LECTRICAL SYMBOLS

:LÉ	ECTRICAL ABBREVIATIONS	EL	CIKICAL ARRKEATALI	UNS	ELECTRICAL SYMBO
	AMPERES OR AMP METER	REV	REVISION	О	WALL MTD LIGHTING FIXTURE AND OUTLET
C	ALTERNATING CURRENT	RLA	RATED LOAD AMPS	\odot	PENDANT LIGHTING FIXTURE AND OUTLET
F FC	AMP FRAME ABOVE FINISHED CEILING	RMC SN	RIDGID METAL CONDUIT SOLID NEUTRAL	0	DOWNLIGHT LIGHTING FIXTURE AND OUTLET
FF	ABOVE FINISHED FLOOR	SNAC	SIGNAL NOTIFICATION APPLIANCE CIRCUIT		WALL MTD LIGHTING FIXTURE AND OUTLET
FG	AMPERE INTERRUPTING CARACITY	SP SPD	SURGE PROTECTED SURGE PROTECTED DEVICE		PENDENT MOUNTED STRIP FIXTURE
C _T	AMPERE INTERRUPTING CAPACITY ALTERNATE	SPD SPDT	SINGLE POLE DOUBLE THROW	•	CEILING MTD LIGHTING FIXTURE AND OUTLET
NSI	AMERICAN NATIONAL STANDARDS INSTITUTE	SPEC	SPECIFICATION	M	WALL MTD EXIT SIGN AND OUTLET, SINGLE FACE. ARROW INDICATES
RCH	ARCHITECTURAL	SPST	SINGLE POLE SINGLE THROW	' ◄_	DIRECTION.
ι ΓS	AMP TRIP AUTOMATIC TRANSFER SWITCH	SQ SWBD	SQUARE SWITCHBOARD	<u> </u>	CEILING MTD EXIT SIGN AND OUTLET, DUAL FACE. ARROWS INDICATE DIRECTION.
٧G	AMERICAN WIRE GAGE	SWGR	SWITCHGEAR	4	EMERGENCY LIGHT BATTERY PACK - TWO HEAD UNIT.
C	BELOW FINISHED CEILING	TBB	TELEPHONE BACK BOARD		CEILING MOUNTED EMERGENCY BATTERY LIGHT
G	BELOW FINISHED GRADE CELSIUS; COIL	OM	TELECOMMUNICATIONS	Z	
3	CIRCUIT BREAKER	TEMP	TEMPERATURE	7	EMERGENCY LIGHT REMOTE HEAD
CTV	CLOSED CIRCUIT TELEVISION SYSTEM CANDELA	THD TV	TOTAL HARMONIC DISTORTION TELEVISION	⊳ •	GROUND MOUNTED FLOODLIGHT AND OUTLET
.G	CEILING	TYP	TYPICAL	∐ •	AREA LUMINAIR AND STANDARD
DAX	COAXIAL CABLE	UL	UNDERWRITERS LABORATORIES INC.	S	FLUSH MTD TOGGLE SWITCH, SPST, 20A, 120/277V
ONTR -	CONTRACTOR CURRENT TRANSFORMER	UNO V	UNLESS NOTED OTHERWISE VOLTAGE; VOLT	S²	FLUSH MTD TOGGLE SWITCH, DPST, 20A, 120/277V
V	CABLE TELEVISION	VAC	VOLTS ALTERNATING CURRENT	S³	FLUSH MTD 3-WAY TOGGLE SWITCH, 20A, 120/277V
J	COPPER	VDC	VOLTS DIRECT CURRENT	S ⁴	FLUSH MTD 4-WAY TOGGLE SWITCH, 20A, 120/277V
VG	DRAWING	VFD VOL	VARIABLE FREQUENCY DRIVE VOLUME	S ^D	FLUSH MTD DIMMER SWITCH, 20A, 120/277V
; :B	ELECTRICAL CONTRACTOR ENCLOSED CIRCUIT BREAKER	W	WIRE	s ^k	FLUSH MTD KEY SWITCH, 20A, 120/277V
	EXHAUST FAN	W/	WITH	S ^{os}	FLUSH MOUNTED OCCUPANCY SENSOR SWITCH, 20A, 120/277V
C C	EQUIPMENT GROUNDING CONDUCTOR	WG WP	WIREGUARD WEATHERPROOF	s'	FLUSH MTD LIGHTED HANDLE TOGGLE SWITCH, SPST, 20A,
EC 1	ELECTRICAL EMERGENCY	XFMR	TRANSFORMER	D	120V. LIGHT ON WITH OPEN SWITCH
ΙT	ELECTRICAL METALLIC TUBING	XP	EXPLOSION PROOF	S ^P	FLUSH MTD TOGGLE SWITCH WITH PILOT LIGHT. LIGHT ON WITH CLOSED SWITCH.
O R	EMERGENCY POWER OFF	Z ø	IMPEDANCE ROUND; DIAMETER; PHASE	S ^T	TIMED SWITCH
K VC	EXISTNG TO REMAIN ELECTRIC WATER COOLER	v	NOOND, DIAMETER, I HAGE		CEILING MTD INFRA-RED OCCUPANCY SENSOR SWITCH
CP	FIRE ALARM CONTROL PANEL			© IR	CEILING MTD ULTRASONIC OCCUPANCY SENSOR SWITCH
TC E	FIRE ALARM TERMINATION CABINET			<u></u>	
E	FINISHED FLOOR ELEVATION FLOOR			© DT	CEILING MTD DUAL TECHNOLOGY (IR, U) OCCUPANCY SENSOR SWITCH
Α	FULL LOAD AMPS			PC	PHOTOCELL
C	FLEXIBLE LIQUIDTIGHT CONDUIT FLEXIBLE			ф	FLUSH MTD DUPLEX RECEPTACLE, 20A, 125V, 3W
EX 1C	FLEXIBLE FLEXIBLE METAL CONDUIT			ф ^{GFI}	FLUSH MTD DUPLEX GFCI RECEPTACLE, 20A, 125V, 3W
•	FEET; FOOT			Φ ^U	
J	FUSE			Ψ	FLUSH MTD DUPLEX RECEPTACLE WITH DUPLEX USB OUTLETS, 20A, 125V, 3W
\ 3	GAUGE; GAGE GROUND BUS			Ф	FLUSH MTD SINGLE RECEPTACLE, 20A, 125V, 3W
)	GENERAL CONTRACTOR				FLUSH MTD QUADRUPLEX RECEPTACLE, 20A, 125V, 3W
EC FI,	GROUNDING ELECTRODE CONDUCTOR GROUND FAULT (CIRCUIT) INTERRUPTER			Ф	FLUSH MTD DUPLEX RECEPTACLE, 20A, 125V, 3W, SPLIT WIRED
-i, -CI	GROUND FACE (CIRCUIT) INTERROFTER			U	WITH TOP OUTLET SWITCHED.
ND	GROUND			•	FLUSH MTD DUPLEX RECEPTACLE, 20A, 125V, 3W, INSTALLED
D DA	HEAVY DUTY HANDS-OFF-AUTOMATIC				VERTICALLY 4" ABOVE BACKSPLASH OR COUNTERTOP IF NO BACKSPLASH EXISTS.
5	HORSEPOWER			4	FLUSH MTD QUADRUPLEX RECEPTACLE, 20A, 125V, 3W,
/AC	HEATING, VENTILATING & AIR CONDITIONING			•	INSTALLED VERTICALLY 4" ABOVE BACKSPLASH OR COUNTERTOP
7	HERTZ ISOLATED GROUND			6	IF NO BACKSPLASH EXISTS.
С	INTERMEDIATE METAL CONDUIT				WALL MOUNTED POWER DEVICE
	JUNCTION BOX			₽ВX	FLOOR BOX WITH DEVICE(S). REFER TO SCHEDULES FOR MARK
/ /A	KILOVOLT KILOVOLT AMPERE			₩	WALL MTD TELECOM OUTLET, REFER TO SCHEDULES FOR MARK
٧	KILOWATT			$\bigoplus \bigoplus \bigoplus$	CEILING MTD RECEPTACLE AND OUTLET, 20A, 125V
VH	KILOWATT HOUR			lacktriangledown	CEILING MTD TELECOM OUTLET, REFER TO SCHEDULES FOR MARK
	LIGHT EMMITING DIODE LOCKED ROTOR AMPS				CEILING MTD DUPLEX RECEPTACLE & TELECOM OUTLET, REFER
	LIFE SAFETY				TO SCHEDULES FOR MARK
G	LIGHTING			s	CEILING MTD PUBLIC ADDRESS SPEAKER
2	MOTOR; METERING METAL CLAD			V	FLUSH MTD VOLUME CONTROL FOR SPEAKER
CB	MAIN CIRCUIT BREAKER			T T	WALL MTD TELEVISION ANTENNA/ELECTRICAL
CC	MOTOR CONTROL CENTER			(OUTLET, REFER TO SCHEDULES FOR MARK (WIFI) WIRELESS ACCESS POINT.
CP CS	MOTOR CONTROL PROTECTOR MOLDED CASE SWITCH			<u> </u>	
H	MANHOLE			_	PANELBOARD, 250V LEVEL
N	MINIMUM				PANELBOARD, 600V LEVEL
.O NEU	MAIN LUG ONLY NEUTRAL			₩ [₩] X-#,#,#	HOMERUN; ARROW HEADS INDICATE NUMBER OF CIRCUITS, LETTERS AND NUMBERS DESIGNATE PANEL AND CIRCUITS. SHORT TICK MARKS
C	NATIONAL ELECTRICAL CODE			2,,	INDICATE NUMBER OF CURRENT CARRYING PHASE CONDUCTORS. LONG
	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION				TICK MARK(S) INDICATE NEUTRAL(S). GROUNDING CONDUCTORS REQUIRED BY SPECIFICATIONS ARE NOT SHOWN. CONDUCTOR SIZES
- PA	NON-FUSED NATIONAL FIRE PROTECTION ASSOCIATION				SPECIFIED ON THE PANEL SCHEDULES ARE MANDATORY FOR THE
C C	NOT IN CONTRACT				ENTIRE CIRCUIT EXCEPT WHERE SPECIFICATIONS REQUIRE A SIZE INCREASE FOR VOLTAGE DROP.
-	NIGHT LIGHT			X	SURFACE METAL RACEWAY WITH DEVICES, LETTER DESIGNATES TYPE
) DM	NORMALLY OPEN; NUMBER NOMINAL				PENDANT MTD, PLUG-IN BUS DUCT WITH PLUG-IN CIRCUIT BREAKER
	NOT TO SCALE				OR FUSIBLE SWITCH AND TAP BOX. DUCT AND SWITCH RATING AS
	ON CENTER			<u>#A</u> #A	NOTED. TOP # - DEVICE MAXIMUM RATING OR FRAME SIZE
-	OVERLOAD POLE			#A	BOTTOM # - FUSE SIZE OR DEVICE SETTING
3	PULL BOX			<u>Г</u>	DISCONNECT SWITCH.
_	DUOTOCELL				COMPINATION DISCONNECT OWITCH AND MACNETIC MOTOR STARTER

PHASE

PANEL

ROUND

PH

PHOTOCELL

POWER FACTOR

PUN PER UNIT NAMEPLATE

PVC POLYVINYL CHLORIDE (CONDUIT)

POINT; POTENTIAL TRANSFORMER

FLUSH MOUNTED MUSHROOM HEAD PUSH BUTTON FLUSH MOUNTED PUSH BUTTON SUPPLEMENTAL GROUND BAR GROUND PER NEC ELECTRICAL DEMAND METER SURGE PROTECTION DEVICE WALL MTD FIRE ALARM PULL STATION SMOKE DETECTOR, CEILING MTD SMOKE DETECTOR FOR ELEVATOR RECALL, CEILING MTD SMOKE DETECTOR WITH SOUNDER BASE, CEILING MTD SMOKE DETECTOR, CEILING MTD, MULTI SENSOR CEILING MTD REMOTE ALARM INDICATOR LAMP CARBON MONOXIDE DETECTOR SMOKE DETECTOR, DUCT MTD (WITH RAIL) HEAT DETECTOR, CEILING MTD SMOKE DETECTOR, WALL MTD SMOKE DETECTOR WITH SOUNDER BASE, WALL MTD WALL MTD HEAT DETECTOR WALL MTD REMOTE ALARM INDICATOR LAMP (RAIL)

WALL MTD HORN TYPE AUDIO/VISUAL APPLIANCE WALL MTD SPEAKER TYPE AUDIO/VISUAL APPLIANCE WALL MTD CHIME TYPE AUDIO/VISUAL APPLIANCE WALL MTD VISUAL ALARM APPLIANCE CEILING MTD HORN TYPE AUDIO/VISUAL ALARM APPLIANCE CEILING MTD SPEAKER TYPE AUDIO/VISUAL ALARM APPLIANCE CEILING MTD CHIME TYPE AUDIO/VISUAL ALARM APPLIANCE CEILING MTD FIRE ALARM VISUAL DEVICE

DOOR HOLDER FIRE ALARM MONITOR MODULE FLOW SWITCH FIRE ALARM CONNECTION, SWITCH PROVIDED BY OTHERS TAMPER SWITCH FIRE ALARM CONNECTION, SWITCH PROVIDED BY OTHERS POST INDICATOR VALVE FIRE ALARM CONNECTION, VALVE PROVIDED BY OTHERS FIRE ALARM TEMPERATURE SENSOR FIRE ALARM CONTROL MODULE OR RELAY

CEILING MTD FIRE ALARM SPEAKER CLOCK FIRE ALARM BELL; # INDICATED DIAMETER IN INCHES LINEAR BEAM TRANSMITTER

LINEAR BEAM RECEIVER FIRE ALARM WALL MTD SPEAKER FIREMAN'S 2-WAY TELEPHONE FIRE ALARM ISOLATION MODULE FIRE ALARM ASPIRATION SMOKE DETECTOR

DIGITAL ALARM COMMUNICATIONS TRANSMITTER FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET

SUPPLEMENTAL NOTIFICATION APPLIANCE CABINET DOOR CONTROL ID TAG

SECURITY SYSTEM KEYPAD, 42" AFF

ACCESS CONTROL CARD READER SECURITY PANIC BUTTON CAMERA BY OWNER. PROVIDE 1" CONDUIT BACK TO IT ROOM ON SAME LEVEL EMERGENCY TELEPHONE

MASTER RESCUE ASSISTANCE STATION RESCUE ASSISTANCE STATION RESCUE ASSISTANCE LIGHT

CORD REEL

COMBINATION DISCONNECT SWITCH AND MAGNETIC MOTOR STARTER.

FLUSH MTD MANUAL MOTOR STARTER SWITCH WITHOUT OVERLOAD

3 POLE CIRCUIT BREAKER IN ENCLOSURE. # INDICATES CB RATING.

VARIABLE FREQUENCY DRIVE CONTROLLER, 40" AFF, PROVIDED BY HVAC OR PLUMBING CONTRACTOR AND WIRED BY ELECTRICAL

SEE SCHEDULE OR NOTE.

MAGNETIC MOTOR STARTER

MAGNETIC CONTACTOR, SIZE PER SCHEDULE

MAGNETIC RELAY, SIZE PER SCHEDULE

JUNCTION, PULL, TAP OR OUTLET BOX (CODE SIZE)

HEATERS

CONTRACTOR

TIME CLOCK

NEW WORK — — EXISTING TO REMAIN /// EXISTING TO BE DEMOLISHED

ELECTRICAL GENERAL NOTES

ALL SYMBOLS AND ABBREVIATIONS MAY NOT BE UTILIZED FOR THIS PROJECT. SYMBOLS NOT SHOWN ON THIS ELECTRICAL SYMBOL LEGEND ARE IDENTIFIED ON THE

DRAWINGS WHERE THEY OCCUR. UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS OR ON THE DRAWINGS, MOUNTING HEIGHT OF DEVICES IS TO BE THE CENTERLINE OF THE DEVICE. UNLESS OTHERWISE INDICATED, SWITCHES AND SIMILAR DEVICES ARE TO BE LOCATED 42" AFF; RECEPTACLES ARE TO BE VERTICALLY MOUNTED AT 18" AFF WITH THE GROUNDING TERMINAL

ON THE BOTTOM. TELEPHONE & DATA OUTLETS ARE TO BE MOUNTED AT 18" AFF UNLESS OTHERWISEINDICATED. "W" INDICATES MOUNTING AT 42" AFF: "C" INDICATES MOUNTING ABOVECOUNTERTOP WITH ALIGNMENT AND HEIGHT AS INDICATED FOR RECEPTACLES SIMILARLY MOUNTED.

FIRE ALARM PULL STATIONS ARE TO BE VERTICALLY MOUNTED AT 42" AFF. FIRE ALARM INDICATING APPLIANCES SHALL BE 15 Cd RATING, UNLESS NOTED OTHERWISE ON

FIRE ALARM INDICATING APPLIANCES ARE TO BE MOUNTED WITH THE LOWER EDGE OF THE VISUAL ELEMENT AT 6'-8" AFF OR 6" BFC. WHICHEVER IS LOWER. WHERE DUCTWORK. CONDUIT. OR OTHER OBSTRUCTIONS BLOCK DIRECT VIEW OF APPLIANCE, MOUNT 6" BELOW SUCH CEILING MOUNTED SMOKE DETECTORS ARE SHOWN IN APPROXIMATE LOCATION. COORDINATE

EXACT LOCATION WITH CEILING FEATURES. WALL MOUNTED SMOKE DETECTECTORS ARE TO BE MOUNTED 10" BELOW FINISHED CEILING TO THE CENTER OF DEVICE AND A MINIMUM OF 12" FROM ADJACENT WALLS OR OTHER OBSTRUCTIONS.

COORDINATE SMOKE DETECTOR AND HEAT DETECTOR LOCATIONS WITH HVAC SUPPLY AND RETURN GRILLES. MAINTAIN 3'-0" CLEARANCE BETWEEN EDGE OF SUPPLY GRILL AND EDGE OF

UPPER CASE LETTER (OR LETTER/NUMBER COMBINATION) ADJACENT TO FIXTURE OR SWITCH DESIGNATES TYPE. SEE FIXTURE SCHEDULE FOR DETAILS.

LOWER CASE LETTER ADJACENT TO FIXTURE OR SWITCH DESIGNATES CONTROL RELATIONSHIP. NUMBER ADJACENT TO FIXTURE, SWITCH, OR RECEPTACLE DESIGNATES CIRCUIT CONNECTION. SINGLE DIAGONAL LINE ACROSS A FIXTURE INDICATES FIXTURE IS UNSWITCHED FOR 24 HOUR OPERATION.

ELECTRICAL CIRCUITING KEY

X-#,#,# AREA DEVICE HOMERUN

X-# LOCAL DEVICE CIRCUIT

X-#,#,# AREA LIGHTING HOMERUN

X-# EXIT LIGHT FIXTURE CIRCUIT

X-#_EMERGENCY LIGHT FIXTURE

(UNSWITCHED)

CIRCUIT DESIGNATION

DESIGNATION

—DEVICE AS INDICATED

WHERE INDICATED

DESIGNATION, PER

SWITCHING GROUP

DESIGNATION INDICATES TYPE OF LUMINAIRE

DESIGNATION (UNSWITCHED)

-SWITCHLEG BETWEEN

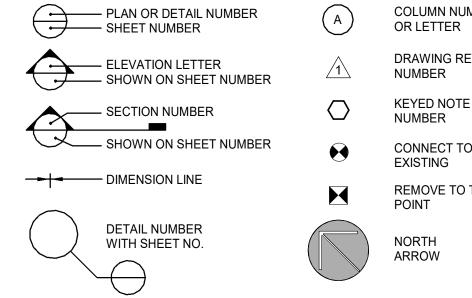
SWITCH TYPE AS INDICATED

WHERE INDICATED

REFERENCE SPECIFICATION 260800 FOR THIRD PARTY COMMISSIONING REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL ENGAGE AN INDEPENDANT, THIRD PARTY COMMISSIONING AGENT IN ACCORDANCE WITH ANIS/NETA ECS-2015.

ELECTRICAL DRAWING LIST STANDARDS, SYMBOLS & ABBREVIATIONS E002 1st FLOOR PLAN - POWER E112 1st FLOOR PLAN - LIGHTING E113 1st FLOOR PLAN - FIRE ALARM E121 2nd FLOOR PLAN - POWER E122 2nd FLOOR PLAN - LIGHTING E123 2nd FLOOR PLAN - FIRE ALARM E131 ROOF PLAN E200 ENLARGED PLANS E301 ELECTRICAL DETAI ELECTRICAL DETAILS E302 ELECTRICAL DETAILS E401 PANEL SCHEDULES - 480V E402 PANEL SCHEDULES - GENERATOR E403 PANEL SCHEDULES - GENERAL POWER E404 PANEL SCHEDULES - VENDOR E405 PANEL SCHEDULES - VENDOR PANEL SCHEDULES - SITE PANELS E501 LIGHTING FIXTURE SCHEDULE E502 LIGHTING ELEVATION & DETAILS E511 FIRE ALARM SYSTEM RISER AND MATRIX E512 FIRE ALARM SYSTEM DETAILS TELECOMMUNICATIONS SYSTEMS SECURITY SYSTEM E601 ELECTRICAL DISTRIBUTION SYSTEM E602 GENERATOR DISTRIBUTION SYSTEM ELECTRICAL DISTRIBUTION SYSTEM DETAILS

GENERAL SYMBOLS



A ELECTRICAL THIRD PARTY COMMISSIONING AGENT

THIS PROJECT REQUIRES THE ENGAGEMENT OF AN INDEPENDANT, THIRD PARTY COMMISSIONING AGENT. REFERNERECE SPECIFICATION 260800. ALSO REFERENCE THE 2020 STATE CONSTRUCTION OFFICE ELECTRICAL GUIDELINES AND POLICIES.

MULTIPLE ELECTRICAL SERVICE WARNING

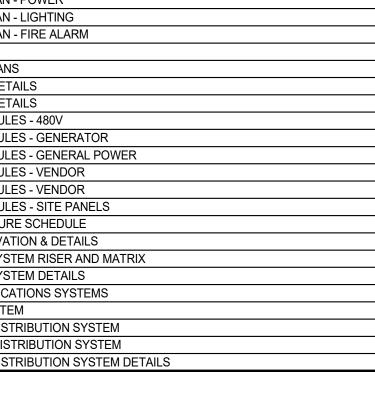
LOCKOUT/TAGOUT PROCEDURES.

SO DETAIL: IN0013

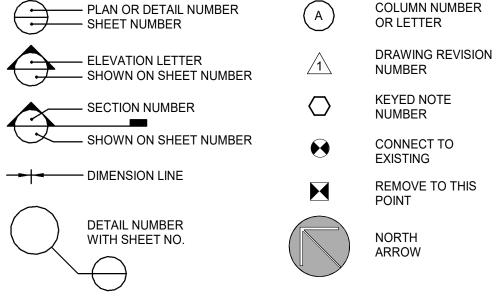
A EXISTING UNDERGROUND UTILITIES WARNING

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING, PROTECTING, AND COORDINATING WITH OR ROUTING AROUND ALL EXISTING UTILITIES. LOCATIONS SHOWN ON THE EXISTING SITE PLAN ARE APPROXIMATE, BASED ON INFORMATION FROM PREVIOUS PROJECT DOCUMENTATION, AND SHOULD NOT BE CONSIDERED COMPLETE OR ACCURATE. THE CONTRACTOR MUST PROVIDE ALL NECESSARY LOCATING SERVICES PRIOR TO EXCAVATION. THE USE OF CURRENT TECHNOLOGY, EXPLORATORY EXCAVATION, AND SIGNIFICANT HAND EXCAVATION IS EXPECTED AND REQUIRED. ANY UNDERGROUND ITEMS DAMAGED BY THE

SO DETAIL: IN0014







THIS BUILDING HAS MULTIPLE ELECTRICAL SERVICES. VERIFY THAT ALL ELECTRICAL EQUIPMENT IS TOTALLY DE-ENERGIZED PRIOR TO PERFORMANCE OF WORK INVOLVING CONTACT OR POSSIBLE CONTACT WITH ELECTRICALLY ENERGIZED COMPONENTS. ALWAYS USE PROPER

CONTRACTOR MUST BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.



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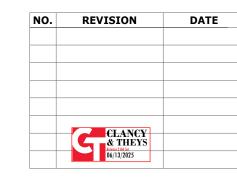
North Carolina, Inc.

Raleigh, NC 27605

702 Oberlin Road, Suite 300

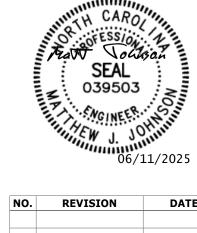
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JOB NUMBER 23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

STANDARDS, **SYMBOLS & ABBREVIATIONS**





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CLANCY & THEYS https://doi.org/10/13/2025

JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

SITE PLAN



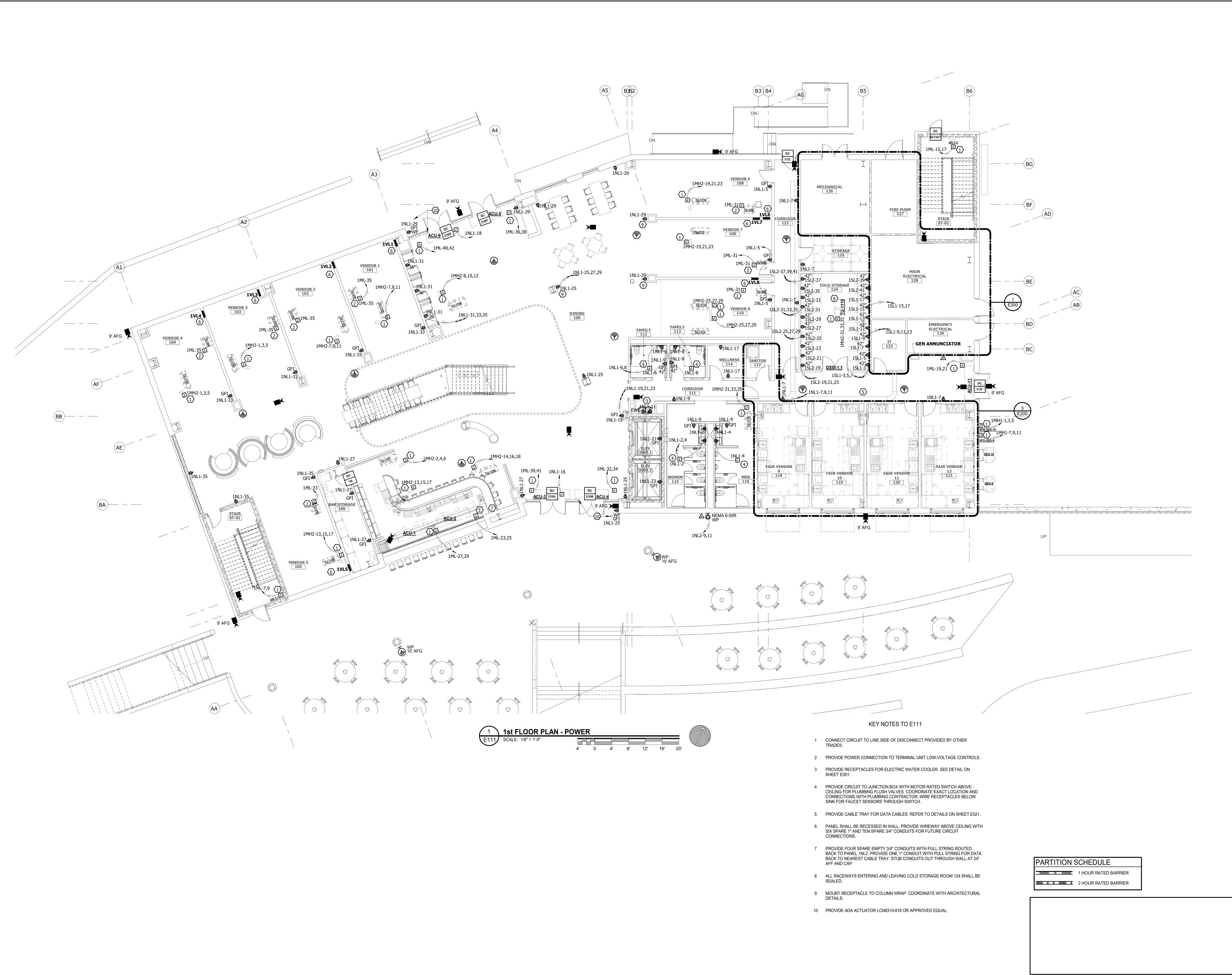
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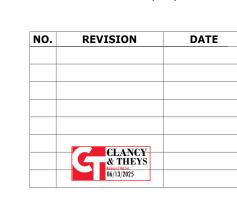
1st FLOOR PLAN - POWER



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> **1st FLOOR PLAN** - LIGHTING

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> OS - MIDWAY CENT ISUMER SERVICES

DEPT. OF AGRICULTURE & CONSUMER TRINITY RD, RALEIGH, NC 27607

SEAL 039503

NO. REVISION DATE

CLANCY
& THEYS
bases Tables 106/13/2025

JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

SHEET

1st FLOOR PLAN
- FIRE ALARM

1 2nd FLOOR PLAN - POWER

4' 0 4' 8' 12' 16' 20'

KEY NOTES TO E121

2NL1-23

- 1 CONNECT CIRCUIT TO LINE SIDE OF DISCONNECT PROVIDED BY OTHER TRADES.
- 2 PROVIDE CIRCUIT FOR CONNECTION TO PROJECTOR SCREENS.
- 3 PROVIDE RECEPTACLES FOR ELECTRIC WATER COOLER. SEE DETAIL ON SHEET E301.
- 4 PROVIDE JUNCTION BOX WITH RACEWAY BACK TO ELEVATOR DISCONNECT IN MAIN ELECTRICAL ROOM.
- 5 PROVIDE JUNCTION BOX WITH 1" RACEWAY TO ABOVE CEILING AND A 120V POWER CONNECTION FOR ELEVATOR VISUAL COMMUNICATION EQUIPMENT (FCVAP/ECVAB), PROVIDED BY ELEVATOR VENDOR. COORDINATE LOCATION AND EXACT REQUIREMENTS WITH ELEVATOR PROVIDER.
- 6 PROVIDE CIRCUIT TO JUNCTION BOX WITH MOTOR RATED SWITCH ABOVE CEILING FOR PLUMBING FLUSH VALVES. COORDINATE EXACT LOCATION AND CONNECTIONS WITH PLUMBING CONTRACTOR. WIRE RECEPTACLES BELOW SINK FOR FAUCET SENSORS THROUGH SWITCH.
- 7 PROVIDE CABLE TRAY FOR DATA CABLES. REFER TO DETAILS ON SHEET E521.
- 8 PROVIDE FOUR SPARE EMPTY 3/4" CONDUITS WITH PULL STRING ROUTED BACK TO PANEL 2NL2. PROVIDE ONE 1" CONDUIT WITH PULL STRING FOR DATA BACK TO NEAREST CABLE TRAY. STUB CONDUITS OUT THROUGH WALL AT 24" AFF AND CAP.
- 9 MOUNT RECEPTACLE RECESSED INTO BRICK WALL. COORDINATE WITH ARCHITECT.
- MOUNT RECEPTACLE TO COLUMN WRAP. COORDINATE WITH ARCHITECTURAL DETAILS.

PARTITION SCHEDULE

1 HOUR RATED BARRIER 2 HOUR RATED BARRIER

> 2nd FLOOR PLAN - POWER

JOB NUMBER

23-013

DATE ISSUED

06/12/2025

PROJECT STATUS
BID SET

ARCHITECTURE

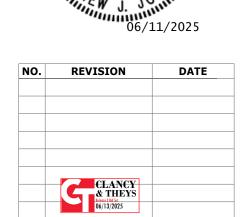
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JOB NUMBER 23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

2nd FLOOR PLAN - LIGHTING

PARTITION SCHEDULE

1 HOUR RATED BARRIER
2 HOUR RATED BARRIER

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ARCHITECTURE

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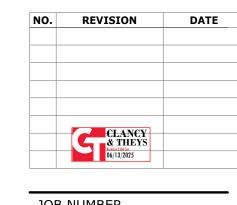
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NC DEPT. OF AGRICULTURE 8



JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

2nd FLOOR PLAN
- FIRE ALARM



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CLANCY & THEYS Marrie 1 July 20 06/13/2025

JOB NUMBER
23-013
DATE ISSUED
06/12/2025 PROJECT STATUS
BID SET

ROOF PLAN

2SL1-18,20

2 ELECTRICAL ROOM 215 ENLARGED PLAN
E200 SCALE: 1/4" = 1'-0"

(BA)----

5 CATER 211

—3" HW

4 CORRIDOR 122 - CEILING COORDINATION ELEC
E200 SCALE: 1/2" = 1'-0"



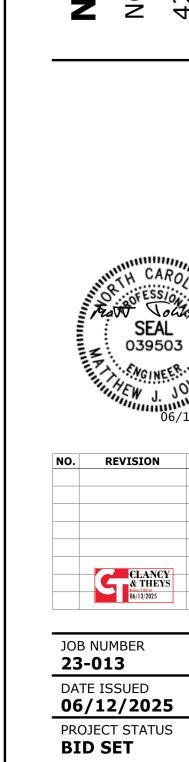
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Salas O'Brien

Salas O'Brien

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ENLARGED PLANS

FIRE ALARM (R) ALT

DEVICES V

TO ELEVATOR

CONTROLLER (MTD AT TOP

ÒF SHAFT)

3 PHASE

CIRCUIT

POWER -

CONTROL R PRI CONTROLLER

POWER FROM

SOURCE

ELEV CONTROLLER

(KEY NOTE 1) ├──

ELEVATOR

KEYED NOTES:

ELEVATOR INSTALLER.

CONTROLLER CAR

BUSSMAN POWER MODULE SWITCH.

ASSIGNMENT FOR THIS DEVICE.

SHAFT LIGHTING CONTROL DIAGRAM.

FED FROM A SHARED CIRCUIT.

SOURCE POWER

ELECTRICAL ROOM

ELEVATOR MACHINE SPACE/ROOM

TO ELEV. CAR

POWER

CIRCUIT

POWER CONNECTION

PROVIDE 3-PHASE, FUSED SHUNT TRIP DISCONNECT SWITCH WITH INTEGRAL CPT.

KEYED TEST SWITCH, PILOT LIGHT, FIRE SAFETY INTERFACE, INTERLOCKING

UNIT NAMEPLATE. A PRODUCT MEETING THIS SPECIFICATION IS THE COOPER

PROVIDE 120V, 30A FUSED DISCONNECT SWITCH WITH 20A FUSES FOR CAR POWER

AND LIGHTING. FINAL CONNECTIONS TO ELEVATOR CAR ARE PROVIDED BY

PROVIDE FIRE ALARM CONTROL RELAY TO INITATE ELEVATOR POWER SHUNT AND

PROVIDE DEDICATED TELEPHONE LINE TO SERVE ELEVATOR. FINAL CONNECTIONS

SMOKE DETECTOR AT PRIMARY FLOOR. UPON ACTIVATION OF THIS DEVICE TYPE,

ACTIVATION OF THIS DEVICE TYPE, THE ELEVATOR IS RECALLED TO PRIMARY FLOOR.

FIRE PROTECTION SPRINKLER HEAD. SEE FLOOR PLANS FOR RECALL DESTINATION

\$\langle 7 \rangle SMOKE DETECTOR TO INITATE ELEVATOR RECALL FUNCTION. LOCATE ADJACENT TO

ELEVATOR PIT AND SHAFT LIGHTING. PROVIDE INDICATED NUMBER OF FIXTURES

(10) ELEVATOR SHAFT LIGHTING CONTACTOR (ESLC) TO INTERFACE WITH ELEVATOR

(11) EXTEND SWITCHLEG TO ELEVATOR SHAFT LIGHTING CONTACTORS (ESLC) TO

PROVIDE DEDICATED CIRCUITS TO SUPPLY LIGHTS AND RECEPTACLE LOADS AS

CONTROLLER. MOUNT ESLC ADJACENT TO ELEVATOR CONTROLLER OR ABOVE

CEILING WHERE CONTROLLER IS MOUNTED IN ELEVATOR FRAME. SEE ELEVATOR

INTERFACE WITH ELEVATOR CONTROLLER FOR SHAFT LIGHTING CONTROL FROM

INDICATED ON FLOOR PLANS PER NEC ARTICLE 620.23. THESE LOADS SHALL NOT BE

SMOKE DETECTOR AT EACH FLOOR OTHER THAN PRIMARY FLOOR. UPON

8 HEAT DETECTOR ADJACENT TO FIRE PROTECTION SPRINKLER HEAD.

(MINIMUM DESIGNED LIGHT LEVEL IS 20 FOOTCANDLE).

TO ELEVATOR ARE PROVIDED BY ELEVATOR INSTALLER.

THE ELEVATOR IS RECALLED TO ALTERNATE FLOOR.

MODULE TO MONITOR SHUNT TRIP CONTROL POWER FOR LOSS OF VOLTAGE.

CONTACTS, AND FIRE ALARM MONITORING RELAY. SIZE DISCONNECT SWITCH PER

—CONTRACTOR

TO PROVIDE

120V POWER CIRCUIT

LIGHTING CIRCUIT (12)

TOP FLOOR LOBBY

(5) (SD ALT

PRIMARY FLOOR

ELEVATOR LOBBY

→ POWER

12 CIRCUIT

120V POWER

TOP OF ELEVATOR SHAFT

ELEVATOR SHAFT PIT

12) 120V/277 LIGHTING (SD) (HD)

1. COORDINATE ALL DEVICE QUANTITIES AND LOCATIONS WITH

PROVIDE HEAT DETECTORS ADJACENT TO FIRE PROTECTION

FOR ELEVATORS WITH CONCEALED CONTROL PANEL WITHIN

SHAFT WALL, PROVIDE A HEAT DETECTOR WITHIN 24" OF ALL

EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH GC

SPRINKLER HEADS LOCATED 15'-0" OR LESS FROM ELEVATOR

SO DETAIL: GE0041

SPRINKLER HEADS THAT ARE LOCATED IN ALL PIT, SHAFT, AND

ELEVATOR WORKSPACE AREAS. UPON ACTIVATION OF THESE DEVICES, THE FIRE ALARM SYSTEM SHALL INITIATE ELEVATOR

2. LOCATIONS FOR PRIMARY AND ALTERNATE FLOOR

ASSIGNMENTS ARE DEFINED ON FLOOR PLANS.

POWER SHUTDOWN PRIOR TO SPRINKLER WATER

AND SELECTED ELEVATOR MANUFACTURER.

120V POWER CIRCUIT ◀

GENERAL NOTES:

DISCHARGE.

REQUIREMENTS ON FLOOR PLANS.

- **GENERAL NOTES:**
- 1. LABELS ARE TO BE MACHINE PRODUCED USING A THERMAL TRANSFER PROCESS WITH DIMENSIONS AS SHOWN ABOVE. LABELS ARE TO BE SUITABLE FOR EITHER INDOOR OR OUTDOOR
- 2. LABEL COLOR TO BE CLEAR WITH BLACK LETTERING
- 3. LABELS ARE TO BE ATTACHED AS INDICATED ABOVE TO ALL PROJECT RECEPTACLE COVER PLATES.

KEYED NOTES:

WRITE PANEL DESIGNATION NUMBER ON DEVICE YOKE WITH A FINE TIP, PERMANENT MARKER AS AN AID TO PROPER FACEPLATE LOCATION. ALL MARKING ON DEVICES MUST BE COVERED BY FACEPLATE.

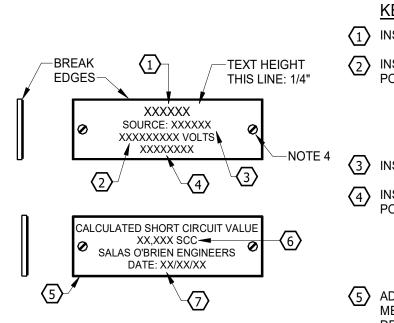
FOR DUPLEX RECEPTACLES CENTER LABEL IF BOTH DEVICES ARE SUPPLIED BY THE SAME CIRCUIT. IF DEVICES ARE SUPPLIED BY DIFFERENT CIRCUITS PROVIDE A LABEL BELOW EACH RECEPTACLE.

SW DETAIL: LA0002

\ DEVICE LABELS

1. INSTALL NEW LABELS ON ALL PROJECT EQUIPMENT (PANELBOARDS, ENCLOSED BREAKERS, DISCONNECTS, TRANSFORMERS).

- 2. CONSTRUCT LABELS FROM 2 COLOR PLASTIC LAMINATE. DIMENSIONS ARE 5" WIDE X 1 1/2" HIGH. TEXT HEIGHT IS 3/16", EXCEPT AS NOTED OTHERWISE
- 3. LABEL COLORS ARE TO BE SELECTED FROM THE FOLLOWING CHOICES: 480/277 VOLT SYSTEM: BLACK BACKGROUND/WHITE LETTERS 120/208 VOLT SYSTEM: BLUE BACKGROUND/WHITE LETTERS EMERGENCY: GREEN BACKGROUND/WHITE LETTERS
- 4. SECURE TO TOP CENTER OF EQUIPMENT COVER WITH #4-40 STAINLESS STEEL SCREWS WITH MATCHING NUTS AND LOCKWASHERS. USE OF ADHESIVES TO SECURE LABEL TO EQUIPMENT IS NOT ACCEPTABLE.

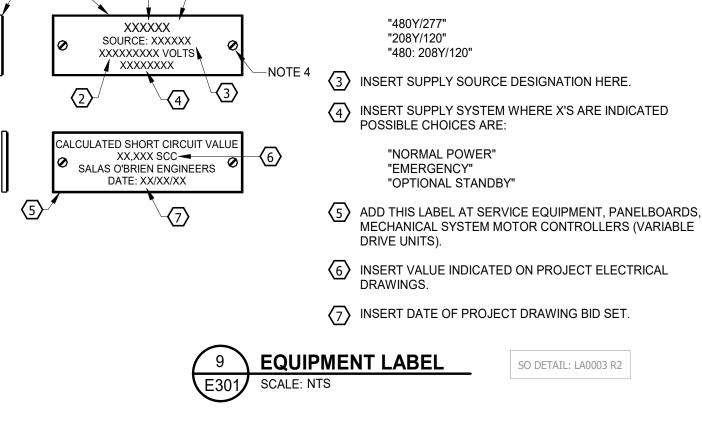


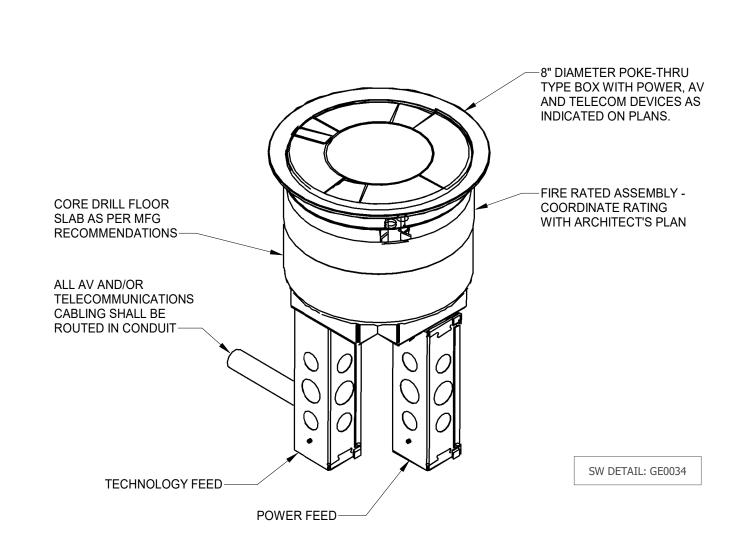
KEYED NOTES (1) INSERT EQUIPMENT DESIGNATION WHERE X'S ARE INDICATED.

2 INSERT VOLTAGE WHERE X'S ARE INDICATED. POSSIBLE VOLTAGES ARE: "480Y/277"

"NORMAL POWER" "EMERGENCY" "OPTIONAL STANDBY"

MECHANICAL SYSTEM MOTOR CONTROLLERS (VARIABLE DRIVE UNITS).

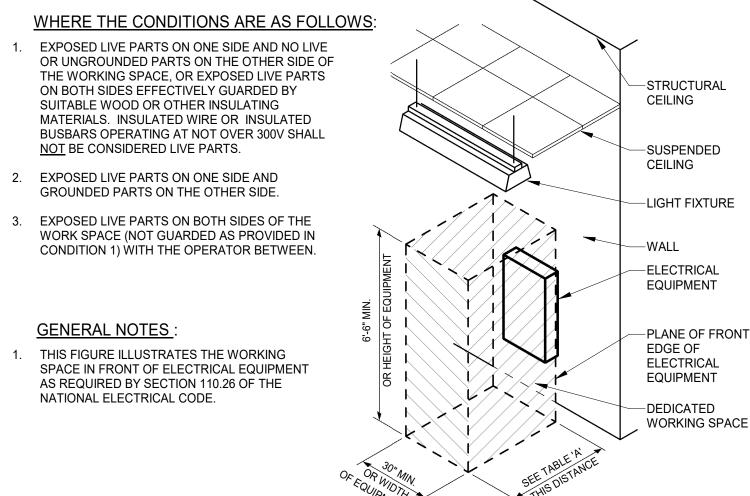




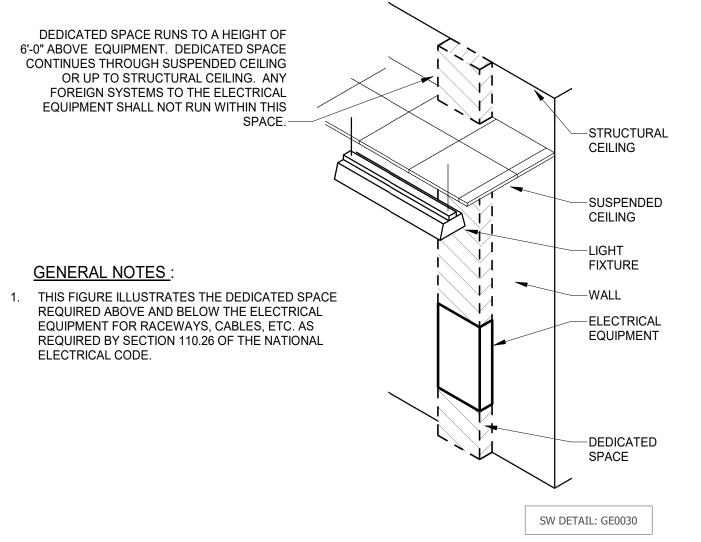
Box Type	DUPLEX QTY	DATA TYPE/QTY	DATA CONDUIT SIZE	A/V SPACE	A/V CONDUIT SIZE	Comments
A	1	-	-	-	-	
В	1	2	1"	-	-	
С	1	2	1"	1 GANG	1-1/4"	

MINIMUM CLEAR DISTANCE (FEET) TO GROUND CONDITION 1 CONDITION 2 CONDITION 3 151-600 3 1/2 WHERE THE CONDITIONS ARE AS FOLLOWS

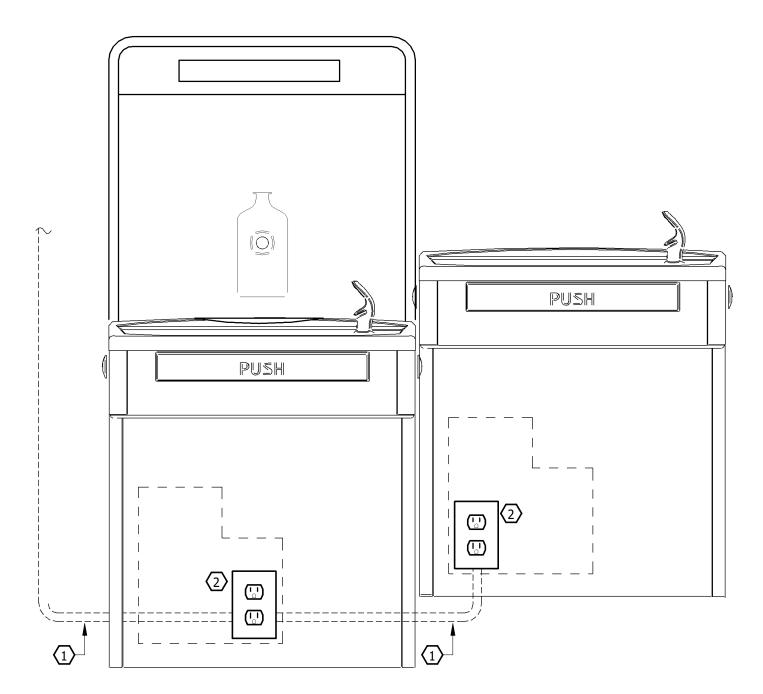
TABLE A - WORKING CLEARANCES



WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SCALE: NTS



♦ DEDICATED SPACE FOR ELECTRICAL EQUIPMENT

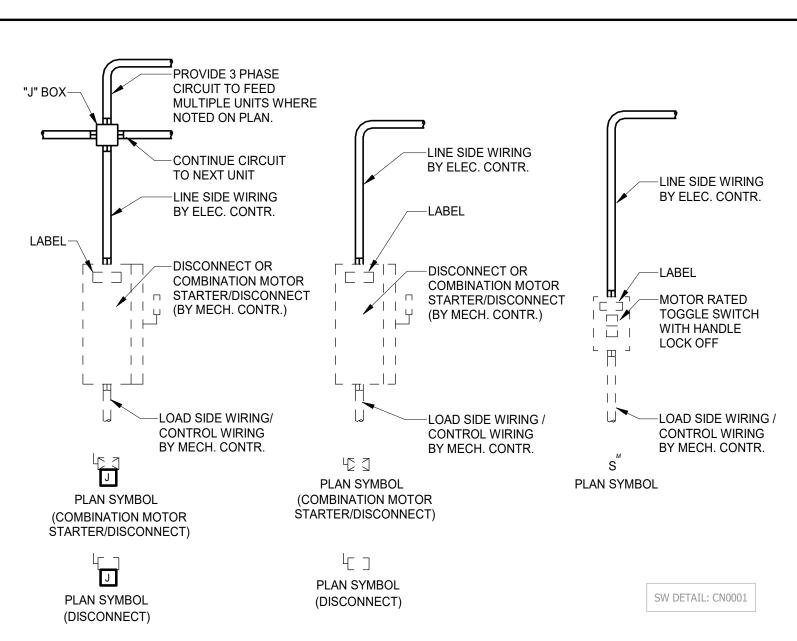


KEYED NOTES GFI BREAKER PROTECTED CONDUCTORS WITHIN CONDUIT CONCEALED WITHIN WALL.

DUPLEX RECEPTACLE(S) WITH LABEL IDENTIFYING OUTLET AS GFI PROTECTED. LOCATE RECEPTACLE WITHIN EACH COOLER HOUSING. COORDINATE EXACT MOUNTING LOCATION OF EACH RECEPTACLE WITH EWC MANUFACTURER AND PLUMBING CONTRACTOR.

> **TOTAL STATE OF COOLER GFCI DETAIL** SCALE: NTS

SW DETAIL: GE0038



MECHANICAL UNIT WIRING DETAILS SCALE: NTS

KEYED NOTES:

SW DETAIL: GE0029

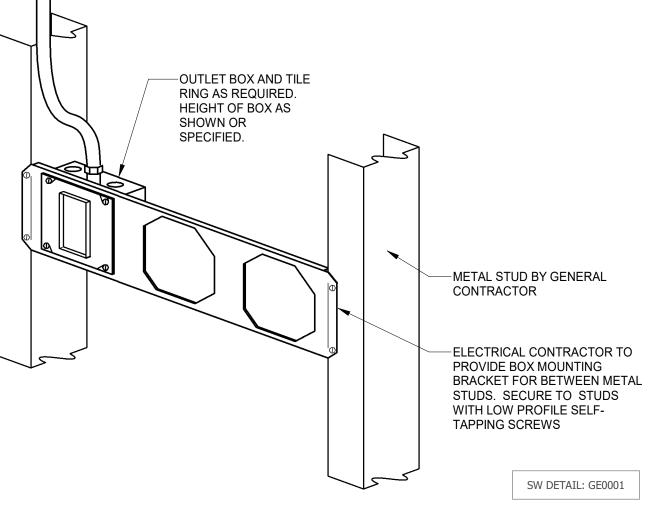
- EQUIPMENT PROVIDED AND INSTALLED BY OTHER CONTRACTOR. CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS, START UP AND TEST EQUIPMENT.
- (2) CONDUIT & WIRING BY OTHER CONTRACTOR PROVIDING EQUIPMENT.
- DISCONNECT PROVIDED AND INSTALLED BY CONTRACTOR PROVIDING EQUIPMENT.
- 4 IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR PROVIDING EQUIPMENT.
- 5 A COMBINATION STARTER MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. A COMBINATION STARTER SHALL BE PROVIDED AND INSTALLED BY THE OTHER CONTRACTOR PROVIDING THE EQUIPMENT.

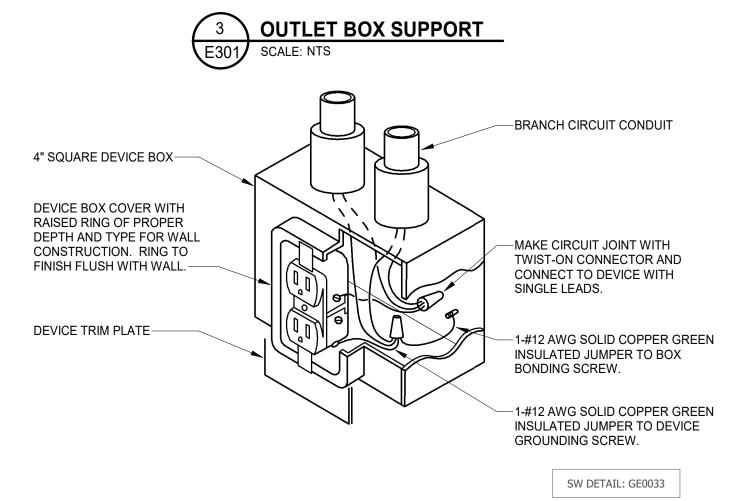
6 FEEDER AND CONDUIT BY ELECTRICAL CONTRACTOR. SEE PANELBOARD SCHEDULES FOR WIRE AND

BREAKER SIZES TO OTHER EQUIPMENT. TERMINATE

- FEEDER AT LINE SIDE OF DISCONNECTING MEANS. JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT IF NO STARTER IS REQUIRED. INSTALL JUNCTION BOX ADJACENT TO THE EQUIPMENT AND PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. MOTOR RATED DISCONNECT
- SHALL BE PROVIDED BY CONTRACTOR PROVIDING EQUIPMENT WHERE REQUIRED BY CODE. 8 VARIABLE FREQUENCY DRIVE (VFD) PROVIDED AND INSTALLED BY OTHER CONTRACTOR PROVIDING
- EQUIPMENT. VFD IS SUPPLIED WITH INTEGRAL DISCONNECTING MEANS.
- FOR PROJECTS UTILIZING A MOTOR CONTROL CENTER (MCC), THE STARTER, CIRCUIT BREAKER OR VFD IN THE MCC ARE PROVIDED BY THE ELECTRICAL 2 MECHANICAL UNIT WIRING DETAILS

E301 SCALE: NTS





4 RECEPTACLE GROUNDING DETAIL E301 SCALE: NTS

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license (NC): F-1434

MOTOR

CONTROL

CENTER

SW DETAIL: CN0002

PANELBOARD

OR

WITCHBOARD

(5) STARTER 1

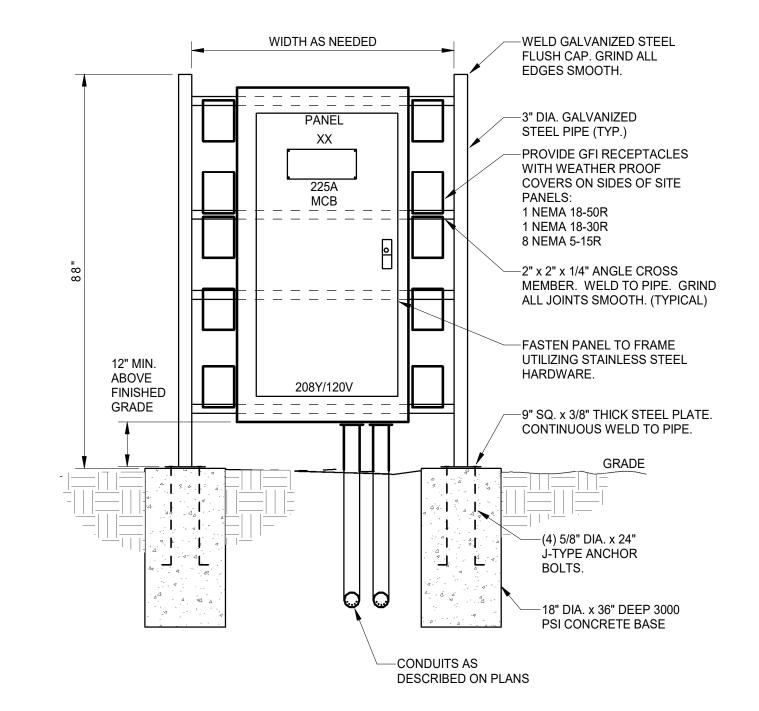
REVISION JOB NUMBER

23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

ELECTRICAL DETAILS

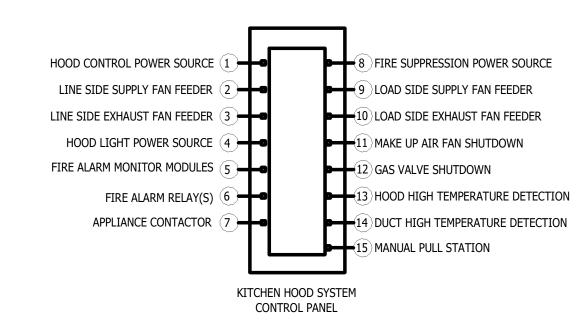
11 \ ELEVATOR WIRING DETAIL

4 KITCHEN HOOD CONTACTOR (CTXX) DIAGRAM E302 SCALE: NTS



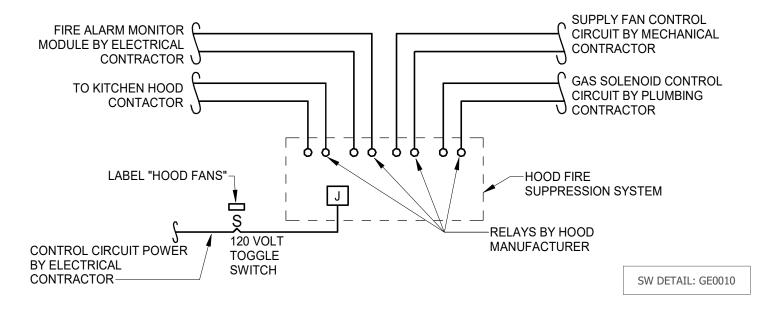
SW DETAIL: OC0023

5 PANEL RACK DETAIL
E302 SCALE: NTS



		FOOD SERVICE HOOD CONNECTION SO	
MARK	DESCRIPTION	RESPONSIBILITY	REMARKS
1	HOOD CONTROL POWER SOURCE	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE SOURCE AND TERMINATE IN HOOI CONTROL PANEL.
2	LINE SIDE SUPPLY FAN FEEDER	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE SOURCE AND TERMINATE IN HOOI CONTROL PANEL.
3	LINE SIDE EXHAUST FAN FEEDER	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE SOURCE AND TERMINATE IN HOOI CONTROL PANEL.
4	HOOD LIGHT POWER SOURCE	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE SOURCE AND TERMINATE IN HOOD CONTROL PANEL.
5	FIRE ALARM MONITOR MODULES	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE FIRE ALARM MODULES TO SUPERVISE 120 VAC FOR APPLIANCE SHUNT TRIP, TROUBLE AT HOOD CONTROL PANEL AND ACTIVATION OF HOOD SUPPRESSION SYSTEM. REFER TO FIRE ALARM MATRIX.
6	FIRE ALARM RELAY(S)	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE FIRE ALARM RELAY FOR EACH MAKUP AIR UNIT TO INITIATE FAN SHUTDOWN. REFER TO FIRE ALARM MATRIX.
7	APPLIANCE CONTACTOR	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE POWER CIRCUIT AND CONNECT HO OUTPUT SIGNAL TO APPLIANCE CONTACTOR. ALL APPLIANCES UNDER HOOD SHALL POWER DOWN FROM ACTIVATION OF HOOD SYSTEM.
8	FIRE SUPPRESSION POWER SOURCE	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE POWER SOURCE AND TERMINATE HOOD CONTROL PANEL.
9	LOAD SIDE SUPPLY FAN(S) FEEDER(S)	MECHANICAL DIVISION	MECHANICAL DIVISION PROVIDES LOAD SIDE FEEDER FROM HOOD CONTROL PANEL TO FAN AND PROVIDES UNIT DISCONNECT
<u>10</u>)	LOAD SIDE EXHAUST FAN FEEDER	MECHANICAL DIVISION	MECHANICAL DIVISION PROVIDES LOAD SIDE FEEDER FROM HOOD CONTROL PANEL TO FAN AND PROVIDES UNIT DISCONNECT
<u>(11)</u>	MAKE UP AIR FAN SHUTDOWN	MECHANICAL DIVISION	MECHANICAL DIVISION TO PROVIDE CONTROL WIRING TO ENABLE MA UP AIR SHUTDOWN
12)	GAS VALVE SHUTDOWN	PLUMBING DIVISION	MECHANICAL DIVISION PROVIDES VALVE FROM HOOD PACKAGE. PLUMBING DIVISION INSTALLS VALVE IN GAS PIPING. MECHANICAL DIVISION CONNECTS FOR SHUT DOWN (CABLE STYLE OPERATOR)
13	HOOD HIGH TEMPERATURE DETECTION	MECHANICAL DIVISION	FUSIBLE LINK STYLE
14)	DUCT HIGH TEMPERATURE DETECTION	MECHANICAL DIVISION	MECHANICAL DIVISION TO PROVIDE SENSOR AND CONTROL WIRING
<u>(15)</u>	MANUAL PULL STATION CABLE	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE WALL MOUNTED BOX AND CONDU SLEEVE TO ABOVE CEILING. HOOD INSTALLER TO PROVIDE PULL STATION AND OPERATING CABLE.

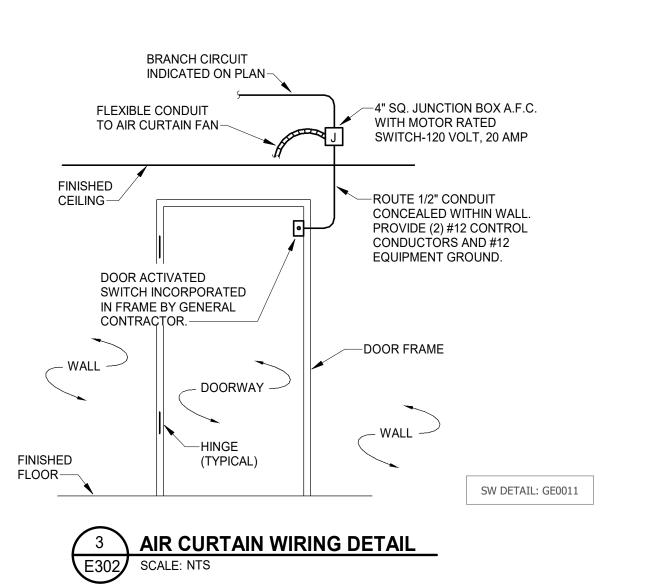
1 KITCHEN HOOD CONNECTIONS
SCALE: NTS



GENERAL NOTES:

 ALL ELECTRICAL DEVICES UNDER HOOD AND HOOD SUPPLY FAN TO POWER DOWN THROUGH HOOD CONTROL RELAYS UPON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM.

2 KITCHEN HOOD WIRING SCHEMATIC
E302 SCALE: NTS





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REVISION CLANCY & THEYS https://linical 06/13/2025

JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

SHEET
ELECTRICAL
DETAILS

PANEL ID:	2N	11-	12	VOL	.TA	GE:	480)Y/277	S	ERVIC	E EQUIF	: No)				MOUNTING:	SURF	FΔ	CE
SOURCE:	MSE	3		AMF	PS:		200)	Р	ANEL A	AIC:	35	,000				TYPE:	BOL	Т	ON
LOCATION:	ELE	C.	215	MAI	N:		ML	0	C	ALC S	CC:	22	,658				APPROX. DIM:	20"W	/ X	(5.75"D X 50"H
LOAD	!	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKF	СКТ		A		В		С	СКТ	ГВКЕ	P O L E	Phase, Neu, Grd Size		N O T E	LOAD
TU-1201 & TU-1211 201, 2	202		3/4	3-#12, 1-#12, 1-#12	3	20	1	2667	2667	2667	2667			2	25	3	3-#10, 1-#10, 1-#10	3/4		TU-1206 203
							5 7	2667	2667			2667	2667	6						
TU-1202 200			3/4	3-#12, 1-#12, 1-#12	3	20	9	2007	2007	2667	2667	0007	0007	10	_	3	3-#12, 1-#12, 1-#12	3/4		TU-1207 203
TU-1203 200			3/4	3-#12, 1-#12, 1-#12	3	20	11 13 15	2667	4000	2667	4000	2667	2667	12 14 16		3	3-#12, 1-#12, 1-#12	3/4		TU-1208, 1209, 1210, 205, 206
10-1203 200			5/4	0-#12, 1-#12, 1-#12		20	17	2667		2001	4000	2667	4000	18		1				SPACE
TU-1204 200			3/4	3-#12, 1-#12, 1-#12	3	20	19 21	2667		2667				20		1				SPACE
							23 25	2667				2667		24 26		1				SPACE SPACE
TU-1205 200			3/4	3-#12, 1-#12, 1-#12	3	20	27 29			2667		2667		28 30		1				SPACE SPACE
SPACE		1			1	_	31							32		1				SPACE
SPACE SPACE		1			1	_	33 35							34		1				SPACE SPACE
SPACE					1	_	37							38	_	1				SPACE
SPACE					1	_	39							40		1				SPACE
SPACE					1		41		67 VA 2 A		67 VA 2 A		 667 VA 32 A	42		1	-			SPACE
Load Classification						C	onnec	ted Loa			and Fact		Estimate	d De	mand	I		Pan	el	Totals
Mechanical							680	00 VA			100.00%		680	00 VA	١					
																	CONNECTE		-	
																+.			\perp	68000 VA
																	VG. CONNECTED CI		+	
NOTES:																	AVG. DEMAND CI	JRREN	Τ :	82 A

PANEL ID:	1M	H1	VOL	.TA	GE:	480	0Y/277	S	ERVICE	E EQUIP	: No)				MOUNTING:	SURF	ACE
SOURCE:	MSB		AMF	PS:		200	0	P	ANEL A	AIC:	35,	,000				TYPE:	BOLT	ON
LOCATION:	MAIN	I ELE	CTRICAL 128 MAI	N:		ML	.0	С	ALC S	CC:	25,	,683				APPROX. DIM:	20"W	X 5.75"D X 50"H
LOAD	N C T	COV	D Phase, Neu, Grd Size	P O L E	DVL	скт		A		В		С	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	LOAD
KITCHEN EXHAUST FAN GEX-10		3/4	3-#12, 1-#12, 1-#12	3	15	3	720	5817	720	5817	700	5047	2 4	45	3	3-#6, 1-#6, 1-#10	1	BOOSTER PUMP WBP-1 MECH. 277 (15 HP)
KITCHEN EXHAUST FAN GI	EX-9	3/4	3-#12, 1-#12, 1-#12	3	15	5 7 9	720	5817	720	5817	720	5817	6 8 10	45	3		1	FUTURE TRASH COMPACTOR
						11 13	582				720	5817	12 14	 	1			(15HP) SPACE
JOCKEY PUMP JP-1 RM 163	3	3/4	3-#12, 1-#12, 1-#12	3	20	15 17			582		582		16 18		1			SPACE SPACE
SPACE SPACE				1		19 21							20 22		1			SPACE SPACE
SPACE SPACE				1		23							24		1			SPACE SPACE
SPACE SPACE				1		27							28		1			SPACE SPACE
SPACE SPACE				1		31							32		1			SPACE SPACE
SPACE SPACE				1		35 37							36 38		1			SPACE SPACE
SPACE SPACE				1		39 41							40 42		1			SPACE SPACE
	-		<u>'</u>		'			56 VA 9 A		56 VA 9 A		556 VA 19 A						
Load Classification					Co		ted Loa	d		nand Facto	or	Estimate					Pane	Totals
Power Mechanical							51 VA 16 VA			100.00%			51 VA 16 VA			CONNECTE		
															A۱	DEMAN G. CONNECTED CI		40967 VA 49 A
																AVG. DEMAND CI		
NOTES: 1. CONFIRM NEUTRAL REQUENCEDED FOR SUPPLY CONTRACTOR OF SUPPLY C				ANI	JFAC	TURE	er. Omit	Γ NEUTRA	AL IF									

PANEL ID:	1M	H2	VOL	.TA	AGE:	480)Y/277	S	ERVICE	EQUIP	No					MOUNTING:	SURF	ACE
SOURCE:	MSB		AMF	S:		200)	P	ANEL A	NC:	35,0	000				TYPE:	BOLT	ON
LOCATION:	MAIN	ELEC	TRICAL 128 MAII	N:		ML	0	С	ALC SC	CC:	25,6	883				APPROX. DIM:	20"W	X 5.75"D X 50"H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ		A	E	В	(C	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N D D T LOAD
TU-1101 & TU-1102						1	2667	3667					2					
VENDOR 3 & 4 103, 104		3/4	3-#12, 1-#12, 1-#12	3	20	3			2667	3667			4	20	3	3-#12, 1-#12, 1-#12	3/4	TU-1107 BAR 322
						5					2667	3667	6					
TU-1103 & TU-1104		0/4	0 1140 4 1140 4 1140		00	7	2667	3667	0007	0007			8	00		0 1140 4 1140 4 1140	0/4	TU-1108
VENDOR 1 & 2 101, 102		3/4	3-#12, 1-#12, 1-#12	3	20	9			2667	3667	2667	3667	10	20	3	3-#12, 1-#12, 1-#12	3/4	DINING & CIRCULATION 298
						13	2667	3667			2007	3007	14					
TU-1105 & TU-1106		3/4	3-#12, 1-#12, 1-#12	3	20	15	2001	3007	2667	3667			16	20	3	3-#12, 1-#12, 1-#12	3/4	TU-1109 BAR 322
VENDOR 5 & BAR 103, 104	4	0, 1	0 11 12, 1 11 12, 1 11 12	ľ		17			2001	0001	2667	3667	18			0 11 12, 1 11 12, 1 11 12	0, 1	7.6 7.766 27.11.622
						19	2667	2667					20					
TU-1110 & TU-1111 VENDOR 6 & 7 108, 109		3/4	3-#12, 1-#12, 1-#12	3	20	21			2667	2667			22	20	3	3-#12, 1-#12, 1-#12	3/4	TU-1114 & TU-1115 VENDOR 9 & 10 118, 119
VENDOR 0 & 7 100, 109						23					2667	2667	24					VENDOR 9 & 10 116, 119
TIL 4440 0 TIL 4440						25	2667	2667					26					TIL 4446 9 TIL 4447
TU-1112 & TU-1113 VENDOR 8 110		3/4	3-#12, 1-#12, 1-#12	3	20	27			2667	2667			28	20	3	3-#12, 1-#12, 1-#12	3/4	TU-1116 & TU-1117 VENDOR 11 & 12 120, 121
VERBOILO 110						29					2667	2667	30					72.1361(11 a 12 126, 121
TU-1118 & TU-1119						31	2667						32		1			SPACE
MEN 116 & COLD STOR 124	4	3/4	3-#12, 1-#12, 1-#12	3	20	33			2667				34		1			SPACE
				ļ.,		35					2667		36		1			SPACE
SPACE				1	_	37							38		1			SPACE
SPACE SPACE				1	-	39							40		1			SPACE SPACE
SPACE						41	3233	33 VA	3233	3 VA	 3233	 33 VA	42		1			SPACE
								7 A		7 A	11							
Load Classification					Co	nnec	ted Load			and Facto		stimate	l Den	nand			Pane	el Totals
Mechanical							00 VA	u		00.00%	· -		0 VA	iuiiu			ı unc	
Mechanical						9700	JU VA			00.0076		9700	UVA			CONNECTE		97000 VA
																		97000 VA
															Α.	VG. CONNECTED CL		
															A			
																AVG. DEMAND C	JKKENI	11/ A

PANEL ID:	1LH1	VOL	TΑ	GE:	480	Y/277	S	SERVICE	EQUIP	No)				MOUNTING:	SUF	RF/	ACE
SOURCE:	MSB	AMP	S:		100)	F	PANEL A	NC:	22,	,000				TYPE:	BOL	т.	ON
LOCATION:	MAIN ELEC	TRICAL 128 MAII	N:		ML	0	C	CALC SC	CC:	17,	285				APPROX. DIM:	20"\	N)	K 5.75"D X 50"H
LOAD	N O T E	Phase, Neu, Grd Size	P O L E	BKR	СКТ		A	ļ	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	CONI	N C T	LOAD
LIGHTING ELECTRICAL 128	3/4	1-#12, 1-#12, 1-#12	1	20	1	927	384					2	20	1	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING CORRIDOR-1 122-
LIGHTING FAIR VENDOR 1	2 3/4	1-#12, 1-#12, 1-#12	_	20	3			480	1308			4	20	\rightarrow	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING DINING 100
LIGHTING VENDOR 1 101	3/4	1-#12, 1-#12, 1-#12	-	20	5					916	480	6	20		1-#12, 1-#12, 1-#12	3/4	2	COVE LIGHTING DINING 100
LIGHTING ELEC. 215	3/4	1-#12, 1-#12, 1-#12	-	20	7	617	845					8	20		1-#12, 1-#12, 1-#12	3/4	2	COVE LIGHTING DINING 100
LIGHTING ASSEMBLY 217	3/4	1-#12, 1-#12, 1-#12	-	20	9			2168	0			10	20	1				SPARE
SPARE			1	20	11					0	0	12	20	1				SPARE
SPARE			1	20	13	0	1746					14	20	1	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING DINING 200
SPARE			1	20	15			0	126			16	20	_	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING CORRIDOR 208
SPARE			1		17					0	594	18	20	_	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING DINING 200
SPARE			1		19	0	578					20	20	_	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING STAIR-1 ST-00-1
SPARE			1		21			0	570			22	20	_	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING COVE 200
SPARE			1		23					0	365	24	20	1	1-#12, 1-#12, 1-#12	3/4	2	LIGHTING COVE 200
SPACE			1		25		0					26	20	1			T	SPARE
SPACE			1		27				0			28	20	1				SPARE
SPACE			1		29						0	30	20	1				SPARE
SPACE			1		31		0					32	20	1				SPARE
SPACE			1		33				276			34	20	1	1-#12, 1-#12, 1-#12	3/4	1	EXTERIOR LIGHTING
SPACE			1		35						2591	36	20	1	1-#12, 1-#12, 1-#12	1	1	EXTERIOR LIGHTING
SPACE			1		37		0					38						
SPACE			1		39				0			40	30	3	1-#10, 1-#10, 1-#10	3/4		SPD
SPACE			1		41						0	42						
							7 VA 8 A		3 VA 3 A		15 VA 18 A							
Load Classification				C	nnoo	ted Loa			and Facto		Estimate	d Don	and			Da	nal	Totals
							u			'1			iaiiu			га	1161	Iotais
Lighting						25 VA			00.00%			25 VA						
EXTERIOR LIGHTING					286	7 VA		1	25.00%		358	4 VA			CONNECTE		-	
																	-	15599 VA
														A۱	VG. CONNECTED CL	JRREI	1T	18 A
															AVG. DEMAND CU	IDDE	ıΤ	40.4

SWITCHBOAR	RD:	MSB
Loca	ation:	MAIN ELECTR

TRICAL 128 Supply From: UTILITY **Mounting:** Floor Enclosure: NEMA 1

Volts: 480Y/277 Phases: 3 Wires: 4

A.I.C. Rating: 42,000 Mains Rating: 2000 A

Mains Type: MCB (NOTE 1) **SCC:** 33,034

СКТ	CIRCUIT DESCRIPTION	TRIP	POLES	WIRE SIZE	COND SIZE	NOTES	A	В	С
1							5067 VA		
2	1LH1	100 A	3	3-#1, 1-#1, 1-#8	1-1/2		3001 VA	4903 VA	
3				, ,					4915 VA
4		400 4		0 44 4 44 4 40	4.4/0	4	11080 VA	44000 \/A	
5 6	ELEV-1	100 A	3	3-#1, 1-#1, 1-#8	1-1/2	4		11080 VA	11080 VA
7							11080 VA		11000 771
8	ELEV-2	100 A	3	3-#1, 1-#1, 1-#8	1-1/2	4		11080 VA	
9							100001/1		11080 VA
10 11	ATS-E	200 A	3	3-#3/0, 1-#3/0, 1-#6	1-1/2	2	16320 VA	12404 VA	
12	ATO-L	200 A		3-#3/0, 1-#3/0, 1-#0	1-1/2	2		12404 VA	15296 VA
13							4050 VA		
14	ATS-S	100 A	3	3-#1, 1-#1, 1-#8	1-1/2			3460 VA	
15 16							21668 VA		2440 VA
17	X-1DL1	175 A	3			3	21000 VA	24748 VA	
18	A IBEI	17071				Ü		21710 171	23644 VA
19							0 VA		
20	X-1DL2	175 A	3			3		0 VA	0.1/4
21 22							29399 VA		0 VA
23	X-1DL3	175 A	3			3	29599 VA	28267 VA	
24									25479 VA
25			_			_	16020 VA		
26 27	X-1DL4	175 A	3			3		16020 VA	15020 VA
28							13656 VA		15020 VA
29	1MH1	200 A	3	3-#3/0, 1-#3/0, 1-#6	2		10000 171	13656 VA	
30									13656 VA
31	ANALIO	200 4		2 #2/0 4 #2/0 4 #0			32333 VA	20222 \/A	
32 33	1MH2	200 A	3	3-#3/0, 1-#3/0, 1-#6	2			32333 VA	32333 VA
34							19534 VA		32333 VA
35	2MH1	200 A	3	3-#3/0, 1-#3/0, 1-#6	(2) 2			19534 VA	
36									13534 VA
37 38	2MH2	200 A	3	3-#3/0, 1-#3/0, 1-#6	2		22667 VA	22667 VA	
39	ZIVINZ	200 A	3	3-#3/0, 1-#3/0, 1-#0	2			22001 VA	22667 VA
40							14932 VA		22001 171
41	X-2DL1 (VIA DISC-X-2DL1)	175 A	3			3		17591 VA	
42							227041/4		11393 VA
43 44	KVU-1	150 A	3	3-#1/0, 1-#1/0, 1-#6	2	4	33794 VA	33794 VA	
45		10071		0 11110, 1 11110, 1 110	_	-		00754 V/1	33794 VA
46							56508 VA		
47	RTU-1	225 A	3	3-#4/0, 1-#4/0, 1-#4	3	4		56508 VA	50500 \/A
48 49							0 VA		56508 VA
50	SPD	60 A	3	3-#6, 1-#6, 1-#10	1		OVA	0 VA	
51				,					0 VA
52	ODADE	400.4				•	0 VA	0.1/4	
53 54	SPARE	400 A	3			2		0 VA	0 VA
55							0 VA		0 7/1
56	SPARE	200 A	3					0 VA	
57							0.1/2		0 VA
58 59	SPARE	175 A	3				0 VA	0 VA	
60	OI / NAL	1757						UVA	0 VA
61									
62	SPACE		3						
63 64									
65	SPACE		3						
66									
67			_						
68 69	SPACE		3						
70									
71	SPACE		3						
72									
			Total Load:				308091 VA	308034 VA	292831 VA
			Total Amps:				1121 A	1120 A	1057 A
Load Classific	ation Co.	nnected Loa	id Dei	mand Factor Estin	nated Demand		Panel	Totals	

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel	Totals
Other	0 VA	0.00%	0 VA		
Power	464515 VA	100.00%	464515 VA	Total Conn. Load:	908956 VA
Spare	47060 VA	100.00%	47060 VA	Total Est. Demand:	847562 VA
REC	136400 VA	53.67%	73200 VA	Total Conn. Current:	1093 A
Lighting	18734 VA	100.00%	18734 VA	Total Est. Demand Current:	1019 A
Mechanical	235073 VA	100.00%	235073 VA		
Lighting - Exterior	3600 VA	125.00%	4500 VA		
EXTERIOR LIGHTING	3626 VA	125.00%	4532 VA		
Notes: 1. PROVIDE DRAWOUT TYPE, ELECTRONIC MAI 2. PROVIDE ELECTRONIC BREAKER WITH LSI T 3. REFERENCE TRANSFORMER SCHEDULE FOF 4. CONFIRM NEUTRAL REQUIREMENTS WITH EGUPPLY OF 277V LOAD.	RIP FUNCTIONS. R FEEDER CONFIGURATION.				

	PANEL KEY	
2MH1	1MH1	
2MH2	1MH2	MSB
	1LH1	

BID SET **SCHEDULES** -

JOB NUMBER

23-013

DATE ISSUED

06/12/2025

PROJECT STATUS

ARCHITECTURE 1100 Dresser Court Raleigh, NC 27609 **Office** 919.828.2301

Email office@hh-arch.com Salas O'Brien Salas O'Brien North Carolina, Inc.

702 Oberlin Road, Suite 300 Raleigh, NC 27605 919-832-8118 salasobrien.com license (NC): F-1434

PANEL ID:	2SI	_1	•	/OLT/	AGE:	208	Y/120	S	ERVICE	EQUIP	. No)				MOUNTING:	Surfa	ace	•
SOURCE:	1SL1			AMPS	:	100		Р	ANEL A	AIC:	10	,000				TYPE:	BOL	T-C	ON
LOCATION:	ELEC	. 215	r	MAIN:		ML	0	С	ALC S	CC:	5,	063				APPROX. DIM:	20" \	N x	c 5.75" D x 35" H
LOAD	N O T E	CON	Phase, Neu, G Size	ord C	BKR	СКТ	,	A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	
DSSO-4	_	2/4	0 #40 4 #40 4	440 0	20	1	1664	540					2	20	1	1-#12, 1-#12, 1-#12	3/4		REC IT 214
DSSU-4	2	3/4	2-#10, 1-#10, 1-	#10 2	30	3			1664	360			4	20	1	1-#12, 1-#12, 1-#12			REC IT 214
DSSO-1	2	1-1/4	2-#4, 1-#4, 1-#	10 2	60	5					3536	180	6	20	1	1-#12, 1-#12, 1-#12	3/4		REC IT 214
D990-1	2	1-1/2	2-#4, 1-#4, 1-#	10 2	60	7	3536	180					8	20	1	1-#12, 1-#12, 1-#12			REC IT 214
ELEVATOR COMM 200	2	3/4	1-#12, 1-#12, 1-	#12 1	20	9			200	500			10	20	2	2-#12, 1-#12, 1-#12	3/4		REC IT 214
ELEVATOR COMM 200	2		1-#12, 1-#12, 1-	#12 1	20	11					200	500	12	20		<u></u> -π 2, -# 2, -# 2	3/4		NLO II 214
SPARE				1		13	0	500					14	20	2	2-#12, 1-#12, 1-#12	3/4		REC IT 214
SPARE				1		15			0	500			16	20	_	· ·	3/4		
SPARE				1	20	17					0	1140	18	20	1	, ,	3/4	1	REF CATER 211
SPARE				1		19	0	1000					20	20	1	1-#12, 1-#12, 1-#12		1	REF CATER 211
SPARE				1	20	21			0				22		1				SPACE
SPARE				1	20	23					0		24		1				SPACE
SPARE				1	20	25	0						26		1				SPACE
SPARE				1	20	27			0				28		1				SPACE
SPARE				1	20	29					0		30		1				SPACE
SPARE				1	20	31	0						32		1				SPACE
SPARE				1	20	33			0				34		1				SPACE
SPARE				1	20	35					0		36		1				SPACE
SPARE				1	20	37	0						38		1				SPACE
SPARE				1	20	39			0				40		1				SPACE
SPARE				1	20	41					0		42		1				SPACE
							7420) VA	322	4 VA		56 VA							
							65	A	27	7 A		49 A							
Load Classification					Co	nnect	ed Load	i	Dem	and Facto	r	Estimated	d Den	nand			Par	nel '	Totals
Power						1080	0 VA		1	00.00%		1080	0 VA						
REC						5400) VA		1	00.00%		540	AV C			CONNECTE	D LOA	D 1	16200 VA
																DEMAN	D LOA	D 1	16200 VA
															A'	VG. CONNECTED CL	JRREN	T 4	15 A
																AVG. DEMAND CL		-	

NOTES:	
1. PROVIDE GFI CIRCUIT BREAKER.	
2. CONFIRM NEUTRAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER. OMIT NEUTRAL IF UNNEEDED FOR SUPPLY OF 120V LOAD.	

PANEL ID:	1Sł	1 1	V	OLT/	AGE:	480)Y/277	S	ERVICE	E EQUIP:	No					MOUNTING:	SURF	ACE
SOURCE:	ATS-S	S	Al	MPS:		100)	F	ANEL A	NC:	35,0	000				TYPE:	BOLT	ON
LOCATION:	EMER	RGENC	Y M.	AIN:		MC	В	C	CALC SC	CC:	18,	252				APPROX. DIM:	20"W	X 5.75"D X 50"H
LOAD	N O T E	COND	Phase, Neu, Gro Size	P O L E	BKR	скт		A	E	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T LOAD
						1	16320						2		1			SPACE
(-1SL1	1			3	110				12404				4		1			SPACE
						5					15296		6		1			SPACE
SPACE				1		7							8		1			SPACE
SPACE				1	_	9							10		1			SPACE
SPACE				1		11							12		1			SPACE
SPACE				1	_	13							14		1			SPACE
SPACE				1	_	15							16		1			SPACE
SPACE				1		17							18		1			SPACE
SPACE				1		19							20		1			SPACE
SPACE				1	_	21							22		1			SPACE
SPACE				1		23							24		1			SPACE
SPACE				1	_	25							26		1			SPACE
SPACE				1		27							28		1			SPACE
SPACE				1	_	29							30		1			SPACE
SPACE				1	_	31							32		1			SPACE
SPACE				1	_	33							34		1			SPACE
SPACE				1		35							36		1			SPACE
SPACE				1		37							38		1			SPACE
SPACE				1		39							40		1			SPACE
SPACE				1		41							42		1			SPACE
								20 VA 1 A		04 VA 5 A		96 VA 7 A						
Load Classification					Co	nnec	ted Load	d	Dem	and Facto	r l	Estimate	ed Den	nand			Pane	el Totals
Power						1080	00 VA		1	00.00%		108	00 VA					
REC						3322	20 VA		(65.05%		216	10 VA			CONNECTE	D LOAD	44020 VA
																DEMAN	D LOAD	32410 VA
															Δ١	/G. CONNECTED C		
																AVG. DEMAND C	JKKENI	39 A

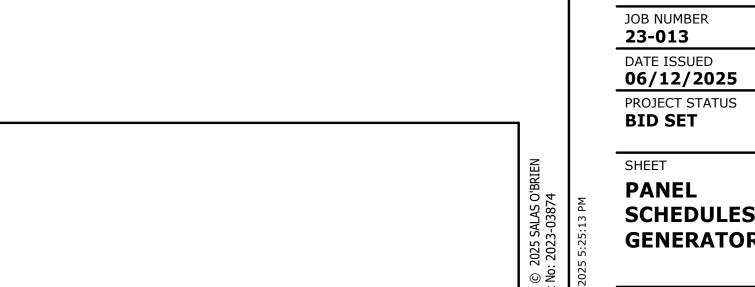
PANEL ID:	18	L1	VC)LT/	AGE	: 20	BY/120	5	SERVICE	EQUI	P: No					MOUNTING:	Surfa	ice	
SOURCE:	X-1S	L1	Al	/IPS		22	5	F	PANEL A	NC:	10,	000				TYPE:	BOL	T-01	N
LOCATION:	EME	RGEN	CY M	NI:		MC	В	C	CALC SC	CC:	7,8	88				APPROX. DIM:	20" V	٧x	5.75" D x 35" H
LOAD		CONI	Phase, Neu, Gro Size	I C	ВК	R CKT		A		3		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
REC MAIN. ELEC. 160		3/4	1-#12, 1-#12, 1-#1	2 1	20	1	720						2		1			S	SPACE
REC COLD STORAGE 124		3/4	1-#12, 1-#12, 1-#1	2 1	20	3			1000				4		1			S	SPACE
REC COLD STORAGE 124			1-#12, 1-#12, 1-#1	2 1	20	5					1000		6		1			S	SPACE
REC COLD STORAGE 124			1-#12, 1-#12, 1-#1	2 1	20	7	1000						8		1			S	SPACE
REC COLD STORAGE 124		3/4	1-#12, 1-#12, 1-#1	2 1	20	9			1000				10		1			S	SPACE
REC COLD STORAGE 124			1-#12, 1-#12, 1-#1	2 1	20	11					1000		12		1			S	SPACE
REC COLD STORAGE 124			1-#12, 1-#12, 1-#1	2 1	20	13	1000						14		1			8	SPACE
REC COLD STORAGE 124		3/4	1-#12, 1-#12, 1-#1			15			1000				16		1				SPACE
REC COLD STORAGE 124			1-#12, 1-#12, 1-#1	2 1	20	17					1000		18		1			5	SPACE
						19	6180						20		1			5	SPACE
1SL2		1-1/2	3-#1, 1-#1, 1-#8	3	100	21			6180				22		1			5	SPACE
						23					6740		24		1			S	SPACE
						25	7420						26		1				SPACE
2SL1		1-1/2	3-#1, 1-#1, 1-#8	3	100	27			3224				28		1			5	SPACE
						29					5556		30		1			5	SPACE
SPACE				1		31							32		1				SPACE
SPACE				1		33							34		1			S	SPACE
SPACE				1		35							36		1			5	SPACE
						37	0						38		1			_	SPACE
SPD		3/4	1-#10, 1-#10, 1-#1	0 3	30	39			0				40		1			S	SPACE
						41					0		42		1			S	SPACE
			1		-		1632	20 VA	1240	4 VA	152	96 VA	1						
							14	0 A	10	3 A	13	31 A							
Load Classification					C	onnec	ted Load	d	Dem	and Fac	tor	Estimate	d Den	nand			Pan	el To	otals
Power						108	00 VA		1	00.00%		108	00 VA						
REC						332	20 VA		(35.05%		216	10 VA			CONNECTE	D LOAD) 44	1020 VA
																DEMAN			
															AV	G. CONNECTED CL	JRREN	Т 12	22 A
																AVG. DEMAND CU	IRREN	T 90) Δ

PANEL ID:	1SL2		VOL	TAG	E:	208Y	//120	;	SERVICE	EQUI	P: No					MOUNTING:	Surfa	ce
SOURCE:	1SL1		AMP	S:		100		1	PANEL A	IC:	10,0	00				TYPE:	BOLT	-ON
LOCATION:	EMERGEN	ICY	MAII	N:		MLO)	(CALC SC	C:	7,09	6				APPROX. DIM:	20" W	x 5.75" D x 35" H
LOAD	N O T E	D Phase, Neu Size	, Grd	P O L E	KR (СКТ	,	A.		3		:	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	LOAD
REC IT 123	3/4	1-#12, 1-#12,	1-#12	1	20	1	720						2		1			SPACE
REC IT 123		1-#12, 1-#12,			20	3			720				4		1			SPACE
REC IT 123		1-#12, 1-#12,			20	5					540		6		1			SPACE
REC IT 123	3/4				20	7	360						8		1			SPACE
REC IT 123	3/4	1-#12, 1-#12,	1-#12	1	20	9			360				10		1			SPACE
DEO IT 100	0/4	0 1140 4 1140	4 1140		20	11					1100		12		1			SPACE
REC IT 123	3/4	2-#12, 1-#12,	1-#12	2	20	13	1100						14		1			SPACE
DEO IT 400	0/4	0 1140 4 1140	4 1140		20	15			1100				16		1			SPACE
REC IT 123	3/4	2-#12, 1-#12,	1-#12	2		17					1100		18		1			SPACE
REC COLD STORAGE 124	3/4	1-#12, 1-#12,	1-#12	1	20	19	1000						20		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12	1		21			1000				22		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12	1	20	23					1000		24		1			SPACE
REC COLD STORAGE 124	3/4	1-#12, 1-#12,	1-#12		_	25	1000						26		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12	1	20	27			1000				28		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12	1	20	29					1000		30		1			SPACE
REC COLD STORAGE 124	3/4	1-#12, 1-#12,	1-#12	1	20	31	1000						32		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12	1	20	33			1000				34		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12	1	20	35					1000		36		1			SPACE
REC COLD STORAGE 124	3/4	1-#12, 1-#12,	1-#12	1	20	37	1000						38		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12	1	20	39			1000				40		1			SPACE
REC COLD STORAGE 124		1-#12, 1-#12,	1-#12			41					1000		42		1			SPACE
					'			VA A		VA A		VA A						
Load Classification					Cor	necte	d Load	ı	Dem	and Fac	tor E	stimate	ed Den	nand			Pane	l Totals
REC						19100	VA		1	76.18%		145	50 VA					
												. 10				CONNECTE	D LOAD	19100 VA
																		14550 VA
															A1	/G. CONNECTED C		
															A			
																AVG. DEMAND C	JKKENT	40 A

PANEL ID:	1EH	11	VO	LT/	AGE:	480	Y/277	S	ERVICE	EQUIP:	: No	•				MOUNTING:	SURF	ACE
SOURCE:	ATS-E		AM	PS:		200)	P	ANEL A	IC:	22	,000				TYPE:	BOLT	ON
LOCATION:	EMER	GENC	Y MA	N:		ML	0	C	ALC SC	C:	17,	,165				APPROX. DIM:	20"W	X 5.75"D X 50"H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ	,	Ą	E	3		С	СКТ	BKF	POLE	Phase, Neu, Grd Size	COND	LOAD
EGRESS LTG 1ST FLR		3/4	1-#12, 1-#12, 1-#12	1	20	1	358	420					2	20	1	1-#12, 1-#12, 1-#12	3/4	LIGHTING ELEC. 215
EGRESS LTG 1ST FLR		3/4	1-#12, 1-#12, 1-#12	1	20	3			410	0			4	20	1			SPARE
EGRESS LTG 1ST FLR		3/4	1-#12, 1-#12, 1-#12	1	20	5					389	0	6	20	1			SPARE
OLC ELECTRICAL 128		3/4	1-#12, 1-#12, 1-#12	1	20	7	200	0					8	20	1			SPARE
ESLC ELECTRICAL 128			1-#12, 1-#12, 1-#12	_	20	9			200	0			10	20	_			SPARE
EXTERIOR LTG		3/4	1-#12, 1-#12, 1-#12	1	20	11					859	0	12	20	1			SPARE
ELEVATOR SHAFT LIGHTING	3	3/4	1-#12, 1-#12, 1-#12	_	20	13	396	0					14	20	1			SPARE
EGRESS LTG 2ND FLR		3/4	1-#12, 1-#12, 1-#12	1	20	15			382	0			16	_	1			SPARE
EGRESS LTG 2ND FLR		3/4	1-#12, 1-#12, 1-#12	1	20	17					413	0	18	20	1			SPARE
EGRESS LTG 2ND FLR		3/4	1-#12, 1-#12, 1-#12	1	20	19	646	0					20	20	1			SPARE
EGRESS LTG STAIR		3/4	1-#12, 1-#12, 1-#12	1	20	21			578	0			22	20	1			SPARE
SPARE				1	20	23					0	0	24	20	1			SPARE
SPARE				1	20	25	0	0					26	20	1			SPARE
SPARE				1	20	27			0	0			28	20	1			SPARE
SPARE				1	20	29					0	0	30	_	_			SPARE
SPARE				1	20	31	0	0					32	_	1			SPARE
SPARE				1	20	33			0	0			34	20	1			SPARE
SPARE				1	20	35					0	0	36	20	1			SPARE
X-1EL1	1			3	45	37 39 41	2040	0	1900	0	787	0	38 40 42	30	3	1-#10, 1-#10, 1-#10	3/4	SPD
								0 VA		O VA		40 VA						
							15	5 A	13	S A		9 A						
Load Classification					Co	onnec	ted Load	t	Dema	and Facto	or	Estima	ted Dei	mand			Panel	Totals
Other						0	VA			0.00%			0 VA					
Power						480	0 VA		1	00.00%		48	300 VA			CONNECTE	D LOAD	9950 VA
REC						360) VA		1	00.00%		3	60 VA			DEMAN	D LOAD	10140 VA
Lighting						403	8 VA		1	00.00%		40	38 VA		A	VG. CONNECTED CL	JRRENT	12 A
EXTERIOR LIGHTING						759) VA		1	25.00%		9	49 VA			AVG. DEMAND CU	JRRENT	12 A
NOTES:																		
1. REFERENCE TRANSFORM	MER SC	HEDUI	LE FOR FEEDER CO	ONF	IGUR	ATION	۱.											

SOURCE:	X-1EL	_1	AMI	PS:		100)	Р	ANEL A	IC:	10,0	000				TYPE:	BOL	T-ON
LOCATION:	EMEF	RGENO	CY MAI	N:		MC	В	С	ALC SC	C:	2,9	16				APPROX. DIM:	20"W	/ X 5.75"D X 50"H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E		СКТ	,	4	E	3	ı	С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T LOAD
FIRE ALARM AMP 128	1	3/4	1-#12, 1-#12, 1-#12	1	20	1	400	0					2	20	1			SPARE
FIRE ALARM CNTRL PNL 12	8 1	3/4	1-#12, 1-#12, 1-#12	1	20	3			200	0			4		1			SPARE
PRINTER REC. ELEC. 128	1	3/4	1-#12, 1-#12, 1-#12	1	20	5					360	0	6	20	1			SPARE
ERRC ELEC. 215		3/4	1-#12, 1-#12, 1-#12	_	20	7	100	0					8	20	1			SPARE
FIRE ALARM SNAC 215	1	3/4	1-#12, 1-#12, 1-#12	_	20	9			0	0			10	20	1			SPARE
LIGHTING		3/4	1-#12, 1-#12, 1-#12	_	20	11					28	0	12		1			SPARE
LIGHTING CORRIDOR 203		3/4	1-#12, 1-#12, 1-#12	+	20	13	42	0					14	20	1			SPARE
TEMP GEN JACKET HEATER	3	1	1-#12, 1-#12, 1-#12	_	20	15			1500	0			16	20				SPARE
TEMP GEN BATT CHARGER			1-#12, 1-#12, 1-#12	_	20	17					200	0	18		1			SPARE
GENERATOR JACKET HEAT		1	1-#12, 1-#12, 1-#12	_	20	19	1500	0					20		1			SPARE
GEN LTS/REC			1-#12, 1-#12, 1-#12	_	20	21			200	0			22	20	1			SPARE
GEN BATTERY CHARGER			1-#12, 1-#12, 1-#12	_	20	23					200	0	24		1			SPARE
SPARE				1	20	25	0	0					26	20	1			SPARE
SPARE				1	20	27		-	0	0			28		1			SPARE
SPARE				1	20	29					0	0	30	20				SPARE
SPARE				1	20	31	0	0					32		1			SPARE
SPARE				1	_	33		-	0	0			34		1			SPARE
SPARE				1	20	35					0	0	36	20				SPARE
SPARE				1	20	37	0	0					38		-			0,7
SPARE				1	_	39			0	0			40	30	3	1-#10, 1-#10, 1-#10	3/4	SPD
SPARE				1	-	41				0	0	0	42	00		,,	0, .	
0171112				<u> </u>		1	2040) VA	1900) VA	-	7 VA						I I
							18		17			Ά.						
Load Classification					Co	nnec	ted Load	l	Dem	and Facto	r E	Estimated	l Dem	and			Par	nel Totals
Power						430	0 VA		1	00.00%		4300) VA					
REC						360) VA		1	00.00%		360	VA			CONNECTE	D LOA	D 4727 VA
Lighting						70	VA		1	00.00%		70	VA			DEMAN	D LOA	D 4727 VA
															A	VG. CONNECTED C	JRREN	T 13 A
															<u> </u>	AVG. DEMAND C		
															1			

	PANEL KEY	
2SL1	1SH1	1EH1
	1SL1	1EL1
	1SL2	



PANEL
SCHEDULES GENERATOR

E402

ARCHITECTURE

Salas O'Brien

Salas O'Brien North Carolina, Inc. 702 Oberlin Road, Suite 300 Raleigh, NC 27605 919-832-8118

salasobrien.com license (NC): F-1434

1100 Dresser Court Raleigh, NC 27609 **Office** 919.828.2301 Email office@hh-arch.com

CLANCY & THEYS https://www. 06/13/2025

PANEL ID:	2N	L1	VO	LTA	AGE:	208	3Y/120	;	SERVICE	EQUIP:	No					MOUNTING:	Surfac	ce
SOURCE:	2DL	1	AM	PS:		100)	ı	PANEL A	NC:	22,	000				TYPE:	BOLT	-ON
OCATION:	ELE	C. 215	MA	IN:		ML	.0	(CALC SC	CC:	9,6	43				APPROX. DIM:	20" W	x 5.75" D x 35" H
.OAD		CONI	Phase, Neu, Grd Size	P O L E	BKR	СКТ		A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND .	LOAD
REC 208		3/4	1-#12, 1-#12, 1-#12	2 1	20	1	540	900					2	20	1	1-#12, 1-#12, 1-#12	3/4	REC ASSEMBLY 217
REC 212			1-#12, 1-#12, 1-#12	2 1	20	3			540	900			4	20	1	1-#12, 1-#12, 1-#12		REC ASSEMBLY 217
REC 211		3/4	1-#12, 1-#12, 1-#12	2 1	20	5					540	1080	6	20	1	1-#12, 1-#12, 1-#12		REC ASSEMBLY 217
REC CATER 211			1-#12, 1-#12, 1-#12	_	20	7	540	720					8	20		1-#12, 1-#12, 1-#12	3/4	FLOOR BOX ASSEMBLY 217
CE MAKER CATER 211		1	1-#12, 1-#12, 1-#12	_	_	9			1080	360			10	20	-	1-#12, 1-#12, 1-#12		FLOOR BOX ASSEMBLY 217
<u> </u>						11					250	360	12	_	-	1-#12, 1-#12, 1-#12		FLOOR BOX ASSEMBLY 217
WARMER CATER 211		1 3/4	2-#12, 1-#12, 1-#12	2 2	20	13	250	360					14	_	-	1-#12, 1-#12, 1-#12	3/4	REC OUTDOOR TERRACE 140
REC 203		3/4	1-#12, 1-#12, 1-#12	2 1	20	15			360	360			16	20	-	1-#12, 1-#12, 1-#12		REC OUTDOOR TERRACE 140
EWC 203		1	1-#12, 1-#12, 1-#12	_	20	17					1000	180	18	20	-	1-#12, 1-#12, 1-#12	3/4	REC ELEVATOR 200
REC 204,205,206,207			1-#12, 1-#12, 1-#12	_	_	19	720	180				100	20	20	-	1-#12, 1-#12, 1-#12		REC ELEVATOR 200
REC STORAGE 210		3/4	1-#12, 1-#12, 1-#12	_	-	21			540	180			22	20	_	1-#12, 1-#12, 1-#12	3/4	PROJECTOR ASSEMBLY 217
REC STORAGE 210			1-#12, 1-#12, 1-#12	_	_	23					540	180	24	20	-	1-#12, 1-#12, 1-#12		PROJECTOR ASSEMBLY 217
SPARE				1		25	0	200					26	20		1-#12, 1-#12, 1-#12	3/4	PROJECTOR SCREEN 217
SPARE				1	20	27			0	200			28	20	-			PROJECTOR SCREEN 217
SPARE				1	_	29					0	0	30	20	1			SPARE
SPARE				1	20	31	0	0					32	20	1			SPARE
SPARE				1	_	33			0	0			34	20	1			SPARE
SPARE				1	20	35					0	0	36	20	1			SPARE
SPARE				1	20	37	0	0					38	20	1			SPARE
SPARE				1	20	39			0	0			40	20	1			SPARE
SPARE				1	20	41					0	0	42	20	1			SPARE
	-						441	0 VA	452	0 VA	413	O VA						
							37	7 A	38	3 A	3	4 A						
oad Classification					Co	onnec	ted Load	d	Dem	and Facto	r I	Estimate	d Den	nand			Pane	l Totals
Power						400) VA		1	00.00%		400) VA					
REC						1266	60 VA			89.49%		1133	30 VA			CONNECTE	D LOAD	13060 VA
-																DEMAN	D LOAD	11730 VA
															A۱	VG. CONNECTED CI	JRRENT	36 A
																AVG. DEMAND CI	JRRENT	33 A
NOTES:															_			

PANEL ID:	1N	1L		VOL	_TA	GE:	208	3Y/120	S	ERVICE	EQUIF	P: No)				MOUNTING:	REC	ESSED
SOURCE:	1DL	1		AMF	PS:		200)	P	ANEL A	NC:	22	,000				TYPE:	BOL	T-ON
LOCATION:	MAII	N E	LEC	TRICAL 128 MAI	N:		ML	.0	С	ALC SO	CC:	8,0	005				APPROX. DIM:	20" \	W x 5.75" D x 35" H
LOAD	9	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKF	СКТ	,	A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T LOAD
SPARE					1	20	1	0	0					2	20	1			SPARE
SPARE					1	20	3			0	0			4	20	1			SPARE
SPARE					1	20	5					0	0	6	20	1			SPARE
UH-1.1 STAIR ST-01		1	3/4	2-#10, 1-#10, 1-#10	2	25	7	1500	480	1500	480			8	20	3	3-#12, 1-#12	3/4	1 SUMP PUMP SP-1 JAN. 174
UH-1.2 FIRE PUMP 163		1	3/4	2-#10, 1-#10, 1-#10	2	25	11	1500	1500			1500	480	12 14	-		,		
UH-1.3 STAIR 165		1	3/4	2-#10, 1-#10, 1-#10	2	25	15	1000	1000	1500	1500	4=00	100	16	25		2-#10, 1-#10, 1-#10	3/4	1 UH-1.4 MECHANICAL 126
							17	4.400	200			1500	400	18	20	1			SUMP PUMP ALARM JAN. 174
ACU-11 CORRIDOR 122		1	3/4	2-#12, 1-#12, 1-#12	2	20	19	1123	200	1.100	200			20	30	1			WH-1 MECH. 277
							21			1123	200	4400	200	22	30	1	, ,		WH-2 MECH 277
ACU-2 BAR 322		1	3/4	2-#12, 1-#12, 1-#12	2	20	23	1123	1176			1123	200	24	30 20	1	,,	3/4	WH-3 MECH. 277 RCP-1 MECH. 277
							27	1123	1176	1123	1176			28	20	1		3/4	RCP-1 MECH. 277
ACU-1 BAR 322		1	3/4	2-#12, 1-#12, 1-#12	2	20	29			1123	1170	1123	200	30		+ -	1-#12, 1-#12, 1-#12		TAF-1 MECHANICAL 126
TU-V6, 7, 8			3/4	1-#12, 1-#12, 1-#12	1	20	31	600	1123			1120	200	32					
TU-V5				1-#12, 1-#12, 1-#12	_	20	33			200	1123			34	20	2	2-#12, 1-#12, 1-#12	3/4	1 ACU-4 DINING 100
TU-V1, 2, 3, 4			3/4	1-#10, 1-#10, 1-#10	1	20	35					800	1123	36		t	0 1110 1 1110 1 1110		
TU-V9, 10, 11, 12			3/4	1-#12, 1-#12, 1-#12	1	20	37	800	1123					38	20	2	2-#12, 1-#12, 1-#12	3/4	1 ACU-5 DINING 100
ACU-3 DINING 100		1	3/4	2-#12, 1-#12, 1-#12	2	20	39 41			1123	1830	1123	1830	40 42	20	2	2-#10, 1-#10, 1-#10	3/4	1 ACU-6 DINING 100
							41	1224	 9 VA	1287	'9 VA		403 VA	42					
									3 A		8 A		95 A						
Load Classification						C	onnec	ted Load			and Fact		Estimate	d Den	nand			Par	nel Totals
Power								39 VA			00.00%			39 VA					
REC								O VA			00.00%			0 VA		+	CONNECTE	D LOA	D 36531 VA
Mechanical								2 VA			00.00%			92 VA			DEMAN	D LOA	D 36531 VA
																A	VG. CONNECTED C	JRREN	IT 101 A
																	AVG. DEMAND C	JRREN	IT 101 A
NOTES: 1. CONFIRM NEUTRAL RE UNNEEDED FOR SUPPLY				/ITH EQUIPMENT M	ANI	JFAC	TURE	ER. OMIT	NEUTRA	AL IF									

LOCATION:	MAIN	ELEC	TRICAL 128 MAII	N:		MC	В	c	ALC SC	C:	11.	166				APPROX. DIM:	32" W	/ x 8.25" D x 73" H
LOAD	N O T E	COND	Dhasa Neu Crd	P O L E	BKR	СКТ		Α	E			С	СКТ	ГВК	P O L E	Phase, Neu, Grd Size	COND	N O T LOAD
						1	4300	0					2	20	1			SPARE
1NL1		1 1/2	3-#1, 1-#1, 1-#8	3	100				5240	0			4	20	1			SPARE
						5					6726	0	6	20	1			SPARE
						7	1064	0	2001				8	20	_			SPARE
1NL2		1 1/2	3-#1, 1-#1, 1-#8	3	100				2864	0	0004		10	_	1			SPARE
				-		11	12240	0			2864	0	12		1			SPARE
1ML		2	3-#3/0, 1-#3/0, 1-#6	2	200	13	12249	U	12879	0			14 16	_		 		SPARE SPARE
TIVIL			3-#3/0, 1-#3/0, 1-#0		200	17			12019	U	11403	0	18	_	1			SPARE
						19	4056	0			11400		20	_	ļ.,			SPARE
1LL		1 1/2	3-#1, 1-#1, 1-#8	3	100		1000		3765	0			22		1			SPARE
		,_				23			0.00		2650	0	24					SPARE
SPACE				1		25		0					26					
SPACE				1		27				0			28	30	3	3-#10, 1-#10, 1-#10	3/4	SPD
SPACE				1		29						0	30					
								8 VA	2474			44 VA						
							18	1 A	209	9 A		00 A						
Load Classification					Co	nnec	ted Load	t	Dema	and Fact	tor	Estima	ted De	mand			Pane	el Totals
Power						3498	86 VA		10	00.00%		34	986 VA	١				
REC						1602	20 VA		8	31.21%		13	010 VA			CONNECTE	D LOAD	70060 VA
Lighting						267	'3 VA		10	00.00%		20	673 VA			DEMAN	D LOAD	67950 VA
Mechanical						1278	84 VA		10	00.00%		12	784 VA	١	A	VG. CONNECTED CL	JRRENT	194 A
Lighting - Exterior						360	00 VA			25.00%		4:	500 VA			AVG. DEMAND CU	JRRENT	189 A
NOTES:																		
<u></u>																		

PANEL ID:	2NL	_2	VOL	_TA	GE:	208	Y/120	S	ERVICE	EQUIP	No					MOUNTING:	Surfa	ace	•
SOURCE:	2DL1		AMI	PS:		100	ı	P.	ANEL A	NC:	22,0	000				TYPE:	BOL1	T-C	N
LOCATION:	ELEC	. 215	MAI	N:		ML	0	С	ALC SC	CC:	9,02	27				APPROX. DIM:	20" V	۷x	5.75" D x 35" H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	скт	,	A	ı	В	ı	С	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
REC DINING 200		3/4	1-#12, 1-#12, 1-#12	1	20	1	540	660					2	20	1	1-#12, 1-#12, 1-#12	3/4	1	REC WOMEN 204
REC DINING 200			1-#12, 1-#12, 1-#12	_	20	3			360	660			4		-	1-#12, 1-#12, 1-#12		_	REC MEN 205
REC DINING 200			1-#12, 1-#12, 1-#12	_	20	5					360	280	6		-	1-#12, 1-#12, 1-#12	3/4	1	REC FAMILY 206
REC DINING 200		3/4	1-#12, 1-#12, 1-#12	_	20	7	540	280					8		-	1-#12, 1-#12, 1-#12		1	REC FAMILY 207
REC DINING 200			1-#12, 1-#12, 1-#12	_	20	9			360	0			10	20	_				SPARE
REC DINING 200			1-#12, 1-#12, 1-#12	1	20	11					360	0	12	20	-				SPARE
REC FLEX 202		3/4	1-#12, 1-#12, 1-#12	_	20	13	540	0					14	20	_				SPARE
REC FLEX 202			1-#10, 1-#10, 1-#10	1	20	15			720	0			16	20	1				SPARE
REC FLEX 202			1-#10, 1-#10, 1-#10	_	20	17					660	0	18	20	-				SPARE
SPACE				1		19		0					20	20	1				SPARE
SPACE				1		21				0			22	20	1				SPARE
SPACE				1		23						0	24	20	1				SPARE
SPACE				1		25		0					26	20	1				SPARE
SPACE				1		27				0			28	20	1				SPARE
SPACE				1		29						0	30	20	1				SPARE
SPACE				1		31		0					32	20	1				SPARE
SPACE				1		33				0			34	20	1				SPARE
SPACE				1		35						0	36	20	1				SPARE
SPACE				1		37		0					38	20	1				SPARE
SPACE				1		39				0			40	20	1				SPARE
SPACE				1		41						0	42	20	1				SPARE
							2560 22	VA A		0 VA		0 VA 4 A							
Load Classification					Co	nnec	ed Load			and Facto		Estimated	l Den	nand			Pan	el 1	Гotals
Power						800	VA		1	00.00%		800	VA						
REC						552) VA		1	00.00%		5520) VA			CONNECTE	D LOAD	o 6	320 VA
																DEMAN	D LOAD	o 6	320 VA
															A۱	VG. CONNECTED CL	JRREN1	T 1	8 A
																AVG. DEMAND CU	IRRENT	Т 1	8 Δ

PANEL ID:	1LI	_	VOL	.TA	GE:	208	Y/120	S	ERVICE	EQUIP:	No)				MOUNTING:	RECE	SSED
SOURCE:	1DL1		AMF	PS:		100)	Р	ANEL A	NC:	10	,000				TYPE:	BOLT-	-ON
LOCATION:	MAIN	I ELEC	CTRICAL 128 MAI	N:		ML	0	С	ALC SO	CC:	6,5	527				APPROX. DIM:	20" W	x 5.75" D x 35" H
LOAD	N C T E	CONE	Phase, Neu, Grd Size	P O L E	BKR	скт	,	A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	LOAD
LIGHTING	1	3/4	1-#12, 1-#12, 1-#12	1	20	1	476	220					2	20	1	1-#12, 1-#12, 1-#12	3/4	LIGHTING
LIGHTING CORRIDOR 203	1	3/4	1-#12, 1-#12, 1-#12	1	20	3			475	95			4	20	1	1-#12, 1-#12, 1-#12	3/4	LIGHTING - RESTRMS 112, 11
LTG DINING 200	1	3/4	1-#12, 1-#12, 1-#12	1	20	5					360	95	6			1-#12, 1-#12, 1-#12	3/4	LIGHTING - RESTRMS 206, 20
LIGHTING BAR 201		3/4	1-#10, 1-#10, 1-#10	1	20	7	960	200					8	20	-	1-#12, 1-#12, 1-#12	3/4	LRP ELEC 128
EXT ILLUMINATED SIGN	1		1-#10, 1-#10, 1-#10	1	20	9			1000	0			10	20				SPARE
EXT ILLUMINATED SIGN		3/4	1-#12, 1-#12, 1-#12	1	20	11					1000	0	12	20				SPARE
EXT ILLUMINATED SIGN		3/4	1-#10, 1-#10, 1-#10	1	20	13	1000	0					14	20				SPARE
EXT ILLUMINATED SIGN	1		1-#8, 1-#8, 1-#8	1	20	15			1000	0			16	20	-			SPARE
LANDSCAPE LIGHTING	1		1-#12, 1-#12, 1-#12	1	20	17					1200	0	18	20				SPARE
LANDSCAPE LIGHTING	1		1-#12, 1-#12, 1-#12	1	20	19	1200	0					20	20				SPARE
LANDSCAPE LIGHTING		1	1-#8, 1-#8, 1-#8	1	20	21			1200	0			22	20				SPARE
SPARE				1	20	23			1-11		0	0	24	20	-			SPARE
SPARE				1	20	25	0	0					26	20				SPARE
SPARE				1	20	27	-	-	0	0			28	20				SPARE
SPARE				1	20	29					0	0	30	20	_			SPARE
SPARE				1	20	31	0	0					32	20				SPARE
SPARE				1	20	33			0	0			34	20				SPARE
SPARE				1	20	35					0	0	36	20				SPARE
SPARE				1	20	37	0	0					38	20	_			SPARE
SPARE				1	20	39			0	0			40	20				SPARE
SPARE				1	20	41					0	0	42	20				SPARE
							4050	S VA	376	5 VA	26	50 VA						
							35	Α	33	ВА	2	22 A						
Load Classification					Co	nnec	ted Load	I	Dem	and Facto	r	Estimated	d Den	nand			Pane	l Totals
Power						420	0 VA		1	00.00%		4200	O VA					
Lighting						267	3 VA		1	00.00%		2673	3 VA			CONNECTE	D LOAD	10471 VA
Lighting - Exterior						360	0 VA		1	25.00%		4500	AV 0			DEMAN	D LOAD	11371 VA
															A'	VG. CONNECTED C	JRRENT	29 A
																AVG. DEMAND C	JRRENT	32 A
NOTES: 1. ROUTE LIGHTING CIRC	CUIT TH	ROUG	HINTERIOR LIGHTING	G CC	ONTR	ROL P.	ANEL (LI	RP)										

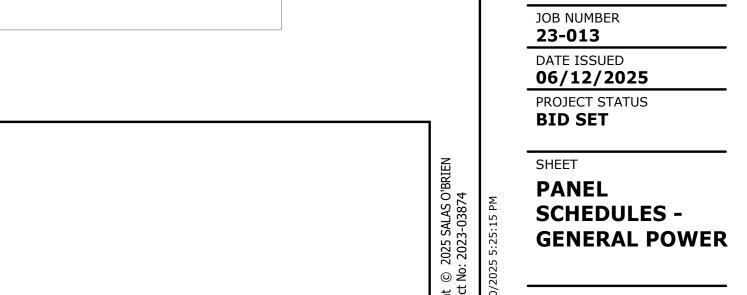
Phase, Neu, Gr Size /4 1-#12, 1-#12, 1-# /4 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# /4 1-#12, 1-#12, 1-#	F C L E	BKF	100 ML	.0	С	ANEL A		22,0 8,48				TYPE: APPROX. DIM:	BOL [*]	N >	ON x 5.75" D x 35" H
Phase, Neu, Gr Size /4 1-#12, 1-#12, 1-# /4 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# /4 1-#12, 1-#12, 1-#	F C L E	BKF				ALC SC	C:	8,48	36			APPROX. DIM:	20" V		x 5.75" D x 35" H
/4 1-#12, 1-#12, 1-# /4 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-#	d C L E	BKF	RCKT		_						_			T	
/4 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# /4 1-#12, 1-#12, 1-#	_	- 00			A	i	В		С	СКТ	BKR POLE	Phase, Neu, Grd Size	COND	N O T E	LOAD
1-#12, 1-#12, 1-# /4 1-#12, 1-#12, 1-#	12 1	20	1	540	760					2	20 1	1-#12, 1-#12, 1-#12	3/4	1	REC WOMEN 115
/4 1-#12, 1-#12, 1-#	_	20	3			540	760			4	20 1	1-#12, 1-#12, 1-#12		1	REC MEN 116
/4 1-#12, 1-#12, 1-#	12 1	20	5					540	280	6	20 1	1-#12, 1-#12, 1-#12	3/4	1	REC FAMILY 112
		20	7	900	280					8	20 1	1-#12, 1-#12, 1-#12		1	REC FAMILY 113
1-#12, 1-#12, 1-#	_		_			900	500			10		1-#12, 1-#12, 1-#12	3/4		DOM BFP HOTBOX
1-#12, 1-#12, 1-#	_	_						1000	500	12		1-#12, 1-#12, 1-#12			FIRE BFP HOTBOX
/4 1-#12, 1-#12, 1-#	_	20	13	180	200					14	20 1	1-#12, 1-#12, 1-#12	3/4		FIRE SPRINKLER ALARM BELL
1-#12, 1-#12, 1-#	_	20	15			720	200			16	20 1				DOOR OPERATOR E100A
			_					360	2246	_		1-#8, 1-#8, 1-#8	3/4		DOOR OPERATOR E100B
	_			180	0										SPARE
· · · · · ·						180	0								SPARE
· · · · · ·	_							180	0	_					SPARE
	_	_		720	0					_					SPARE
· · · · · ·	_	_				720	0			_					SPARE
· · · · · ·								1080	0	_					SPARE
				540	0					_					SPARE
	_	_				720	0			_					SPARE
	_	_						540	0	_					SPARE
			_		0			<u> </u>		_					SPARE
	_						0			_					SPARE
	_								0	-					SPARE
				430	0 VA	5240	0 VA		_						5.7.1.12
		С	onnec	ted Load	d	Dem	and Facto	or E	Estimate	d Dem	and		Par	nel	Totals
			464	6 VA		1	00.00%		464	6 VA					
			116	20 VA		(93.03%		1081	0 VA		CONNECTE	D LOA	D ·	16266 VA
												DEMAN	D LOA	D ·	15456 VA
											Δ	VG. CONNECTED CI	JRREN	T 4	45 A
														-	
3	1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#10, 1-#10, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#10, 1-#10, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-# 1-#12, 1-#12, 1-#	1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 1-#12, 1-#12, 1-#12 1 1-#12, 1-#12, 1-#12 1 1-#10, 1-#10, 1-#10 1 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 1-#10, 1-#10, 1-#10 1 1-#12, 1-#12, 1-#12 1 1-#12, 1-#12, 1-#12 1 1-#12, 1-#12, 1-#12 1 1-#12, 1-#12, 1-#12 1 1-#12, 1-#12, 1-#12 1 1	1.#12, 1.#12, 1.#12 1 20 6/4 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 6/4 1.#12, 1.#12, 1.#12 1 20 6/4 1.#12, 1.#12, 1.#12 1 20 1.#10, 1.#10, 1.#10 1 20 1.#12, 1.#12, 1.#12 1 20 6/4 1.#12, 1.#12, 1.#12 1 20 1.#10, 1.#10, 1.#10 1 20 1.#10, 1.#10, 1.#10 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20 1.#12, 1.#12, 1.#12 1 20	1.#12, 1.#12, 1.#12	1-#12, 1-#12, 1-#12	1.#12, 1.#12, 1.#12	1-#12, 1-#12, 1-#12	1-#12, 1-#12, 1-#12	1-#12, 1-#12, 1-#12	1-#12, 1-#12, 1-#12	1-#12, 1-#12, 1-#12	1-#12, 1-#12, 1 1 20 17 180 0 360 2246 18 20 1 180 0 20 20 1 180 0 22 20 1 180 0 22 20 1 180 0 22 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 24 20 1 180 0 26 20 1 180 0 28 20 1 180 0 30 20 1 180	1.#12, 1.#12, 1.#12	1-#12, 1-#12, 1-#12	1-#12, 1-#12, 1-#12

PANEL ID:	2M	L	VOL	-TA	GE:	208	SY/120	S	ERVICE	EQUIP	: No					MOUNTING:	Surfac	ce
SOURCE:	2DL1		AMF	PS:		200)	Р	ANEL A	IC:	22,	000				TYPE:	BOLT	-ON
LOCATION:	ELEC	. 215	MAI	N:		ML	0	С	ALC SC	C:	9,8	47				APPROX. DIM:	20" W	x 5.75" D x 35" H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ	ļ	A	E	3		С	СКТ	DVD	P O L E	Phase, Neu, Grd Size	COND	N D LOAD
EXH-1	1	3/4	2-#10, 1-#10, 1-#10	2	25	1	1144	540					2	20	-	1-#12, 1-#12, 1-#12	3/4	ROOFTOP RECEPT.
						3			1144	720			4	20	\rightarrow	1-#12, 1-#12, 1-#12	3/4	ROOFTOP RECEPT.
SPARE				1		5					0	1176	6		\rightarrow	1-#12, 1-#12, 1-#12	3/4	EXH-2 CLOSET 213
SPARE				1	20	7	0	200					8	20	\rightarrow	1-#12, 1-#12, 1-#12	3/4	BAS 213
DSSO-2	1	3/4	2-#10, 1-#10, 1-#10	2	30	9			1664	200			10	_	-	1-#12, 1-#12, 1-#12		DDC 213
						11					1664	200	12	20	1	1-#12, 1-#12, 1-#12		DDC 213
DSSO-3	1	1	2-#6, 1-#6, 1-#10	2	50	13 15	3016	499	3016	499			14	15	2	2-#12, 1-#12, 1-#12	3/4	1 ACU-12 FLEX 202
SPARE				1	20	17					0	499	18	4-		0 440 4 440 4 440	2/4	4 ACH 40 FLEV 000
SPARE				1	20	19	0	499					20	15	2	2-#12, 1-#12, 1-#12	3/4	1 ACU-13 FLEX 202
DSSO-5	1	3/4	2-#10, 1-#10, 1-#10	2	30	21			1664	200			22	20	1	1-#12, 1-#12, 1-#12	3/4	RTU-1 AUX POWER
D33O-3	'	3/4	2-#10, 1-#10, 1-#10		30	23					1664	200	24	20	1	1-#12, 1-#12, 1-#12		RTU-1 AUX POWER
DSSO-6	1	3/4	2-#10, 1-#10, 1-#10	7	30	25	1664	200					26	20	1	1-#12, 1-#12, 1-#12		RTU-1 AUX POWER
D33O-0		3/4	2-#10, 1-#10, 1-#10		30	27			1664	200			28	20	1	1-#12, 1-#12, 1-#12	3/4	KVU-1 AUX POWER
SPARE				1	20	29					0	200	30	20	1	1-#12, 1-#12, 1-#12		KVU-1 AUX POWER
SPARE				1	-	31	0	200					32	20	1	1-#12, 1-#12, 1-#12		KVU-1 AUX POWER
SPARE				1	20	33			0				34		1			SPACE
SPARE				1		35					0		36		1			SPACE
SPARE				1	-	37	0						38		1			SPACE
SPARE				1	-	39			0				40		1			SPACE
SPARE				1	20	41					0		42		1			SPACE
							7962 69	2 VA • A	1097 94			3 VA 7 A						
Load Classification					Co	nnec	ted Load	ı	Dem	and Facto	or I	Estimated	d Den	nand			Pane	l Totals
Power						1950)4 VA		1	00.00%		1950	04 VA					
REC						126	0 VA		1	00.00%		126	0 VA			CONNECTE	D LOAD	24537 VA
Mechanical						377	3 VA		1	00.00%		377	3 VA			DEMAN	D LOAD	24537 VA
															A۱	VG. CONNECTED C	JRRENT	68 A
																AVG. DEMAND C	IDDENIT	69 A

PANEL ID:	2DI	_1	VOI	LTA	AGE:	208	3Y/120	S	SERVICE	EQUIP	: No)				MOUNTING:	Surf	ace	9
SOURCE:	X-2DI	_1	AMI	PS:	:	400)	P	PANEL A	IC:	22	,000				TYPE:	BOL	.T-(ON
LOCATION:	ELEC	. 215	MA	IN:		MC	В	C	CALC SC	C:	11	,166				APPROX. DIM:	20" \	W >	c 5.75" D x 65" H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ		A	ı	3		С	скт	BKR	P O L E	Phase, Neu, Grd Size	CONE	N O T E	
SPACE				1		1							2		1				SPACE
SPACE				1		3							4		1				SPACE
SPACE				1		5							6		1				SPACE
SPACE				1		7							8		1				SPACE
SPACE				1		9							10		1				SPACE
SPACE				1		11							12		1				SPACE
						13	7962						14		1				SPACE
2NL1		1 1/2	3-#1, 1-#1, 1-#8	3	100	15			10971				16		1				SPACE
						17					5603		18		1				SPACE
						19	2560						20		1				SPACE
2NL2		1 1/2	3-#1, 1-#1, 1-#8	3	100	21			2100				22		1				SPACE
						23					1660		24		1				SPACE
						25	4410	0					26						
2ML		2	3-#3/0, 1-#3/0, 1-#6	3	200	27			4520	0			28	30	3	3-#10, 1-#10, 1-#10	3/4		SPD
						29					4130	0	30						
								32 VA	1759		113	393 VA							
							12	9 A	15	1 A		95 A							
Load Classification					Co	nnec	ted Load	t	Dem	and Fact	or	Estimat	ed Den	nand			Pa	nel	Totals
Power						2070	04 VA		1	00.00%		207	704 VA						
REC						1944	10 VA		-	75.72%		147	720 VA			CONNECTE	D LOA	ND 4	13917 VA
Mechanical						377	3 VA		1	00.00%		37	73 VA			DEMAN	D LOA	D :	39197 VA
															A۱	/G. CONNECTED CI	JRREN	IT '	122 A
																AVG. DEMAND CI	IRRFN	JT ,	109 A
															1				

PANEL ID:	1N I	_2	VOL	TΑ	GE:	208	SY/120		SERVICE	EQUIP	: No				MOUNTING:	RECE	SSED
SOURCE:	1DL1		AMP	S:		100)		PANEL A	NC:	22,	000			TYPE:	BOLT	-ON
LOCATION:	MAIN	ELEC	TRICAL 128 MAIN	N:		ML	0		CALC SO	CC:	8,0	05			APPROX. DIM:	20" W	x 5.75" D x 35" H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	скт		A	ı	В		С	скт	BKR P O L E	Phase, Neu, Grd Size	COND	LOAD
WH-1 PUMP 126 (1/3 HP)		3/4	1-#12, 1-#12, 1-#12	1	20	1	864	0					2	20 1			SPARE
WH-2 PUMP 126 (1/3 HP)			1-#12, 1-#12, 1-#12	_	20	3			864	0			4	20 1			SPARE
WH-3 PUMP 126 (1/3 HP)			1-#12, 1-#12, 1-#12		20	5					864	0	6	20 1			SPARE
GAS SHUTOFF - WHs 126		3/4	1-#12, 1-#12, 1-#12			7	200	0					8	20 1			SPARE
						9			2000	0			10	20 1			SPARE
OUTDOOR REC	1	1	2-#6, 1-#6, 1-#10	2	50	11					2000	0	12	20 1			SPARE
SPARE				1	20	13	0	0					14	20 1			SPARE
SPARE				1	20	15			0	0			16	20 1			SPARE
SPARE				1	20	17					0	0	18	20 1			SPARE
SPARE				1	20	19	0	0					20	20 1			SPARE
SPARE				1	20	21			0	0			22	20 1			SPARE
SPARE				1		23					0	0	24	20 1			SPARE
SPARE				1	20	25	0	0					26	20 1			SPARE
SPARE				1	20	27			0	0			28	20 1			SPARE
SPARE				1	20	29					0	0	30	20 1			SPARE
SPARE				1	20	31	0	0					32	20 1			SPARE
SPARE				1	20	33			0	0			34	20 1			SPARE
SPARE				1	20	35					0	0	36	20 1			SPARE
SPARE				1	20	37	0	0					38	20 1			SPARE
SPARE				1	20	39			0	0			40	20 1			SPARE
SPARE				1	20	41					0	0	42	20 1			SPARE
							106	4 VA		4 VA	286	64 VA					
							9	A	26	6 A	2	6 A					
Load Classification					Co	nnec	ted Loa	d	Dem	and Fact	or	Estimat	ed Der	nand		Pane	l Totals
REC						400	0 VA		1	00.00%		40	00 VA				
Mechanical						279	2 VA		1	00.00%		27	92 VA		CONNECTE	D LOAD	6792 VA
															DEMAN	D LOAD	6792 VA
														Δ	VG. CONNECTED C	JRRENT	19 A
															AVG. DEMAND C		
											1			1	AVG. DEIVIAND C	ンバルビリー	13 A

	PANEL KEY	
2NL1	1ML	1DL1
2NL2	1LL	1NL1
2ML	2DL1	1NL2



ARCHITECTURE 1100 Dresser Court Raleigh, NC 27609 **Office** 919.828.2301 Email office@hh-arch.com

Salas O'Brien North Carolina, Inc. 702 Oberlin Road, Suite 300 Raleigh, NC 27605 919-832-8118

salasobrien.com license (NC): F-1434

PANEL ID:	1V l	L6	•	VOL	TAGE	: 20	8Y/120	S	SERVICE	EQUIP:	No					MOUNTING:	RECE	ES	SED
SOURCE:	1DL2	!		AMP:	S:	10	0	F	PANEL A	NC:	10,0	000				TYPE:	BOL	T-C	ON
LOCATION:	VENI	OOR 7	109	MAIN	l:	M	СВ	c	CALC SO	CC:	5,1	11				APPROX. DIM:	20" V	٧x	5.75" D x 35" H
LOAD	N C T E	COND	Phase, Neu, C Size	Grd	P O L E	R CKT	-	A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
SPARE					1 20	1	0	0					2						
SPARE					1 20	3			0	0			4	50	3				SPARE
SPARE					1 20	5					0	0	6						
SPARE					1 20	7	0						8		1				SPACE
SPARE					1 20	9			0				10		1				SPACE
SPARE					1 20	11					0		12		1				SPACE
SPARE					1 20	13	0						14		1				SPACE
SPARE					1 20	15			0				16		1				SPACE
SPARE					1 20	17					0		18		1				SPACE
SPARE					1 20	19	0						20		1				SPACE
SPARE					1 20	21			0				22		1				SPACE
SPARE					1 20	23					0		24		1				SPACE
SPARE					1 20	25	0						26		1				SPACE
SPARE					1 20	27			0				28		1				SPACE
SPARE					1 20	29					0		30		1				SPACE
SPARE					1 20	31	0						32		1				SPACE
SPARE					1 20	33			0				34		1				SPACE
SPARE					1 20	35					0		36		1				SPACE
SPARE					1 20	37	0						38		1				SPACE
SPARE					1 20	39			0				40		1				SPACE
SPARE					1 20	41					0		42		1				SPACE
								VA) A		VA A		VA A							
Load Classification	·				С	onne	cted Loa	d	Dem	and Factor	. !	Estimate	d Den	nand			Pan	el -	Totals
																CONNECTE	DIOAF) VA
																		-	
																DEMAN		-	
															AV	/G. CONNECTED C	JRREN	T) A
																AVG. DEMAND CU	JRRENT	TO) A

PANEL ID:	1VI	_3	VOL	. T.	GE:	208	SY/120)		SERVICE	EQUIP	: N	0				MOUNTING:	RECE	ES	SED
SOURCE:	1DL2		AMF	PS:		100)			PANEL A	AIC:	10	0,000				TYPE:	BOL1	T-C	ON
LOCATION:			MAI	N:		МС	В			CALC S	CC:	2,	847				APPROX. DIM:	20" V	٧x	5.75" D x 35" H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ		A			В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
SPARE				1	20	1	0		0					2						
SPARE				1	20	3				0	0			4	50	3				SPARE
SPARE				1	20	5						0	0	6						
SPARE				1	20	7	0							8		1				SPACE
SPARE				1	20	9				0				10		1				SPACE
SPARE				1	20	11						0		12		1				SPACE
SPARE				1	20	13	0							14		1				SPACE
SPARE				1	20	15				0				16		1				SPACE
SPARE				1	20	17						0		18		1				SPACE
SPARE				1	20	19	0							20		1				SPACE
SPARE				1	20	21				0				22		1				SPACE
SPARE				1	20	23						0		24		1				SPACE
SPARE				1	20	25	0							26		1				SPACE
SPARE				1	20	27				0				28		1				SPACE
SPARE				1	20	29						0		30		1				SPACE
SPARE				1	20	31	0							32		1				SPACE
SPARE				1	20	33				0				34		1				SPACE
SPARE				1	20	35						0		36		1				SPACE
SPARE				1	20	37	0							38		1				SPACE
SPARE				1	20	39				0				40		1				SPACE
SPARE				1	20	41						0		42		1				SPACE
								O VA	١	0	VA		0 VA							
								0 A		0	Α		0 A							
Load Classification					Co	onnec	ted Lo				and Fact	or	Estima	ted Der	nand			Pan	el .	Totals
																	CONNECTE	D LOAD	0	VA
																	DEMAN		-	
																Δ١	/G. CONNECTED CL		+	
																			+	
																	AVG. DEMAND CL	JKKENI	I) A

PANEL ID:	1VI	_4	VO	LTA	AGE:	208	3Y/120	•	SERVICE	EQUIP	: No					MOUNTING:	RECE	SSED
SOURCE:	1DL2		AN	IPS:	:	100)	F	PANEL A	NC:	10,0	000				TYPE:	BOLT	-ON
LOCATION:	VEND	OOR 3	103 MA	IN:		MC	В	(CALC SC	CC:	2,6	35				APPROX. DIM:	20" W	x 5.75" D x 35" H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L	BKR	СКТ	,	A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N D D LOAD
SPARE				1	20	1	0	0					2					
SPARE				1	_	3			0	0			4	50	3	<u></u>		SPARE
SPARE				1	20	5					0	0	6					
SPARE				1		7	0						8		1			SPACE
SPARE				1	20	9			0				10		1			SPACE
SPARE				1	20	11					0		12		1			SPACE
SPARE				1	20	13	0						14		1			SPACE
SPARE				1		15			0				16		1			SPACE
SPARE				1		17					0		18		1			SPACE
SPARE				1	_	19	0						20		1			SPACE
SPARE				1		21			0				22		1			SPACE
SPARE				1		23					0		24		1			SPACE
SPARE				1		25	0						26		1			SPACE
SPARE				1		27			0				28		1			SPACE
SPARE				1		29					0		30		1			SPACE
SPARE				1		31	0						32		1			SPACE
SPARE				1	_	33	0		0				34	-	1	<u></u>		SPACE
SPARE				1		35			0		0		36		1			SPACE
SPARE				1	_	37	0				0		38		1			SPACE
SPARE				_			U								1			
				1	_	39			0				40		+ +			SPACE
SPARE				1	20	41	•	\/A		\/A	0	\ \/A	42		1			SPACE
								VA A		VA A		VA A						
Load Classification					Co	nnec	ted Load	d	Dem	and Facto	or l	Estimate	ed Den	nand			Pane	l Totals
																CONNECTE	D LOAD	0 VA
																	ID LOAD	
															AV	G. CONNECTED C		
																AVG. DEMAND C	URRENT	0 Δ
																, O. = =		

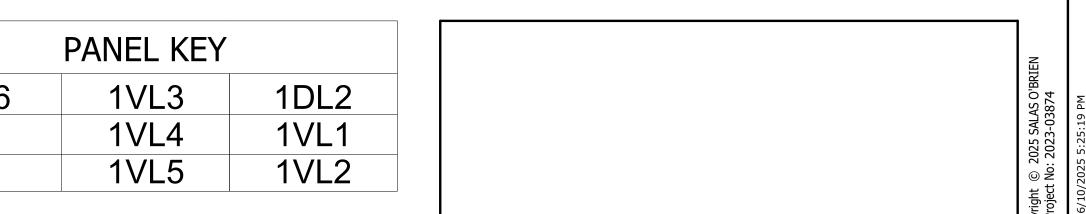
PANEL ID:	1VL	_5		VOL1	AGE	208	3Y/120	S	ERVICE	EQUIP:	No					MOUNTING:	RECE	SSED
SOURCE:	1DL2			AMPS	S :	100)	Р	ANEL A	NC:	10,0	000				TYPE:	BOL	T-ON
LOCATION:	BAR	STORA	AGE 106	MAIN	:	MC	В	С	ALC SC	C:	2,4	10				APPROX. DIM:	20" V	/ x 5.75" D x 35" H
LOAD	N O T E	COND	Phase, Neu, Size	Grd	P O BKI	RCKT		A		В	(С	СКТ	BKR	P O L E	Phase, Neu, Grd Size		N O T E
SPARE					1 20	1	0	0					2					
SPARE					1 20	_			0	0			4	50	3			SPARE
SPARE					1 20	5					0	0	6					
SPARE					1 20	7	0						8		1			SPACE
SPARE					1 20				0				10		1			SPACE
SPARE					1 20						0		12		1			SPACE
SPARE					1 20		0						14		1			SPACE
SPARE					1 20				0				16		1			SPACE
SPARE					1 20						0		18		1			SPACE
SPARE					1 20	_	0						20		1			SPACE
SPARE					1 20	_			0				22		1			SPACE
SPARE					1 20	_					0		24		1			SPACE
SPARE					1 20		0				-		26		1			SPACE
SPARE					1 20	_			0				28		1			SPACE
SPARE					1 20						0		30		1			SPACE
SPARE					1 20		0						32		1			SPACE
SPARE					1 20				0				34		1			SPACE
SPARE					1 20	_					0		36		1			SPACE
SPARE					1 20		0						38		1			SPACE
SPARE					1 20				0				40		1			SPACE
SPARE					1 20						0		42		1			SPACE
51 7 4 NE					. 20	-T1	n	VA	0	VA		VA	72		' '	·-		J1 / (OL
								A		A		A						
Load Classification					С	onnec	ted Load		1	and Factor	. Е	Estimate	d Den	nand			Pan	el Totals
															+	CONNECTE	ΤΑΟ Ι Ο	0 VA
																	ID LOAD	
															-			
															A'	VG. CONNECTED C		
																AVG. DEMAND C	JRREN1	「 0 A

ELECTRICAL 12 Phase, Ne Size 2 3-#1, 1-#1	u, Grd , 1-#8	IN: P O L E	BKF	MC R CKT	В		PANEL A			,000 ,166 C	СКТ	BKR	P	TYPE: APPROX. DIM: Phase, Neu, Grd	32"	W 2	
Phase, Ne Size 2 3-#1, 1-#1	u, Grd , 1-#8	P O L E	BKF	CKT					11	<u> </u>	СКТ	BKR	P			N	
Size 2 3-#1, 1-#1	, 1-#8	O L E	BKF	1		A		В		С	СКТ	BKR	P 0	Phase, Neu, Grd	CONI	N	
		3	100										E	Size	CON	T E	LOAD
		3	100		0	0					2						
2 3-#1, 1-#1	, 1-#8	_					0	0			4	100	3	3-#1, 1-#1, 1-#8	2		1VL4
2 3-#1, 1-#1	, 1-#8			5					0	0	6						
2 3-#1, 1-#1	, 1-#8			7	0	0					8						
		3	100	-			0	0			10	100	3	3-#1, 1-#1, 1-#8	2		1VL5
				11					0	0	12						
				13	0	0					14						
2 3-#1, 1-#1	, 1-#8	3	100				0	0			16	100	3	3-#1, 1-#1, 1-#8	2		1VL6
									0	0							
		_	_														SPACE
		_										_					SPACE
		_											1				SPACE
						0											
		_						0				30	3	3-#10, 1-#10, 1-#10	3/4		SPD
		1		29							30						
													_				
			С	onnec	ted Loa	ıd	Dem	and Fact	or	Estimate	d Den	nand			Pa	nel	Totals
				0 '	VA			0.00%		0	VA						
														CONNECTE	D LOA	۱D	0 VA
														DEMAN	D LOA	٩D	0 VA
													A	VG. CONNECTED CI	JRREN	NΤ	0 A
													+			-	
																	• • • • • • • • • • • • • • • • • • • •
	 	 	1 1 1 1	1 1 1 1 1	1 21 1 23 1 25 1 27 1 29	1 19 21 21 1 23 1 25 1 27 1 29	1 19 1 21 1 23 1 25 0 1 27 1 29 OVA 0 A Connected Load	1 19	1 19	1 19	1 19	1 19 20 1 21 22 1 23 24 1 25 0 26 1 27 0 0 28 1 29 0 OA OA OA OA Connected Load Demand Factor Estimated Der	1 19 22 22 24 25 0 28 30 1 27 0 0 30 0 A 0 A 0 A 0 A Connected Load Demand Factor Estimated Demand	1 19 20 1 1 21 22 1 1 23 0 24 1 1 25 0 0 26 1 27 0 28 30 3 1 29 0 A OVA	1 19 20 1 22 1 24 1 24 1 24 1 24 1 24 1 24 1 24 1 24 1 26 1 25 0 0 0 28 30 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 0 30 3 3 3-#10, 1-#10, 1-#10 3 3 3-#10, 1-#10, 1-#10 3 3 3 3-#10, 1-#10, 1-#10 3 3 3 3-#10, 1-#10, 1-#10 3 3 3 3-#10, 1-#10, 1-#10 3 3 3 3-#10, 1-#10, 1-#10 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1 - 19 21 21 22 - 1	1 19 22 1

PANEL ID:	1VL1	V	OLTAGE:	208	SY/120	\$	SERVICE	EQUIP:	No					MOUNTING:	REC	ES	SED
SOURCE:	1DL2	Al	MPS:	100)	F	PANEL A	IC:	10,0	00				TYPE:	BOL	T-C	ON
LOCATION:	DINING 100	M	AIN:	МС	В	(CALC SC	C:	3,39	4				APPROX. DIM:	20" \	W >	x 5.75" D x 35" H
LOAD	N O T E	Phase, Neu, Gro Size	P O L E	скт		A	E	3	(;	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
SPARE			1 20	1	0	0					2						
SPARE			1 20	3			0	0			4	50	3				SPARE
SPARE			1 20	5					0	0	6						
SPARE			1 20	7	0						8		1				SPACE
SPARE			1 20	9			0				10		1				SPACE
SPARE			1 20	11					0		12		1				SPACE
SPARE			1 20	13	0						14		1				SPACE
SPARE			1 20	15			0				16		1				SPACE
SPARE			1 20	17					0		18		1				SPACE
SPARE			1 20	19	0						20		1				SPACE
SPARE			1 20	21			0				22		1				SPACE
SPARE			1 20	23					0		24		1				SPACE
SPARE			1 20	25	0						26		1				SPACE
SPARE			1 20	27			0				28		1				SPACE
SPARE			1 20	29					0		30		1				SPACE
SPARE			1 20	31	0						32		1				SPACE
SPARE			1 20	33			0				34		1				SPACE
SPARE			1 20	35					0		36		1				SPACE
SPARE			1 20	37	0						38		1				SPACE
SPARE			1 20	39			0				40		1				SPACE
SPARE			1 20	41					0		42		1				SPACE
					0	VA	0 '	/A	٥ ٧	/A							
					0) A	0	Α	0	Α							
Load Classification			Co	nnec	ted Loa	d	Dem	and Factor	E	stimate	d Dem	nand			Pa	nel '	Totals
														CONNECTE			
														DEMAN	D LOA	D () VA
													A۱	VG. CONNECTED C	JRREN	IT) A
														AVG. DEMAND C	JRREN	IT () A

PANEL ID:	1VL2	VOI	LTAGE:	208	3Y/120	5	SERVICE	E EQUIP:	No					MOUNTING:	REC	ES	SED
SOURCE:	1DL2	AM	PS:	100)	F	PANEL A	NC:	10,0	000				TYPE:	BOL	T-C	ON
LOCATION:	VENDOR 1	101 MA	IN:	МС	В	C	CALC SO	CC:	3,09	96				APPROX. DIM:	20" \	W >	c 5.75" D x 35" H
LOAD	N O T E	Phase, Neu, Grd Size	P O L E	скт	,	A	1	В	(C	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
SPARE			1 20	1	0	0					2						
SPARE			1 20	3			0	0			4	50	3				SPARE
SPARE			1 20	5					0	0	6						
SPARE			1 20	7	0						8		1				SPACE
SPARE			1 20	9			0				10		1				SPACE
SPARE			1 20	11					0		12		1				SPACE
SPARE			1 20	13	0						14		1				SPACE
SPARE			1 20	15			0				16		1				SPACE
SPARE			1 20	17					0		18		1				SPACE
SPARE			1 20	19	0						20		1				SPACE
SPARE			1 20	21			0				22		1				SPACE
SPARE			1 20	23					0		24		1				SPACE
SPARE			1 20	25	0						26		1				SPACE
SPARE			1 20	27			0				28		1				SPACE
SPARE			1 20	29					0		30		1				SPACE
SPARE			1 20	31	0						32		1				SPACE
SPARE			1 20	33			0				34		1				SPACE
SPARE			1 20	35					0		36		1				SPACE
SPARE			1 20	37	0						38		1				SPACE
SPARE			1 20	39			0				40		1				SPACE
SPARE			1 20	41					0		42		1				SPACE
					0 '	VA	0	VA	0 '	VA	-						1
						Α		Α		Α							
Load Classification			Co	nnec	ted Load	t	Dem	and Factor		Stimate	d Den	nand			Pai	nel	Totals
														CONNECTE	D LOA	D) VA
														DEMAN	D LOA	D) VA
													A۱	/G. CONNECTED C	JRREN	IT () A
														AVG. DEMAND CU	JRREN	IT () A

	PANEL KEY	
1VL6	1VL3	1DL2
	1VL4	1VL1
	1VL5	1VL2



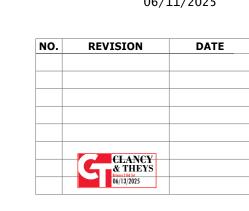


1100 Dresser Court Raleigh, NC 27609 **Office** 919.828.2301 Email office@hh-arch.com

Salas O'Brien

Salas O'Brien North Carolina, Inc. 702 Oberlin Road, Suite 300 Raleigh, NC 27605 919-832-8118 salasobrien.com

license (NC): F-1434



JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

PANEL SCHEDULES -VENDOR

PANEL ID:	1V	L12	V	OLT.	AGE:	208	8Y/120	;	SERVICE	EQUIF	: No					MOUNTING:	RECE	ESSED
SOURCE:	1DL3	3	Α	MPS	3:	100)	ı	PANEL A	NC:	10,	000				TYPE:	BOL	r-on
LOCATION:	FAIR	VEND	OR 11 120 M	IAIN:	l	MC	В		CALC SC	CC:	6,5	27				APPROX. DIM:	20" V	/ x 5.75" D x 35" H
LOAD	N C T E	COND	Phase, Neu, Gr Size	L	DAD	скт	A	A		3		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size		N O T LOAD
REF FAIR VENDOR 12 121	1	3/4	1-#12, 1-#12, 1-#	‡12 ²	1 20	1	1000	3367					2					
REF FAIR VENDOR 12 121	1		1-#12, 1-#12, 1-#		1 20	3			1000	3367			4	50	3	3-#6, 1-#6, 1-#10	1	1 OVEN FAIR VENDOR 12 121
FRYER FAIR VENDOR 12 12	1 1	3/4	1-#12, 1-#12, 1-#		1 20	5					1000	3367	6					
REF FAIR VENDOR 12 121	1	3/4	1-#12, 1-#12, 1-#		1 20	7	1000						8		1			SPACE
REF FAIR VENDOR 12 121	1	ı	1-#12, 1-#12, 1-#	_	1 20	9			1000				10		1			SPACE
PT OF SALE FAIR VENDOR	121		1-#12, 1-#12, 1-#	‡12 <i>1</i>	1 20	11					180		12		1			SPACE
REC FAIR VENDOR 12 121		3/4	1-#12, 1-#12, 1-#	‡12 <i>1</i>	1 20	13	360						14		1			SPACE
REC FAIR VENDOR 12 121	1		1-#12, 1-#12, 1-#	‡12 <i>1</i>	1 20	15			1000				16		1			SPACE
HOOD FAIR VENDOR 12 121		3/4	1-#12, 1-#12, 1-#	‡12 ⁻	1 20	17					500		18		1			SPACE
HOOD FAIR VENDOR 12 121			1-#12, 1-#12, 1-#		1 20	19	500						20		1			SPACE
HOOD FAIR VENDOR 12 121			1-#12, 1-#12, 1-#	‡12 <i>′</i>	1 20	21			500				22		1			SPACE
		0/4				23					1123		24		1			SPACE
ACU-10 121	2	2 3/4	2-#12, 1-#12, 1-#	‡12 2	2 20	25	1123						26		1			SPACE
HOOD CONTACTOR CT12		3/4	1-#12, 1-#12, 1-#	‡12 <i>′</i>	1 20	27			200				28		1			SPACE
WINDOW OPERATOR 121		3/4	1-#12, 1-#12, 1-#	‡12 <i>1</i>	1 20	29					200		30		1			SPACE
SPARE					1 20	31	0						32		1			SPACE
SPARE					1 20	33			0				34		1			SPACE
SPARE				-	1 20	35					0		36		1			SPACE
SPARE				-	1 20	37	0						38		1			SPACE
SPARE				•	1 20	39			0				40		1			SPACE
SPARE				-	1 20	41					0		42		1			SPACE
				·			7350 62			7 VA		70 VA 3 A						
_oad Classification					Co	nnec	ted Load			and Fact		Estimate	d Den	nand			Pan	el Totals
Power						394	6 VA		1	00.00%		394	6 VA					
REC						1684	10 VA		-	79.69%		1342	20 VA			CONNECTE	D LOAD	20786 VA
																DEMAN	ID LOAD	17366 VA
															A۱	/G. CONNECTED C	URRENT	58 A
																AVG. DEMAND C	IDDENI	18 A

1. PROVIDE GFI CIRCUIT BREAKER.
2. CONFIRM NEUTRAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER. OMIT NEUTRAL IF UNNEEDED FOR SUPPLY OF 120V LOAD.

PANEL ID:	1V	L9	V	OLT	AGE:	208	3Y/120	\$	SERVICE	EQUIP:	No					MOUNTING:	REC	ESSED
SOURCE:	1DL:	3	A	MPS	S :	100)	F	PANEL A	NC:	10,0	000				TYPE:	BOL	T-ON
LOCATION:	FAIR	R VEND	OR 10 119 M	AIN	:	MC	В	(CALC SC	CC:	5,5	10				APPROX. DIM:	20" V	V x 5.75" D x 35" H
LOAD	-	N O T COND	Phase, Neu, Gr Size	d (P D BKF	СКТ		A	E	В	(С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E
REF FAIR VENDOR 9 118		1 3/4	1-#12, 1-#12, 1-#	12	1 20	1	1000	3367					2					
REF FAIR VENDOR 9 118		1	1-#12, 1-#12, 1-#	12	1 20	3			1000	3367			4	50	3	3-#6, 1-#6, 1-#10	1	1 OVEN FAIR VENDOR 9 118
FRYER FAIR VENDOR 9 118		1 3/4	1-#12, 1-#12, 1-#	12	1 20	5					1000	3367	6					
REF FAIR VENDOR 9 118		1 3/4	1-#12, 1-#12, 1-#	12	1 20	7	1000						8		1			SPACE
EF FAIR VENDOR 9 118		1	1-#12, 1-#12, 1-#	12	1 20	9			1000				10		1			SPACE
T OF SALE FAIR VENDOR	118		1-#12, 1-#12, 1-#	12	1 20	11					180		12		1			SPACE
REC FAIR VENDOR 9 118		3/4	1-#12, 1-#12, 1-#	12	1 20	13	360						14		1			SPACE
REF FAIR VENDOR 9 118		1	1-#12, 1-#12, 1-#	12	1 20	15			1000				16		1			SPACE
HOOD FAIR VENDOR 9 118		3/4	1-#12, 1-#12, 1-#	12	1 20	17					500		18		1			SPACE
HOOD FAIR VENDOR 9 118			1-#12, 1-#12, 1-#	12	1 20	19	500						20		1			SPACE
HOOD FAIR VENDOR 9 118			1-#12, 1-#12, 1-#	12	1 20	21			500				22		1			SPACE
0117440		0 0/4	0 1140 4 1140 4 11	40	0 00	23					1123		24		1			SPACE
CU-7 118	2	2 3/4	2-#12, 1-#12, 1-#	12	2 20	25	1123						26		1			SPACE
HOOD CONTACTOR CT9		3/4	1-#12, 1-#12, 1-#	12	1 20	27			200				28		1			SPACE
VINDOW OPERATOR 118		3/4	1-#12, 1-#12, 1-#	12	1 20	29					200		30		1			SPACE
SPARE					1 20	31	0						32		1			SPACE
SPARE					1 20	33			0				34		1			SPACE
SPARE					1 20	35					0		36		1			SPACE
SPARE					1 20	37	0						38		1			SPACE
SPARE					1 20	39			0				40		1			SPACE
SPARE					1 20	41					0		42		1			SPACE
							735	0 VA	7067	7 VA	637	0 VA		-			-	
							62	2 A	60) A	53	3 A						
oad Classification					C	onnec	ted Load	d	Dem	and Facto	r E	Estimate	d Den	nand			Par	el Totals
ower of the state						394	6 VA		1	00.00%		394	6 VA					
REC							10 VA			79.69%			20 VA			CONNECTE	ED L OA	20786 VA
ALO .						100-	+0 VA		-	7 3.03 70		1042	20 VA					D 17366 VA
				+														
				_											A	VG. CONNECTED C		
																AVG. DEMAND C	URREN	T 48 A

PANEL ID:	1DL						3Y/120			EQUIP						MOUNTING:	Surfac	
SOURCE:	X-1DL	.3	AM	IPS	:	400)	Р	ANEL A	AIC:	22,	000				TYPE:	DISTR	IBUTION
LOCATION:	MAIN	ELEC	TRICAL 128 MA	JN:		MC	В	С	ALC S	CC:	11,	166				APPROX. DIM:	32" W	x 8.25" D x 73" H
LOAD	N O T E	COND	Phase, Neu, Grd Size	F C L	BKR	СКТ		A		В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	LOAD
						1	0	7350					2					
1VL7		2	3-#1, 1-#1, 1-#8	3	100				0	7067			4	100	3	3-#1, 1-#1, 1-#8	2	1VL10
						5					0	6370	6					
						7	0	7350					8					
1VL8		2	3-#1, 1-#1, 1-#8	3	100	-			0	7067			10	100	3	3-#1, 1-#1, 1-#8	2	1VL11
						11					0	6370	12					
		_				13	7350	7350					14					
1VL9		2	3-#1, 1-#1, 1-#8	3	100	_			7067	7067	0070	0070	16	100	3	3-#1, 1-#1, 1-#8	2	1VL12
SDACE .						17					6370	6370	18		4			CDACE
SPACE SPACE				1		19 21							20		1			SPACE SPACE
SPACE				' 1		23									1			SPACE
SPACE SPACE				 1	_	25		0					24		1			SPACE
SPACE SPACE				<u>'</u> 1		27		U		0			28	30	2	3-#10, 1-#10, 1-#10	3/4	SPD
SPACE				<u>'</u>		29				0		0	30	- 30		3-#10, 1-#10, 1-#10	3/4	OI D
OI AOL						2.5	2939	99 VA	2826	67 VA		79 VA	30					
								19 A		9 A		12 A						
Load Classification					Co	onnec	ted Loa	d	Dem	and Facto	or	Estimate	d Der	nand			Panel	Totals
Power						157	36 VA		1	00.00%		157	86 VA					
REC							60 VA			57.42%			80 VA			CONNECTE	D I OAD	83146 VA
ILLO						0,0	30 171			01.4270		000	00 171					54466 VA
															۸۱	VG. CONNECTED CL		
																AVG. DEMAND CU		

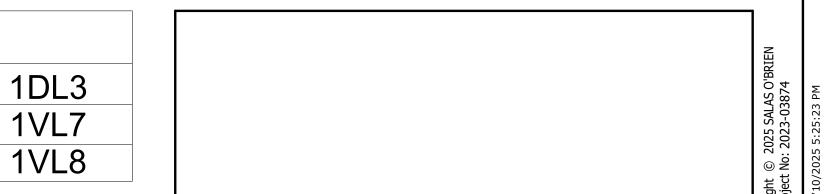
L3		А	MPS:		100)	Р	ANEL A	AIC:	10.0	000				TYPE:	BOL	T-C	N
		N	IAIN:		МС	В	c	ALC SO	CC:						APPROX. DIM:			
N O T E	COND	Phase, Neu, Gr Size		BKR	СКТ	,	A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
1	3/4	1-#12, 1-#12, 1-#	1 12 1	20	1	1000	3367					2						
1		1-#12, 1-#12, 1-#	1 12 1	20	3			1000	3367			4	50	3	3-#6, 1-#6, 1-#10	1	1	OVEN FAIR VENDOR 10 11
1	3/4	1-#12, 1-#12, 1-#	1 12 1	20	5					1000	3367	6						
1	3/4	1-#12, 1-#12, 1-#	1 12 1	20	7	1000						8		1				SPACE
1		1-#12, 1-#12, 1-#	1 12 1	20	9			1000				10		1				SPACE
		1-#12, 1-#12, 1-#	1 12 1	20	11					180		12		1			-	SPACE
	3/4	1-#12, 1-#12, 1-#	1 12 1	20	13	360						14					_	SPACE
1		1-#12, 1-#12, 1-#	1 12 1	20	15			1000				16		1				SPACE
	3/4	1-#12, 1-#12, 1-#	1 12 1	20	17					500		18		1			\rightarrow	SPACE
		1-#12, 1-#12, 1-#	1 12 1	20	19	500						20		1				SPACE
		1-#12, 1-#12, 1-#	1 12 1	20	21			500				22		-			_	SPACE
2	3/4	2-#12, 1-#12, 1-#	/ 12 2	20	23	1123				1123		24		-	<u></u>		-	SPACE SPACE
	3/4	1_#12 1_#12 1_#	±12 1	20	_	1120		200									-	SPACE
				_				200		200		-					-	SPACE
					-	0				200							-	SPACE
								0									_	SPACE
					35					0		36					-	SPACE
				_		0								1			-	SPACE
			1					0						1			-	SPACE
			1		41					0				1				SPACE
						735	0 VA	706	7 VA	637	'0 VA							
						62	2 A	60) A	5	3 A							
				Co	nnec	ted Load	d	Dem	and Fac	tor I	Estimate	d Den	and			Pan	el T	otals
					394	6 VA		1	00.00%		394	6 VA						
					1684	IO VA			79.69%		1342	20 VA			CONNECTE	D LOAI	D 2	0786 VA
															DEMAN	ID LOA	D 1	7366 VA
														A۱	VG. CONNECTED C	URREN	T 5	8 A
															AVG. DEMAND C	URREN ⁻	Т 4	8 A
	N O T E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N O T COND E 1 3/4 1 1 3/4 1 3/4 1 3/4 1 3/4 1 3/4 2 3/4 3/4 3/4	NOTE COND Phase, Neu, Grave Size 1 3/4 1-#12, 1-#12, 1-# 1 1-#12, 1-#12, 1-# 1 3/4 1-#12, 1-#12, 1-# 1 3/4 1-#12, 1-#12, 1-# 1 1-#12, 1-#12, 1-# 1 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 2 3/4 2-#12, 1-#12, 1-# 2 3/4 2-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-#	MAIN: NOTE COND Phase, Neu, Grd Size Size Size	MAIN: NOTE COND Phase, Neu, Grd Size Size BKR 1 3/4	MAIN: MC COND Phase, Neu, Grd Size Size BKR CKT	MAIN: MCB NOTE COND Phase, Neu, Grd Size E BKR CKT 1 3/4 1-#12, 1-#12, 1-#12 1 20 1 1000 1 1-#12, 1-#12, 1-#12 1 20 3 3 1 3/4 1-#12, 1-#12, 1-#12 1 20 5 1 3/4 1-#12, 1-#12, 1-#12 1 20 5 5 1 3/4 1-#12, 1-#12, 1-#12 1 20 7 1000 1 1-#12, 1-#12, 1-#12 1 20 9 9 1-#12, 1-#12, 1-#12 1 20 11 3/4 1-#12, 1-#12 1 20 11 3/4 1-#12, 1-#12 1 20 15 3/4 1-#12, 1-#12, 1-#12 1 20 15 3/4 1-#12, 1-#12, 1-#12 1 20 17 1-#12, 1-#12, 1-#12 1 20 19 500 1 1-#12, 1-#12, 1-#12 1 20 21 23 25 1123 2 3/4 2-#12, 1-#12, 1-#12 1 20 29 27 3/4 1-#12, 1-#12, 1-#12 1 20 29 29 1 20 31 0 31 0 31 0 1 20 37 0 39 39 39 39 39 39 39	MAIN: MCB COND Phase, Neu, Grd Size P O L E E CKT A	MAIN: MCB CALC SO	MAIN: MCB CALC SCC:	MAIN: MCB CALC SCC: 5,5	MAIN: MCB CALC SCC: 5,510 N	Name	Name	MAIN: MCB CALC SCC: 5,510 APPROX. DIM: 20" W x x No			

PANEL ID:	1V	Ľ	7	V	OLT	AG	E:	208	Y/120	S	ERVIC	E EQUIF	: No	•				MOUNTING:	RECE	SSED
SOURCE:	1DL:	3		A	MPS	:		100		P	ANEL	AIC:	10	,000				TYPE:	BOL	-ON
LOCATION:	VEN	DC	OR 6	108 N	/IAIN			MCI	В	C	ALC S	CC:	5,5	510				APPROX. DIM:	20" V	x 5.75" D x 35" H
LOAD	9	N O T E	COND	Phase, Neu, G Size	rd (D BI	KR (СКТ		A		В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T LOAD
SPARE						1 2	20	1	0	0					2					
SPARE							20	3			0	0			4	50	3			SPARE
SPARE						_	20	5					0	0	6					
SPARE					_		20	7	0						8		1			SPACE
SPARE							20	9			0				10		1			SPACE
SPARE		\top					_	11					0		12		1			SPACE
SPARE						_	_	13	0						14		1			SPACE
SPARE					_		20	15			0				16		1			SPACE
SPARE							_	17					0		18		1			SPACE
SPARE		\top						19	0						20		1			SPACE
SPARE		\top					_	21			0				22		1			SPACE
SPARE						_	_	23					0		24		1			SPACE
SPARE							_	25	0						26		1			SPACE
SPARE								27			0				28		1			SPACE
SPARE		\top					_	29					0		30		1			SPACE
SPARE							_	31	0						32		1			SPACE
SPARE								33			0				34		1			SPACE
SPARE						1 2	20	35					0		36		1			SPACE
SPARE						1 2	20	37	0						38		1			SPACE
SPARE						1 2	20	39			0				40		1			SPACE
SPARE						1 2	20	41					0		42		1			SPACE
									0	VA	0	VA	C) VA						
									0	Α	() A		0 A						
Load Classification							Cor	nnect	ed Loa	d	Den	nand Fact	or	Estimate	d Den	and			Pan	el Totals
																		CONNECTE	D LOAD	0 VA
																		DEMAN		
																	^,	VG. CONNECTED C		
																	_ A			
																		AVG. DEMAND C	JRRENT	0 A

1DL3		A	MPS	:	100)	Р	ANEL A	NC:	10,	000			TYPE:	BOL	T-C	DN
FAIR	VEND	OR 11 120 N	IAIN:		MC	В	С	ALC SO	CC:	6,8	43			APPROX. DIM:	20" V	N x	5.75" D x 35" H
O	COND	Phase, Neu, G Size	d C	BKR	СКТ	,	4	I	В		С	СКТ	BKR POL	Phase, Neu, Grd Size	COND	N O T E	LOAD
1	3/4	1-#12, 1-#12, 1-#	12 1	20	1	1000	3367					2					
1		1-#12, 1-#12, 1-#	12 1	20	3			1000	3367			4	50 3	3-#6, 1-#6, 1-#10	1	1	OVEN FAIR VENDOR 11 120
0 1		1-#12, 1-#12, 1-#	12 1	20	5					1000	3367	6					
1	3/4	1-#12, 1-#12, 1-#	12 1	20	7	1000						8	1				SPACE
1		1-#12, 1-#12, 1-#	12 1	20	9			1000				10	1				SPACE
120		1-#12, 1-#12, 1-#	12 1	20	11					180		12	1				SPACE
	3/4		_	_	13	360						14	1				SPACE
1					15			1000				16	1				SPACE
)	3/4	, ,			17					500		18	1				SPACE
)		1-#12, 1-#12, 1-#	12 1	20	19	500						20	1				SPACE
)		1-#12, 1-#12, 1-#	12 1	20	21			500				22	1				SPACE
	0/4	0 1140 4 1140 4 1	40 6		23					1123		24	1				SPACE
2	3/4	2-#12, 1-#12, 1-#	F12 2	2 20	25	1123						26	1				SPACE
	3/4	1-#12, 1-#12, 1-#	12 1	20	27			200				28	1				SPACE
	3/4	1-#12, 1-#12, 1-#	12 1	20	29					200		30	1				SPACE
			1	20	31	0						32	1				SPACE
			1	20	33			0				34	1				SPACE
			1	20	35					0		36	1				SPACE
			1	20	37	0						38	1				SPACE
			1	20	39			0				40	1				SPACE
			1	20	41					0		42	1				SPACE
				Co	nnec	ted Load	t	Dem	and Fact	or	Estimate	d Den	nand		Par	nel :	Totals
					394	6 VA		1	00.00%		394	6 VA					
					1684	10 VA			79.69%		1342	20 VA		CONNECTE	D LOA	D 2	0786 VA
														DEMAN	D LOA	D 1	7366 VA
													А	VG. CONNECTED C	JRREN	T 5	8 A
													AVG. DEMAND C	IRRFN	т /	8 Λ	
	1DL3 FAIR	N O COND E	TAIR VENDOR 11 120 M O COND Phase, Neu, Gr Size 1 3/4 1-#12, 1-#12, 1-# 1 1-#12, 1-#12, 1-# 1 3/4 1-#12, 1-#12, 1-# 1 3/4 1-#12, 1-#12, 1-# 1 3/4 1-#12, 1-#12, 1-# 1 1-#12, 1-#12, 1-# 1 3/4 1-#12, 1-#12, 1-# 1 1-#12, 1-#12, 1-# 2 3/4 1-#12, 1-#12, 1-# 2 3/4 2-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-# 3/4 1-#12, 1-#12, 1-#	AMPS FAIR VENDOR 11 120 MAIN: N O T E	AMPS: FAIR VENDOR 11 120 MAIN: NOTE CONDET Phase, Neu, Grd Size Pour E	TOL3 AMPS: 100 FAIR VENDOR 11 120 MAIN: MC N	AMPS: 100 FAIR VENDOR 11 120 MAIN: MCB N	AMPS: 100 PASE, Neu, Grd Size BKR CKT A 1 3/4 1-#12, 1-#12, 1-#12 20 1 1000 3367 1 1-#12, 1-#12, 1-#12 20 3 3 0 1 1-#12, 1-#12, 1-#12 20 5 1 3/4 1-#12, 1-#12, 1-#12 20 5 3 1 1-#12, 1-#12, 1-#12 20 7 1000 1 1-#12, 1-#12, 1-#12 20 9 1 1-#12, 1-#12, 1-#12 20 11 3/4 1-#12, 1-#12, 1-#12 20 11 3/4 1-#12, 1-#12, 1-#12 20 11 3/4 1-#12, 1-#12, 1-#12 20 13 360 1 1-#12, 1-#12, 1-#12 20 15 3/4 1-#12, 1-#12, 1-#12 20 15 3/4 1-#12, 1-#12, 1-#12 20 17 3/4 1-#12, 1-#12, 1-#12 20 19 500 0 1-#12, 1-#12, 1-#12 20 21 3/4 2-#12, 1-#12, 1-#12 20 27 3/4 3/4 1-#12, 1-#12 20 29 3/4 3/4 1-#12, 1-#12, 1-#12 20 29 3/4 3/4 1-#12, 1-#12, 1-#12 20 29 3/4 3/4 1-#12, 1-#12, 1-#12 20 29 3/4 3/4 1-#12, 1-#12, 1-#12 20 37 0 1- 1- 1- 1- 1- 1-	AMPS: 100 PANEL A FAIR VENDOR 11 120 MAIN: MCB CALC SO O COND Phase, Neu, Grd Size 1 3/4 1.#12, 1.#12, 1.#12 1 20 1 1000 3367 1 1.#12, 1.#12, 1.#12 1 20 3 1000 0 1 1.#12, 1.#12, 1.#12 1 20 5 1 3/4 1.#12, 1.#12, 1.#12 1 20 9 1000 120 1.#12, 1.#12, 1.#12 1 20 11 3/4 1.#12, 1.#12, 1.#12 1 20 11 3/4 1.#12, 1.#12, 1.#12 1 20 11 3/4 1.#12, 1.#12, 1.#12 1 20 13 360 1 1.#12, 1.#12, 1.#12 1 20 15 1000 1 1.#12, 1.#12, 1.#12 1 20 15 1000 2 3/4 1.#12, 1.#12, 1.#12 1 20 17 0 1.#12, 1.#12, 1.#12 1 20 17 0 1.#12, 1.#12, 1.#12 1 20 17 0 1.#12, 1.#12, 1.#12 1 20 17 0 1.#12, 1.#12, 1.#12 1 20 21 3/4 2.#12, 1.#12, 1.#12 1 20 21 3/4 1.#12, 1.#12, 1.#12 1 20 27 3/4 1.#12, 1.#12, 1.#12 1 20 29 2 3/4 2.#12, 1.#12, 1.#12 1 20 29 3/4 1.#12, 1.#12, 1.#12 1 20 29 3/4 1.#12, 1.#12, 1.#12 1 20 29 3/4 1.#12, 1.#12, 1.#12 1 20 29 1.#12, 1.#12, 1.#12 1 20 33 0 1.#12, 1.#12, 1.#12 1 20 39 1.#12, 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12 1.#12, 1.#12, 1.#12	TODL3 AMPS: 100 PANEL AIC: FAIR VENDOR 11 120 MAIN: MCB CALC SCC: N O T COND Phase, Neu, Grd Size E BKR CKT E E BKR CKT E BKR CKT	AMPS: 100 PANEL AIC: 10, FAIR VENDOR 11 120 MAIN: MCB CALC SCC: 6,8 N	Total Tota	The content of the	The content of the	Type	Type: Bolt Typ	TOL3 AMPS: 100 PANEL AIC: 10,000 TYPE: BOLT-C APPROX. DIM: 20" W x APPROX. DIM: 20"

PANEL ID:	1V	L8	\	VOLT	AGE	: 208	3Y/120		SERVIC	E EQUIP:	No					MOUNTING:	REC	ES	SED
SOURCE:	1DL	3	4	AMPS	i :	100)		PANEL .	AIC:	10,	000				TYPE:	BOL	.T-(ON
LOCATION:	VEN	DOR	7 109 N	MAIN	:	MC	В		CALC S	CC:	5,7	33				APPROX. DIM:	20"	W	x 5.75" D x 35" H
LOAD	9	N O T COI	Phase, Neu, G Size	3rd (BK	R CKT		Α		В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	CONE	N O T E	LOAD
SPARE					1 20	1	0	0					2						
SPARE					1 20	3			0	0			4	50	3				SPARE
SPARE					1 20	5					0	0	6						
SPARE					1 20	7	0						8		1				SPACE
SPARE					1 20	9			0				10		1				SPACE
SPARE					1 20	11					0		12		1				SPACE
SPARE					1 20	13	0						14		1				SPACE
SPARE					1 20				0				16		1				SPACE
SPARE					1 20						0		18		1				SPACE
SPARE					1 20		0						20		1				SPACE
SPARE					1 20				0				22		1				SPACE
SPARE					1 20						0		24		1				SPACE
SPARE					1 20		0						26		1				SPACE
SPARE					1 20				0				28		1				SPACE
SPARE					1 20						0		30		1				SPACE
SPARE					1 20	_	0						32		1				SPACE
SPARE					1 20				0				34		1				SPACE
SPARE					1 20						0		36		1				SPACE
SPARE		T			1 20	_	0						38		1				SPACE
SPARE		T			1 20				0				40		1				SPACE
SPARE					1 20						0		42		1				SPACE
					.) VA	0	VA		VA							
								0 A		ΟA		Α (
Load Classification					С	onnec	ted Lo	ad	Den	nand Factor	ı	Estimate	d Dem	and			Pa	nel	Totals
																CONNECTE	DIO	<u> </u>	0.1/4
																		-	
																DEMAN		_	
															A۱	VG. CONNECTED C	JRREN	IT	0 A
									1						1	AVG. DEMAND CI	IDDEL		

	PANEL KEY	
1VL12	1VL9	1DL3
	1VL10	1VL7
	1VL11	1VL8



ARCHITECTURE

1100 Dresser Court
Raleigh, NC 27609

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Salas O'Brien

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Raleigh, NC 27605
919-832-8118
salasobrien.com

license (NC): F-1434

AGROONDS - MIDWAY CENTER ILTURE & CONSUMER SERVICES

> CAROL OF ESSION FOR SEAL 039503

NO. REVISION DATE

CLANCY
& THEYS

Monthly March 1997

Monthly Monthly March 1997

Monthly Monthly

JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

PANEL
SCHEDULES VENDOR

PANEL ID:	P6		VOL	TA	GE:	208	Y/120	S	ERVICE	EQUIP	: No					MOUNTING:	RACK	
OURCE:	1DL5	;	AMP	S:		225	5	P	ANEL A	IC:	10,0	000				TYPE:	BOLT	ON - NEMA 3R
OCATION:	SITE		MAII	N:		MC	В	С	ALC SC	C:	7,86	66				APPROX. DIM:	20"W	X 5.75"D X 50"H
OAD	N C T E	COND	Phase, Neu, Grd Size	P O L E	BKR	скт	,	A	E	3	(С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND .	LOAD
						1	2400						2		1			SPACE
EC		-1	1-#8, 1-#8, 1-#10	3	50	3			2400				4		1			SPACE
						5					2400		6		1			SPACE
						7	1440						8		1			SPACE
REC		3/4	1-#10, 1-#10, 1-#10	3	30	9			1440				10		1			SPACE
						11					1440		12		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12			13	500						14		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12	_		15			500				16		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12	_		17					500		18		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12			19	500						20		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12		20	21			500				22		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12		20	23					500		24		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1	20	25	500						26		1			SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1		27			500				28		1			SPACE
PARE				1	20	29					0		30		1			SPACE
							5340		5340			0 VA						
							45		45) A						
oad Classification					Co	nnec	ted Load	l	Dema	and Facto	or E	Estimate	d Den	nand			Pane	l Totals
pare						1552	20 VA		1	00.00%		1552	20 VA					
																CONNECTE	D LOAD	15520 VA
																DEMAN	ID LOAD	15520 VA
															A۱	/G. CONNECTED C	URRENT	43 A
																AVG. DEMAND C		
																AVG. DEMIAND C	UKKENI	43 A

PANEL ID:	P3		VOL	ΤA	AGE:	208	3Y/120	5	SERVICE	EQUI	P: No)				MOUNTING:	RACK	
SOURCE:	1DL4		AMP	S:		225	5	F	PANEL A	NC:	10	,000				TYPE:	BOLT	ON - NEMA 3R
LOCATION:	SITE		MAII	N:		MC	В	(CALC SC	CC:	4,	140				APPROX. DIM:	20"W	X 5.75"D X 50"H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ		A	E	3		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T LOAD E
						1	2400						2		1			SPACE
REC	1	1	1-#8, 1-#8, 1-#10	3	50	3			2400				4		1			SPACE
			, ,			5					2400)	6		1			SPACE
						7	1440						8		1			SPACE
REC	1	3/4	1-#10, 1-#10, 1-#10	3	30	9			1440				10		1			SPACE
						11					1440)	12		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12			13	500						14		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12		20	15			500				16		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	17					500		18		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	19	500						20		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	21			500				22		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	23					500		24		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	25	500						26		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	27			500				28		1			SPACE
SPARE				1	20	29					0		30		1			SPACE
								0 VA		0 VA		340 VA						
							45	5 A	45	5 A		40 A						
Load Classification					Co	onnec	ted Load	d	Dem	and Fac	tor	Estimat	ed Der	nand			Pane	el Totals
Spare						1552	20 VA		1	00.00%		15	520 VA					
•																CONNECTE	D LOAD	15520 VA
																DEMAN	ID LOAD	15520 VA
															A۱	/G. CONNECTED C		
																AVG. DEMAND C	IRRENT	43 A

SOURCE:	1DL4		AMP	5 :		225	•	-	PANEL A	IC:	10,0	UU			TYPE:	BOLI	ON - NEMA 3R
LOCATION:	SITE		MAIN	N :		MC	В	C	CALC SC	C:	4,42	:3			APPROX. DIM:	20"W	X 5.75"D X 50"H
LOAD	N O T E	CONE	Phase, Neu, Grd Size	P O L E	BKR	СКТ	,	4	E	3	(;	СКТ	BKR [Phase, Neu, Grd Size	COND	N O T LOAD
						1	2400						2	'			SPACE
REC	1	1	1-#8, 1-#8, 1-#10	3	50	3			2400				4	/			SPACE
						5					2400		6	/			SPACE
						7	1440						8	'			SPACE
REC	1	3/4	1-#10, 1-#10, 1-#10	3	30	9			1440				10	/			SPACE
						11					1440		12	/			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	13	500						14	'			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	15			500				16	'			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	17					500		18	'			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	19	500						20	'			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	21			500				22	'			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	23					500		24	'			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	25	500						26	'			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	27			500				28	'			SPACE
SPARE				1	20	29					500		30	'			SPACE
								VA A	5340 45			VA A					
Load Classification					Co	nnec	ted Load			and Facto		stimate	d Den	nand		Pane	el Totals
Spare						1602	20 VA		10	00.00%		1602	20 VA				
- r-··-							***								CONNECTE	D LOAD	16020 VA
																	16020 VA
NOTES:															5. 52 4.0		
NOTES: 1. SEE PANEL RACK MOI	JNTING D	ETAIL	FOR RECEPTACLE C	ON	IFIGU	RATIO	ON ON S	HEET E	302.						AVG. CONNECTED C AVG. DEMAND C		

PANEL ID:	P7	7	٧	OLTA	AGE:	208	Y/120	S	ERVICE	E EQUIP:	No					MOUNTING:	RACK	(
SOURCE:	1DL	.5	A	MPS:		225	5	P	ANEL A	AIC:	10,0	000				TYPE:	BOLT	ON - NEN	/IA 3R
LOCATION:	SIT	E	N	IAIN:		МС	В	C	CALC SO	CC:	5,37	73				APPROX. DIM:	20"W	X 5.75"D	X 50"H
LOAD		N O T E	Phase, Neu, G Size	rd O	BKR	скт	,	A	I	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	
						1	2400						2		1			SPACE	
REC		1	1-#8, 1-#8, 1-#	10 3	50	3			2400				4		1			SPACE	
						5					2400		6		1			SPACE	
						7	1440						8		1			SPACE	
REC		3/4	1-#10, 1-#10, 1-	#10 3	30	9			1440				10		1			SPACE	
						11					1440		12		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-	[‡] 12 1	20	13	500						14		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-			15			500				16		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-	[‡] 12 1	20	17					500		18		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-			19	500						20		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-	[‡] 12 1	20	21			500				22		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-	[#] 12 1	20	23					500		24		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-	[‡] 12 1	20	25	500						26		1			SPACE	
REC		3/4	1-#12, 1-#12, 1-	[‡] 12 1	20	27			500				28		1			SPACE	
SPARE				1	20	29					0		30		1			SPACE	
								0 VA		0 VA		0 VA							
							45	5 A	45	5 A	40) A							
Load Classification					Co	onnec	ted Load	b	Dem	and Facto	r E	Estimate	d Den	nand			Pan	el Totals	
Spare						1552	20 VA		1	100.00%		155	20 VA						
																CONNECTE	D LOAD	15520 VA	
																DEMAN	D LOAD	15520 VA	
															Δ'	VG. CONNECTED CL			
															_^				
NOTES:																AVG. DEMAND CU	JKKENI	43 A	

P	1	VOL	.TA	GE:	208	8Y/120	5	SERVICE	EQUIF	: No					MOUNTING:	RAC	K	
1DL	_5	AMI	PS:		22	5	F	PANEL A	AIC:	10,0	000				TYPE:	BOL	T C	ON - NEMA 3R
SIT	E	MAI	N:		MC	В	C	CALC SC	CC:	4,60	05				APPROX. DIM:	20"W	VΧ	5.75"D X 50"H
	N O T E	Phase, Neu, Grd Size	O L	BKR	СКТ		A	ı	В	ı	С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
					1	2400						2		1				SPACE
	1	1-#8, 1-#8, 1-#10	3	50	3			2400				4		1				SPACE
					5					2400		6		1				SPACE
					7	1440						8		1			_	SPACE
	3/4	1-#10, 1-#10, 1-#10	3	30	9			1440				10		1			_	SPACE
					11					1440		12		1			_	SPACE
	3/4			_	13	500						14		1			_	SPACE
				_	15			500				16		1				SPACE
				_	17					500		18		1				SPACE
	3/4	1-#12, 1-#12, 1-#12	1	20	_	500						20		1				SPACE
				20	21			500				22		1				SPACE
	3/4	1-#12, 1-#12, 1-#12	1							500		24		1				SPACE
	3/4	1-#12, 1-#12, 1-#12	1	20	_	500						26		1				SPACE
	3/4	1-#12, 1-#12, 1-#12	1	20	27			500				28		1				SPACE
			1	20	29					0		30		1				SPACE
				Co	nnec	ted Load	d	Dem	and Fact	or I	Estimate	d Den	nand			Pan	nel T	Totals
					155	20 VA		1	00.00%		155	20 VA						
															CONNECTE	D LOAI	D 1	5520 VA
															DEMAN	D LOAI	D 1	5520 VA
														A۱	VG. CONNECTED CL	JRREN	T 4	13 A
								+							AVG. DEMAND CL			
	1DI	1DL5 SITE N O T COND E	AMF SITE MAI N O T E 1 1-#8, 1-#8, 1-#10 3/4 1-#10, 1-#10, 1-#10 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12 1-#12, 1-#12, 1-#12 3/4 1-#12, 1-#12, 1-#12, 1-#12	AMPS: SITE MAIN: Phase, Neu, Grd Size 1 1-#8, 1-#8, 1-#10 3 3/4 1-#10, 1-#10, 1-#10 3 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1 3/4 1-#12, 1-#12, 1-#12 1	AMPS: SITE MAIN: NOTE Phase, Neu, Grd Size Pour Phase, Neu, Grd Phase, Neu, Grd	AMPS: 223 SITE MAIN: MC NOTE COND Phase, Neu, Grd Size P BKR CKT 1 1-#8, 1-#8, 1-#10 3 50 1 3 50 1 3 5 5 5 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AMPS: 225 SITE MAIN: MCB NOTE Phase, Neu, Grd Size Passes, Neu, Grd Si	AMPS: 225 F SITE MAIN: MCB NOTE Phase, Neu, Grd Size POTE POTE	AMPS: 225 PANEL A SITE MAIN: MCB CALC SC NOTE Phase, Neu, Grd Size Panel Pan	1DL5 MAIN: MCB CALC SCC: MAIN: MCB CALC SCC: N O COND Phase, Neu, Grd Size E BKR CKT A B	TIDL5 AMPS: 225 PANEL AIC: 10,0 SITE MAIN: MCB CALC SCC: 4,60 Phase, Neu, Grd Size 1 1-#8, 1-#8, 1-#10 3 50 3 2400 2400 3/4 1-#10, 1-#10, 1-#10 3 30 9 1440 2400 3/4 1-#12, 1-#12, 1-#12 1 20 13 500 2400 3/4 1-#12, 1-#12, 1-#12 1 20 15 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 17 500 3/4 1-#12, 1-#12, 1-#12 1 20 17 500 3/4 1-#12, 1-#12, 1-#12 1 20 21 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 21 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 21 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 21 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 21 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 21 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 21 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 27 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 29 500 3400 3/4 1-#12, 1-#12, 1-#12 1 20 29 500 34000 5340 VA 484 45 A 45 A 44	NO COND Phase, Neu, Grd Size BKR CKT A B C C C C C C C C C	NOTE MAIN: MCB CALC SCC: 4,605	NOTE MAIN: MCB CALC SCC: 4,605 COND Phase, Neu, Grd Size E BKR CKT A B C CKT BKR CKT Size Size	N COND Phase, Neu, Grd Size Siz	Type: Site Main: MCB CALC SCC: 4,605 APPROX. DIM:	Type	Type: Bolt C

PANEL ID:	P2		VO	_TA	GE:	208	3Y/120	SE	RVICE	EQUII	P: No					MOUNTING:	RAC	K
SOURCE:	1DL4		AM	PS:		225	5	PA	NEL A	IC:	10,0	000				TYPE:	BOL	T ON - NEMA 3R
LOCATION:	SITE		MA	N:		MC	В	CA	LC SC	C:	2,37	74				APPROX. DIM:	20"V	V X 5.75"D X 50"H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ	Α		E	3	(C	СКТ	BKR	P O L E	Phase, Neu, Grd Size	CONE	N O T LOAD
						1	2400	-					2		1			SPACE
REC	1	1	1-#8, 1-#8, 1-#10	3	50	3			2400				4		1			SPACE
						5					2400		6		1			SPACE
						7	1440						8		1			SPACE
REC	1	3/4	1-#10, 1-#10, 1-#10	3	30	9			1440				10		1			SPACE
						11					1440		12		1			SPACE
REC		3/4	1-#12, 1-#12, 1-#12				500						14		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12			_			500				16		1			SPACE
REC	1		1-#12, 1-#12, 1-#12			17					500		18		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12			19	500						20		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12			21			500				22		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	23					500		24		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	. 1	20	25	500						26		1			SPACE
REC	1	3/4	1-#12, 1-#12, 1-#12	1		27			500				28		1			SPACE
SPARE				1	20	29					0		30		1			SPACE
							5340 VA	A	5340) VA	4840	O VA						
							45 A		45	Α	40) A						
Load Classification					Co	onnec	ted Load		Dema	and Fac	tor E	stimate	ed Den	nand			Pa	nel Totals
Spare						1552	20 VA		1	00.00%		155	20 VA					
																CONNECTE	D LOA	D 15520 VA
																DEMAN	D LOA	D 15520 VA
															A۱	/G. CONNECTED C	JRREN	T 43 A
																AVG. DEMAND C	JRREN	T 43 A

1D	L4	VOL	TA	GE:	208	Y/120	5	SERVICE	EQUIF	: No	•				MOUNTING:	Surfa	ace
X-1D	L4	AMF	PS:		400)	F	PANEL A	NC:	22	,000				TYPE:	DIST	RIBUTION
MAIN	ELEC	TRICAL 128 MAI	N:		МС	В	(CALC SO	CC:	11,	,166				APPROX. DIM:	32" V	V x 8.25" D x 73" H
C	COND	Phase, Neu, Grd Size	P O L E	BKR	скт	ı	4	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size		N O T E
					1	5340						2		1			SPACE
	2-1/2	3-#4/0, 1-#4/0, 1-#4	3	225	3			5340				4		1			SPACE
					5					5340		6		1			SPACE
					7	5340						8		1			SPACE
	2-1/2	3-#4/0, 1-#4/0, 1-#4	3	225	9			5340				10		1			SPACE
					11					4840		12		1			SPACE
					13	5340						14		1			SPACE
	2-1/2	3-#4/0, 1-#4/0, 1-#4	3	225	15			5340				16		1			SPACE
					17					4840		18		1			SPACE
			1		19							20		1			SPACE
			1		21							22		1			SPACE
			1		23							24		1			SPACE
			1		25		0					26					
			1		27				0			28	30	3	1-#10, 1-#10, 1-#10	3/4	SPD
			1		29						0	30					
				Co	nnec	ted Load	t	Dem	and Fact	or	Estimate	ed Den	nand			Pan	el Totals
					4706	60 VA		1	00.00%		470	60 VA					
															CONNECTE	D LOAD	47060 VA
															DEMAN	D LOAD	47060 VA
														A	VG. CONNECTED CL	JRREN	T 131 A
															AVG. DEMAND CU	IDDENI	T 121 A
	X-1DI MAIN N O T	X-1DL4 MAIN ELEC N O T COND 2-1/2 2-1/2 2-1/2	X-1DL4 AMF MAIN ELECTRICAL 128 MAI N O T E	X-1DL4 AMPS: MAIN ELECTRICAL 128 MAIN: NOTE COND Phase, Neu, Grd Size POLE	X-1DL4 AMPS: MAIN ELECTRICAL 128 MAIN: NOTE COND Phase, Neu, Grd Size D L E	X-1DL4 AMPS: 400 MAIN ELECTRICAL 128 MAIN: MC N O T E	X-1DL4 AMPS: 400 MAIN ELECTRICAL 128 MAIN: MCB NO COND Phase, Neu, Grd Size P BKR CKT E 5340	X-1DL4 AMPS: 400 F MAIN ELECTRICAL 128 MAIN: MCB O T COND Phase, Neu, Grd Size 2-1/2 3-#4/0, 1-#4/0, 1-#4 3 225	X-1DL4 AMPS: 400 PANEL A MAIN ELECTRICAL 128 MAIN: MCB CALC SC NO COND Phase, Neu, Grd Size BKR CKT A	X-1DL4 AMPS: 400 PANEL AIC: MAIN ELECTRICAL 128 MAIN: MCB CALC SCC: NO COND Phase, Neu, Grd Size D L E BKR CKT A B	X-1DL4 AMPS: 400 PANEL AIC: 22 MAIN ELECTRICAL 128 MAIN: MCB CALC SCC: 11 N	X-1DL4 AMPS: 400 PANEL AIC: 22,000 MAIN ELECTRICAL 128 MAIN: MCB COND Phase, Neu, Grd Size BKR CKT A B C 2-1/2 3-#4/0, 1-#4/0, 1.#4 3 225	X-1DL4 AMPS: 400 PANEL AIC: 22,000 MAIN ELECTRICAL 128 MAIN: MCB CALC SCC: 11,166 N	X-1DL4 AMPS: 400 PANEL AIC: 22,000 MAIN ELECTRICAL 128 MAIN: MCB CALC SCC: 11,166 N O COND Phase, Neu, Grd Size E BKR CKT A B C CKT BKR	X-1DL4 AMPS: 400 PANEL AIC: 22,000 MAIN ELECTRICAL 128 MAIN: MCB CALC SCC: 11,166 NOTE Phase, Neu, Grd Size Siz	Name Name	Name Name

PANEL ID:	P5		VOL	.TA	GE:	208	BY/120		SERVICE	EQUIP	No					MOUNTING:	RAC	K	
SOURCE:	1DL5	;	AMF	PS:		22	5		PANEL A	AIC:	10,	000				TYPE:	BOL	тс	ON - NEMA 3R
LOCATION:	SITE		MAI	N:		MC	В		CALC SO	CC:	6,4	49				APPROX. DIM:	20"V	٧x	5.75"D X 50"H
LOAD	N C T	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ		A		В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
						1	2400						2		1		-		SPACE
EC		1	1-#8, 1-#8, 1-#10	3	50	3			2400				4		1				SPACE
			.,			5					2400		6		1				SPACE
				T		7	1440						8		1				SPACE
EC		3/4	1-#10, 1-#10, 1-#10	3	30	9			1440				10		1				SPACE
			,			11					1440		12		1				SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1	20	13	500	-					14		1		-		SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1	20	15			500				16		1				SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1	20	17					500		18		1				SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1	20	19	500						20		1				SPACE
REC		3/4	1-#12, 1-#12, 1-#12	1	20	21			500				22		1				SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1	20	23					500		24		1				SPACE
EC		3/4	1-#12, 1-#12, 1-#12	1	20	25	500						26		1				SPACE
REC		3/4	1-#12, 1-#12, 1-#12	1	20	27			500				28		1				SPACE
PARE				1	20	29					0		30		1				SPACE
							534	0 VA	534	0 VA	484	10 VA		•					
							45	5 A	4	5 A	4	0 A							
oad Classification					Co	nnec	ted Load	d	Dem	and Facto	r	Estimate	d Der	nand			Par	nel T	Totals
pare						155	20 VA		1	00.00%		1552	20 VA						
																CONNECTE	D LOA	D 1	15520 VA
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															A۱	VG. CONNECTED C	URREN	T 4	13 A
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PANEL ID:	1DL	_			E:		Y/120		SERVICE							MOUNTING:	RAC	
SOURCE:	UTILI	TY	AMF	PS:		600		P	PANEL A	IC:	42,0	000				TYPE:	DIST	RIBUTION - NEMA 3R
LOCATION:	SITE		MAI	N:		MCE	В	C	CALC SC	C:	21,	530				APPROX. DIM:	32"W	/ X 8.25"D X 73"H
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ	A	4	E	3		С	СКТ	BKR	POLE	Phase, Neu, Grd Size	COND	N O T E
						1	5340						2		1			SPACE
P4		2-1/2	3-#4/0, 1-#4/0, 1-#4	3 2	225	3			5340				4		1			SPACE
					Ī	5					4840		6		1			SPACE
						7	5340						8		1			SPACE
P5		2-1/2	3-#4/0, 1-#4/0, 1-#4	3 2	225	9			5340				10		1			SPACE
						11					4840		12		1			SPACE
						13	5340						14		1			SPACE
P6		2-1/2	3-#4/0, 1-#4/0, 1-#4	3 2	225	15			5340				16		1			SPACE
						17					4840		18		1			SPACE
						19	5340						20		1			SPACE
27		2-1/2	3-#4/0, 1-#4/0, 1-#4	3 2	225	21			5340				22		1			SPACE
						23					4840		24		1			SPACE
						25	0						26		1			SPACE
SPARE				3 2	225	27			0				28		1			SPACE
						29					0		30		1			SPACE
						31	0						32		1			SPACE
SPARE				3 2	225	33			0				34		1			SPACE
						35					0		36		1			SPACE
SPACE				1		37		0					38					
SPACE						39				0			40	30	3	1-#10, 1-#10, 1-#10	3/4	SPD
SPACE				1		41						0	42					
							2136		2136			60 VA						
							18	1 A	18′	I A	16	1 A						
Load Classification					Co	nnecte	ed Load	l	Dema	and Fac	tor E	Estimate	d Den	nand			Par	el Totals
Spare						62080	0 VA		1	00.00%		6208	80 VA					
																CONNECTE	D LOA	D 62080 VA
																DEMAN	D LOA	D 62080 VA
															A	VG. CONNECTED C		
															+	AVG. DEMAND CI		

	PANEL KEY		
P7	P4	P1	
P8	P5	P2	
1DL4	P6	1DL5	



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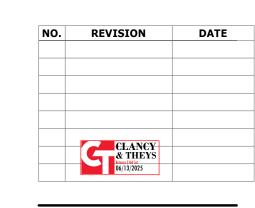
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SEAL 039503



JOB NUMBER
23-013

DATE ISSUED
06/12/2025

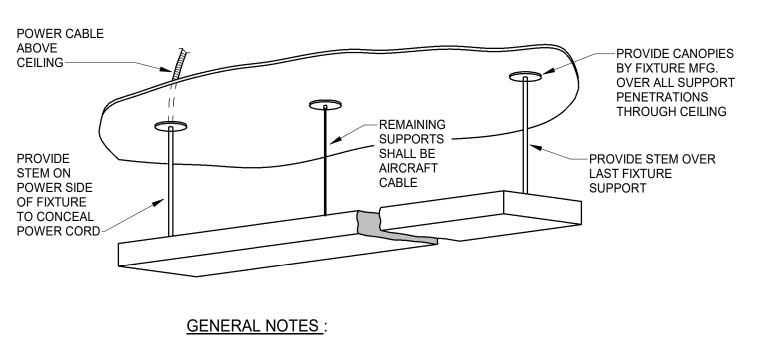
PROJECT STATUS
BID SET

PANEL
SCHEDULES SITE PANELS

						LIG	HTIN	G FIXTURE	SCHED	ULE			
YPE IARK	DESCRIPTION	MOUNTING	COLOR	LUMENS	VOLTAGE	WATTAGE	CONTRO	DL FINISH	DIMENSIONS	FIXTURE MEETING SPECIFICATION	SHIELDING TYPE	COMMENTS	IMA
	SURFACE MOUNT LED CYLINDER WITH CONDUIT FEED CANOPY	SURFACE	3000	2500	120/277	23 VA	0-10V	CUSTOM FINISH AS SELECTED BY ARCHITECT	4.5" DIA x 7" H	3G LIGHTING: 3G-SDZ45R-7H-25-S80-30K-40D-UNV-DIM-(CUSTOM)-WLV INTENSE LIGHTING: GC4DR-S DMF-DC4 INTEGER PRIME RPA4	40-DEGREE		
	4.5" APERTURE LED CYLINDER PENDANT	PENDANT	3000	2500	120/277	23 VA	0-10V	BLACK	4.5" DIA x 7" H	3G LIGHTING: 3G-PDZ45R-7H-25-S80-30K-40D-UNV-DIM-(CUSTOM)-BLV INTENSE LIGHTING: GC4DR DMF-DC4 INTEGER PRIME RPA4	40-DEGREE		£
	4.5" APERTURE LED CYLINDER PENDANT	PENDANT	3000	3000	120/277	29 VA	0-10V	CUSTOM FINISH AS SELECTED BY ARCHITECT	4.5" DIA x 7" H	3G LIGHTING: 3G-PDZ45R-11H-30-S80-30K-40D-UNV-DIM-(CUSTOM)-BLV INTENSE LIGHTING: GC4DR DMF-DC4 INTEGER PRIME RPA4	40-DEGREE		
	4.5" APERTURE LED CYLINDER PENDANT	PENDANT	3000	2500	120/277	23 VA	0-10V	WHITE	4.5" DIA x 7" H	3G LIGHTING: 3G-PDZ45R-7H-25-S80-30K-40D-UNV-DIM-(CUSTOM)-BLV INTENSE LIGHTING: GC4DR DMF-DC4 INTEGER PRIME RPA4	40-DEGREE		
	SURFACE MOUNT LED CYLINDER WITH CONDUIT FEED CANOPY	SURFACE	3000	2500	120/277	23 VA	0-10V	WHITE	4.5" DIA x 7" H	3G LIGHTING: 3G-SDZ45R-7H-25-S80-30K-40D-UNV-DIM-WHITE-WLV GOTHAM LIGHTING USAI LIGHTING	40-DEGREE		
	LED COVE LIGHTING	SURFACE IN COVE	3000	564	120/277	5 VA	0-10V	WHITE	1 1/4" W x .86" H	SOLID STATE LUMINAIRES: MC 1 3K CRI80 120 KELVIX: 006-I-X-DX-30K-UNV ARCHLIT: LCOV-301X-A	120-DEGREE		
	2X2 LAY-IN LED TROFFER WITH ACRYLIC CENTER LENS WITH INTEGRAL LINEAR PRISMS	RECESSED, GRID LAY-IN	3000	3800	277	28 VA	0-10V	WHITE	24" x 24" x 3" D	TRAXON CLP COVE PLUS DAY-BRITE: 2DSRT3050LCS-2-UNV-DIM LEDALUX: CB22 TGS: WT22	CURVED SHIELDING		
	2X4 LAY-IN LED TROFFER WITH ACRYLIC CENTER LENS WITH INTEGRAL LINEAR PRISMS	RECESSED, GRID LAY-IN	3000	5150	277	39 VA	0-10V	WHITE	24" W x 48" L x 3" D	JADEMAR JPTR DAY-BRITE: 2DSRT4060LCS-4-UNV-DIM LEDALUX: CB24 TGS: WT24	CURVED SHIELDING		
	LED LINEAR STRIP	PENDANT	3000	4000	277	28 VA	0-10V	WHITE	3 3/4" W x 48" L x 3 3/4" D	JADEMAR JPTR ALPHALITE: ILL-4L ELITE: 4-OC4 HE WILLIAMS: 75S COLUMBIA: MPS LEDALUX: SL DAY-BRITE: SDS	ROUND DIFFUSED LENS		8
	DECORATIVE PENDANT LIGHT	PENDANT	3000	2000	120/277	26 VA	0-10V	FINISH AS SELECTED BY ARCHITECT	16" DIA WITH 36" STEM	JADEMAR: JSTRE BOCK LIGHTING: PIANETA-P-WH-16-GXX/LED/ST8F-360GXX/640-10MM-GXX/G UMBALLX24-GXX BETTER DESIGNED LIGHTING: CUSTOM PENDANT SAZERAC LIGHTING-GUMBALL PENDANT		CONFIRM STEM LENGTH WITH ARCHITECT	1
	ACOUSTIC SHADE LIGHT	PENDANT	3000	2500	120/277	40 VA	0-10V	FINISH AS SELECTED BY ARCHITECT	47.2" DIA x 47.2" H	BYIBA LIGHT: LL0112S-40W-AC 30K DIM RAL XL LIGHTART: ACC?-SHPE-CYLN-42D LOFFKO: CIRCUS CISESP120007			
	DECORATIVE PENDANT LIGHT	PENDANT	3000	1200	120/277	10 VA	0-10V	FINISH AS SELECTED BY ARCHITECT	12.25" H x 7.5" DIA	BYIBA: BY-255-CL-ML-K30-DIM MULLAN: CAIRO PENDANT LOLA LIGHTING: CLEISSIDRA PENDANT			
	DECORATIVE WALL SCONCE	SURFACE, WALL	3000	900	120	13 VA	0-10V	CUSTOM FINISH AS SELECTED BY ARCHITECT	10" DIA x 4" D	BETTER DESIGNED LIGHTING: 1153327 BOCK LIGHITNG:WALTER SLIM WALLSCONCE MULLAN: JUPITER COLORFUL DISK WALLSCONCE	FROSTED WHITE GLASS GLOBE		
	DECORATIVE PENDANT	CEILING, PENDANT	3000	900	120	6.5 VA	0-10V	FINISH AS SELECTED BY ARCHITECT	8.25" DIA x 2.75" H	MULLAN: MLCMP056SATBRSOP BOCK LIGHTING: ORBIS FIXTURE BETTER DESIGNED LIGHTING: CUSTOM PENDANT			S
	DECORATIVE WALL SCONCE - FIXED UPLIGHT POSITION	SURFACE, WALL	3000	300	120	40 VA	0-10V	FINISH AS SELECTED BY ARCHITECT	12" L x 9.25" H	MULLAN: MLWL237SATBRS BETTER DESIGNED LIGHTING: 1153086 SAL-SR-WB101	SATIN BRASS REFLECTOR, FIXED		3
	DECORATIVE JUG PENDANT	PENDANT	3000	2500	120	23 VA	0-10V	WHITE	6" DIA x 12.3" H x 33.6" L	BOCK LIGHTING: JUG0812S-CL		PROVIDE WHITE CORD CWH COLOR OPTION	
	DECORATIVE JUG PENDANT	PENDANT	3000	2500	120	23 VA	0-10V	WHITE	6" DIA x 12.3" H x 33.6" L	BOCK LIGHTING: JUG0812S-CL		PROVIDE BLACK/WHITE 1 CORD CCBW1 COLOR OPTION	
	DECORATIVE JUG PENDANT	PENDANT	3000	2500	120	23 VA	0-10V	WHITE	6" DIA x 12.3" H x 33.6" L	BOCK LIGHTING: JUG0812S-CL		PROVIDE BLACK/WHITE CROSS CCBW CORD COLOR OPTION	
	DECORATIVE LINEAR PENDANT	PENDANT	3000	6400	120/277	80 VA	0-10V	FINISH AS SELECTED BY	59" L x 11.8" H	CERCHIO LIGHTING: MS-003-03-101			

TYPE MARK M	DESCRIPTION CUSTOM DECORATIVE PENDANT	MOUNTING PENDANT	COLOR 3000	LUMENS 2700	VOLTAGE 120/277	WATTAGE 578 VA	CONTROL 0-10V	FINISH CUSTOM FINISH AS SELECTED BY ARCHITECT	DIMENSIONS 44' x 16' x 9'-8" H	FIXTURE MEETING SPECIFICATION YELLOW GOAT DESIGN: QUOTE #16482	SHIELDING TYPE	COMMENTS PROVIDE RGBW FIXTURE AS ALTERNATE	IMAG
										CERCHIO LIGHTING: GLACE CUSTOM CANOPY OCL: GLOWBALL CUSTOM CANOPY		BID	
I	DECORATIVE WALL SCONCE	SURFACE, WALL	3000	2700	120	8 VA	0-10V	CUSTOM FINISH AS SELECTED BY ARCHITECT	40" W x 23" H x 4" D	BETTER DESIGNED LIGHTING: 1153118 BOCK LIGHTING:NOVANTA CUSTOM LOLA LIGHTING: ARCH WALL LAMP	FROSTED WHITE GLASS GLOBE	PROVIDE 3" BULBS TO MAINTAIN 4" DEPTH OF FIXTURE	
)	LED TAPE LIGHT	SURFACE IN COVE	3000	631 LM/FT	120/277	4.8 VA/FT	0-10V			PURE EDGE LIGHTING: ST5A-PIN-24V-(LENGTH AS REQUIRED)-30D KELVIX: DV SERIES CONTECH: SPECFLEX		PROVIDE REMOTE 0-10V UNIVERSAL DIMMING POWER SUPPLIES AND NECESSARY PARTS FOR INSTALLATION.	
P4	RECESSED NARROW APERTURE LINEAR LED	RECESSED	3000	1600	120	3.4 VA/FT	0-10V	WHITE FRAME	2" W x 3 3/4" H x 48" L	OPTIC ARTS LL42 HE WILLIAMS: MX2R-X-X-LX/830-F FOCAL POINT SEEM 2 FINELITE: HP-2-R-D-X-X-830 LEDALITE 2301L930			
P6	RECESSED NARROW APERTURE LINEAR LED	RECESSED	3000	4800	277	6.7 VA/FT	0-10V	WHITE FRAME	2" W x 3 3/4" H x 72" L	MERCURY MLS2 HE WILLIAMS: MX2RG-6'00-L8/830-F FOCAL POINT SEEM 2 FINELITE: HP-2-R-D-X-X-830 LEDALITE 2301L930			
Q	ARCHITECTURAL WALL SCONCE -ADJUSTABLE DOWN LIGHT POSITION	SURFACE, WALL	3000	300	120	40 VA	0-10V	CUSTOM FINISH AS SELECTED BY ARCHITECT	12" L x 9.25" H	MERCURY MLS2 MULLAN: MLWL237SATBRS BETTER DESIGNED LIGHTING: 1180009 SAL-SR-WB101	SATIN BRASS REFLECTOR		
₹		SURFACE/SUSP	P 4000	4000	277	33W	0-10V		24" W x 48" L x 3" D	HE WILLIAMS: 96	FROSTED		
	LED	ENDED								MOBERN: VW LED ELITE: 4-OW1IP ILP: VVT SIGNIFY: DW BEGHELLI: BS100LED JADEMAR: JVTHB-SL	POLYCARBONA TE LENS		
SC	LED COVE LIGHTING	SURFACE IN COVE	4000	200LM/FT	120/277	1.7 VA/FT	0-10V		1 1/2" W x 1 1/2" H	KELVIX LIGHTING DIODE LED CONTECH: SPECFLEX OPTIC ARTS KLC			
ST	WALL BRACKET, SURFACE MOUNT LED	SURFACE	4000	4000	MVOLT	40W	0-10V	WHITE POLYESTER POWDER COAT	51" L x 4 3/4" W x 4" D	DAY-BRITE: FSS440L830-UNV-SDIM-SWZCS FINELITE: HPX-SM-D-4'-V-830-F-UNV-SC-OBO HE WILLIAMS: 75R-4-L50-830-OCCWS-FSP-311-LX-120/277-SD50 JADEMAR JSW	LINEAR FACETED REFRACTOR	FIXTURE DIMS TO APPROXIMATELY 50% LIGHT OUTPUT WHEN UNOCCUPIED	
SV	IN-GRADE UPLIGHT	RECESSED	3000	220	120/277	3 VA	0-10V	CUSTOM FINISH AS SELECTED BY ARCHITECT	2-1/4" DIA	ERCO: 39970.023 BINA: GOPHER BK LIGHTING: MINI MICRO RECESSED HK LIGHTING: ZXL08	SEALED GLASS	PROVIDE WITH REMOTE DRIVERS AS NECESSARY	G
Γ	2X2 LAY-IN LED FLAT PANEL	RECESSED, GRID LAY-IN	3000	3317	120/277	30 VA	0-10V	WHITE FRAME	24" x 24" x 2" D	ARCLUCE INGROUND55 HE WILLIAMS: BP DAY-BRITE: SBP TGS: 8822WS ERALUX ALPS EVOLVE	FLAT WHITE ACRYLIC LENS		
J	6" RECESSED DOWNLIGHT	RECESSED	3000	2200	120/277	18 VA	0-10V	WHITE	4.5" DIA x 5.75" H	3G LIGHTING: 3G-DZ45R 22-S80-30K-40D-UNV-DIM-WT-WLV-NC INTENSE LIGHTING: GD4DR METEOR: REV FLEX 4 INTEGER PRIME RPA6	40-DEGREE		C.
W1	ARCHITECTURAL WALL SCONCE	SURFACE	4000	1319	277	15 VA	PHOTOCELL	FINISH AS SELECTED BY ARCHITECT	8" W x 8" H x 2 9/16" D	PERFORMANCE IN LIGHTING: MIMIK 20M #071582 FLOS: CLIMBER DOWN 175 BROWNLEEE: BRICK OD			Ĺ
W2	ARCHITECTURAL STEP LIGHT	SURFACE	4000	372	120/277	8 VA	PHOTOCELL	FINISH AS SELECTED BY ARCHITECT	D	B-K LIGHTING: MINI YUKON - #MYK-I-LED-e191-1-SD-010- BETA CALCO: SCALA 8208712 COLE LIGHTING: 157 SERIES	MT	PROVIDE SATIN BRONZE FINISH	9
W3	ARCHITECTURAL WALL SCONCE DIRECT/INDIRECT	SURFACE	4000	653	277	10 VA	PHOTOCELL	FINISH AS SELECTED BY ARCHITECT	5" W x 5" H x 2 9/16" D	PERFORMANCE IN LIGHTING: MIMIK M10-B-10W-C/I3K-UNV-0-10V-L33 FLOS: CLIMBER UP & DOWN 175 INTER-LUX: SKIDFR			
N4	ARCHITECTURAL WALL SCONCE DIRECT	SURFACE	4000	645	277	10 VA	PHOTOCELL	FINISH AS SELECTED BY ARCHITECT	3 5/16" L x 2 1/2" W x 6 1/2" H	MIMIK 10 C/I		PROVIDE DOWNLIGHT ONLY	Ī
КВ	WALL MOUNT EMERGENCY LIGHTING UNIT	WALL	N/A	1100	120/277	5 VA	N/A	WHITE	13 1/2" L x 3 3/4" W x 6" H	LITHONIA: ELM6L CHLORIDE: CLU MULE: SQ-80 COMPASS: CU2			
(C	EDGE LIT EXIT SIGN	CEILING	N/A	N/A	277	5 VA	N/A	BRUSHED ALUMINUM	12 3/4" W x 12" H	CARPENTER: MU CHLORIDE: 44R SERIES BEGHELLI: CRV ISOLITE: UEL BARRON: EXITRONIX CH900X	RED LETTERS WITH MIRROR BACKING	PROVIDE SINGLE OR DOUBLE FACE AS INDICATED ON DRAWINGS. PROVIDE STEM KIT AS REQUIRED.	EX
KW	EDGE LIT EXIT SIGN	WALL	N/A	N/A	277	5 VA	N/A	BRUSHED ALUMINUM	12 3/4" W x 12" H	CARPENTER: FX CHLORIDE: 44R SERIES BEGHELLI: CRV ISOLITE: UEL BARRON: EXITRONIX CH900X	RED LETTERS WITH MIRROR BACKING		EX
ΚX	EXTERIOR RATED EXIT SIGN	WALL	N/A	N/A	277	5 VA	N/A	WHITE	14 3/4" W x 10" H x 3" D	CARPENTER: FX CHLORIDE: C4XE-R-W-1/2 BEGHELLI: PXA SERIES LITHONIA: LV CARPENTER T SERIES NEMA 4X	RED LETTERS		EX
XXW	EXTERIOR RATED EXIT SIGN	WALL	N/A	N/A	277	5 VA	N/A	WHITE	14 3/4" W x 10" H x 3" D	CHLORIDE: C4XE-R-W-1/2 BEGHELLI: PXA SERIES LITHONIA: LV CARPENTER T SERIES NEMA 4X	RED LETTERS	PROVIDE SINGLE FACE OR DOUBLE FACE AS INDICATED ON DRAWINGS.	<u>{E</u> }

LIGHTING FIXTURE SCHEDULE

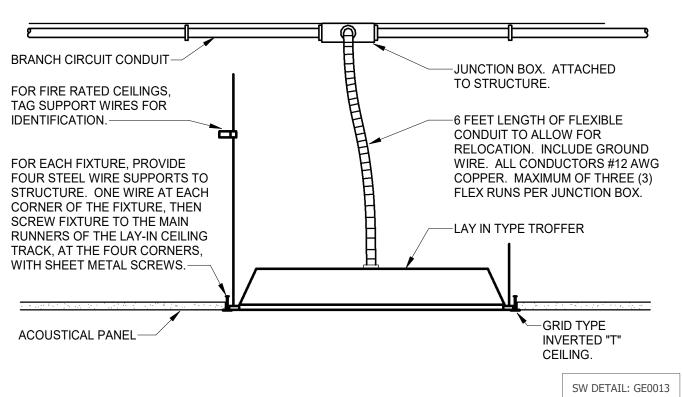


FIXTURE STYLE AND NUMBER OF REQUIRED SUPPORTS WILL VARY BY FIXTURE TYPE.

SO DETAIL: GE0022

2. REFER TO MANUFACTURER'S SUPPLIED MOUNTING INSTRUCTIONS FOR EXACT REQUIRMENTS.

2 TYPICAL LINEAR FIXTURE INSTALLATION

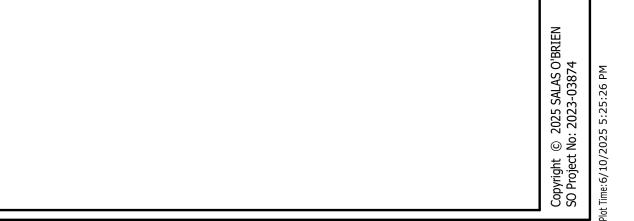


1 LIGHTING FIXTURE MOUNTING DETAIL

FIXTURE SCHEDULE NOTES:

- THIS FIXTURE SCHEDULE IDENTIFIES A FIXTURE THAT MEETS THE SPECIFIED PERFORMANCE REQUIREMENTS AND A LEVEL OF QUALITY REQUIRED FOR THE PROJECT. MANUFACTURER'S NAMES AND FIXTURE SERIES/MODELS IN SCHEDULE ARE NOT A BRAND NAME SPECIFICATION. EQUIVALENT FIXTURES BY MANUFACTURERS OTHER THAN THOSE LISTED MAY BE SUBMITTED FOR THIS PROJECT AND MUST BE REVIEWED BY ARCHITECT.
- PROVIDE LED DRIVERS SUITABLE FOR FULL RANGE DIMMING, INTEGRAL SURGE PROTECTION, CURRENT TOTAL HARMONIC DISTORTION (THD) OF <20% AND A POWER FACTOR >0.90. IN ADDITION, DRIVERS MUST BE RF SUPPRESSED FOR MINIMUM INJECTION OF FEEDBACK INTO SUPPLY LINES. MAXIMUM CURRENT THD AND MINIMUM POWER FACTOR MUST BE SUBMITTED AS A PART OF THE FIXTURE SUBMITTAL DATA.
- 3. UNLESS OTHERWISE INDICATED, PROVIDE SINGLE DRIVER PER FIXTURE.
- 4. PROVIDE MOUNTING FRAME AND RELATED ACCESSORIES FOR ALL FIXTURES AS REQUIRED TO MATCH CEILING CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT CEILING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR MODIFICATION OF FIXTURE SCHEDULE MANUFACTURER'S PART NUMBERS FOR PURPOSES OF MATCHING CEILING CONSTRUCTION.
- 5. PROVIDE DIMMING DRIVERS WHERE DIMMING CONTROLS ARE INDICATED ON THE PLANS.
- 6. ALL FIXTURES TO HAVE A COLOR TEMPERATURE OF 3000K UNLESS NOTED OTHERWISE.
- 7. UNLESS NOTED OTHERWISE, ALL FIXTURES SHALL INCLUDE INTEGRAL DRIVER. 8. ALL FIXTURES SHALL BE UL OR THIRD PARTY LISTED AS COMPLETE ASSEMBLY.
- 9. FOR LIGHT FIXTURES HAVING LINEAR VISUAL FEATURES (IE: CENTER BASKET, LOUVERS, ETC), COORDINATE AND ALIGN COMPONENTS IN A SIMILAR DIRECTION CONSISTENTLY ACROSS THE BUILDING SPACES.

SW DETAIL: IN0011 LED



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JOB NUMBER 23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

SHEET **LIGHTING FIXTURE SCHEDULE**

LIGHTING CONTROL SYSTEMS OPERATION NARRATIVE

OPERATIONS BY SPACE TYPE

CORRIDORS & COMMON SPACE CENTRALIZED AUTOMATIC CONTROL OF INTERIOR SPACES

DURING NORMAL HOURS OF OPERATION GENERAL CORRIDOR, COMMON SPACE AND OPEN OFFICE SPACES LIGHTING SHALL BE ENERGIZED. NORMAL HOURS OF OPERATION SHALL BE DETERMINED BY THE OWNER AND ARE DESIGNATED AT THE BAS. AFTER NORMAL HOURS OF OPERATION, GENERAL LIGHTING WILL BE DEACTIVATED. TIMED OVERRIDE SWITCHES EACH FLOOR, AS SHOWN ON THE FLOOR PLANS, SHALL PROVIDE A 'TIMED-ON' CONDITION FOR THE ASSOCIATED LIGHTING CONTROL GROUP ON THE FLOOR. FLOOR OVERRIDE SHALL ALLOW NORMAL OPERATION OF LIGHTING ON THAT FLOOR FOR THE TIME SPECIFIED BY THE OVERRIDE SWITCH. THE LENGTH OF TIME IS SET FOR 2 HOURS. COMPONENTS:

LIGHTING RELAY PANEL IS PROVIDED TO AUTOMATICALLY CONTROL COMMON SPACE LIGHTING. PANEL SHALL BE 120/277V RATED FOR LED LIGHTING. ONE 20A CONTROL RELAY WILL BE PROVIDED FOR EACH LIGHTING CIRCUIT SPECIFIED ON FLOORPLANS. RELAY PANEL SHALL RECIEVE INPUT FROM BAS FOR LIGHTING CONTROL SCHEDULE. OVERRIDE SWITCHES ARE PROVIDED TO OVERRIDE SPECIFIC INTERIOR LIGHTING ZONES DURING UNOCCUPIED HOURS. SWITCHES AND WIRING ARE PROVIDED BY THE MECHANICAL

CONTRACTOR TO OPERATE THROUGHT THE BUILDING BAS. RACEWAYS AND BOXES SERVING OVERRIDES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. LIGHTS SHALL BE

LOCAL AUTOMATIC CONTROL OF INTERIOR SPACES

ENERGIZED IN RESPONSE TO OVERRIDE SWITCHES FOR 2 HOURS.

LOCAL OCCUPANCY SENSORS SHOWN ON THE FLOOR PLANS PROVIDE AUTOMATIC CONTROL DURING NORMAL HOURS OF OPERATION.

MANUAL SWITCHING AND DIMMING CONFIGURATIONS ARE SHOWN ON FLOOR PLANS (ON/OFF SWITCH, DIMMING SWITCH, OR NO LOCAL SWITCHING) TO CONTROL THE LIGHTING. COMPONENTS:

OCCUPANCY SENSORS ARE DUAL TECHNOLOGY TYPE SET UP FOR OCCUPANCY SENSING, WITH AUTOMATIC RESPONSE TO DETECTION OF ULTRASONIC AND PASSIVE INFRARED SIGNALS. ACTIVATION IS MAINTAINED WHILE EITHER OF THESE SIGNALS IS PRESENT AND FOR 15 MINUTES BEYOND ABSENCE OF BOTH SIGNALS.

CENTRALIZED AUTOMATIC CONTROL OF EXTERIOR SPACES

LIGHTING IS CONTROLLED BY PHOTOCONTROL SENSOR TO ENERGIZE LIGHTING AT DUSK OR CLOUDY CONDITIONS DURING DAYLIGHT HOURS. LIGHTING IS DE-ENERGIZED AT DAWN BY THE PHOTOCONTROL SENSOR. WHERE INDICATED, LIGHTING WILL BE DEACTIVATED BY A 'TIMED-OFF' CONDITION FROM CONTACTOR.

OVERRIDE SHALL ALLOW NORMAL OPERATION OF EXTERIOR LIGHTING FOR THE TIME SPECIFIED BY THE OVERRIDE SWITCH. THE LENGTH OF TIME IS SET FOR 2 HOURS.

CONTACTORS ARE FULL VOLTAGE LIGHTING CONTACTORS WITH MECHANICALLY HELD CONTACTS. CONTACTORS FOR EXTERIOR LIGHTING ARE SET UP WITH CONTROL CIRCUIT DRIVEN BY A SINGLE PHOTOCONTROL SENSOR AND BAS INPUT.

PHOTOCONTROL SWITCH IS LOCATED TO PROVIDE AUTOMATIC CONTROL OF EXTERIOR LIGHTING FOR DUSK TO DAWN OPERATION. SWITCH ALSO RESPOND TO LOW LIGHT CONDITIONS DURING DAYLIGHT HOURS.

EMERGENCY & EGRESS LIGHTING

COMPONENTS FOR EXIT DISCHARGE LIGHTING:

LIGHTING IS UNSWITCHED, SUPPLIED FROM SOURCES INDICATED ON PLANS. WHERE FIXTURES ARE SERVED BY TWO INDEPENDENT SOURCES, A LISTED EMERGENCY LIGHTING TRANSFER SWITCH SHALL BE PROVIDED AND WILL TRANSFER POWER SOURCE IN THE EVENT OF FAILURE FROM THE NORMAL BRANCH CIRCUIT. ALTERNATE SOURCE FOR THE TRANSFER SWITCH IS SERVED FROM GENERATOR. UNDER LOSS OF NORMAL POWER, EMERGENCY AND EGRESS LIGHTING CIRCUITS SHALL BE RESTORED WITHIN 10 SECONDS.

EXTERIOR EXIT DISCHARGE LIGHTING SHALL BE CONTROLLED BY PHOTOCONTROL SENSOR TO ENERGIZE LIGHTING AT DUSK OR CLOUDY CONDITIONS DURING DAYLIGHT HOURS. LIGHTING IS DE-ENERGIZED AT DAWN BY THE PHOTOCONTROL SENSOR.

PHOTOCONTROL SWITCH IS LOCATED TO PROVIDE AUTOMATIC CONTROL OF EXTERIOR LIGHTING FOR DUSK TO DAWN OPERATION. SWITCH ALSO RESPOND TO LOW LIGHT CONDITIONS DURING DAYLIGHT HOURS.

SPACES AND OR LIGHTING GROUPS NOT CONTROLLED BY BUILDING AUTOMATIC LIGHTING SYSTEM

BUILDING EGRESS LIGHTING ELECTRICAL ROOMS

MECHANICAL ROOMS **ELEVATOR PIT**

- 1. OCCUPANCY SENSORS ARE DIAGRAMATICALLY INDICATED ON THE LIGHTING FLOOR PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND QUANTITIES OF SENSORS INSTALLED TO PROPERLY COVER EACH SPACE BASED ON THE APPROVED PRODUCT COVERAGE PATTERNS AND IN COORDINATION WITH THE MANUFACTURER'S INSTRUCTIONS.
- 2. ALL SENSORS SHALL UTILIZE DUAL TECHNOLOGIES FOR DETECTION AS

OCCUPANCY SENSOR NOTES

- 3. COORDINATE CLEARANCES FROM AIR DISTRIBUTION SYSTEMS TO AVOID NUISANCE TRIPPING AS RECOMMENDED BY THE MANUFACTURER OF
- 4. OCCUPANCY SENSORS SHALL WORK IN COORDINATION WITH 0-10 VOLT

GENERAL NOTES:

- RISER TYPICAL PER FLOOR.
- 4. THE EXTERIOR LIGHTING CONTACTORS ARE TO ACTIVATE/DEACTIVATE
- LIGHTING BASED ON A USER DETERMINED OCCUPANCY SCHEDULE. SCHEDULE TO INCLUDE HOURS OF OPERATION AND HOLIDAY SCHEDULE BASED ON INPUT FROM THE MECHANICAL SYSTEM BAS.
- 5. THE INTERIOR LIGHTING RELAYS ARE TO ACTIVATE/DEACTIVATE LIGHTING BASED ON A USER DETERMINED OCCUPANCY SCHEDULE. SCHEDULE TO FROM THE LIGHTING RELAY PANEL INTEGRAL TIME CLOCK.
- 6. OVERRIDE SWITCHES LOCATED IN EACH ZONE SHALL ACTIVATE LIGHTS DURING PERIODS WHEN LIGHTING HAS BEEN DEACTIVATED FOR A USER DEFINED PERIOD INITIALLY SET FOR 2 HOURS.

- 2. REFER TO FLOOR PLANS FOR EXACT DEVICE QUANTITIES AND LOCATIONS.
- 3. PROVIDE ALL CLASS 2 WIRING BETWEEN FIXTURES AND CONTROL DEVICES IN 3/4" CONDUIT UNLESS NOTED OTHERWISE.
- INCLUDE HOURS OF OPERATION AND HOLIDAY SCHEDULE BASED ON INPUT

KEYED NOTES:

PROVIDE CIRCUITS AS DESIGNATED ON PLANS, ROUTED VIA CONTACTOR OR RELAY PANEL FOR TIME OF DAY CONTROL.

ELEVATOR

LIGHTING

CONTACTOR

(2) CIRCUITS AS DESIGNATED BY FLOOR PLANS. PROVIDE BRANCH CIRCUITS AND RACEWAYS AS REQUIRED BY PANEL SCHEDULE(S).

4 \ ELEVATOR SHAFT LIGHTING CONTROL DIAGRAM

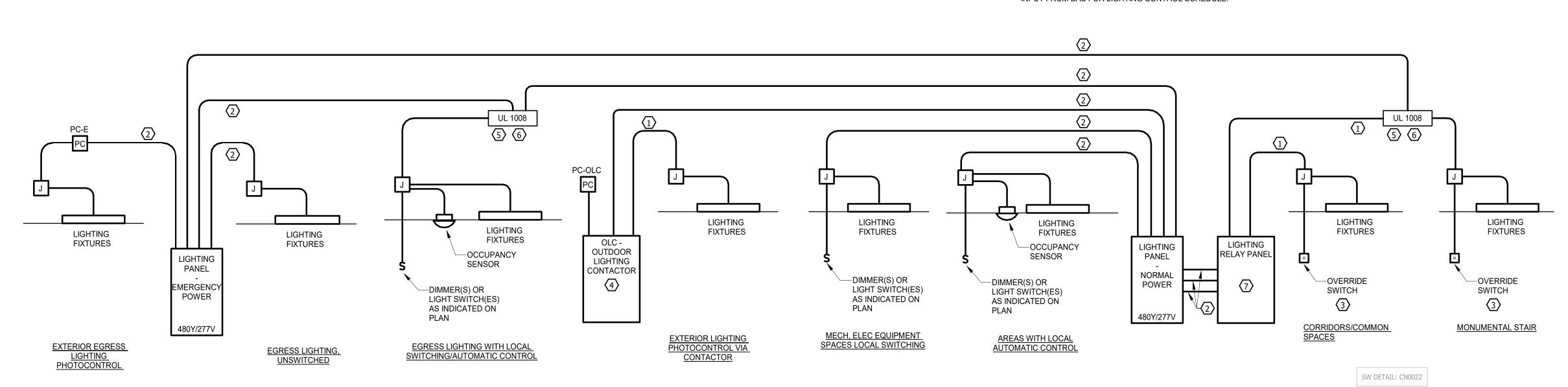
- FLOOR LIGHTING OVERRIDE SWITCHES TO BE PROVIDED BY MECHANICAL CONTRACTOR. PROVIDE PUSH BUTTON WITH PHENOLIC LABEL ON SWITCH PLATE THAT READS "PRESS TO TURN ON LIGHTS AFTER NORMAL BUSINESS HOURS". OVERRIDE RACEWAYS AND BACKBOXES TO BE INSTALLED BY THE ELECTRICAL CONTRACTOR. SEE ELECTRICAL LIGHTING PLANS FOR LOCATIONS AND QUANTITY OF OVERRIDES FOR FLOORS.
- (4) MECHANICALLY HELD CONTACTORS AS SPECIFIED WITH CONNECTIONS AS DETAILED ON THE PLANS. CONTACTOR IS ENERGIZED/DEENERIZED BY INPUTS FROM A CONTROL PHOTOCELL AND BAS CONTROL RELAY.
- (5) EMERGENCY LIGHTING TRANSFER SWITCH.

CONTROLLER

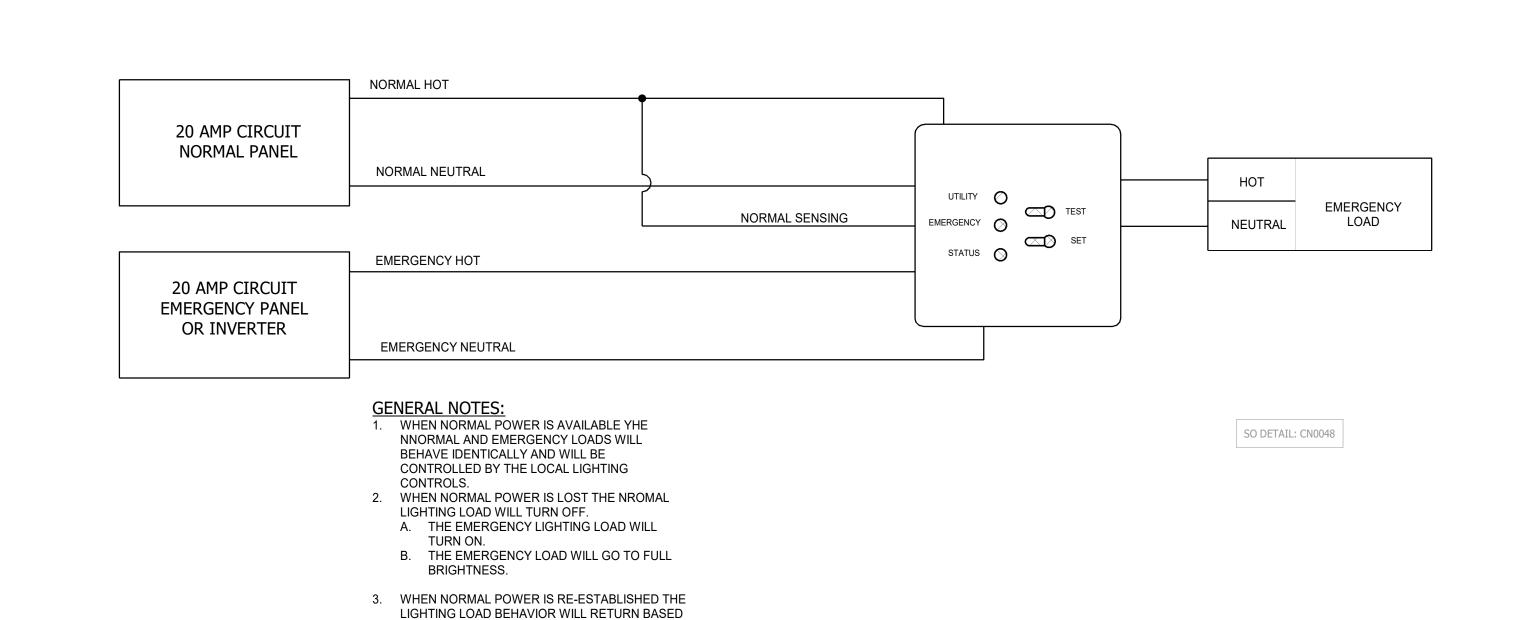
E502 SCALE: NTS

TOP OF

- 6 PROVIDE TWO SEPARATE BRANCH CIRCUITS FROM SEPARATE SOURCES, ONE NORMAL CIRCUIT AND ONE EMERGENCY CIRCUIT. REFER TO PLANS. UL 1008 TRANSFER SWITCH WILL SHUNT FROM CONTROL DEVICE AND BECOME ILLUMINATED TO 100%.
- (7) LIGHTING RELAY PANEL LOCATED IN ELECTRICAL ROOM. RELAY PANEL SHALL RECIEVE INPUT FROM BAS FOR LIGHTING CONTROL SCHEDULE.



5 LIGHTING CONTROL RISER DIAGRAM



ON LOCAL LIGHTING CONTROLS.

1. MAIN CONTACTS NOT SHOWN AT CONTACTOR.

2. ALL LIGHTING CONTROL CONDUCTORS ARE TO

(1) ELEVATOR CONTROLLER BY ELEVATOR EQUIPMENT

UPON RECEIVING SIGNAL FROM ELEVATOR

WITH ELEVATOR EQUIPMENT PROVIDER.

MOUNTED IN NEMA-1 ENCLOSURE.

ELEVATOR SHAFT.

PROVIDER. SHAFT LIGHTING SHALL BE ACTIVATED

CONTROLLER. PROVIDE RELAY/DEVICE/EQUIPMENT AS REQUIRED TO RECEIVE SIGNAL AND ENGAGE

CONTACTOR. COORDINATE EXACT REQUIREMENTS

20 AMP, 1-POLE. PROVIDE ELECTRICALLY HELD TYPE

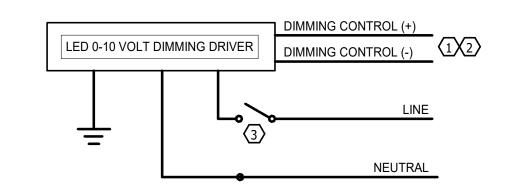
SO DETAIL: CN0050

2 LIGHTING CONTACTOR. RATED FOR USE AT 120 VOLT,

CONFIGURED FOR 2-WIRE, 120 VAC CONTROL

3 3-WAY LIGHTING SWITCHES AT TOP AND BOTTOM OF

CN0048-UL1008 BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH SCALE: NTS

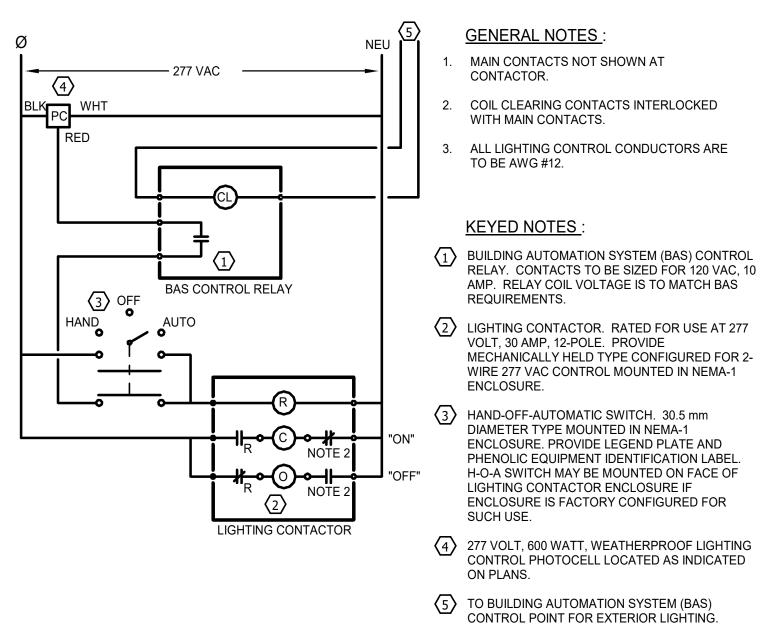


KEYED NOTES:

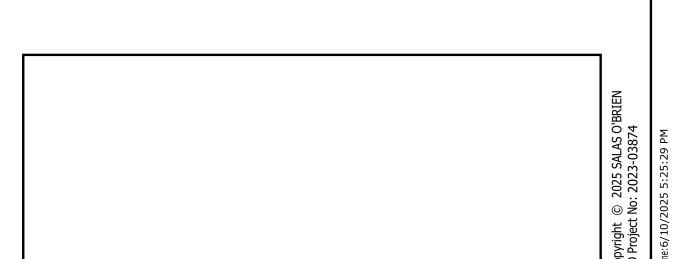
- (1) CAP DIMMING CONTROL LEADS WHERE FIXTURES ARE NOT REQUIRED TO BE DIMMED, AND ROVIDE LINE SIDE SWITCHLEG (NOT SHOWN).
- 2 PROVIDE 0-10 VOLT STANDARD CURRENT SINK 0-10 VOLT CONTROL DIMMER (IEC 60929) WHERE INDICATED (COMPATIBLE WITH LIGHT FIXTURES). PROVIDE 600 VOLT RATED CONTROL CONDUCTORS ROUTED WITH POWER CIRCUIT TO EACH FIXTURE DRIVER.
- (3) INTEGRAL DRIVER DISCONNECT.

SW DETAIL: CN0046

\ 0-10 VOLT DIMMING WIRING DETAIL



3 EXTERIOR LIGHT CONTROL DIAGRAM



SO DETAIL: CN0028

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REVISION CLANCY & THEYS Interv 2 later 06/13/2025

JOB NUMBER 23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

LIGHTING ELEVATION & DETAILS

GENERAL NOTES

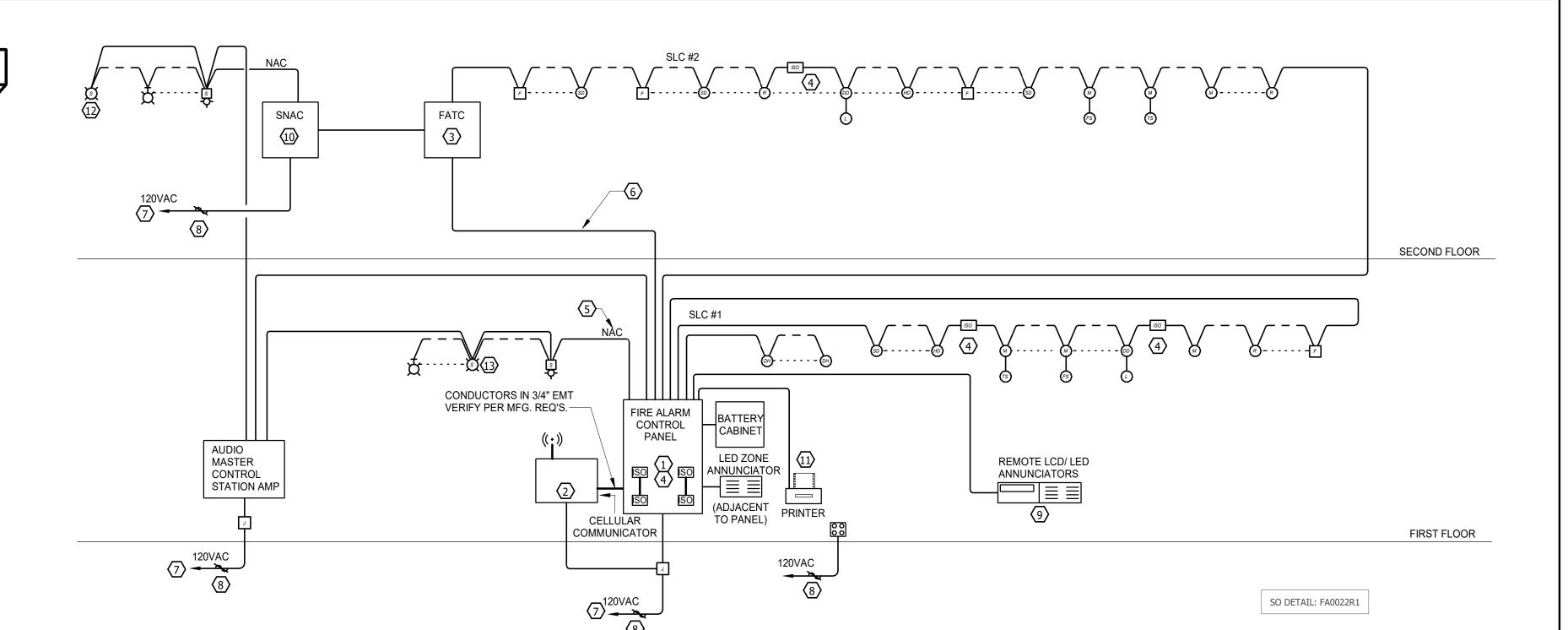
1. THE TENTATIVE FIRE ALARM CONTROL MATRIX SHOW HOW SYSTEM INPUTS ARE MAPPED TO SYSTEM OUTPUTS. THE MATRIX IS PROVIDED FOR GUIDANCE. THE CONTRACTOR SHALL SUBMIT AN ACTUAL CONTROL MATRIX THAT INDICATES ALL INITIATING DEVICES BY SOFTWARE ZONE AND ALL OUTPUT ACTIONS BY ANNUNCIATION ZONE. MULTIPLE INPUTS AND/OR OUTPUTS FROM SIMILAR BUT INDEPENDENT SOURCES, FOR EXAMPLE MULTIPLE ELEVATORS OR AIR HANDLING UNITS, SHALL BE SHOWN AS SEPARATE LINE ITEMS.

2. • INDICATES THAT THE NAMED INPUT CAUSES THE NAMED OUTPUT TO OCCUR.

- PROVIDE OVERRIDE FUNCTIONS FOR AHU BY-PASS, FIRE ALARM STROBES, DOOR-HOLDS, DAMPERS.
- KITCHEN HOOD ANSUL SYSTEM SHALL ONLY SHUT DOWN BUILDING EXHAUST FANS. KITCHEN HOOD EXHAUST FANS TO REMAIN POWERED.
- 5. FIRE ALARM INPUTS ASSOCIATED WITH THE EMERGENCY RESPONDER COMMUNICATION SYSTEM (ERRCS) SHALL BE PROGRAMMED ONLY IF SYSTEM IS REQUIRED.

SW DETAIL: FA0020





GENERAL NOTES

- RISER DIAGRAM SHOWS FUNCTIONAL CONNECTIONS. EXACT WIRING AND CONNECTIONS ARE DEPENDENT ON EQUIPMENT MANUFACTURER AND ARE TO BE PROVIDED AS A PART OF THE FIRE ALARM SHOP DRAWING SUBMITTAL PACKAGE SUPPLIED BY THE CONTRACTOR.
- 2. PROVIDE SEPARATE CONDUITS FOR OPPOSITE END OF LOOPED CIRCUIT RUNS. DO NOT COMBINE OUTGOING AND INCOMING LOOP CONDUCTORS IN THE SAME RACEWAY EXCEPT AS PERMITTED BY THE NFPA 72.
- 3. ALL ALARM APPLIANCE CIRCUITS ARE TO BE SUPERVISED. PROVIDE END-OF-LINE RESISTOR OR OTHER TERMINATION DEVICE AS REQUIRED TO MATCH FIRE ALARM CONTROL PANEL.
- 4. SMOKE DETECTORS ARE TO BE PHOTOELECTRIC TYPE WITH MATCHING (LOCKING TYPE) BASE UNLESS OTHERWISE INDICATED ON DRAWINGS. POWER CONSUMPTION OF DETECTORS IS TO BE COMPATIBLE WITH FIRE ALARM CONTROL PANEL CAPABILITIES. PROVIDE ADDITIONAL DRIVER MODULES AS REQUIRED.
- SPEAKER/STROBE, AND STROBE ONLY POWER CONSUMPTION IS TO BE COMPATIBLE WITH FIRE ALARM CONTROL PANEL CAPABILITIES. PROVIDE ADDITIONAL POWER SUPPLIES AS REQUIRED.
- THE FIRE ALARM SYSTEM SHALL INITIATE SHUTDOWN OF ALL BUILDING AIR HANDLING UNITS IN RESPONSE TO AN ALARM CONDITION.
- 7. HEAT DETECTORS ARE TO BE 135°F RATE OF RISE TYPE UNLESS OTHERWISE INDICATED.
- 8. PROVIDE CONTROL MODULES AS REQUIRED TO CONTROL DOOR HOLD-OPEN MAGNET CIRCLUITS
- SELECTED CONTROL MODULES ARE TO BE CONNECTED TO ACTIVATE ELEVATOR RECALL. THESE MODULES ARE INDICATED ON THE FLOOR PLANS. FINAL CONNECTIONS TO ELEVATOR CONTROLLER SHALL BE PROVIDED BY ELEVATOR INSTALLER OR SERVICE VENDOR.
- 10. THE FIRE ALARM SYSTEM SHALL COMPLY WITH THE STATE OF NORTH CAROLINA DEPARTMENT OF ADMINISTRATION PUBLICATION "FIRE ALARM GUILDLINES AND POLICIES." 2020. SEE SPECIFICATIONS.
- 11. ALL JUNCTION BOXES AND COVER SHALL BE PAINTED RED, COVERS SHALL BE LABELED WITH LOOPS NUMBERS CONTAINED IN THE BOX.
- 12. SUPPORT ALL CEILING MOUNTED DEVICES FROM STRUCTURE WITH MANUFACTURERED SUPPORTING DEVICES. DO NOT SUPPORT FROM CEILING.
- 13. FACP, SNAC'S AND DIALER CABINETS DOORS SHALL BE GROUNDED. DO NOT USE THE CIRCUITBOARD CHASSIS TO PROVIDE GROUND. ALL GROUNDING POINTS SHALL BE CLEARED OF ANY PAINT, BOND DIRECTLY TO METAL.
- 14. ALL CABINETS SHALL BE FACTORY COLORED THE SAME.

ALL SNAC'S, FACP, AND DIALER.

- 15. ALL CABINETS (FACP, SNAC, BATTERY, DIALER) AND PULL STATIONS SHALL BE KEYED
- 16. PROVIDE TYPED DIRECTORY SCHEDULE AND LABEL EACH WIRE CONSISTENTLY TO MATCH SCHEDULE IN EACH TERMINAL CABINET.
- 17. DO NOT INSTALL ANY SMOKE OR HEAT DETECTOR WITHIN 3 FEET OF ANY SUPPLY OR
- RETURN AIR REGISTER.

 18. PROVIDE PLASTIC ENGRAVED IDENTIFICATION LABELS ON THE EXTERIOR DOORS OF
- 19. PROVIDE PLASTIC ENGRAVED IDENTIFICATION LABEL ON THE INTERIOR DOORS OF ALL SNAC'S, FACP, AND DIALER, STATING POWER PANEL ID SOURCE AND CIRCUIT
- NUMBERS.

20. ALL SURFACE MOUNTED BOXES SHALL BE BY FIRE ALARM DEVICE MANUFACTURER.

- NO STAMPED STEEL KNOCK-OUT BOXES.

 21. INITIATION DEVICE DESCRIPTIONS AT FACP SHALL INCLUDE DEVICE TYPE, LOCATION AND UNIQUE ADDRESS. INFORMATION SHALL BE EXACTLY CONSISTENT AT FACP, DEVICE LABEL AND RECORD DRAWINGS. DESCRIPTION FOR ALL DEVICES SHALL BE
- 22. PROVIDE INTEGRATED CONTROL BUTTONS AT FACP FOR THE FOLLOWING ITEMS: COORDINATE EXACT REQUIREMENTS PRIOR TO TESTING WITH AHJ. ALL BYPASS FUNCTIONS SHALL GENERATE A TROUBLE CONDITION AT THE FACP.
 - A. HVAC BYPASS
 B. SMOKE DAMPER BYPASS
 C. DOOR HOLD BYPASS

SUBMITTED FOR APPROVAL PRIOR TO PROGRAMMING.

- D. FIRE ALARM VISUAL BYPASS E. AUDIO BYPASS
- 23. TESTING SYSTEM:

 PROVIDE ENGINEER A COMPLETED NFPA 72, AND VENDOR'S COMPLETED AS-BUILT
- DRAWINGS PRIOR TO TEST.

 PROVIDE 100% DEVICE TEST (WITH ADDRESSES), PRIOR TO ENGINEER'S TEST. THIS
- TEST SHALL BE A TRUE TEST, NOT IN WALK MODE.

 PROVIDE SENSITIVITY TEST DOCUMENTATION FOR EACH SMOKE DETECTOR.
- WITH AC POWER OFF, PROVIDE BATTERY VOLTAGE DOCUMENTATION AT EACH CARD AND AT THE APPROPRIATE END OF LINE RESISTOR, FOR EVERY NAC CIRCUIT. VOLTAGE SHALL BE DOCUMENTED INITIALLY, AFTER 30 MINUTES AND AFTER 45 MINUTES OF ALARM TESTING.
- PROVIDE 72 HOURS NOTICE PRIOR TO 100% ACCEPTANCE TEST. THIS TEST SHALL

INCLUDE ENGINEER & REPRESENTATIVES OF OWNER.

1 FIRE ALARM RISER DIAGRAM

KEYED NOTE:

- FIRE ALARM CONTROL PANEL TO BE ADDRESSABLE TYPE BY ONE OF THE FOLLOWING:

 EDWARDS
 EST III

 NOTIFIER
 NFS2-3030
 SIMPLEX
 4100ES
- PROVIDE CELLULAR, IP COMMUNICATOR LISTED FOR USE WITH INSTALLED FIRE ALARM SYSTEM. COMMUNICATOR SHALL BE INTERNALLY SUPERVISED AND HAVE BATTERY BACKUP RATED FOR STANDBY TIME INTERVAL AS SPECIFIED FOR FACP.OWNER SHALL PROVIDE WIRELESS CONNECTION WITH LOCAL CELLULAR SERVICE PROVIDER. CELLULAR COMMUNICATION MUST BE COMPATIBLE WITH STATE CAPITAL POLICE. ADOPT PREVIOUSLY PROVEN COMMUNICATION METHODOLOGY ENABLING MONITORIGN BY STATE CAPITAL POLICE.
- (3) REFER TO FIRE ALARM TERMINATION CABINET (FATC) DETAIL.
- ISOLATION MODULES SHALL BE INSTALLED AT THE FACP ON BOTH THE OUTGOING AND RETURN CONDUCTORS OF EACH LOOP. ADDITIONALLY, ISOLATION MODULES SHALL BE INSTALLED AFTER EACH 20 DEVICES OR MODULES ON THE ADDRESSABLE LOOPS. ISOLATION MODULES SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE NEAREST LOOP DEVICE AND SHALL BE IDENTIFIED BY A MACHINED LABEL AT THAT DEVICE.
- PROVIDE NOTIFICATION APPLIANCE CIRCUITS AS REQUIRED TO PROVIDE DEVICES AS INDICATED ON THE PLANS.
- PROVIDE CONDUITS TO RISER AS REQUIRED. CONDUIT FILL SHALL NOT EXCEED 40% AT ANY PORTION OF RACEWAY SYSTEM.
- PROVIDE CIRCUIT BREAKER "LOCK-ON" CLIPS FOR CIRCUIT(S). PROVIDE RED PAINT ON BREAKER TO INDICATE FUNCTION.
- 8 SURGE ARRESTOR(S) FOR INDICATED CIRCUIT(S).
- 9 LOCATE AT FIREMAN'S ENTRY. SEE FLOOR PLANS.
- PROVIDE SUPPLEMENTAL NOTIFICATION APPLIANCE CABINET FOR UP TO FOUR FIRE ALARM STROBE CIRCUITS.
- PROVIDE PRINTER WITH METAL STAND TO ACCOMMODATE PRINTER AND PAPER ON SEPARATE SHELVES.
- EMERGENCY VOICE SYSTEM IS REQUIRED FOR THIS BUILDING. PROVIDE SPEAKER BACKBOXES, ALL LOCATIONS.

SW DETAIL: FA0025

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JOB NUMBER

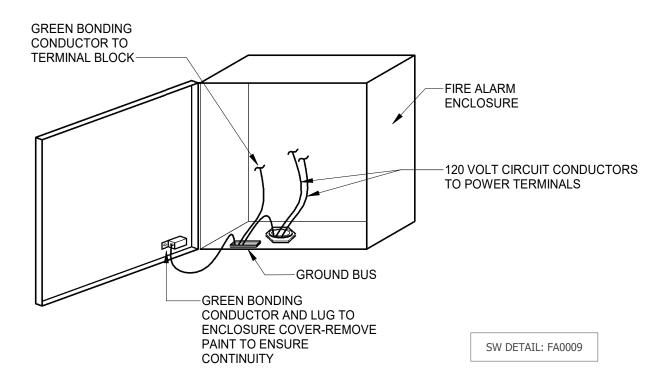
DATE ISSUED
06/12/2025
PROJECT STATUS
BID SET

FIRE ALARM
SYSTEM RISER
AND MATRIX

F511

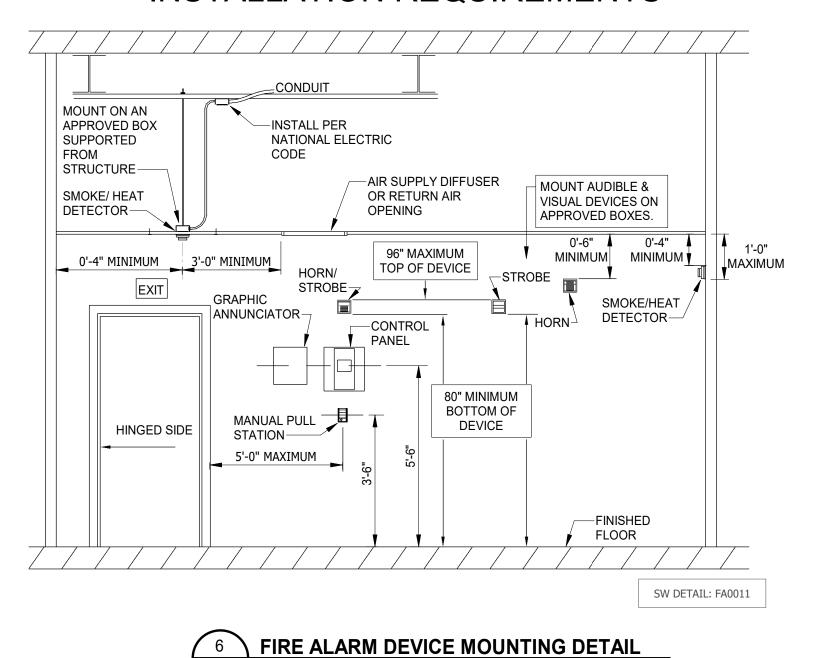
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4 FIRE ALARM TERMINATION CABINET (FATC)

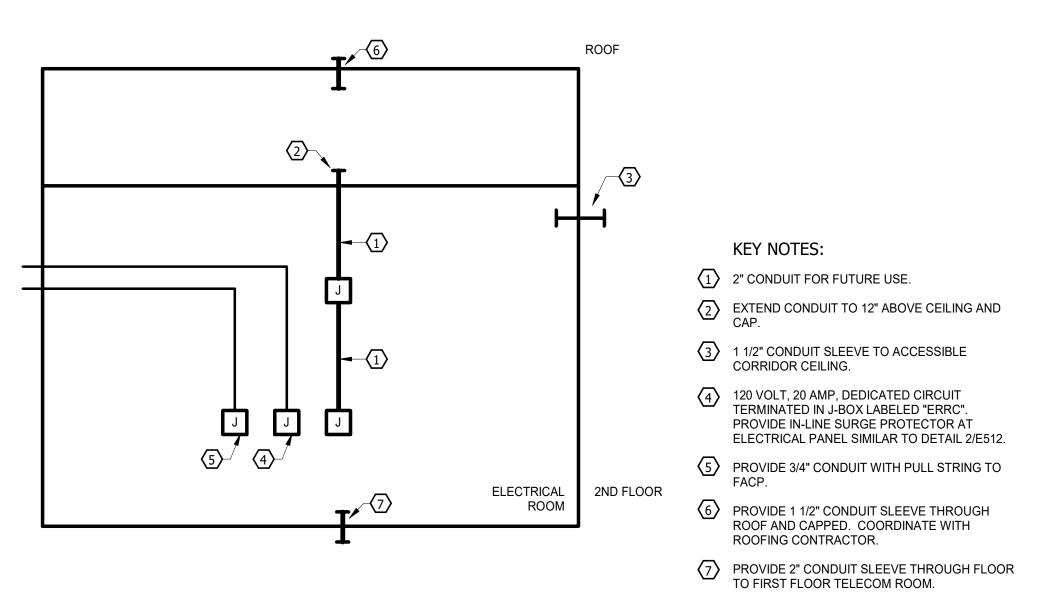


5 FIRE ALARM ENCLOSURE BONDING DETAIL

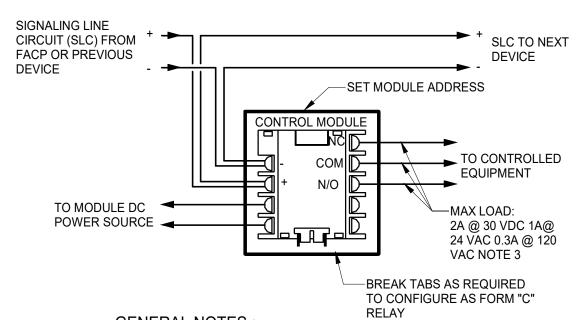
NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



E512 SCALE: NTS



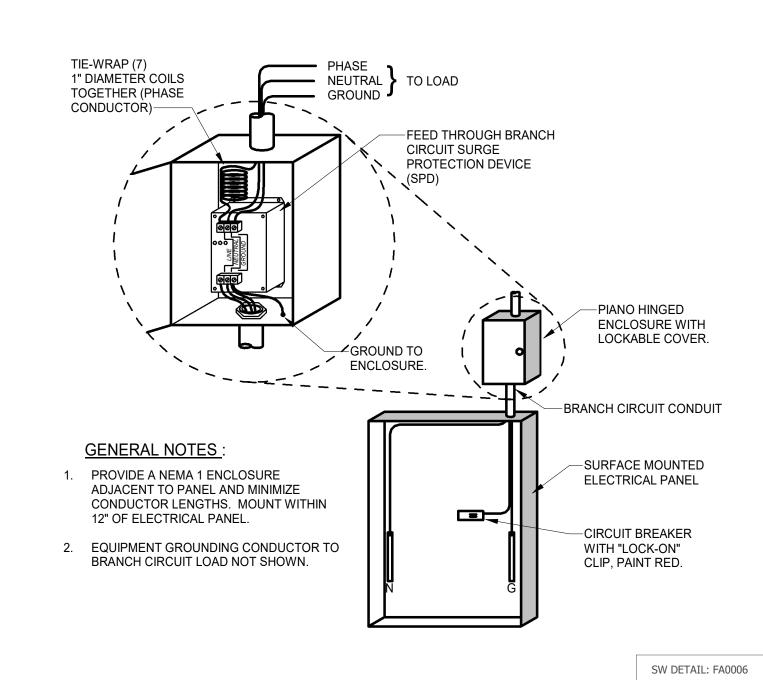
7 RACEWAY ROUGH IN FOR FUTURE OWNER USE



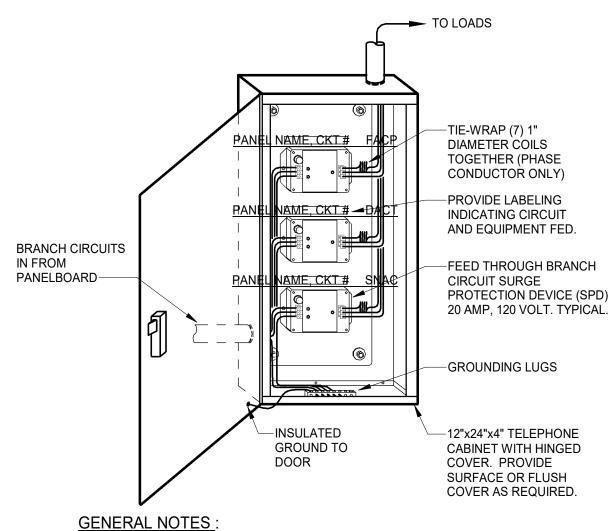
- **GENERAL NOTES** 1. LOCATE CONTROL MODULE ADJACENT TO EQUIPMENT.
- 2. EXACT CONTROL MODULE CONFIGURATION VARIES WITH EQUIPMENT MANUFACTURER. COORDINATE CONNECTIONS AND WIRING WITH EXACT DEVICES INSTALLED.
- 3. CONTACTS SHALL BE RATED FOR INDUCTIVE LOADS. PROVIDE ADDITIONAL CONTROL RELAY WHERE CONTROL CIRCUIT LOAD EXCEEDS CONTACT RATINGS. ARRANGE WITH CONTROL CIRCUIT ACROSS N.O. (FAIL-SAFE)

SW DETAIL: FA0004

AHU SHUTDOWN MODULE



2 SURGE PROTECTION DEVICE WIRING DETAIL
E512 SCALE: NTS



- 1. PROVIDE A NEMA 1 ENCLOSURE ADJACENT TO PANEL AND MINIMIZE CONDUCTOR LENGTHS. MOUNT WITHIN 12" OF ELECTRICAL PANEL.
- 2. EQUIPMENT GROUNDING CONDUCTOR TO BRANCH CIRCUIT LOAD
- 3. REFER TO EQUIPMENT SURGE PROTECTION DEVICE WIRING DETAIL FOR ADDITIONAL INFORMATION.
- 4. EACH CIRCUIT SHALL BE DEDICATED, WITH SEPARATE PHASE,

3 SURGE PROTECTION DEVICE CABINET DETAIL

SW DETAIL: FA0007 NEUTRAL, AND GROUND FROM THE LOAD SIDE OF EACH SPD.



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REVISION CLANCY & THEYS https://doi.org/10/10/2025

JOB NUMBER 23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

FIRE ALARM **SYSTEM DETAILS**

GENERAL NOTES: CONDUCTORS. KEYED NOTES: ACROSS WALL FRAMING. NOTED IN SCHEDULE.

PROVIDE RECESSED, STEEL BOX ASSEMBLY WITH LOW VOLTAGE AND LINE VOLTAGE OUTLET BOXES ARRANGED TO ISOLATE POWER

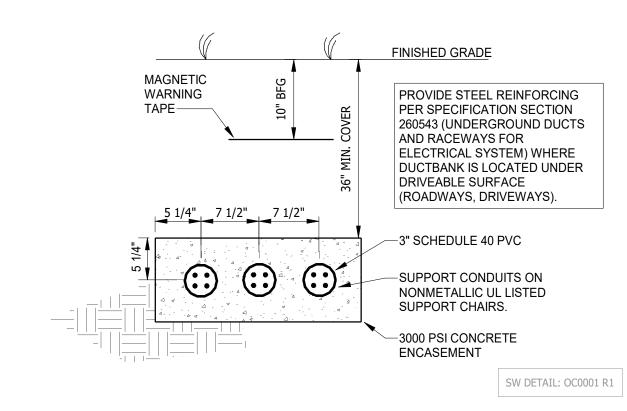
AV WALL BOX APPROX. 11"W x 5 1/2"H x 3 1/2" D. MOUNT SECURELY

- AC POWER BOX COMPONENT. PROVIDE DEVICES NOTED IN
- (3) LOW VOLTAGE BOX COMPONENT. PROVIDE DEVICES AND CONDUITS
- (4) COORDINATE BOX POSTION WITH WALL BLOCKING INDICATED IN ARCHITECTURAL PLANS SO THAT ALL POWER AND AV CORDS WILL BE FULLY CONCEALED BEHIND THE FLAT SCREEN DISPLAY.
- (5) PROVIDE COVER PLATE WITH SLOTTED OPENING FOR CORD ENTRIES
- (NOT SHOWN IN THIS VIEW).

SW DETAIL: GE0039

		FL	AT SCREEN WALL	OUTLET SCHED	JLE		
Type Mark	DUPLEX QTY (COMM)	DATA TYPE/QTY (COMM)	DATA CONDUIT SIZE (COMM)	A/V SPACE (COMM)	A/V CONDUIT SIZE (COMM)	MOUNTING HEIGHT	Comments
A	1	1	1"	1 GANG	1-1/4"	66"	

9 AV WALL BOX DETAIL



10 TELECOM SERVICE DUCT BANK SECTION E521 SCALE: NTS



GENERAL NOTES: 1. CROSS CONNECTS FROM TELEPHONE DEMARC TO CONTRACTOR M66

2. ACTIVE ELECTRONICS AND PATCH CORDS ARE PROVIDED AND INSTALLED BY OWNER.

M66 BLOCKS ON BACKBOARD SHALL BE USED FOR THE FOLLOWING DEDICATED PHONE LINES: a. ELEVATOR CAR PHONES b. FIRE ALARM PHONE LINES

KEYED NOTES 1 TELECOM SERVICE ENTRANCE CONDUITS, STUB CONDUITS UP 4" AFF AND BUSH. PROVIDE CAP DURING CONSTRUCTION. SEAL ENDS OF ALL CONDUITS AFTER INSTALLATION OF CABLES. PROVIDE CONTINUOUS 4'x8'x3/4" THICK FIRE RETARDANT PLYWOOD BACKBOARD FROM FLOOR TO 8'-0" AFF ON WALLS. PAINT PLYWOOD WHITE, LEAVING RATING

LABELS VISIBLE FOR INSPECTIONS. (3) TELEPHONE DEMARC BY LOCAL PHONE COMPANY. TELEPHONE COMPANY SHALL PROVIDE ENTRANCE CABLE, PROTECTORS, DEMARCATION BLOCKS. EXTEND MINIMUM CATEGORY 3 CABLE TO EACH DEDICATED PHONE LINE SPECIFIED IN

GENERAL NOTES. TELECOMMUNICATIONS ELECTRONICS RACK. FIBER HOUSING AND CABLE MANAGEMENT BY ELECTRICAL CONTRACTOR, ELECTRONIC COMPONENTS BY

(5) TELECOMMUNICATIONS DISTRIBUTION RACK. PATCH PANELS AND CABLE MANAGEMENT BY ELECTRICAL CONTRACTOR, ELECTRONIC COMPONENTS BY

(6) WALL MOUNTED GROUND BUS PER PROJECT DETAIL.

PROVIDE GROUNDING CONDUCTOR AS INDICATED IN EMT TO GROUNDING BUS IN ELECTRICAL ROOM.

PROVIDE QUADRUPLEX RECEPTACLES AT 24" AFF. REFER TO FLOOR PLANS FOR CIRCUITRY.

PROVIDE GROUNDING CONDUCTOR AS INDICATED IN EMT TO NEXT COMMUNICTIONS EQUIPMENT ROOM.

PROVIDE 24 STRAND SINGLE MODE FIBER RISER CABLE IN 4" CONDUIT.

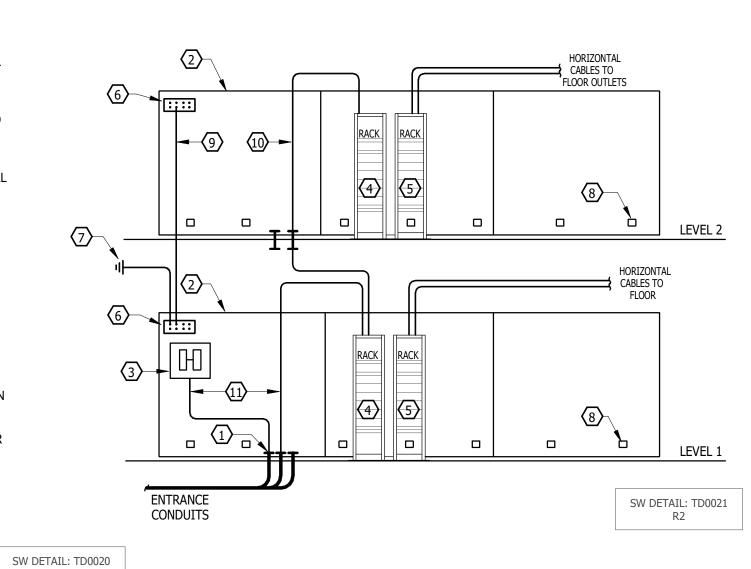
OWNER TO BRING FIBER AND COPPER INTO BUILDING AND TERMINATE. CONTRACTOR TO PROVIDE RACEWAYS.

-EMERGENCY

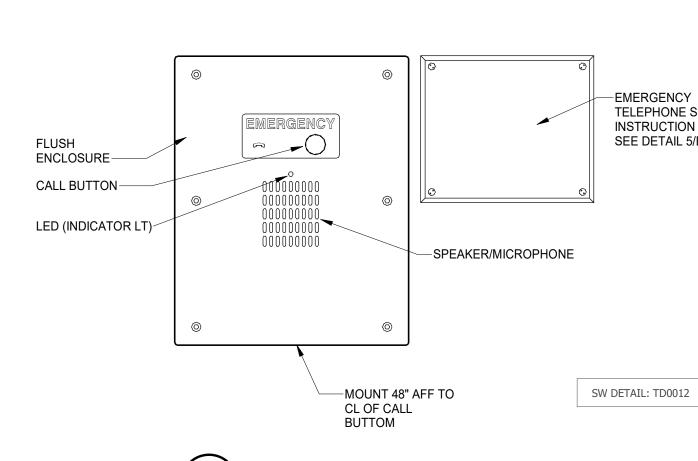
INSTRUCTION

TELEPHONE SIGNAGE

SEE DETAIL 5/E521



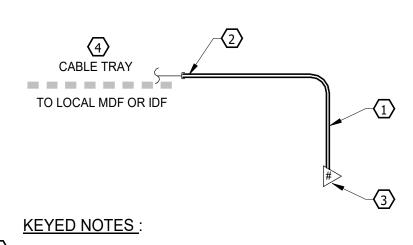
TELECOMMUNICATIONS RISER E521 SCALE: NTS



MINIMUM 4 SECURITY

SCREWS-





1" CONDUIT TO 90° ELBOW ABOVE ACCESSIBLE CEILING. TERMINATE IMMEDIATELY ABOVE CABLE TRAY. BUSH ENDS OF PIPE.

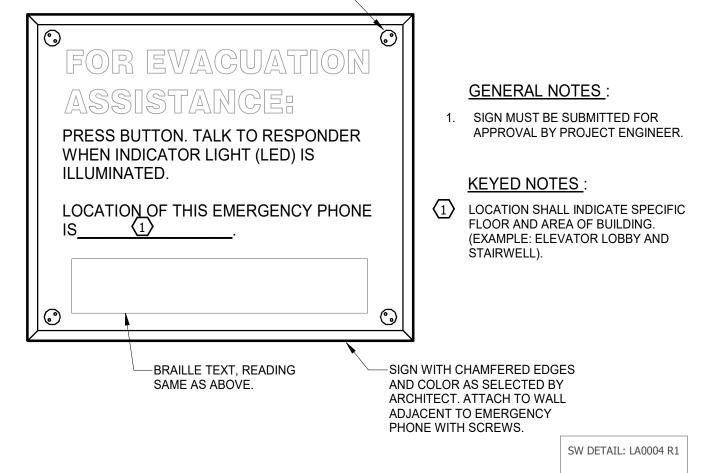
ROUTE TELECOMMUNICATIONS CABLE EXPOSED ABOVE

CEILING ALONG CABLE TRAY.

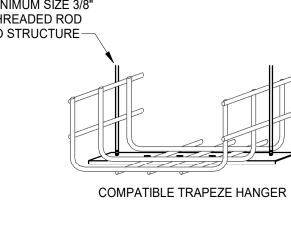
REFER TO TELECOMMUNICATIONS OUTLET SCHEDULE. DATA CABLES TO EAST END OF BULDING ACROSS OPEN CEILING AREAS OF DINING 100 AND DINING 200 SHALL BE

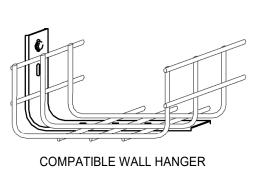
SW DETAIL: TD0003 ROUTED IN CONDUIT BACK TO NEAREST CABLE TRAY LOCATION. ONLY PROVIDE CABLE TRAY ABOVE ACCESSIBLE

2 TYPICAL TELECOM OUTLET E521 SCALE: NTS

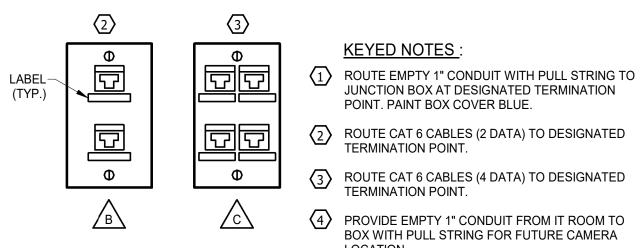








SW DETAIL: TD0010



POINT. PAINT BOX COVER BLUE. ROUTE CAT 6 CABLES (2 DATA) TO DESIGNATED TERMINATION POINT. ROUTE CAT 6 CABLES (4 DATA) TO DESIGNATED

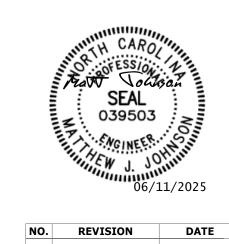
JUNCTION BOX AT DESIGNATED TERMINATION

KEYED NOTES:

PROVIDE EMPTY 1" CONDUIT FROM IT ROOM TO BOX WITH PULL STRING FOR FUTURE CAMERA

			LOCATION.	
	TELEC	COMMUNICATIONS OUTLE	ET SCHEDULE	
SYMBOL	PORTS	FUNCTION	CABLE	
A	1	FUTURE	N/A 1	
B	2	DATA/DATA	(2) CAT. 6	
\bigcirc	4	DATA/DATA/DATA	(4) CAT. 6	SW DETAIL: TD0006
	2	CAMERA	N/A 4	
®	2	WIFI ACCESS POINT	(2) CAT. 6	





ARCHITECTURE

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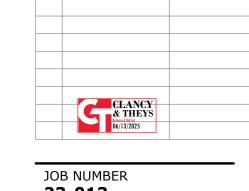
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23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

TELECOMMUNICATIO SYSTEMS

BLOCKS ARE PROVIDED BY OWNER.

c. INTERIOR EMERGENCY TELEPHONES 4. FIRE SEAL ALL FLOOR PENETRATIONS.

#4 COPPER-**GROUND BUS** TYPICAL PATCH PANEL, 24 OR 48 PORTS. QUANTITY AS REQUIRED. ACCESSORY, 6" WIDE. TYPICAL FOR FRONT & BACK, EACH SIDE OF -HORIZONTAL PATCH CORD MANAGEMENT BAR WITH RINGS,

SW DETAIL: TD0001

R2

SW DETAIL: TD0002 R2

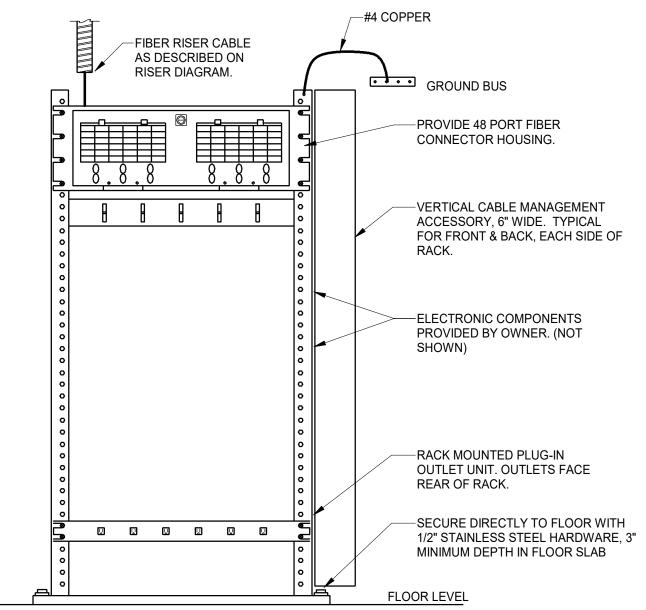
TYPICAL -RACK MOUNTED PLUG-IN OUTLET UNIT. OUTLETS FACE REAR OF RACK. -SECURE DIRECTLY TO FLOOR WITH 1/2" STAINLESS STEEL HARDWARE, 3" MINIMUM DEPTH IN FLOOR SLAB FLOOR LEVEL

GENERAL NOTES 1. INDICATED ARRANGEMENT IS TYPICAL FOR NEW HORIZONTAL DISTRIBUTION RACKS IN TELECOM ROOMS.

2. A SINGLE VERTICAL CABLE MANAGEMENT ACCESSORY CAN BE SHARED BETWEEN ADJACENT RACKS.

3. ALL CONNECTIONS BY CONTRACTOR TO 110 BLOCKS AT BACK OF PATCH PANELS. PATCH CORDS AND ACTIVE COMPONENTS PROVIDED AND INSTALLED BY THE OWNER.





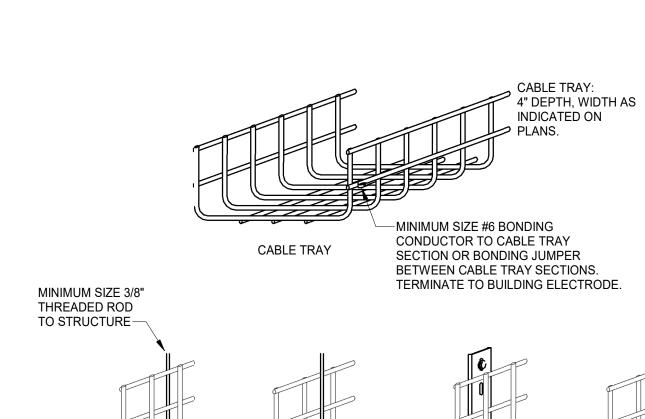
GENERAL NOTES:

1. INDICATED ARRANGEMENT IS TYPICAL FOR NEW ELECTRONICS RACKS IN TELECOM ROOMS.

2. A SINGLE VERTICAL CABLE MANAGEMENT ACCESSORY CAN BE SHARED BETWEEN ADJACENT RACKS.

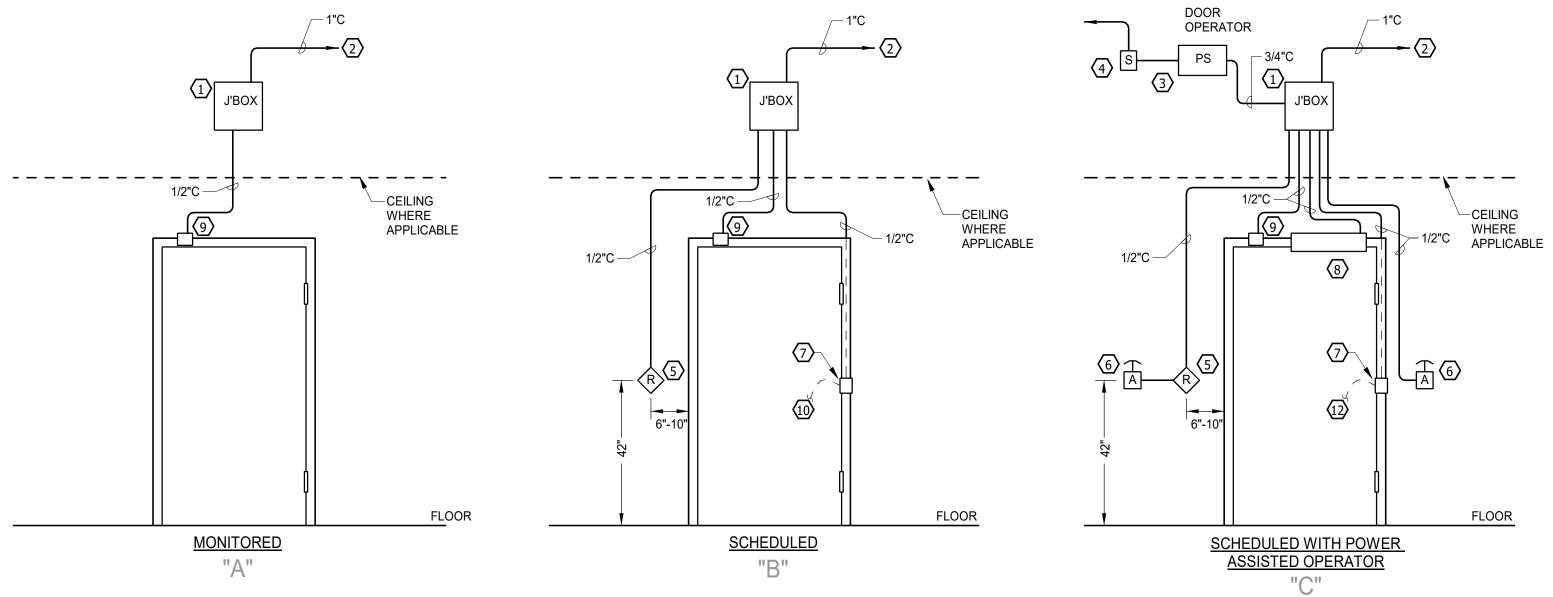
3. FIBER PATCH CORDS AND ACTIVE ELECTRONIC COMPONENTS ARE PROVIDED AND INSTALLED BY THE OWNER.

8 TELECOM ELECTRONICS RACK ELEVATION



6 BASKET STYLE CABLE TRAY

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KEYED NOTES:

- $\langle 1 \rangle$ J'BOX FOR ALL LOW VOLTAGE WIRING.
- RACEWAY WITH PULL STRING TO ELECTRONIC ACCESS DOOR CONTROL UNIT IN IT 123.
- POWER SUPPLY FOR DOOR OPERATOR. MAY ALSO BE LOCATED IN DOOR OPERATOR
- PROVIDE SINGLE POLE DISCONNECT SWITCH FOR 120 VAC SUPPLY. SEE FLOOR PLAN FOR INDICATED CIRCUIT.
- 5 CARD READER.
- 6 DOOR ACTUATOR.
- (7) ELECTRIC TRANSFER HINGE.
- 8 ELECTRIC DOOR OPERATOR.
- 9 DOOR POSITION SWITCH FLUSH IN DOOR FRAME.
- TO HARDWARE SET ON DOOR, PUSH BAR OR MORTICE/LEVER. SET INCLUDES REQUEST FOR EXIT AT EGRESS DOORS.

GENERAL NOTES:

- ALL RACEWAYS AND BOXES PROVIDED BY ELECTRICAL CONTRACTOR. VERIFY REQUIREMENTS WITH HARDWARE AND ACCESS CONTROL EQUIPMENT.
- 2. ALL RACEWAYS SHALL BE CONCEALED ABOVE CEILINGS OR WITHIN WALLS. EXPOSED RACEWAYS SHALL BE PERMITTED IN AREAS WITH EXPOSED OVERHEAD CONSTRUCTION.

SO DETAIL: GE0012 R2



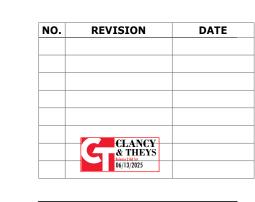
Door ID	Door Number	Detail Elevation	Door Contacts	Card Reader	Door Operator	Actuator	Comments
106	106	В	Yes	Yes	No	No	
123	123	В	Yes	Yes	No	No	
126	126	Α	Yes	No	No	No	
127	127	Α	Yes	No	No	No	
214	214	В	Yes	Yes	No	No	
E100A	E100A	С	Yes	Yes	Yes	Yes	
E100B	E100B	В	Yes	Yes	No	No	
E100C	E100C	В	Yes	Yes	No	No	
E100D	E100D	С	Yes	Yes	Yes	Yes	
E122	E122	Α	Yes	No	No	No	
E128	E128	Α	Yes	No	No	No	
E129	E129	Α	Yes	No	No	No	
E130	E130	В	Yes	Yes	No	No	
EST-01.3	EST-01.3	В	Yes	Yes	No	No	
EST-02.1	EST-02.1	Α	Yes	No	No	No	
EST 02.2	EST 02.2	D	Voc	Voc	No	No	



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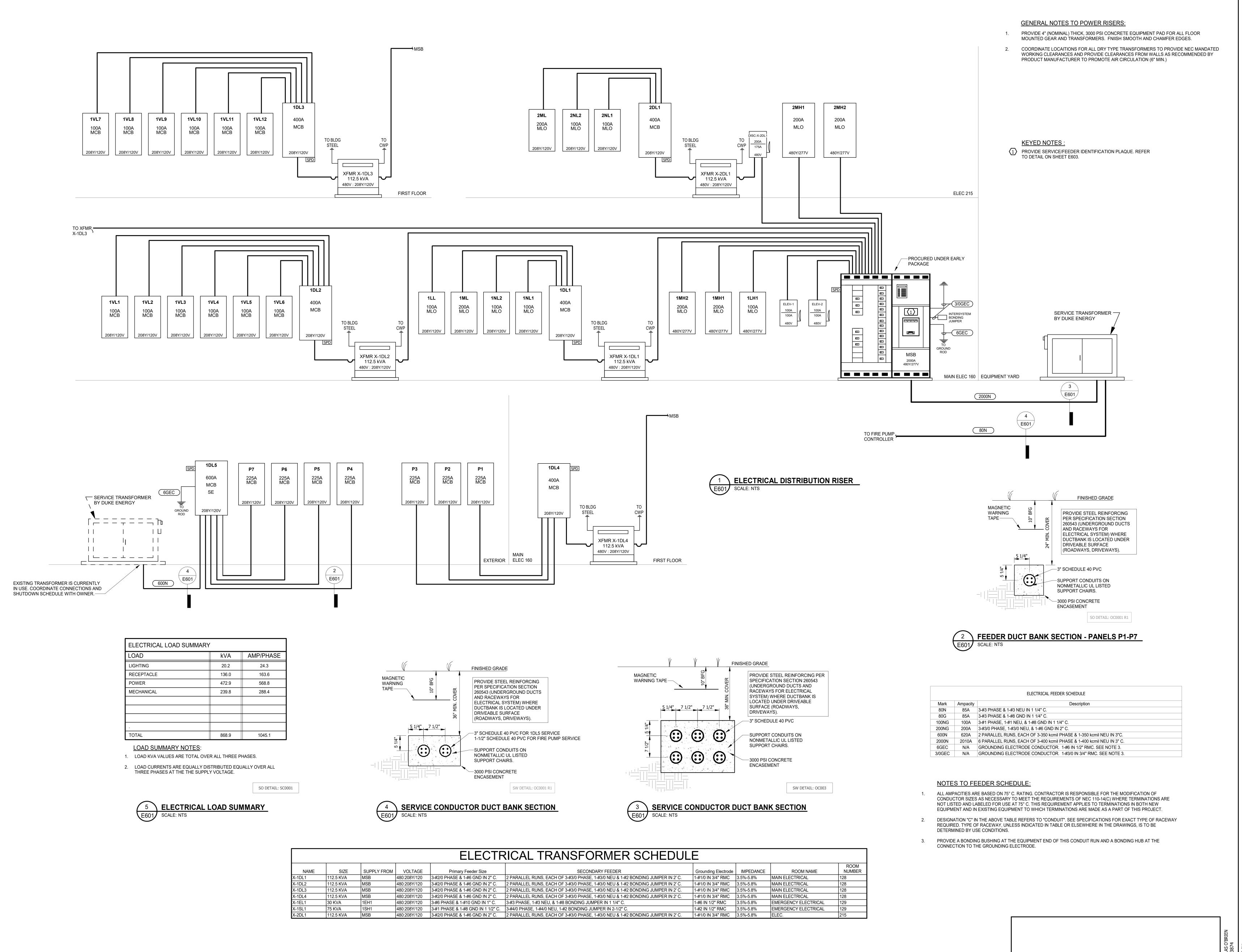


JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

SECURITY SYSTEM



ARCHITECTURE

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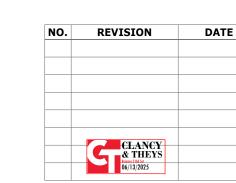
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KGKOUNDS - MIDWAY CENTE

NC DEPT. OF AGRICULTURE & COI 4285 TRINITY RD, RALEIGH, NC 2

SEAL 039503

OG/11/2025



JOB NUMBER
23-013

DATE ISSUED
06/12/2025

PROJECT STATUS
BID SET

ELECTRICAL DISTRIBUTION SYSTEM

CIRCUIT BREAKERS IN EMERGENCY ELECTRICAL SYSTEM SHALL SELECTIVELY COORDINATE. MANUFACTURER TO PROVIDE COORDINATION STUDY WITH EQUIPMENT SUBMITTAL FOR ENGINEER'S REVIEW. PANEL EL1 BRANCH BREAKERS MUST COORDINATE WITH PANEL EL1 MCB. PANEL EL1 MCB MUST COORDINATE WITH TRANSFORMER X-EL1 FEEDER BREAKER IN PANEL EH1. PANEL EH1 BRANCH CIRCUIT BREAKERS MUST COORDINATE WITH ENCLOSED CIRCUIT BREAKER ECB-E. ENCLOSED CIRCUIT BREAKER ECB-E MUST COORDINATE WITH GENERATOR CIRCUIT BREAKER AND FEEDER CIRCUIT BREAKER IN MSB. TO BUILDING TO BUILDING STEEL & CWP STEEL & CWP 1SH1 1EL1 ATS-S 4-POLES 4-POLES

(200NG)

KEYED NOTES

PROJECT VOLTAGE.

5 NEUTRAL BUS.

6 GROUND BUS.

SECONDARY 120V, 20 AMP, GFCI RECEPTACLE FOR TEMPORARY GENERATOR BATTERY CHARGER.

SECONDARY 208V, 30 AMP, TWIST LOCK RECEPTACLE FOR TEMPORARY GENERATOR JACKET HEATER.

PROVIDE MATCHING PLUG FOR FUTURE USE.

(3) CONNECTION PORT FOR TEMPORARY GENERATOR

CAMLOK WIRING CONNECTIONS FOR TEMPORARY POWER CONNECTION. COLOR CODED TO MATCH THE

BASIS OF DESIGN:

200 AMP RATED,

480Y/277V, NEMA 3R

OR APPROVED EQUAL

FEEDER FROM

PERMANENT

GENERATOR

E602 SCALE: NTS

MAGNETIC

WARNING

2" SCHEDULE 40 PVC | 5 1/4" | 7 1/2" |

CONTROL WIRING FROM-

ATS-E SHALL BE IN

DEDICATED CONDUIT

TAPE-

2 GENERATOR DOCKING STATION

200NG

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XFMR X-1EL1

30 kVA

480V: 208Y/120V

PROVIDE 4" (NOMINAL) THICK, 3000 PSI CONCRETE EQUIPMENT PAD FOR ALL FLOOR

COORDINATE LOCAITIONS FOR ALL DRY TYPE TRANSFORMERS TO PROVIDE NEC MANDATED

-INDIVIDUAL BRANCH CIRCUITS

IN 3/4" C TO ATS FOR

START/STOP.

TEMPORARY GENERATOR

STATION/TRANSFER SWITCH FOR

CONNECTIONS, PROCURED WITH

TEMPORARY GENERATOR

EARLY PACKAGE

EMERGENCY LOADS

FINISHED GRADE

PROVIDE STEEL REINFORCING PER

SPECIFICATION SECTION 260543

(UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEM) WHERE DUCTBANK IS LOCATED UNDER DRIVEABLE

SURFACE (ROADWAYS,

-(6) 1" C. FOR GENERATOR

-SUPPORT CONDUITS ON

NONMETALLIC UL LISTED

SW DETAIL: OC0002 R1

SUPPORT CHAIRS.

-3000 PSI CONCRETE

3 FEEDER DUCT BANK SECTION

ANCILLARY CIRCUITS

DRIVEWAYS).

SERVING RECEPTACLES IN DOCKING

STATION FOR TEMPORARY GENERATOR

BATTERY CHARGER AND JACKET HEATER.

WORKING CLEARANCES AND PROVIDE CLEARANCES FROM WALLS AS RECOMMENDED BY

MOUNTED GEAR AND TRANSFORMERS. FNIISH SMOOTH AND CHAMFER EDGES.

PRODUCT MANUFACTURER TO PROMOTE AIR CIRCULATION (6" MIN.)

PROCURED UNDER EARLY

GENERAL NOTES TO POWER RISERS:

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ARCHITECTURE

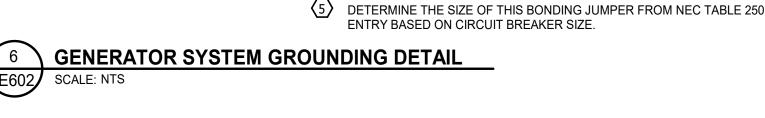
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REVISION JOB NUMBER

23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

GENERATOR

DISTRIBUTION



GROUNDING ELECTRODE CONDUCTOR AND CONDUIT TO THE GENERATOR SYSTEM COUNTERPOISE. USE BONDING HUB AT ELECTRODE END AND BONDING BUSHING AT C/B END. SIZE CONDUCTOR AS DESCRIBED ON RISER DIAGRAMS.

GROUNDING ELECTRODE CONDUCTOR AND CONDUIT TO BUILDING STEEL AND COLD WATER PIPE. USE BONDING HUB AT ELECTRODE END AND BONDING BUSHING AT C/B

END. SIZE CONDUCTOR AS DESCRIBED ON RISER DIAGRAMS.

DETERMINE THE SIZE OF THIS BONDING JUMPER FROM NEC TABLE 250.66 WITH TABLE ENTRY BASED ON THE SIZE OF THE CONDUCTORS CONTAINED IN THE CONDUIT. THIS CONNECTION MAY BE MADE TO THE EQUIPMENT GROUNDING BUS IN LIEU OF CONNECTION METHOD DESCRIBED BY NOTE 5.

DETERMINE THE SIZE OF THIS BONDING JUMPER FROM NEC TABLE 250.102(C)1 WITH TABLE ENTRY BASED ON THE SIZE OF THE CONDUCTORS CONTAINED IN THE CONDUIT. THIS CONNECTION MAY BE MADE TO THE EQUIPMENT GROUNDING BUS IN LIEU OF

CONNECTION METHOD DESCRIBED IN NOTE 5. 5 DETERMINE THE SIZE OF THIS BONDING JUMPER FROM NEC TABLE 250.122 WITH TABLE

SW DETAIL: GN0008

TOP OF ROD IS TO BE A MINIMUM OF 24" BELOW FINISHED GRADE.

GENERATOR CONCRETE PAD

−3 PHASE, 1 NEU AND 1 GND ─3 PHASE, 1 NEU AND 1 GND -3 PHASE, 1 NEU AND 1 IN CONDUIT IN CONDUIT GND IN CONDUIT 1. GROUNDING BUS IS GENERALLY ATTACHED DIRECTLY TO THE EQUIPMENT ENCLOSURE. IN THE ABSENCE OF SUCH A LISTED ATTACHMENT, SIZE BONDING JUMPER AS DESCRIBED IN

-BOND NEUTRAL TO FRAME AT GENERATOR -CONDUCTORS FROM GENERATOR 3 PHASE, 1 NEU, AND WINDINGS 1 GND IN CONDUIT—— TO BLDG. CRITICAL TO BLDG STEEL & CWP LOAD(S) STEEL & CWP —LINE SIDE OF CIRCUIT GENERATOR NORMAL SERVICE **EMERGENCY** AUTOMATIC BREAKER ENTRANCE FEEDER DISCONNECT DISCONNECT OF CIRCUIT -LINE SIDE OF BREAKER CIRCUIT BREAKER SERVICE **EQUIPMENT** -NEUTRAL IS INSULATED FROM GENERATOR FRAME FROM SERVICE TRANSFORMER

7 ELECTRICAL LOAD SUMMARY
E602 SCALE: NTS

2. USE BONDING BUSHINGS FOR ALL CONDUIT TERMINATIONS AT EQUIPMENT ENCLOSURES

3. ALL CONNECTIONS TO SWITCH OR CIRCUIT BREAKER ENCLOSURES SHALL BE MADE WITH

LISTED TERMINALS. ALL TERMINALS SHALL BE BOLTED TO THE ENCLOSURE WITH SCREWS,

LOCKWASHERS AND NUTS. REMOVE ALL PAINT FROM ENCLOSURE SURFACES PRIOR TO

MAKING TERMINATIONS. MANUFACTURER FURNISHED TERMINALS MAY BE USED IN LIEU OF

4. ONLY SINGLE PHASE/NEUTRAL CONDUCTOR SETS ARE SHOWN. ACTUAL INSTALLATION MAY

REQUIRE PARALLEL CONDUCTORS. SEE POWER RISER AND ELECTRICAL PLANS FOR

SHOWN.

CONTRACTOR INSTALLED LUGS.

ADDITIONAL DETAILS AND CONDUIT SIZES.

52.0 43.3 LOAD SUMMARY NOTES 1. LOAD KVA VALUES ARE TOTAL OVER ALL THREE PHASES. 2. LOAD CURRENTS ARE EQUALLY DISTRIBUTED EQUALLY OVER ALL THREE PHASES AT THE THE SUPPLY VOLTAGE. SO DETAIL: SC0001

200kW, 480Y/277V DIESEL GENERATOR

ELECTRICAL GENERATOR LOAD SUMMARY

PROCURED UNDER EARLY

6GEC

LIGHTING

POWER

FIRE PUMP

RECEPTACLE

PACKAGE-

KEY NOTES TO E602 60A MOTOR CIRCUIT PROTECTION CIRCUIT BREAKER FOR FIRE PUMP. THE INSTANTANEOUS TRIP SETTING FOR THE BREAKER SHALL NOT EXCEED THE CALCULATED SHORT CIRCUIT FAULT AVAILABLE FROM THE GENERATOR. THE BREAKER SHALL HAVE PROVISIONS TO LOCK IN THE CLOSED POSITION AND MEET ALL REQUIREMENTS OF NEC 695.4 (B)(3). PROVIDE SIGNAGE TO INDICATE "FIRE PUMP

ELEC 280

EQUIPMENT YARD FIRE PUMP 127

PROCURED UNDER EARLY

E601

PACKAGE

PGDS-E

PORTABLE GENERATOR

DOCKING STATION WITH

MANUAL TRANSFER SWITCH-

6GEC

BATTERY CHARGER GENERATOR LIGHTS AND RECEPT

> ─ GENERATOR-START ANNUNCIATOR

kVA AMP/PHASE

5.5

40.4

6.1

4.6

33.6

5.1

22.4

DISCONNECTING MEANS" WITH 1" HIGH LETTERS. 2 PROVIDE POWER CONNECTIONS FROM GENERATOR AND 480V SERVICE TRANSFORMER TO THE FIRE PUMP CONTROL PANEL/TRANSFER EQUIPMENT.

COORDINATE EXACT REQUIREMENTS WITH FIRE PROTECTION CONTRACTOR AND EQUIPMENT MANUFACTURER. 3 PROVIDE SERVICE/FEEDER IDENTIFICATION PLAQUE. REFER TO DETAIL ON SHEET

4 ATS-S IS THE TRANSFER SWITCH SERVING THE NEC ARTICLE 702 OPTIONAL STANDBY

5 ATS-E IS THE TRANSFER SWITCH SERVING THE NEC ARTICLE 700 EMERGENCY

6 CIRCUIT BREAKER SHALL SELECTIVELY COORDINATE WITH UPSTREAM BREAKERS. PROVIDE LSI FUNCTIONS IN TRIP UNIT AS REQUIRED.

TO BUILDING

STEEL & CWP

FIRE PUMP

BY OTHERS

CONTROLLER BY OTHERS

FIRE PUMP

_ _ _ _ _ _ _ _

KEYED NOTES: (1) BOND GENERATOR TANK BASE TO GROUND ROD USING #4 STRANDED COPPER JUMPER AND SUITABLE BONDING LUGS. MAKE CONNECTION AT STRUCTURAL SUPPORT MEMBER. <u>DO NOT MAKE</u> CONNECTION TO SIDE OF CONTAINMENT TANK.

STUB UP CONDUIT THROUGH ELECTRICAL STUB-UP

EXACT CONDUIT LOCATIONS WITH GENERATOR

2. DRAWING INDICATES A TYPICAL SINGLE CONDUIT

OPENING IN FUEL TANK BASE. USE CARE TO MATCH

ARE REQUIRED. SEE RISER DIAGRAM FOR EXACT

GROUNDING INDICATED IS TYPICAL AT EACH CORNER

CONDUIT SIZE AND QUANTITY. BONDING AND

CONNECTION TO GENERATOR. MULTIPLE CONNECTIONS

GENERAL NOTES:

CONNECTION POINTS.

OF GENERATOR.

2SL1

100A MCB

1SL1

225A MCB

TO BLDG

XFMR X-1SL1

75 kVA

480V: 208Y/120V

PROCURED UNDER EARLY—

-GENERATOR

ENCLOSURE

-GENERATOR

JUNCTION BOX

-WATERPROOF

CONNECTION

-GENERATOR

MOUNTING

SUB-BASE

SO DETAIL: OC0008

TYPICAL BOND

TO REBAR-

WEATHER- PROOF

STEEL

GENERATOR DISTRIBUTION RISER

1SL2

208Y/120V

EMERG ELEC 279

BOND ROD TO REINFORCING STEEL AND/OR REINFORCING WIRE USING #4 STRANDED COPPER JUMPER. MAKE ALL GROUNDING CONNECTIONS BY MEANS OF EXOTHERMIC WELDING.

(3) RIGID METAL CONDUIT COUPLER. STRAIGHT FLEXIBLE LIQUIDTIGHT CONDUIT (FLC)

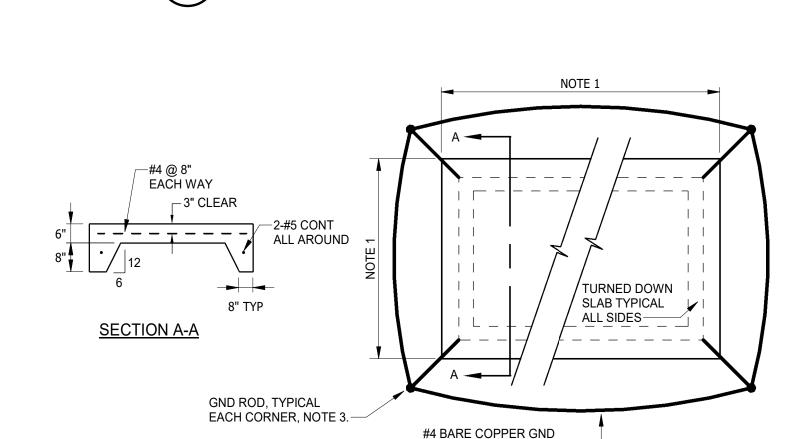
5 METALLIC FLEXIBLE LIQUIDTIGHT CONDUIT. 6 RIGHT ANGLE FLEXIBLE LIQUIDTIGHT CONDUIT CONNECTOR.

AT GENERATOR FRAME.

8 SIZE VARIES WITH TANK CAPACITY.

7 PVC SLEEVE THROUGH CONCRETE PAD. USE CARE TO LOCATE SLEEVE TO MATCH CONNECTION POINT

3/4" x 10' ROD TYPICAL EA. CORNER-4 GENERATOR RACEWAY CONNECTIONS

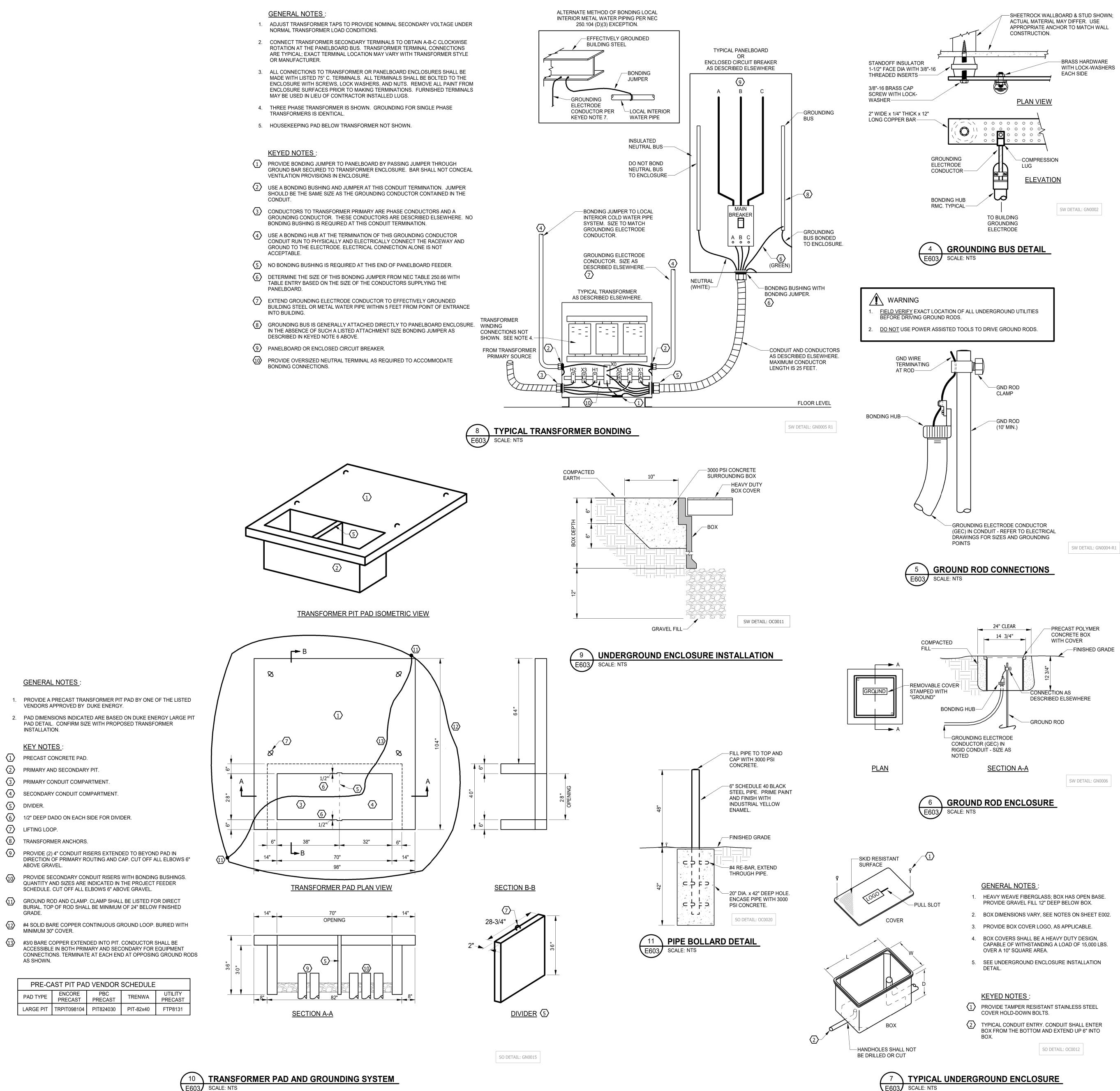


COUNTERPOISE AT 30" BFG-**GENERAL NOTES**: 1. DIMENSIONS ARE BASED ON MANUFACTURER'S EQUIPMENT. GENERATOR PAD SHALL EXTEND 6" BEYOND EQUIPMENT FOOTPRINT

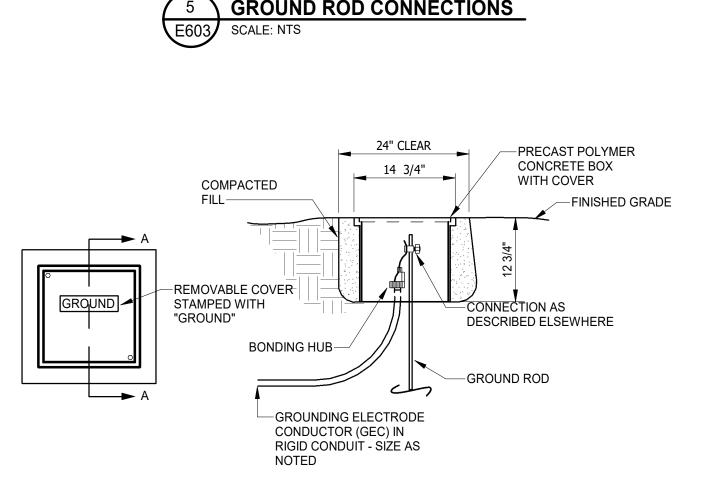
IN ALL DIRECTIONS.

2. ENSURE PAD IS LEVEL BEFORE EQUIPMENT IS SET. 3. BOND EACH GROUND ROD TO REBAR AND GENERATOR ENCLOSURE.

SW DETAIL: GN0007 R1

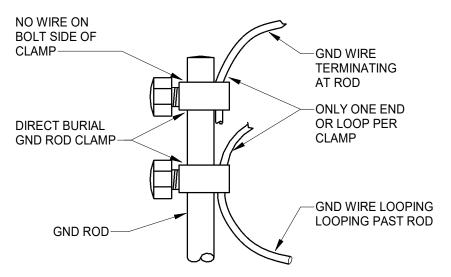


-SHEETROCK WALLBOARD & STUD SHOWN; ACTUAL MATERIAL MAY DIFFER. USE APPROPRIATE ANCHOR TO MATCH WALL -BRASS HARDWARE WITH LOCK-WASHERS



- 2. BOX DIMENSIONS VARY, SEE NOTES ON SHEET E002
- CAPABLE OF WITHSTANDING A LOAD OF 15,000 LBS.

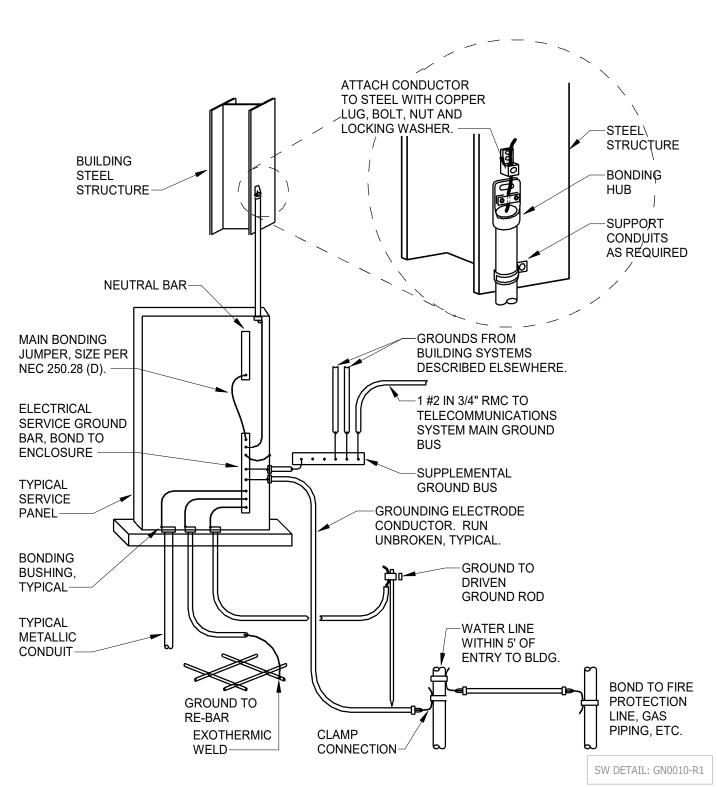




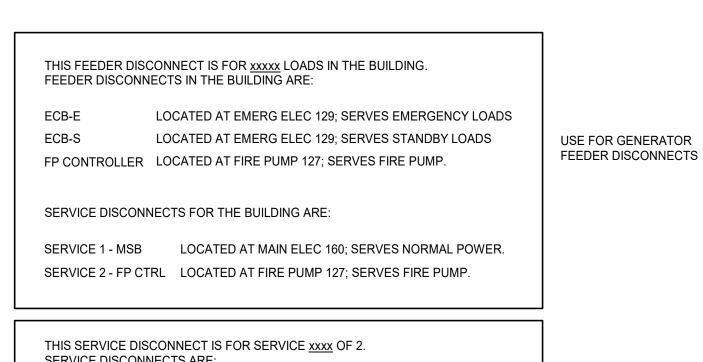
GENERAL NOTES

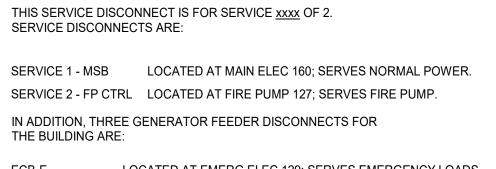
- 1. USE ADDITIONAL CLAMP(S) AS REQUIRED TO MATCH NUMBER OF GROUNDING ELECTRODE CONDUCTORS TO BE ATTACHED.
- 2. TOP OF ROD IS TO BE A MINIMUM OF 16" BFG.

EQUIPMENT PAD GROUND ROD CONNECTIONS E603 SCALE: NTS









LOCATED AT EMERG ELEC 129; SERVES EMERGENCY LOADS LOCATED AT EMERG ELEC 129; SERVES STANDBY LOADS FP CONTROLLER LOCATED AT FIRE PUMP 127; SERVES FIRE PUMP.

 PROVIDE DIRECTORY AT EACH SERVICE/FEEDER DISCONNECT FOR BUILDING. FILL IN BLANK DESIGNATING EACH SERVICE/FEEDER RESPECTIVELY. 2. ENGRAVED PLASTIC LAMINATE SIGN WITH FIELD COLORS AS SPECIFIED IN

SW DETAIL: LA0006

USE FOR SERVICE DISCONNECTS





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REVISION CLANCY & THEYS https://distr. 06/13/2025 JOB NUMBER

23-013 DATE ISSUED 06/12/2025 PROJECT STATUS **BID SET**

ELECTRICAL DISTRIBUTION SYSTEM DETAILS