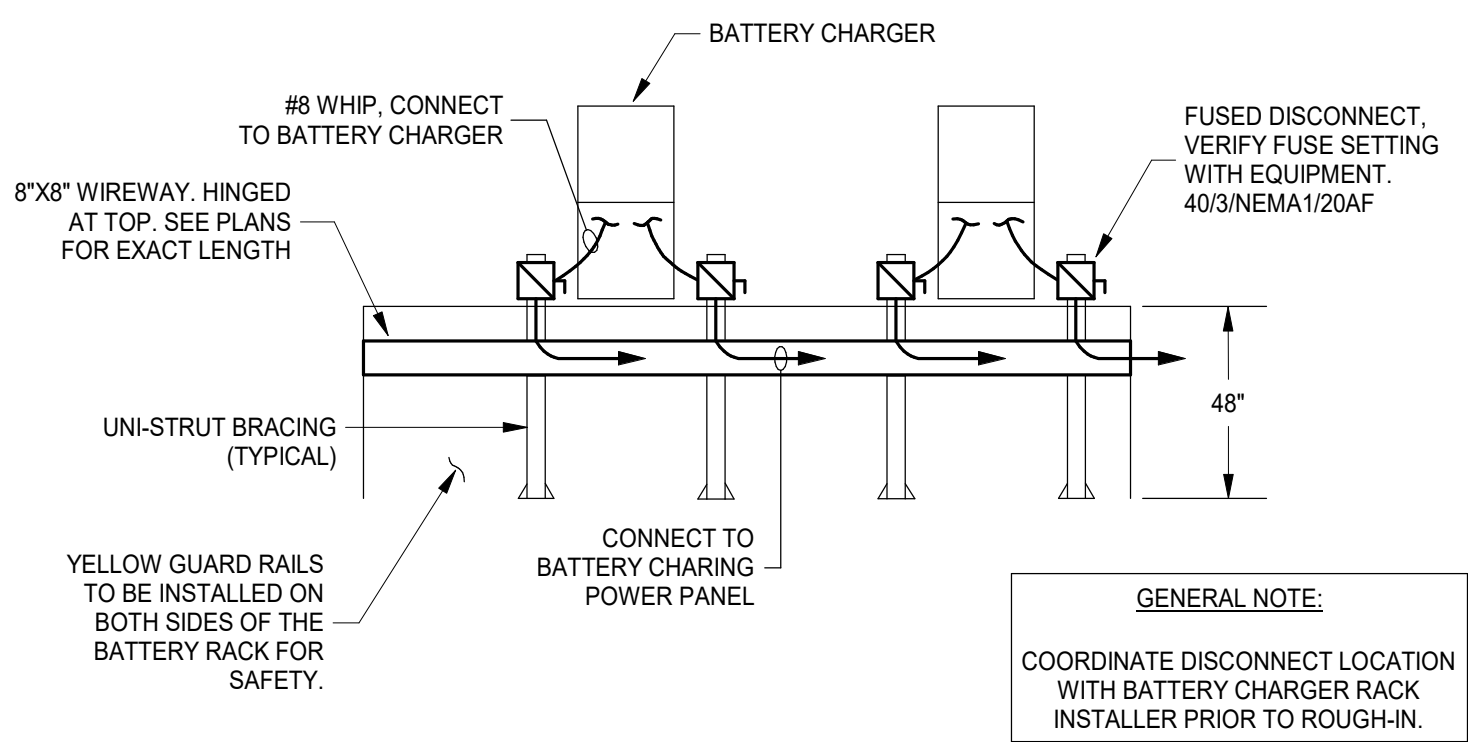
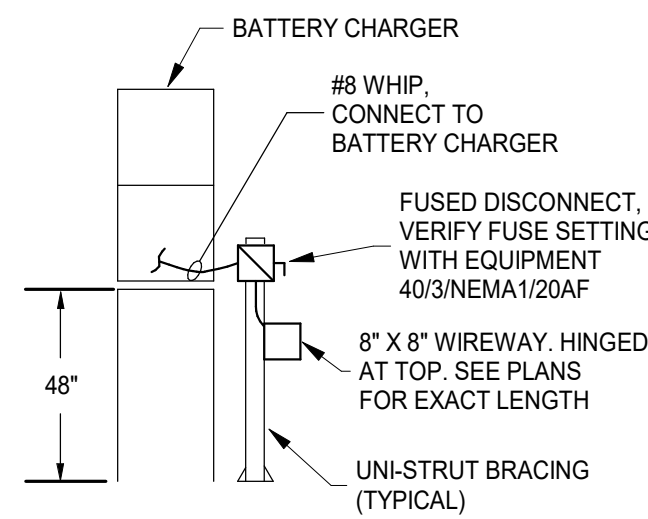
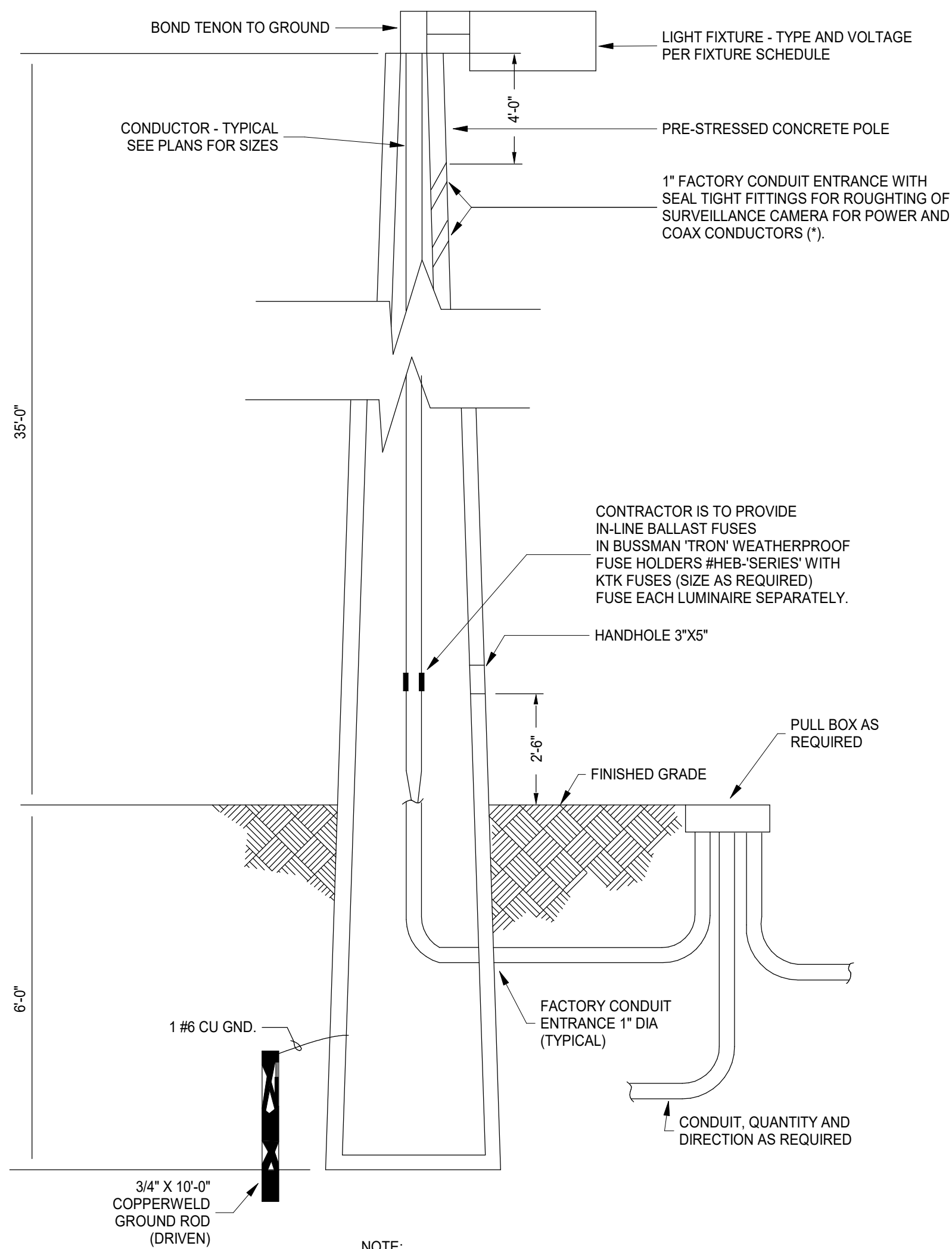




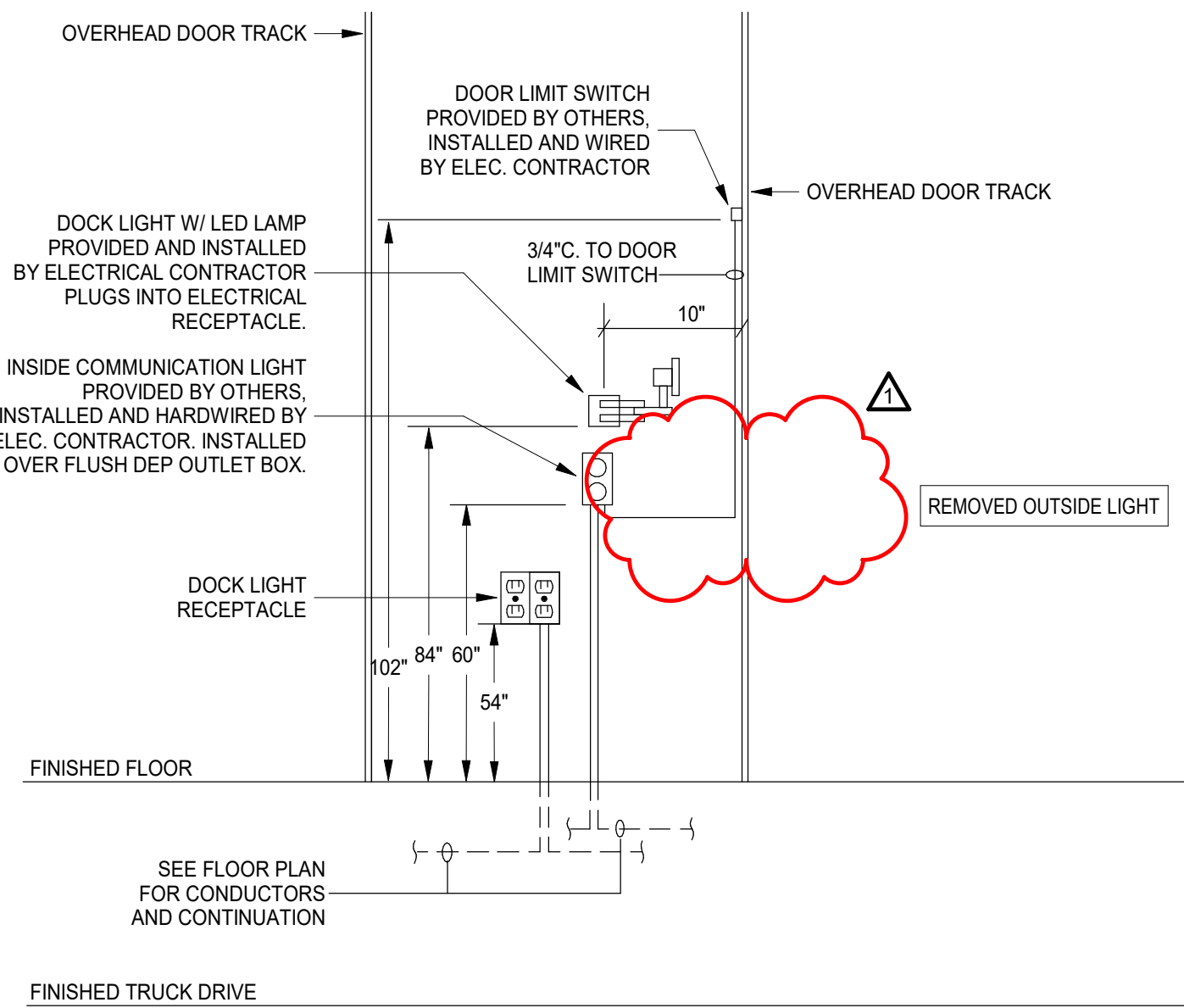
1 FORKLIFT CHARGING RACK ELEVATION
SCALE: NONE



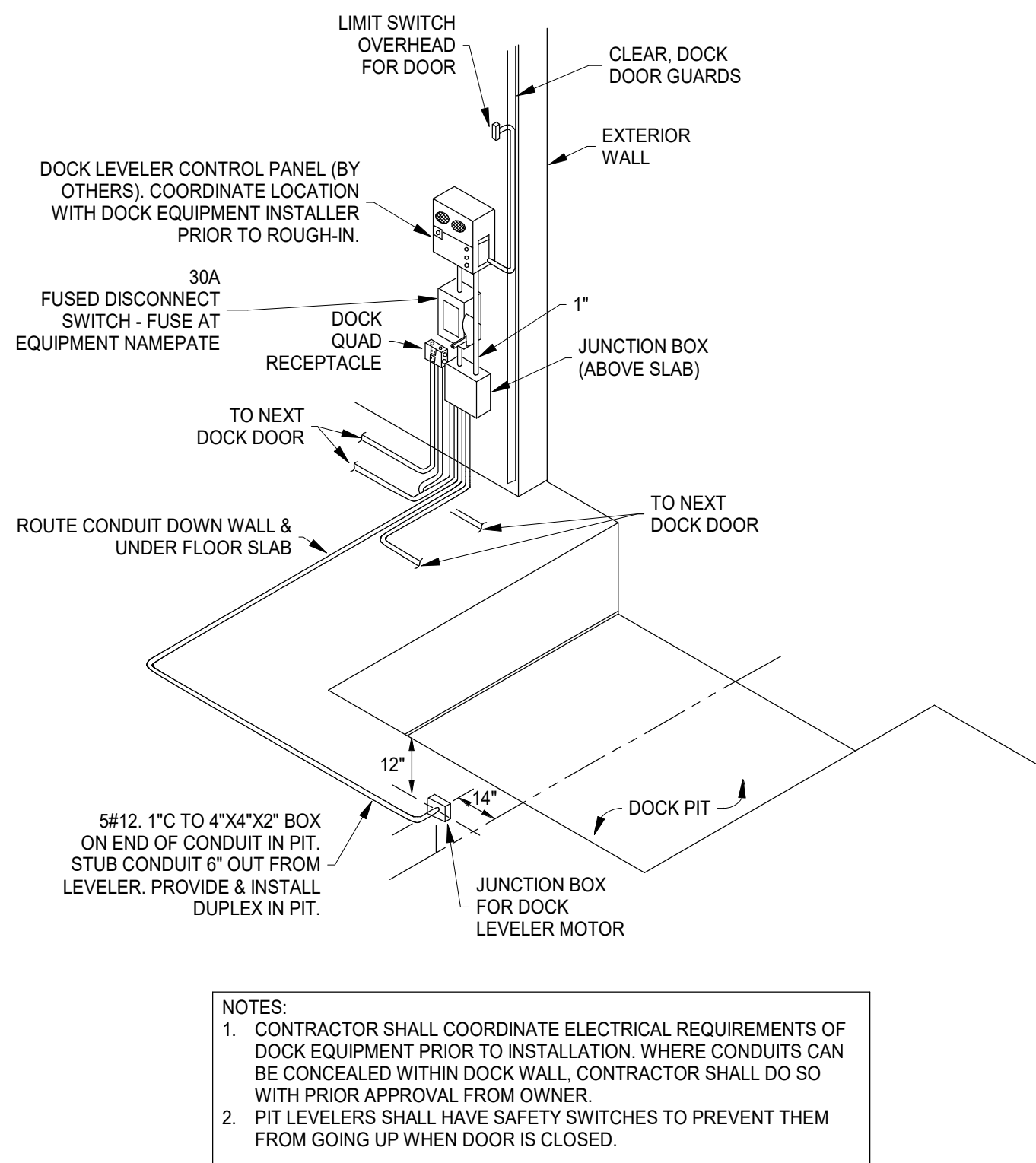
5 FORKLIFT CHARGING RACK SECTION
SCALE: NONE



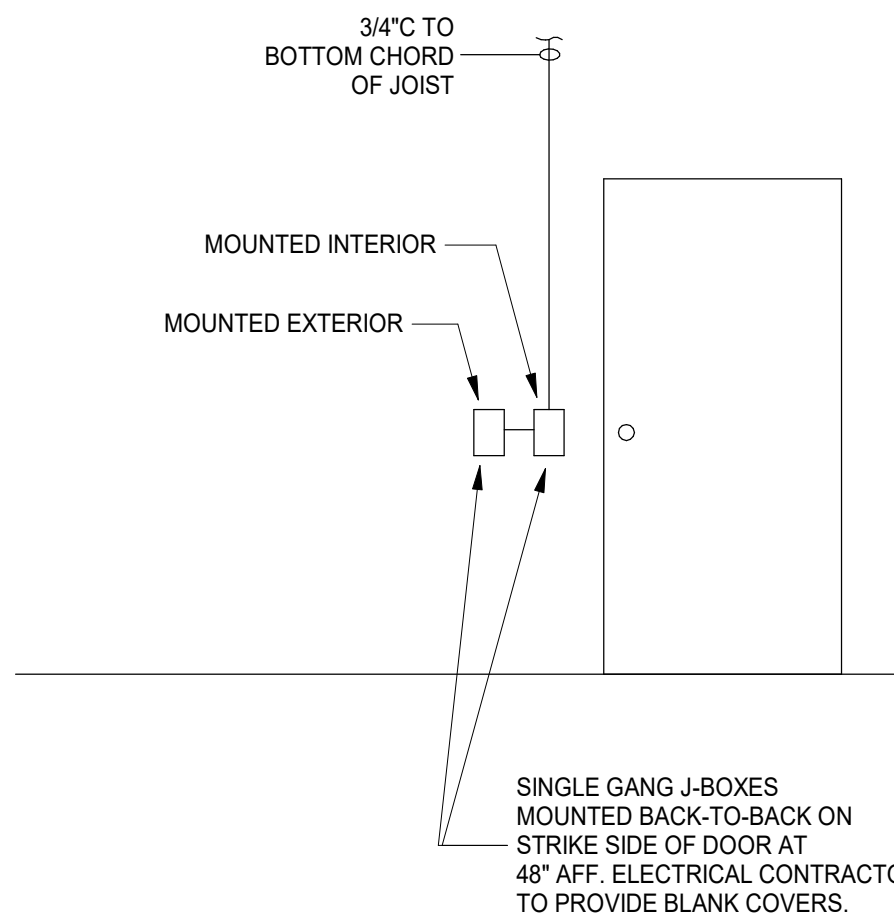
9 PARKING LOT CONCRETE POLE DETAIL
SCALE: NONE



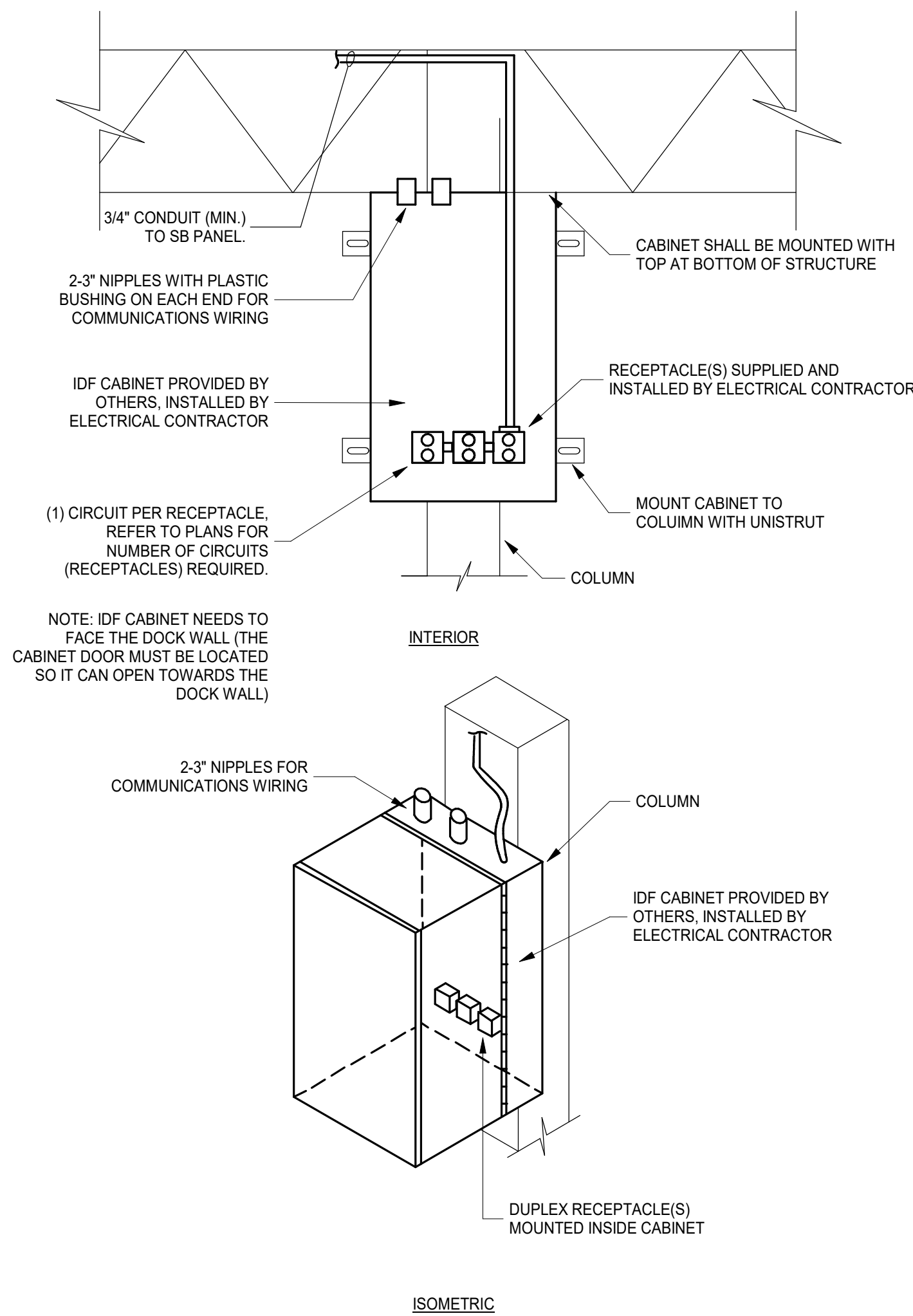
2 TYPICAL DOCK DOOR ELEVATION
SCALE: NONE



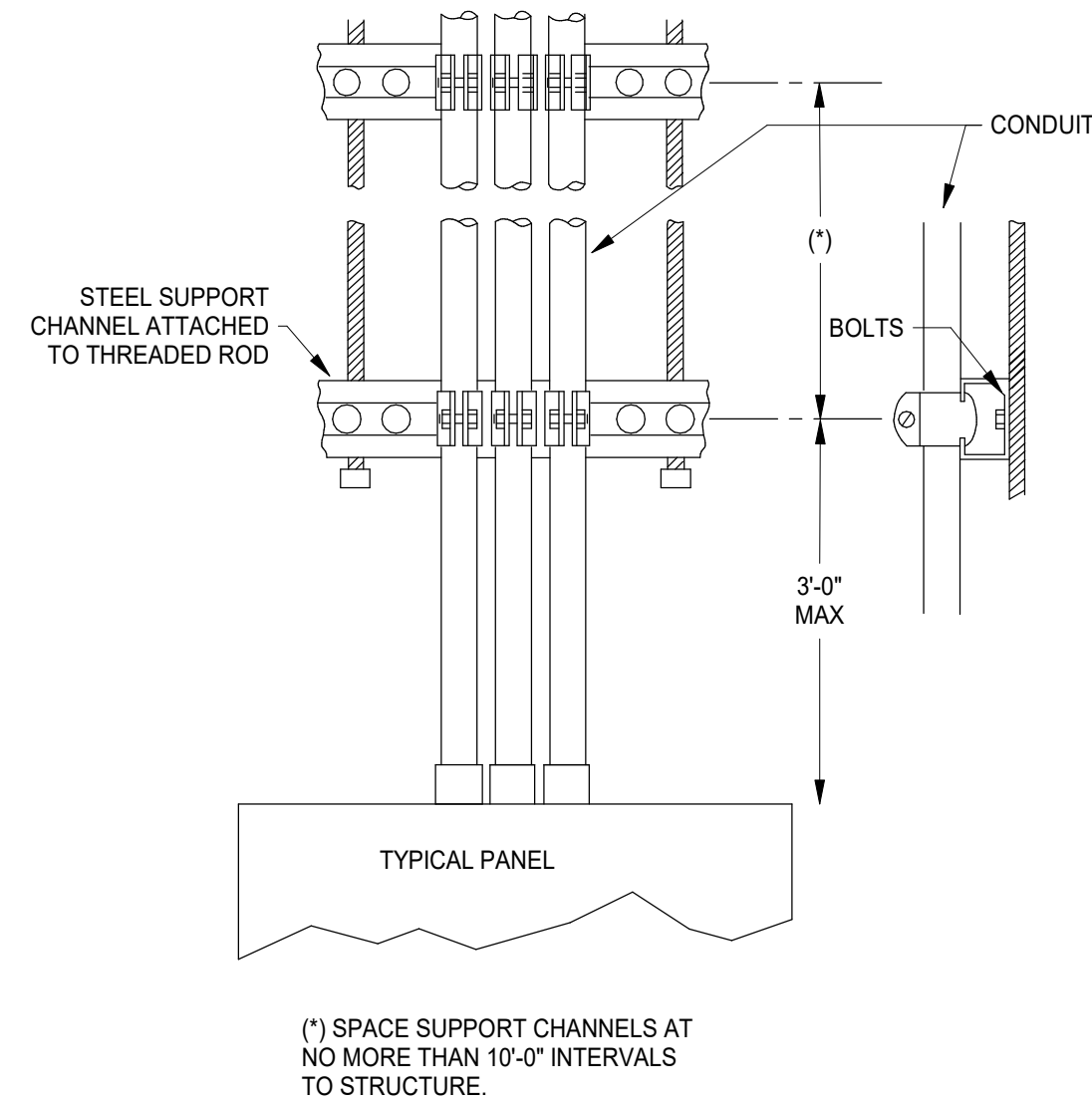
6 DOCK DOOR ELECTRICAL INSTALLATION
SCALE: NONE



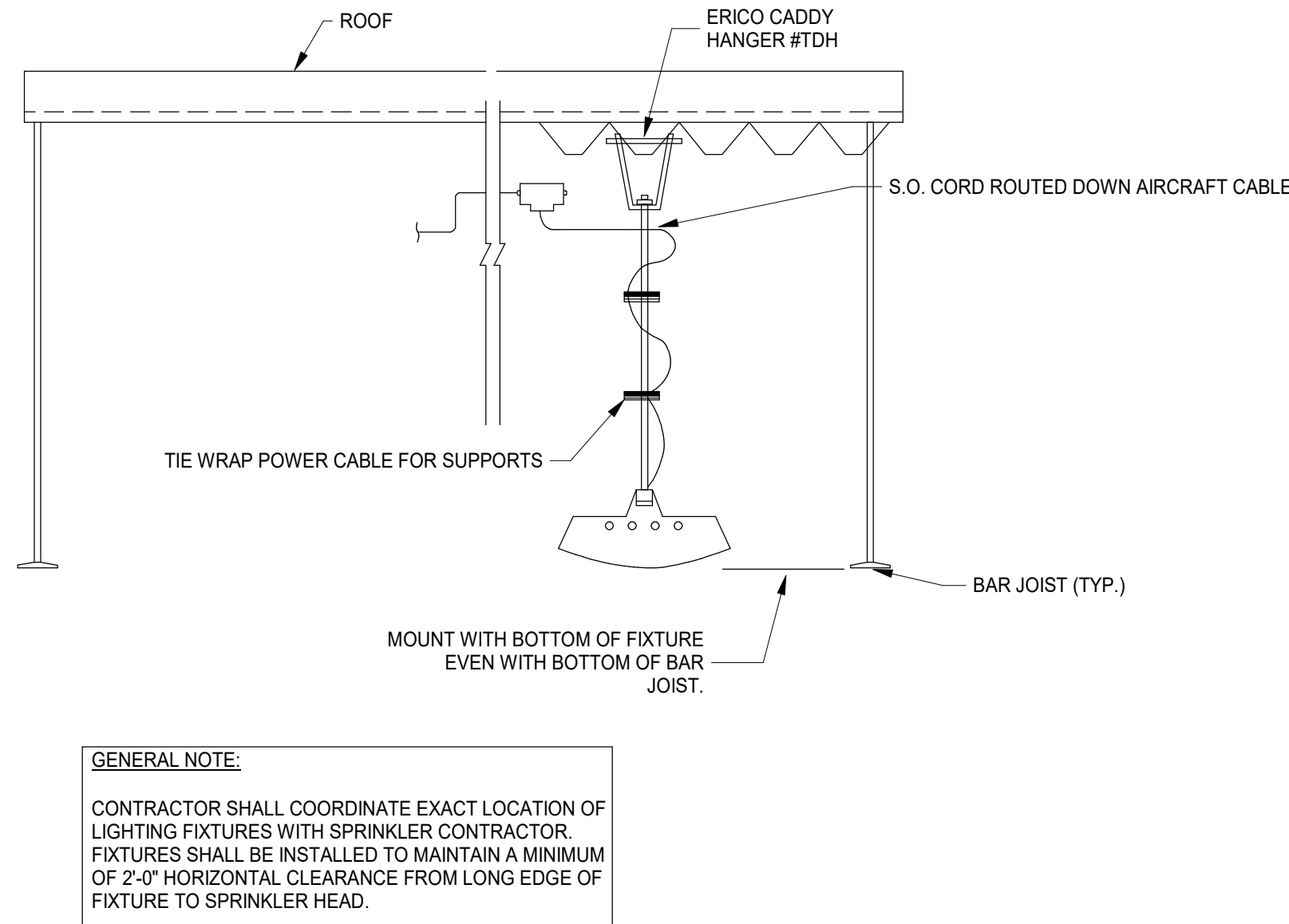
10 EXTERIOR ENTRY DOOR DETAIL
SCALE: NONE



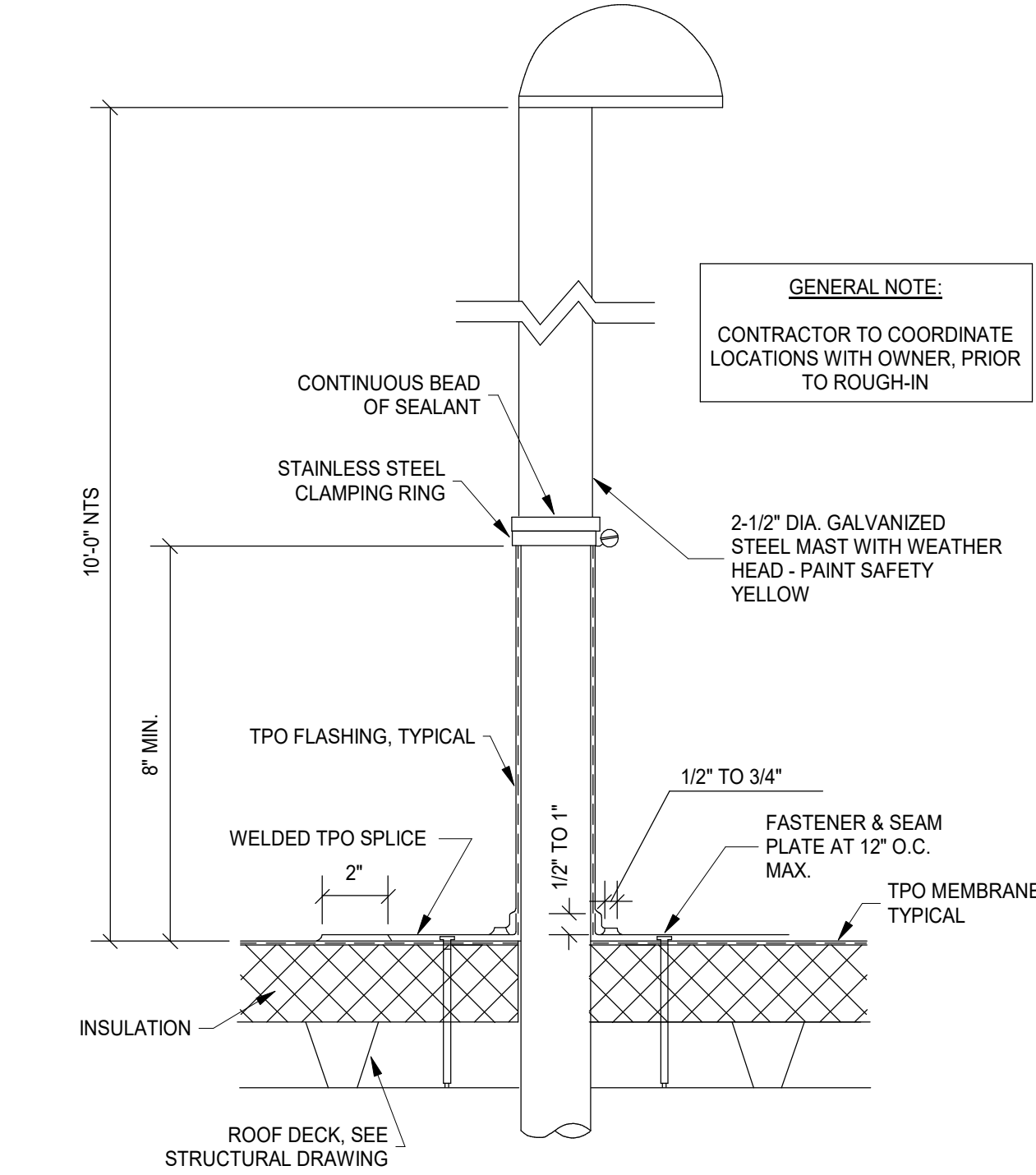
3 IDF CABINET COLUMN MOUNTING DETAIL
SCALE: NONE



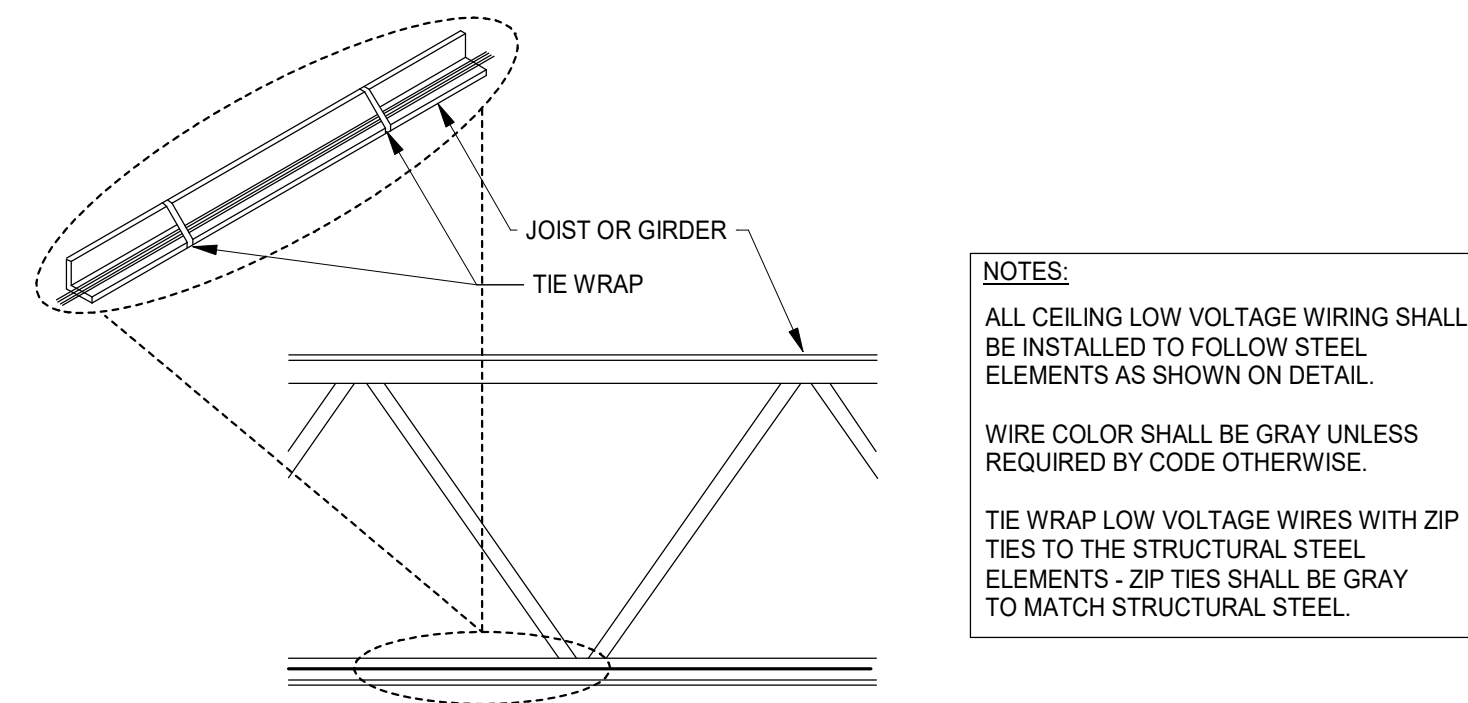
7 CONDUIT SUPPORT DETAIL (OPEN WAREHOUSE)
SCALE: NONE



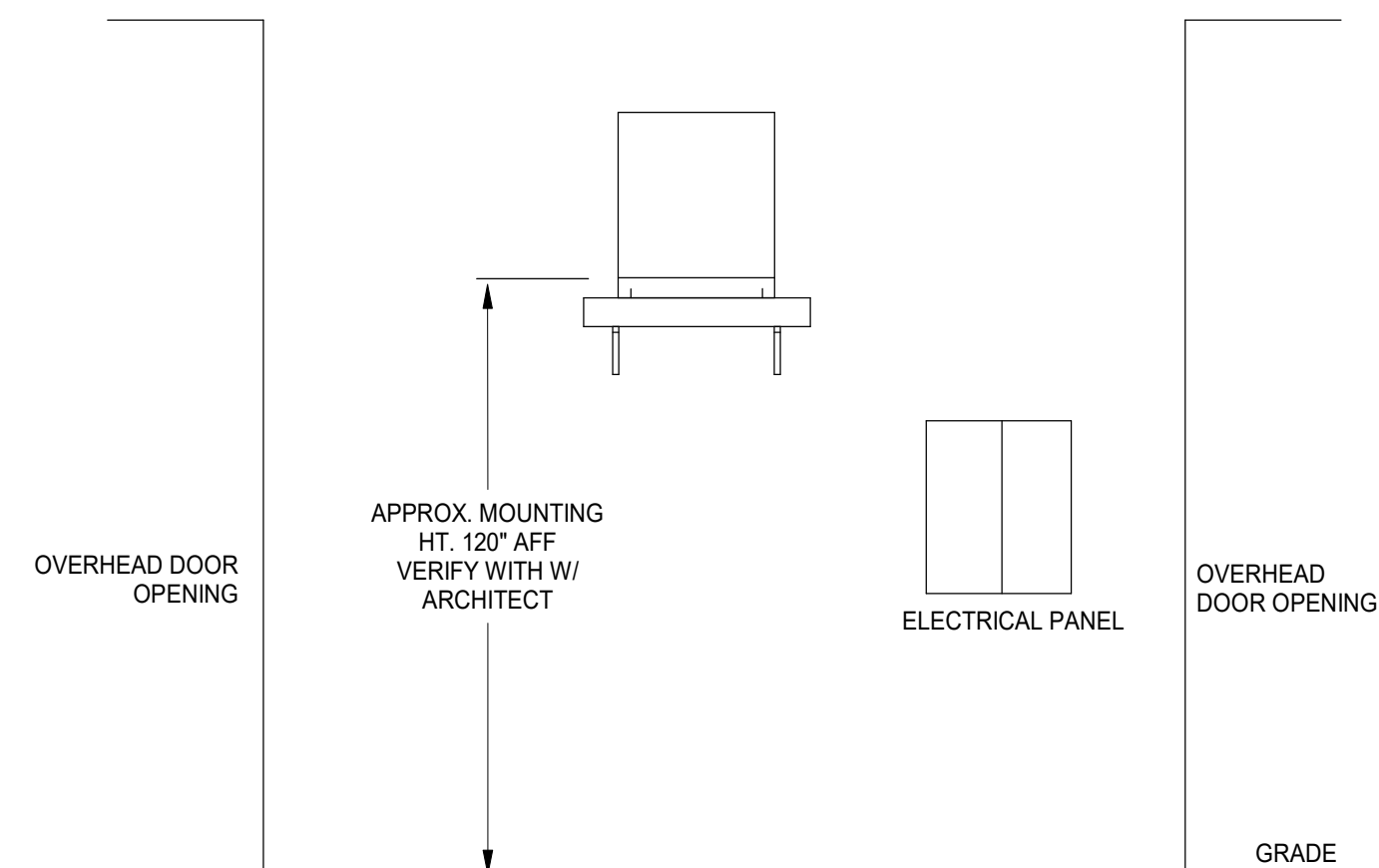
11 HIGHBAY LIGHTING INSTALLATION
SCALE: NONE



4 COMMUNICATION PENETRATION DETAIL
SCALE: NONE



8 LOW VOLTAGE IN CONDUIT BELOW BAR JOIST
SCALE: NONE



12 PANEL/XFMR MOUNTING ELEVATION
SCALE: NONE

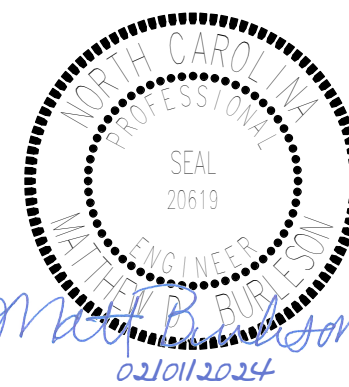


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PROJECT

**ROOMS TO GO -
PHASE II
EXPANSION**

901 Rooms To Go Way
Dunn, NC 28334

CONSULTANTS



BASS | NIXON | KENNEDY
CONSULTING ENGINEERS

ENGINEERING FIRM NUMBER: C-0110

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RALEIGH, NC 27607
PHONE: 919.851.4422

CLIENT



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Dunn, NC 28334
(910) 292-3505

DRAWING TITLE

**PARTIAL FLOOR PLAN - DEMOLITION -
ELECTRICAL**

REVISIONS

NUMBER	DESCRIPTION	DATE

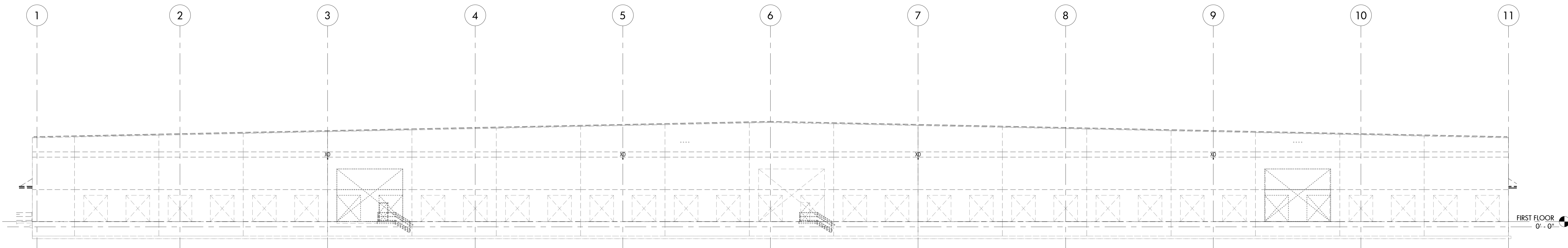
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CHECKED BY: **PLC**

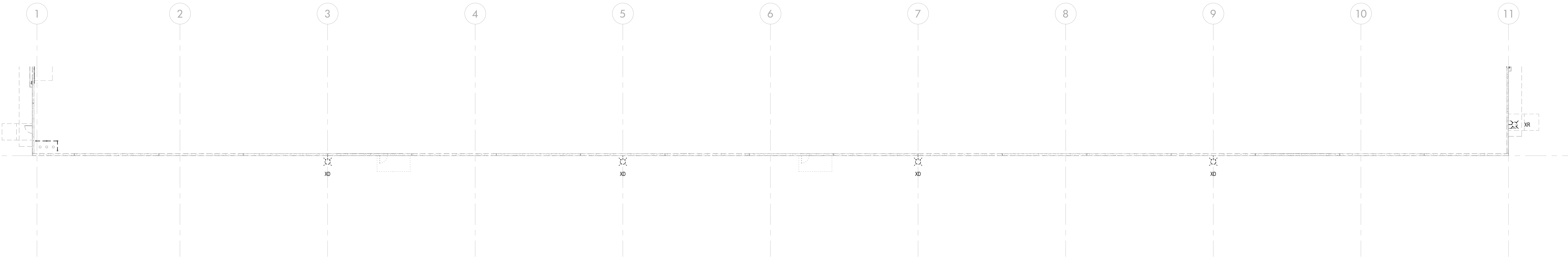
DATE ISSUED: **12/18/2023**

3 OF 11

ED-100



1 EXISTING SOUTH WALL ELEVATION - ELECTRICAL
SCALE: 1/16" = 1'-0"



2 PARTIAL FLOOR PLAN - DEMOLITION - ELECTRICAL
SCALE: 1/16" = 1'-0"



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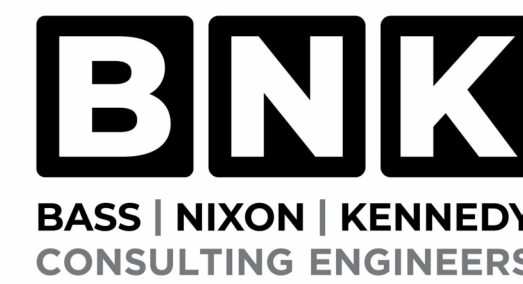


PROJECT

ROOMS TO GO - PHASE II EXPANSION

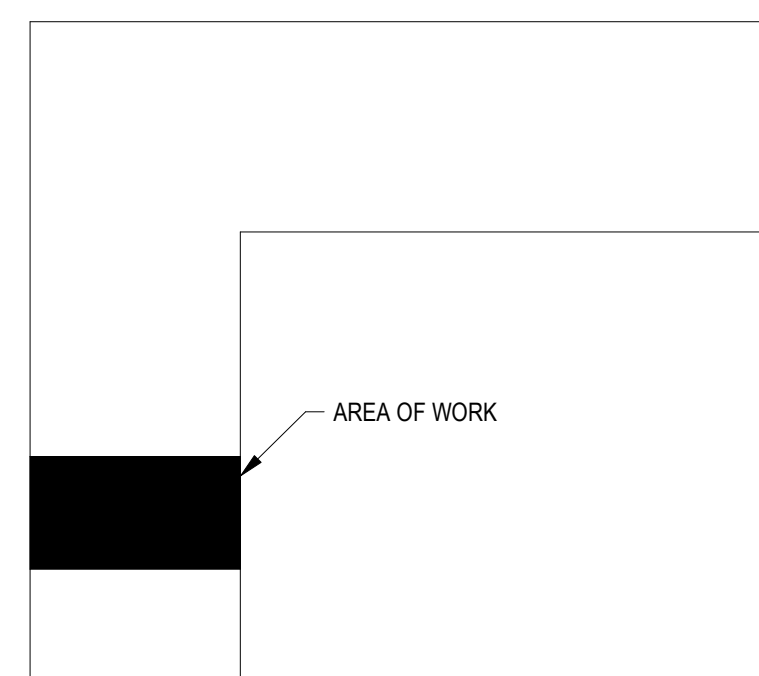
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KEY PLAN

CLIENT



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Dunn, NC 28334
(910) 292-3505

DRAWING TITLE

PARTIAL FLOOR PLAN NORTH - POWER

REVISIONS

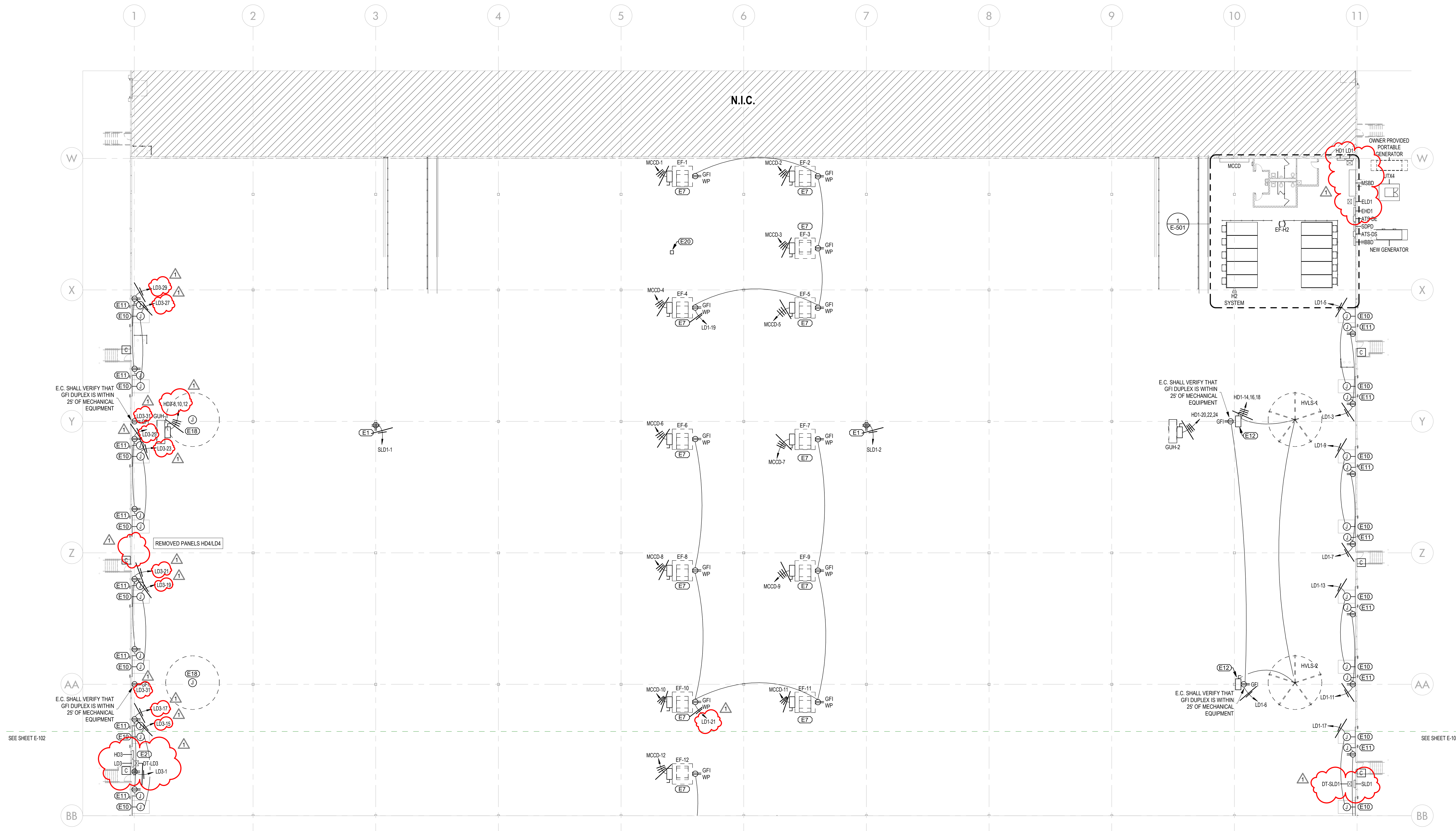
NUMBER	DESCRIPTION	DATE
1	BID DOCUMENTS	02/02/24

DRAWN BY: AMW

CHECKED BY: PLC

DATE ISSUED: 12/18/2023 4 OF 11

E-101



1 PHASE II FLOOR PLAN - PLAN NORTH - PWR SCALE: 1" = 20'-0"

GENERAL ELECTRICAL NOTES

- E.C. SHALL MOCK UP A SINGLE DOCK DOOR AND COMPLETE A "BOX WALK" WITH OWNER PRIOR TO ROUGH IN ON REMAINDER OF DOCK DOORS. BOX WALK IS TO ENSURE QUANTITIES, HEIGHTS, AND LOCATIONS ARE APPROVED BY OWNER.

VOLTAGE DROP LEGEND

BRANCH CIRCUITS SHALL MAINTAIN 3% VOLTAGE DROP OR LESS PER ASHRAE 90.1 WHERE CIRCUIT LENGTHS EXCEED THE VALUES LISTED BELOW. UTILIZE THE NEXT LARGER SIZE CONDUCTORS (INCLUDING GROUND CONDUCTORS) FOR THAT CIRCUIT.

WIRE	120V	208V 1PH	277V
#12	75'	135'	180'
#10	105'	185'	250'
#8	120'	210'	280'

SEISMIC DESIGN NOTE

SEISMIC DESIGN CATEGORY: C
RISK CATEGORY: II
SITE CLASSIFICATION: D
REFER TO BOOK SPECIFICATIONS FOR COMPLETE SEISMIC DESIGN REQUIREMENTS FOR PIPING, CONDUIT, DUCTWORK, EQUIPMENT, ETC.:
FIRE SUPPRESSION: 21 0548
PLUMBING SECTION: 22 0548
MECHANICAL SECTION: 23 0548
ELECTRICAL SECTION: 26 0548

ELECTRICAL KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
E1	E.C. SHALL PROVIDE AND INSTALL DEDICATED QUAD OUTLET +28" AFF FOR IDF CABINET EQUIPMENT PROVIDED BY OWNER. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN. SEE IDF CABINET MOUNTING DETAIL - SHEET E-002DETAIL #3
E2	E.C. SHALL SUSPEND TRANSFORMER ABOVE PANELS - SHEET E-001DETAIL #3
E7	E.C. SHALL INTERLOCK EXHAUST FAN CONTROLS WITH MANUAL SWITCHES AT MOTOR CONTROL CENTER. EXHAUST FANS SHALL SHUT OFF UPON FACP ACTIVATION. COORDINATE WITH M.C. AND F.A.C.
E10	JUNCTION BOX FOR DOCK LEVELER POWER. E.C. SHALL COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER AND SHOP DRAWINGS PRIOR TO ROUGH IN. RUN 1" CONDUIT WITH PULL STRING TO JUNCTION BOX ON WALL.
E11	JUNCTION BOX FOR HIGH IMPACT LED DOCK LIGHTING EQUIPMENT. E.C. SHALL COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER AND SHOP DRAWINGS PRIOR TO ROUGH IN. RUN 1" CONDUIT WITH PULL STRING TO JUNCTION BOX ON WALL.
E12	E.C. SHALL BE RESPONSIBLE FOR INSTALLING AND CONNECTING CIRCULATION FAN CONTROL PANEL(VFD) AND REMOTE SPEED CONTROLLER. CONTROL PANEL(VFD) SHALL BE LOCATED WITHIN 25' OF FAN BETWEEN BOTTOM OF JOIST AND ROOF DECK. REMOTE SPEED CONTROLLER TO BE LOCATED 12" AFF ON NEAREST COLUMN WITHIN 100' OF FAN CONTROL PANEL. CONTROL PANEL(VFD), REMOTE SPEED CONTROLLER AND ALL CONTROL CABLES ARE PROVIDED BY M.C. PROVIDE DISCONNECTING MEANS PER NEC. COORDINATE ALL FINAL LOCATIONS WITH M.C. AND OWNER PRIOR TO ROUGH IN.
E18	E.C. SHALL PROVIDE AND INSTALL JUNCTION BOX FOR FUTURE HVLS. RUN 3/4" CONDUIT FROM NEAREST PANEL AND STUB EMPTY CONDUIT AT JUNCTION BOX. PROVIDE WITH #18 PULL WIRE.
E20	E.C. SHALL PROVIDE 2-1/2" RIGID CONDUIT SLEEVE THROUGH ROOF. TERMINATE CONDUIT 18" ABOVE ROOF. WITH WEATHERHEAD. TERMINATE CONDUIT INSIDE OF BUILDING, 12" ABOVE BOTTOM CHORD OF ROOF TRUSS WITH INSULATED THROAT BUSHING. SEE COMMUNICATION PENETRATION DETAIL - SHEET E-002DETAIL #4



ALS



PROJECT

ROOMS TO GO - PHASE II EXPANSION

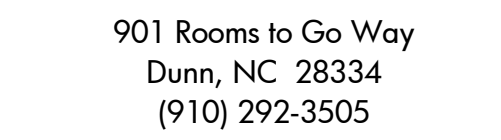
CONSULTANTS



ENGINEERING FIRM NUMBER: C-0110



ENT



AWING TITLE

PARTIAL FLOOR PLAN SOUTH - POWER

AWN BY	AMW
HECKED BY	PLC
TE ISSUED	12/18/2023 5 OF 11

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1. E.C. SHALL MOCK UP A SINGLE DOCK DOOR AND COMPLETE A "BOX WALK" WITH OWNER PRIOR TO ROUGH IN ON REMAINDER OF DOCK DOORS. BOX WALK IS TO ENSURE QUANTITIES, HEIGHTS, AND LOCATIONS ARE APPROVED BY OWNER.

1. E.C. SHALL MOCK UP A SINGLE DOCK DOOR AND COMPLETE A "BOX WALK" WITH OWNER PRIOR TO ROUGH IN ON REMAINDER OF DOCK DOORS. BOX WALK IS TO ENSURE QUANTITIES, HEIGHTS, AND LOCATIONS ARE APPROVED BY OWNER.

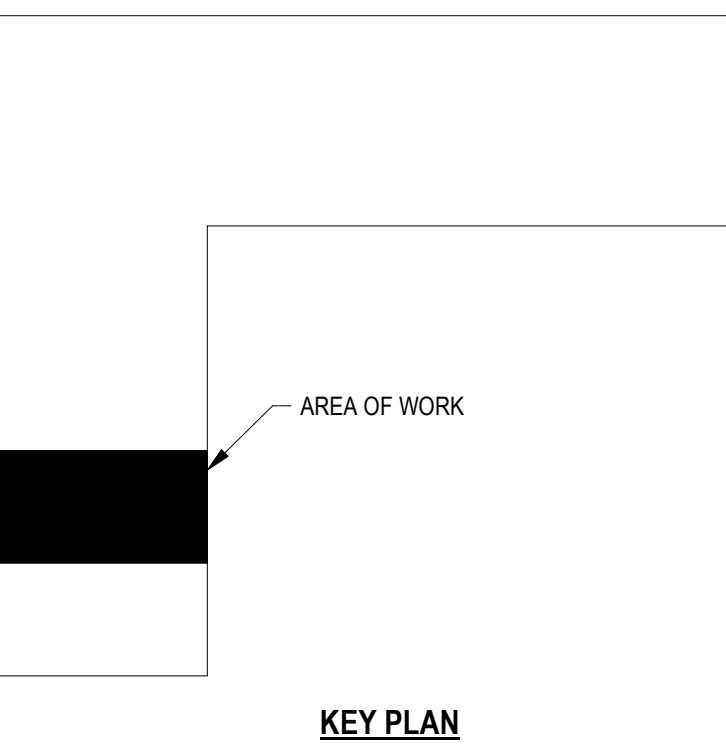
BRANCH CIRCUITS SHALL MAINTAIN 3% VOLTAGE DROP OR LESS PER ASHRAE 90.1. WHERE CIRCUIT LENGTHS EXCEED THE VALUES LISTED BELOW, UTILIZE THE NEXT LARGER SIZE CONDUCTORS(INCLUDING GROUND CONDUCTORS) FOR THAT CIRCUIT.			
WIRE	120V	208V 1PH	277V
#12	75'	135'	180'
#10	105'	185'	250'
#8	120'	210'	280'

KEY VALUE	KEYNOTE TEXT
E1	E.C. SHALL PROVIDE AND INSTALL DESIGNATED QUAD OUTLET *28 APF FOR DR. CABINET EQUIPMENT PROVIDED BY OWNER. COORDINATE EXACT LOCATION WITH ELECTRICAL CONTRACTOR IN SEE IF CABLE MOUNTING TABLE. SHEET E-002/041#3
E2	E.C. SHALL SUPPLY TRANSFORMER ABOVE PANELS. SHEET E-002/041#6
E7	E.C. SHALL INTERLOCK EXHAUST FAN CONTROLS WITH MANUAL SWITCHES AT MOTOR CONTROL CENTER. EXHAUST FANS SHALL SHUT OFF ON PUMP ACTIVATION. COORDINATE WITH M.C. AND P.A.C.
E10	JUNCTION BOX FOR DUCK DEVELOPER POWER. E.C. SHALL COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER AND PUMP DRAWINGS PERIOD TO ROUGH-IN. *1" COORDINATE WITH PULL STRINGS TO JUNCTION BOX ON WALL.
E11	JUNCTION BOX FOR HIGH IMPACT LED LIGHT FIXTURES. EQUIPMENT. E.C. SHALL COORDINATE EXACT LOCATION WITH EQUIPMENT SUPPLIER AND PUMP DRAWINGS PERIOD TO ROUGH-IN. *1" RUN IN JUNCTION WITH PULL STRINGS TO JUNCTION BOX ON WALL.
E12	E.C. SHALL BE RESPONSIBLE FOR INSTALLING AND CONNECTING CIRCULATION FAN CONTROL PANEL/VOLV AND REMOTE SPEED CONTROLLER. REMOTE SPEED CONTROLLER SHALL BE LOCATED ON TOP OF FAN BENCH BETWEEN BOTH EXHAUST FAN BENCHES. SPEED CONTROLLER TO BE LOCATED 7' APART ON NEAREST CABLES WITHIN 10' OF FAN CONTROL PANEL. CONTROL PANEL/VOLV REMOTE SPEED CONTROLLER AND ALL NEAREST CABLES ARE PROVIDED BY C. PROVIDE DISCONNECTING MEANS PER NEC. COORDINATE ALL PANEL LOCATIONS WITH M.C. AND OWNER PRIOR TO CONSTRUCTION.
E18	E.C. SHALL PROVIDE AND INSTALL JUNCTION BOX FOR FUTURE FANS. RUN 3/4" CONDUIT FROM NEAREST PANEL AND STUB EMPTY CONDUIT AT JUNCTION BOX. PROVIDE WITH #18 PULL WIRE.
E20	E.C. SHALL PROVIDE A 2" RIGID CONDUIT SLEEVE THROUGH ROOF. TERMINATE CONDUIT 1' ABOVE ROOF. PROVIDE 1/2" RIGID WEATHERHEAD. CONDUIT SHALL BE INSTALLED IN BUILDING. 12" ABOVE BOTTOM CORNER OF ROOF TRUSS WITH INSULATED THROAT BUILDING. SEE COMMUNICATION PENETRATION TABLE. SHEET E-002/041#4



**ROOMS TO GO -
PHASE II
EXPANSION**
901 Rooms To Go Way
Dunn, NC 28334

BNK
BASS | NIXON | KENNEDY
CONSULTING ENGINEERS
ENGINEERING FIRM NUMBER: C-0110
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RALEIGH, NC 27607
PHONE: 919.851.4422

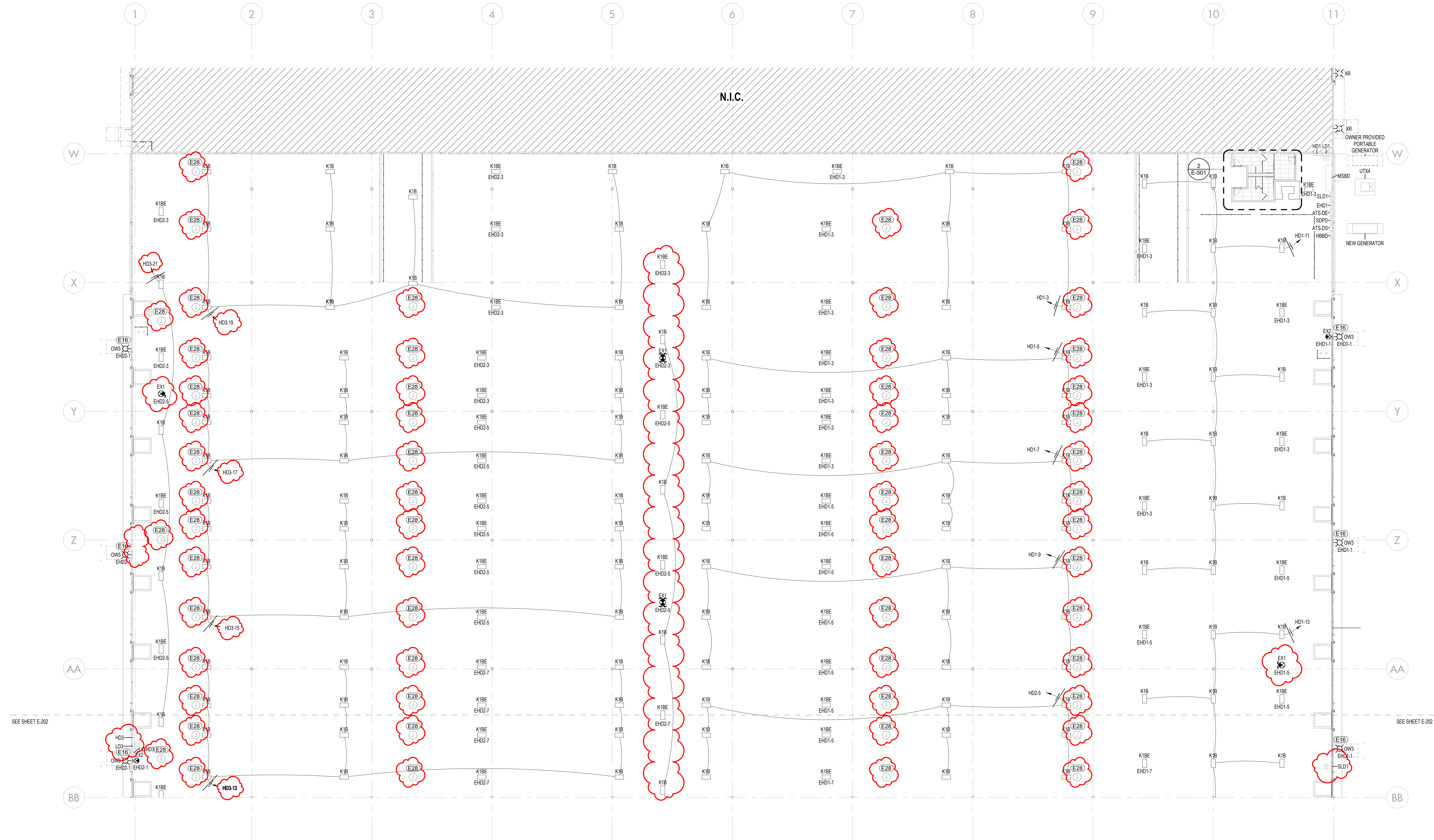


ROOMS TO GO
901 Rooms To Go Way
Dunn, NC 28334
(910) 292-3505

DRAWING TITLE
PARTIAL FLOOR PLAN NORTH - LTS

REVISIONS		
NUMBER	DESCRIPTION	DATE
1	BID DOCUMENTS	02/02/24

DRAWN BY: **AMW**
CHECKED BY: **PLC**
DATE ISSUED: **12/18/2023** **6 OF 11**



1 PHASE II FLOOR PLAN - PLAN NORTH - LTS
SCALE: 1" = 20'-0"

Lighting Fixture Schedule					
Type Mark	Description	Manufacturer	Model	Voltage	Wattage
A	RECESSED 2X4 FIXTURE - SELECTABLE LUMEN OUTPUT - 3000-5000 LUMENS	LITHONIA	CPX 2X4 AL08 SWW7 M2	277 V	36.8 W
AE	SAME AS TYPE "A" - CONNECT TO EMERGENCY POWER - 247 OPERATION	LITHONIA	CPX 2X4 AL08 SWW7 M2	277 V	36.8 W
EX1	CEILING EMERGENCY EXIT SIGN - STEEL HOUSING PAINTED WHITE WITH RED LETTERS - PROVIDE WITH INTEGRAL 90 MIN. EMERGENCY BATTERY BACKUP - MOUNT 30" AFF.	LITHONIA	LQM SERIES	277 V	10.0 W
EX2	WALL MOUNTED EXIT SIGN - STEEL HOUSING PAINTED WHITE WITH RED LETTERS - PROVIDE WITH INTEGRAL 90 MIN. EMERGENCY BATTERY BACKUP	LITHONIA	LQM SERIES	277 V	10.0 W
K1B	48" HIGH BAY FIXTURE - 30000 LUMENS - PROVIDE WITH 360 INTEGRAL HIGH MOUNT MOTION SENSOR	LITHONIA	IGB 30000LM SEF AFL GND 480 GZ10 40K 80CRI LSKR50	277 V	179.0 W
K1BE	SAME AS TYPE "K1B" - CONNECT TO EMERGENCY POWER - 247 OPERATION	LITHONIA	IGB 30000LM SEF AFL GND 480 GZ10 40K 80CRI LSKR50	277 V	179.0 W
OW1	WALL MOUNTED LIGHTING FIXTURE - TYPE 3 DISTRIBUTION - 14,000-15,000 LUMENS	LITHONIA	DSX1 LED P3 40K 80CRI T3M MVOLT WBA	277 V	104.0 W
OW3	WALL MOUNTED LIGHTING FIXTURE - TYPE 3 DISTRIBUTION W/ FULL CUTOFF OPTICS - 3,500-4,500 LUMENS	LITHONIA	DSXW2 LED 10C 1000 40K T3M MVOLT PE	277 V	39.0 W
S	4" STRIP LIGHTING FIXTURE - 4000 LUMENS	LITHONIA	CSS L48 4000LM MVOLT 35K	277 V	35.0 W

LIGHTING NOTES

- THE CEILING IS NOT RATED.
- CONNECT EMERGENCY FIXTURES AND BATTERY FIXTURES AHEAD OF SWITCHES AND OCCUPANCY SENSORS, TYPICAL.
- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF LIGHT FIXTURES W/ STRUCTURAL, MECHANICAL, AND SPRINKLER CONTRACTORS TO AVOID CONFLICTS W/ STRUCTURE, MECHANICAL, AND SPRINKLER CONTRACTORS. PROVIDE 10' WHIP COILED FOR EACH HIGH BAY FIXTURE.
- NORMAL LIGHTING SHALL BE CONTROLLED VIA RELAY PANELS.
- EXTERIOR WALL PACKS SHALL BE CONTROLLED VIA EXISTING WATSTOPPER BUILDING MANAGEMENT SYSTEM.
- ELECTRICAL CONTRACTOR SHALL PROVIDE 10' WHIP COILED AT EACH HIGH BAY FIXTURE.

SEISMIC DESIGN NOTE

SEISMIC DESIGN CATEGORY: C
RISK CATEGORY: II
SITE CLASSIFICATION: D

REFER TO BOOK SPECIFICATIONS FOR COMPLETE SEISMIC DESIGN REQUIREMENTS FOR PIPING, CONDUIT, DUCTWORK, EQUIPMENT, ETC.:

FIRE SUPPRESSION: 21 0548
PLUMBING SECTION: 22 0548
MECHANICAL SECTION: 23 0548
ELECTRICAL SECTION: 26 0548

ELECTRICAL KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
E16	NEW EMERGENCY EXIT LIGHTS TO BE INSTALLED IN THE CORRIDOR (SEE SHEET E-201 FOR DETAILS)
E28	E.C. SHALL PROVIDE JUNCTION BOX WITH 10' WHIP COILED FOR FUTURE EXIT SIGN.



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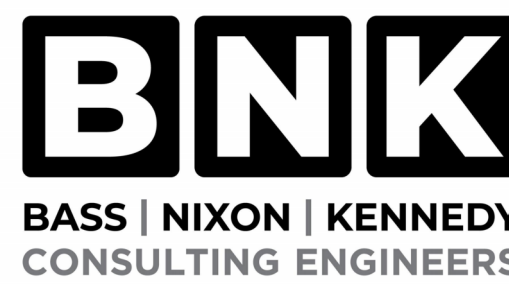


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ROOMS TO GO - PHASE II EXPANSION

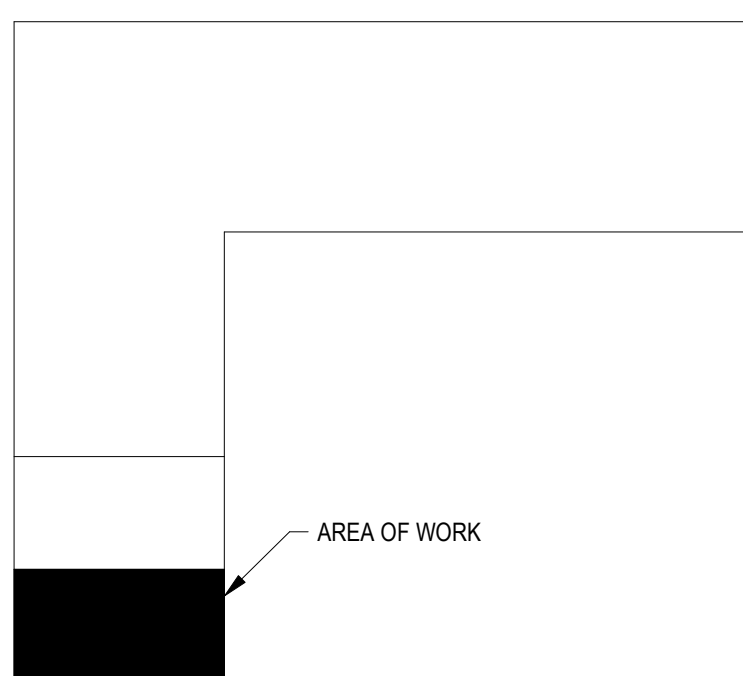
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CONSULTANTS



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PHONE: 919.851.4422



KEY PLAN

CLEAR



901 Rooms To Go Way
Dunn, NC 28334
(910) 292-3505

DRAWING TITLE

PARTIAL FLOOR PLAN SOUTH - LTS

REVISIONS

NUMBER	DESCRIPTION	DATE
1	BID DOCUMENTS	02/02/24

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AMW

CHECKED BY

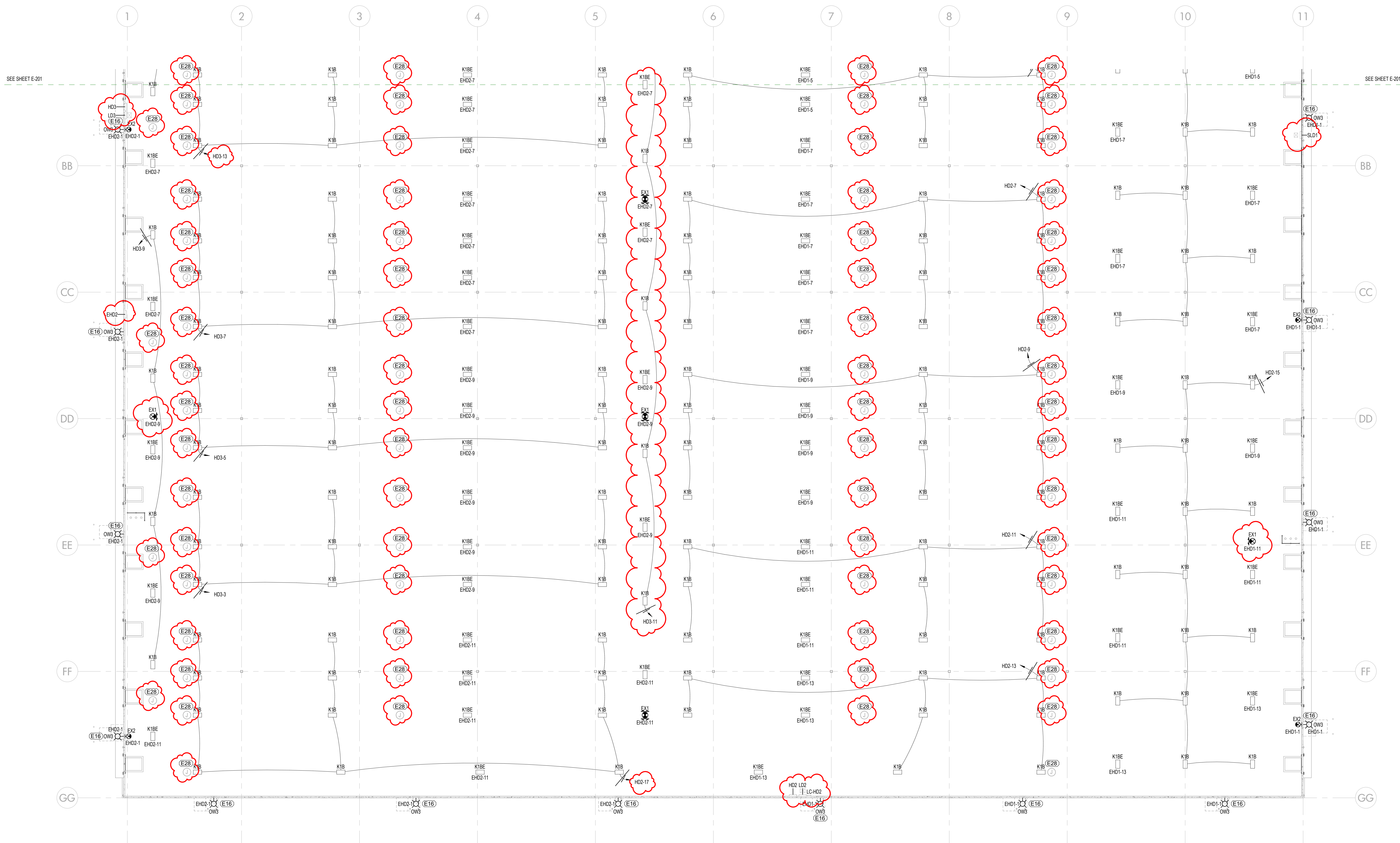
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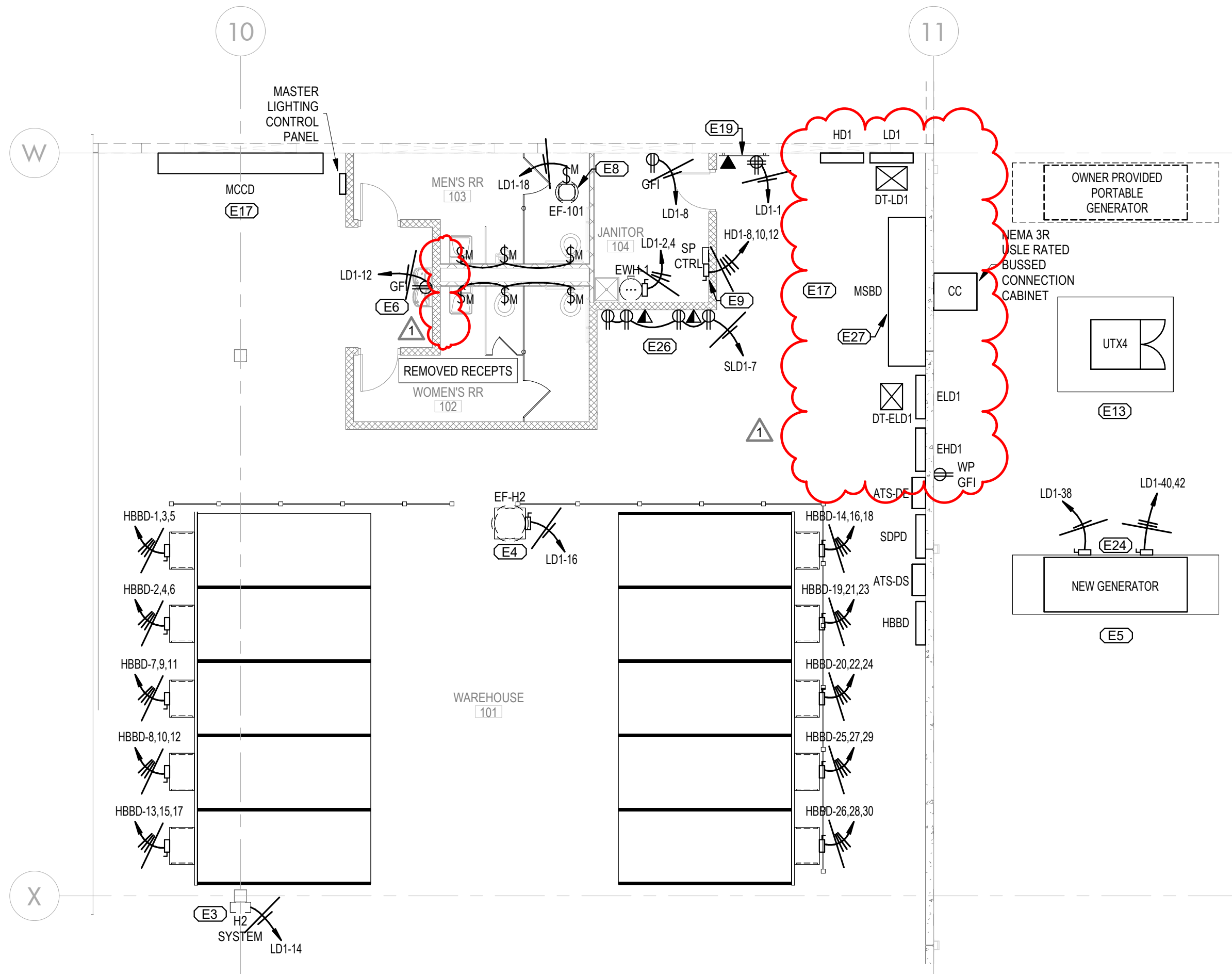
DATE ISSUED

12/18/2023

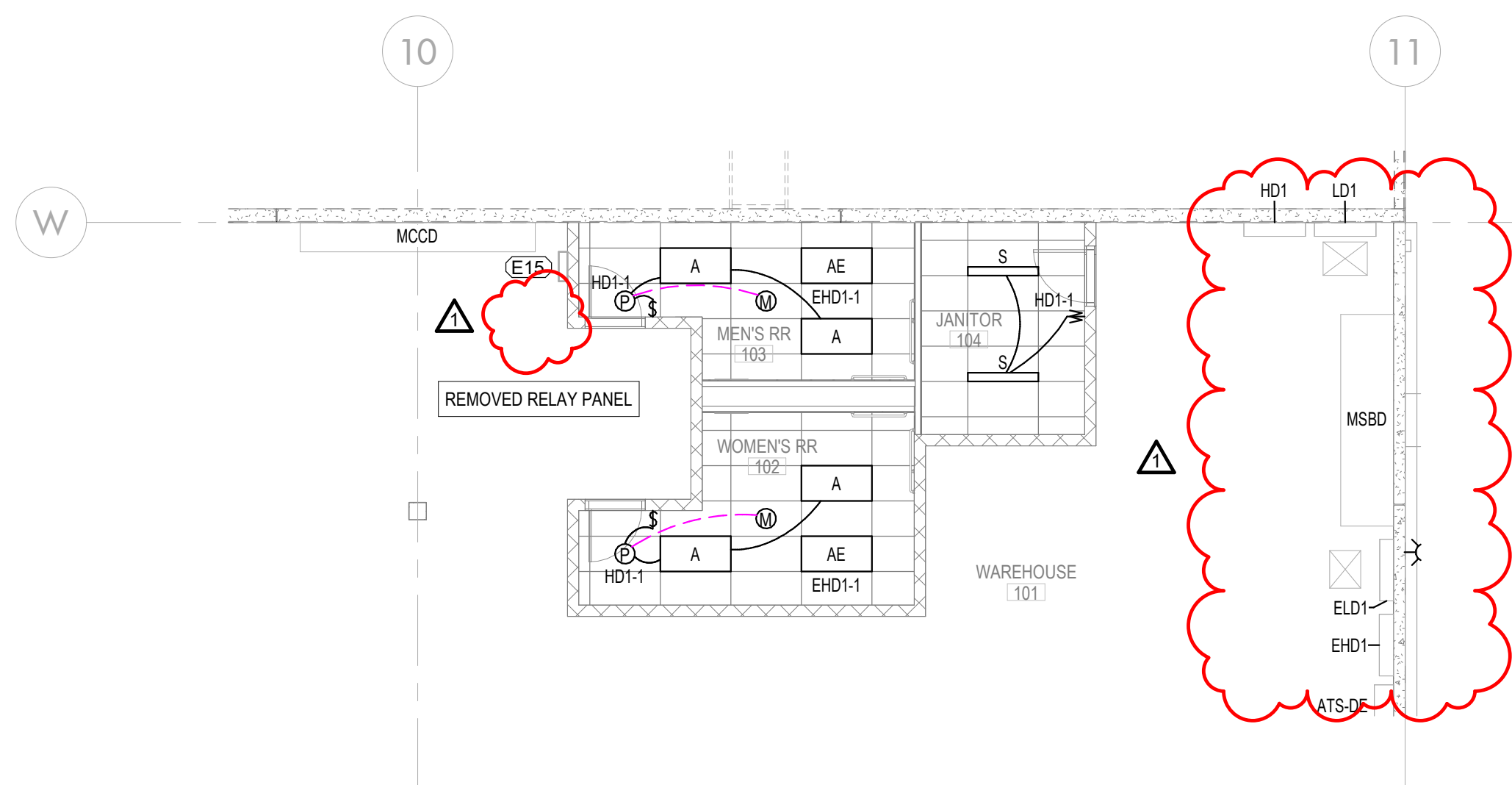
7 OF 11

E-202

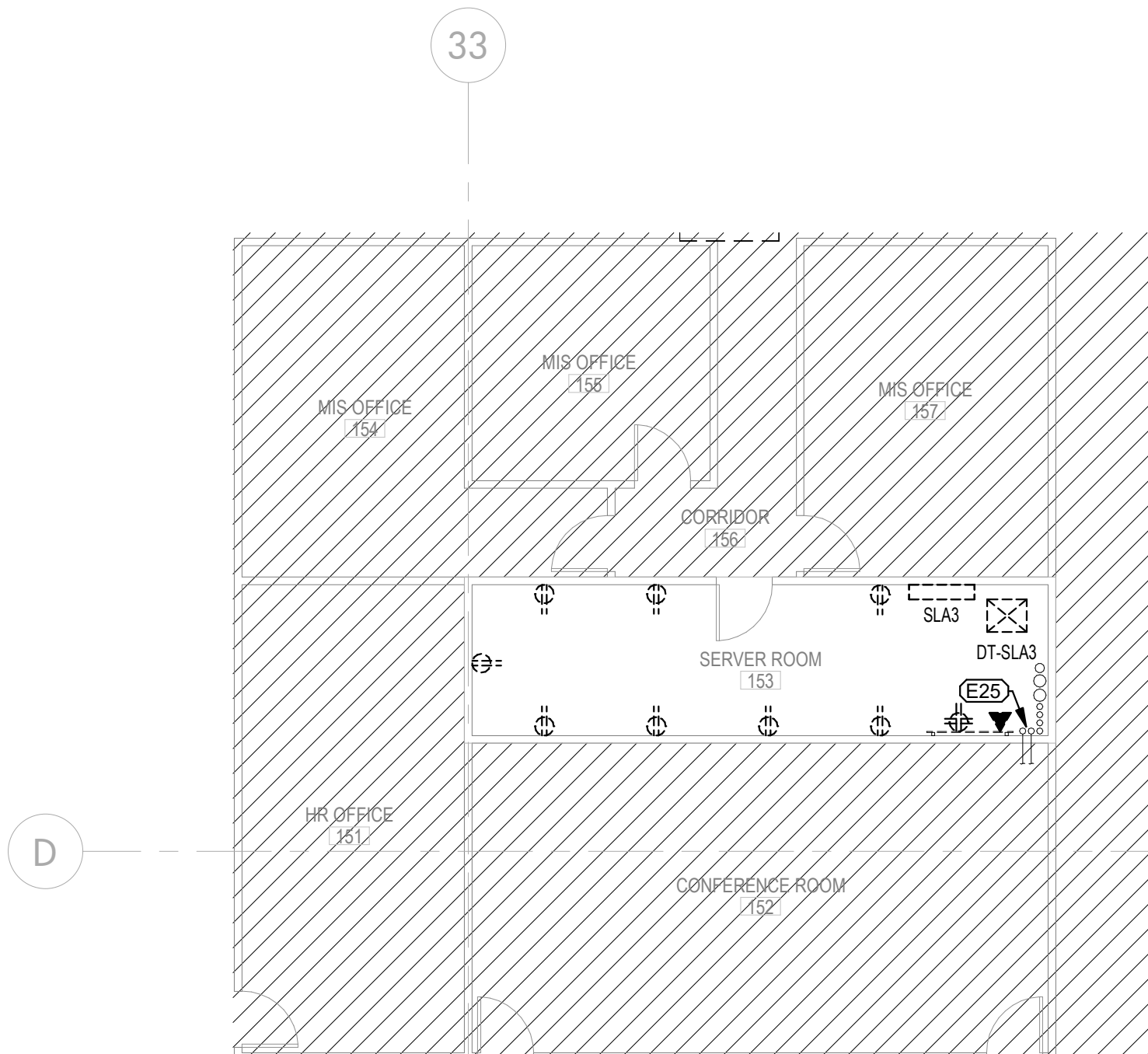




1 RESTROOM ENLARGED PLAN - PWR
SCALE: 1/8" = 1'-0"



2 RESTROOM ENLARGED PLAN - LTS
SCALE: 1/8" = 1'-0"

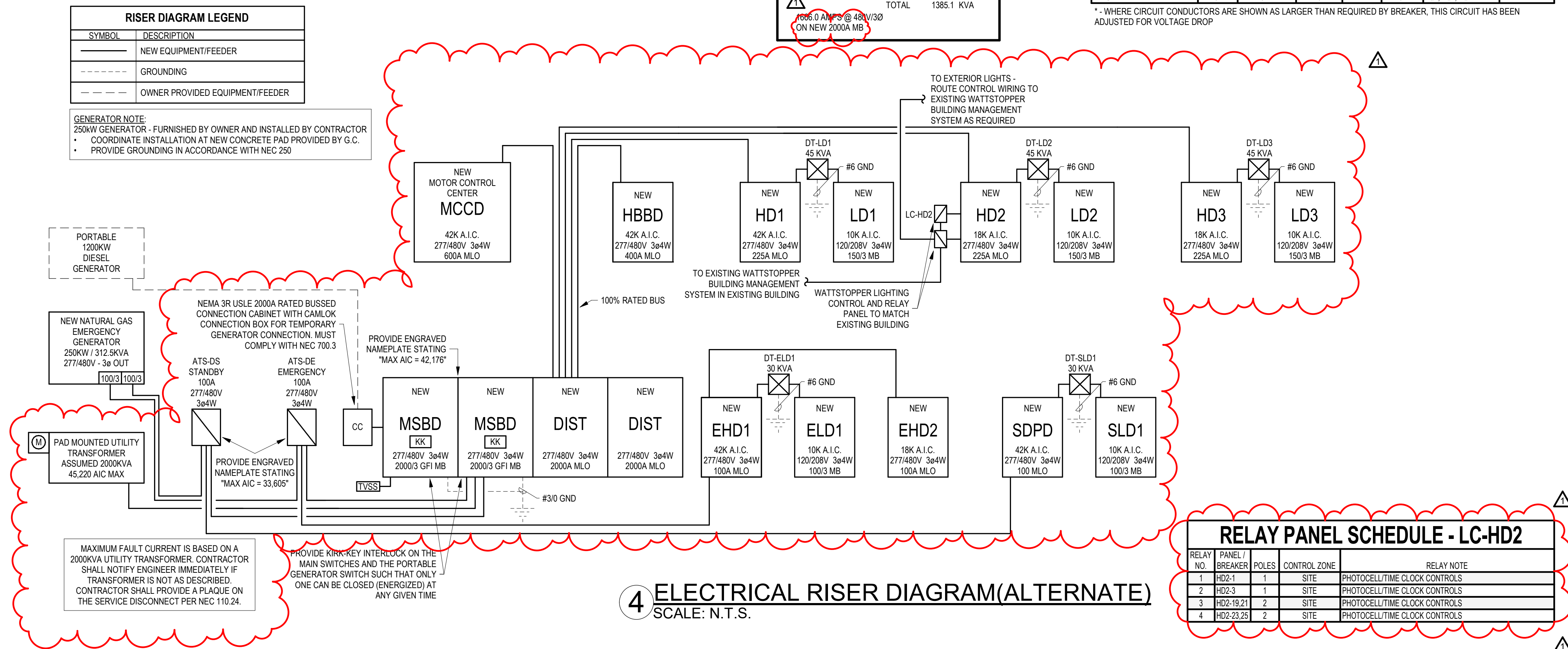


3 SERVER ENLARGED PLAN - PWR
SCALE: 1/8" = 1'-0"

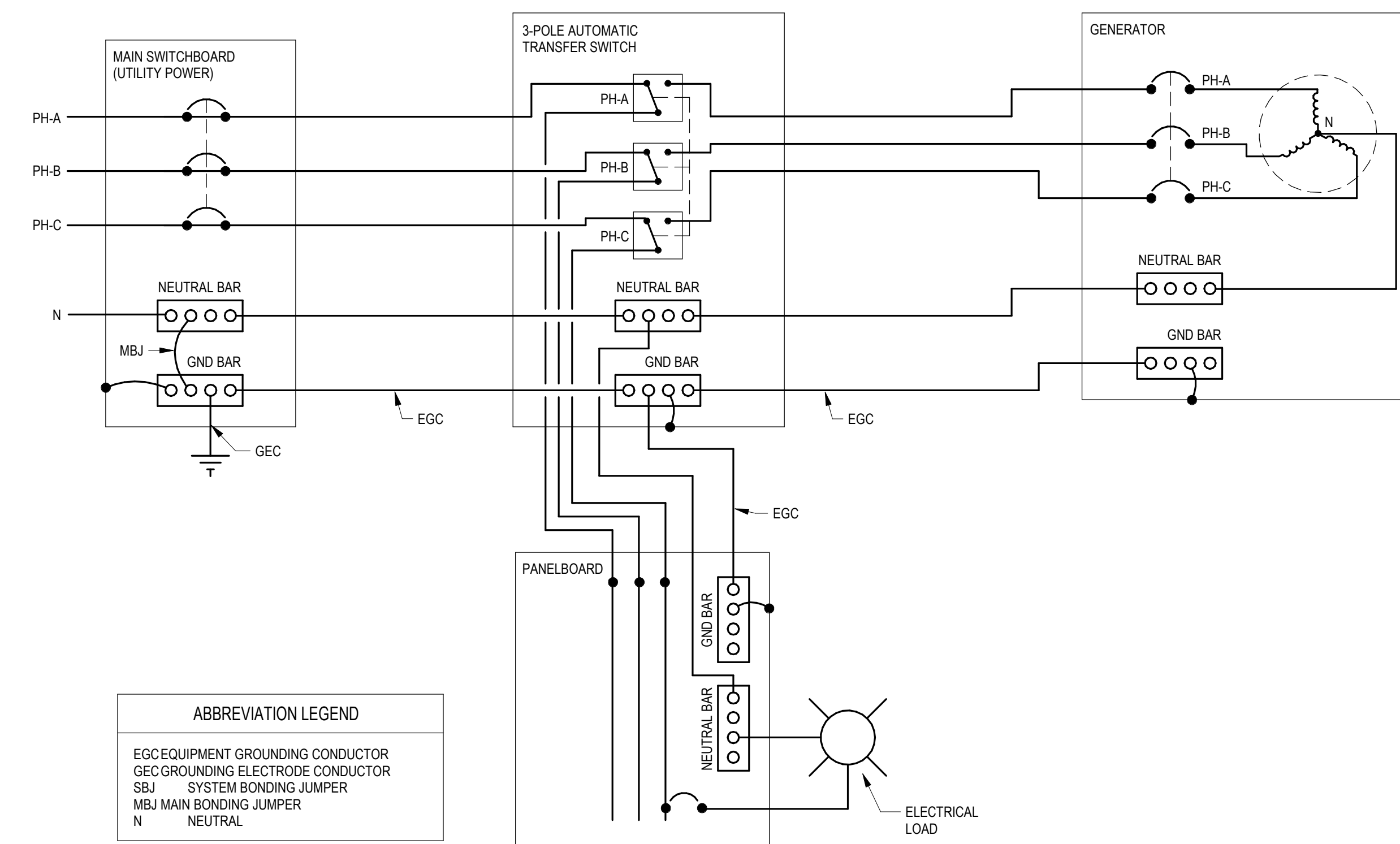
KEY VALUE	KEYNOTE TEXT
E3	COORDINATE CONNECTION OF HYDROGEN SENSOR CONTROL PANEL WITH M.C. PRIOR TO ROUGH IN.
E4	E.C. SHALL CONNECT NEW EXHAUST FAN STARTER VIA HYDROGEN DETECTION SYSTEM SENSORS MOUNTED UNDER THE ROOF DECK ADJACENT TO EXHAUST DUCT & AT FORKLIFT CHARGING STATION. INTERLOCK MOTORIZED LOUVER WITH NEW EXHAUST FAN STARTER. COORDINATE EXACT LOCATIONS WITH M.C. PRIOR TO ROUGH IN.
E5	E.C. SHALL PROVIDE AND INSTALL GENERATOR. COORDINATE CONNECTION AND EXACT LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH IN. SEE GENERATOR GROUNDING DETAIL SHEET E-501 DETAIL #4.
E6	E.C. SHALL LOCATE GFI RECEPTACLE FOR EWC TO BE CONCEALED IN SHROUD. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH IN.
E8	E.C. SHALL SWITCH EXHAUST FAN WITH LIGHTS IN MEN'S AND WOMEN'S RESTROOMS. SEE EXHAUST FAN CONNECTION DETAIL SHEET E-501 DETAIL #4.
E9	E.C. SHALL PROVIDE POWER TO GRINDER PUMP CONTROL PANEL. COORDINATE ELECTRICAL REQUIREMENTS WITH P.C. PRIOR TO ROUGH IN. SEE GRINDER PUMP DETAIL - SHEET E-501 DETAIL #6.
E13	PAD MOUNTED UTILITY TRANSFORMER PROVIDED BY POWER COMPANY. COORDINATE EXACT LOCATION WITH UTILITY PROVIDER.
E15	MASTER LIGHTING CONTROL SWITCHES - E.C. SHALL PROVIDE AND INSTALL DIGITAL SWITCHES TO CONTROL EACH INDIVIDUAL LIGHTING ZONE WITH A MASTER ON/OFF SWITCH. E.C. SHALL LABEL EACH LIGHTING ZONE SWITCH INDEPENDENTLY. PROVIDE BOLLARD PROTECTION. SEE ARCHITECTURAL PLANS FOR DETAILS.
E19	E.C. SHALL TIE NEW TELECOM BACKBOARD INTO EXISTING BUILDING MAIN TELECOMMUNICATIONS. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH IN.
E24	E.C. SHALL CONNECT BLOCK HEATER & BATTERY CHARGER. PROVIDE AND INSTALL (2) 1" CONDUITS WITH FULL STRING FOR CONTROLS.
E25	E.C. SHALL PROVIDE AND INSTALL (2) 2" CONDUIT STUBBED UP THRU CEILING IN EXISTING SERVER ROOM TO BAR JOIST FOR TELEPHONE & COMMUNICATIONS AND CONNECT TO NEW TELECOM BACKBOARD IN WAREHOUSE EXPANSION.
E26	E.C. SHALL PROVIDE POWER FOR OWNER PROVIDED DESK. CONDUIT SHALL BE SURFACE MOUNTED WITH 1" CONDUIT FOR DATA STUBBED ABOVE CEILING. COORDINATE EXACT HEIGHTS AND LOCATIONS WITH OWNER PRIOR TO ROUGH IN.
E27	E.C. SHALL PROVIDE AND CONNECT COPPER BUS BAR - SEE GROUNDING BUS INSTALLATION DETAIL - SHEET E-501 DETAIL #7.

SYMBOL	DESCRIPTION
—	NEW EQUIPMENT/FEEDER
---	GROUNDING
---	OWNER PROVIDED EQUIPMENT/FEEDER

GENERATOR NOTE:
250KW GENERATOR - FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR
• COORDINATE INSTALLATION AT NEW CONCRETE PAD PROVIDED BY G.C.
• PROVIDE GROUNDING IN ACCORDANCE WITH NEC 250



4 ELECTRICAL RISER DIAGRAM (ALTERNATE)
SCALE: N.T.S.



5 GENERATOR GROUNDING DETAIL
SCALE: N.T.S.

Location: Space 0426	Volts: 480/277 Wye	A.I.C. Rating: 65K
Supply From: UT04	Phases: 3	Main Type: GFI
Mounting: SURFACE	Wires: 4	Main Rating: 2000 A
Enclosure: NEMA1		MCP Rating: 2000 A

NEW LIGHTS (12W/SQFT)	403.2 KVA
+25% LIGHTS	100.8 KVA
RECEP(S) (1.0W/SQFT)	336.0 KVA
EVH	2.5 KVA
+25% EVH	0.5 KVA
MECHANICAL EQUIPMENT	255.7 KVA
+25% LARGEST MOTOR	6.0 KVA
FORKLIFT CHARGING	239.4 KVA
120/208V MISC.	35.1 KVA
TOTAL	1385.1 KVA

Circuit Name	FLA	Apparel Load	Voltage	Phase	Rating	Wire Size	Conduit Size
BATTERY CHARGER	13A	1.5KVA	120V	1	20A	1#12, 1#12, 1#12	1 1/2"
BLOCK HEATER	14A	3.0KVA	208V	2	20A	1#12, 1#12, 1#12	1 1/2"
EF-1	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-2	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-3	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-4	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-5	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-6	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-7	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-8	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-9	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-10	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-11	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-12	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-13	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-14	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-15	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-16	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-17	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-18	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-19	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-20	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-21	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-22	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-23	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-24	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-25	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-26	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-27	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-28	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-29	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-30	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-31	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-32	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-33	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-34	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-35	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-36	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-37	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-38	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-39	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-40	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-41	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-42	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-43	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-44	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-45	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-46	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-47	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-48	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-49	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-50	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-51	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-52	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-53	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-54	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-55	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-56	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-57	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-58	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-59	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-60	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-61	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-62	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-63	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-64	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-65	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-66	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-67	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-68	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-69	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-70	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-71	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-72	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-73	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-74	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-75	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-76	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-77	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-78	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-79	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-80	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-81	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-82	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-83	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-84	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-85	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-86	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-87	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-88	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-89	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-90	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-91	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-92	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-93	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-94	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-95	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-96	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-97	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-98	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-99	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"
EF-100	11A	9.2KVA	480V	3	25A	3#10, 1#10, 1#10	1 1/2"

* - WHERE CIRCUIT CONDUCTORS ARE SHOWN AS LARGER THAN REQUIRED BY BREAKER, THIS CIRCUIT HAS BEEN ADJUSTED FOR VOLTAGE DROP

RELAY NO.	PANEL / BREAKER	POLES	CONTROL ZONE	RELAY NOTE
1	HD2-1	1	SITE	PHOTOCELL TIME CLOCK CONTROLS
2	HD2-3	1	SITE	PHOTOCELL TIME CLOCK CONTROLS
3	HD2-19-21	2	SITE	PHOTOCELL TIME CLOCK CONTROLS
4	HD2-23-25	2	SITE	PHOTOCELL TIME CLOCK CONTROLS

PANEL NAME	VOLTAGE	RATING	MATERIAL	WIRE SIZE	CONDUIT SIZE
ATS-DE	480V	100 A	AL	3#1, 1#1, 1#6	1 1/2"
ATS-DS	480V	100 A	AL	3#1, 1#1, 1#6	1 1/2"
DT-LD1	480V	50 A	CU	3#6, 1#10	3/4"
DT-LD1	480V	70 A	CU	3#4, 1#8	1"
DT-LD2	480V	70 A	CU	3#4, 1#8	1"
DT-LD3	480V	70 A	CU	3#4, 1#8	1"
DT-SD1	480V	100 A	AL	3#6, 1#10	3/4"
EH01	480V	100 A	AL	3#1, 1#1, 1#6	1 1/2"
EH02	480V	100 A	AL	3#1, 1#1, 1#6	1 1/2"
EH03	480V	100 A	AL	6 runs of 3#650, 1#250, 1#1	1 1/2"
HD1	480V	225 A	AL	3#650, 1#500, 1#2	3"
HD2	480V	225 A	AL	3#650, 1#500, 1#2	3"
HD3	480V	225 A	AL	3#650, 1#500, 1#2	3"
HD4	480V	225 A	AL	6 runs of 3#650, 1#500, 1#2	3 1/2"
MS0D	480V	2000 A	AL	6 runs of 3#650, 1#600, 1#40	4"
SOPD	480V	100 A	AL	3#1, 1#1, 1#6	1 1/2"
LD01	208V	150 A	AL	3#1, 1#1, 1#6	1 1/2"
LD1	208V	150 A	AL	3#400, 1#350, 1#2	2"
LD2	208V	150 A	AL	3#400, 1#350, 1#2	2"
LD3	208V	150 A	AL	3#400, 1#350, 1#2	2"
LD4	208V	150 A	AL	3#1, 1#1, 1#6	1 1/2"

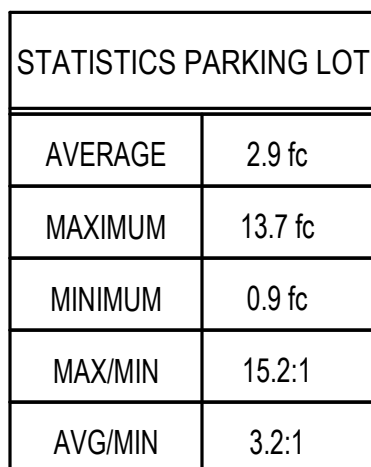
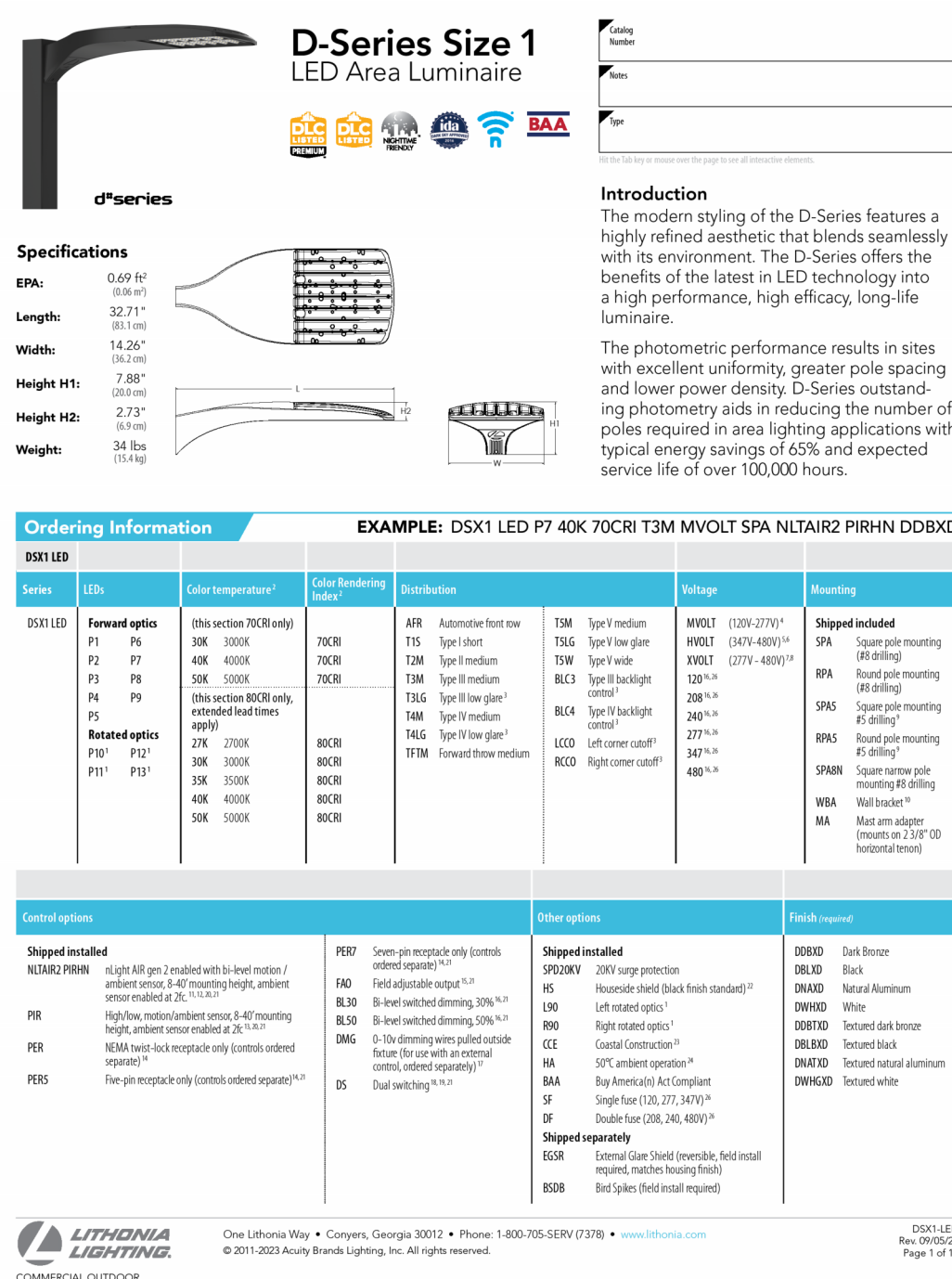
* WHEN REQUIRED, ADDITIONAL WIRE SIZES AND LABOR HOURS REQUIRED BY PANEL TYPE. THE CIRCUIT HAS BEEN ADJUSTED FOR SHORT CIRCUIT CAPACITY.

Switchboard: MCCD									
Location: Space 0426				Volts: 480/277 Wye			A.I.C. Rating: 42K		
Supply From: MSBD				Phases: 3			Mains Type: CU		
Mounting: SURFACE				Wires: 4			Main Rating: 600 A		
Enclosure: NEMA 1 USLE RATED				MCB Rating: 600 A					
CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description
MCCD-1 EF-1		3	25 A	9.2 kVA	1/2"				
MCCD-2 EF-2		3	25 A	9.2 kVA	1/2"				
MCCD-3 EF-3		3	25 A	9.2 kVA	1/2"				
MCCD-4 EF-4		3	25 A	9.2 kVA	1/2"				
MCCD-5 EF-5		3	25 A	9.2 kVA	1/2"				
MCCD-6 EF-6		3	25 A	9.2 kVA	1/2"				
MCCD-7 EF-7		3	25 A	9.2 kVA	1/2"				
MCCD-8 EF-8		3	25 A	9.2 kVA	1/2"				
MCCD-9 EF-9		3	25 A	9.2 kVA	1/2"				
MCCD-10 EF-10		3	25 A	9.2 kVA	1/2"				
MCCD-11 EF-11		3	25 A	9.2 kVA	1/2"				
MCCD-12 EF-12		3	25 A	9.2 kVA	1/2"				
MCCD-13 EF-13		3	25 A	9.2 kVA	1/2"				
MCCD-14 EF-14		3	25 A	9.2 kVA	1/2"				
MCCD-15 EF-15		3	25 A	9.2 kVA	3/4"				
MCCD-16 EF-16		3	25 A	9.2 kVA	3/4"				
MCCD-17 EF-17		3	25 A	9.2 kVA	3/4"				
MCCD-18 EF-18		3	25 A	9.2 kVA	3/4"				
MCCD-19 EF-19		3	25 A	9.2 kVA	3/4"				
MCCD-20 EF-20		3	25 A	9.2 kVA	3/4"				
MCCD-21 EF-21		3	25 A	9.2 kVA	3/4"				
MCCD-22 EF-22		3	25 A	9.2 kVA	3/4"				
MCCD-23 EF-23		3	25 A	9.2 kVA	3/4"				
MCCD-24 SPARE		3	30 A	0.0 kVA					
MCCD-25 SPARE		3	30 A	0.0 kVA					
MCCD-26 SPARE		3	30 A	0.0 kVA					
Total Load:				253 A					
Total Amps:				253 A					
Panel Totals									
Total Conn. Load:				210.5 kVA					
Total Est. Demand:				210.5 kVA					
Total Conn. Current:				253 A					
Total Est. Demand:				253 A					
Load Classification									
(BNK)Motor				210.5 kVA	100.00%				

Panel: HD1									
Location: Space 0426				Volts: 480/277 Wye			A.I.C. Rating: 42K		
Supply From: MSBD				Phases: 3			Mains Type: CU		
Mounting: SURFACE				Wires: 4			Main Rating: 225 A		
Enclosure: NEMA1				MCB Rating: NONE					
CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description
HD1-1 LTS: RESTROOMS		20 A	1	0.2	8.2				
HD1-3 LTS		20 A	1		1.6	11.4			
HD1-5 LTS		20 A	1		1.6	7.3			
HD1-7 LTS		20 A	1	1.6	0.9				
HD1-9 LTS		20 A	1		1.6	0.9			
HD1-11 LTS		20 A	1	2.1	1.9				
HD1-13 LTS		20 A	1		0.0	1.9			
HD1-15 SPARE		20 A	1			0.0	1.9		
HD1-17 SPARE		20 A	1	0.0	2.1				
HD1-19 SPARE		20 A	1		0.0	2.1			
HD1-21 SPARE		20 A	1			0.0	2.1		
HD1-23 SPARE		20 A	1	0.0	--				
HD1-25 SPARE		20 A	1		0.0	--			
HD1-27 SPARE		20 A	1		0.0	--			
HD1-29 SPARE		20 A	1			0.0	--		
HD1-31 SPARE		20 A	1	0.0	--				
HD1-33 SPARE		20 A	1		0.0	--			
HD1-35 SPARE		20 A	1			0.0	--		
HD1-37 SPARE		20 A	1	0.0	--				
HD1-39 SPARE		20 A	1		0.0	--			
HD1-41 SPARE		20 A	1			0.0	--		
Total Load:				17.1 kVA	19.5 kVA	19.3 kVA			
Total Amps:				62 A	71 A	69 A			
Panel Totals									
Total Conn. Load:				17.1 kVA	100.00%	4.1 kVA			
Total Est. Demand:				2.5 kVA	125.00%	3.1 kVA			
Total Conn. Current:				11.3 kVA	125.00%	14.1 kVA			
Total Est. Demand:				2.5 kVA	100.00%	32.5 kVA			
Load Classification									
(BNK)Recap				4.1 kVA	100.00%				
(BNK)Wht				2.5 kVA	125.00%				
(BNK)Lights				11.3 kVA	125.00%				
(BNK)Motor				0.0 kVA	0.00%	0.0 kVA			
(BNK)Other				32.5 kVA	100.00%				

Panel: LD1									
Location: Space 0426				Volts: 120/208 Wye			A.I.C. Rating: 10K		
Supply From: DT-LD1				Phases: 3			Mains Type: CU		
Mounting: SURFACE				Wires: 4			Main Rating: 225 A		
Enclosure: NEMA1				MCB Rating: 1500					
CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description
LD1-1 TELE BB QUAD		20 A	1	1.0	1.3				
LD1-3 REC: DOCK DOOR		20 A	1		1.8	1.3			
LD1-5 DOCK LEVELERS		20 A	1		1.4	0.4			
LD1-7 REC: DOCK DOOR		20 A	1	1.8	0.2				
LD1-9 DOCK LEVELERS		20 A	1		1.4	0.6			
LD1-11 REC: DOCK DOOR		20 A	1		1.8	0.2			
LD1-13 DOCK LEVELERS		20 A	1	1.4	0.1				
LD1-15 REC: DOCK DOOR		20 A	1		1.8	1.9			
LD1-17 DOCK LEVELERS		20 A	1		1.4	0.5			
LD1-19 REC: DOCK DOOR		20 A	1	0.9	--				
LD1-21 REC: ROOFTOP		20 A	1		1.1	--			
LD1-23 SPARE		20 A	1		0.0	--			
LD1-25 SPARE		20 A	1		0.0	--			
LD1-27 SPARE		20 A	1		0.0	--			
LD1-29 SPARE		20 A	1			0.0	--		
LD1-31 SPARE		20 A	1	0.0	--				
LD1-33 SPARE		20 A	1		0.0	--			
LD1-35 SPARE		20 A	1			0.0	--		
LD1-37 SPARE		20 A	1	0.0	1.5				
LD1-39 SPARE		20 A	1		0.0	1.5			
LD1-41 SPARE		20 A	1		8.2 kVA	11.4 kVA			
Total Load:				8.2 kVA	11.4 kVA	7.3 kVA			
Total Amps:				69 A	96 A	60 A			
Panel Totals									
Total Conn. Load:				4.1 kVA	100.00%	4.1 kVA			
Total Est. Demand:				2.5 kVA	125.00%	3.1 kVA			
Total Conn. Current:				17.7 kVA	100.00%	17.7 kVA			
Load Classification									
(BNK)Recap				4.1 kVA	100.00%				
(BNK)Wht				2.5 kVA	125.00%				
(BNK)Lights				17.7 kVA	100.00%				
(BNK)Motor				0.0 kVA	0.00%	0.0 kVA			
(BNK)Other				0.0 kVA	0.00%	0.0 kVA			

Panel: EHD1									
Location: Space 0426				Volts: 480/277 Wye			A.I.C. Rating: 42K		
Supply From: ATS-DE				Phases: 3			Mains Type: CU		
Mounting: SURFACE				Wires: 4			Main Rating: 100 A		
Enclosure: NEMA1				MCB Rating: NONE					
CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description
EHD1-1 LTS: EMERGENCY...		20 A	1	0.5	0.0				
EHD1-3 LTS: EMERGENCY...		20 A	1		2.3	0.0			
EHD1-5 LTS: EMERGENCY...		20 A	1		1.8	0.0			
EHD1-7 LTS: EMERGENCY...		20 A	1	1.8	--				
EHD1-9 LTS: EMERGENCY...		20 A	1		1.1	--			
EHD1-11 LTS: EMERGENCY...		20 A	1		1.1	--			
EHD1-13 LTS: EMERGENCY...		20 A	1	0.9	--				
EHD1-15 SPARE		20 A	1		0.0	--			
EHD1-17 SPARE		20 A	1		0.0	--			
EHD1-19 SPARE		20 A	1	0.0	--				
EHD1-21 SPARE		20 A	1		0.0	--			
EHD1-23 SPARE		20 A	1		0.0	--			
EHD1-25 SPARE		20 A	1	0.0	--				
EHD1-27 SPARE		20 A	1		0.0	--			
EHD1-29 SPARE		20 A	1		0.0	--			
EHD1-31 SPARE		20 A	1	0.0	--				
EHD1-33 SPARE		20 A	1		0.0	--			
EHD1-35 SPARE		20 A	1		0.0	--			
EHD1-37 SPARE		20 A	1	2.5	--				
EHD1-39 EHD2		100 A	3		3.3	--			
EHD1-41		20 A	1		2.9	--			
Total Load:				5.5 kVA	6.7 kVA	5.3 kVA			
Total Amps:				24 A	24 A	21 A			
Panel Totals									
Total Conn. Load:				17.9 kVA	125.00%	22.4 kVA			
Total Est. Demand:				17.9 kVA	125.00%	22.4 kVA			
Total Conn. Current:				17.9 kVA	125.00%	22.4 kVA			
Load Classification									
(BNK)Lights				17.9 kVA	125.00%				
(BNK)Wht				2.5 kVA	125.00%				



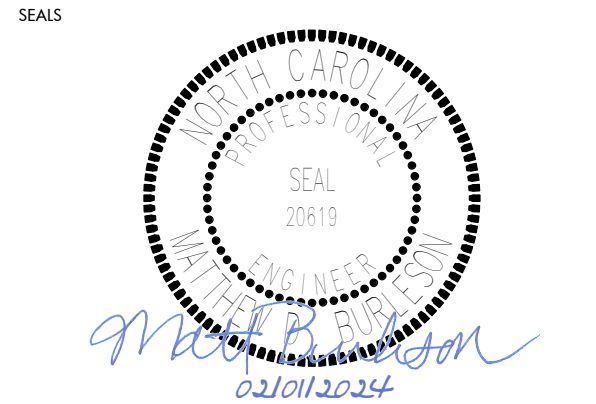
STATISTICS DRIVEWAY	
AVERAGE	2.1 fc
MAXIMUM	6.3 fc
MINIMUM	0.7 fc
MAX/MIN	9.0:1
AVG/MIN	3.0:1

Lighting Fixture Schedule					
Type Mark	Description	Manufacturer	Model	Voltage	Wattage
OP1	POLE MOUNTED PARKING LOT FLED LIGHTING	LITHONIA	RSX3 LED P3 40K R35 X3VLT HSS	480 V	267.0 W
OW1	WALL MOUNTED LIGHTING FIXTURE - TYPE 3 DISTRIBUTION - 14,000-15,000 LUMENS	LITHONIA	DSX1 LED P3 40K 80 CRI T3M MVOLT WBA	277 V	104.0 W

NOTE:

1. BUILDING LIGHTING SHALL BE PROVIDED TO ILLUMINATE ENTRANCES AND EXITS TO MEET IES STANDARDS AS PART OF THE BUILDING ELECTRICAL DESIGN AND IS NOT INCLUDED IN THE SCOPE OF THIS SITE LIGHTING LAYOUT.
2. ALL SITE LIGHTING SHALL BE SHIELDED FROM ADJACENT PUBLIC STREET USING HOUSE SIDE SHIELDS IF GREATER THAN 2.0 FC AT PROPERTY LINE.
3. THE INTENT OF THIS DRAWING IS TO SHOW FOOTCANDLE LEVELS BASED ON FIXTURES SHOWN. ACTUAL LEVELS MAY VARY BASED ON ACTUAL FIXTURES INSTALLED.
4. THIS DRAWING IS INTENDED FOR PRELIMINARY SITE PLAN APPROVAL OF DESIGNED LIGHTING LEVELS AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION.

ELECTRICAL CONNECTION NOTE:
THIS IS A SITE LIGHTING CALCULATION PLAN ONLY AND DOES NOT PROVIDE ELECTRICAL CONNECTIONS FOR FIXTURES SHOWN. SITE DEVELOPERS (OWNERS, BUILDERS AND GENERAL CONTRACTORS) ARE RESPONSIBLE FOR COORDINATING WITH BUILDING ELECTRICAL CONTRACTOR OR POWER COMPANY FOR POWER CONNECTIONS FOR ALL FIXTURES.



PROJECT Project Number

**ROOMS TO GO -
PHASE II
EXPANTION**

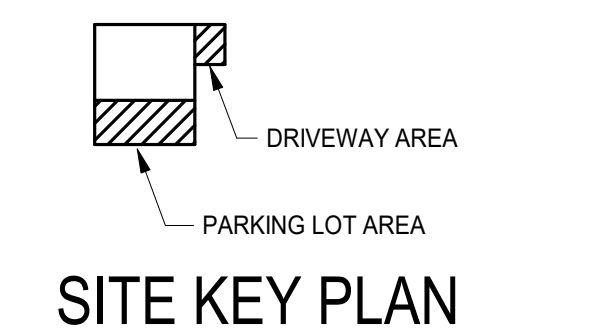
901 ROOMS TO GO WAY
DUNN, NC 28334

CONSULTANTS



ENGINEERING FIRM NUMBER: C-0110

6310 CHAPEL HILL ROAD, SUITE 250
RALEIGH, NC 27607
PHONE: 919.851.4422



CLIENT

DRAWING TITLE

SITE LIGHTIN PLAN - LTS

[illegible]

DRAWN BY	IB
CHECKED BY	PLC
DATE ISSUED	12/18/23 10 OF 11

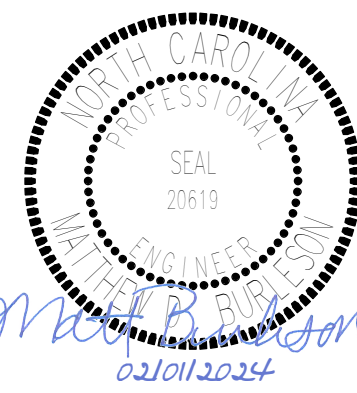


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SEALS



PROJECT Project Number

ROOMS TO GO - PHASE II EXPANTION

901 ROOMS TO GO WAY
DUNN, NC 28334

CONSULTANTS

BNK
BASS | NIXON | KENNEDY
CONSULTING ENGINEERS

ENGINEERING FIRM NUMBER: C-0110

6310 CHAPEL HILL ROAD, SUITE 250
RALEIGH, NC 27607
PHONE: 919.851.4422

CLIENT

DRAWING TITLE

SITE LIGHTING PLAN - POWER

REVISIONS

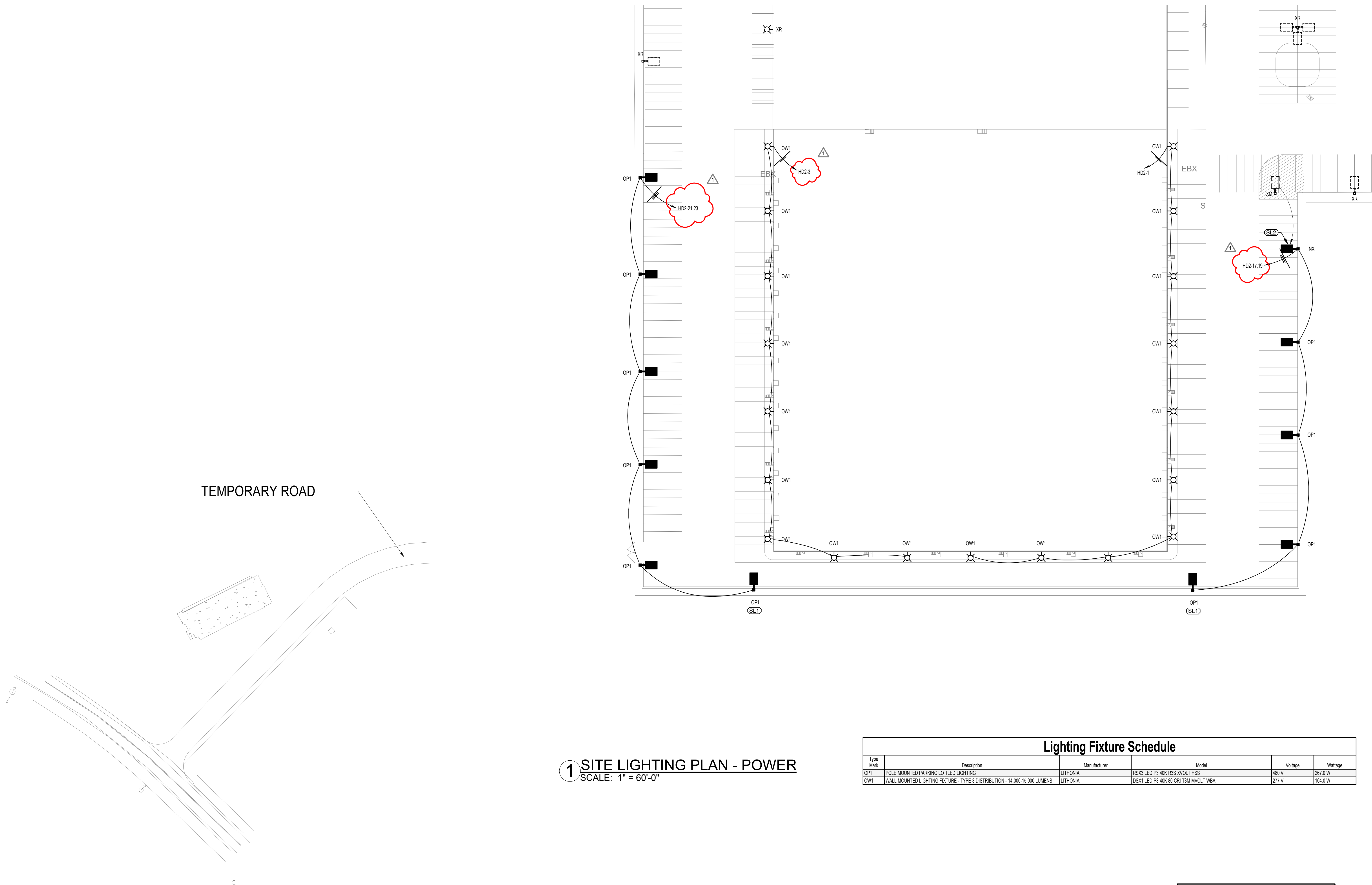
NUMBER	DESCRIPTION	DATE
1	BID DOCUMENTS	02/02/24

DRAWN BY IB

CHECKED BY PLC

DATE ISSUED 11/28/23 11 OF 11

SL-102



1 SITE LIGHTING PLAN - POWER
SCALE: 1" = 60'-0"

Lighting Fixture Schedule

Type Mark	Description	Manufacturer	Model	Voltage	Wattage
OP1	POLE MOUNTED PARKING LOT LED LIGHTING	LITHONIA	RSK3 LED P3 40K R35 XVOLT HSS	480 V	267.0 W
OW1	WALL MOUNTED LIGHTING FIXTURE - TYPE 3 DISTRIBUTION - 14,000-15,000 LUMENS	LITHONIA	DSK1 LED P3 40K 80 CRI T3M MVCLT WBA	277 V	104.0 W

ELECTRICAL KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
SL1	POLE BASES SHALL BE 10' FROM BACK EDGE OF CURB TO CENTER OF POLE.
SL2	E.C. SHALL DISCONNECT EXISTING SITE LIGHT POLE FROM EXISTING CIRCUIT AND RECONNECT TO NEW CIRCUIT.

SITE LIGHTING NOTES

- ALL UNDERGROUND CONDUITS SHALL BE MINIMUM 1" SCHEDULE 40 PVC AND SHALL INCLUDE A GROUND WIRE SIZED FOR THE CIRCUIT, UNLESS OTHERWISE NOTED.
- ALL POLE LOCATIONS SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
- REFER TO POLE BASE DETAIL - SHEET E-002/DETAIL #9
- ALL POLE BASES IN TRUCK PARKING AREA SHALL BE SET BACK A MINIMUM OF 10' FROM BACK OF CURB.
- REFER TO ARCHITECT'S ELEVATIONS FOR EXACT LOCATIONS OF ALL BUILDING MOUNTED WALL FIXTURES.
- CONTRACTOR SHALL COORDINATE EXACT LOCATION OF WALL MOUNTED LIGHT FIXTURES WITH ARCHITECT DRAWINGS PRIOR TO ROUGH.
- ALL EXTERIOR NON-EMERGENCY LIGHTING CIRCUITS SHALL BE ROUTED THROUGH LIGHTING RELAY PANELS AND CONTROLLED BY EXISTING BUILDING MANAGEMENT SYSTEM VIA PHOTOSENSOR AND TIMELOCK. PROVIDE ROOF MOUNTED PHOTOSENSOR, FACE SENSOR TOWARDS TRUE NORTH.
- ALL CONDUCTORS SHALL BE #10 AWG CU, UNLESS OTHERWISE NOTED.

VOLTAGE DROP LEGEND

BRANCH CIRCUITS SHALL MAINTAIN 3% VOLTAGE DROP OR LESS PER ARTICLE 91.1 WHERE CIRCUIT LENGTHS EXCEED THE VALUES LISTED BELOW. UTILIZE THE NEXT LARGER SIZE CONDUCTORS (INCLUDING GROUND CONDUCTORS) FOR THAT CIRCUIT.

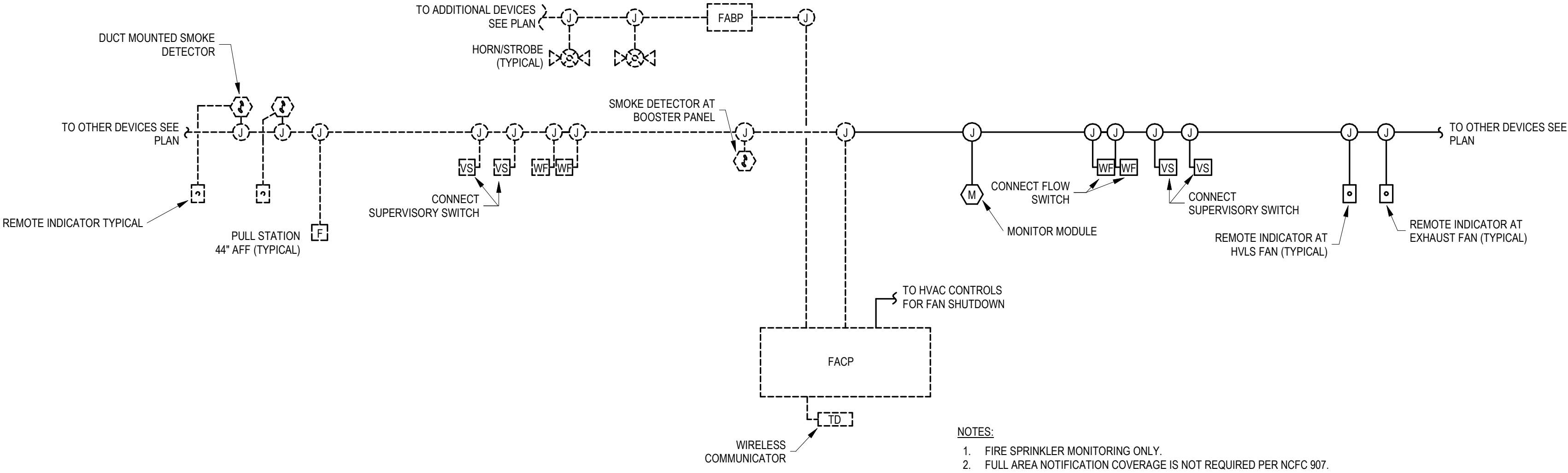
WIRE	120V	208V 1PH	277V
#12	75'	135'	180'
#10	105'	185'	250'
#8	120'	210'	280'

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX		SYSTEM OUTPUTS																																						
		FACP ANNUNCIATION													NOTIFICATION													REQUIRED FIRE SAFETY CONTROL												
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FIRE ALARM NOTES
1. ALL VISIBLE NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED PER NFPA 72, SECTION 6-4.4.1.1.
2. PROVIDE ADDITIONAL DEVICES UL LISTED FOR USE WITH EXISTING SYSTEM AS INDICATED AND CONNECT TO EXISTING SYSTEM. PROVIDE REVISED BATTERY CALCS. FOR SYSTEM WITH ALL NEW AND EXISTING DEVICES INSTALLED. PROVIDE ADDITIONAL BATTERIES AS REQUIRED TO MAINTAIN SYSTEM IN FULL COMPLIANCE WITH NFPA 72, 424 AND ALL APPLICABLE STATE AND LOCAL CODES. AS ALTERNATE CONTRACTOR MAY ADD POWER BOOSTER AND PROVIDE CALCULATIONS FOR THE ADDED DEVICES ONLY PROVIDED THAT NO NEW LOADS ARE ADDED TO EXISTING SYSTEM.
3. E.C. SHALL PROVIDE BATTERY CALCULATIONS AND CUT SHEETS FOR FIRE ALARM SYSTEM. IF BATTERY CALCS SHOW THE SYSTEM AS INSUFFICIENT, CONTRACTOR SHALL PROVIDE ALTERNATE PRICE TO ADD A NEW POWER EXTENDER UL LISTED FOR USE WITH EXISTING SYSTEM AND CONNECT NEW DEVICES TO IT. PRIOR TO INSTALLING NEW POWER EXTENDER NOTIFY ENGINEER. AS ALTERNATE CONTRACTOR MAY ADD POWER BOOSTER AND PROVIDE CALCULATIONS FOR THE ADDED DEVICES ONLY PROVIDED THAT NO NEW LOADS ARE ADDED TO EXISTING SYSTEM.
4. FIRE ALARM PROVIDER SHALL PROVIDE SHOP DRAWINGS WITH BATTERY & VOLTAGE DROP CALCULATIONS TO CITY PRIOR TO ROUGH-IN INSPECTION BY CITY.
5. FULL AREA NOTIFICATION COVERAGE IS NOT REQUIRED PER NCFC 907.

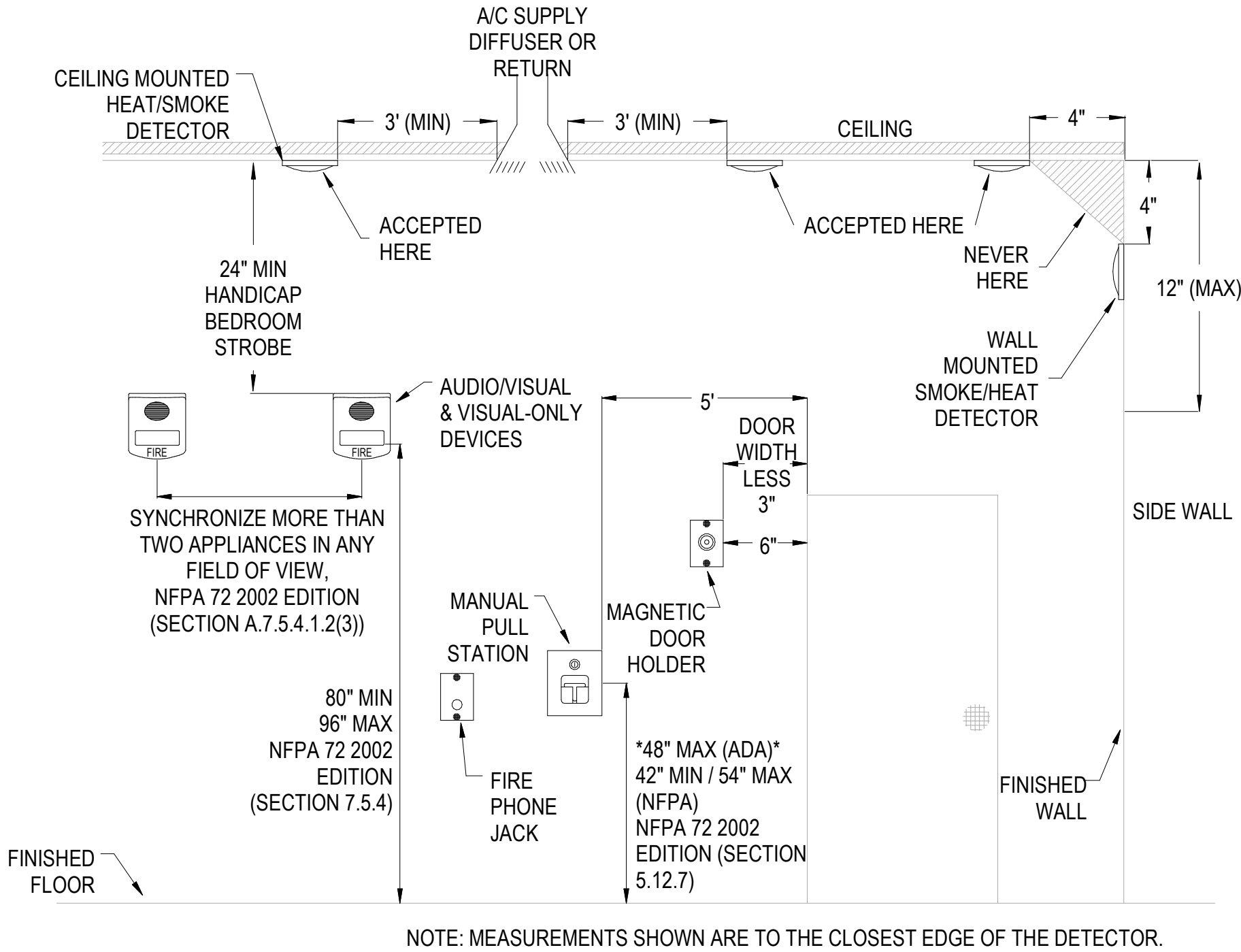
FIRE ALARM LEGEND - COMMERCIAL	
	MONITOR MODULE - CONNECT TO FIRE ALARM SYSTEM.
	FIRE ALARM RELAY - CONNECT TO FIRE ALARM SYSTEM.
	VALVE SUPERVISORY SWITCH - CONNECT TO FIRE ALARM SYSTEM.
	WATER FLOW SWITCH - CONNECT TO FIRE ALARM SYSTEM.
LINETYPE LEGEND	
	NEW (OR MODIFIED EXISTING) FA COMPONENT
	EXISTING FA COMPONENT TO REMAIN

EMERGENCY RESPONDER RADIO COVERAGE
1. IN ACCORDANCE WITH [2015 INTERNATIONAL/2018 NORTH CAROLINA] FIRE CODE SECTION 510 APPROVED EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED WITHIN THE BUILDING.
2. PROVIDE A SHOP DRAWING DESIGN FOR A DISTRIBUTED ANTENNA SYSTEM WITH AMPLIFIER TO COVER THE ENTIRE STRUCTURE IN A MANNER COMPLIANT WITH 510.4. THE SYSTEM SHALL INCLUDE BATTERY CAPACITY FOR A MINIMUM OF 24 HOURS OF OPERATION AND THE SHOP DRAWINGS SHALL INCLUDE BATTERY SIZING CALCULATIONS. RACEWAY, WITH PULL STRINGS, FOR THE SYSTEM SHALL BE INSTALLED AS PART OF THE BASE BID.
3. FIELD TESTING SHALL BE PERFORMED BY THE OWNER AT (OR NEAR) SUBSTANTIAL COMPLETION OF THE BUILDING PER 510.5.3, AND TEST RECORDS SHALL BE PROVIDED TO THE FIRE MARSHAL FOR ACCEPTANCE.
4. IF COVERAGE IS NOT DEEMED TO BE ACCEPTABLE BY THE FIRE MARSHAL THEN THE AMPLIFIER, CONDUCTORS AND ALL ADDITIONAL REQUIRED SYSTEM PARTS SHALL BE PROVIDED IN ACCORDANCE WITH THE SHOP DRAWINGS AND SECTION 510.5, INCLUDING OBTAINING A PERMIT PER SECTION 510.3. THE SYSTEM SHALL BE RETESTED BY THE OWNER PER 510.5.3, AND TEST RECORDS SHALL BE PROVIDED TO THE FIRE MARSHAL FOR ACCEPTANCE IN ACCORDANCE WITH [2015 INTERNATIONAL/2018 NORTH CAROLINA] FIRE CODE SECTION 510 APPROVED EMERGENCY RESPONDER RADIO COVERAGE SHALL BE PROVIDED WITHIN THE BUILDING.
5. EC SHALL PROVIDE AND INSTALL A 2" CONDUIT WITH 12X12 JUNCTION BOX ON EACH FLOOR FOR RDA SYSTEM RISER CABLE. 2" CONDUIT SHALL BE RUN IN 2 HOUR RATED MECHANICAL CHASE OR STAIRWELL. PROVIDE 20X24 RATED ACCESS PANELS IN RATED WALLS FOR ACCESS AS REQUIRED.



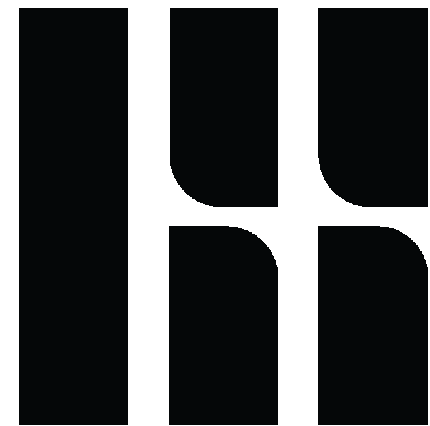
1 FIRE ALARM RISER DIAGRAM

SCALE: NONE



2 FIRE ALARM DEVICE MOUNTING HEIGHTS

SCALE: NONE



ARCHITECTURE | INTERIOR DESIGN
LANDSCAPE ARCHITECTURE

300 S. DAWSON STREET
RALEIGH, NC 27601 | 919.821.5547
www.hagersmith.com

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SEALS



PROJECT

ROOMS TO GO -
PHASE II
EXPANSION

901 Rooms To Go Way
Dunn, NC 28334

CONSULTANTS



ENGINEERING FIRM NUMBER: C-0110

6310 CHAPEL HILL ROAD, SUITE 250
RALEIGH, NC 27607
PHONE: 919.851.4422

CLIENT



901 Rooms to Go Way
Dunn, NC 28334
(910) 292-3505

DRAWING TITLE

FIRE ALARM GENERAL

REVISIONS

NUMBER	DESCRIPTION	DATE

DRAWN BY: AMW
CHECKED BY: PLC
DATE ISSUED: 12/18/2023 1 OF 3

FA-001

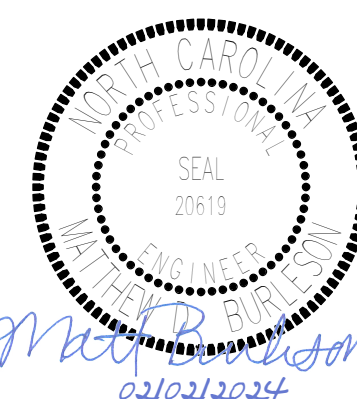


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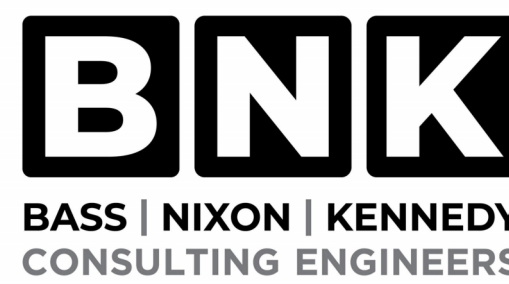


PROJECT

ROOMS TO GO -
PHASE II
EXPANSION

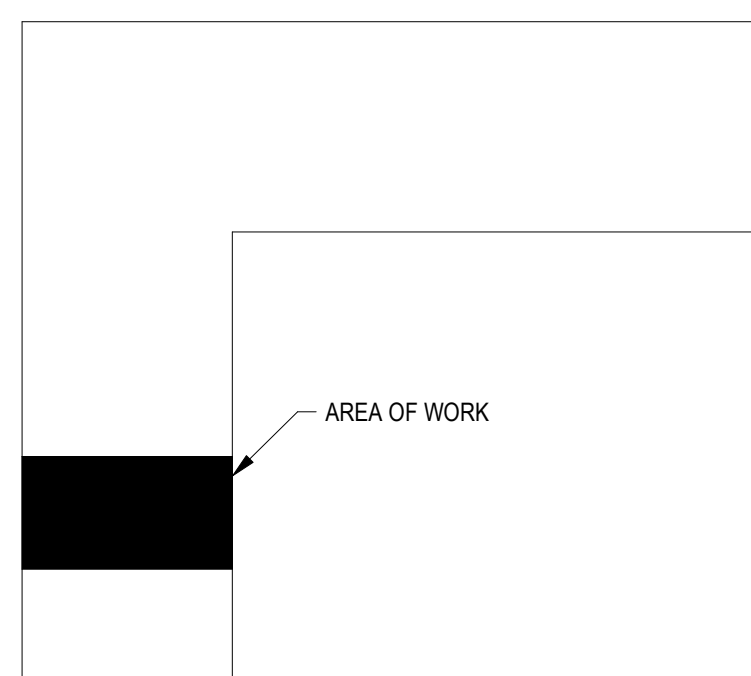
901 Rooms To Go Way
Dunn, NC 28334

CONSULTANTS



ENGINEERING FIRM NUMBER: C-0110

6310 CHAPEL HILL ROAD, SUITE 250
RALEIGH, NC 27607
PHONE: 919.851.4422



KEY PLAN

CLIENT



901 Rooms to Go Way
Dunn, NC 28334
(910) 292-3505

DRAWING TITLE

PARTIAL FLOOR PLAN NORTH - FIRE
ALARM

REVISIONS

NUMBER	DESCRIPTION	DATE

DRAWN BY

AMW

CHECKED BY

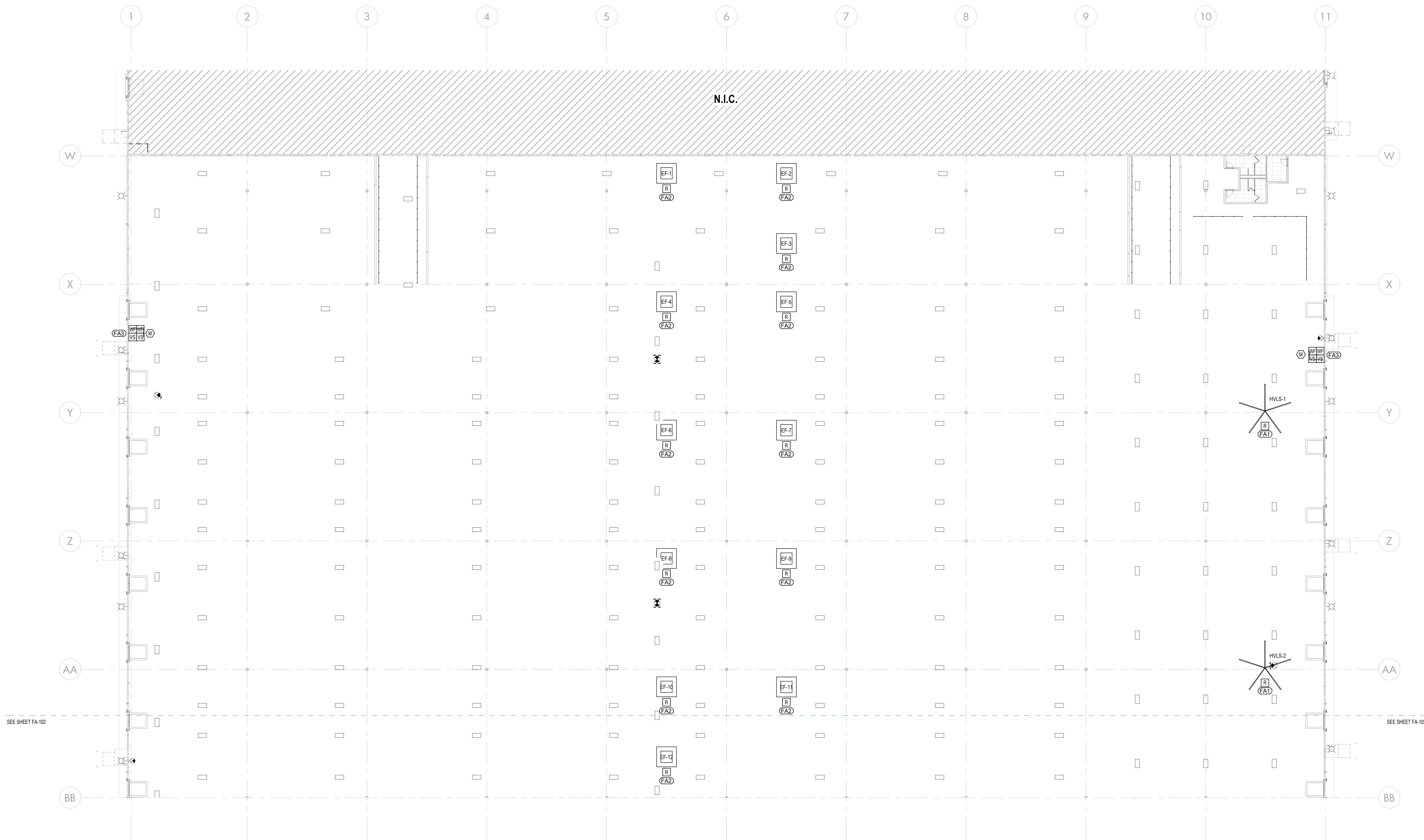
PLC

DATE ISSUED

12/18/2023

2 OF 3

FA-101



NOTE:
1. FOR BUILDING CODE SUMMARY SHEET, THIS IS A STORAGE OCCUPANCY AND FULL COVERAGE
NOTIFICATION IS NOT REQUIRED PER NFPA SECTION 907.

1 PHASE II FLOOR PLAN - PLAN NORTH - FA
SCALE: 1" = 20'-0"

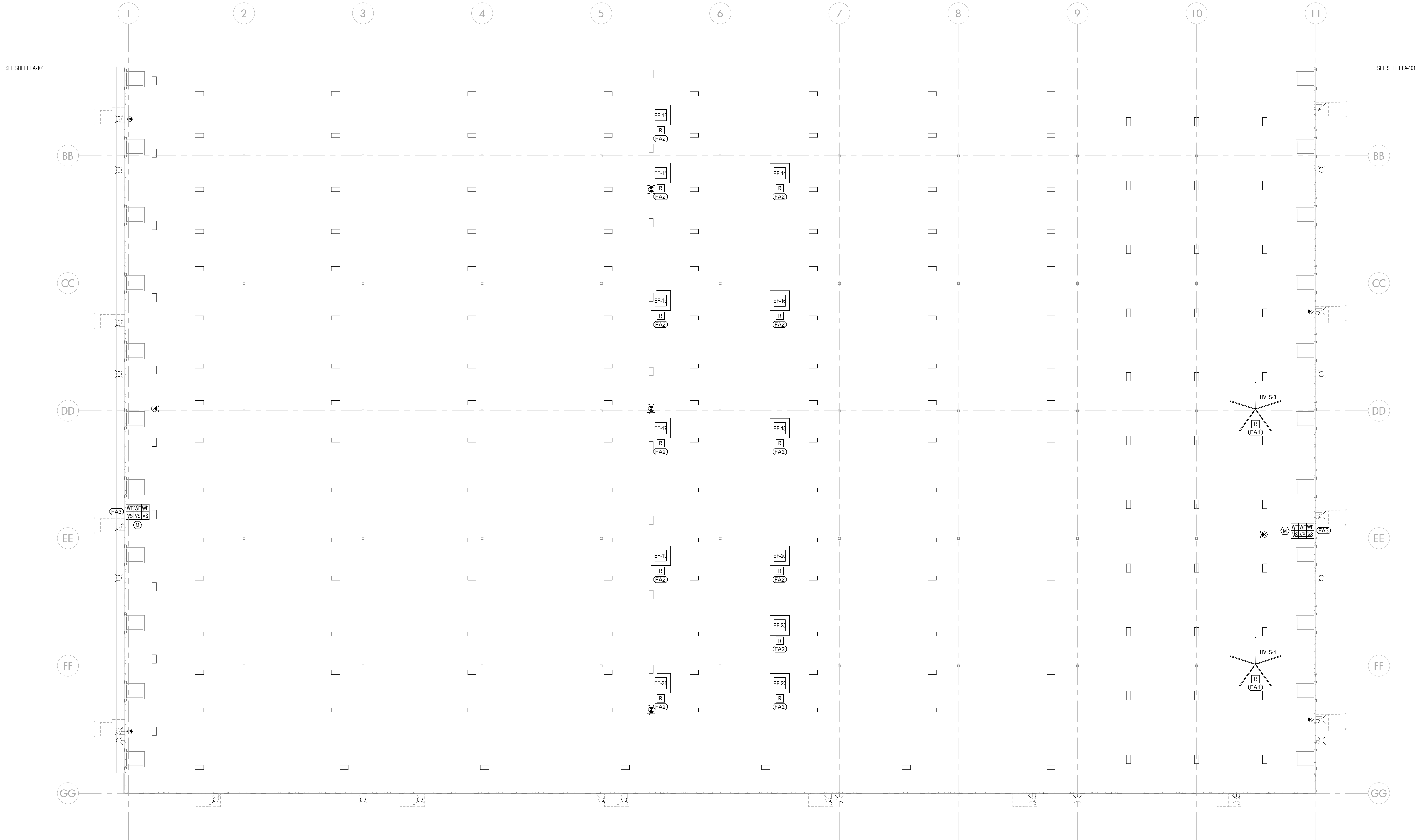
FIRE ALARM KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
FA1	F.A.C. SHALL PROVIDE RELAY FOR HVL'S SHUTDOWN UPON FACP ACTIVATION.
FA2	F.A.C. SHALL PROVIDE RELAY FOR EXHAUST FAN SHUTDOWN UPON FACP ACTIVATION.
FA3	PROVIDE AND INSTALL TAMPER AND FLOW SWITCHES AS REQUIRED FOR SPRINKLER RISER MONITORING. COORDINATE EXACT LOCATIONS AND QUANTITIES WITH F.P.C. PRIOR TO ROUGH IN.

SEISMIC DESIGN NOTE

SEISMIC DESIGN CATEGORY: C
RISK CATEGORY: II
SITE CLASSIFICATION: D

REFER TO BOOK SPECIFICATIONS FOR COMPLETE SEISMIC DESIGN
REQUIREMENTS FOR PIPING, CONDUIT, DUCTWORK, EQUIPMENT, ETC.:

FIRE SUPPRESSION: 21 0548
PLUMBING SECTION: 22 0548
MECHANICAL SECTION: 23 0548
ELECTRICAL SECTION: 26 0548



NOTE:
1. PER BUILDING CODE SUMMARY SHEET, THIS IS A STORAGE OCCUPANCY AND FULL COVERAGE
NOTIFICATION IS NOT REQUIRED PER NFCC SECTION 907.

1 PHASE II FLOOR PLAN - PLAN SOUTH - FA
SCALE: 1" = 20'-0"

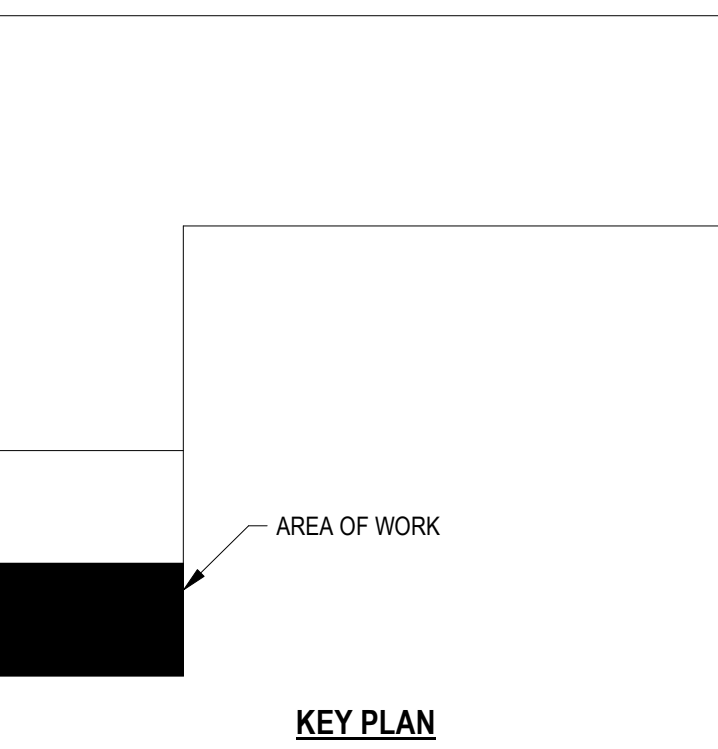
FIRE ALARM KEYNOTE LEGEND	
KEY VALUE	KEYNOTE TEXT
FA1	F.A.C. SHALL PROVIDE RELAY FOR HVL'S SHUTDOWN UPON FACP ACTIVATION.
FA2	F.A.C. SHALL PROVIDE RELAY FOR EXHAUST FAN SHUTDOWN UPON FACP ACTIVATION.
FA3	PROVIDE AND INSTALL TAMPER AND FLOW SWITCHES AS REQUIRED FOR SPRINKLER RISER MONITORING. COORDINATE EXACT LOCATIONS AND QUANTITIES WITH F.P.C. PRIOR TO ROUGH IN.

SEISMIC DESIGN NOTE	
SEISMIC DESIGN CATEGORY: C RISK CATEGORY: II SITE CLASSIFICATION: D	
REFER TO BOOK SPECIFICATIONS FOR COMPLETE SEISMIC DESIGN REQUIREMENTS FOR PIPING, CONDUIT, DUCTWORK, EQUIPMENT, ETC.:	
FIRE SUPPRESSION: 21 0548 PLUMBING SECTION: 22 0548 MECHANICAL SECTION: 23 0548 ELECTRICAL SECTION: 26 0548	



PROJECT
**ROOMS TO GO -
PHASE II
EXPANSION**
901 Rooms To Go Way
Dunn, NC 28334

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DRAWING TITLE
**PARTIAL FLOOR PLAN SOUTH - FIRE
ALARM**

REVISIONS		
NUMBER	DESCRIPTION	DATE

DRAWN BY: **AMW**
CHECKED BY: **PLC**
DATE ISSUED: **12/18/2023** 3 OF 3