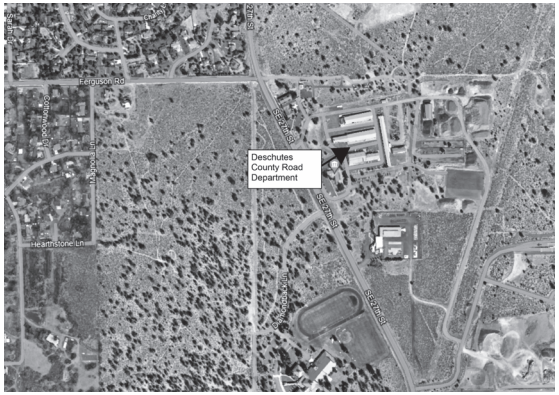
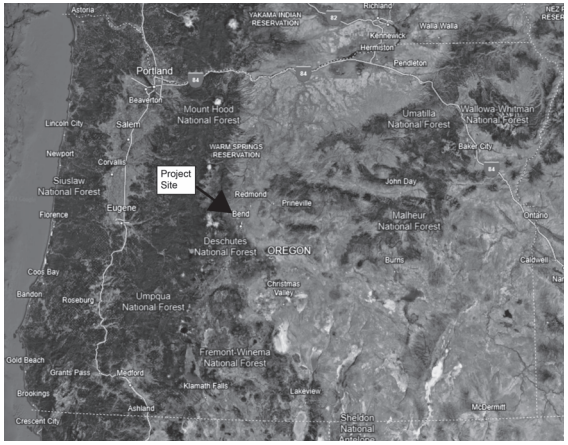
DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

100% CD



1 E000 VICINITY MAP
NTS



2 E000 PROJECT LOCATION
NTS

OWNER

DESCHUTES COUNTY ROAD DEPARTMENT
61150 SE 27TH STREET
BEND, OR 97702
CONTACT: QUINN SHUBERT, PE TRANSPORTATION ENGINEER
PHONE: 541-322-7131
EMAIL: QUINN.SHUBERT@DESCHUTESCOUNTY.GOV

ELECTRICAL ENGINEER

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721 SW INDUSTRIAL WAY SUITE 111
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CONTACT: JOHN PRIDE, PE ELECTRICAL ENGINEER
PHONE: 541-275-1450
EMAIL: JOHN.PRIDE@COLEBREIT.COM

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OREGON
SEPT. 21, 2001
JOHN W. PRIDE
EXPIRES: 12/31/24

COLEBREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

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61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD	09/24/2024
JOB NUMBER:	20240170

SHEET TITLE
COVER SHEET

SHEET NUMBER
E000

POWER SYMBOLS

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
M	UTILITY METER
CM	CUSTOMER METER

CONDUIT SYMBOLS

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.

ABBREVIATIONS

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	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
CCTV	CLOSED CIRCUIT TELEVISION	P	POLE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	PH	PHASE
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	PRI	PRIMARY
CL	CENTERLINE	PV	PHOTOVOLTAIC
CO	CONDUIT ONLY	PVC	POLYVINYL CHLORIDE CONDUIT
CONN	CONNECTED	(R)	RELOCATE EXISTING
CT	CURRENT TRANSFORMER	RECPT	RECEPTACLE
CU	COPPER	(RR)	REMOVE AND REPLACE WITH NEW
DC	DIRECT CURRENT	RSC	RIGID STEEL CONDUIT
(E)	EXISTING TO REMAIN	SEC	SECONDARY
ELEV	ELEVATOR	SPD	SURGE PROTECTION DEVICE
EM	EMERGENCY / STANDBY POWER	TC	TERMINAL CABINET
EMT	ELECTRO METALLIC TUBING	TEL	TELEPHONE
EV	ELECTRICAL VEHICLE	TTB	TERMINAL BACKBOARD
FA	FIRE ALARM	TYP	TYPICAL
FACP	FIRE ALARM CONTROL PANEL	UL	UNDERWRITER LABORATORIES
G	GROUND	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. DIVISION 26 CONTRACTOR TO COORDINATE FINAL EQUIPMENT CONNECTION TYPE FOR OFOI AND OFCI EQUIPMENT.
2. FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE INSTALLED ON A 3" HIGH CONCRETE HOUSEKEEPING PAD.
3. DISCONNECT SWITCHES TO BE SIZED AT MINIMUM TO MATCH THE BREAKER SIZE OF THE RESPECTIVE BRANCH CIRCUIT BEING FED.
4. 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.
5. 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.
6. 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'.
7. PROVIDE DEDICATED NEUTRAL TO EACH BRANCH CIRCUIT PER NEC 210.4.

(OR) LIST OF GOVERNING CODES

THIS WORK SHALL CONFORM TO ALL CURRENT AND ADOPTED LOCAL CODES
- 2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)
- ASHRAE 90.1-2019
- 2023 OREGON ELECTRICAL SPECIALTY CODE (OESC) - BASED ON THE 2023 NATIONAL ELECTRICAL CODE

GENERAL ELECTRICAL DEMOLITION NOTES:

1. SEE PLAN DRAWINGS, SHEETS E300, AND E501 FOR EXTENT OF DEMOLITION OF ELECTRICAL GEAR.
2. DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION PRIOR TO DEMOLITION. NOTES AND GRAPHIC REPRESENTATIONS SHALL NOT LIMIT THE EXTENT OF DEMOLITION REQUIRED. CONTRACTOR SHALL VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND IN ORDER TO AVOID CONFLICTS. CONTRACTOR SHALL PERFORM ALL DEMOLITION REQUIRED TO ACHIEVE THE FINAL DESIGN INTENT AS REQUIRED BY THE CONTRACT DOCUMENTS.
3. DE-ENERGIZE AND SAFE-OFF ALL EQUIPMENT AND ANY WIRING AND/OR EQUIPMENT TO BE REMOVED PRIOR TO ANY DEMOLITION WORK. CONTRACTOR RESPONSIBLE FOR SAFE-OFF DEMO AS NECESSARY FOR CONSTRUCTION EFFORTS. PROVIDE LOCK-OUT/TAG-OUT PROCEDURES TO PROVIDE SAFE WORKING ENVIRONMENT.
4. UNLESS OTHERWISE INDICATED, EXISTING SERVICES, SYSTEMS AND WIRING SERVICE EXISTING AREAS OUTSIDE OF DEMOLITION AREA SHALL REMAIN OR BE RELOCATED AS REQUIRED TO MAINTAIN OPERATION OF EXISTING SYSTEMS AND AVOID CONFLICT WITH NEW CONSTRUCTION.
5. EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR, AT NO ADDITIONAL COST TO OWNER, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN.
6. ALL CONDUIT REMOVED SHALL BE REMOVED IN IT'S ENTIRETY, INCLUDING FITTINGS, MOUNTING DEVICES, MOUNTING HARDWARE, ETC. PROVIDE CONDUIT PLUGS AND BLANKS FOR ALL OPENINGS CREATED BY THE REMOVAL OF CONDUIT. PROVIDE BLANK COVER PLATES FOR ALL OPENED OUTLET BOXES CREATED BY THE REMOVAL OF THE EQUIPMENT AND / OR DEVICES.
7. FEEDERS AND BRANCH CIRCUITS TO BE REMOVED - WIRING, CONDUIT AND SUPPORTS SHALL BE REMOVED TO THE PANEL OF ORIGIN. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
8. EXISTING CIRCUITING TO REMAIN SHALL BE REROUTED OR RECONNECTED, AS REQUIRED, WHERE AFFECTED BY NEW WORK IN ORDER TO MAINTAIN CONTINUITY OF CIRCUIT.
9. PROVIDE TEMPORARY SUPPORTS FOR ALL CONDUITS, DEVICES, EQUIPMENT, AND CABLING THAT ARE TO REMAIN. COORDINATE ALL WORK WITH BUILDING OPERATING PERSONNEL AND BUILDING'S FIRE ALARM, SECURITY AND TELECOM CONTRACTORS.
10. PROVIDE BLANK PLATES AT ALL OPEN BOXES WHERE DEVICES ARE REMOVED AND SURFACE IS NOT SCHEDULES TO BE PATCHED AND RE-FINISHED.
11. EQUIPMENT INDICATED TO BE REMOVED SHALL BE TAKEN FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND ENVIRONMENTAL REGULATIONS.
12. ALL WORK AND ALL POWER OUTAGES IN THE EXISTING BUILDING SHALL BE COORDINATED WITH AND SCHEDULED AT TIMES CONVENIENT TO THE OWNER.
13. CONTRACTOR RESPONSIBLE FOR ALL ELECTRICAL DEMO AND DISPOSAL FEES. ASSUME T8 AND T12 FLUORESCENT FIXTURES AND TUBES.

ELECTRICAL SHEET KEY

SHEET NUMBER	DESCRIPTION
E000	COVER SHEET
E001	LEGEND
E100	SITE PLAN
E201	BUILDING A
E202	BUILDING B
E203	BUILDING C
E204	BUILDING D
E205	BUILDING E & HAZMAT
E300	ENLARGED PLANS DEMOLITION
E301	ENLARGED PLANS DEMOLITION
E302	ENLARGED PLANS NEW WORK
E303	ENLARGED PLANS NEW WORK
E501	ONE LINE DIAGRAM - DEMO
E502	ONE LINE DIAGRAM - NEW WORK
E601	SCHEDULES
E602	SCHEDULES
E603	SCHEDULES
E604	SCHEDULES

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JOHN W. PRIVE
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61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

LEGEND

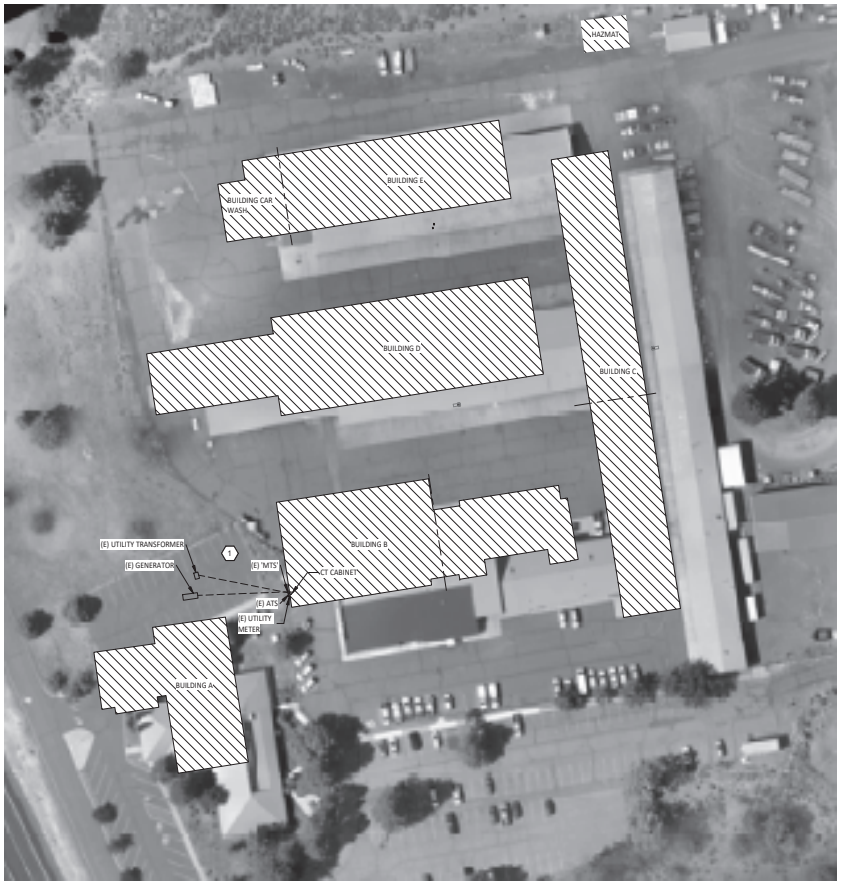
SHEET NUMBER

E001

PLOT DATE: 9/24/2024 11:07:42 AM

SHEET KEYNOTES:

1. SEE SHEETS ES01 AND ES02 FOR ADDITIONAL INFORMATION ON DEMOLITION AND NEW WORK OF ELECTRICAL EQUIPMENT.



1 E100 **SITE - ELECTRICAL**
1" = 50'-0"

N

0' 25' 50' 100' 150'
SCALE: 1" = 50'-0"

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JOB NUMBER: 20240170

SHEET TITLE

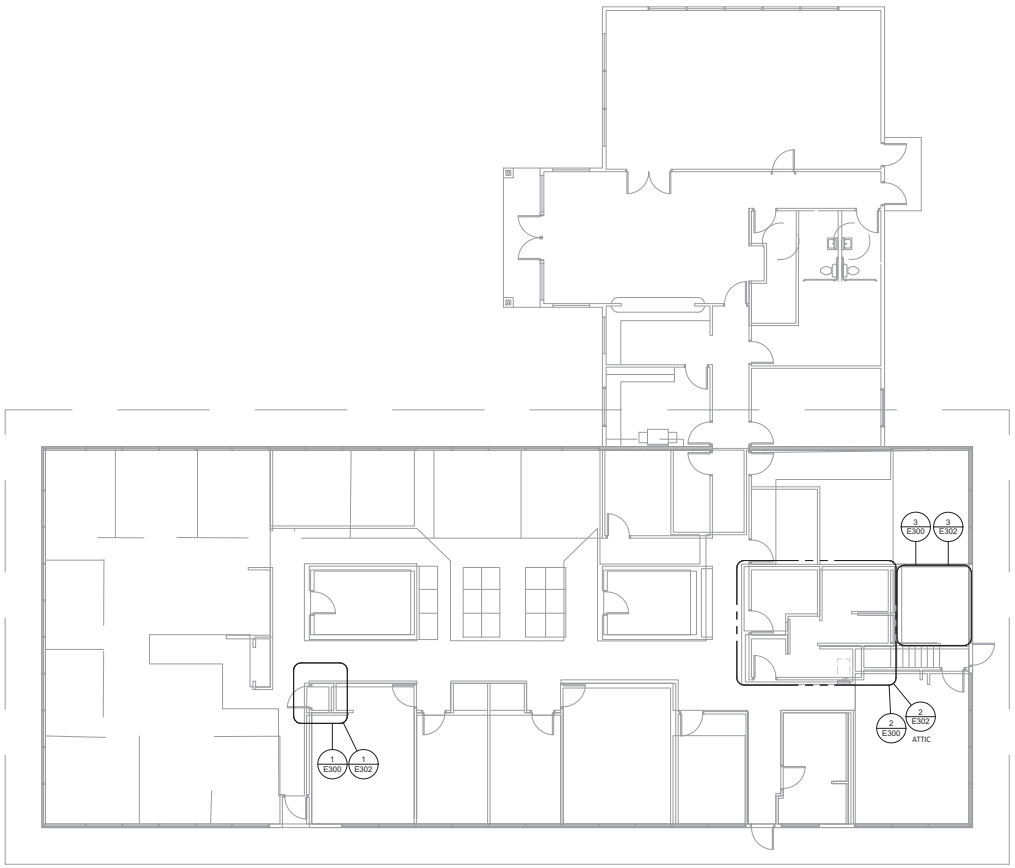
SITE PLAN

SHEET NUMBER

E100

GENERAL ELECTRICAL NOTES:

A. SEE SHEETS ES01 AND 502 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.



1 E201 ELECTRICAL - BUILDING A

1/8" = 1'-0"

N

0' 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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SHEET TITLE

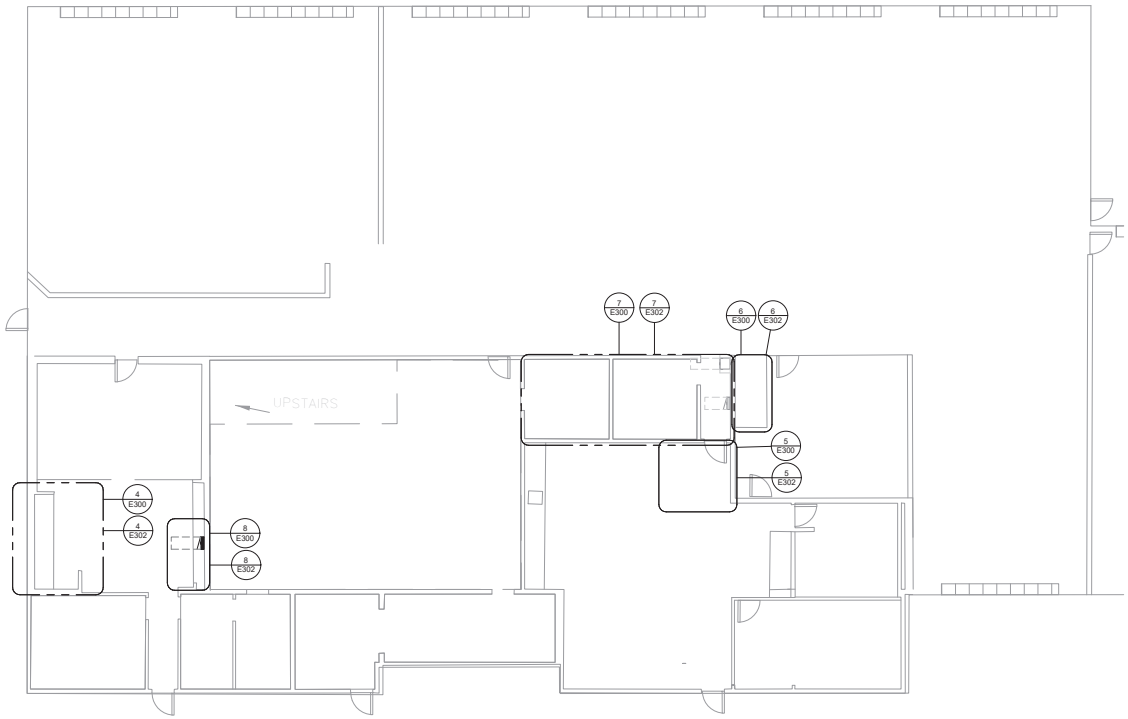
BUILDING A

SHEET NUMBER

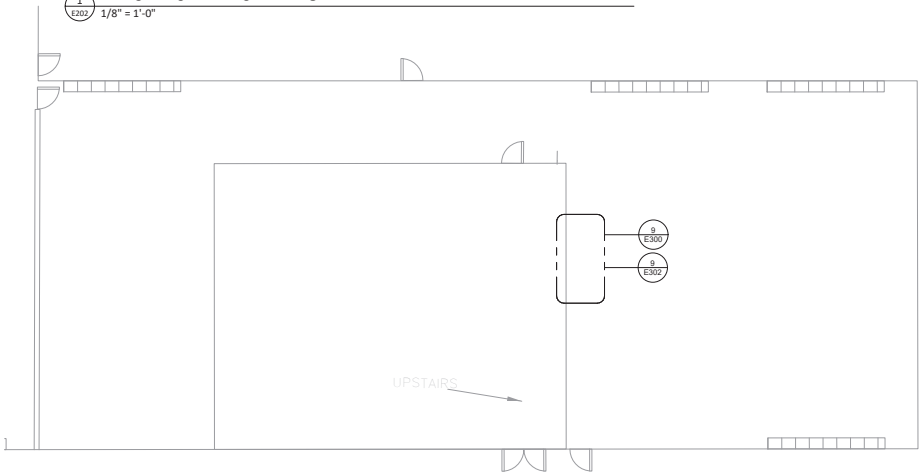
E201

GENERAL ELECTRICAL NOTES:

A. SEE SHEETS ES01 AND S02 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.



1 E202 ELECTRICAL - BUILDING B - AREA 1
1/8" = 1'-0"



2 E202 ELECTRICAL - BUILDING B - AREA 2
1/8" = 1'-0"

N

0' 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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SHEET TITLE

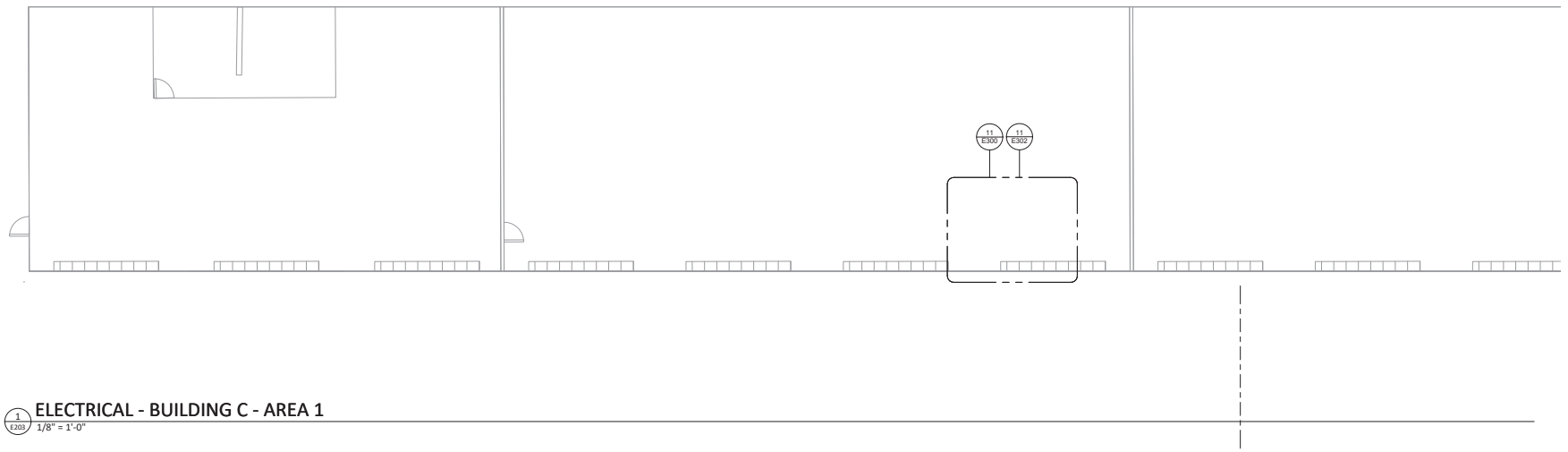
BUILDING B

SHEET NUMBER

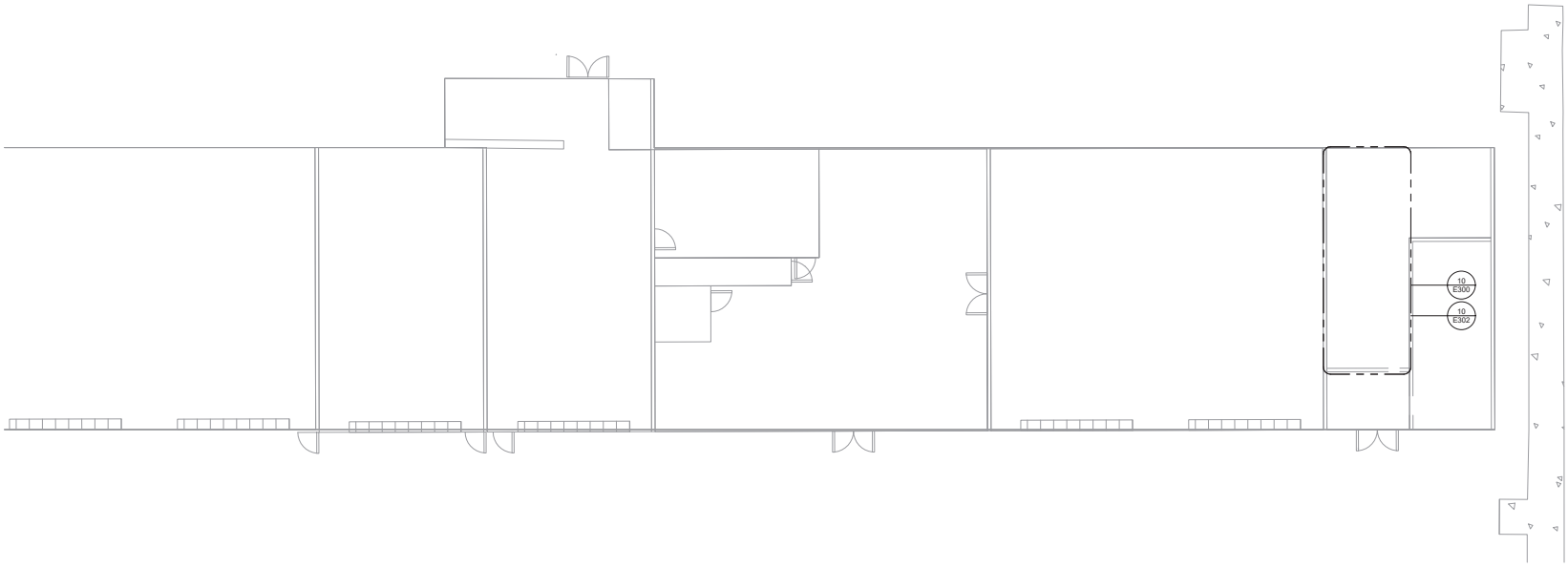
E202

GENERAL ELECTRICAL NOTES:

A. SEE SHEETS E501 AND 502 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.



1 E203 ELECTRICAL - BUILDING C - AREA 1
1/8" = 1'-0"



2 E203 ELECTRICAL - BUILDING C - AREA 2
1/8" = 1'-0"

N

0' 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

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SHEET TITLE

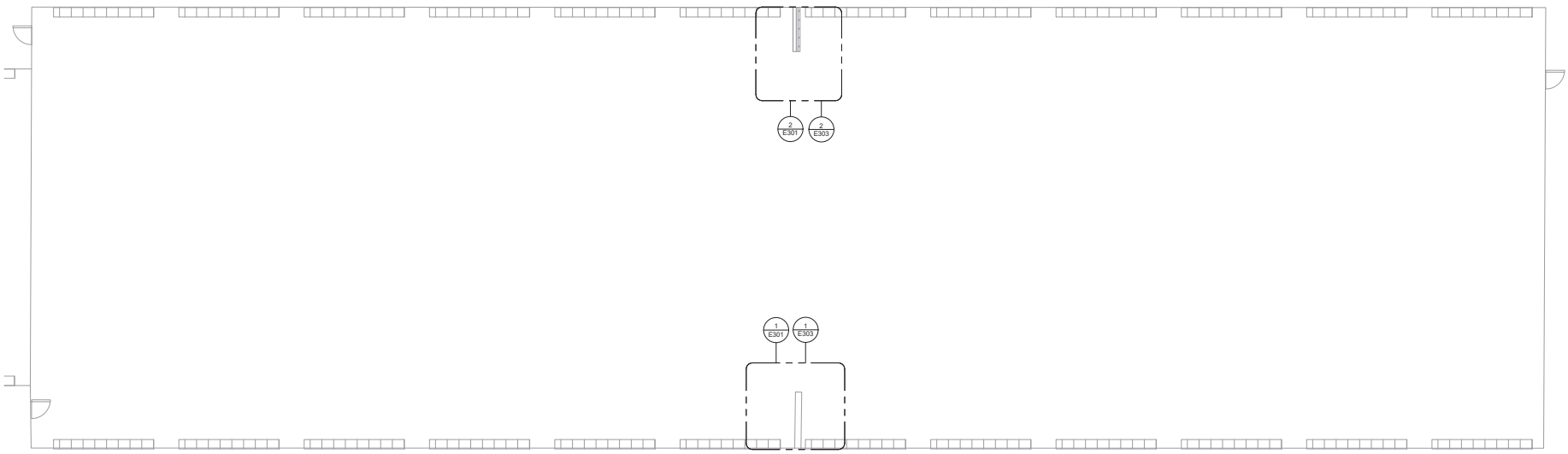
BUILDING C

SHEET NUMBER

E203

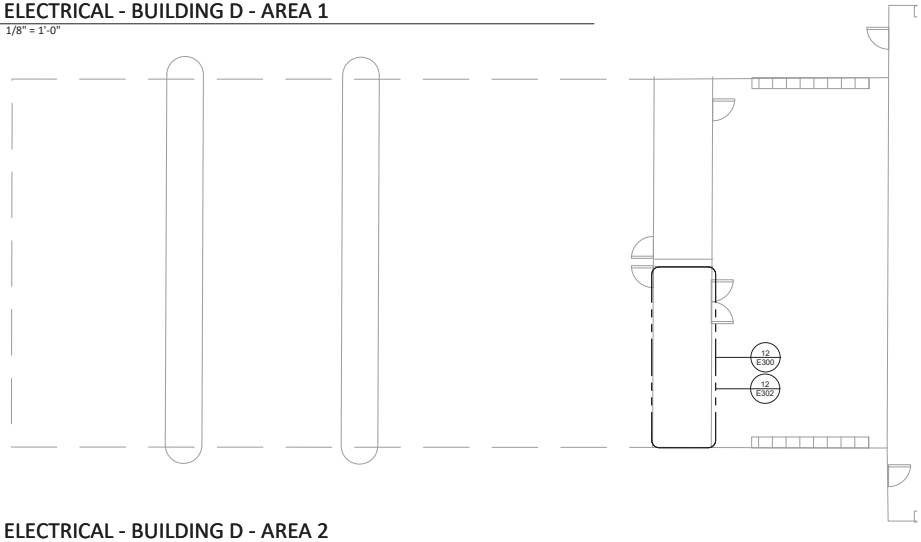
GENERAL ELECTRICAL NOTES:

A. SEE SHEETS ES01 AND S02 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.



1 E204 **ELECTRICAL - BUILDING D - AREA 1**

1/8" = 1'-0"



2 E204 **ELECTRICAL - BUILDING D - AREA 2**

1/8" = 1'-0"

N

0' 4' 8' 16' 24'

SCALE: 1/8" = 1'-0"

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△ REVISION SCHEDULE

100% CD	09/24/2024
JOB NUMBER:	20240170

SHEET TITLE

BUILDING D

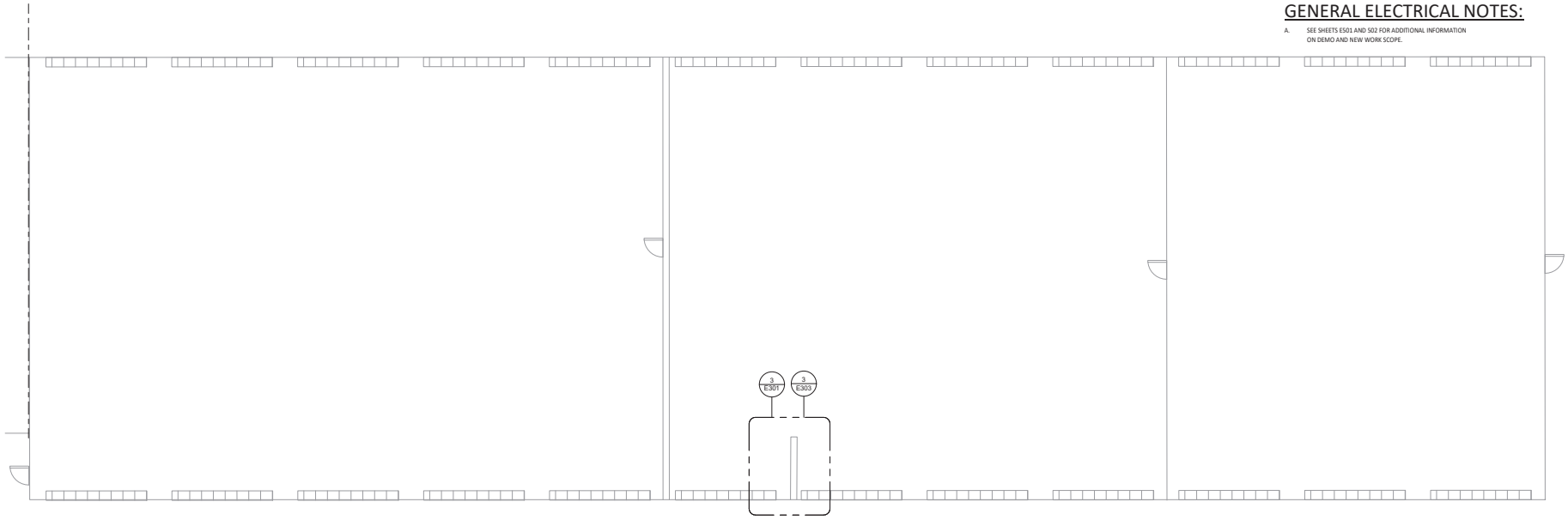
SHEET NUMBER

E204

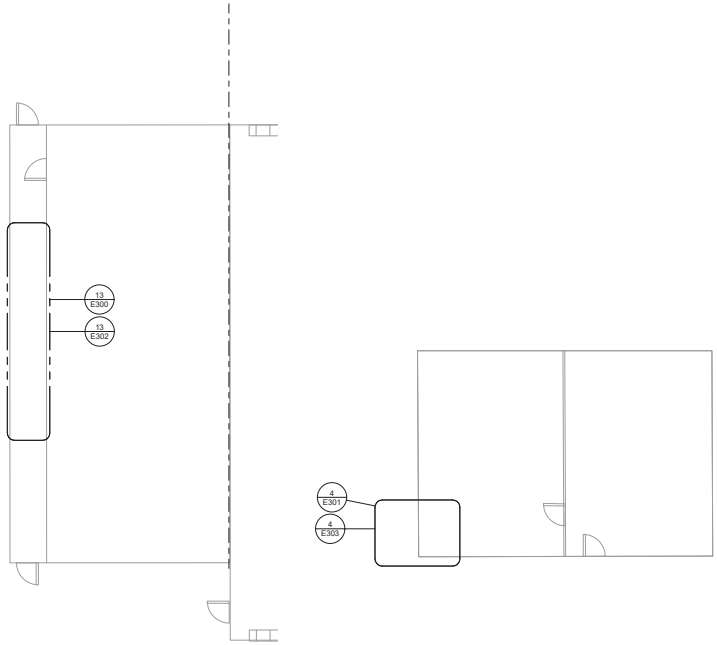
5/30/2024 8:00:26 AM

GENERAL ELECTRICAL NOTES:

A. SEE SHEETS E501 AND 502 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.



1 E205 ELECTRICAL - BUILDING E - AREA 1 - DEMOLITION
1/8" = 1'-0"



2 E205 ELECTRICAL - BUILDING E - AREA 2
1/8" = 1'-0"

5 E205 ELECTRICAL - HAZMAT BUILDING
1/8" = 1'-0"

N

0' 4' 8' 16' 24'
SCALE: 1/8" = 1'-0"

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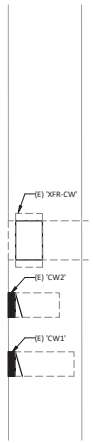
SHEET TITLE

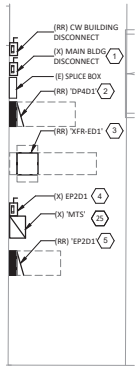
BUILDING E & HAZMAT

SHEET NUMBER

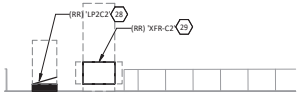
E205



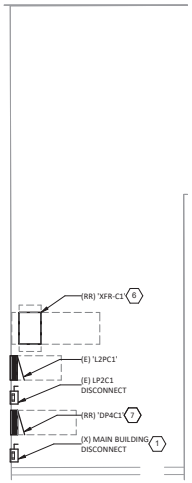
13 E300 BUILDING E ELECTRICAL ROOM
1/4" = 1'-0"



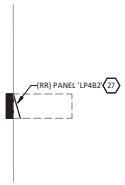
12 E300 BUILDING D ELECTRICAL ROOM
1/4" = 1'-0"



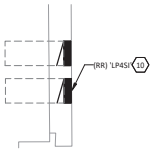
11 E300 BUILDING C SHOP
1/4" = 1'-0"



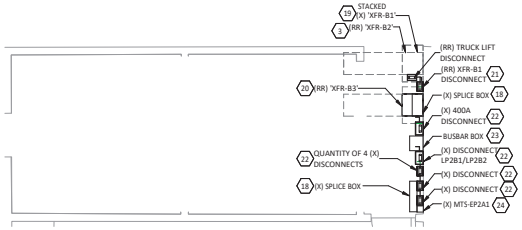
10 E300 BUILDING C ELECTRICAL ROOM
1/4" = 1'-0"



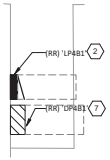
9 E300 BUIDLING B SHOP
1/4" = 1'-0"



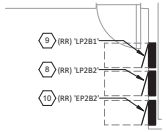
8 E300 BUILDING B - CLOSET
1/4" = 1'-0"



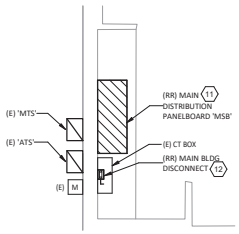
7 E300 BUILDING B - MEZZANINE
1/4" = 1'-0"



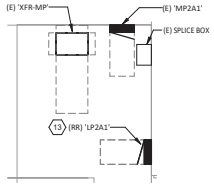
6 E300 BUILDING B SHOP AREA ALCOVE
1/4" = 1'-0"



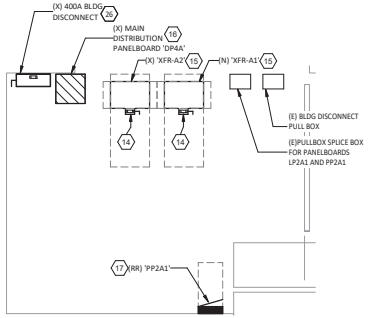
5 E300 BUILDING B LUNCH ROOM
1/4" = 1'-0"



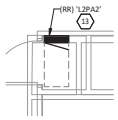
4 E300 BUILDING B ELECTRICAL ROOM
1/4" = 1'-0"



3 E300 BUILDING A ELECTRICAL ROOM
1/4" = 1'-0"



2 E300 ELECTRICAL - BUILDING A - LEVEL 2 UTILITY
1/4" = 1'-0"



1 E300 BUILDING A OFFICE CLOSET
1/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

A. SEE SHEETS ES01 AND S02 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.

KEY NOTES

1. EXISTING MAIN BLDG DISCONNECT TO BE DISCONNECTED AND REMOVED. EXTEND ASSOCIATED WIRING TO NEW PANELBOARD WITH MAIN BREAKER.
2. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 225A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
3. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED IN SAME PLACE WITH NEW 15KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
4. EXISTING PANEL DISCONNECT TO BE DISCONNECTED AND REMOVED ALONG WITH ALL ASSOCIATED WIRING.
5. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 100A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
6. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED IN SAME PLACE WITH NEW 37.5KVA 480V:240/120V 1 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
7. EXISTING DISTRIBUTION PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 400A, 480/277V, 3 PHASE, 4 WIRE DISTRIBUTION BOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
8. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 400A,, 208/120V, 3 PHASE, 4 WIRE MLO PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
9. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 400A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD WITH FEED THROUGH LUGS. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
10. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
11. EXISTING DISTRIBUTION BOARD TO BE DISCONNECTED AND REPLACED WITH NEW SWITCHGEAR WITH MAIN BREAKER, SEE ONELINE DIAGRAMS FOR ADDITIONAL INFORMATION.
12. EXISTING DISCONNECT TO BE DISCONNECTED AND REPLACED WITH NEW. REFEED WIRES AND CONDUIT TO NEW MAIN BREAKER. SEE ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
13. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 54 CIRCUIT, 225A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL. SEE SHEETS ES01 AND ES02 FOR ADDITIONAL INFORMATION.
14. EXISTING DISCONNECT MOUNTED ABOVE TRANSFORMER TO BE REPLACED WITH NEW IN LIKE KIND.
15. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW IN LIKE KIND.
16. EXISTING DISTRIBUTION BOARD TO BE DISCONNECTED AND REPLACED WITH NEW SWITCHGEAR WITH MAIN BREAKER, SEE ONELINE DIAGRAMS FOR ADDITIONAL INFORMATION.
17. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 225A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
18. EXISTING SPLICE BOX TO BE DISCONNECTED AND REMOVED ALONG WITH ALL ASSOCIATED WIRING.
19. EXISTING TRANSFORMER TO BE REMOVED ALONG WITH ALL ASSOCATED WIRING.EQUIPMENT TO BE CONNECTED TO NEW PANELBOARD. SEE NEW WORK PLAN AND ONELINES FOR ADDITIONAL INFORMATION.
20. EXISTING TRANSFORMER TO BE DISCONNECT AND REPLACED IN SAME PLACEWITH NEW 75KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
21. EXISTING DISCONNECT TO BE DISCONNECTED AND REPLACED WITH NEW. SEE ONE-LINE DIAGRAMS FOR ADDITIONAL INFORMATION.
22. EXISTING DISCONNECT TO BE DISCONNECTED AND REMOVED. EXISTING DOWNSTREAM FEEDER TO BE CONNECTED AND EXTENDED TO NEW PANELBOARD.
23. EXISTING BUSBAR BOX TO BE DISCONNECTED, REMOVED AND REPLACED WITH NEW PANELBOARD. SEE ONELINE DIAGRAMS FOR ADDITIONAL INFORMATION.
24. EXISTING MTS TO BE DISCONNECTED AND REMOVED. EXISTING DOWNSTREAM FEEDER TO BE CONNECTED AND EXTENDED TO NEW PANEL.
25. EXISTING MTS TO BE DISCONNECTED AND REMOVED WITH ALL ASSOCIATED WIRING.
26. EXISTING BUILDING A DISCONNECT TO BE DISCONNECTED AND REPLACED WITH NEW PANELBOARD. RECONNECT AND EXTEND MAIN FEEDER TO THIS LOCATION.
27. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 225A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
28. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 54 CIRCUIT, 100A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL. SEE SHEETS ES01 AND ES02 FOR ADDITIONAL INFORMATION.
29. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED IN THE SAME PLACE WITH NEW 30KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.

REGISTERED PROFESSIONAL ENGINEER
89813PE
OREGON
SEPT. 21, 2001
JOHN W. PRIVE
EXPIRES: 12/31/24

COLEBREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

ENLARGED PLANS DEMOLITION

SHEET NUMBER

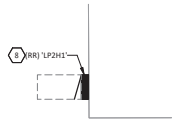
E300

GENERAL ELECTRICAL NOTES:

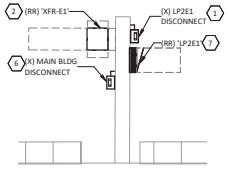
A. SEE SHEETS ES01 AND S02 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.

KEY NOTES

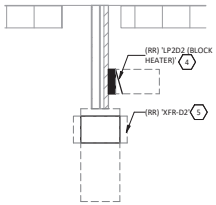
1. EXISTING PANEL DISCONNECT TO BE DISCONNECTED AND REMOVED ALONG WITH ALL ASSOCIATED WIRING.
2. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED IN SAME PLACE WITH NEW 15KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
3. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 100A 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL. SEE SHEETS ES01 AND ES02 FOR ADDITIONAL INFORMATION.
4. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 225A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
5. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED IN SAME PLACE WITH NEW 45KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
6. PROVIDE NEW 30 CIRCUIT, 100A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
7. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 100A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
8. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.



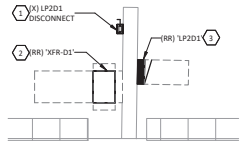
4 E301 HAZMAT
1/4" = 1'-0"



3 E301 BUILDING E TRUCK PARKING
1/4" = 1'-0"



2 E301 BUILDING D TRUCK PARKING HEATERS
1/4" = 1'-0"



1 E301 BUILDING D TRUCK PARKING
1/4" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
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ENLARGED PLANS DEMOLITION

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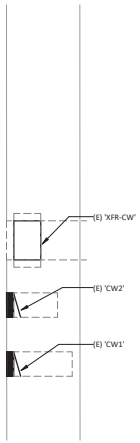
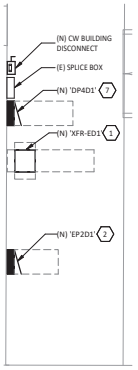
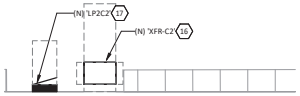
E301



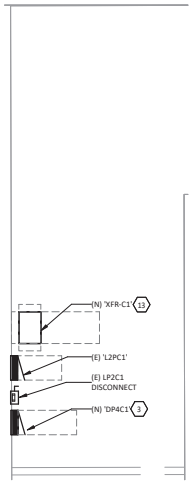
13 E302 BUILDING E ELECTRICAL ROOM NEW
1/4" = 1'-0"



12 E302 BUILDING D ELECTRICAL ROOM NEW
1/4" = 1'-0"



11 E302 BUILDING C SHOP NEW
1/4" = 1'-0"



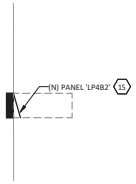
10 E302 BUILDING C ELECTRICAL ROOM NEW
1/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

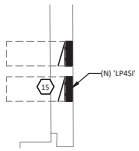
A. SEE SHEETS ES01 AND S02 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.

KEY NOTES

#	
1.	NEW 15KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
2.	NEW 42 CIRCUIT, 100A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
3.	NEW 400A, 480/277V, 3 PHASE, 4 WIRE DISTRIBUTION BOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
4.	NEW 800A, 480/277V, 3 PHASE, 4 WIRE, SWITCHGEAR WITH MAIN BREAKER, SEE ONELINE DIAGRAMS FOR ADDITIONAL INFORMATION.
5.	NEW 42 CIRCUIT, 400A, 208/120V, 3 PHASE, 4 WIRE MLO PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
6.	NEW 30 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
7.	NEW 42 CIRCUIT, 225A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
8.	NEW 400A, 480/277V, 3 PHASE, 4 WIRE, DISTRIBUTION BOARD WITH MAIN BREAKER, SEE ONELINE DIAGRAMS FOR ADDITIONAL INFORMATION.
9.	NEW 30 CIRCUIT, 225A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
10.	NEW 400A, 480/277V, 3 PHASE, 4 WIRE, DISTRIBUTION BOARD WITH MAIN BREAKER, SEE ONELINE DIAGRAMS FOR ADDITIONAL INFORMATION.
11.	NEW 54 CIRCUIT, 225A, 120/208V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
12.	NEW 75KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
13.	NEW 37.5KVA 480V:240/120V 1 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
14.	NEW PANELBOARD 400A, 208/120V, 3 PHASE, 4 WIRE. SEE ONELINE DIAGRAM FOR ADDITIONAL INFORMATION. REFEED EXISTING EQUIPMENT FROM DEMOLISHED DISCONNECTS AND TAPS.
15.	PROVIDE NEW 30 CIRCUIT, 100A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
16.	NEW 30KVA 480V:208/120V 3 PHASE TRANSFORMER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
17.	PROVIDE NEW 54 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.

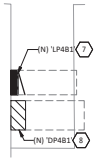


9 E302 BUIDLING B SHOP NEW
1/4" = 1'-0"

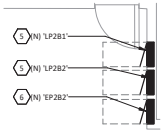


8 E302 BUILDING B CLOSET NEW
1/4" = 1'-0"

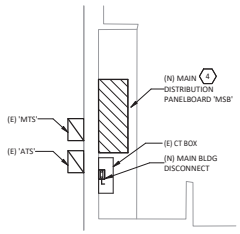
7 E302 BUILDING B MEZZANINE NEW
1/4" = 1'-0"



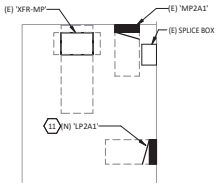
6 E302 BUILDING B SHOP AREA ALCOVE NEW
1/4" = 1'-0"



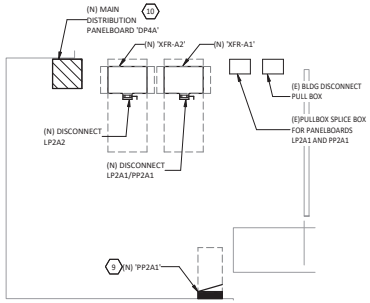
5 E302 BUILDING B LUNCH ROOM NEW
1/4" = 1'-0"



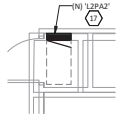
4 E302 BUILDING B ELECTRICAL ROOM NEW
1/4" = 1'-0"



3 E302 BUILDING A ELECTRICAL ROOM NEW
1/4" = 1'-0"



2 E302 BUILDING A LEVEL 2 UTILITY NEW
1/4" = 1'-0"



1 E302 BUILDING A OFFICE CLOSET NEW
1/4" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
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OREGON
SEPT 21, 2001
JOHN W. PRIVE
EXPIRES: 12/31/24

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DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

ENLARGED PLANS NEW WORK

SHEET NUMBER

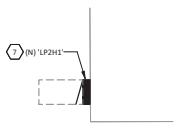
E302

GENERAL ELECTRICAL NOTES:

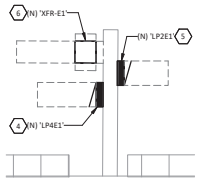
A. SEE SHEETS ES01 AND S02 FOR ADDITIONAL INFORMATION ON DEMO AND NEW WORK SCOPE.

KEY NOTES

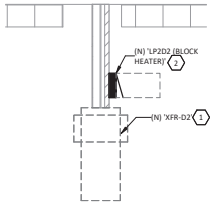
1. PROVIDE NEW TRANSFORMER. CONNECT AND EXTEND EXISTING WIRES AND CONDUIT AS NOTED.
2. PROVIDE NEW 30 CIRCUIT, 225A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
3. PROVIDE NEW 30 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
4. PROVIDE NEW 42 CIRCUIT, 225A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL ASSOCIATED EQUIPMENT FROM DEMOLITION OF EQUIPMENT DISCONNECTS AND SPLICE BOX.
5. PROVIDE NEW 42 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
6. PROVIDE NEW 15 KVA TRANSFORMER 480V:208/120V, 3 PHASE, 4 WIRE. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
7. PROVIDE NEW 30 CIRCUIT, 225A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.



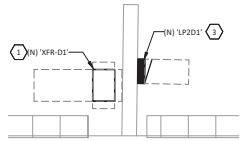
4 E303 HAZMAT NEW
1/4" = 1'-0"



3 E303 BUILDING E TRUCK PARKING NEW
1/4" = 1'-0"



2 E303 BUILDING D TRUCK PARKING HEATERS NEW
1/4" = 1'-0"



1 E303 BUILDING D TRUCK PARKING NEW
1/4" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER
89813PE
OREGON
SEPT 21, 2001
JOHN W. PRIVE
EXPIRES: 12/31/24

COLEBREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

ENLARGED PLANS NEW WORK

SHEET NUMBER

E303

FEEDER SCHEDULE (COPPER)

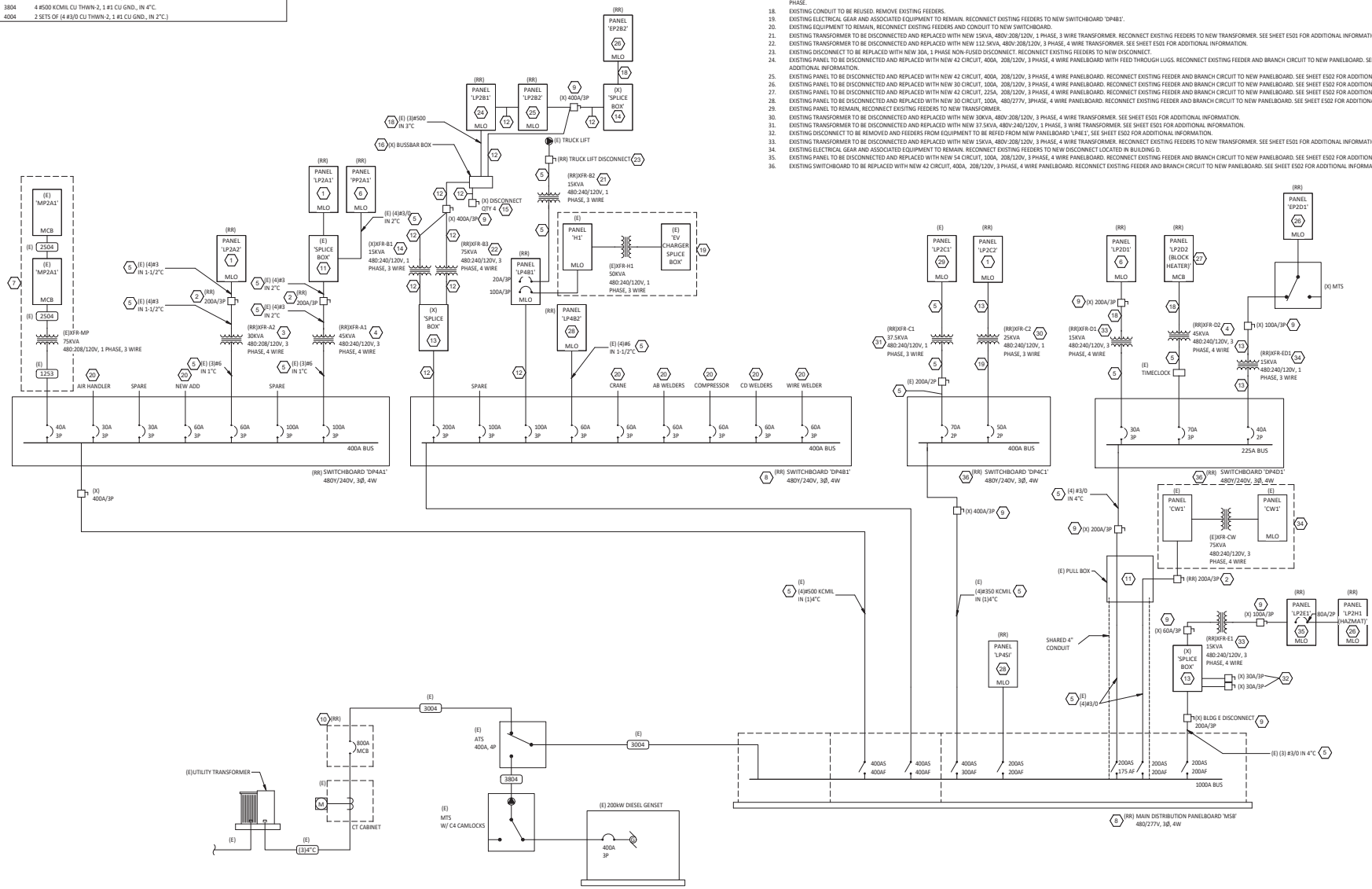
####	
(3)4"C	<varies>
303	3 #10 CU THWN-2, 1 #10 CU GND., IN 3/4"C.
503	3#6 CU THWN-2, 1 #6 CU GND., IN 1"C.
504	4#6 CU THWN-2, 1 #6 CU GND., IN 1"C.
703	3 #4 CU THWN-2, 1 #6 CU GND., IN 1-1/4"C.
1003	3 #2 CU THWN-2, 1 #4 CU GND., IN 1-1/4"C.
1004	4 #2 CU THWN-2, 1 #4 CU GND., IN 2"C.
1253	3 #1 CU THWN-2, 1 #4 CU GND., IN 1-1/2"C.
1254	4 #1 CU THWN-2, 1 #4 CU GND., IN 1-1/2"C.
1753	3 #2/0 CU THWN-2, 1 #4 CU GND., IN 2"C.
2504	4 #250 KCMIL CU THWN-2, 1 #2 CU GND., IN 3"C.
3004	4 #350 KCMIL CU THWN-2, 1 #2 CU GND., IN 3-1/2"C.
3504	4 #500 KCMIL CU TWHN, 1#3 GND., IN 3-1/2"C.
3804	4 #500 KCMIL CU THWN-2, 1 #1 CU GND., IN 4"C.
4004	2 SETS OF (4 #3/0 CU THWN-2, 1 #1 CU GND., IN 2"C.)

GENERAL ELECTRICAL NOTES:

A. EXISTING ELECTRICAL ONE LINE INFORMATION ARE BASED ON SITE VISITS. CONTRACTORS TO FIELD VERIFY EXACT CONDITIONS ON SITE AND REPORT ANY DISCREPANCY TO THE DESIGN TEAM.

SHEET KEYNOTES:

1. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 54 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
2. EXISTING DISCONNECT TO BE REPLACED WITH NEW 200A, 3 PHASE NON-FUSED DISCONNECT. RECONNECT EXISTING FEEDERS TO NEW DISCONNECT.
3. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW 30KVA, 480V:208/120V, 3 PHASE, 4 WIRE TRANSFORMER. RECONNECT EXISTING FEEDERS TO NEW TRANSFORMER. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
4. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW 45KVA, 480V:208/120V, 3 PHASE, 4 WIRE TRANSFORMER. RECONNECT EXISTING FEEDERS TO NEW TRANSFORMER. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
5. EXISTING CONDUIT AND FEEDERS TO BE REUSED FOR NEW WORK. RECONNECT EXISTING CONDUIT AND FEEDERS TO NEW PANELBOARDS, EXTEND AND SPLICE AS REQUIRED.
6. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 225A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
7. EXISTING ELECTRICAL GEAR AND ASSOCIATED EQUIPMENT TO REMAIN. RECONNECT EXISTING FEEDERS TO NEW SWITCHBOARD 'DP4A1'.
8. EXISTING SWITCHBOARD TO BE DISCONNECTED AND REPLACED WITH NEW SWITCHGEAR WITH MAIN BREAKER, SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
9. EXISTING DISCONNECT TO BE REMOVED.
10. EXISTING ENCLOSED CIRCUIT BREAKER TO BE DISCONNECTED AND REPLACED WITH NEW ADJUSTIBLE TRIP, LSI, ENCLOSED CIRCUIT BREAKER. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
11. EXISTING SPLICE BOX TO REMAIN.
12. EXISTING CONDUIT AND FEEDERS TO BE REMOVED.
13. EXISTING SPLICE BOX TO BE REMOVED ALONG WITH ALL ASSOCIATED WIRING.
14. EXISTING TRANSFORMER TO BE REMOVED ALONG WITH ALL ASSOCAITED WIRING.
15. EXISTING DISCONNECTS TO BE REMOVED AND FEEDERS FROM EQUIPMENT TO BE REFED FROM NEW PANELBOARD 'LP2B3'. PROVIDE NEW BREAKERS PER MANUFACTURER'S RECOMMENDATIONS. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
16. EXISTING BUS BAR BOX TO BE REMOVED. REFED ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD 'LP2B3', SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
17. EXISTING CONDUIT AND FEEDERS TO BE REUSED FOR NEW WORK. RECONNECT EXISTING CONDUIT AND FEEDERS TO NEW PANELBOARD 'LP2B1', EXTEND AND SPLICE AS REQUIRED. PROVIDE (1) ADDITIONAL #500KCMIL FEEDER FOR PANEL TO BECOME 3 PHASE.
18. EXISTING CONDUIT TO BE REUSED. REMOVE EXISTING FEEDERS.
19. EXISTING ELECTRICAL GEAR AND ASSOCIATED EQUIPMENT TO REMAIN. RECONNECT EXISTING FEEDERS TO NEW SWITCHBOARD 'DP4B1'.
20. EXISTING EQUIPMENT TO REMAIN, RECONNECT EXISTING FEEDERS AND CONDUIT TO NEW SWITCHBOARD.
21. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW 15KVA, 480V:208/120V, 1 PHASE, 3 WIRE TRANSFORMER. RECONNECT EXISTING FEEDERS TO NEW TRANSFORMER. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
22. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW 112.5KVA, 480V:208/120V, 3 PHASE, 4 WIRE TRANSFORMER. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
23. EXISTING DISCONNECT TO BE REPLACED WITH NEW 30A, 1 PHASE NON-FUSED DISCONNECT. RECONNECT EXISTING FEEDERS TO NEW DISCONNECT.
24. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 400A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD WITH FEED THROUGH LUGS. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
25. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 400A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
26. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
27. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 42 CIRCUIT, 225A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
28. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 30 CIRCUIT, 100A, 480/277V, 3PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
29. EXISTING PANEL TO REMAIN, RECONNECT EXISTING FEEDERS TO NEW TRANSFORMER.
30. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW 30KVA, 480V:208/120V, 3 PHASE, 4 WIRE TRANSFORMER. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
31. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW 37.5KVA, 480V:240/120V, 1 PHASE, 3 WIRE TRANSFORMER. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
32. EXISTING DISCONNECT TO BE REMOVED AND FEEDERS FROM EQUIPMENT TO BE REFED FROM NEW PANELBOARD 'LP4E1', SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
33. EXISTING TRANSFORMER TO BE DISCONNECTED AND REPLACED WITH NEW 15KVA, 480V:208/120V, 3 PHASE, 4 WIRE TRANSFORMER. RECONNECT EXISTING FEEDERS TO NEW TRANSFORMER. SEE SHEET ES01 FOR ADDITIONAL INFORMATION.
34. EXISTING ELECTRICAL GEAR AND ASSOCIATED EQUIPMENT TO REMAIN. RECONNECT EXISTING FEEDERS TO NEW DISCONNECT LOCATED IN BUILDING D.
35. EXISTING PANEL TO BE DISCONNECTED AND REPLACED WITH NEW 54 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.
36. EXISTING SWITCHBOARD TO BE REPLACED WITH NEW 42 CIRCUIT, 400A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT EXISTING FEEDER AND BRANCH CIRCUIT TO NEW PANELBOARD. SEE SHEET ES02 FOR ADDITIONAL INFORMATION.



1 E501 DEMO ONE-LINE DIAGRAM
12" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER 69813PE OREGON SEPT. 21, 2001 JOHN W. PRIVE EXPIRES: 12/31/24

COLE BREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

ONE LINE DIAGRAM - DEMO

SHEET NUMBER

E501

5/30/2024 8:08:13 AM

FEEDER SCHEDULE (COPPER)

#####	
(3)4"C	<varies>
303	3 #10 CU THWN-2, 1 #10 CU GND., IN 3/4"C.
503	3#6 CU THWN-2, 1 #6 CU GND., IN 1"C.
504	4#6 CU THWN-2, 1 #6 CU GND., IN 1"C.
703	3 #4 CU THWN-2, 1 #6 CU GND., IN 1-1/4"C.
1003	3 #2 CU THWN-2, 1 #4 CU GND., IN 1-1/4"C.
1004	4 #2 CU THWN-2, 1 #4 CU GND., IN 2"C.
1253	3 #1 CU THWN-2, 1 #4 CU GND., IN 1-1/2"C.
1254	4 #1 CU THWN-2, 1 #4 CU GND., IN 1-1/2"C.
1753	3 #2/0 CU THWN-2, 1 #4 CU GND., IN 2"C.
2504	4 #250 KCMIL CU THWN-2, 1 #2 CU GND., IN 3"C.
3004	4 #350 KCMIL CU THWN-2, 1 #2 CU GND., IN 3-1/2"C.
3504	4 #500 KCMIL CU TWHN, 1#3 GND., IN 3-1/2"C.
3804	4 #500 KCMIL CU THWN-2, 1 #1 CU GND., IN 4"C.
4004	2 SETS OF (4 #3/0 CU THWN-2, 1 #1 CU GND., IN 2"C.)

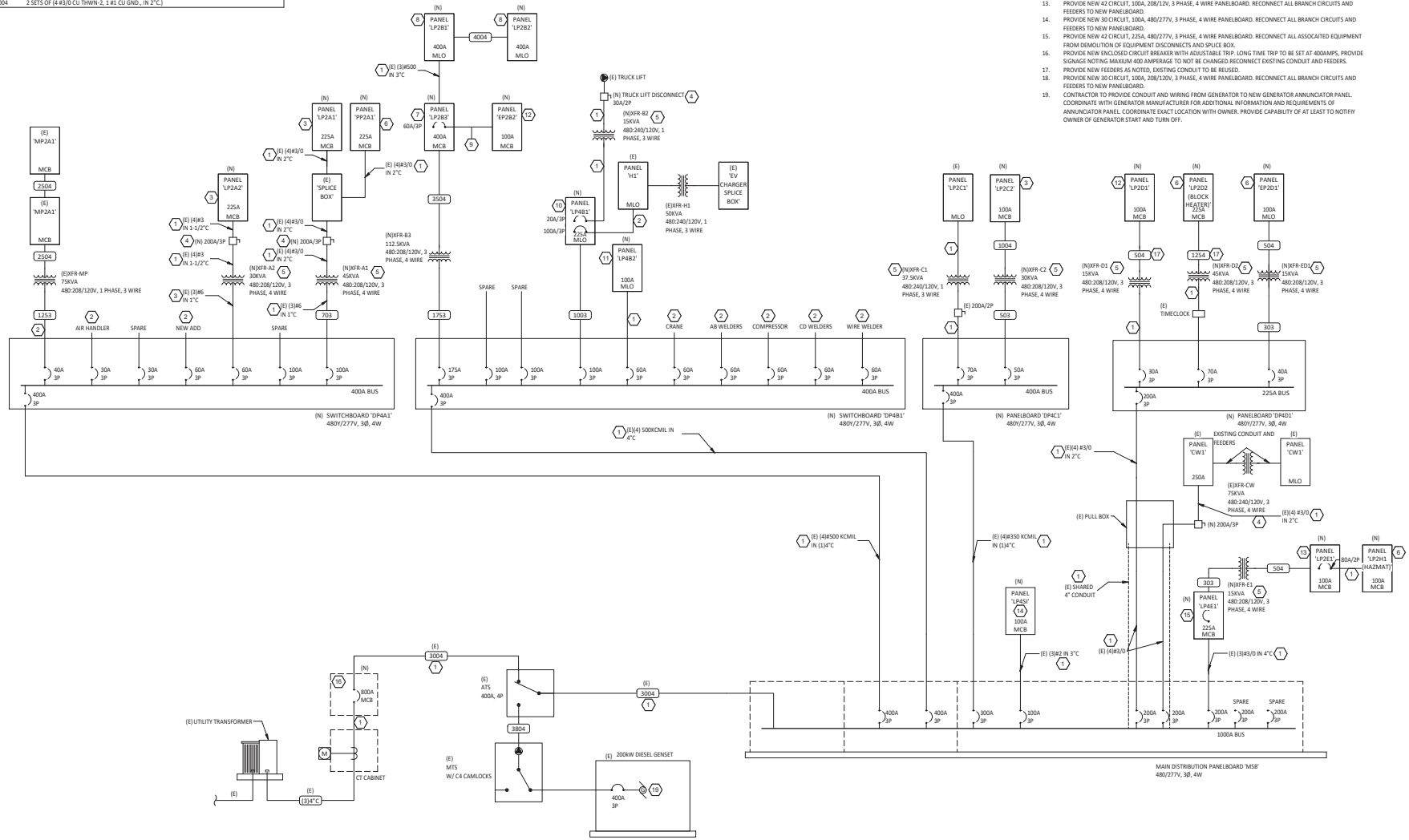
GENERAL ELECTRICAL NOTES:

A. EXISTING ELECTRICAL ONE LINE INFORMATION ARE BASED ON SITE VISITS. CONTRACTORS TO FIELD VERIFY EXACT CONDITIONS ON SITE AND REPORT ANY DISCREPANCY TO THE DESIGN TEAM.

B. SEE PANEL SCHEDULES FOR ADDITIONAL INFORMATION.

SHEET KEYNOTES:

1. EXISTING CONDUIT AND FEEDERS TO BE REUSED. RECONNECT EXISTING CONDUIT AND FEEDERS TO NEW PANELBOARDS, EXTEND AND SPLICE AS REQUIRED.
2. EXISTING EQUIPMENT TO REMAIN, RECONNECT EXISTING FEEDERS AND CONDUIT TO NEW SWITCHBOARD.
3. PROVIDE NEW 54 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
4. PROVIDE NEW NON-FUSED DISCONNECT. CONNECT AND EXTEND EXISTING WIRES AND CONDUIT AS NOTED.
5. PROVIDE NEW TRANSFORMER. CONNECT AND EXTEND EXISTING WIRES AND CONDUIT AS NOTED.
6. PROVIDE NEW 30 CIRCUIT, 225A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
7. PROVIDE NEW 54 CIRCUIT, 400A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD, RECONNECT ALL ASSOCIATED EQUIPMENT FROM DEMOLITION OF THE BUS BAR BOX, EQUIPMENT DISCONNECTS, AND SPLICE BOX.
8. PROVIDE NEW 42 CIRCUIT, 400A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
9. PROVIDE (4)#6, (1)#10GND IN EXSITING CONDUIT.
10. PROVIDE NEW 42 CIRCUIT, 225A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
11. PROVIDE NEW 30 CIRCUIT, 100A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
12. PROVIDE NEW 30 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
13. PROVIDE NEW 42 CIRCUIT, 100A, 208/12V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
14. PROVIDE NEW 30 CIRCUIT, 100A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
15. PROVIDE NEW 42 CIRCUIT, 225A, 480/277V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL ASSOCAITED EQUIPMENT FROM DEMOLITION OF EQUIPMENT DISCONNECTS AND SPLICE BOX.
16. PROVIDE NEW ENCLOSED CIRCUIT BREAKER WITH ADJUSTABLE TRIP. LONG TIME TRIP TO BE SET AT 400AMPS. PROVIDE SIGNAGE NOTING MAXIUM 400 AMPERAGE TO NOT BE CHANGED.RECONNECT EXISTING CONDUIT AND FEEDERS.
17. PROVIDE NEW FEEDERS AS NOTED, EXISTING CONDUIT TO BE REUSED.
18. PROVIDE NEW 30 CIRCUIT, 100A, 208/120V, 3 PHASE, 4 WIRE PANELBOARD. RECONNECT ALL BRANCH CIRCUITS AND FEEDERS TO NEW PANELBOARD.
19. CONTRACTOR TO PROVIDE CONDUIT AND WIRING FROM GENERATOR TO NEW GENERATOR ANNUNCIATOR PANEL. COORDINATE WITH GENERATOR MANUFACTURER FOR ADDITIONAL INFORMATION AND REQUIREMENTS OF ANNUNCIATOR PANEL. COORDINATE EXACT LOCATION WITH OWNER. PROVIDE CAPABILITY OF AT LEAST TO NOTIFY OWNER OF GENERATOR START AND TURN OFF.



1 E502 ONE-LINE DIAGRAM
12" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER 69813PE OREGON SEPT. 21, 2001 JOHN W. PRIVITE EXPIRES: 12/31/24

COLEBREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

ONE LINE DIAGRAM - NEW WORK

SHEET NUMBER

E502

'PP2A1' (N)

LOCATION: BA LEVEL 2 UTILITY
SUPPLY FROM: XFR-A1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Φ, 4W
MAINS RATING: 225A
BUSSING RATING: 225 A
K.A.I.C. RATING: MATCH EXISTING
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 BY PANEL	--		20	1	0 0			1	20		--	SPARE	2
3	UPS COMPUTER SYSTMS	--		50	1		0 0		1	20		--	TELE BRD RECEPT	4
5	3 B1 & 2 RECEPT MECH ROOM	--		20	1			0 0	1	20		--	SPARE	6
7	SPARE	--		20	1	0 0			1	20		--	AIR HANDLER CONTROL	8
9	WALL HEATER WOMENS...	--		20	2		0 0		1	20		--	CIRCULATION PUMP	10
11	--	--	--	--	--			0 0	1	20		--	SPARE	12
13	WALL HEATER LOUNGE	--		20	2	0 0			2	20		--	WALL HEATER JANITORS...	14
15	--	--	--	--	--		0 0		--	--	--	--	--	16
17	FURNITURE OLD ENTRY WEST	--		20	1			0 0	2	50		--	SPARE	18
19	OUTLETS NEAR STAIRS	--		20	1	0 0			--	--	--	--	--	20
21	UPS	--		30	1		0 0		2	20		--	SPARE	22
23	BUSSED PROVISIONS	--		--	1			-- 0	--	--	--	--	--	24
25	SPARE	--		20	1	0 0			2	20		--	SPARE	26
27	SPARE	--		20	2		0 0		--	--	--	--	--	28
29	--	--	--	--	--			0 --	1	--		--	BUSSED PROVISIONS	30
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

'EP2B2' (N)

LOCATION: BB LUNCH ROOM
SUPPLY FROM: LP2B3
MOUNTING: FLUSH
ENCLOSURE: TYPE 1

VOLTAGE: 208Y/120V, 3Φ, 4W
MAINS RATING: 100 A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
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	COMMUNICATION...	--		20	1	0 0			1	20		--	1 TYPE A4, 2-R	2
3	COMMUNICATION...	--		20	1		0 0		1	20		--	3 RECEPT	4
5	SUB PNL ON MESS FOR HEA...	--		20	2			0 0	1	20		--	CIRC PUMP #1 EAST FLOOR	6
7	--	--	--	--	--	0 0			1	20		--	CIRC PUMP #2 EAST FLOOR	8
9	HEAT CONTROL AND T'S...	--		20	1		0 0		1	20		--	CIRC PUMP #3 OVERHEAD	10
11	CONTROL COMP	--		20	1			0 0	1	20		--	AIR DRYER LARGE COMP	12
13	AIR DRYER CONTROL COMP	--		20	1	0 0			1	20		--	SUP OFFICE	14
15	NET/LINK	--		20	1		0 0		1	20		--	SUP OFFICE	16
17	BOILER	--		20	1			0 0	1	20		--	SUPERVISOR OFFICE CUBICLES	18
19	SPARE	--		20	1	0 0			1	20		--	SPARE	20
21	SPARE	--		20	1		0 0		1	20		--	SPARE	22
23	SPARE	--		20	1			0 0	1	20		--	SPARE	24
25	SPARE	--		20	1	0 0			1	20		--	SPARE	26
27	SPARE	--		20	1		0 0		1	20		--	SPARE	28
29	SPARE	--		20	1			0 0	1	20		--	SPARE	30
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

'LP4B1' (N)

LOCATION: BB SHOP ALCOVE
SUPPLY FROM: DP4B1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480Y/277V, 3Φ, 4W
MAINS RATING: MLO
BUSSING RATING: 225 A
K.A.I.C. RATING: MATCH EXISTING
FEED-THRU LUGS: Yes

CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT
1	3 TYPE M2,3-M3 WELD	--		20	1	0 0			1	20		--	6 TYPE M2 SHOP	2
3	3 TYPE M2, 3 M3 SHOP	--		20	1		0 0		1	20		--	SPARE	4
5	6 TYPE M1 SHOP	--		20	1			0 0	1	20		--	12 TYPE K2 PARTS	6
7	6 TYPE M1 SHOP	--		20	1	0 0			1	20		--	4 TYPE S3 SECURITY, TIME...	8
9	5 TYPE M2,4-N1 SHOP	--		20	1		0 0		1	20		--	4 TYPE S3 SECURITY	10
11	SPARE	--		20	1			0 0	1	20		--	SPARE	12
13	3 OVERHEAD DOOR OPENERS	--		20	3	0 0			1	20		--	K-2 FIXT PARTS	14
15	--	--	--	--	--		0 0		1	20		--	SPARE	16
17	--	--	--	--	--			0 0	1	20		--	SPARE	18
19	3 OVERHEAD DOOR OPENERS	--		20	3	0 0			3	20		--	2 OVERHEAD DOOR OPENERS	20
21	--	--	--	--	--		0 0		--	--	--	--	--	22
23	--	--	--	--	--			0 0	--	--	--	--	--	24
25	SERVICE PIT COVER MOTOR	--		20	3	0 0			3	20		--	2 HP VEHICLE EXHAUST...	26
27	--	--	--	--	--		0 0		--	--	--	--	--	28
29	--	--	--	--	--			0 0	--	--	--	--	--	30
31	SPARE	--		20	3	0 0			3	20		--	SPARE	32
33	--	--	--	--	--		0 0		--	--	--	--	--	34
35	--	--	--	--	--			0 0	--	--	--	--	--	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:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

'LP2A1' (N)

LOCATION: BA ELECTRICAL ROOM
SUPPLY FROM: XFR-A1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Φ, 4W
MAINS RATING: 225 A
BUSSING RATING: 225 A
K.A.I.C. RATING: MATCH EXISTING
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	TYPE G RECEPTION	--		20	1	0 0			1	20		--	NIGHT LIGHTS	2
3	LOBBY AND VAULT LIGHTS	--		20	1		0 0		1	20		--	LUNCH ROOM AND HALL...	4
5	A4 HOBBY LIGHTS	--		20	1			0 0	1	20		--	IRRIGATION TIME CLOCK	6
7	A4 ACCOUNTING LIGHTS	--		20	1	0 0			1	20		--	A4 LUNCH ROOM LIGHTS	8
9	A4 ACCOUNTING LIGHTS	--		20	1		0 0		1	20		--	A2 MENS ROOM AND MUD...	10
11	A4 ACCOUNTING LIGHTS	--		20	1			0 0	1	20		--	MENS AND MUD ROOM...	12
13	LOUNGE LIGHTS	--		20	1	0 0			1	20		--	IG2 GALL LIGHTS	14
15	B2 LIGHTS	--		20	1		0 0		1	20		--	HALL LIGHT TRACT SPARE	16
17	RANGE RECEPT LUNCH ROOM	--		40	2			0 0	1	20		--	G2 HALL LIGHTS	18
19	--	--	--	--	--	0 0			1	20		--	HALL LIGHT AND TRACT SPARE	20
21	4 RECEPT ACCT	--		20	1		0 0		1	20		--	A BLDG LIGHTS	22
23	4 RECEPT ACCOUNTING	--		20	1			0 0	1	20		--	A BLDG LIGHTS TIME CLOCK	24
25	3 RECEPT ACCOUNTING	--		20	1	0 0			1	20		--	A BLD LIGHTS	26
27	4 RECEPT ACCOUNTING	--		20	1		0 --		1	--		--	BUSSED PROVISIONS	28
29	4 RECEPT LOUNGE AND ACCT	--		20	1			0 0	1	20		--	GATE	30
31	SPARE	--		20	1	0 0			1	20		--	RECEPT LUNCH ROOM &...	32
33	LUNCH ROOM MICROWAVE	--		20	1		0 0		1	20		--	RECEPT LUNCH & WOMENS...	34
35	GENERATOR CONTROL...	--		20	1			0 0	1	20		--	RECEPT JANITOR AND LUNC...	36
37	BLOCK HEATER	--		20	1	0 0			1	20		--	REFR AND COUNTER RECEPTS	38
39	SPARE	--		20	2		0 0		1	30		--	WATER HEATER	40
41	--	--	--	--	--			0 0	1	20		--	DISHWASHER	42
43	SPARE	--		20	1	0 0			1	20		--	SPARE	44
45	SPARE	--		20	1		0 0		1	20		--	SPARE	46
47	SPARE	--		20	1			0 0	1	20		--	SPARE	48
49	SPARE	--		20	1	0 0			1	20		--	SPARE	50
51	SPARE	--		20	1		0 0		1	20		--	SPARE	52
53	SPARE	--		20	1			0 0	1	20		--	SPARE	54
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

'LP2B1' (N)

LOCATION: BB LUNCH ROOM
SUPPLY FROM: LP2B3
MOUNTING: FLUSH
ENCLOSURE: TYPE 1

VOLTAGE: 208Y/120V, 3Φ, 4W
MAINS RATING: MLO
BUSSING RATING: 400 A
K.A.I.C. RATING: MATCH EXISTING
FEED-THRU LUGS: Yes

CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT
1	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	2
3	EXISTING LOADS	--		20	1		0 0		1	20		--	EXISTING LOADS	4
5	EXISTING LOADS	--		20	1			0 0	1	20		--	EXISTING LOADS	6
7	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	8
9	EXISTING LOADS	--		20	1		0 0		2	30		--	EXISTING LOADS	10
11	EXISTING LOADS	--		20	1			0 0	--	--	--	--	--	12
13	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	14
15	EXISTING LOADS	--		20	1		0 0		1	20		--	EXISTING LOADS	16
17	EXISTING LOADS	--		20	1			0 0	1	20		--	EXISTING LOADS	18
19	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	20
21	EXISTING LOADS	--		20	1		0 0		1	20		--	EXISTING LOADS	22
23	EXISTING LOADS	--		20	1			0 0	1	20		--	EXISTING LOADS	24
25	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	26
27	EXISTING LOADS	--		20	1		0 0		2	20		--	EXISTING LOADS	28
29	EXISTING LOADS	--		30	2			0 0	--	--	--	--	--	30
31	--	--	--	--	--	0 0			2	20		--	EXISTING LOADS	32
33	EXISTING LOADS	--		30	2		0 0		--	--	--	--	--	34
35	--	--	--	--	--			0 0	1	20		--	EXISTING LOADS	36
37	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	38
39	EXISTING LOADS	--		30	2		0 0		2	30		--	EXISTING LOADS	40
41	--	--	--	--	--			0 0	--	--	--	--	--	42
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

'L2PA2' (N)

LOCATION: BA OFFICE CLOSET
SUPPLY FROM: XFR-A2
MOUNTING: FLUSH
ENCLOSURE: TYPE 1

VOLTAGE: 208Y/120V, 3Φ, 4W
MAINS RATING: 225 A
BUSSING RATING: 225 A
K.A.I.C. RATING: MATCH EXISTING
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	A4 CONFERENCE LIGHTS	--		20	1	0 0			1	20		--	NIGHT LIGHTS	2
3	G1 CONFERENCE LIGHTS	--		20	1		0 0		1	20		--	VAULT AND HALL LIGHTS	4
5	A4 ROADMASTER LIGHTS	--		20	1			0 0	1	20		--	A4 ENGR OFFICE LIGHTS	6
7	POWER POLE - ENG	--		20	1	0 0			1	20		--	A4 DESIGN AREA LIGHTS	8
9	A4 FOREMAN LIGHTS	--		20	1		0 0		1	20		--	A4 DESIGN AREA LIGHTS	10
11	FAN CONFERENCE	--		20	1			0 0	1	20		--	A4 INSPECT GROUP LIGHTS	12
13	TIME CLOCK	--		20	2	0 0			1	20		--	A4 INSPECT GROUP LIGHTS	14
15	--	--	--	--	--		0 0		1	20		--	A4 ESTAB CREW LIGHTS	16
17	OFFICE PARKING LOT LIGHTS	--		20	1			0 0	1	20		--	A4 ESTAB CREW LIGHTS	18
19	SPARE	--		20	1	0 0			1	20		--	OFFICE RECEPT NE OF PNL	20
21	RECEPT HALL MUD RM	--		20	1		0 0		1	20		--	RECEPT ENGR RM	22
23	RECEPT FOREMAN AND CON...	--		20	1			0 0	1	20		--	RECEPT DESIGN AREA	24
25	RECEPT CONF AND HALL	--		20	1	0 0			1	20		--	RECEPT AND PRINT MACHINE	26
27	RECEPT ESTAB CREW	--		20	1		0 0		1	20		--	RECEPT AND FLOOR RECEPT	28
29	RECEPT CONF AND...	--		20	1			0 0	1	20		--	RECEPT MOVEABLE PART	30
31	PLUG UNDER PNL	--		20	1	0 --			1	--		--	BUSSED PROVISIONS	32
33	HALL RECEPTS	--		20	1		0 0		1	20		--	RECEPT MOVEABLE PART	34
35	BUSSED PROVISIONS	--		--	1			-- 0	1	20		--	RECEPT ESTAB CREW	36
37	WEST RECEPT	--		20	2	0 0			1	20		--	SPARE	38
39	--	--	--	--	--		0 0		1	20		--	SPARE	40
41	WEST RECEPT	--		20	1			0 --	1	--		--	BUSSED PROVISIONS	42
43	SPARE	--		20	1	0 0			1	20		--	SPARE	44
45	SPARE	--		20	1		0 0		1	20		--	SPARE	46
47	SPARE	--		20	1			0 0	1	20		--	SPARE	48
49	SPARE	--		20	1	0 0			1	20		--	SPARE	50
51	SPARE	--		20	1		0 0		1	20		--	SPARE	52
53	SPARE	--		20	1			0 0	1	20		--	SPARE	54
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

'L2PB2' (N)

LOCATION: BB LUNCH ROOM
SUPPLY FROM: LP2B1
MOUNTING: FLUSH
ENCLOSURE: TYPE 1

VOLTAGE: 208Y/120V, 3Φ, 4W
MAINS RATING: MLO
BUSSING RATING: 400 A
K.A.I.C. RATING: MATCH EXISTING
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	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	2
3	EXISTING LOADS	--		20	1		0 0		1	20		--	EXISTING LOADS	4
5	EXISTING LOADS	--		20	1			0 0	1	20		--	EXISTING LOADS	6
7	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	8
9	EXISTING LOADS	--		20	1		0 0		2	30		--	EXISTING LOADS	10
11	EXISTING LOADS	--		20	1			0 0	--	--	--	--	--	12
13	EXISTING LOADS	--		20	1	0 0			1	20		--	EXISTING LOADS	14
15	EXISTING LOADS	--		20	1		0 0		1	20		--	EXISTING LOADS	16
17	EXISTING LOADS	--		30	2			0 0	1	20		--	EXISTING LOADS	18
19	--	--	--	--	--	0 0			1	20		--	EXISTING LOADS	20
21	EXISTING LOADS	--		30	2		0 0		1	20		--	EXISTING LOADS	22
23	--	--	--	--	--			0 0	1	20		--	EXISTING LOADS	24
25	EXISTING LOADS	--		50	2	0 0			1	20		--	EXISTING LOADS	26
27	--	--	--	--	--		0 0		1	20		--	EXISTING LOADS	28
29	EXISTING LOADS	--		30	2			0 0	1	20		--	EXISTING LOADS	30
31	--	--	--	--	--	0 0			1	20		--	EXISTING LOADS	32
33	EXISTING LOADS	--		30	2		0 0		1	20		--	EXISTING LOADS	34
35	--	--	--	--	--			0 0	1	20		--	EXISTING LOADS	36
37	EXISTING LOADS	--		20	1	0 0			2	70		--	EXISTING LOADS	38
39	EXISTING LOADS	--		30	2		0 0		--	--	--	--	--	40
41	--	--	--	--	--			0 0	1	20		--	EXISTING LOADS	42
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

GENERAL ELECTRICAL NOTES:

A. CONTRACTOR TO VERIFY CIRCUIT BREAKER COUNT WITH EXISTING PANELS BEING REPLACED.

REGISTERED PROFESSIONAL ENGINEER
89813PE
OREGON
SEPT. 21, 2001
JOHN W. PRYDE
EXPIRES: 12/31/24

COLE BREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

△ REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

SCHEDULES

SHEET NUMBER

E601

'LP4SI' (N)

LOCATION: BB CLOSET
SUPPLY FROM: MSB
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480Y/277V, 3Ø, 4W
MAINS RATING: 100 A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
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	LIGHTS RM 121	--		20	1	0	0					1	20		--	YARD LIGHTS	2
3	GEN ROOM LIGHTS	--		20	1			0	0			1	20		--	YARD LIGHTS	4
5	SPARE	--		20	1					0	0	1	20		--	YARD LIGHTS	6
7	SPARE	--		20	1	0	0					1	20		--	YARD LIGHTS	8
9	SPARE	--		20	1			0	0			1	20		--	YARD LIGHTS	10
11	SPARE	--		20	1					0	0	1	20		--	YARDF LIGHTS	12
13	SPARE	--		20	3	0	--					1	--		--	BUSSED PROVISIONS	14
15	--	--	--	--	--			0	--			1	--		--	BUSSED PROVISIONS	16
17	--	--	--	--	--					0	--	1	--		--	BUSSED PROVISIONS	18
19	BUSSED PROVISIONS	--		--	1	--	--					1	--		--	BUSSED PROVISIONS	20
21	BUSSED PROVISIONS	--		--	1			--	--			1	--		--	BUSSED PROVISIONS	22
23	BUSSED PROVISIONS	--		--	1					--	--	1	--		--	BUSSED PROVISIONS	24
25	BUSSED PROVISIONS	--		--	1	--	--					1	--		--	BUSSED PROVISIONS	26
27	BUSSED PROVISIONS	--		--	1			--	--			1	--		--	BUSSED PROVISIONS	28
29	BUSSED PROVISIONS	--		--	1					--	--	1	--		--	BUSSED PROVISIONS	30
				Total Load:		0 VA		0 VA		0 VA							
				Total Amps:		0 A		0 A		0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

PANEL 'LP4B2' (N)

LOCATION: BB SHOP
SUPPLY FROM: DP4B1
MOUNTING: Recessed
ENCLOSURE: Type 1

VOLTAGE: 480Y/277V, 3Ø, 4W
MAINS RATING: 100A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
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	LIGHTS BAY 107	--		20	1	0	0					1	20		--	LIGHTS BAY 111	2
3	LIGHTS BAY 107	--		20	1			0	0			1	20		--	LIGHTS LUBE 110	4
5	LIGHTS REPAIR	--		20	1					0	0	1	20		--	LIGHTS BAY 110 & 111	6
7	SPARE	--		70	3	0	0					1	20		--	LIGHTS TIRED	8
9	--	--	--	--	--			0	0			1	20		--	SPARE	10
11	--	--	--	--	--					0	0	1	20		--	WATER HEATER	12
13	OVERHEAD DOOR OPENERS	--		20	3	0	0					3	20		--	OVERHEAD DOOR OPENERS	14
15	--	--	--	--	--			0	0			--	--	--	--	--	16
17	--	--	--	--	--					0	0	--	--	--	--	--	18
19	OVERHEAD DOOR OPENERS	--		20	3	0	0					3	20		--	ROOF FANS	20
21	--	--	--	--	--			0	0			--	--	--	--	--	22
23	--	--	--	--	--					0	0	--	--	--	--	--	24
25	SPARE	--		20	1	0	0					1	20		--	SPARE	26
27	SPARE	--		20	1			0	0			1	20		--	SPARE	28
29	SPARE	--		20	1					0	0	1	20		--	SPARE	30
				Total Load:		0 VA		0 VA		0 VA							
				Total Amps:		0 A		0 A		0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:

'LP2B3' (N)

LOCATION: BB MEZZANINE
SUPPLY FROM: XFR-B3
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING: 400 A MCB
BUSSING RATING: 400 A
K.A.I.C. RATING:
FEED-THRU LUGS: Yes

CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A (VA)		B (VA)		C (VA)		POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT
1	SPARE	--		20	1	0	0					3	100		--	EP2B2	2
3	SPARE	--		20	1			0	0			--	--	--	--	--	4
5	SPARE	--		20	1					0	0	--	--	--	--	--	6
7	SPARE	--		20	1	0	0					1	20		--	SPARE	8
9	SPARE	--		20	1			0	0			1	20		--	SPARE	10
11	SPARE	--		20	1					0	0	1	20		--	SPARE	12
13	SPARE	--		20	1	0	0					1	20		--	SPARE	14
15	SPARE	--		20	1			0	0			1	20		--	SPARE	16
17	SPARE	--		20	1					0	0	1	20		--	SPARE	18
19	SPARE	--		20	1	0	0					1	20		--	SPARE	20
21	SPARE	--		20	1			0	0			1	20		--	SPARE	22
23	SPARE	--		20	1					0	0	1	20		--	SPARE	24
25	SPARE	--		20	1	0	0					1	20		--	SPARE	26
27	SPARE	--		20	1			0	0			1	20		--	SPARE	28
29	SPARE	--		20	1					0	0	1	20		--	SPARE	30
31	SPARE	--		20	1	0	0					1	20		--	SPARE	32
33	SPARE	--		20	1			0	0			1	20		--	SPARE	34
35	SPARE	--		20	1					0	0	1	20		--	SPARE	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
43	SPARE	--		20	1	0	0					1	20		--	SPARE	44
45	SPARE	--		20	1			0	0			1	20		--	SPARE	46
47	SPARE	--		20	1					0	0	1	20		--	SPARE	48
49	SPARE	--		20	1	0	0					1	20		--	SPARE	50
51	SPARE	--		20	1			0	0			1	20		--	SPARE	52
53	SPARE	--		20	1					0	0	1	20		--	SPARE	54
				Total Load:		0 VA		0 VA		0 VA							
				Total Amps:		0 A		0 A		0 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
				TOTAL CONNECTED LOAD:	0 VA
				FEED-THRU LOAD:	0 VA
				TOTAL ESTIMATED DEMAND:	0 VA
				TOTAL CONNECTED CURRENT:	0 A
				TOTAL EST. DEMAND CURRENT:	0 A

NOTES:
1. PROVIDE NEW BREAKERS FOR (4) EQUIPMENT DISCONNECTS THAT ARE BE DEMOLISHED. COORDINATE WITH MANUFACTURER'S RECOMMENDATIONS FOR BREAKER SIZING. SEE DEMOLISHING ONE-LINE FOR ADDITIONAL INFORMATION.

GENERAL ELECTRICAL NOTES:

A. CONTRACTOR TO VERIFY CIRCUIT BREAKER COUNT WITH EXISTING PANELS BEING REPLACED.

REGISTERED PROFESSIONAL ENGINEER
89813PE
OREGON
SEPT. 21, 2001
JOHN W. PRIVE
EXPIRES: 12/31/24

COLEBREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

SCHEDULES

SHEET NUMBER

E602

'LP2E1' (N)

LOCATION: BE TRUCK PARKING
SUPPLY FROM: XFR-E1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING: 100 A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
FEED-THRU LUGS: Yes

CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT
1	EXISTING LOADS	--		30	1	0			1	30		--	EXISTING LOADS	2
3	EXISTING LOADS	--		30	1		0	0	1	30		--	SPAREEXISTING LOADS	4
5	EXISTING LOADS	--		30	1				1	30		--	EXISTING LOADS	6
7	EXISTING LOADS	--		30	1	0	0		1	30		--	EXISTING LOADS	8
9	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	10
11	EXISTING LOADS	--		20	1				1	20		--	EXISTING LOADS	12
13	EXISTING LOADS	--		20	1	0	0		1	20		--	EXISTING LOADS	14
15	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	16
17	EXISTING LOADS	--		20	1				1	20		--	EXISTING LOADS	18
19	EXISTING LOADS	--		20	1	0	0		1	20		--	EXISTING LOADS	20
21	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	22
23	EXISTING LOADS	--		80	2			0	2	50		--	EXISTING LOADS	24
25	--	--	--	--	--	0	0		--	--	--	--	--	26
27	EXISTING LOADS	--		30	1		0	0	2	15		--	EXISTING LOADS	28
29	SPARE	--		20	1			0	0	--	--	--	--	30
31	SPARE	--		20	1	0	0		1	20		--	SPARE	32
33	SPARE	--		20	1		0	0	1	20		--	SPARE	34
35	SPARE	--		20	1			0	1	20		--	SPARE	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	1	20		--	SPARE	42
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				FEED-THRU LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL EST. DEMAND CURRENT: 0 A

NOTES:

'LP2H1' (N)

LOCATION: HAZMAT
SUPPLY FROM: LP2E1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING: 100 A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
FEED-THRU LUGS:

CKT	CIRCUIT DESCRIPTION	LC	NOTE	TRIP (A)	POLE	A (VA)	B (VA)	C (VA)	POLE	TRIP (A)	NOTE	LC	CIRCUIT DESCRIPTION	CKT
1	MAIN	--		80	2	0	0		2	30		--	SAND SHED	2
3	--	--	--	--	--		0	0	--	--	--	--	--	4
5	LG BAY LIGHT	--		20	1	0		0	1	20		--	OUTSIDE LIGHTS	6
7	OUTSIDE PLUG	--		20	1	0	0		1	20		--	SHERIFF BAY	8
9	SPRINKLER SWITCH	--		20	1		0	0	1	20		--	FURNACE	10
11	DEQ SHED	--		60	2	0		0	1	20		--	PANEL GFCI PLUG	12
13	--	--	--	--	--	0	0		1	15		--	12 NE GATE	14
15	SPARE	--		20	1		0	0	1	20		--	SPARE	16
17	SPARE	--		20	1			0	1	20		--	SPARE	18
19	SPARE	--		20	1	0	0		1	20		--	SPARE	20
21	SPARE	--		20	1		0	0	1	20		--	SPARE	22
23	SPARE	--		20	1			0	1	20		--	SPARE	24
25	SPARE	--		20	1	0	0		1	20		--	SPARE	26
27	SPARE	--		20	1		0	0	1	20		--	SPARE	28
29	SPARE	--		20	1			0	1	20		--	SPARE	30
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				FEED-THRU LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL EST. DEMAND CURRENT: 0 A

NOTES:

'LP4E1' (N)

LOCATION: BE TRUCK PARKING
SUPPLY FROM: MSB
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 480Y/277V, 3Ø, 4W
MAINS RATING: 225 A
BUSSING RATING: 225 A
K.A.I.C. RATING:
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	XFR-E1	--		30	3	0	0		1	20		--	SPARE	2
3	--	--	--	--	--		0	0	1	20		--	SPARE	4
5	--	--	--	--	--			0	1	20		--	SPARE	6
7	SPARE	--		20	1	0	0		1	20		--	SPARE	8
9	SPARE	--		20	1		0	0	1	20		--	SPARE	10
11	SPARE	--		20	1			0	1	20		--	SPARE	12
13	SPARE	--		20	1	0	0		1	20		--	SPARE	14
15	SPARE	--		20	1		0	0	1	20		--	SPARE	16
17	SPARE	--		20	1			0	1	20		--	SPARE	18
19	SPARE	--		20	1	0	0		1	20		--	SPARE	20
21	SPARE	--		20	1		0	0	1	20		--	SPARE	22
23	SPARE	--		20	1			0	1	20		--	SPARE	24
25	SPARE	--		20	1	0	0		1	20		--	SPARE	26
27	SPARE	--		20	1		0	0	1	20		--	SPARE	28
29	SPARE	--		20	1			0	1	20		--	SPARE	30
31	SPARE	--		20	1	0	0		1	20		--	SPARE	32
33	SPARE	--		20	1		0	0	1	20		--	SPARE	34
35	SPARE	--		20	1			0	1	20		--	SPARE	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	1	20		--	SPARE	42
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				FEED-THRU LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL EST. DEMAND CURRENT: 0 A

NOTES:

'LP2D1' (N)

LOCATION: BD TRUCK PARKING
SUPPLY FROM: XFR-D1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING: 50 A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
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	LIGHTS	--		20	1	0	0		1	20		--	SPARE	2
3	SPARE	--		20	1		0	0	1	20		--	SPARE	4
5	SPARE	--		20	1			0	1	20		--	SPARE	6
7	SPARE	--		20	1	0	0		1	20		--	2 LIGHTING RELAYS	8
9	LIGHTS OVER DOORS OUTSIDE	--		20	1		0	0	1	20		--	SPARE	10
11	SPARE	--		20	1			0	1	20		--	SPARE	12
13	DOORS	--		20	1	0	0		1	20		--	DOORS	14
15	DOORS	--		20	1		0	0	1	20		--	DOORS	16
17	DOORS	--		20	1			0	1	20		--	DOORS	18
19	SPARE	--		20	1	0	0		1	20		--	DOORS	20
21	SPARE	--		20	1		0	0	1	20		--	SPARE	22
23	BUSSED PROVISIONS	--		--	1			--	1	--		--	BUSSED PROVISIONS	24
25	BUSSED PROVISIONS	--		--	1	--	--		1	--		--	BUSSED PROVISIONS	26
27	BUSSED PROVISIONS	--		--	1		--	--	1	--		--	BUSSED PROVISIONS	28
29	BUSSED PROVISIONS	--		--	1			--	1	--		--	BUSSED PROVISIONS	30
				Total Load:		0 VA		0 VA	0 VA					
				Total Amps:		0 A		0 A	0 A					

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				FEED-THRU LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL EST. DEMAND CURRENT: 0 A

NOTES:

'LP2D2 (BLOCK HEATER)' (N)

LOCATION: BD TRUCK PARKING
SUPPLY FROM: XFR-D2
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING: 125 MCB
BUSSING RATING: 225 A
K.A.I.C. RATING: MATCH EXISTING
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	EXISTING LOADS	--		20	1	0	0		1	20		--	EXISTING LOADS	2
3	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	4
5	EXISTING LOADS	--		20	1			0	1	20		--	EXISTING LOADS	6
7	EXISTING LOADS	--		20	1	0	0		1	20		--	EXISTING LOADS	8
9	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	10
11	EXISTING LOADS	--		20	1			0	1	20		--	EXISTING LOADS	12
13	EXISTING LOADS	--		20	1	0	0		1	20		--	EXISTING LOADS	14
15	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	16
17	EXISTING LOADS	--		20	1			0	1	20		--	EXISTING LOADS	18
19	EXISTING LOADS	--		20	1	0	0		1	20		--	EXISTING LOADS	20
21	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	22
23	EXISTING LOADS	--		20	1			0	1	20		--	EXISTING LOADS	24
25	EXISTING LOADS	--		20	1	0	0		1	20		--	EXISTING LOADS	26
27	EXISTING LOADS	--		20	1		0	0	1	20		--	EXISTING LOADS	28
29	EXISTING LOADS	--		20	1			0	1	20		--	EXISTING LOADS	30
31	SPARE	--		20	1	0	0		1	20		--	SPARE	32
33	SPARE	--		20	1		0	0	1	20		--	SPARE	34
35	SPARE	--		20	1			0	1	20		--	SPARE	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	1	20		--	SPARE	42
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				FEED-THRU LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL EST. DEMAND CURRENT: 0 A

NOTES:

'EP2D1' (N)

LOCATION: BD ELECTRICAL ROOM
SUPPLY FROM: XFR-ED1
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING: 50 A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
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 AND CAR WASH...	--		20	1	0			2	20	--	--	240V RECEPT	2
3	SPARE	--		20	1		0	0	--	--	--	--	--	4
5	4HP RELAY MATS	--		20	1			0	1	20		--	GAS SHACK WEST	6
7	SAFETY PUMP SWITCH	--		20	1	0	0		1	30		--	RECEPTS IN OIL ROOM	8
9	SPARE	--		30	2			0	1	20		--	SPARE	10
11	--	--	--	--	--			0	1	20		--	CARD READER & DISP PWR	12
13	SPARE	--		20	2	0	0		2	20		--	SPARE	14
15	--	--	--	--	--			0	--	--	--	--	--	16
17	SPARE	--		20	2			0	2	20	--	--	SPARE	18
19	--	--	--	--	--	0	0		--	--	--	--	--	20
21	BOILER	--		20	1		0	0	1	20		--	VACUUM	22
23	BLOCK HEATER & TIME CLOCK	--		20	1			0	1	20		--	GAS SHACK EAST	24
25	SPARE	--		20	1	0	0		2	15	--	--	PROPANE PUMP	26
27	BUSSED PROVISIONS	--		--	1			--	--	--	--	--	--	28
29	BUSSED PROVISIONS	--		--	1			--	1	--		--	BUSSED PROVISIONS	30
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				FEED-THRU LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL EST. DEMAND CURRENT: 0 A

NOTES:

'LP2C2' (N)

LOCATION: BC SHOP
SUPPLY FROM: XFR-C2
MOUNTING: Surface
ENCLOSURE: Type 1

VOLTAGE: 208Y/120V, 3Ø, 4W
MAINS RATING: 100 A
BUSSING RATING: 100 A
K.A.I.C. RATING: MATCH EXISTING
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	OFFICE PLUGS	--		20	1	0	0		1	20		--	SPARE	2
3	SPARE	--		20	1		0	0	1	20		--	SPARE	4
5	LIGHTS TRUCK ST	--		20	1			0	1	20		--	SPARE	6
7	OFFICE LIGHTS	--		20	1	0	0		1	20		--	PLUG TR ST	8
9	RELAY CONT	--		20	1		0	0	2	20		--	TABLE SAW	10
11	SPARE	--		20	1			0	--	--	--	--	--	12
13	PLUGS TR ST	--		20	1	0	0		1	20		--	OUTSIDE LIGHTS	14
15	SPARE	--		20	1		0	0	1	20		--	SPARE	16
17	SPARE	--		20	1			0	1	20		--	SPARE	18
19	SPARE	--		60	2	0	0		1	20		--	WATER HEATER	20
21	--	--	--	--	--		0	0	1	20		--	SPARE	22
23	SPARE	--		20	2			0	1	20		--	SPARE	24
25	--	--	--	--	--	0	0		1	20		--	SPARE	26
27	SPARE	--		30	1		0	0	1	20		--	SPARE	28
29	SPARE	--		20	1			0	1	20		--	SPARE	30
31	SPARE	--		20	1	0	0		1	20		--	SPARE	32
33	SPARE	--		20	1		0	0	1	20		--	SPARE	34
35	SPARE	--		20	1			0	1	20		--	SPARE	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	1	20		--	SPARE	42
43	SPARE	--		20	1	0	0		1	20		--	SPARE	44
45	SPARE	--		20	1		0	0	1	20		--	SPARE	46
47	SPARE	--		20	1			0	1	20		--	SPARE	48
49	SPARE	--		20	1	0	0		1	20		--	SPARE	50
51	SPARE	--		20	1		0	0	1	20		--	SPARE	52
53	SPARE	--		20	1			0	1	20		--	SPARE	54
				Total Load:		0 VA	0 VA	0 VA						
				Total Amps:		0 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
				TOTAL CONNECTED LOAD: 0 VA
				FEED-THRU LOAD: 0 VA
				TOTAL ESTIMATED DEMAND: 0 VA
				TOTAL CONNECTED CURRENT: 0 A
				TOTAL EST. DEMAND CURRENT: 0 A

NOTES:

GENERAL ELECTRICAL NOTES:

A. CONTRACTOR TO VERIFY CIRCUIT BREAKER COUNT WITH EXISTING PANELS BEING REPLACED.

REGISTERED PROFESSIONAL ENGINEER
89813PE
OREGON
SEPT. 21, 2001
JOHN W. PRIVE
EXPIRES: 12/31/24

COLE BREIT ENGINEERING
BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ

DCRD CAMPUS ELECTRICAL IMPROVEMENT

61150 SE 27th St, Bend, OR 97702

△ REVISION SCHEDULE

100% CD 09/24/2024

JOB NUMBER: 20240170

SHEET TITLE

SCHEDULES

SHEET NUMBER

E603

SCALE: 1/2"=1'-0" ANSI