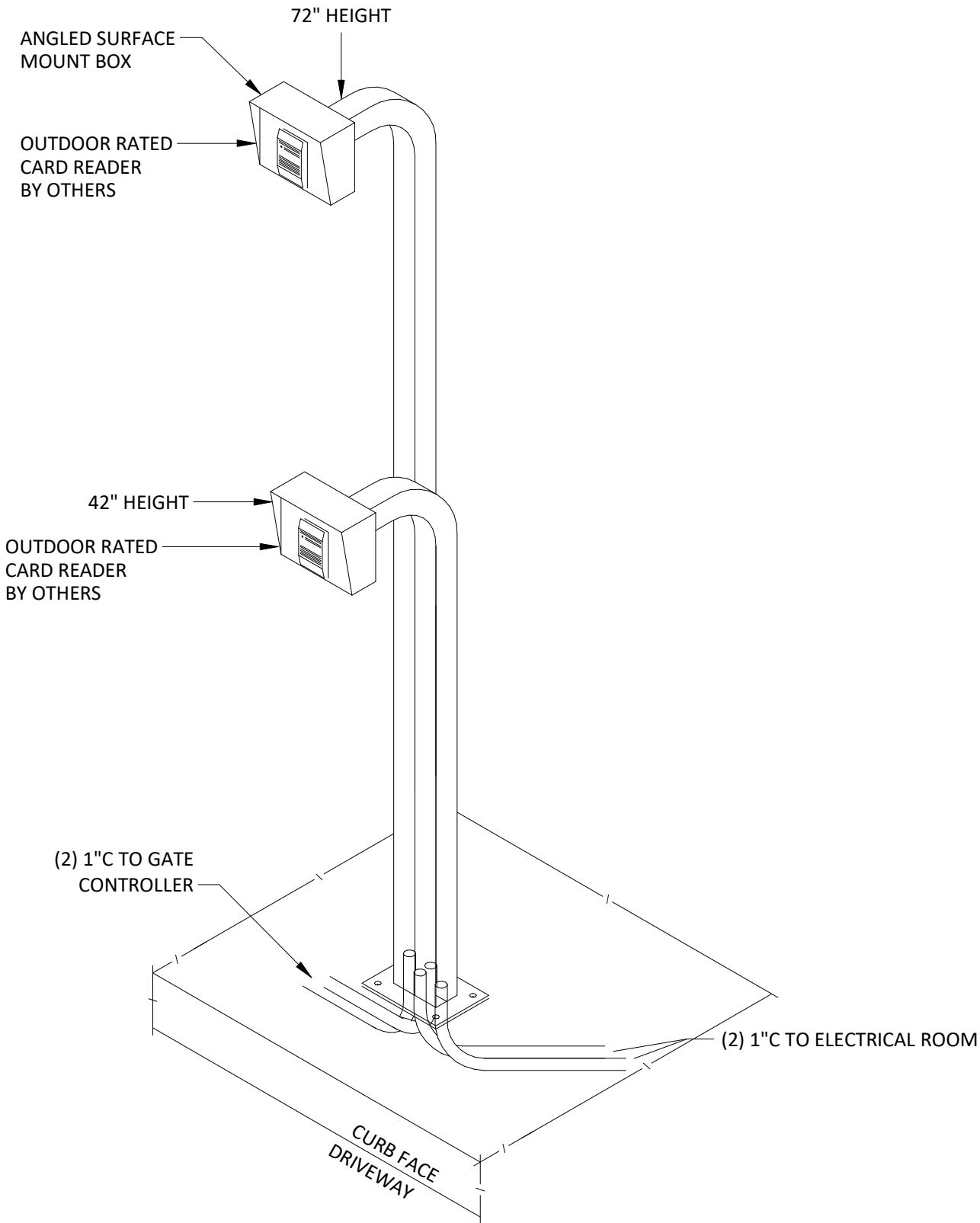
BUSSING RATING: 125 A

K.A.I.C. RATING: 10 KAIC

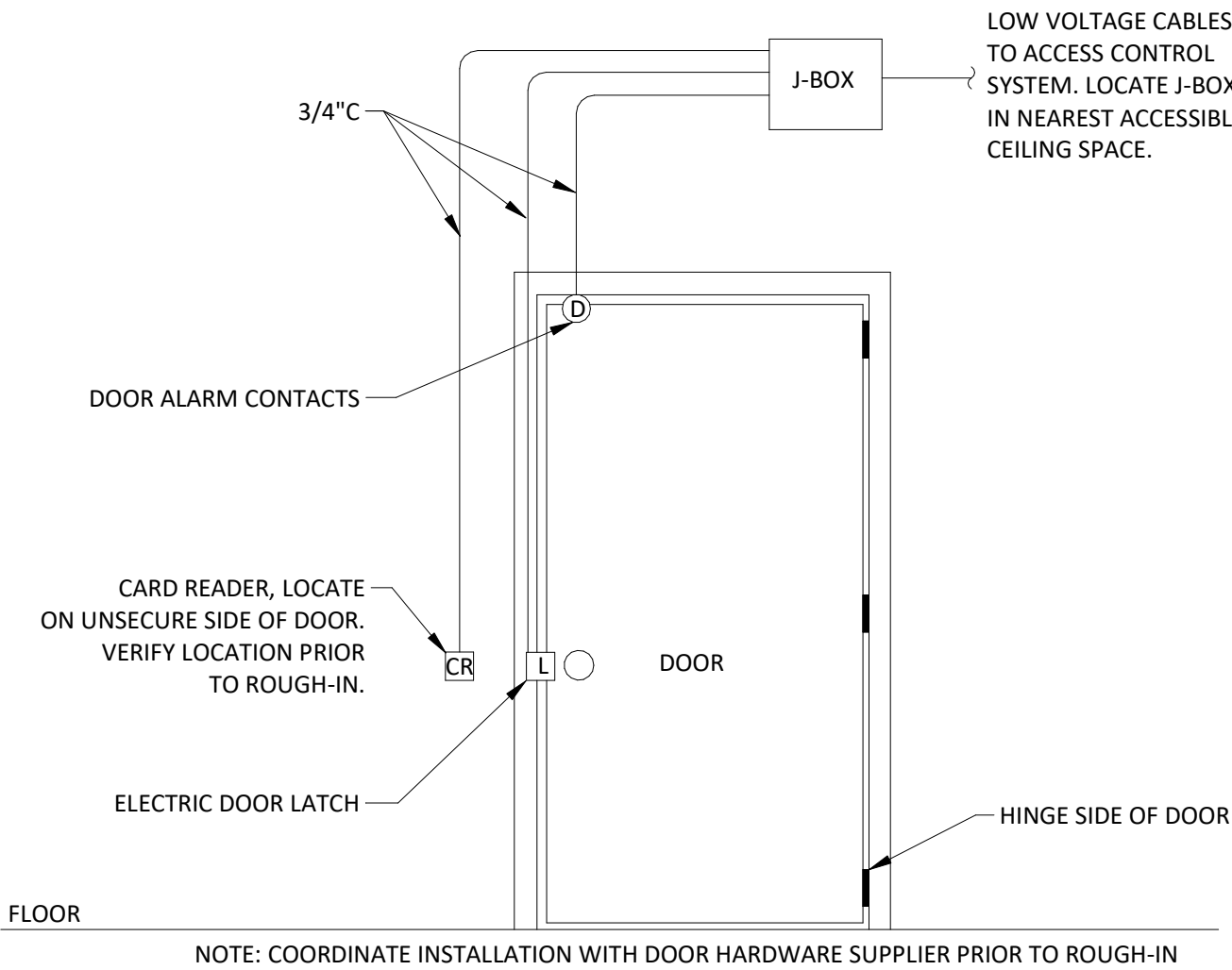
FEED-THRU LUGS: No

CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT
1	RECEPT - HALL 105	R		20	1	720	1,080			1	20	R	RECEPT - CLASS 161	2
3	RECEPT - HALL 200	R		20	1		900	900		1	20	R	COUNTER RECEPT - CLASS 161	4
5	RECEPT - BREAK 172	R		20	1			720	1,080	1	20	R	RECEPT - CLASS 164	6
7	RECEPT - STORAGE 204	R		20	1	360	900			1	20	R	COUNTER RECEPT - CLASS 164	8
9	RECEPT - ROOF...	R		20	1		360	540		1	20	R	RECEPT - CLASS 159	10
11	RECEPT - REST 168, 169, 170	R		20	1			720	900	1	20	R	COUNTER RECEPT - CLASS 159	12
13	RECEPT - OFFICE 208	R		20	1	540	1,080			1	20	R	RECEPT - CLASS 157	14
15	RECEPT - OFFICE 207	R		20	1		540	360		1	20	R	COUNTER RECEPT - CLASS 157	16
17	RECEPT - CONFERENCE 209	R		20	1			1,080	360	1	20	R	COUNTER RECEPT - BREAK 172	18
19	RECEPT - CONFERENCE 209	R		20	1	540	900			1	20	R	RECEPT - CLASS 205	20
21	RECEPT - EXTERIOR	R		20	1		720	720		1	20	R	RECEPT - CLASS 205	22
23	RECEPT - COMMONS 102	R		20	1			1,080	720	1	20	R	RECEPT - CLASS 206	24
25	PROJECTOR - COMMONS 102	R		20	1	180	900			1	20	R	RECEPT - CLASS 206	26
27	RECEPT - SHARED OFFICE 201	R		20	1		900	830		1	20	R	REFR - BREAK ROOM 172	28
29	RECEPT - SOUTH...	R		20	1			360	830	1	20	R	REFR - BREAK ROOM 172	30
31	RECEPT - NORTH...	R		20	1	360	360			1	20	R	TTB RECEPT - ELEC ROOM	32
33	COPIER - HALL 200	R		30	1		2,000	360		1	20	R	TTB RECEPT - ELEC ROOM	34
35	RECEPT - ELEC ROOM	R		20	1			180	150	1	20	G	General DRY STORAGE 148	36
37	SPARE	--		20	1	0	0			1	20	--	SPARE	38
39	SPARE	--		20	1		0	0		1	20	--	SPARE	40
41	SPARE	--		20	1			0	0	1	20	--	SPARE	42
Total Load:						7,920 VA	9,130 VA	8,180 VA						
Total Amps:						66 A	76 A	69 A						
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS						
Receptacle		25080 VA		69.94%		17540 VA		TOTAL CONNECTED LOAD: 25,230 VA						
General		150 VA		100.00%		150 VA		FEED-THRU LOAD: 0 VA						
								TOTAL ESTIMATED DEMAND: 17,690 VA						
								TOTAL CONNECTED CURRENT: 70 A						
								TOTAL EST. DEMAND CURRENT: 49 A						
NOTES:														

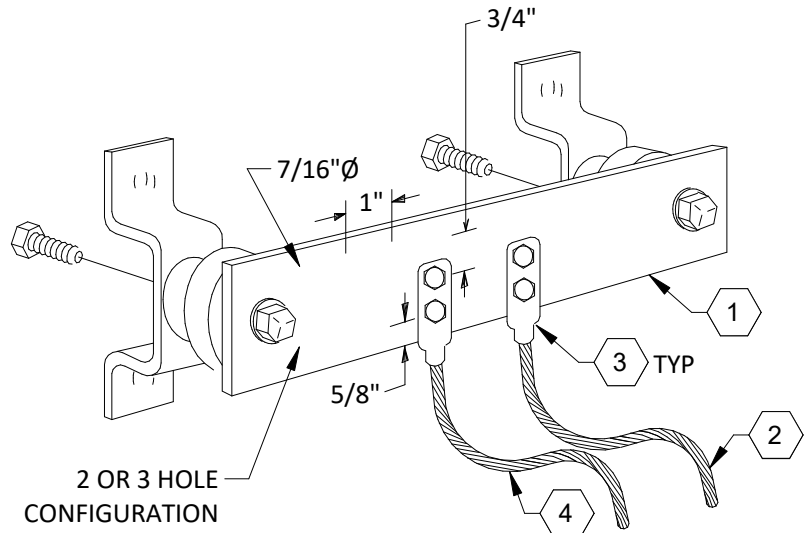
INVERTER SCHEDULE 'INV'															
LOCATION: ELEC. 150 SUPPLY FROM: LTG MOUNTING: SURFACE ENCLOSURE: NEMA 1										VOLTAGE: 208/120V Single, 1Φ, 3W MAINS RATING: BUSSING RATING: K.A.I.C. RATING:					
CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A (VA)		B (VA)		POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT
1	EM LTG - HALL 103	L		20	1	9	319			1	20		L	EM LTG - NORTH EXT	2
3	EM LTG - SOUTH	L		20	1			598	168	1	20		L	EM LTG - SOUTH EXT	4
5	EM LTG - NORTH	L		20	1	422	136			1	20		L	EM LTG - HALL 105	6
7	SPARE	--		20	1			0	0	1	20		--	SPARE	8
9	SPARE	--		20	1	0	0			1	20		--	SPARE	10
Total Load:						885 VA		766 VA							
Total Amps:						8 A		7 A							
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS							
Other		360 VA		100.00%		360 VA		TOTAL CONNECTED LOAD: 1,651 VA							
Lighting		1291 VA		125.00%		1614 VA		FEED-THRU LOAD: 0 VA							
								TOTAL ESTIMATED DEMAND: 1,974 VA							
								TOTAL CONNECTED CURRENT: 8 A							
								TOTAL EST. DEMAND CURRENT: 9 A							
NOTES:															
BASIS OF DESIGN: MYERS EPS ILLUMINATOR IE 3.0KVA.															



6 PEDESTAL CARD READER DETAIL
12" = 1'-0"

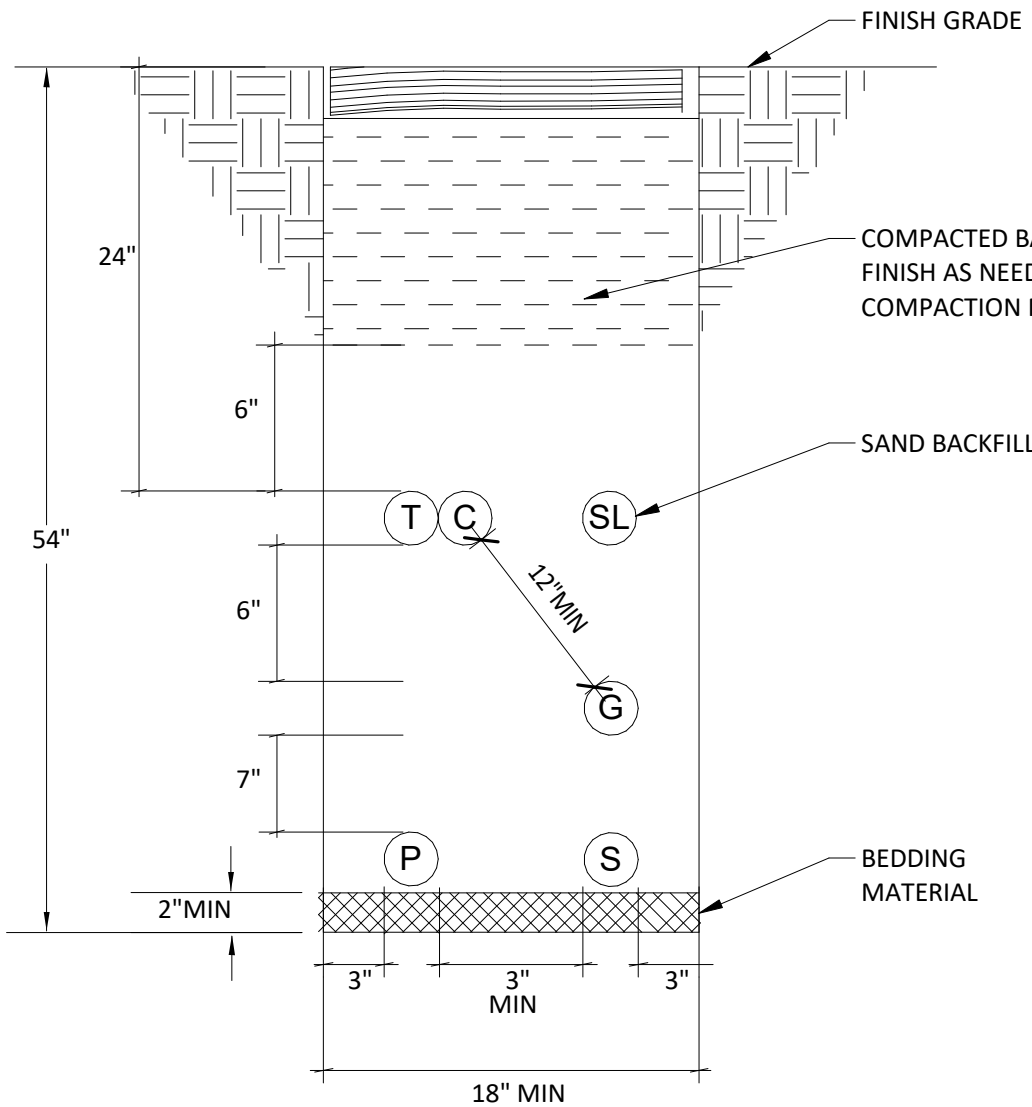


5 CARD READER DETAIL
12" = 1'-0"



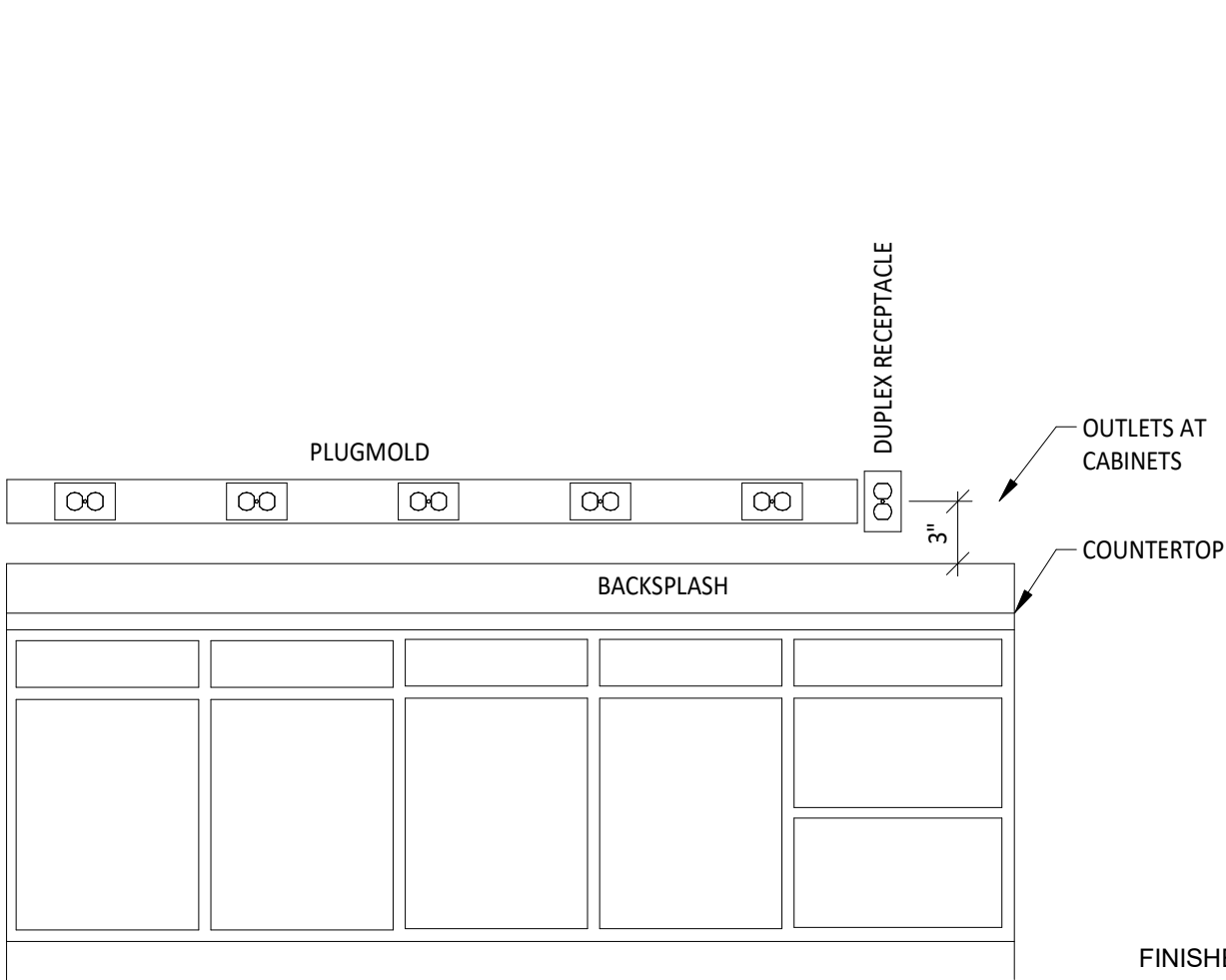
- DETAIL KEYNOTES
1. COPPER GROUND BAR, TMGB - 1/4"x4"x20", TGB - 1/4"x4"x10". HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
 2. 3/0 BARE COPPER GROUND CONDUCTOR TO MAIN SERVICE EQUIPMENT GROUND OR TBB.
 3. 2-HOLE LUG.
 4. 3/0 BARE COPPER GROUND CONDUCTOR TO BUILDING STEEL.

4 GROUND BUS BAR DETAIL
12" = 1'-0"

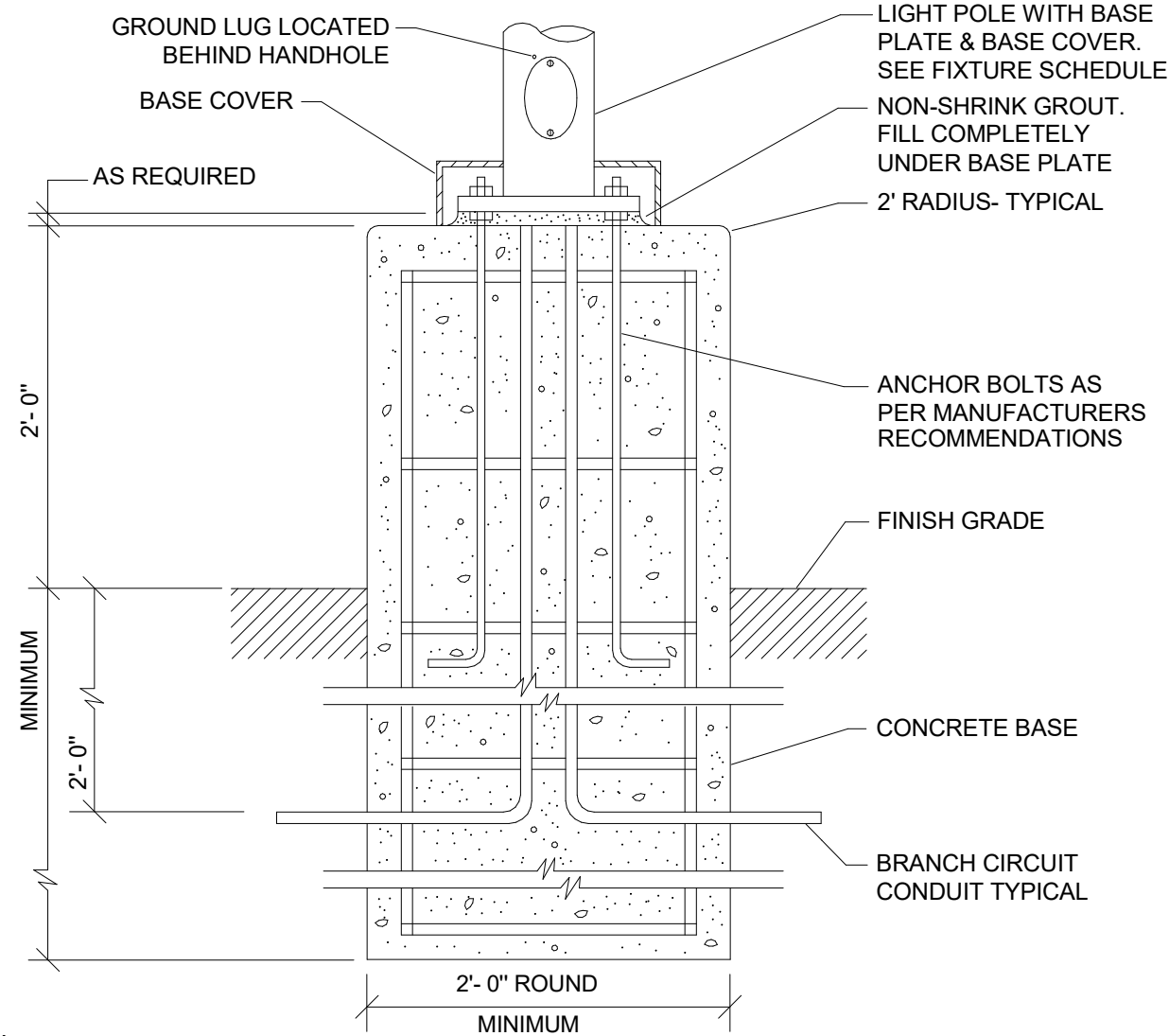


TYPICAL DISTRIBUTION TRENCH

2 TRENCH DETAIL
12" = 1'-0"

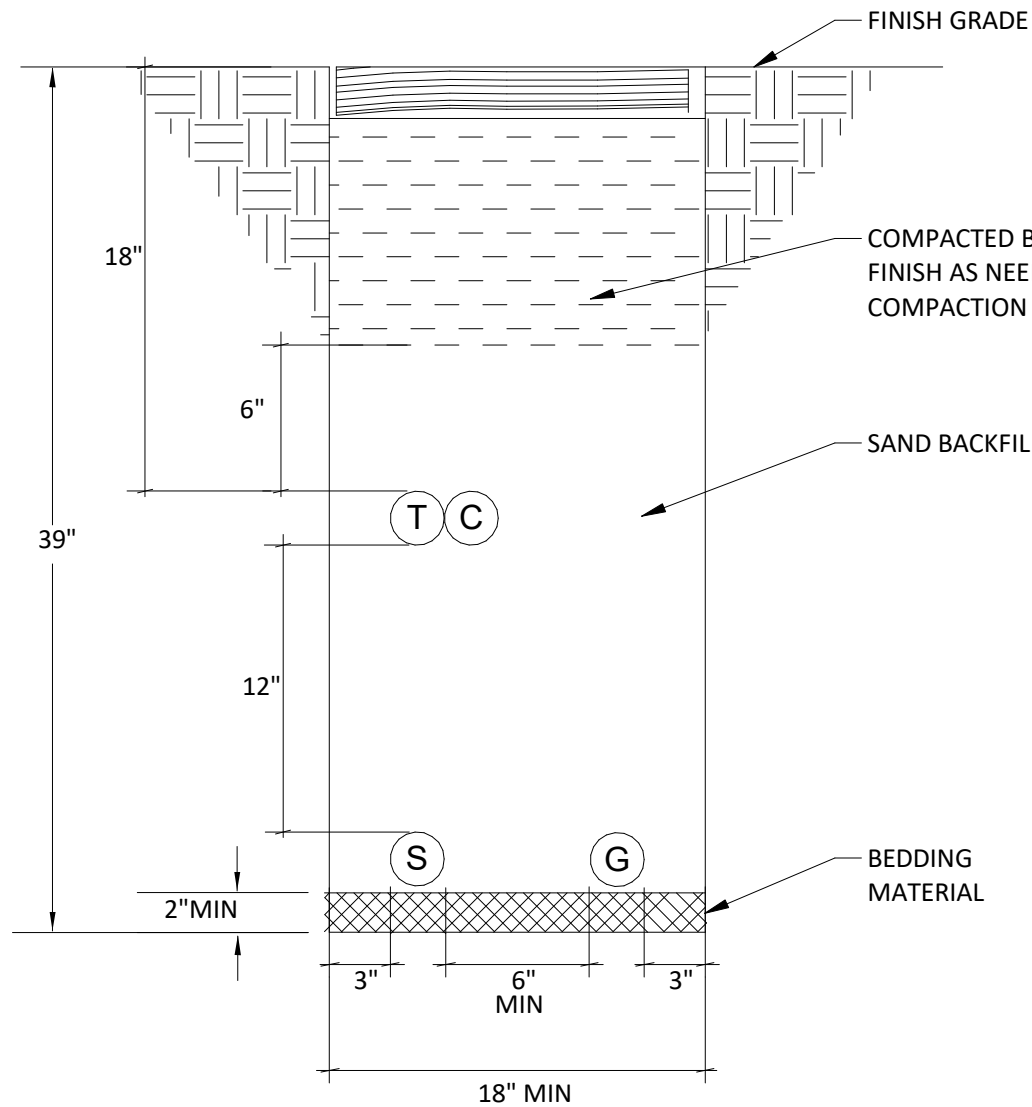


1 TYPICAL MOUNTING HEIGHTS
12" = 1'-0"



NOTE:
ALL POLES FOR POLE MOUNTED LIGHTING SHALL BE AS INDICATED ON DETAIL THIS DRAWING. POLE, ANCHOR BOLTS, AND FOUNDATION SHALL BE DESIGNED BY A REGISTERED STRUCTURAL ENGINEER AND COORDINATED WITH THE LIGHTING FIXTURE TYPE AND CONFIGURATION BEING PROVIDE, TAKING INTO ACCOUNT MOUNTING HEIGHT, MAXIMUM PROJECTED AREA, MOUNTING ARM LENGTH, QUANTITY OF FIXTURES AND 100 MPH BASIC, AND 130 MPH GUST WIND VELOCITY. CONTRACTOR SHALL FURNISH FINAL POLE BASE DESIGN TO ARCHITECT WITH LIGHTING FIXTURE SUBMITTALS. POLE FOUNDATION IS MINIMUM REQUIREMENT. CONTRACTOR SHALL VERIFY SOIL CONDITIONS WHICH MAY AFFECT FOUNDATION SIZE.

3 RAISED POLE BASE DETAIL
12" = 1'-0"



TYPICAL SERVICE TRENCH

