SOLID NEUTRAL

SPEC SPECIFICATION

SWBD SWITCHBOARD

SWGR SWITCHGEAR

TEMP TEMPERATURE

TYP TYPICAL

VAC

VFD

VOL

WG

WP

SQ SQUARE

SURGE PROTECTED

SPD SURGE PROTECTED DEVICE

SPDT SINGLE POLE DOUBLE THROW

SPST SINGLE POLE SINGLE THROW

TBB TELEPHONE BACK BOARD

THD TOTAL HARMONIC DISTORTION

UNO UNLESS NOTED OTHERWISE

VOLTAGE; VOLT

VDC VOLTS DIRECT CURRENT

VOLUME

WIREGUARD

IMPEDANCE

WEATHERPROOF

EXPLOSION PROOF

ROUND; DIAMETER; PHASE

WIRE

WITH

XFMR TRANSFORMER

UNDERWRITERS LABORATORIES INC.

VOLTS ALTERNATING CURRENT

VARIABLE FREQUENCY DRIVE

TELEC TELECOMMUNICATIONS

TELEVISION

SNAC SIGNAL NOTIFICATION APPLIANCE CIRCUIT

AFC ABOVE FINISHED CEILING AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AIC AMPERE INTERRUPTING CAPACITY ALT ALTERNATE

ANSI AMERICAN NATIONAL STANDARDS INSTITUTE ARCH ARCHITECTURAL AT AMP TRIP ATS AUTOMATIC TRANSFER SWITCH AWG AMERICAN WIRE GAGE BFC BELOW FINISHED CEILING BFG BELOW FINISHED GRADE

C CELSIUS; COIL CB CIRCUIT BREAKER CCTV CLOSED CIRCUIT TELEVISION SYSTEM CD/Cd CANDELA CLG CEILING COAX COAXIAL CABLE

CONTR CONTRACTOR CT CURRENT TRANSFORMER CTV CABLE TELEVISION CU COPPER DWG DRAWING

EC ELECTRICAL CONTRACTOR

ECB ENCLOSED CIRCUIT BREAKER EF EXHAUST FAN EGC EQUIPMENT GROUNDING CONDUCTOR ELEC ELECTRICAL EM EMERGENCY EMT ELECTRICAL METALLIC TUBING EPO EMERGENCY POWER OFF

ETR EXISTNG TO REMAIN EWC ELECTRIC WATER COOLER FACP FIRE ALARM CONTROL PANEL FATC FIRE ALARM TERMINATION CABINET FFE FINISHED FLOOR ELEVATION FL FLOOR

FLA FULL LOAD AMPS FLC FLEXIBLE LIQUIDTIGHT CONDUIT FLEX FLEXIBLE FMC FLEXIBLE METAL CONDUIT

FT FEET; FOOT FU FUSE GA GAUGE; GAGE GB GROUND BUS

GENERAL CONTRACTOR GEC GROUNDING ELECTRODE CONDUCTOR GROUND FAULT (CIRCUIT) INTERRUPTER

GND GROUND HD HEAVY DUTY HOA HANDS-OFF-AUTOMATIC HP HORSEPOWER HVAC HEATING, VENTILATING & AIR CONDITIONING HZ HERTZ

IG ISOLATED GROUND IMC INTERMEDIATE METAL CONDUIT JB JUNCTION BOX

KV KILOVOLT KVA KILOVOLT AMPERE KW KILOWATT KWH KILOWATT HOUR LED LIGHT EMMITING DIODE LRA LOCKED ROTOR AMPS LS LIFE SAFETY LTG LIGHTING M MOTOR; METERING

MC METAL CLAD MCB MAIN CIRCUIT BREAKER MCC MOTOR CONTROL CENTER MCP MOTOR CONTROL PROTECTOR MCS MOLDED CASE SWITCH MH MANHOLE

MIN MINIMUM MLO MAIN LUG ONLY N, NEU NEUTRAL NEC NATIONAL ELECTRICAL CODE

NEMA NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION NF NON-FUSED NFPA NATIONAL FIRE PROTECTION ASSOCIATION

NIC NOT IN CONTRACT NL NIGHT LIGHT NO NORMALLY OPEN; NUMBER

NTS NOT TO SCALE OC ON CENTER OL OVERLOAD P POLE PB PULL BOX PC PHOTOCELL

NOM NOMINAL

RD ROUND

POWER FACTOR PH PHASE PNL PANEL PT POINT; POTENTIAL TRANSFORMER

PUN PER UNIT NAMEPLATE

PVC POLYVINYL CHLORIDE (CONDUIT)

WALL MTD LIGHTING FIXTURE AND OUTLET PENDENT MOUNTED STRIP FIXTURE CEILING MTD LIGHTING FIXTURE AND OUTLET WALL MTD EXIT SIGN AND OUTLET, SINGLE FACE. ARROW INDICATES CEILING MTD EXIT SIGN AND OUTLET, DUAL FACE. ARROWS INDICATE DIRECTION. EMERGENCY LIGHT BATTERY PACK - TWO HEAD UNIT. CEILING MOUNTED EMERGENCY BATTERY LIGHT EMERGENCY LIGHT REMOTE HEAD GROUND MOUNTED FLOODLIGHT AND OUTLET AREA LUMINAIR AND STANDARD FLUSH MTD TOGGLE SWITCH, SPST, 20A, 120/277V FLUSH MTD TOGGLE SWITCH, DPST, 20A, 120/277V FLUSH MTD 3-WAY TOGGLE SWITCH, 20A, 120/277V FLUSH MTD 4-WAY TOGGLE SWITCH, 20A, 120/277V FLUSH MTD DIMMER SWITCH, 20A, 120/277V FLUSH MTD KEY SWITCH, 20A, 120/277V FLUSH MOUNTED OCCUPANCY SENSOR SWITCH, 20A, 120/277V FLUSH MTD LIGHTED HANDLE TOGGLE SWITCH, SPST, 20A, 120V. LIGHT ON WITH OPEN SWITCH FLUSH MTD TOGGLE SWITCH WITH PILOT LIGHT. LIGHT ON WITH CLOSED SWITCH.

CEILING MTD DUAL TECHNOLOGY (IR, U) OCCUPANCY SENSOR

FLUSH MTD DUPLEX RECEPTACLE, 20A, 125V, 3W

FLUSH MTD SINGLE RECEPTACLE, 20A, 125V, 3W

WITH TOP OUTLET SWITCHED.

IF NO BACKSPLASH EXISTS.

TO SCHEDULES FOR MARK

(WIFI) WIRELESS ACCESS POINT.

INCREASE FOR VOLTAGE DROP.

DISCONNECT SWITCH.

HEATERS

CONTRACTOR

TIME CLOCK

SEE SCHEDULE OR NOTE.

MAGNETIC MOTOR STARTER

PANELBOARD, 250V LEVEL

PANELBOARD, 600V LEVEL

WALL MOUNTED POWER DEVICE

BACKSPLASH EXISTS.

FLUSH MTD DUPLEX GFCI RECEPTACLE, 20A, 125V, 3W

FLUSH MTD QUADRUPLEX RECEPTACLE, 20A, 125V, 3W

FLUSH MTD QUADRUPLEX RECEPTACLE, 20A, 125V, 3W,

CEILING MTD RECEPTACLE AND OUTLET, 20A, 125V

CEILING MTD PUBLIC ADDRESS SPEAKER

FLUSH MTD VOLUME CONTROL FOR SPEAKER

WALL MTD TELEVISION ANTENNA/ELECTRICAL

HOMERUN; ARROW HEADS INDICATE NUMBER OF CIRCUITS, LETTERS

AND NUMBERS DESIGNATE PANEL AND CIRCUITS. SHORT TICK MARKS

TICK MARK(S) INDICATE NEUTRAL(S). GROUNDING CONDUCTORS

SPECIFIED ON THE PANEL SCHEDULES ARE MANDATORY FOR THE

ENTIRE CIRCUIT EXCEPT WHERE SPECIFICATIONS REQUIRE A SIZE

REQUIRED BY SPECIFICATIONS ARE NOT SHOWN. CONDUCTOR SIZES

SURFACE METAL RACEWAY WITH DEVICES, LETTER DESIGNATES TYPE

PENDANT MTD, PLUG-IN BUS DUCT WITH PLUG-IN CIRCUIT BREAKER

OR FUSIBLE SWITCH AND TAP BOX. DUCT AND SWITCH RATING AS

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

TOP # - DEVICE MAXIMUM RATING OR FRAME SIZE

BOTTOM # - FUSE SIZE OR DEVICE SETTING

MAGNETIC CONTACTOR, SIZE PER SCHEDULE

MAGNETIC RELAY, SIZE PER SCHEDULE

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

OUTLET, REFER TO SCHEDULES FOR MARK

FLUSH MTD DUPLEX RECEPTACLE, 20A, 125V, 3W, SPLIT WIRED

FLUSH MTD DUPLEX RECEPTACLE, 20A, 125V, 3W, INSTALLED

VERTICALLY 4" ABOVE BACKSPLASH OR COUNTERTOP IF NO

WALL MTD LIGHTING FIXTURE AND OUTLET

PENDANT LIGHTING FIXTURE AND OUTLET

DOWNLIGHT LIGHTING FIXTURE AND OUTLET

TIMED SWITCH

PHOTOCELL

ELECTRICAL SYMBOLS

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 FLUSH MTD DUPLEX RECEPTACLE WITH DUPLEX USB OUTLETS, INSTALLED VERTICALLY 4" ABOVE BACKSPLASH OR COUNTERTOP FLOOR BOX WITH DEVICE(S). REFER TO SCHEDULES FOR MARK WALL MTD TELECOM OUTLET, REFER TO SCHEDULES FOR MARK CEILING MTD TELECOM OUTLET, REFER TO SCHEDULES FOR MARK CEILING MTD DUPLEX RECEPTACLE & TELECOM OUTLET, REFER

FLUSH MOUNTED MUSHROOM HEAD PUSH BUTTON

FLUSH MOUNTED PUSH BUTTON

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 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 DC

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 INDICATE NUMBER OF CURRENT CARRYING PHASE CONDUCTORS. LONG CCTV SECURITY CAMERA WITH FIXED MOUNT CCTV SECURITY CAMERA WITH PTZ FEATURES CCTV DOME SECURITY CAMERA WITH 360 FEATURES EMERGENCY TELEPHONE MASTER RESCUE ASSISTANCE STATION

> RESCUE ASSISTANCE LIGHT CORD REEL ----- NEW WORK — — — EXISTING TO REMAIN

/// EXISTING TO BE DEMOLISHED

RESCUE ASSISTANCE STATION

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

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 DRAWING LIST E001 STANDARDS, SYMBOLS & ABBREVIATIONS E002 ELECTRICAL SITE PLAN ED101 LEVEL C - ELECTRICAL DEMOLITION PLAN LEVEL B - CONSERVATION - ELECTRICAL DEMOLITION LEVEL A - CONSERVATION - ELECTRICAL DEMOLITION ED200 LEVEL C - ENLARGED KITCHEN DEMOLITION E101 LEVEL C - POWER E102 LEVEL B - CONSERVATION - POWER E103 LEVEL A - CONSERVATION - POWER E111 LEVEL C - LIGHTING E112 LEVEL B - CONSERVATION - LIGHTING E113 LEVEL A - CONSERVATION - LIGHTING E121 LEVEL C - FIRE ALARM E122 LEVEL B - CONSERVATION - FIRE ALARM E123 LEVEL A - CONSERVATION - FIRE ALARM E131 LEVEL A - CLASSROOM - ELECTRICAL E132 LEVEL A - CLASSROOM - FIRE ALARM ED101.1 AMPHITHEATER RESTROOMS - ELECTRICAL DEMOLITION AMPHITHEATER RESTROOMS - ELECTRICAL FLOORPLAN PAVILION PLAN E200 ENLARGED KITCHEN PLAN - LEVEL C ELECTRICAL E201 ENLARGED PLANS - CONSERVATION E300 ELECTRICAL DETAILS E301 ELECTRICAL DETAILS E302 ELECTRICAL DETAILS E400 PANEL SCHEDULES - LEVEL (E401 PANEL SCHEDULES - LEVEL (PANEL SCHEDULES - CONSERVATION E403 PANEL SCHEDULES - AMPHITHEATER

GENERAL SYMBOLS

E500 LIGHTING FIXTURE SCHEDULE - LEVEL (

E511 FIRE ALARM SYSTEM

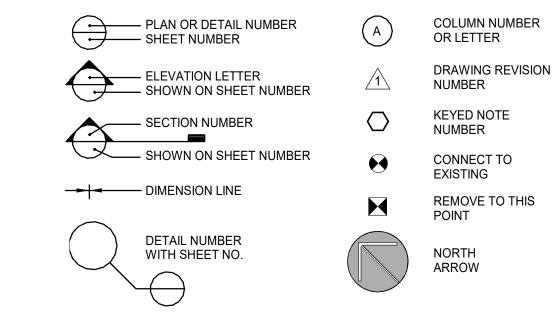
E521

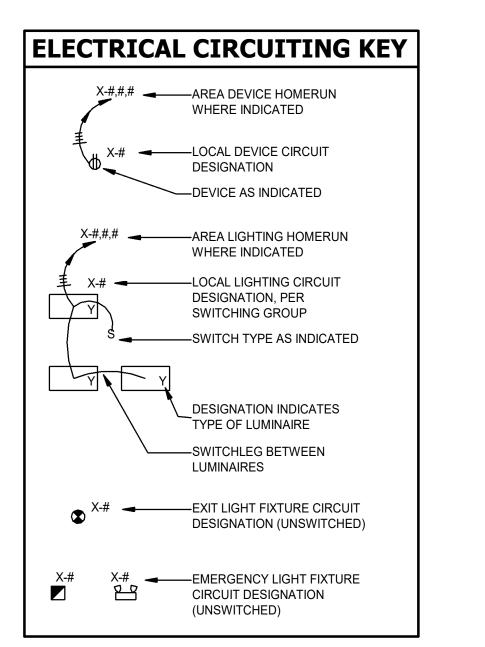
E502 LIGHTING FIXTURE SCHEDULE - AMPHITHEATER

TELECOM AND SECURITY SYSTEM

ELECTRICAL DISTRIBUTION SYSTEM

LIGHTING FIXTURE SCHEDULE - CONSERVATION







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039503

REVISION DATE

JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS **ISSUED FOR BID**

STANDARDS, **SYMBOLS & ABBREVIATIONS**

E001

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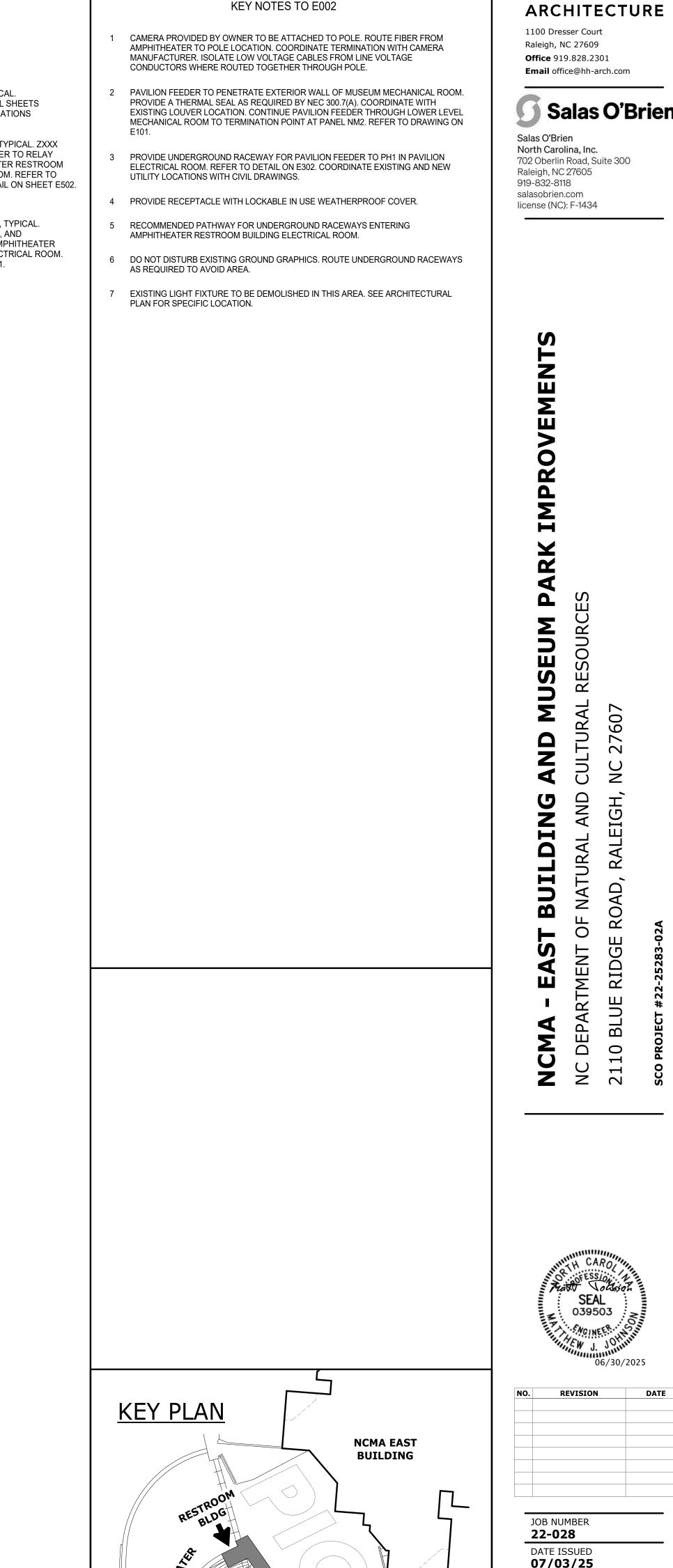
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JOB NUMBER

22-028 DATE ISSUED 07/03/25 PROJECT STATUS **ISSUED FOR BID**

ELECTRICAL SITE PLAN

E002



SO DETAIL: IN0014

ARCHITECTURE

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ELECTRICAL DEMOLITION NOTES

KEY NOTES TO ED101

RELOCATE EXSITING FIRE ALARM PULL STATION TO NEW WALL SHOWN ON NEW WORK

DEMOLISH EXISTING DUAL SECTION SURFACE MOUNTED RACEWAY AND DEVICES ON

INSTALLATION TO NEW OUTLETS WITHIN NEW WALL FRAMING. REMOVE EXISTING LIGHT

WALLS IN THIS ROOM. IDENTIFY EXISTING BRANCH CIRCUITS AND LEAVE FOR

CONNECTIONS. MEET WITH OWNER'S AUDIO VISUAL REPRESENTATIVE PRIOR TO DEMOLITION TO COORDINATE DEMOLITION AND RECONNECTION OF AV CONSOLE.

DEMOLISH EXISTING RECEPTACLES FOR BELOW COUNTER REFRIGERATORS. EXISTING CIRCUIT TO REMAIN, MAKE READY FOR RECONNECTION TO NEW RECEPTACLES.

FIXTURES AND CONTROLS. REMOVE EXISTING DATA CABLES AND DEVICES.

LOCATION OF EXISTING AUDIO VISUAL CONTROLS EQUIPMENT AND CABLE

REPLACE CIRCUIT BREAKER WITH NEW GFI BREAKER.

1 EXISTING LIGHTING IN THIS SPACE TO BE DEMOLISHED. EXISTING CIRCUIT AND TO

REMAIN, MAKE READY FOR RECONNECTION.

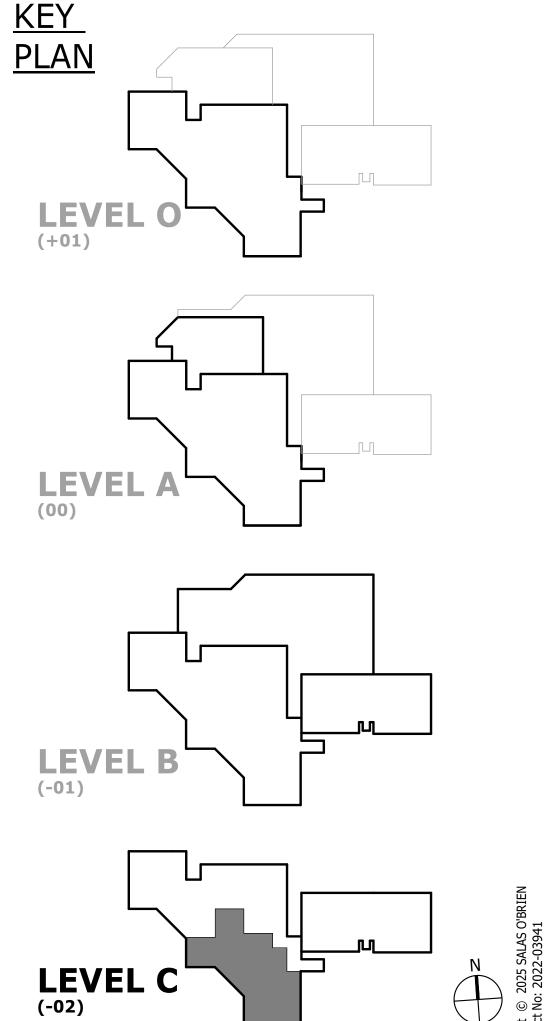
- (ER) EXISTING ELECTRICAL ITEM TO REMAIN. REFEED FROM EXISTING CIRCUITING IF DEMOLITION IN ADJACENT AREAS DISCONNECT EXISTING CIRCUITING.
- (R) EXISTING ELECTRICAL ITEM TO BE REMOVED INCLUDING ALL WIRING, CONDUIT AND ASSOCIATED ELECTRICAL ITEMS.
- ALL DEMOLITION WORK IS TO BE COORDINATED WITH PHASING OF CONSTRUCTION AND BID ALTERNATES AS OUTLINED ON ARCHITECTURAL SHEETS. REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND RELATED ITEMS FROM ALL WALLS, CEILINGS, FLOORS, AND/OR PORTIONS OF SAME INDICATED AS BEING DEMOLISHED BY ANY DIVISION OF THE CONTRACT DOCUMENT SET OR INDICATED ELSEWHERE IN THE CONTRACT DOCUMENT SET AS REQUIRING ELECTRICAL
- REMOVE ALL LIGHTING FIXTURES AND RELATED ITEMS FROM THE DEMOLITION AREA OR OTHER AREAS WHERE NEW LIGHTING FIXTURES ARE TO BE INSTALLED. EXISTING CONDUIT OR CABLE SERVING ITEMS OUTSIDE THE DEMOLITION AREA MAY REMAIN IF THEY ARE CONCEALED BY THE NEW CONSTRUCTION AND MEET THE SPECIFICATIONS REQUIREMENTS OF THE PRESENT PROJECT. NEW FIXTURES ARE TO BE SUPPLIED BY NEW (OR REUSED) CIRCUITS AS INDICATED.
- EXTEND OR RELOCATE ALL EXISTING CIRCUITS AND RELATED ITEMS SERVING EXISTING UTILIZATION OR OTHER EQUIPMENT WHERE SUCH CIRCUITS OR ITEMS ARE DISRUPTED DUE TO DEMOLITION ACTIVITIES OF ANY DIVISION OF THIS PROJECT. RELOCATE ALL EXISTING JUNCTION BOXES OR SIMILAR ITEMS THAT WILL BE RENDERED INACCESSIBLE BY NEW CONSTRUCTION FURNISHED UNDER ANY DIVISION OF THIS PROJECT. PROVIDE ANY AND
- ALL TEMPORARY ELECTRICAL SUPPLY (SUPPLIES) AS NEEDED TO MEET THIS REMOVE ALL ABANDONED CIRCUITS BACK TO THE POINT OF SUPPLY OR BACK TO THE POINT WHERE OTHER REMAINING LOADS ARE CONNECTED. LABEL ANY UNUSED
- OVERCURRENT DEVICES AS "SPARE". WHERE EQUIPMENT OR DEVICES ARE REMOVED AND NOT REPLACED BY A SIMILAR ITEM OR EQUIPMENT, REPAIR WALL SURFACES TO MATCH EXISTING SURROUNDING SURFACE. PAINT
- PROVIDE NEW SUPPORT(S) OR RE-SUPPORT AS REQUIRED ALL EXISTING CONDUIT, JUNCTION BOXES, CABLES, AND/OR OTHER ELECTRICAL ITEMS AS REQUIRED TO MEET THE SUPPORT REQUIREMENTS OF THE PRESENT PROJECT. PROVIDE NEW, OR REWORK EXISTING, FIRE STOPPING AT ALL THROUGH-PENETRATIONS
- OF CONDUIT OR OTHER ELECTRICAL ITEMS THAT WILL REMAIN AT THE CONCLUSION OF THE PROJECT. FIRE STOPPING PROVIDED FOR EXISTING ITEMS MUST MEET THE REQUIREMENTS OF THE PRESENT PROJECT. WHERE EXISTING FIXTURES ARE TO BE REUSED, USE MILD DETERGENT AND CLEAN ALL
- INTERIOR AND EXTERIOR SURFACES. REPLACE LAMPS AND BALLAST'S AND ANY MISSING OR BROKEN ELECTRICAL PARTS. ALL FLUORESCENT LAMPS ARE TO BE COOL WHITE. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING ALL PHASES OF CONSTRUCTION.
- CIRCUIT NUMBERING IN PARENTHESIS () ARE BASED ON PREVIOUS PROJECT DOCUMENTATION ARE PROVIDED IN GOOD FAITH AND ARE BELIEVED TO BE ACCURATE. CONTRACTOR IS TO VERIFY EXISTING CIRCUITING AND CONSULT ENGINEER IF SERIOUS DISCREPENSIES EXIST.

PLAN LEGEND

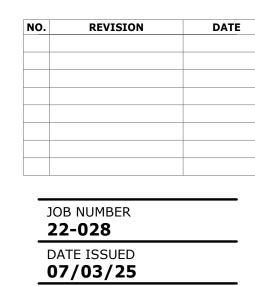
AS REQUIRED TO MATCH EXISTING FINISHES.

■ ■ ■ ■ ■ 2-HOUR RATED FIRE BARRIER

AREA NOT IN SCOPE







PROJECT STATUS
ISSUED FOR BID

LEVEL C -ELECTRICAL DEMOLITION PLAN

ED101

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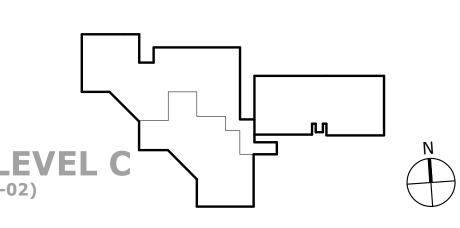
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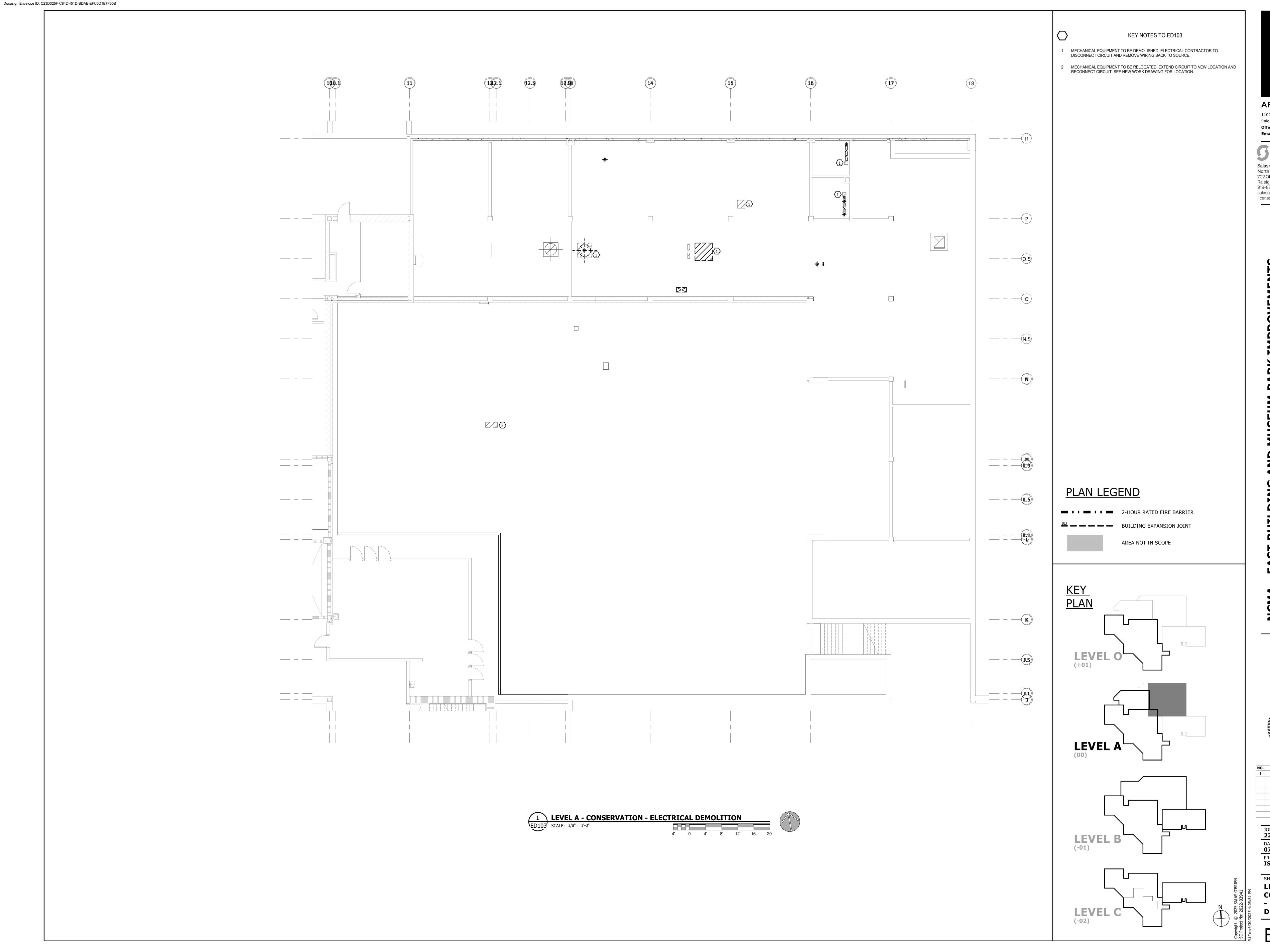


JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS

ISSUED FOR BID LEVEL B -**CONSERVATION**

- ELECTRICAL

DEMOLITION





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JOB NUMBER **22-028**

DATE ISSUED
07/03/25
PROJECT STATUS
ISSUED FOR BID

LEVEL A -CONSERVATION
- ELECTRICAL **DEMOLITION**

KEY NOTES TO ED200

- 1 EXISTING CEILING TO BE REMOVED. REMOVE ALL EXISTING CEILING MOUNTED LIGHTING, FIRE ALARM, AND RECEPTACLES IN THE DEMOLISHED KITCHEN CEILING. EXISTING LIGHTING CIRCUITS TO REMAIN AND MADE READY FOR RECONNECTION. EXISTING RECEPTACLE CIRCUITS SHALL BE REMOVED BACK TO SOURCE.
- 2 DEMOLISH EXISTING LOAD CENTER BENEATH COUNTER, FEEDER, AND ASSOCIATED CIRCUITS. PATCH FLOOR AS REQUIRED.
- 3 DEMOLISH CONNECTION TO EXISTING EQUIPMENT UNDER ALTERNATE BID #2. EXISTING
- 4 DEVICES TO BE DEMOLISHED, EXISTING CIRCUIT SHALL REMAIN. MAKE READY FOR

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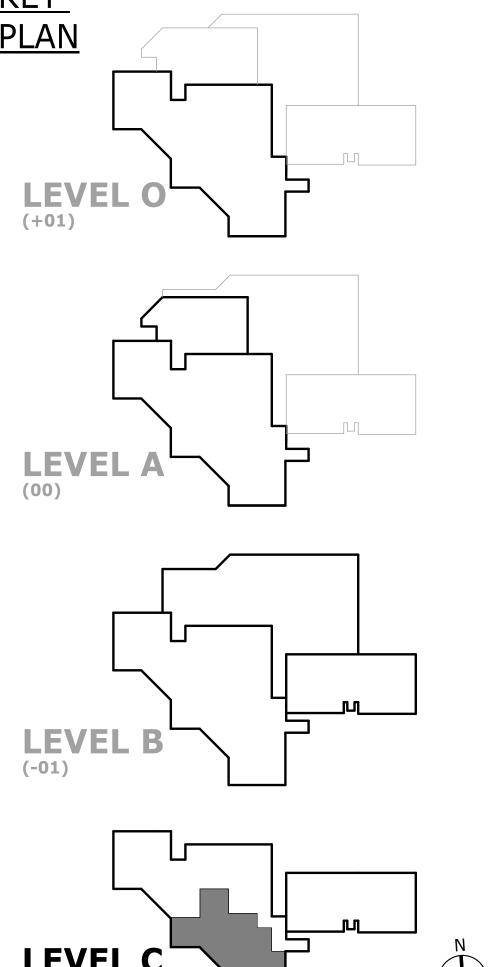
ELECTRICAL DEMOLITION NOTES

(ER) EXISTING ELECTRICAL ITEM TO REMAIN. REFEED FROM EXISTING CIRCUITING IF DEMOLITION IN ADJACENT AREAS DISCONNECT EXISTING CIRCUITING.

- (R) EXISTING ELECTRICAL ITEM TO BE REMOVED INCLUDING ALL WIRING, CONDUIT AND ALL DEMOLITION WORK IS TO BE COORDINATED WITH PHASING OF CONSTRUCTION AND BID
- ALTERNATES AS OUTLINED ON ARCHITECTURAL SHEETS. REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND RELATED ITEMS FROM ALL WALLS, CEILINGS, FLOORS, AND/OR PORTIONS OF SAME INDICATED AS BEING DEMOLISHED BY ANY DIVISION OF THE CONTRACT DOCUMENT SET OR INDICATED ELSEWHERE IN THE CONTRACT DOCUMENT SET AS REQUIRING ELECTRICAL
- REMOVE ALL LIGHTING FIXTURES AND RELATED ITEMS FROM THE DEMOLITION AREA OR OTHER AREAS WHERE NEW LIGHTING FIXTURES ARE TO BE INSTALLED. EXISTING CONDUIT OR CABLE SERVING ITEMS OUTSIDE THE DEMOLITION AREA MAY REMAIN IF THEY ARE CONCEALED BY THE NEW CONSTRUCTION AND MEET THE SPECIFICATIONS REQUIREMENTS OF THE PRESENT PROJECT. NEW FIXTURES ARE TO BE SUPPLIED BY NEW (OR REUSED)
- EXTEND OR RELOCATE ALL EXISTING CIRCUITS AND RELATED ITEMS SERVING EXISTING UTILIZATION OR OTHER EQUIPMENT WHERE SUCH CIRCUITS OR ITEMS ARE DISRUPTED DUE TO DEMOLITION ACTIVITIES OF ANY DIVISION OF THIS PROJECT. RELOCATE ALL EXISTING JUNCTION BOXES OR SIMILAR ITEMS THAT WILL BE RENDERED INACCESSIBLE BY NEW CONSTRUCTION FURNISHED UNDER ANY DIVISION OF THIS PROJECT. PROVIDE ANY AND ALL TEMPORARY ELECTRICAL SUPPLY (SUPPLIES) AS NEEDED TO MEET THIS
- REMOVE ALL ABANDONED CIRCUITS BACK TO THE POINT OF SUPPLY OR BACK TO THE POINT WHERE OTHER REMAINING LOADS ARE CONNECTED. LABEL ANY UNUSED
- WHERE EQUIPMENT OR DEVICES ARE REMOVED AND NOT REPLACED BY A SIMILAR ITEM OR EQUIPMENT, REPAIR WALL SURFACES TO MATCH EXISTING SURROUNDING SURFACE. PAINT
- PROVIDE NEW SUPPORT(S) OR RE-SUPPORT AS REQUIRED ALL EXISTING CONDUIT, JUNCTION BOXES, CABLES, AND/OR OTHER ELECTRICAL ITEMS AS REQUIRED TO MEET THE
- SUPPORT REQUIREMENTS OF THE PRESENT PROJECT. PROVIDE NEW, OR REWORK EXISTING, FIRE STOPPING AT ALL THROUGH-PENETRATIONS OF CONDUIT OR OTHER ELECTRICAL ITEMS THAT WILL REMAIN AT THE CONCLUSION OF THE PROJECT. FIRE STOPPING PROVIDED FOR EXISTING ITEMS MUST MEET THE
- REQUIREMENTS OF THE PRESENT PROJECT. WHERE EXISTING FIXTURES ARE TO BE REUSED, USE MILD DETERGENT AND CLEAN ALL INTERIOR AND EXTERIOR SURFACES. REPLACE LAMPS AND BALLAST'S AND ANY MISSING OR BROKEN ELECTRICAL PARTS. ALL FLUORESCENT LAMPS ARE TO BE COOL WHITE.
- CIRCUIT NUMBERING IN PARENTHESIS () ARE BASED ON PREVIOUS PROJECT DOCUMENTATION ARE PROVIDED IN GOOD FAITH AND ARE BELIEVED TO BE ACCURATE. CONTRACTOR IS TO VERIFY EXISTING CIRCUITING AND CONSULT ENGINEER IF SERIOUS

2-HOUR RATED FIRE BARRIER

AREA NOT IN SCOPE





JOB NUMBER 22-028 DATE ISSUED 07/03/25

PROJECT STATUS
ISSUED FOR BID

LEVEL C -ENLARGED KITCHEN DEMOLITION



ARCHITECTURE 1100 Dresser Court

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



JOB NUMBER **22-028** DATE ISSUED 07/03/25 PROJECT STATUS
ISSUED FOR BID

LEVEL C - POWER

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

Salas O'Brien

Salas O'Brien North Carolina, Inc. 702 Oberlin Road, Suite 300

JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS

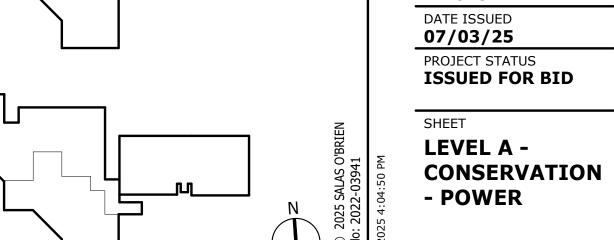
ISSUED FOR BID LEVEL B -CONSERVATION - POWER

ARCHITECTURE 1100 Dresser Court Raleigh, NC 27609

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



E103

SEAL 039503

JOB NUMBER 22-028



ARCHITECTURE

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JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

LEVEL C -LIGHTING



ARCHITECTURE

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07/03/25 PROJECT STATUS

ISSUED FOR BID

LEVEL B -CONSERVATION - LIGHTING



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DATE ISSUED 07/03/25 PROJECT STATUS

ISSUED FOR BID LEVEL A -



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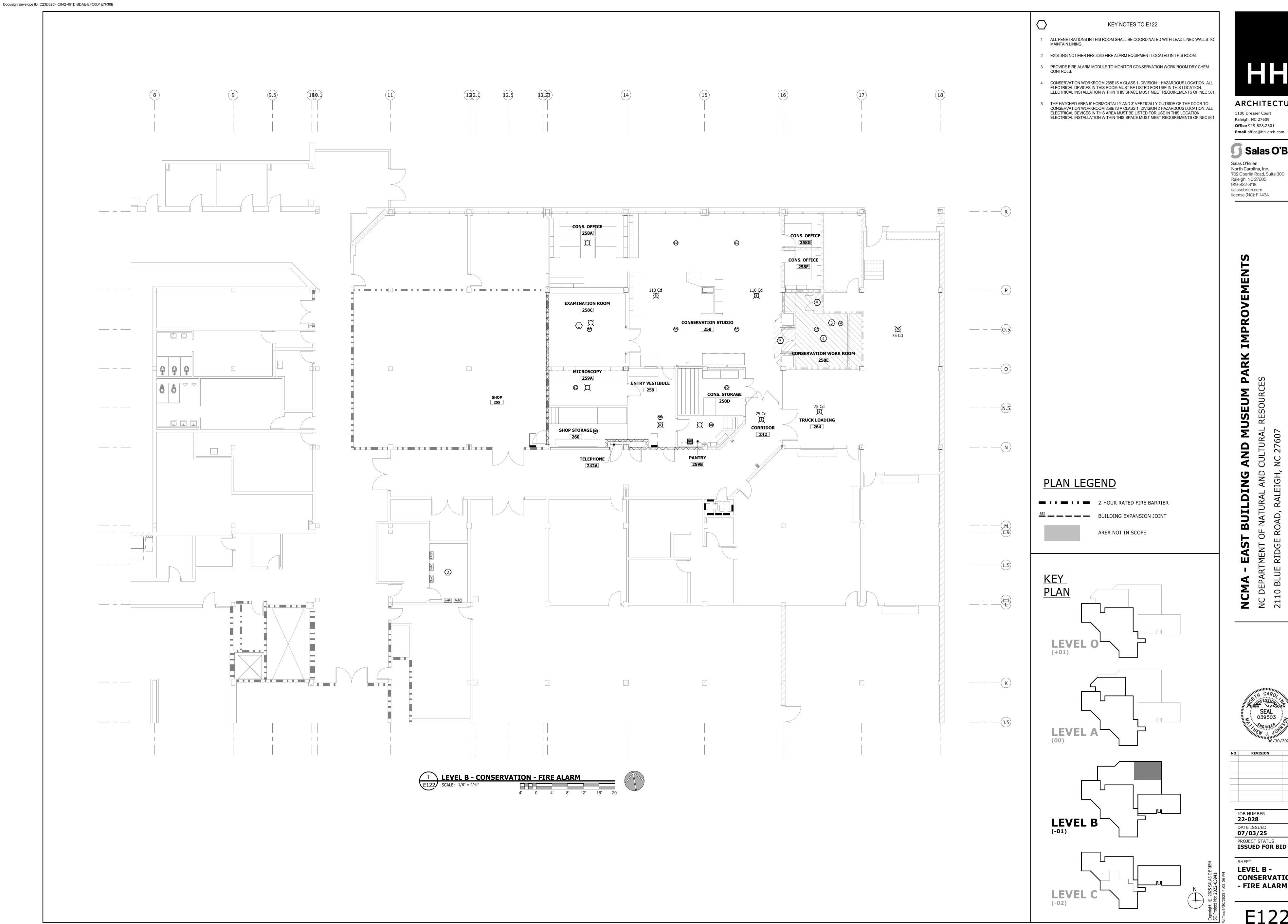
JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

LEVEL C - FIRE ALARM

E121

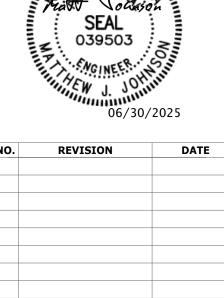




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JOB NUMBER **22-028** DATE ISSUED
07/03/25
PROJECT STATUS
ISSUED FOR BID

LEVEL B -CONSERVATION
- FIRE ALARM



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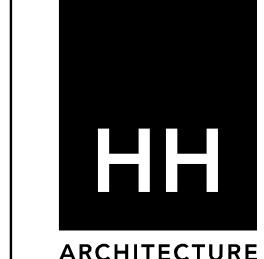
license (NC): F-1434

JOB NUMBER
22-028

DATE ISSUED
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PROJECT STATUS
ISSUED FOR BID

LEVEL A -CONSERVATION - FIRE ALARM



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JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

LEVEL A -CLASSROOM -ELECTRICAL

E131



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

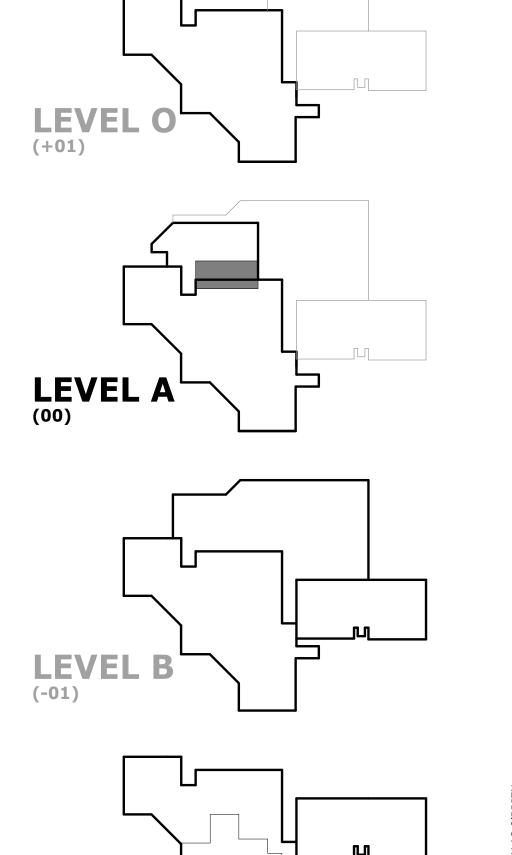
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2-HOUR RATED FIRE BARRIER

AREA NOT IN SCOPE





JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

LEVEL A -CLASSROOM -FIRE ALARM

KEY NOTES TO ED101.1

- ALL EXISTING ELECTRICAL EQUIPMENT TO REMAIN, INCLUDING PANELS,
- DEMOLISH EXISTING CIRCUITS BACK TO SOURCE. CIRCUIT BREAKER TO REMAIN FOR
- DEMOLISH CIRCUIT ASSOCIATED WITH HVAC EQUIPMENT TO BE REMOVED. REMOVE

ASSOCIATED CIRCUIT BREAKER.

ELECTRICAL DEMOLITION NOTES

- (ER) EXISTING ELECTRICAL ITEM TO REMAIN. REFEED FROM EXISTING CIRCUITING IF DEMOLITION IN ADJACENT AREAS DISCONNECT EXISTING CIRCUITING.
- (R) EXISTING ELECTRICAL ITEM TO BE REMOVED INCLUDING ALL WIRING, CONDUIT AND ASSOCIATED ELECTRICAL ITEMS.
- BID ALTERNATES AS OUTLINED ON ARCHITECTURAL SHEETS. REMOVE ALL ELECTRICAL CONDUIT, CABLE, WIRING, DEVICES, JUNCTION BOXES, FITTINGS, AND RELATED ITEMS FROM ALL WALLS, CEILINGS, FLOORS, AND/OR PORTIONS OF SAME INDICATED AS BEING DEMOLISHED BY ANY DIVISION OF THE CONTRACT DOCUMENT SET OR INDICATED ELSEWHERE IN THE CONTRACT DOCUMENT SET AS
- REMOVE ALL LIGHTING FIXTURES AND RELATED ITEMS FROM THE DEMOLITION AREA OR OTHER AREAS WHERE NEW LIGHTING FIXTURES ARE TO BE INSTALLED. EXISTING CONDUIT OR CABLE SERVING ITEMS OUTSIDE THE DEMOLITION AREA MAY REMAIN IF THEY ARE CONCEALED BY THE NEW CONSTRUCTION AND MEET THE SPECIFICATIONS REQUIREMENTS OF THE PRESENT PROJECT. NEW FIXTURES ARE TO BE SUPPLIED BY
- EXTEND OR RELOCATE ALL EXISTING CIRCUITS AND RELATED ITEMS SERVING EXISTING UTILIZATION OR OTHER EQUIPMENT WHERE SUCH CIRCUITS OR ITEMS ARE DISRUPTED DUE TO DEMOLITION ACTIVITIES OF ANY DIVISION OF THIS PROJECT. RELOCATE ALL EXISTING JUNCTION BOXES OR SIMILAR ITEMS THAT WILL BE RENDERED INACCESSIBLE BY NEW CONSTRUCTION FURNISHED UNDER ANY DIVISION OF THIS PROJECT. PROVIDE ANY AND ALL TEMPORARY ELECTRICAL SUPPLY (SUPPLIES) AS NEEDED TO MEET THIS
- REMOVE ALL ABANDONED CIRCUITS BACK TO THE POINT OF SUPPLY OR BACK TO THE POINT WHERE OTHER REMAINING LOADS ARE CONNECTED. LABEL ANY UNUSED OVERCURRENT DEVICES AS "SPARE".
- WHERE EQUIPMENT OR DEVICES ARE REMOVED AND NOT REPLACED BY A SIMILAR ITEM OR EQUIPMENT, REPAIR WALL SURFACES TO MATCH EXISTING SURROUNDING SURFACE. PAINT AS REQUIRED TO MATCH EXISTING FINISHES.
- PROVIDE NEW SUPPORT(S) OR RE-SUPPORT AS REQUIRED ALL EXISTING CONDUIT, JUNCTION BOXES, CABLES, AND/OR OTHER ELECTRICAL ITEMS AS REQUIRED TO MEET THE SUPPORT REQUIREMENTS OF THE PRESENT PROJECT.
- 8 PROVIDE NEW, OR REWORK EXISTING, FIRE STOPPING AT ALL THROUGH-PENETRATIONS OF CONDUIT OR OTHER ELECTRICAL ITEMS THAT WILL REMAIN AT THE CONCLUSION OF THE PROJECT. FIRE STOPPING PROVIDED FOR EXISTING ITEMS MUST MEET THE
- 9 WHERE EXISTING FIXTURES ARE TO BE REUSED, USE MILD DETERGENT AND CLEAN ALL INTERIOR AND EXTERIOR SURFACES. REPLACE LAMPS AND BALLAST'S AND ANY MISSING OR BROKEN ELECTRICAL PARTS. ALL FLUORESCENT LAMPS ARE TO BE COOL 10 PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN
- SERVICE DURING ALL PHASES OF CONSTRUCTION. 11 CIRCUIT NUMBERING IN PARENTHESIS () ARE BASED ON PREVIOUS PROJECT DOCUMENTATION ARE PROVIDED IN GOOD FAITH AND ARE BELIEVED TO BE ACCURATE. CONTRACTOR IS TO VERIFY EXISTING CIRCUITING AND CONSULT ENGINEER IF SERIOUS DISCREPENSIES EXIST.



ARCHITECTURE 1100 Dresser Court

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

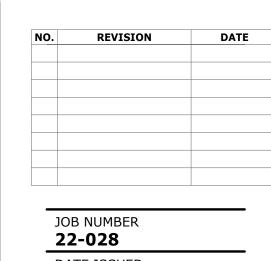
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NCMA EAST BUILDING

> DATE ISSUED 07/03/25 PROJECT STATUS
> ISSUED FOR BID

AMPHITHEATER RESTROOMS -**ELECTRICAL DEMOLITION**

ED101.1

- 3 EXISTING TELECOMMUNICATIONS EQUIPMENT WITH SPARE FIBER CONNECTIONS.
 ROUTE FIBER FOR POLE MOUNTED CAMERAS AND WIFI ACCESS POINTS ON SITE BACK
 TO THIS LOCATION. SEE SITE PLAN FOR DEVICE LOCATIONS.



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JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
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AMPHITHEATER RESTROOMS -ELECTRICAL FLOORPLAN



KEY NOTES TO E101.2

ARCHITECTURE

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JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

PAVILION PLAN

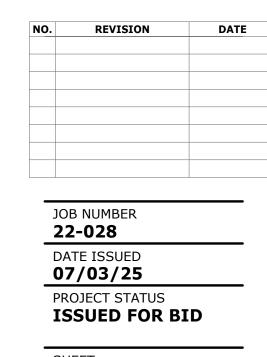
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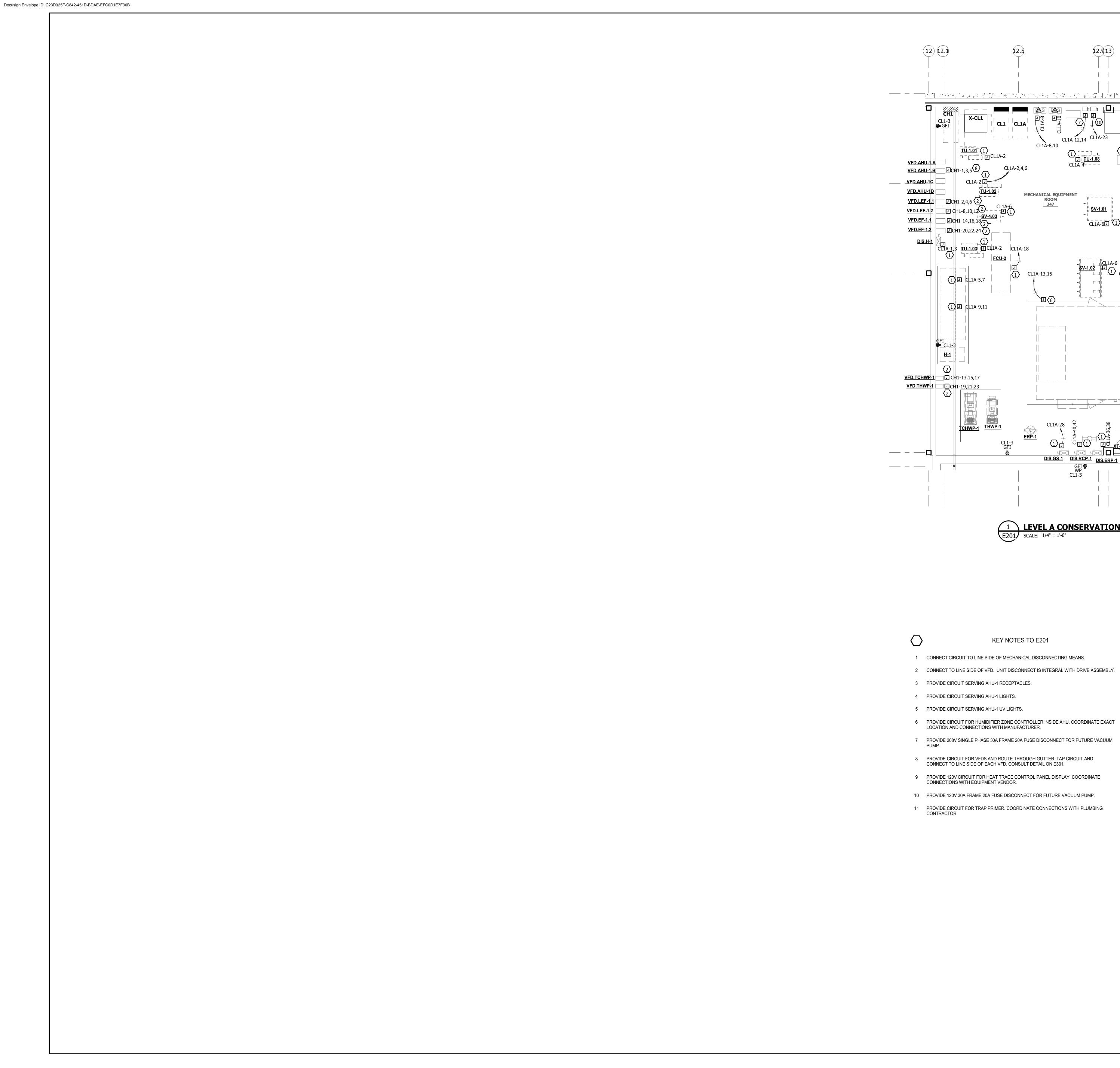
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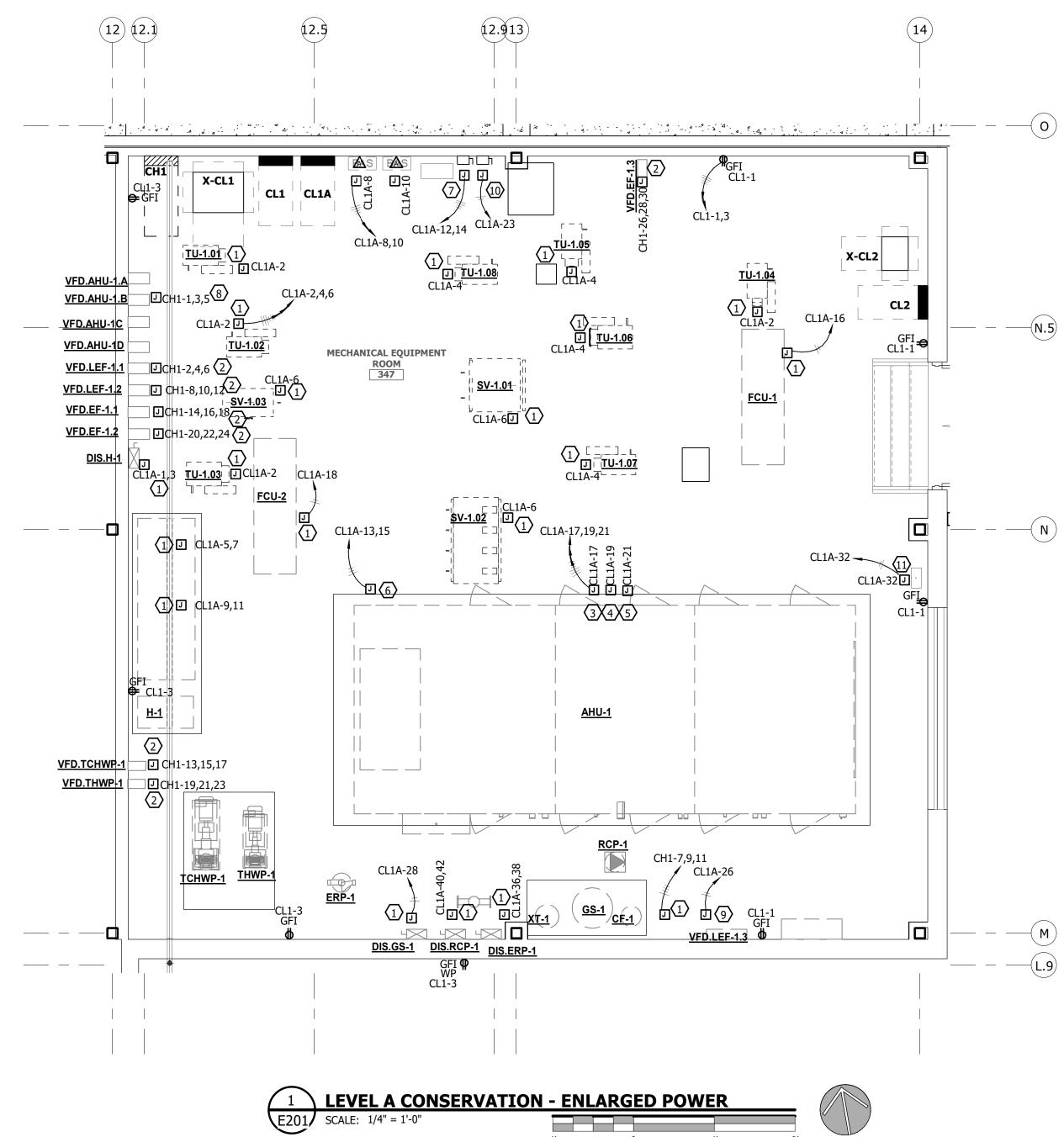




ENLARGED KITCHEN PLAN -LEVEL C ELECTRICAL

E200



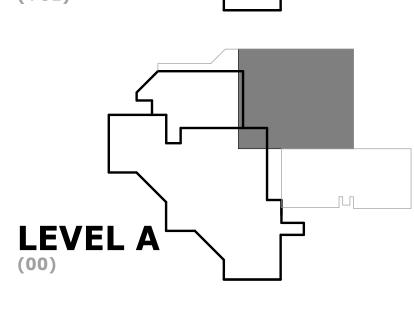


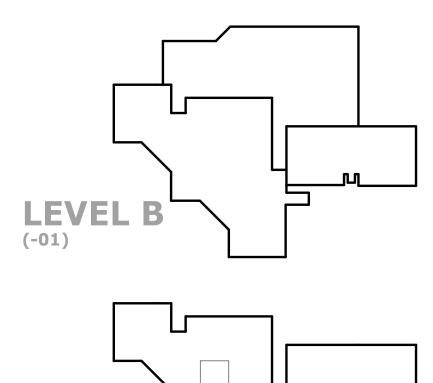
KEY NOTES TO E201

PLAN LEGEND

BUILDING EXPANSION JOINT AREA NOT IN SCOPE <u>KEY</u> <u>PLAN</u> LEVEL O (+01)

■ ■ ■ ■ ■ 2-HOUR RATED FIRE BARRIER





LEVEL C (-02)

JOB NUMBER
22-028

DATE ISSUED
07/03/25

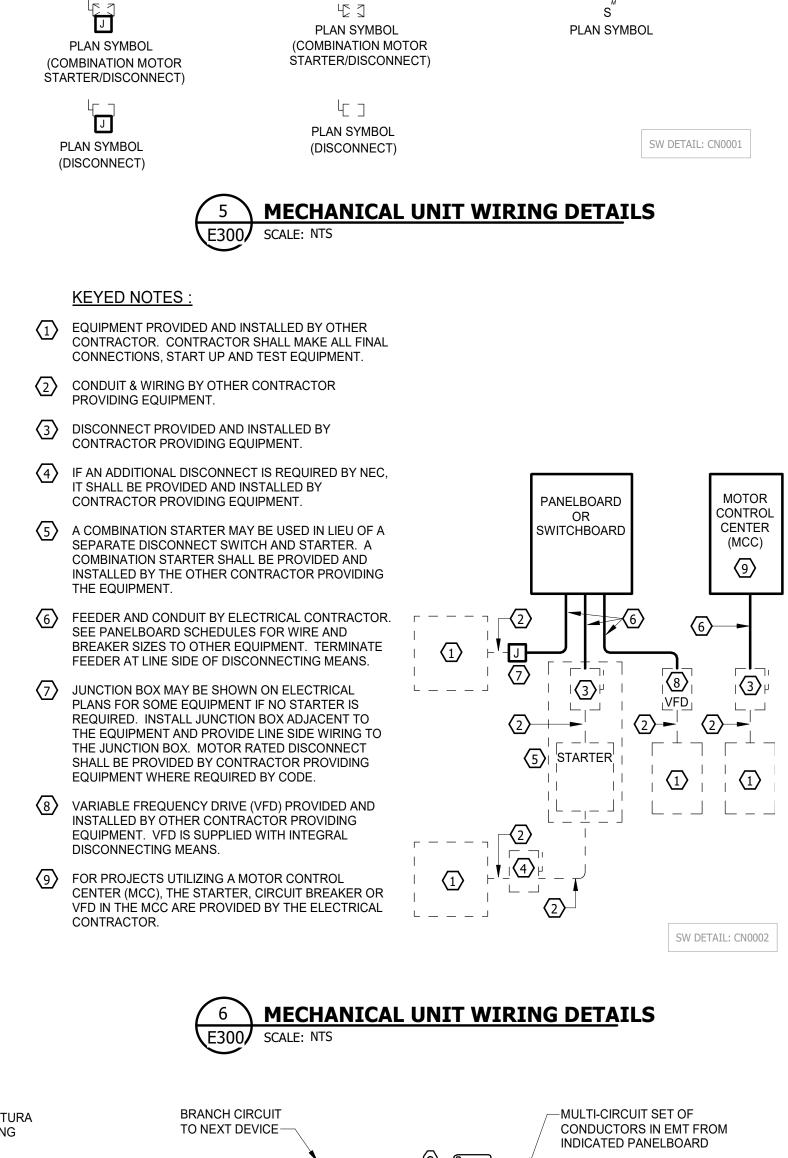
PROJECT STATUS
ISSUED FOR BID

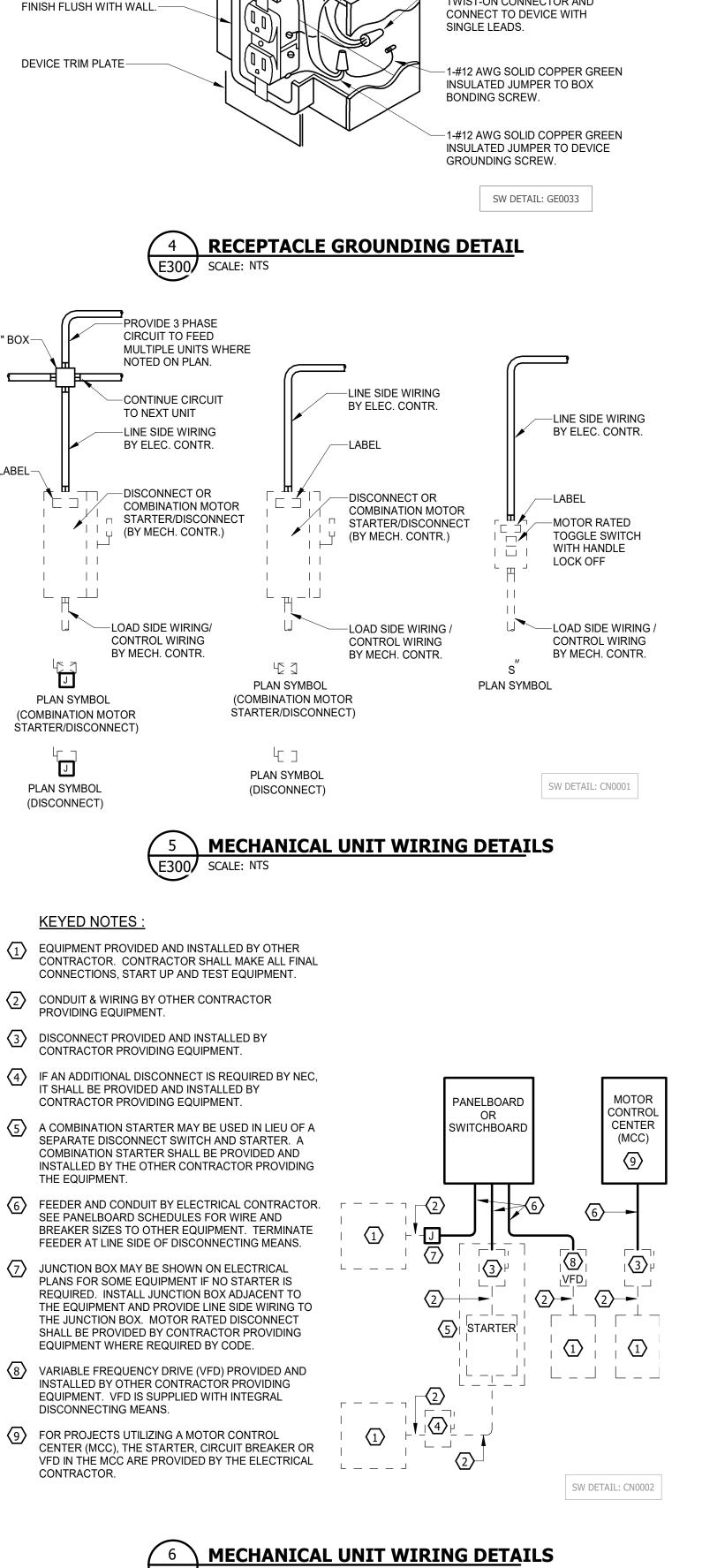
ENLARGED PLANS -CONSERVATION E201

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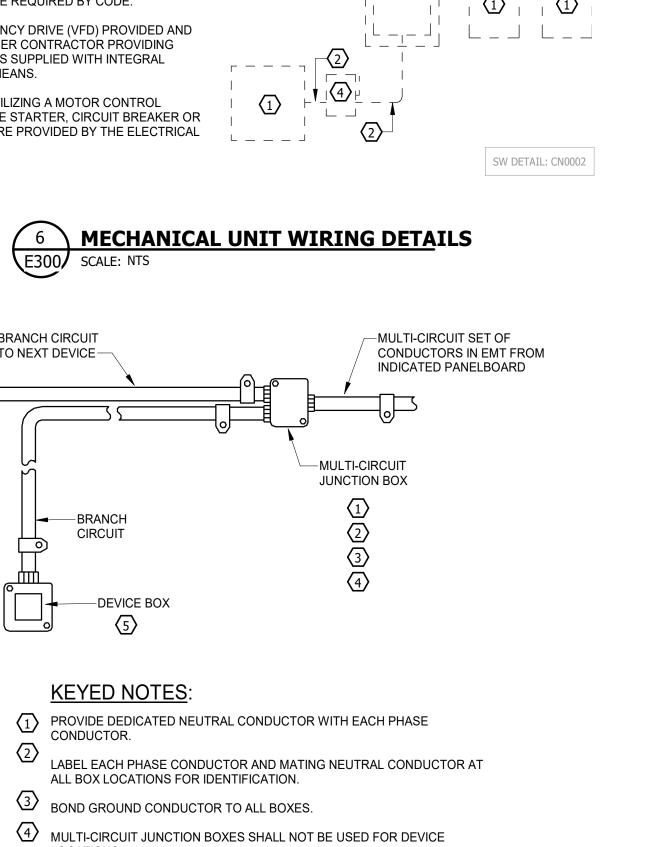


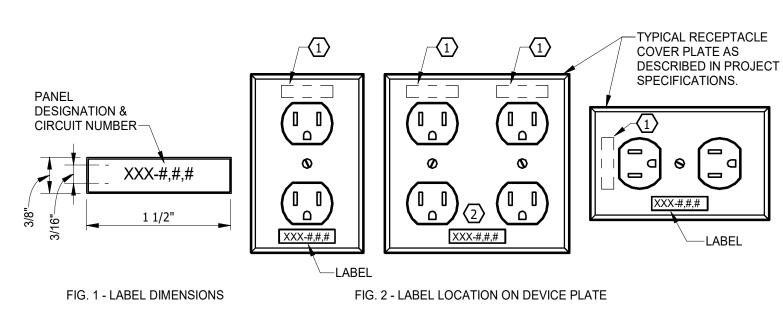


BRANCH CIRCUIT CONDUIT

MAKE CIRCUIT JOINT WITH

TWIST-ON CONNECTOR AND





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

(1) 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.

7 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.

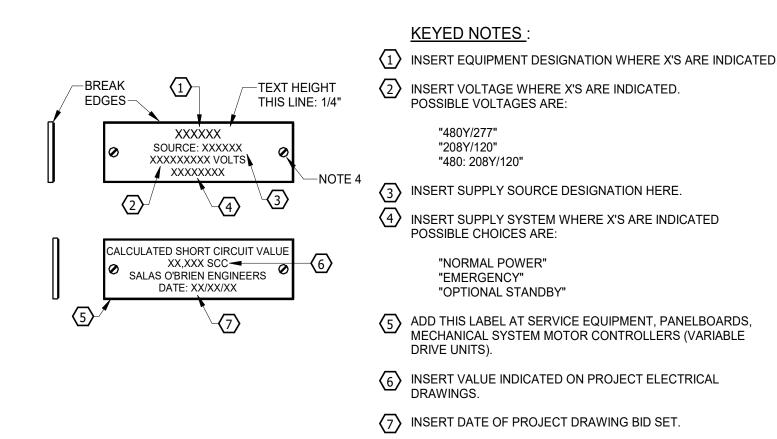
> 1 DEVICE LABELS E300 SCALE: NTS

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: NORMAL SYSTEM 480Y/277V: BLACK BACKGROUND/WHITE LETTERS NORMAL SYSTEM 208Y/120V: BLUE BACKGROUND/WHITE LETTERS GREEN BACKGROUND/WHITE LETTERS EMERGENCY: YELLOW BACKGROUND/BLACK LETTERS **OPTIONAL STANDBY:**

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.

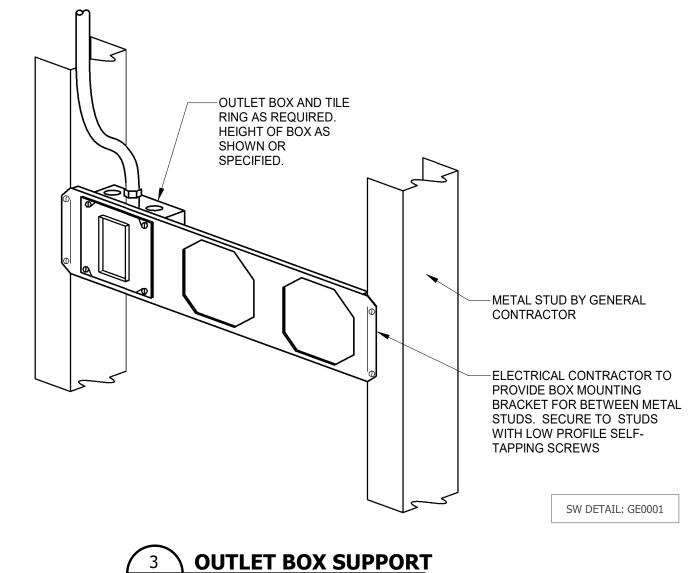


SW DETAIL: LA0003 R2

SW DETAIL: LA0002



E300 SCALE: NTS





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REVISION

JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS **ISSUED FOR BID**

SHEET **ELECTRICAL DETAILS**

14 FLOOR BOX DETAIL E300 SCALE: NTS

POKE THROUGH TYPE BOX POKE THROUGH TYPE BOX

NEMA 6P RATED OUTDOOR BOX

DUPLEX QTY DATA TYPE/QTY DATA CONDUIT SIZE A/V SPACE A/V CONDUIT SIZE

SW DETAIL: GE0042

MULTI-CIRCUIT HOMERUN WIRING DETAIL E300 SCALE: NTS

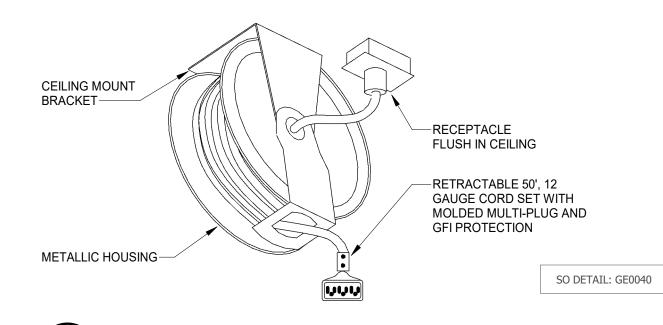
5 DEVICE BOX SHALL NOT BE USED FOR MULTI-CIRCUIT DISTRIBUTION.

10 DEDICATED SPACE FOR ELECTRICAL EQUIPMENT

E300 SCALE: NTS

E300

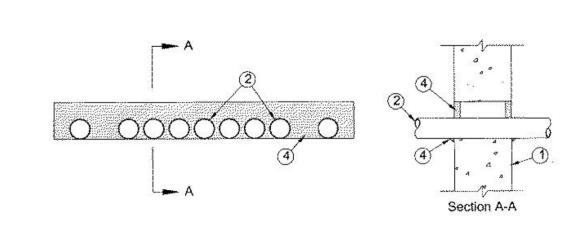
SUPPORT PANEL FOR LAY-IN CEILING (AS DETAILED ON ARCHITECTURAL PLANS)



5 RETRACTABLE CORD REEL WITH RECEPTACLE E301 SCALE: NOT TO SCALE

System No. W-J-1100 December 09, 2008

F Rating — 2 Hr T Ratings — 1/4, 3/4 and 1 Hr (See Items 2 and 4)



1. **Wall Assembly** — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 216 sq in. (0.14 m²) with a max dimension of 36 in. (914 mm).

> See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants** — Multiple pipes or conduits installed in single layer array within the firestop system. The annular space between the pipes and conduits and the edges of the opening shall be min 0 in. (point contact) to max 2 in. (51 mm). The separation between pipes and conduits to be min 1/4 in. (6 mm) to max 3 in. (76 mm). Pipes and conduits to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipe or conduit may be used:

> A. **Steel Pipe** — Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel B. Conduit — Nom 4 in (102 mm) diam (or

smaller) rigid steel conduit or steel electrical

1/4 hr. Otherwise, T Rating is 3/4 hr or

metallic tubing (EMT). When nom diam of pipe or conduit is greater than 2 in. (51 mm), T Rating is

3. **Forming Material** — (Optional, Not Shown) - Foam backer rod, mineral wool batt insulation or glass fiber insulation packed into opening and recessed min 5/8 in. (16 mm) from each surface of the wall to accommodate

1 hr as detailed in Item 4.

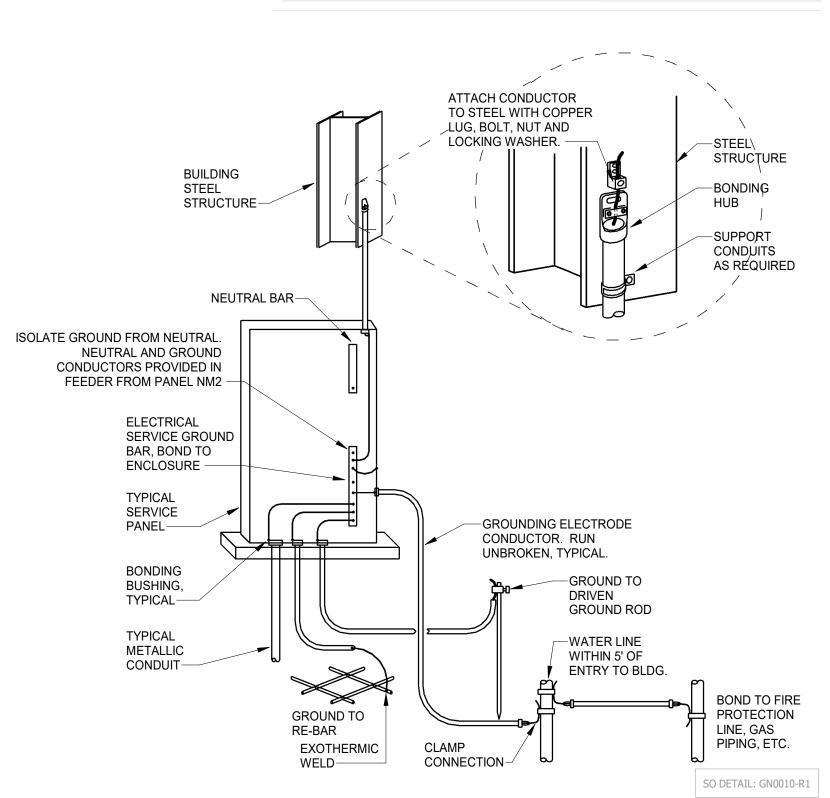
fill material (Item 4). 4. Fill, Void or Cavity Materials* - Sealant — Min 5/8 in. (16 mm) thickness of fill material installed to completely fill annular space between pipes, conduits and gypsum wallboard flush with each surface of wall. Min 1/4 in. (6 mm) diam bead of fill material applied to the pipe/wall interface at the point contact locations on both sides of the wall.

SPECIFIED TECHNOLOGIES INC — SpecSeal LC150 Sealant, SpecSeal Series SSS Sealant, SpecSeal LCI Sealant, SpecSeal LE600 Sealant. When SpecSeal LC150 Sealant or SpecSeal LE600 Sealant is used with max 2 in. (51 mm) diam pipe or conduit, T Rating is 3/4 hr. When SpecSeal LCI or SpecSeal Series SSS Sealant is used with max 2 in. (51 mm) diam pipe or conduit, T Rating is 1 hr.

* Indicates such products shall bear the UL or **cUL Certification Mark for jurisdictions** employing the UL or cUL Certification (such as Canada), respectively.

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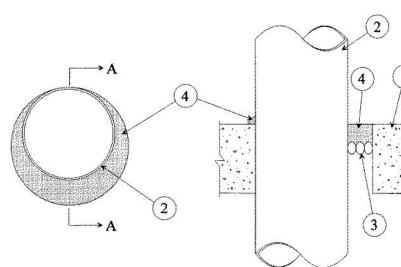
Last Updated on 2008-12-09



4 YPANEL PH1 GROUNDING AND BONDING E301 SCALE: NTS

System No. C-AJ-1044 March 15, 2007

F Ratings — 2, 3, and 4 Hr (See Items 2A and 4) T Rating — 0 Hr L Rating At Ambient — 2 CFM/sq ft L Rating At 400 F — less than 1 CFM/sq ft W Rating — Class 1 (See Item 4)



SECTION A-A

1. Floor or Wall Assembly — Lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Except as noted in table under Item 4, min thickness of solid concrete floor or wall assembly is 4-1/2 in. (114 mm). Floor may also be constructed of any min 6 in.(152 mm) thick UL Classified hollow core Precast Concrete Units*. When floor is constructed of hollow core precast concrete units, packing material (Item 3) and caulk fill material (Item 4) to be installed symmetrically on both sides of floor, flush with floor surface. Wall assembly may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening in solid lightweight or normal weight concrete floor is 32 in. (813 mm). Max diam of opening in floor constructed of hollow-core precast concrete units is 7 in. (178 mm)

See Concrete Blocks (CAZT) and Precast Concrete **Units** (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

1A. **Steel Sleeve** — (Optional, Not Shown) - Nom 16 in. (406 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 2 in. (51 mm) above top of floor or beyond either surface of wall. As an alternate, nom 16 in. (406 mm) diam (or smaller) min 0.028 (0.71 mm) thick galvanized sheet steel sleeve cast or grouted into floor or wall assembly flush with floor or wall surfaces. 2. **Through Penetrants** — One metallic pipe, conduit

or tubing to be installed either concentrically or eccentrically within the firestop system. Max annular space between pipe, conduit or tubing and edge of through opening or sleeve is dependent on the parameters shown in Item 4. Min annular space between pipe or conduit and edge of through opening is 0 in. (point contact). Max annular space to be as shown in the table in Item 4. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

> A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
> B. **Iron Pipe** — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe. C. Conduit — Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit. D. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing. E. **Copper Tubing** — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper

F. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. 3. **Packing Material** — Polyethylene backer rod or nom 1 in. (25 mm) thickness of tightly-packed mineral wool batt or glass fiber insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of caulk fill material (Item 4). 3A. **Forming Material*** — As an alternate to the packing material in Item 3, nom 4 in. (102 mm) wide strips of min 1/2 in (13 mm) thick compressible mat to be stacked to a thickness greater than the width of the annular space and compression-fitted, edge-first, to fill the annular space to a min 4 in. (102 mm) depth. As an option, the strips of min 1/2 in. (13mm) thick compressible mat may be folded in half, lengthwise, and stacked to a thickness greater than the width of the annular space and compression-fitted, edge-first, to fill the annular space to a min 2 in. (51 mm) depth. Top of forming material to be recessed from top surface of floor or from both surfaces of wall as necessary to accommodate the required thickness of caulk fill

3M COMPANY — Fire Barrier Packing Material

4. Fill, Void or Cavity Material* — Caulk, Sealant Applied to fill the annular space flush with top surface of floor. In wall assemblies, required caulk thickness to be installed symmetrically on both sides of wall, flush with wall surface. At point contact location between penetrant and sleeve or between penetrant and concrete, a min 1/4 in. (6 mm) diam bead of caulk shall be applied at top surface of floor and at both surfaces of wall. The hourly F Ratings and the min required caulk thicknesses are dependent upon a number of parameters, as shown in the following table:

Min Floor or Wall Thkns In.	Nom Pipe Tube or Conduit Diam In.	Max Annular Space In.	Min Caulk Thkns In.	F Rating Hr
2-1/2 (64)	1/2-12 (13-305)	1-3/8 (35)	1/2 (13)	2
2-1/2 (64)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	2
4-1/2 (114)	1/2-6 (13-152)	1-3/8 (35)	1/4 (6) (a)	2
4-1/2 (114)	1/2-12 (13-305)	1-1/4 (32)	1/2 (13)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-20 (13-508)	2 (51)	1 (25)	3
4-1/2 (114)	1/2-12 (13-305)	3-1/4 (83)	1 (25)	3
4-1/2 (114)	22-30 (558-762)	2 (51)	2 (51)	3
5-1/2 (140)	1/2-6 (13-152)	1-3/8 (35)	1 (25) (b)	4

(a)Min 2 in (51 mm) thickness of mineral wool batt insulation or forming material (Item 3A) required in annular space. (b)Min 1 in. (25 mm) thickness of mineral wool batt insulation required in annular space on both sides of floor or wall assembly. Min 1 in.(25 mm) thickness of caulk to be installed flush with each surface of floor or wall assembly.

3M COMPANY — CP 25WB+ or FB-3000 WT. (Note - W Rating applies only when FB-3000 WT is

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as

Canada), respectively.

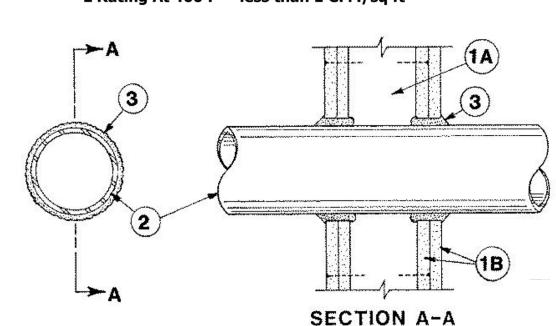
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Last Updated on 2007-03-15

System No. W-L-1001 June 15, 2005

F Ratings -1, 2, 3 and 4 Hr (See Items 2 and 3) T Ratings — 0, 1, 2, 3, and 4 Hr (See Item 3) L Rating At Ambient — less than 1 CFM/sq ft L Rating At 400 F — less than 1 CFM/sq ft



1. **Wall Assembly** — The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features: A. **Studs** — Wall framing may consist of either wood studs (max 2 h fire rated assemblies) or steel channel studs. Wood

studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. **Gypsum Board*** — Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 26 in. (660

2. **Through-Penetrant** — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in / (0 mm). (point contact) to max 2 in. (51 mm) Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used: A. **Steel Pipe** — Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel

> B. **Iron Pipe** — Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. **Conduit** — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in (102 mm) diam (or smaller) steel electrical metallic

D. **Copper Tubing** — Nom 6 in. (152 mm)

diam (or smaller) Type L (or heavier) copper E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. F. Through Penetrating Product* — Flexible Metal Piping The following types of steel flexible metal gas piping may be used: 1. Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both

OMEGA FLEX INC

sides of floor or wall assembly.

2. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

GASTITE, DIV OF TITEFLEX

3. Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.

WARD MFG L L C

3. Fill, Void or Cavity Material* — Caulk or **Sealant** — Min 5/8., 1-1/4,1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the firestop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe

Max Pipe or Conduit Diam In (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0+, 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

or conduit and the hourly fire rating of the wall

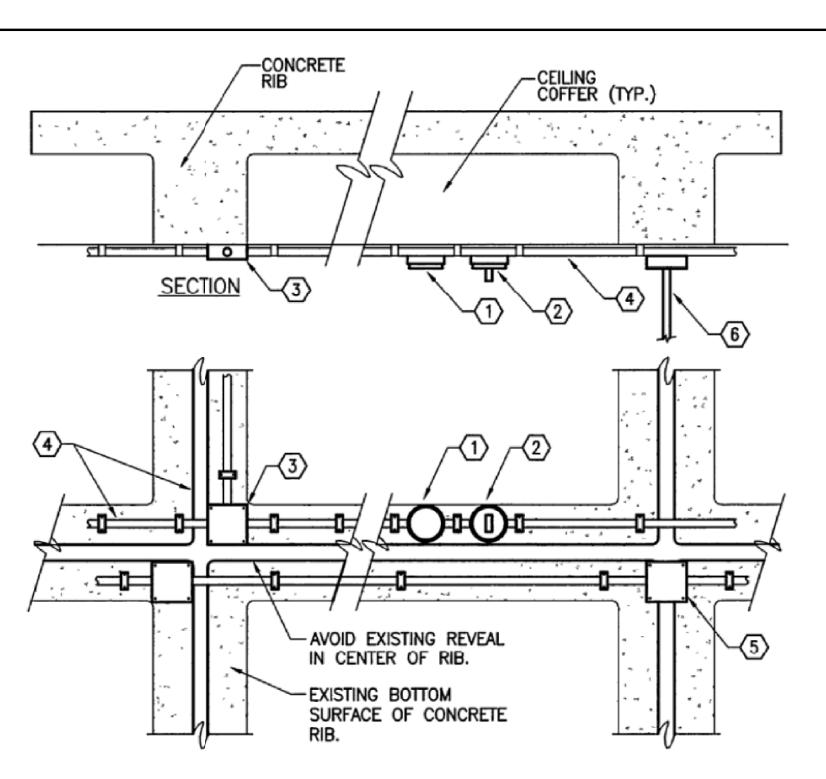
+When copper pipe is used, T Rating is 0 h. **3M COMPANY** — CP 25WB+ or FB-3000 WT

* Indicates such products shall bear the UL or **cUL Certification Mark for jurisdictions** employing the UL or cUL Certification (such as

Canada), respectively.

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Last Updated on 2005-06-15



CEILING VIEW

PROVIDE WHITE FIRE ALARM DEVICES.

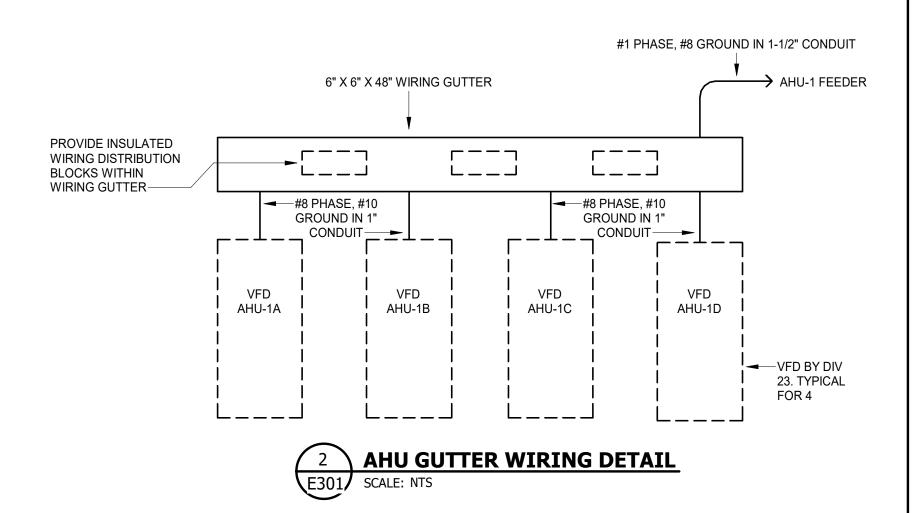
GENERAL NOTES TO 1/E301:

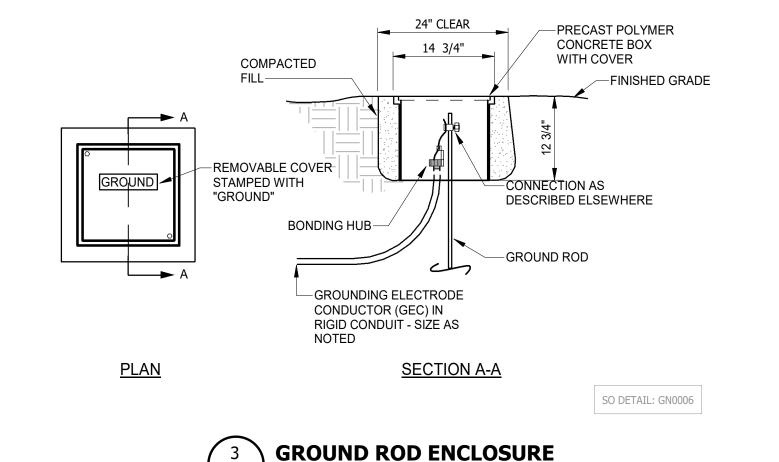
- 2. PRE-PAINT ALL SURFACE RACEWAY, JUNCTION BOXES, AND STRAPS PRIOR TO INSTALLATION AT COFFERED CONSTRUCTION. FIRE ALARM JUNCTION BOXES SHALL BE PAINTED RED. EMERGENCY CIRCUIT JUNCTION BOXES SHALL BE LABELLED WITH PANEL AND CIRCUIT NUMBER.
- 3. COORDINATE ALL CONDUIT RUNS ALONG COFFER RIBS WITH EXISTING OR OTHER SYSTEM RACEWAYS.
- 4. NO POWER ACTUATED ANCHOR DEVICES ARE ALLOWED.

KEYED NOTES TO 1/E301:

- PROVIDE SMOKE DETECTOR DEVICES AS PER PLANS. FIRE ALARM DEVICE BACKBOX SHALL BE PROVIDED BY DEVICE MFG.
- 2 PROVIDE SPEAKER STROBE DEVICES AS PER PLANS. FIRE ALARM DEVICE BACKBOX SHALL BE PROVIDED BY DEVICE MFG.
- PROVIDE JUNCTION BOX WHERE REQUIRED AT INTERSECTIONS OF RIBS TO
- ROUTE ALL CONDUIT TIGHT AND STRAIGHT TO COFFER RIB. RUN CONDUIT LINEAR AND KEEP ALL SECTIONS CONSISTENTLY ALONG ONE SIDE OF RIB
- PROVIDE JUNCTION BOX FOR LIGHT FIXTURE SUPPORT WHERE REQUIRED.
- 6 SUSPENDED LIGHT FIXTURE OR EXIT SIGN AS REQUIRED BY PLANS.







E301 SCALE: NTS

039503

0

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REVISION

JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS **ISSUED FOR BID**

ELECTRICAL DETAILS

	F	OOD SERVICE HOOD CONNECTION S	CHEDULE
MARK	DESCRIPTION	RESPONSIBILITY	REMARKS
1	HOOD CONTROL POWER SOURCE	EXISTING	EXISTING
2	LINE SIDE SUPPLY FAN FEEDER	EXISTING	EXISTING
3	LINE SIDE EXHAUST FAN FEEDER	EXISTING	EXISTING
4	HOOD LIGHT POWER SOURCE	EXISTING	EXISTING
5	FIRE ALARM MONITOR MODULES	EXISTING	EXISTING
6	FIRE ALARM RELAY(S)	EXISTING	EXISTING
7	APPLIANCE CONTACTOR	ELECTRICAL DIVISION	ELECTRICAL DIVISION TO PROVIDE POWER CIRCUIT AND CONNECT HOOD OUTPUT SIGNAL TO APPLIANCE CONTACTOR. ALL APPLIANCES UNDER HOOD SHALL POWER DOWN FROM ACTIVATION OF HOOD SYSTEM.
8	FIRE SUPPRESSION POWER SOURCE	EXISTING	EXISTING
9	LOAD SIDE SUPPLY FAN(S) FEEDER(S)	EXISTING	EXISTING
(10)	LOAD SIDE EXHAUST FAN FEEDER	EXISTING	EXISTING
<u>(11)</u>	MAKE UP AIR FAN SHUTDOWN	EXISTING	EXISTING
(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	EXISTING	EXISTING
<u>(14)</u>	DUCT HIGH TEMPERATURE DETECTION	EXISTING	EXISTING
<u>(15)</u>	MANUAL PULL STATION CABLE	EXISTING	EXISTING



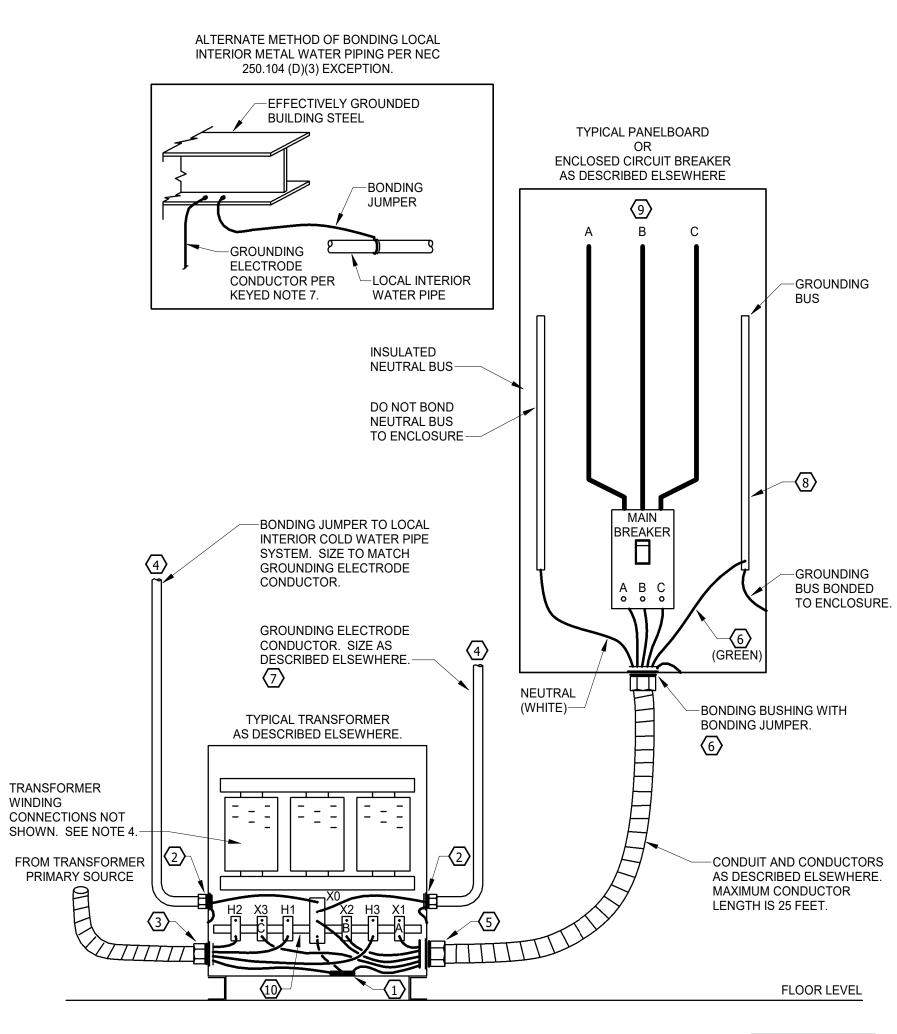
GENERAL NOTES:

- 1. ADJUST TRANSFORMER TAPS TO PROVIDE NOMINAL SECONDARY VOLTAGE UNDER NORMAL TRANSFORMER LOAD CONDITIONS.
- 2. CONNECT TRANSFORMER SECONDARY TERMINALS TO OBTAIN A-B-C CLOCKWISE ROTATION AT THE PANELBOARD BUS. TRANSFORMER TERMINAL CONNECTIONS ARE TYPICAL; EXACT TERMINAL LOCATION MAY VARY WITH TRANSFORMER STYLE OR MANUFACTURER.
- ALL CONNECTIONS TO TRANSFORMER OR PANELBOARD ENCLOSURES SHALL BE MADE WITH LISTED 75° C. TERMINALS. ALL TERMINALS SHALL BE BOLTED TO THE ENCLOSURE WITH SCREWS, LOCK WASHERS, AND NUTS. REMOVE ALL PAINT FROM ENCLOSURE SURFACES PRIOR TO MAKING TERMINATIONS. FURNISHED TERMINALS MAY BE USED IN LIEU OF CONTRACTOR INSTALLED LUGS.
- 4. THREE PHASE TRANSFORMER IS SHOWN. GROUNDING FOR SINGLE PHASE TRANSFORMERS IS IDENTICAL.

5. HOUSEKEEPING PAD BELOW TRANSFORMER NOT SHOWN.

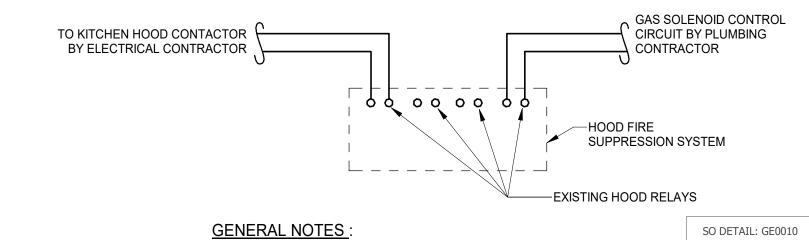
KEYED NOTES:

- PROVIDE BONDING JUMPER TO PANELBOARD BY PASSING JUMPER THROUGH GROUND BAR SECURED TO TRANSFORMER ENCLOSURE. BAR SHALL NOT CONCEAL VENTILATION PROVISIONS IN ENCLOSURE.
- USE A BONDING BUSHING AND JUMPER AT THIS CONDUIT TERMINATION. JUMPER SHOULD BE THE SAME SIZE AS THE GROUNDING CONDUCTOR CONTAINED IN THE
- CONDUIT. (3) CONDUCTORS TO TRANSFORMER PRIMARY ARE PHASE CONDUCTORS AND A GROUNDING CONDUCTOR. THESE CONDUCTORS ARE DESCRIBED ELSEWHERE. NO BONDING BUSHING IS REQUIRED AT THIS CONDUIT TERMINATION.
- 4 USE A BONDING HUB AT THE TERMINATION OF THIS GROUNDING CONDUCTOR CONDUIT RUN TO PHYSICALLY AND ELECTRICALLY CONNECT THE RACEWAY AND GROUND TO THE ELECTRODE. ELECTRICAL CONNECTION ALONE IS NOT ACCEPTABLE.
- NO BONDING BUSHING IS REQUIRED AT THIS END OF PANELBOARD FEEDER.
- 6 DETERMINE THE SIZE OF THIS BONDING JUMPER FROM NEC TABLE 250.66 WITH TABLE ENTRY BASED ON THE SIZE OF THE CONDUCTORS SUPPLYING THE
- (7) EXTEND GROUNDING ELECTRODE CONDUCTOR TO EFFECTIVELY GROUNDED BUILDING STEEL OR METAL WATER PIPE WITHIN 5 FEET FROM POINT OF ENTRANCE INTO BUILDING.
- GROUNDING BUS IS GENERALLY ATTACHED DIRECTLY TO PANELBOARD ENCLOSURE. IN THE ABSENCE OF SUCH A LISTED ATTACHMENT SIZE BONDING JUMPER AS DESCRIBED IN KEYED NOTE 6 ABOVE.
- 9 PANELBOARD OR ENCLOSED CIRCUIT BREAKER.
- PROVIDE OVERSIZED NEUTRAL TERMINAL AS REQUIRED TO ACCOMMODATE BONDING CONNECTIONS.



SW DETAIL: GN0005 R1

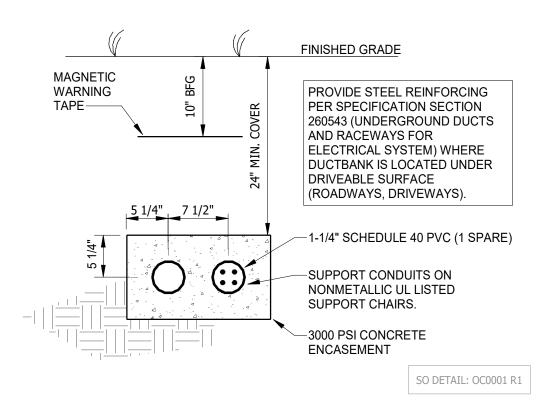




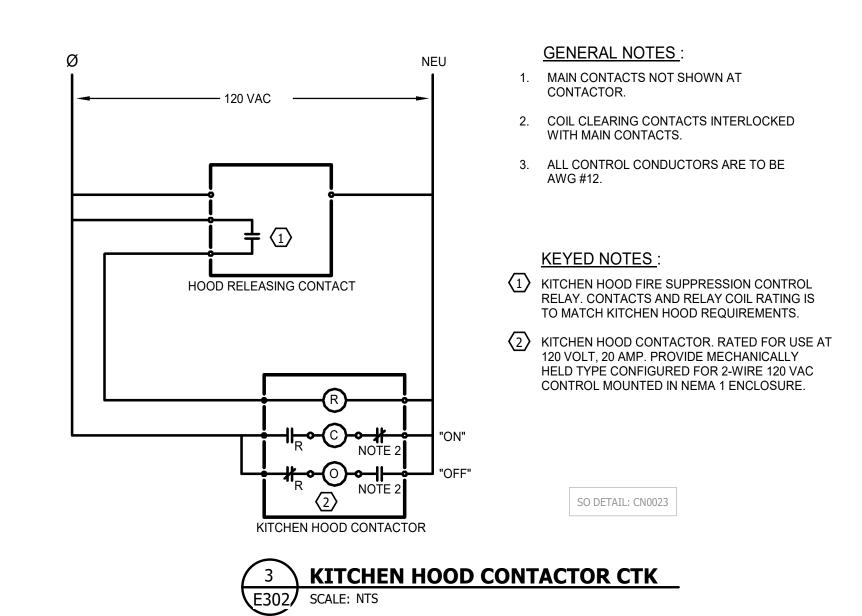
1. ALL ELECTRICAL DEVICES UNDER HOOD AND HOOD SUPPLY FAN TO POWER DOWN THROUGH HOOD CONTROL RELAYS UPON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM.

2. GAS SOLENOID PROVIDED BY PLUMBING CONTRACTOR. SOLENOID SHALL CLOSE UPON ACTIVATION OF HOOD FIRE SUPPRESSION SYSTEM.

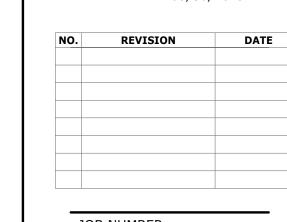












JOB NUMBER 22-028

DATE ISSUED
07/03/25 PROJECT STATUS
ISSUED FOR BID

ELECTRICAL DETAILS

E302

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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:	M2						BY/120		ERVICE	- LQUII		_				_		: Surface
SOURCE:	M2PE	3	AMP	S:		150	0	N	IAIN:		ML	0				TYF	E:	SYLVANNIA GTE
LOCATION:	ROOI	VI 127	PAN	EL	AIC	: EX	ISTING	i A	PPROX	. DIM:	EXI	STING						
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKF	СКТ		A		В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	LOAD
TRACK LIGHTING		3/4	1-#10, 1-#10, 1-#10	1	30	1	288	30					2	30	1			TRACK LIGHTING
TRACK LIGHTING		3/4	1-#10, 1-#10, 1-#10	-		3			312	564			4	30	1	1-#10, 1-#10, 1-#10	3/4	TRACK LIGHTING
TRACK LIGHTING			,,	1		5					300	300	6	20	1	,,		TRACK LIGHTING
TRACK LIGHTING		3/4	1-#10, 1-#10, 1-#10	1	_	7	0	90					8	30	1			TRACK LIGHTING
TRACK LIGHTING				1		9			30	60			10	30	1			TRACK LIGHTING
TRACK LIGHTING		3/4	1-#10, 1-#10, 1-#10	1		11					564	30	12	30	1			TRACK LIGHTING
TRACK LIGHTING				1		13	30	300					14	20	1			TRACK LIGHTING
TRACK LIGHTING				1		15			60	300			16	20	1			TRACK LIGHTING
TRACK LIGHTING				1	_	17					300	60	18	30	1			TRACK LIGHTING
TRACK LIGHTING				1	20	19	300	0					20	30	1			SPARE
LIGHTING DIST LEARNIN	G 104	3/4	1-#12, 1-#12, 1-#12	1		21			480	0			22	30	1			SPARE
LIGHTING DIST LEARNIN	G 104	3/4	1-#12, 1-#12, 1-#12	_		23					60	0	24	20	1			SPARE
TRACK LIGHTING				1	20	25	300	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
	·							8 VA 1 A		6 VA 5 A		4 VA 4 A						
Load Classification					C	onnec	ted Load	d	Dem	and Fac	tor I	Estimate	d Der	nand			Pane	Totals
Other						0	VA			0.00%		0	VA					
Lighting						475	8 VA		1	00.00%		475	8 VA			CONNECTE	D LOAD	4758 VA
																DEMAN	D LOAD	4758 VA
															A	VG. CONNECTED C	JRRENT	13 A
															+ -	AVG. DEMAND C		
																AVG. DEIVIAITO CI		

M2	LA	VOL	.TA	GE:	208	8Y/120	S	ERVICE	EQUIP:	No					MOU	JNTING	6: Surface
M2PA	١	AMF	PS:		100)	M	IAIN:		ML	0				TYP	E:	SYLVANNIA GTE
ELEC	EQUI	P RM 131 PAN	IEL	AIC	: 10,	000	Α	PPROX	. DIM:	EXI	STING						
O	COND	Phase, Neu, Grd Size		BKR	СКТ	,	A	i	3	(С	СКТ		POLE	Phase, Neu, Grd Size	COND	LOAD
			1	20	1	200	90					2	30	1	1-#10, 1-#10, 1-#10	3/4	TRACK LIGHTING
	3/4	1-#10, 1-#10, 1-#10	1	30	3			30	38			4	30			3/4	TRACK LIGHTING
	3/4	1-#10, 1-#10, 1-#10	1		5					30	120	6		1		3/4	TRACK LIGHTING
	3/4		_	30	7	16	200					8		1			EXISTING
	3/4		_	30	9			60	180			10	30	1	1-#10, 1-#10, 1-#10	3/4	TRACK LIGHTING
	3/4	1-#10, 1-#10, 1-#10	_	30	11					60	60	12	30	1		3/4	TRACK LIGHTING
	3/4		_			360	200					14		1			EXISTING
	_		_					0	200			_		1			EXISTING
	, -		_							200	200	_					EXISTING
			+			200	200										EXISTING
			-			200	200	200	200								EXISTING
			-					200	200	200	200						EXISTING
						0	0			200	200	_					SPARE
			_			0		0									SPACE
			-					-		0		_					SPACE
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								_					iana			1 4116	i rotais
						4 VA									CONNECTE	DIOAD	2444 \/A
					104	4 VA		1	00.00%		104	4 VA					
															DEMAN	D LOAD	3444 VA
														A'	VG. CONNECTED CL	JRRENT	10 A
	M2PA ELEC N O T	M2PA ELEC EQUII NOTE 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4	M2PA ELEC EQUIP RM 131 PAN O T E 3/4 1.#10, 1.#10, 1.#10, 1.#10 3/4 1.#10, 1.#10, 1.#10 3/4 1.#10, 1.#10, 1.#10 3/4 1.#10, 1.#10, 1.#10 3/4 1.#12, 1.#12, 1.#12 3/4 1.#10, 1.#10, 1.#10	M2PA ELEC EQUIP RM 131 PANEL N O T E COND Phase, Neu, Grd Size P O L E 3/4 1-#10, 1-#10, 1-#10 1 3/4 1-#10, 1-#10, 1-#10 1 3/4 1-#10, 1-#10, 1-#10 1 3/4 1-#10, 1-#10, 1-#10 1 3/4 1-#10, 1-#10, 1-#10 1 3/4 1-#10, 1-#10, 1-#10 1 3/4 1-#10, 1-#10, 1-#10 1 3/4 1-#10, 1-#10, 1-#10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M2PA ELEC EQUIP RM 131 PANEL AIC NOTE E COND Phase, Neu, Grd Size POLE E BKR E 1 20 3/4 1-#10, 1-#10, 1-#10 1 30 3/4 1-#10, 1-#10, 1-#10 1 30 3/4 1-#10, 1-#10, 1-#10 1 30 3/4 1-#10, 1-#10, 1-#10 1 30 3/4 1-#10, 1-#10, 1-#10 1 30 3/4 1-#10, 1-#10, 1-#10 1 30 3/4 1-#12, 1-#12, 1-#12 1 20 3/4 1-#10, 1-#10, 1-#10 1 30 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20	M2PA ELEC EQUIP RM 131 PANEL AIC: 10, NOTE COND Phase, Neu, Grd Size Size	M2PA ELEC EQUIP RM 131 PANEL AIC: 10,000 NO	M2PA AMPS: 100 M ELEC EQUIP RM 131 PANEL AIC: 10,000 A NO COND Phase, Neu, Grd Size	M2PA AMPS: 100 MAIN: ELEC EQUIP RM 131 PANEL AIC: 10,000 APPROX N	M2PA AMPS: 100 MAIN: ELEC EQUIP RM 131 PANEL AIC: 10,000 APPROX. DIM: N	M2PA AMPS: 100 MAIN: ML ELEC EQUIP RM 131 PANEL AIC: 10,000 APPROX. DIM: EXI N	M2PA AMPS: 100 MAIN: MLO ELEC EQUIP RM 131 PANEL AIC: 10,000 APPROX. DIM: EXISTING N COND Phase, Neu, Grd Size	M2PA	M2PA AMPS: 100 MAIN: MLO ELEC EQUIP RM 131 PANEL AIC: 10,000 APPROX. DIM: EXISTING N COND Phase, Neu, Grd Size P C CKT BKR CKT A B B C CKT BKR	M2PA	M2PA	M2PA AMPS: 100 MAIN: MLO TYPE:

PANEL ID:	PH	1	VO	LT/	AGE:	480	0Y/277	S	SERVICE	EQUI	P: No					MOUNTING:	SURF	ACE
SOURCE:	NM2		AN	PS:		100	0	F	PANEL A	AIC:	10,	000				TYPE:	BOLT	ON
LOCATION:	PAVII	LION E	ELEC 151 MA	JN:		MC	В	c	CALC SC	CC:	3,3	43				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	i	В		С	скт	BKF	P O L E	Phase, Neu, Grd Size	COND -	LOAD
						1	8300						2		1			SPACE
X-PL1				3	50	3			10220				4		1			SPACE
						5					9120		6		1			SPACE
UH-P.1 PAVILION CATERING	_					7	2000						8		1			SPACE
UH-P. I PAVILION GATERING 152	ا د	3/4	3-#12, 1-#12, 1-#1	2 3	20	9			2000				10		1			SPACE
						11					2000		12		1			SPACE
UH-P.2 PAVILION CATERING	2					13	2000						14		1			SPACE
152	9	3/4	3-#12, 1-#12, 1-#1	2 3	20	15			2000				16		1			SPACE
						17					2000		18		1			SPACE
CATERING LIGHTING		3/4	1-#12, 1-#12, 1-#1			19	342						20		1			SPACE
OUTER PAVILION LIGHTING	}	3/4	1-#12, 1-#12, 1-#1	_	20	21			440				22		1			SPACE
NNER PAVILION LIGHTING		3/4	1-#12, 1-#12, 1-#1	_		23					448		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		0					38					
SPACE				1	_	39				0			40	30	3			SPD
SPACE				1		41	400	10.1/2	1100	20.1/4		0	42					
								12 VA		60 VA		68 VA						
								6 A		3 A		9 A						
Load Classification					Co		ted Load	a		and Fac	tor	Estimate		nand			Pane	l Totals
Power						640	00 VA		1	00.00%		640	00 VA					
REC						408	O VA		1	00.00%		408	80 VA			CONNECTE	LOAD	40870 VA
Lighting						123	80 VA		1	00.00%		123	80 VA			DEMANI	D LOAD	40870 VA
						2910	60 VA		1	00.00%		291	60 VA		A۱	VG. CONNECTED CU	RRENT	49 A
Mechanical									+						+	AVG. DEMAND CU		

PANEL ID:	PL	1	VOL	.TA	GE:	208	3Y/120	S	ERVICE	EQUIP	: No					MOUNTING:	Surfac	ce
SOURCE:	X-PL	1	AMF	PS:		100)	P	ANEL A	IC:	10,	000				TYPE:	BOLT	ON
LOCATION:	PAVII	LION E	ELEC 151 MAI	N:		MC	В	С	ALC SC	C:	2,4	80				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		4	E	3		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N D LOAD
CATERING REC		3/4	1-#12, 1-#12, 1-#12	1	20	1	540	1200					2	20	1	1-#12, 1-#12, 1-#12	3/4	HSLV FAN
CATERING REC			1-#12, 1-#12, 1-#12	1	20	3			360	1200			4	20	1	1-#12, 1-#12, 1-#12		HSLV FAN
CATERING REC		3/4	1-#12, 1-#12, 1-#12	1	20	5					360	1200	6	20	1	1-#12, 1-#12, 1-#12	3/4	HSLV FAN
CATERING REC			1-#12, 1-#12, 1-#12	1	20	7	360	1200					8	20	-	1-#12, 1-#12, 1-#12		HSLV FAN
UD D 4			0 1140 4 1140 4 1140			9			2880	180			10	20	1	1-#12, 1-#12, 1-#12	3/4	REC PAVILION ELEC 151
HP-P.1		1	2-#10, 1-#10, 1-#10	2	30	11					2880	0	12	20	1			SPARE
LID D 0			0 1140 4 1140 4 1140		45	13	1200	0					14	20	1			SPARE
HP-P.2		1	2-#12, 1-#12, 1-#12	2	15	15			1200	0			16	20	1			SPARE
						17					3000	0	18	20	1			SPARE
WH-1		1	3-#8, 1-#8, 1-#10	3	40	19	3000	0					20	20	1			SPARE
						21			3000	0			22	20	1			SPARE
EXTERIOR PAVILION REC	1	3/4	1-#12, 1-#12, 1-#12	1	20	23					900	0	24	20	1			SPARE
EXTERIOR PAVILION REC			1-#12, 1-#12, 1-#12	1	20	25	300	0					26	20	1			SPARE
EXTERIOR PAVILION REC	1		1-#12, 1-#12, 1-#12	1	20	27			900	0			28	20	1			SPARE
CEILING FANS		3/4	1-#12, 1-#12, 1-#12	1	20	29					600	0	30	20	1			SPARE
PROJECTOR		3/4	1-#12, 1-#12, 1-#12	1	20	31	500	0					32	20	1			SPARE
PROJECTOR		3/4	1-#12, 1-#12, 1-#12	1	20	33			500	0			34	20	1			SPARE
SERVICE REC		3/4	1-#12, 1-#12, 1-#12	1	20	35					180	0	36	20	1			SPARE
SPACE				1		37		0					38					
SPACE				1		39				0			40	30	3			SPD
SPACE				1		41						0	42					
								O VA	1022 86	0 VA		20 VA 7 A						
Load Classification					Co	nnec	ted Load	t	Dema	and Facto	or	Estimated	d Den	nand			Pane	l Totals
Power							0 VA			00.00%		6400) VA					
REC							0 VA			00.00%		4080				CONNECTE	D LOAD	27640 VA
Mechanical							60 VA			00.00%		1716						27640 VA
Medianical						1710	JO VA			00.0070		1710	U VA		Α.	VG. CONNECTED CL		
															A			
																AVG. DEMAND CL	JKKENI	// A
NOTES: 1. PROVIDE BREAKER WIT	H GFCI	PROTE	ECTION.															

PANEL ID:	PO	PB		VOLTA	GE:	208	Y/120	S	ERVICE	EQUIP:	No					MO	UNTIN	IG:	Surface
SOURCE:	POD	P		AMPS:		225	;	M	IAIN:		ML	0				TYF	E:		SYLVANIA GTE
LOCATION:	ELEC	EQUIF	PRM 323	PANEL	. AIC	: 10,0	000	Α	PPROX	. DIM:	EX	ISTING							
LOAD	N C	COND	Phase, Neu, Size	Grd OLE	BKR	СКТ	Å	4	E	3		С	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
REC ROOM 381				1	20	1	540	540					2	20	1				REC ROOM 327
REC ROOM 381				1	20	3			540	540			4	20	1				LOBBY FLR BOX
S. DAMPER				1	20	5					500	540	6	20	1				REC ROOM 329
FLOOR REC				1	20	7	540	540					8	20	1	1-#10, 1-#10, 1-#10	3/4		REC ROOM 302
FLOOR REC				1	20	9			540	540			10			1-#10, 1-#10, 1-#10			REC ROOM 301, 302
FLOOR REC				1	20	11					540	540	12	20	1				REC ROOM 321, 331
FLOOR REC				1	20	13	540	540					14	20	1			_	REC PLATFORM 345
FLOOR REC				1	20	15			540	540			16						REC PLATFORM 345
FLOOR REC				1	20	17					540	540	18			1-#10, 1-#10, 1-#10	3/4		REC ROOM 303
REC ROOM 345				1	20	19	540	540					20	20	1	1-#10, 1-#10, 1-#10	3/4		REC ROOM 303
REC ROOM 338				1	20	21			540	540			22	20	1				REC ROOM 341,342
REC ROOM 338				1	20	23					540	540	24	20	1				REC ROOM 340
LTG ROOM 324				1	20	25	300	540					26	20	1				REC ROOM 346
SPARE PROJECTION BOOT	Н			1	20	27			500	540			28	20	1				REC LOBBY
SPARE PROJECTION BOOT	Н			1	20	29					500	540	30	20	1				REC ROOM 346
						31	6853	300					32	20	1				LTG ROOM 327
POPBA				3	70	33			6593	300			34	20	1				LTG ROOM 327
						35					6873	500	36	20	1				F/A PANEL
REC ROOM 324				1	20	37	540	540					38	20	1				REC ROOM 345
LOBBY REC				1	20	39			540	540			40	20	1				REC ROOM 345
LOBBY REC				1	20	41					540	300	42	20	1				ATRIUM LIGHTING
			·				1339	3 VA	1333	3 VA	135	33 VA					_		
							112	2 A	111	1 A	11	13 A							
Load Classification					Co	nnect	ted Load	l	Dem	and Facto	r	Estimated	d Den	nand			Par	nel 1	Totals
Power						1516	60 VA		1	00.00%		1516	0 VA						
REC						2300	00 VA		7	71.74%		1650	0 VA			CONNECTE	D LOA	D 4	0260 VA
Lighting						2100				00.00%		2100				DEMAN	D LOA	D 3	3760 VA
<u> </u>													•		Δ	VG. CONNECTED C		-	
															- 1	AVG. DEMAND C		+	
																AVG. DEIVIAND C	JKKEN	ין פ	' '

SOURCE:	NPO		AMI	PS:		400)	N	IAIN:		ML	0				TYF	E:		BOLT ON
LOCATION:	TELE	PHON	E/ PAN	١EL	. AIC	C: 35,	000	A	PPROX	. DIM:	EXI	STING							SQUARE D I-LINE
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKF	к скт	,	A	ı	В	ı	С	скт	BKR	P O L E	Phase, Neu, Grd Size	CON	٠ ا	N D T LOAD
						1	18700	8730					2						
PANEL DB	2			3	100	3			16300	10110			4	400	3			2	2 XFMR TM1
						5					13000	11980	6						
						7	1920	10249					8						
PARKING LOT LTG	2			3	40	9			1920	10249			10	40	3	3-#8, 1-#8, 1-#10	1	1	1 RTU-1
						11					1920	10249	12						
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
							3959	9 VA	3857	'9 VA		19 VA							
							14	4 A	14	0 A	13	4 A							
Load Classification					C	onnec	ted Load	t	Dem	and Fact	or E	Estimated	d Den	nand			P	ane	l Totals
Spare						845	30 VA		1	00.00%		8458	0 VA						
Mechanical						307	47 VA		1	00.00%		3074	7 VA			CONNECTE	D LO	AD	115327 VA
										00.0070									115327 VA
															—				
															A	VG. CONNECTED C			
																AVG. DEMAND C	URRE	NT	139 A
NOTES: 1. PROVIDE NEW CIRCU AND AIC RATING. 2. EXISTING CIRCUIT TO		ER, SIZ	ED AS INDICATED. I	ΓAN	TCH E	EXISTI	ng man	UFACTU	JRER										

PANEL ID:	NN	12	V	OLT	AGE:	480	0Y/277	5	SERVICE	EQUIP	: No					MO	UNTIN	IG:	SURFACE
SOURCE:	SERV	/ICE DIS	SCONNECT A	MPS	3 :	100	00	ľ	MAIN:		MLO)				TYF	E:		EXISTING
LOCATION:	ROC	M 136	P	ANE	L AIC	C: 35,	,000		APPROX	. DIM:	EXI	STING							SQUARE D I-LINE
LOAD	9	COND	Phase, Neu, Gr Size	d (BKF	СКТ		4	E	3	(:	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
						1	17224	0		_			2						
X-KL		1		;	3 110	3 5			20650	0	23854	0	6	600	3			3	MCC-MR
						7	12642	0			23004	U	8						
PH1		1 1-1/2	3-#1, 1-#1, 1-#	6	3 100				14660	0			_	600	3			3	NPO
						11					13568	0	12						
			3-#300, 1-#30	,		13	49956						14		1				SPACE
CH1		3	1-#3	,	3 250	15 17			47842		47842		16		1			-	SPACE SPACE
						17	7982	2 VΔ	8315	2 VA	47842 8526	 4 VΔ	18		1				SPACE
							288		302		31								
Load Classification					С	onnec	ted Load	I	Dema	and Fact	or E	stimate	d Den	nand			Par	nel 1	Totals
Power						1616	640 VA		10	00.00%		1616	40 VA						
REC						152	00 VA		8	32.89%		1260	00 VA			CONNECTE	D LOA	D 2	248237 VA
Lighting						123	30 VA		10	00.00%		123	0 VA			DEMAN	ID LOAI	D 2	231285 VA
Kitchen Equipment						410	08 VA		6	5.00%		2665	55 VA		A	VG. CONNECTED C	URREN	T 2	299 A
Mechanical						291	60 VA		10	00.00%		2916	60 VA			AVG. DEMAND C	JRREN'	T 2	?78 A
NOTES: 1. PROVIDE NEW CIRCU AND AIC RATING. 2. EXISTING LOADS DET ENERGY. 3. EXISTING CIRCUIT TO	ERMINEI	D FROM																	

PANEL ID:	KL		VOL	TAG	GE:	208	Y/120	S	ERVICE	EQUIF	P: No					MOUNTING:	Surfa	ce	
SOURCE:	X-KL		AMP	S:		225	;	P	ANEL A	NC:	10,0	000				TYPE:	BOL	ΓON	
LOCATION:	KITCI	HEN O	FFICES 120 MAIN	N:		ML	0	C	ALC SC	C:	1,66	66				APPROX. DIM:	20" V	V x 5.75	5" D x 35" H
LOAD	NOTE	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ	,	4	ı	3		C	СКТ	BKR (P O L	Phase, Neu, Grd Size	COND	NOTE	LOAD
KITCHEN EQUIP RM REC		3/4	1-#12, 1-#12, 1-#12	1	20	1	1080	1000					2		1				
CAFE REC			1-#12, 1-#12, 1-#12	1	20	3			540	1000			4	20	2	2-#12, 1-#12, 1-#12	3/4	1,2	DISHWASHER
CAFE REC			1-#12, 1-#12, 1-#12	1	20	5					360	2500	6	F0 .	_	0.40.4.40.4.440	4	4.0	DOOCTED LIEATED
REFRIGERATOR		3/4	1-#12, 1-#12, 1-#12	1	20	7	720	2500					8	50	2	2-#6, 1-#6, 1-#10	1	1,2	BOOSTER HEATER
GRINDER			1-#12, 1-#12, 1-#12	1	20	9			1200	360			10	20	1	1-#12, 1-#12, 1-#12	3/4		CORD REELS KITCHE
TEA BREWER			1-#12, 1-#12, 1-#12	1	20	11					720	1093	12	00		0 1140 4 1140 4 1140	0/4		DEEDIOEDATOD
CAFE REC		3/4	1-#12, 1-#12, 1-#12	1	20	13	720	1093					14	20	2	2-#12, 1-#12, 1-#12	3/4		REFRIGERATOR
ADA BATHROOM REC			1-#12, 1-#12, 1-#12	1	20	15			900	1000			16	20	1	1-#12, 1-#12, 1-#12	3/4	1	REFRIGERATOR
WATER COOLER	1		1-#12, 1-#12, 1-#12	1	20	17					1440	2000	18	-	\rightarrow	1-#10, 1-#10, 1-#10	3/4		HEATED CABINET
WARMER	1	3/4	1-#12, 1-#12, 1-#12	1	20	19	550	1000					20		-				FREEZER
WARMER	1		1-#12, 1-#12, 1-#12	1	20	21			550	1000			22		\rightarrow	1-#12, 1-#12, 1-#12			FREEZER
MIXER			1-#12, 1-#12, 1-#12	1	20	23					1000	1000	24		\rightarrow	1-#12, 1-#12, 1-#12	3/4		FREEZER
			, ,			25	2200	1000					26		\rightarrow				COOLER
COFFEE MACHINE		3/4	2-#10, 1-#10, 1-#10	2	30	27			2200	1000			28		\rightarrow	1-#12, 1-#12, 1-#12			THERMAL DISPENSER
						29					2642	200	30	20	\rightarrow	1-#12, 1-#12, 1-#12	3/4		101,110 DOOR
COFFEE BREWER		3/4	2-#8, 1-#8, 1-#10	2	35	31	2642	500					32		\rightarrow	1-#12, 1-#12, 1-#12		1,2	BURNER KITCHEN 106
HAND DRYER	2	3/4	1-#12, 1-#12, 1-#12	1	20	33			500	8500			34			· · · · · · · · · · · · · · · · · · ·			COMBI OVEN
HAND DRYER	2		1-#12, 1-#12, 1-#12	-	20	35				3333	500	8500	36	110	2	2-#1, 1-#1, 1-#6	1-1/2	2	KITCHEN 106
REC ROOM 116, 115			1-#12, 1-#12, 1-#12	1	20	37	720	100			300	3333	38	20	1	1-#12, 1-#12, 1-#12	3/4		FLUSH VALVES SHOW
HAND DRYER	2	3/4	1-#12, 1-#12, 1-#12	1	20	39			500	100			40		\rightarrow				FLUSH VALVES WOME
HAND DRYER	2		1-#12, 1-#12, 1-#12	1	20	41					500	100	42		\rightarrow	1-#12, 1-#12, 1-#12			FLUSH VALVES MEN 1
FLUSH VALVES TOILET			1-#12, 1-#12, 1-#12	_	20	43	100				000	100	44		1				SPACE
CONTACTOR CTK	3	3/4	1-#12, 1-#12, 1-#12	1	20	45	100		0				46		1				SPACE
FRYER KITCHEN 106	0	3/4	1-#12, 1-#12, 1-#12	1	20	47					1300		48		1				SPACE
FRYER KITCHEN 106			1-#12, 1-#12, 1-#12	1	20	49	1300				1000		50		1				SPACE
FRYER KITCHEN 106			1-#12, 1-#12, 1-#12	1	20	51	1000		1300				52		1				SPACE
SPARE				1	20	53			1000		0		54		1				SPACE
SPARE				1	20	55	0						56		1				SPACE
SPARE				1	20				0				58		1				SPACE
SPARE					20						0		60		1				SPACE
SPARE					20	_	0				0		62		1				SPACE
SPARE				-	20	63	0		0				64		1				SPACE
SPARE			_ 	-	20	65					0		66		1				SPACE
SPARE				-	20	67	0	0					68		-				Of AOL
SPARE			_ 	-	20	69	U	U	0	0			70	30	3				SPD
SPARE			 	-	20				0	U	0	0	72	30	3				350
SFARE				'	20	7 1	1722	4 VA	2065	60 VA		64 VA	12						
								4 A		6 A		3 A							
Load Classification					· ·	nnee				and Fact		s A Estimate	d Dow	and			Dan	el Totals	<u> </u>
							ted Load	4			.01 E			iailU			ran	er rotals	
Power							0 VA			00.00%			0 VA						
REC							20 VA			94.96%			60 VA			CONNECTE			
Kitchen Equipment						4100	08 VA			65.00%		2665	55 VA			DEMAN	D LOAI	46815	VA
															А١	VG. CONNECTED CI	JRREN ⁻	Г 171 A	
																AVG. DEMAND CI	JRREN	Г 130 A	
NOTES: 1. PROVIDE GFI BREAKEF 2. PROVIDE LOCK-OFF PF									1									1	

	PANEL KEY	
EM2L	PH1	BM1
M2LB	PL1	NM2
M2LA	POPB	KL



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JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

PANEL SCHEDULES -**LEVEL C**

PANEL ID:	KB		VOL	_TA	GE:	208	Y/120	S	ERVICE	EQUIP:	No					МО	UNTIN	G:	Surface
SOURCE:	KA		АМЕ	PS:		100)	N	IAIN:		ML	0				TYF	PE:		SYLVANIA GTE
LOCATION:	EL EC	. 107 <i>A</i>	DAN		AIC	. EVI	CTING			DIM.	EVI	ICTINIC							
LOCATION:	ELEC	, 107 <i>F</i>	YAN		AIC		STING		PPROX	. DIIVI:		ISTING							
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	BKR	СКТ	Å	A	I	В		С	СКТ	BKR	P O L E	Size	COND	N O T E	LOAD
KITCHEN LIGHTING		3/4	1-#12, 1-#12, 1-#12	1	20	1	300	300					2	20	1				LIGHTING FOOD PREP
LIGHTING				1	20	3			300	300			4	20	1				LIGHTING FOOD PREP
WATER HEATER				1	20	5					500	300	6	_	1				LIGHTS 124
WATER COOLER				1	20	7	300	300					8	20	1				KITCHEN REC
LIGHTS				1	20	9			300	500			10	20	1				KITCHEN REC
LIGHTS				1	20	11					300	500	12	20	1				KITCHEN REC
PLUG MOLD				1	20	13	300	500					14	20	1				FRYER
REC				1	20	15			300	300			16	20	1				FRYER
PLUG MOLD				1	20	17					300	300	18	_					FRYER
CASH REGISTER				1	20	19	300	300					20	_	1				COOLER
REC				1	20	21			300	500			22	20	1				ICE BIN
MIXER				1	20	23					300	500	24	20	_				SLICER
REC				1	20	25	300	300					26	20	_				REC 120
REC				1	20	27			300	300			28	20	1				COOLER
REC				1	20	29					300	300	30	20	1				COOLER
EXISTING				1	20	31	300	500					32	20	1				EXISTING
EXISTING				1	20	33			300	300			34	20	1				EXISTING
EXISTING				1	20	35					300	300	36	20	1				EXISTING
EXISTING				1	20	37	300	300					38	20	1				EXISTING
EXISTING				1	20	39			300	150			40						EVICTING
EXISTING				1	20	41					300	150	42	20	2				EXISTING
		1	1				4600	VA	445	0 VA	465	50 VA	1	-	1	1	1		<u> </u>
							39	Α	37	7 A	3	9 A							
Load Classification					Co	nnect	ted Load		Dem	and Facto	r I	Estimate	d Den	nand			Pan	el -	Totals
Power						1370	00 VA		1	100.00%		1370	00 VA						
																CONNECTE	D LOAI	D 1	3700 VA
																DEMAN	ID LOAI	D 1	3700 VA
															A	VG. CONNECTED C		_	
															+	AVG. DEMAND C		-	
									1							AVG. DEIVIAND C	UKKEN	1 J	00 A

PANEL ID:	EN	11L	VOL	_TA	AGE:	20	08Y/12)	SERVIC	E EQUIP:	No				M	OUNTIN	IG:	Surface
SOURCE:	ELEC	EQUIP	RM 229 AM	PS:		22	25		MAIN:		ML	0			T	PE:		SYLVANIA GTE
LOCATION:	EDP:	3	PAN	IEL	. AIC): E	XISTIN	G	APPRO)	C. DIM:	EXI	STING						
LOAD	9	COND	Phase, Neu, Grd Size	P O L E	BKF	R CK	Т	A		В	(С	скт	BKR	P O Phase, Neu, Grd L Size E	COND	N O T E	LOAD
LIGHT TRACK				1	30	1	0	300					2	30	1			ACCESS LOBBY E LIGHTS
LIGHTING VEST 110		3/4	1-#12, 1-#12, 1-#12	1	20	3			79	300			4	30	1			LTG STAIR #2
LIGHT TRACK				1	30	5					300	300	6	30	1			EXIT LTG NEW CORR
LIGHT TRACK				1	30	7	300	300					8	30	1			LTG 245,252,256,257
LIGHT TRACK				1	30	9			300	300			10	30	1			LTG CORR 227,232
LIGHT TRACK				1	30	11					300	300	12	30	1			LTG 258
LIGHT TRACK				1	30	13	300	300					14	30	1			LTG CORR 242
LIGHT TRACK				1	30	15	5		300	300			16	30	1			AC CONTROLS
EXIT LTG 223 SMOKE DOC	RS			1	_	_					300	300	18	20	1			USMD PANELS 221,256
LIGHT TRACK				1	_		300	300					20	20	1			LTG ROOM 230.231.244.244
LIGHT TRACK				1	20	21			300	300			22	20				LTG ROOM 221
LIGHT TRACK				1	20	23					300	300	24	20	1			LTG ROOM 229
LIGHT TRACK				1		25		300					26	20				LTG ROOM 221
EM LIGHTING CONSERVA	TION	3/4	1-#12, 1-#12, 1-#12	1	20	27	•		300	300			28	20				LIGHT TRACK EAST GALLER
EM LIGHTING CONSERVA	TION	3/4	1-#12, 1-#12, 1-#12	1	20	29					300	300	30	20	1			LIGHT TRACK ROOM 239
LIGHT TRACK			, ,	1	20	31	300	300					32	20	1			LTG TRACK EAST GALLERY
LIGHT TRACK				1		_	5		300	300			34	20	1			LIGHT TRACK ROOM 239
LTG 206,206A,207				1	_		5				300	300	36	30				LTG TRACK EAST GALLERY
LIGHT STAIR #4				1	20	37	300	300					38	20	1			LTG PANEL CNTRL RM 244
LTG STAIR #1 RM 214, 213	S			1	20	39			300	300			40	20	1			LTG CORR 219
LIGHT TRACK				1	20	41					300	300	42	20	1			AC CONTROLS
					1		39	00 VA	397	'9 VA	420	0 VA	1					
								33 A	3	3 A	35	5 A						
Load Classification					С	onne	cted Lo	ad	Den	nand Facto	r E	Estimate	d Den	nand		Par	nel -	Totals
Power						12	000 VA		<u> </u>	100.00%		1200	00 VA					
							'9 VA			100.00%			VA		CONNEC	TED I OA	D 4	2070 VA
Lighting							9 VA			100.00%		79	VA				_	
																	_	2079 VA
															AVG. CONNECTED	CURREN	IT 3	4 A

PANEL ID:	M	2LC	VO	LTAG	E:	208	8Y/120	S	ERVICE	E EQUIP	: No)				МО	UNTING:	Surface
SOURCE:	M2	РВ	AM	PS:		150)	N	IAIN:		ML	.0				TYF	E:	EXISTING
LOCATION:	RO	OM 127	PAI	NEL /	AIC	: EX	ISTING	Α	PPROX	K. DIM:	EX	ISTING						
LOAD		N O T E	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 NOTE	
LIGHT TRACK				1	30	1	300	300					2	30	1			LIGHT TRACK
LIGHT TRACK				1	30	3			300	300			4	30	1			LIGHT TRACK
LIGHT TRACK				1	30	5					300	300	6	30	1			LIGHT TRACK
LIGHT TRACK				1	30	7	300	300					8	30	1			LIGHT TRACK
LIGHT TRACK				1	30	9			300	300			10	30	1			LIGHT TRACK
LIGHT TRACK				1	30	11					300	300	12	30	1			LIGHT TRACK
LIGHT TRACK				1	30	13	300	2250					14	30	1	1-#10,1-#10,1-#10	3/4	LIGHT TRACK ALCOVE 156
LIGHT TRACK				1	30	15			300	300			16	30	1			LIGHT TRACK
LIGHT TRACK				1	30	17					300	0	18	30	1			SPARE
LIGHT TRACK				1	30	19	300	0					20	30	1			SPARE
SPARE				1	20	21			0	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	20	1			SPARE
SPACE				1		31							32		1			SPACE
SPACE				1		33							34		1			SPACE
SPACE				1		35							36		1			SPACE
								0 VA		0 VA		00 VA						
								I A		5 A		13 A			_			
Load Classification					Со	nnec	ted Load	d c	Dem	and Facto	or	Estimate	d Den	nand			Panel	Totals
Power						735	0 VA		1	100.00%		735	O VA					
																CONNECTE	D LOAD 7	7350 VA
																DEMAN	D LOAD 7	7350 VA
															A'	VG. CONNECTED CI	JRRENT 2	20 A
																AVG. DEMAND CI	JRRENT 2	20 A
NOTES:																		

PANEL ID:	PO	LB	V	OLT	AGE:	208	3Y/120	S	ERVICE	EQUIP:	No				MO	UNTING	6: Surface
SOURCE:	PODP	•	A	MPS	:	300)	N	IAIN:		ML	0			TYI	PE:	SYLVANIA GTE
LOCATION:	ELEC	EQUIP	RM 323 P	ANEI	_ AIC	: 10,	000	Α	PPROX	. DIM:	EXI	ISTING					
LOAD	N O T E	COND	Phase, Neu, Gi Size	rd O	BKR	СКТ		A		3		С	СКТ	BKR	P O Phase, Neu, Grd L Size E	COND	LOAD
LIGHT TRACK				1	30	1	200	200					2	30	1		LIGHT TRACK
LIGHT TRACK				1	30	3			200	200			4	30	1		LIGHT TRACK
LIGHT TRACK				1	30	5					200	200	6	30	1		LIGHT TRACK
IGHT TRACK				1	30	7	200	200					8	30	1		LIGHT TRACK
IGHT TRACK				1	20	9			200	200			10	30	1		LIGHT TRACK
IGHT TRACK				1	20	11					200	200	12	30	1		LIGHT TRACK
IGHT TRACK				1	30	13	200	0					14	30	1		SPARE
IGHT TRACK				1	30	15			200	200			16	30	1		LIGHT TRACK
IGHT TRACK				1	30	17					200	200	18	30	1		LIGHT TRACK
IGHT TRACK				1	30	19	200	200					20	30	1 1-#10, 1-#10, 1-#10	3/4	LIGHTING RM 301, 302, 303
IGHT TRACK				1	30	21			200	200			22	30	1		LIGHT TRACK
IGHT TRACK				1	30	23					200	200	24	30	1		LIGHT TRACK
IGHT TRACK				1	30	25	200	200					26	30	1		LIGHT TRACK
IGHT TRACK				1	20	27			200	0			28	30	1		SPARE
IGHT TRACK				1	20	29					200	200	30	30	1		LIGHT TRACK
JIGHT TRACK				1	30	31	200	0					32	30	1		SPARE
IGHT TRACK				1	30	33			200	0			34	30	1		SPARE
LIGHT TRACK				1	20	35					200	200	36	30	1		LIGHT TRACK
LIGHT TRACK				1	20	37	200	0					38	20	1		SPARE
LIGHT TRACK				1	20	39			200	0			40	20	1		SPARE
JIGHT TRACK				1		41					200	200	42	20	1		LIGHTING STUDIO 1
	-				-	•	220	0 VA	220	VA	280	00 VA	•	-	,		'
							18	3 A	18	3 A	2	3 A					
Load Classification					Co	onnec	ted Load	d	Dem	and Facto	r I	Estimated	d Den	nand		Pane	l Totals
Power						720	0 VA		1	00.00%		720	0 VA				
															CONNECTE	D LOAD	7200 VA
															DEMAN	ID LOAD	7200 VA
															AVG. CONNECTED C	URRENT	20 A
															AVG. DEMAND C		I .

		PB				08Y/120		ERVICE							MOUNTING	
SOURCE: M	2T2		AMF	'S :	50	JO	N	IAIN:		MC	B				TYPE:	SYLVANNIA GTE
LOCATION: R	OON	/I 136	PAN	EL AI	C: E	XISTING	3 A	PPROX	. DIM:	EX	ISTING					
LOAD	N O T E	COND	Phase, Neu, Grd Size	P O L E	R CK	т	A	i	3		С	СКТ	ГВКІ	P O L E	Phase, Neu, Grd Size	LOAD
GALLERY/CONF. STORAGE				1 20) 1	540	540					2	20	1		GALLERY REC
GALLERY REC				1 20) 3			540	540			4	20	1		GALLERY REC
GALLERY REC				1 20) 5					540	540	6	20	1		GALLERY REC
LL CONF ROOM				1 20	7	300	540					8	20	1		GALLERY REC
LL CONF ROOM				1 20) 9			300	540			10	20	1		GALLERY REC
LL CONF ROOM				1 20) 11					300	540	12	20	1		GALLERY REC
REC BUSING STATION				1 20	13	540	540					14	20	1		REC ROOM 114
REC ROOM 113				1 20) 15	5		540	300			16		1		EXISTING
REC ROOM 108				1 20) 17	•				540	540	18	20	1		REC ROOM 114
REC ROOM 108 & 115				1 20) 19	540	540					20	20	1		REC ROOM 114
REC				1 20) 21			540	300			22	20	1		EXISTING
REC BUSING STATION				1 20						540	300	24		1		EXISTING
AHU 6 CONTROLS + LIGHTS				1 20) 25	300	300					26	20	1		EXISTING
CORRIDOR 107 REC				1 20) 27	7		540	300			28	20	1		ROOM 115/CORR 110
					29					1000	4567	30	-			
PANEL WTP				3 15			4967					32	100	3		MR
					33			1000	4667			34				
					35					4050	1338	36	_			
M2LC				3 15			1806					38		3		M2LB
					39		50.1/4	1500	1614	4.45	10 = 1/4	40				
							53 VA 20 A		1 VA 0 A		'95 VA 25 A					
Load Classification					Conne	cted Loa		1	and Fact		Estimate	d Dei	mano		Pane	l Totals
Other						0 VA	-	-	0.00%			VA			. 4	
Power						510 VA			00.00%			10 VA			CONNECTED LOAD	42268 VA
Lighting						758 VA		1	00.00%			8 VA			DEMAND LOAD	
-ignalig					71	30 VA		<u> </u>	00.00 /0		773	5 VA		Δ١	VG. CONNECTED CURRENT	
														+	AVG. DEMAND CURRENT	
															AVG. DEIVIAND CORRENT	11/ A

ce
ANIA GTE
OM 333A
IG
HEATER ROOM 33
HEATER ROOM 33
HEATER ROOM 31
OM 326,319
REC
REC
REC
REC
OARD HEATER RM
OM 338
OM 338
•

PANEL ID:	MF	?		VOL	_TA	GE:	208	3Y/120	S	ERVICE	E EQUIP:	No					MO	UNTIN	G: Surface
SOURCE:	M2P	В		AMI	PS:		100)	M	IAIN:		ML	0				TYF	E:	GE CLASS A
LOCATION:	ELE	C EQL	IIP RM 323	PAN	IEL	. AIC	: EX	ISTING	Α	PPROX	. DIM:	EXI	STING						
LOAD	9	N O T CON	1)	Neu, Grd ize	P O L E	BKR	СКТ	,	A	ı	В	(С	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T LOAD E
LIGHTS T1&T2		+			1	20	1	300	300					2	20	1			LIGHTS T3
LIGHTS T1&T3					1	20	3			300	300			4	20	-			LIGHTS T4
LIGHTS T1&T4		1			1	_	5					300	300	6	20	-			ROOM 114 LIGHTS
CONDENSOR UNIT #2					1	_	7	500	300					8	20	_			ROOM 114 LIGHTS
CONDENSOR UNIT #3		1			1	_	9			500	300			10	20	-			TUNNEL ENTRANCE LIGHTS
AHU 5 LIGHTS					1		11					300	0	12	20	-			EXISTING
CONTROL EX2-11A					1		13	300	360					14	20	-			ROOM 120 RECS
CONTROL MP581-18					1	-	15			300	800			16	20	-			MANHOLE SUMP PUMP
HW CIRCULATION PUMP					1	_	17					500	800	18	20	\rightarrow			EXISTING
AIR RETURN					1	20	19	100	300					20	20	-			WATER TREATMENT
WATER TREATMENT					1		21			300	300			22	20	-			CONTROL MP581-15,17
MEEFOG CONTROLS					1	_	23					300	300	24	20	-			T-3
WATER TREATMENT					1	_	25	300	500					26	20	-			KITCHEN EQUIPMENT
CONFRENCE ROOM RECS	;				1	20	27			360	500			28	20	_			KITCHEN EQUIPMENT
ROOM 120 RECS					1	20	29					360	500	30	20	-			EXISTING
							31	120	800					32	20	1			MANHOLE AUX SUMP PUM
EXISTING					3	20	33 35			120	267	120	267	34 36	20	3			EXISTING
							37	120	267					38					2,401.110
EXISTING					3	20	39			120	500			40					
							41					120	500	42	30	2			EXISTING
							1	456	7 VA	496	7 VA		7 VA						
									B A		2 A) A						
						Co	onnec	ted Load	t	Dem	and Facto	r E	Estimate	d Dem	and			Pan	el Totals
Load Classification							1420	00 VA		1	00.00%		1420	00 VA					
Load Classification Power																	CONNECTE	D LOAD	14200 VA
																	DEMAN	D LOAD	14200 VA
																_			
																A۱	/G. CONNECTED CI	JRRENT	39 A

	PANEL KEY	
KB	EM1L	M2PB
	M2LC	POPBA
	POLB	MR



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JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

PANEL
SCHEDULES LEVEL C

PANEL ID:	M1	L	Ε	•	VOLT	AC	E:	208	Y/120		SERVICE	EQUIP:	No							MC	DUNTING: Surface
SOURCE:	M1F	С		,	AMPS	S :		100)		MAIN:		ML	0						ΤY	PE: EXISTING
LOCATION:			RICA	L 241 I	PANE	L	AIC	EXI	STING		APPROX	. DIM:	EXI	STING							
LOAD	9	N O T	COND	Phase, Neu, G Size	Grd	P D L E	BKR	СКТ	ļ	Α	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
CONSERVATION LTG						1	20	1	200	200					2	20	1	1-#12, 1-#12, 1-#12	3/4		CONSERVATION LTG
CONSERVATION LTG						1	20	3			200	200			4	20	1	1-#12, 1-#12, 1-#12	3/4		CONSERVATION LTG
CONSERVATION LTG						_	20	5					200	200	6	20	1	, ,			CONSERVATION LTG
CONSERVATION LTG						_	20	7	200	200					8	20	1				CONSERVATION LTG
CONSERVATION LTG						1	20	9			200	200			10	20	1				CONSERVATION LTG
CONSERVATION LTG						1	20	11					200	200	12	20	1				CONSERVATION LTG
CONSERVATION LTG						1	20	13	200	0					14	20	1				SPARE
SPARE						1	20	15			0	0			16	20	1				SPARE
SPARE						_	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						_	20	23					0	0	24	20	1				SPARE
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
									1000			VA		VA							
									8			Α		΄Α			_				
Load Classification							Co	nnec	ted Load	l	Dem	and Facto	r I	Estimated	l Den	nand			Par	nel "	Totals
Lighting								260	O VA		1	25.00%		3250) VA						
																		CONNECTE	D LOA	D 2	2600 VA
																		DEMAN	D LOA	D 3	3250 VA
																	Α	VG. CONNECTED CL	JRREN	T 7	7 A
																		AVG. DEMAND CU	JRREN	T 9) A
NOTES:					·								,								

PANEL ID:	CL	1 A	VOL	TA	GE:	208	Y/120	S	ERVICE	EQUIP:	No					MOUNTING:	Surfa	ice
SOURCE:	CL1		AMP	S:		100		P	ANEL A	IC:	10,0	000				TYPE:	BOL ⁻	ΓΟΝ
LOCATION:	MECH	1 347	MAII	N:		MLO	0	С	ALC SC	C:	5,29	93				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 E
H-1		1	2-#8. 1-#8. 1-#10	2	35	1	1467	800					2	20	1	1-#12, 1-#12, 1-#12	3/4	TU-1,2,3,4
		' '	2-#0, 1-#0, 1-#10	_	00	3			1467	800			4	20	\rightarrow	1-#12, 1-#12, 1-#12		TU- 5,6,7,8
RO SYSTEM		3/4	2-#12, 1-#12, 1-#12	2	20	5					915	600	6	20	\rightarrow	1-#12, 1-#12, 1-#12		SV-1,2,3
		0, .	_ ,, , _ , , , , , , , , , , , , ,			7	915	200					8	20	\rightarrow	1-#12, 1-#12, 1-#12	3/4	BAS
RO PRETREATMENT SYST	EM	3/4	2-#12, 1-#12, 1-#12	2	20	9			219	200			10	20	1	1-#12, 1-#12, 1-#12		BAS
			, , ,		-	11	200	0.45			219	915	12	20	2	2-#12, 1-#12, 1-#12	3/4	FUTURE VAC
HUMIDIFIER ZONE CONTROLLER		3/4	2-#12, 1-#12, 1-#12	2	20	13	260	915	200	4200			14				2/4	FOLIA
		2/4	1 #10 1 #10 1 #10	1	20	15			260	1392	600	1392	16	20	\rightarrow	1-#12, 1-#12, 1-#12	3/4	FCU-1
AHU-1 AUXILIARY CIRCUIT AHU-1 AUXILIARY CIRCUIT		3/4	1-#12, 1-#12, 1-#12 1-#12, 1-#12, 1-#12	-	20	17 19	600	1200			600	1392	18 20	20	\rightarrow	1-#12, 1-#12, 1-#12 1-#12, 1-#12, 1-#12	3/4	EV-12,13,14,15,16,17
AHU-1 AUXILIARY CIRCUIT			1-#12, 1-#12, 1-#12	_	20	21	000	1200	600	500			22		-	1-#12, 1-#12, 1-#12	3/4	MOTORIZED SHADES
VACUUM PUMP		3/4	1-#12, 1-#12, 1-#12	_	20	23			000	300	1000	500	24	20	-	1-#12, 1-#12, 1-#12	3/4	MOTORIZED SHADES
SPARE				1	20	25	0	200			1000	000	26	20	-	1-#12, 1-#12, 1-#12	3/4	1 HEAT TRACE CTRL
SPARE				1	20	27			0	200			28	20	\rightarrow	1-#12, 1-#12, 1-#12	3/4	GS-1
SPARE				1	20	29				==0	0	0	30	20	1			SPARE
SPARE				1	20	31	0	100					32	20	-	1-#12, 1-#12, 1-#12	3/4	TRAP PRIMER
SPARE				1	20	33			0	696			34		\rightarrow	1-#12, 1-#12, 1-#12	3/4	EF-1.4 (1/4 HP)
SPARE				1	20	35					0	780	36	20	2	0 #10 1 #10 1 #10	2/4	EDD 4 (2 LID)
SPARE				1	20	37	0	780					38	20	2	2-#12, 1-#12, 1-#12	3/4	ERP-1 (2 HP)
SPARE				1	20	39			0	1102			40	20	2	2-#12, 1-#12, 1-#12	3/4	RCP-1 (3 HP)
SPARE				1	20	41					0	1102	42	20	_	<u></u> -π ∠, -π ∠, -π ∠	5/4	1.05-1 (3.175)
								7 VA		5 VA		3 VA						
								2 A		? A		7 A						
Load Classification					Co	nnect	ed Load	t	Dem	and Facto	r E	Estimated	d Dem	and			Pan	el Totals
Power						2896	AV 6		1	00.00%		2896	S VA					
Mechanical						1999	9 VA		1	00.00%		1999	9 VA			CONNECTE	D LOAI	22895 VA
																DEMAN	D LOAI	22895 VA
															A۱	VG. CONNECTED CL	JRREN	Γ 64 A
																AVG. DEMAND CL	JRREN	Г 64 А

PANEL ID:	CL	2	VOL	.TA	GE:	208	3Y/120	S	ERVICE	EQUIP:	No					MOUNTING:	Surfac	ce
SOURCE:	X-CL	2	AMF	PS:		60		P	ANEL A	IC:	10,	000				TYPE:	BOLT	ON
LOCATION:	MECH	H 347	MAI	N:		МС	В	С	ALC SC	C:	1,5	55				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	LOAD
REC 322B		3/4	1-#12, 1-#12, 1-#12	1	20	1	540	0					2	20	1			SPARE
REC 322B			1-#12, 1-#12, 1-#12	1	20	3			540	0			4	20	1			SPARE
REC 322B			1-#12, 1-#12, 1-#12	1	20	5					360	0	6	20	1			SPARE
PARE				1	20	7	0	0					8	20	1			SPARE
SPARE				1	20	9			0	0			10	20	1			SPARE
SPARE				1	20	11					0	0	12	20	1			SPARE
PARE				1	20	13	0	0					14	20	1			SPARE
PARE				1	20	15			0	0			16	20	1			SPARE
SPARE				1	20	17					0	0	18	20	1			SPARE
PARE				1	20	19	0	0					20	20	1			SPARE
PARE				1	20	21			0	0			22	20	1			SPARE
PARE				1	20	23					0	0	24	20	1			SPARE
PARE				1	20	25	0	0					26	20	1			SPARE
PARE				1	20	27			0	0			28	20	1			SPARE
PARE				1	20	29					0	0	30	20	1			SPARE
PARE				1	20	31	0	0					32	20	1			SPARE
PARE				1	20	33			0	0			34	20	1			SPARE
PARE				1	20	35					0	0	36	20	1			SPARE
PARE				1	20	37	0	0					38					
SPARE				1	20	39			0	0			40	30	3	1-#10, 1-#10, 1-#10	3/4	SPD
PARE				1	20	41					0	0	42					
							540 5	VA A	540 5	VA A		O VA B A						
oad Classification					Co	nnec	ted Load			and Facto		Estimated	d Den	nand			Pane	l Totals
REC							0 VA		1	00.00%		1440) VA					
																CONNECTE	D LOAD	1440 VA
																DEMAN	D LOAD	1440 VA
															Δ١			
NOTES:															AV		D LOAD JRRENT	1440 VA 4 A

PANEL ID:	DB			VOL	TAC	GE:	480	Y/277	S	ERVICE	EQUIP	: No							MOUNTING: SU	JRFACE
SOURCE:	BM1			AMP	S:		100)	M	IAIN:		ML	0						ГҮРЕ: ЕХ	ISTING
LOCATION:	TELE	PHONE	!	PAN	EL.	AIC	: EX	ISTING	Α	PPROX	. DIM:	EXI	STING							
LOAD	N O T E	COND	Phase, Neu, Size	, Grd	P O L E	BKR	СКТ	ļ	4	E	3		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	
DRAFT BARR. 216					1	70	1	12200	6500					2	40	1			EH-1 258A	
EH-2 258					1	40	3			6500	6500			4	40	1			DRAFT BARR.	256
EH-3 258					1	40	5					6500	6500	6	40	1			DRAFT BARR.	257
SPACE					1		7							8		1			SPACE	
DRAFT BARR. 263					1	20	9			3300				10		1			SPACE	
SPACE					1		11							12		1			SPACE	
								1870		1630			00 VA							
								69		61			7 A			Т			17	
Load Classification						Co		ted Load	l		and Facto	or E	Estimated					Pan	el Totals	
Power							4800	00 VA		1	00.00%		4800	00 VA						
																	CONNECTE			
																	DEMAN	ID LOAI	48000 VA	
																A	VG. CONNECTED C	JRREN'	Г 58 A	
																	AVG. DEMAND C	JRREN	Г 58 A	

PANEL ID:	SP	4	,	VOLT	AG	E:	208	Y/120	S	ERVICE	EQUIP:	: No					MOUNTING:	Surfac	e
SOURCE:	SP		ı	AMPS	S :		150		P	ANEL A	IC:	10,0	000				TYPE:	BOLT	ON
LOCATION:	ENTR	Y VES	TIBULE	MAIN	:		ML	0	С	ALC SC	C:	6,99	97				APPROX. DIM:	20"W	X 5.75"D X 50"H
LOAD	N O T E	COND	Phase, Neu, (Size	Grd	P O L E	BKR	СКТ	ı	A	E	3		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	LOAD
REC 259		3/4	1-#12, 1-#12, 1	-#12	1	20	1	720	540					2	20	1	1-#12, 1-#12, 1-#12	3/4	REC 258E
REC 259B			1-#12, 1-#12, 1	-#12	_	20	3			540	360			4	_		1-#12, 1-#12, 1-#12		REC 258F
REC 259B			1-#12, 1-#12, 1	-#12	1	20	5					540	360	6	20	1	1-#12, 1-#12, 1-#12		REC 258G
REFRIGERATOR		_	1-#12, 1-#12, 1	_	1	20	7	1000	360					8	_	_	1-#12, 1-#12, 1-#12	3/4	CLG REC 258
MICROWAVE			1-#12, 1-#12, 1	-#12	1	20	9			1000	540			10	20	1	1-#12, 1-#12, 1-#12		CLG REC 258
REC 260			1-#12, 1-#12, 1		_	20	11					360	540	12	_		1-#12, 1-#12, 1-#12	3/4	REC 258
REC 259A		_	1-#12, 1-#12, 1		_	20	13	360	540					14	_	_	1-#12, 1-#12, 1-#12		REC 258
REC 259A		_	1-#12, 1-#12, 1		1	20	15			360	540			16	_	_	1-#12, 1-#12, 1-#12		REC 258
REC 258C			1-#12, 1-#12, 1		_	20	17					540	720	18		_	1-#12, 1-#12, 1-#12	3/4	REC 258A
REC 258C			1-#12, 1-#12, 1		_	20	19	540	360					20			1-#12, 1-#12, 1-#12		REC 258A
REC 258C		_	1-#12, 1-#12, 1		_	$\overline{}$	21			540	360			22	_	_	1-#12, 1-#12, 1-#12		REC 258A
REC 258		_	1-#12, 1-#12, 1		_	_	23					540	360	24	_		1-#12, 1-#12, 1-#12	3/4	REC 258
REC 258C			1-#12, 1-#12, 1		_	20	25	360	540					26	_		1-#12, 1-#12, 1-#12		REC 258
REC 258C			1-#12, 1-#12, 1		_	_	27			360	540			28			1-#12, 1-#12, 1-#12	3/4	REC 258
FOTONA LASER			2-#10, 1-#10, 1			30	29 31	2250	3120			2250	540	30 32	_	1	1-#12, 1-#12, 1-#12	3/4	REC 258 XRAY EXAMINATION ROOM
HOT VACUUM TABLE		3/4	2-#10, 1-#10, 1	-#10	2	30	33			2250	3120			34					258C
							35					2250	200	36		-	1-#12, 1-#12, 1-#12		TRAP PRIMER OFFICE 258F
REC MEZZANINE			1-#12, 1-#12, 1		_	20	37	360	600					38	_	_	1-#12, 1-#12, 1-#12		LEAK DETECTORS
EV CONTROL			1-#12, 1-#12, 1		_	20	39			800	360			40	20	_	1-#12, 1-#12, 1-#12	3/4	REC ENTRY VESTIBULE 259
EV CONTROL			1-#12, 1-#12, 1	-#12	_	20	41					600	0	42	20				SPARE
SPARE					_	20	43	0	0					44	20	_			SPARE
SPARE						20	45			0	0			46	20	1			SPARE
SPARE					_	20	47					0	0	48	20	1			SPARE
SPARE					-	20	49	0	0					50	20	1			SPARE
SPARE					-	20	51			0	0			52	20	1			SPARE
SPARE					1	20	53					0	0	54	20	1			SPARE
								1165 99			0 VA 0 A		0 VA 2 A						
Load Classification				Co	nnect	ed Load	l	Dem	and Facto	or I	Estimate	d Den	nand			Panel	Totals		
Power							2200) VA		1	00.00%		220	0 VA					
REC							2468	0 VA		1	70.26%		173	40 VA			CONNECTE	D LOAD	33120 VA
Mechanical							6240) VA		1	00.00%		624	0 VA			DEMAN	D LOAD	25780 VA
																A'	VG. CONNECTED C	JRRENT	92 A
																	AVG. DEMAND CI	IRRENT	72 A

PANEL ID: CI	H 1		VOL	_TA	GE:	480)Y/277	S	ERVICE	EQUIF	P: No					MOUNTING:	SURF	ACE
SOURCE: NM2	2		AMF	PS:		250)	P	ANEL A	IC:	10,	000				TYPE:	BOL	ON
LOCATION: ME	СН	347	MAI	N:		ML	.0	C	ALC SC	C:	6,9	03				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	,	A	E	3		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size		N O T E
AHU-1 (FOUR 10 HP)		1-1/2	3-#1, 1-#8	3	100		15512	5817	15512	5817			2 4	45	3	3-#6, 1-#10	1	LEF-1.1 (15 HP)
HEAT TRACE CONTROL PANEL	1	1	3-#6, 1-#6, 1-#10	3	50	5 7 9	2133	0	2133	0	15512	5817	6 8 10	45	3	3-#6, 1-#10	1	LEF-2.1 (15 HP)
IEAN TIVIOL GONTHOLT ANALE	-	·	0 110, 1 110, 1 1110			11	2105	3047	2100	- C	2133	0	12			0 110, 1 1110	1	2.1 (10111)
CHWP-1 (5 HP)		3/4	3-#12, 1-#12	3	20	15 17	2100	0047	2105	3047	2105	3047	16	20	3	3-#12, 1-#12	3/4	EF-1.1 (7.5 HP)
ГНWP-1 (3 HP)		3/4	3-#12, 1-#12	2 3 15 19 1330 443 20 15 3 3-#12, 1-#12 3 23 25 540 443 26					3/4	EF-1.2 (3/4 HP)								
X-CL2				3	30	25 27	540	443	540	443	360	443		15	3	3-#12, 1-#12	3/4	EF-1.3 (1 HP)
K-CL1				3	110	29 31 33	15407		17505		360	443	32	-	1			SPACE SPACE
COLI					110	35			17000		17663		36		1			SPACE
SPACE				1	_	37		2239					38	20	1	1-#12, 1-#12, 1-#12	3/4	CONSERVATION LIGHTING
SPACE				1	_	39							40		1			SPACE
SPACE				1	_	41							42		1			SPACE
PACE				1	_	43							44		1			SPACE
SPACE				1	_	45							46		1			SPACE
SPACE				1	_	47		0					48		1			SPACE
SPACE SPACE			 	1	_	49 51		0		0			50 52	30	3	1-#10, 1-#10, 1-#10	3/4	SPD
SPACE				1		53	4901	7 \/A	4887	6 V/A	 188	0 54 VA	54					
							177		170			76 A						
oad Classification					Co	onnec	ted Load		Dem	and Fact	or	Estimate	d Dem	and			Pan	el Totals
Power						1269	96 VA		1	00.00%		1269	96 VA					
REC						1932	20 VA		7	75.88%		1466	60 VA			CONNECTE	D LOAD	146747 VA
ighting						223	9 VA		1	25.00%		279	9 VA					142647 VA
/lechanical						1124	91 VA		1	00.00%		1124	91 VA		Α	VG. CONNECTED CL		
															1	AVG. DEMAND CU		F 4 =0 A

PANEL ID:	CL	.1	VC	LTA	AGE:	208	3Y/120	S	ERVICE	EQUIP:	No					MOUNTING:	Surfa	ace
SOURCE:	X-CL	.1	AN	IPS:		225	5	P	ANEL A	NC:	10,0	000				TYPE:	BOL.	T ON
LOCATION:	MEC	H 347	MA	IN:		МС	В	С	ALC SC	C:	5,72	22				APPROX. DIM:	20"W	/ X 5.75"D X 50"H
LOAD			Phase, Neu, Grd Size	P O L E	BKR	СКТ	,	A	ı	3		С	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E
REC 347, ROOF REC		3/4	1-#12, 1-#12, 1-#1	2 1	20	1	720	720					2	20	1	1-#12, 1-#12, 1-#12	3/4	REC 320B
REC 347, ROOF REC			1-#12, 1-#12, 1-#1	2 1	20	3			720	720			4	20	1	1-#12, 1-#12, 1-#12		REC 320B
REC 322A		3/4	1-#12, 1-#12, 1-#1	2 1	20	5					720	720	6	20	1	1-#12, 1-#12, 1-#12	3/4	REC 320A
REC 322A			1-#12, 1-#12, 1-#1	2 1	20	7	720	720					8	20	1	1-#12, 1-#12, 1-#12		REC 320A
REC 322A			1-#12, 1-#12, 1-#1	2 1	20	9			660	500			10	20	1	1-#12, 1-#12, 1-#12	3/4	DI SYSTEM
REC 322		3/4	1-#12, 1-#12, 1-#1	2 1	20	11					540	360	12	20	1	1-#12, 1-#12, 1-#12		BLEACHING LIGHTS
REC 322			1-#12, 1-#12, 1-#1	2 1	20	13	720	720					14	20	1	1-#12, 1-#12, 1-#12	3/4	FLOOR BOX 322
REC 322			1-#12, 1-#12, 1-#1	2 1	20	15			360	1080			16	20	1	1-#12, 1-#12, 1-#12		FLOOR BOX 322
REC 322		3/4	1-#12, 1-#12, 1-#1	2 1	20	17					360	2250	18					FOTONALACED
SUCTION TABLE			1-#12, 1-#12, 1-#1	2 1	20	19	500	2250					20	30	2	2-#10, 1-#10, 1-#10	3/4	FOTONA LASER
SUCTION PLATEN			1-#12, 1-#12, 1-#1	_	_	21			500	4150			22				l .	
REC 322		3/4	1-#12, 1-#12, 1-#1		_	23					540	4150	24	60	2	2-#4, 1-#10	1	WH-2
REC 322			1-#12, 1-#12, 1-#1	_	_	25	720	180					26	20	1	1-#12, 1-#12, 1-#12	3/4	REC TERRACE 300E
REC 320B			1-#10, 1-#10, 1-#1	_	_	27			1200	180			28			1-#12, 1-#12, 1-#12		SERVICE REC
SPARE				1	_	29					0	0	30		1			SPARE
SPARE				1	_	31	0	0					32	20	1			SPARE
SPARE				1	_	33			0	0			34	20	1			SPARE
SPARE				1	_	35					0	0	36	20	-			SPARE
						37	7437	0					38					
CL2		1-1/2	3-#1, 1-#1, 1-#8	3	100	39			7435	0			40	30	3	1-#10, 1-#10, 1-#10	3/4	SPD
			, , , , , , , , , , , , , , , , , , , ,			41					8023	0	42			,,	", "	
							1540	7 VA	1750	5 VA		63 VA					1	
								8 A		9 A		60 A						
Load Classification					Co	nnec	ted Load			and Facto		Estimated	d Dem	nand			Pan	el Totals
Power						1269	96 VA		1	00.00%		1269	6 VA					
EC EC						1788	30 VA		-	77.96%		1394	0 VA			CONNECTE	D LOA	50575 VA
Mechanical							99 VA		1	00.00%		1999	9 VA			DEMAN	ID LOAI	D 46635 VA
															A	VG. CONNECTED C	JRREN	T 140 A
																AVG. DEMAND CI	JRREN	T 129 A

	PANEL KEY	
M1LE	CL1A	SPA
	CL2	CH1
	DB	CL1



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Salas O'Brien

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JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

PANEL SCHEDULES -CONSERVATION

PANEL ID:	С	V	DLTA	AGE:	208	3Y/120	8	SERVICE	EQUIP	: No	0				MOUNTING:	Surf	ace	9
SOURCE:	MDP	Al	MPS:		100)	F	PANEL A	AIC:	10	,000				TYPE:	BOL	T	ON
LOCATION:	UTILITIES 1	Γ101 M	AIN:		ML	.0	(CALC SO	CC:	4,	157				APPROX. DIM:	20"V	٧x	5.75"D X 50"H
LOAD	N O T E	Phase, Neu, Gro Size	P O L E		скт		A		В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
Z001 LIGHTING	1 1	1-#8, 1-#8, 1-#8	1	20	1	297	294					2	20	1	1-#8, 1-#8, 1-#8	1	1	Z006 LIGHTING
Z002 LIGHTING	1 1	1-#4, 1-#4, 1-#4	1	20	3			1344	264			4	20	1	1-#10, 1-#10, 1-#10	1	1	Z007 LIGHTING
Z003 LIGHTING	1 1	1-#10, 1-#10, 1-#	10 1	20	5					147	112	6	20	1	1-#10, 1-#10, 1-#10	1	1	Z008 LIGHTING
Z004 LIGHTING	1 1	1-#10, 1-#10, 1-#	10 1	20	7	114	126					8	20	1	1-#10, 1-#10, 1-#10	1	1	Z009 LIGHTING
Z005 LIGHTING	1 1	1-#10, 1-#10, 1-#	10 1	20	9			228	252			10	20	1	1-#10, 1-#10, 1-#10	1	1	Z010 LIGHTING
SITE REC	1	1-#10, 1-#10, 1-#	10 1	20	11					180	210	12	20	1	1-#10, 1-#10, 1-#10	1	1	Z011 LIGHTING
SITE REC		1-#10, 1-#10, 1-#	10 1	20	13	180	180					14	20	1	1-#10, 1-#10, 1-#10	1		SITE REC
SITE REC		1-#10, 1-#10, 1-#	10 1	20	15			180	180			16	20	1	1-#10, 1-#10, 1-#10			SITE REC
SITE REC	1	1-#10, 1-#10, 1-#	10 1	20	17					180	180	18	20	1	1-#10, 1-#10, 1-#10			SITE REC
SITE REC		1-#10, 1-#10, 1-#	10 1	20	19	180	180					20	20		1-#10, 1-#10, 1-#10	1		SITE REC
FAUCET POWER	3/4	1-#10, 1-#10, 1-#	10 1	20	21			600	180			22	20	1	1-#10, 1-#10, 1-#10			SITE REC
FAUCET POWER		1-#10, 1-#10, 1-#	10 1	20	23					600	180	24	20	1	1-#10, 1-#10, 1-#10			SITE REC
LRP POWER	3/4	1-#12, 1-#12, 1-# ²	12 1	20	25	200	2500					26	40	_	0.40.4.440	4		1111.7.4
SPARE			1	20	27			0	2500			28	40	2	2-#8, 1-#10	1		UH-T.1
SPARE			1	20	29					0	2500	30	40	2	0.40.4.440	4		UH-T.4
SPARE			1	20	31	0	2500					32	40	2	2-#8, 1-#10	1		UH-1.4
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						
SPARE			1	20	39			0	0			40	30	3	1-#10, 1-#10, 1-#10	3/4		SPD
SPARE			1	20	41					0	0	42						
							1 VA 3 A		8 VA		289 VA 36 A							
Load Classification				Co	nnec	ted Load			and Fact		Estimate	d Den	nand	Τ		Par	nel	Totals
Power					200) VA		1	00.00%		200) VA		+				
REC						0 VA			00.00%			0 VA		+	CONNECTE	DIOA	D ,	16768 VA
Lighting						8 VA			25.00%			5 VA		+			_	17615 VA
Mechanical						00 VA			00.00%			00 VA		_	VG. CONNECTED CL		_	
IVICUIAIIICAI					1000	JUVA			00.0070		1000	JU VA		ļ ^	VO. CONNECTED CO) NEN	'' '	<u> </u>

AVG. DEMAND CURRENT 49 A

NOTES:

1. CONTROL SITE LIGHTING CIRCUIT WITH DEDICATED LIGHTING RELAY PANEL CONTROL ZONE AND MANUAL SWITCH.

PANEL ID:	В		_				3Y/120			E EQUIP	_					MOUNT		
SOURCE:	Α		AM	PS:		100)	M	IAIN:		MLC)				TYPE:	В	OLT ON
LOCATION:	UTIL	ITIES 1	Γ101 PA	NEL	. AIC	: 22,	000	Α	PPROX	K. DIM:	EXIS	STING					S	QUARE D NQOD
LOAD	N C T	COND	Phase, Neu, Grd Size	P O L E		СКТ	,	Α.		В	(C	скт	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E
PLAZA TREE LIGHTS				1	20	1	500	0					2	20	1			SPARE
PLAZA TREE LIGHTS				1	20	3			500	500			4	20	1			NIGHTSCAPE TRANS.
PLAZA TREE LIGHTS				1	20	5					500	0	6	20	1			SPARE
E LIGHTS				1	20	7	500	456					8	20	1	1-#12, 1-#12, 1-#12	3/4	LIGHTING
SPARE				1	20	9			0	500			10	20	1			E LIGHTS
SPARE				1	20	11					0	500	12	20	1			E LIGHTS
SPARE				1	20	13	0	500					14	20	1			H LIGHTS
UPPER WALKWAY LIGHTS	;			1	20	15			500	500			16	20	1			H LIGHTS
UPPER WALKWAY LIGHTS	;			1	20	17					500	500	18	20	1			H LIGHTS
UPPER WALKWAY LIGHTS	;			1	20	19	500	500					20	20	1			H LIGHTS
SPARE				1	20	21			0	500			22	20	1			H LIGHTS
SPARE				1	20	23					0	500	24	20	1			H LIGHTS
SPARE				1	20	25	0	500					26	20	1			LOWER WALKWAY LIGHTS
SPARE				1	20	27			0	245			28	20	1	1-#12, 1-#12, 1-#12	3/4	LIGHTING
SPARE				1	20	29					0	1176	30	20	1			EF-1
STAIR LIGHTS				1	20	31	500	0					32	20	1			SPARE
STAIR LIGHTS				1	20	33			500	0			34	20	1			SPARE
STAIR LIGHTS				1	20	35					500		36		1			SPACE
SPACE				1		37							38		1			SPACE
SPACE				1		39							40		1			SPACE
AC-T.1		3/4	1-#12, 1-#12, 1-#12	2 1	15	41					500		42		1			SPACE
								6 VA		5 VA 1 A	4676	6 VA						
Load Classification					Co	nnec	ted Load	•		and Facto		stimated	d Dem	and			Pane	el Totals
Power						1000	00 VA		1	100.00%		1000	0 VA					
Lighting						70	1 VA		1	125.00%		876	VA			CONNECTE	D LOAD	12377 VA
Mechanical						167	6 VA		1	100.00%		1670	6 VA			DEMAN	D LOAD	12552 VA
															A۱	VG. CONNECTED C	JRRENT	34 A
									1							AVG. DEMAND CU	IDDENT	2E A

UTILIT	JRCE:								S	ERVICE	EQUIP	: Yes					MOUNT	ING: S	Sui	тасе
CATION: UTILITIES T101							400)	M	AIN:		MCI	3				TYPE:	ı	ΕX	STING
UTILI ⁻	TIES 1	۲ 101		PAN	IEL	AIC	: 22,	000	Α	PPROX	DIM:	EXI	STING					;	SQ	UARE D I-LINE
N O T E	COND	Phas	se, Neu Size	, Grd	P O L E	BKR	скт	,	A	E	3	(:	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
							1	0	10200					2						
3					3	150	3			0	10200			4	150	3			3	SDP VIA TF1
							-	40700	7000			0	10200							
2					3	225		13/96	/333	1/1865	7333			_	225	2			3	QТ
3						223				14003	7333	14636	7333	_	223	3			3	31
							13	6751						14						
1 1-1/2 3-#1, 1-#		l, 1-#1 ,	1-#8	3	100	15			5728				16		3				SPACE	
							17					4289		18						
						Co	nnoc			_				l Don	hand			Dan	- ام	Totale
									-	_		J1						ı aı		Totals
																	CONNECTE	D I OAI	D 1	12665 VA
																			_	
																Α١			_	
							200.			•	00.0070									
																				<u>-</u>
	3 3 1	3 3 1 1-1/2	N O T COND Phase 3 3 1 1-1/2 3-#1	N O T E COND Phase, Neu Size 3 3 1 1-1/2 3-#1, 1-#1,	NOTE COND Phase, Neu, Grd Size 3 3 1-1/2 3-#1, 1-#1, 1-#8	NOTE COND Phase, Neu, Grd Size E 3 3 1 1-1/2 3-#1, 1-#1, 1-#8 3	NOTE COND Phase, Neu, Grd Size BKR 3 3 150 3 1-1/2 3-#1, 1-#1, 1-#8 3 100	NO COND Phase, Neu, Grd Size P O BKR CKT 3 3 150 3 3 225 9 11 1-1/2 3-#1, 1-#1, 1-#8 3 100 15 7 700 17 Connec 7500 3 3 3 408 2967	N	N	N	N	N O T E COND Phase, Neu, Grd Size E BKR CKT A B CKT E CKT E CKT A B CKT A CKT	N	N	N COND Phase, Neu, Grd E BKR CKT A B C CKT BKR 3	N	N	N O COND	N O T COND Phase, Neu, Grd Size P BKR CKT A B C CKT BKR CKT BKR CKT Size COND O T E

PANEL ID:	SD	P		VOL1	ΓAG	BE:	208	Y/120	5	SERVICE	E EQUIP:	: No)				MOUN ⁻	ΓING:	Su	rface
SOURCE:	MDP			AMPS	S :		150)	ľ	MAIN:		MC	СВ				TYPE:		ΕX	ISTING
LOCATION:	UTIL	ITIES T	101	PANE	EL /	AIC:	22,	000		APPROX	. DIM:	EX	ISTING					;	SQ	UARE D NQOD
LOAD	N C T	COND	Phase, Neu, Size	Grd	P O L E	BKR	СКТ	A	A	ı	В		С	СКТ	BKR	P O L E	Phase, Neu, Grd Size	COND	N O T E	LOAD
EXISTING	2	2			1	20	1	200						2	-	1				SPACE
EXISTING	2	2			1	20	3			200				4	-	1				SPACE
EXISTING	2				-	20	5					200		6		1				SPACE
EXISTING	2	2			1	20	7	200						8	-	1				SPACE
EXISTING	2	2			1	20	9			200				10		1				SPACE
EXISTING	2	2			1	20	11					200		12		1				SPACE
							13	3600	200					14	20	1			2	EXISTING
HM	2	2			3	60	15			3600	200			16	20	1			2	EXISTING
							17					3600	200	18	20	1			2	EXISTING
SPACE					1		19		6000					20						
SPACE					1		21				6000			22	100	3			2	PB
SPACE					1		23						6000	24						
SPACE					1		25							26		1				SPACE
SPACE					1		27							28		1				SPACE
SPACE					1		29							30		1				SPACE
								1020	0 VA	1020	00 VA	102	200 VA							
								85	A	85	5 A	8	35 A							
Load Classification						Co	nnec	ted Load	i	Dem	and Facto	or	Estimate	d Den	nand			Par	nel '	Totals
Power							3060	00 VA		1	00.00%		3060	00 VA						
																	CONNECTE	D LOA	D 3	80600 VA
																	DEMAN	ID LOA	D 3	0600 VA
																A'	VG. CONNECTED C	URREN	T 8	85 A
																	AVG. DEMAND C	URREN	T 8	85 A
NOTES: 1. PROVIDE NEW CIRCU AND AIC RATING. 2. EXISTING CIRCUIT TO		•	ED AS INDICA	TED. MA	ATC	H EX	KISTII	NG MAN	UFACT	URER										

PANEL ID:	Α				VOL	TΑ	GE:	208	3Y/120	S	ERVICE	EQUIP:	No					MOUNT	ING:	Su	ırface
SOURCE:	MDF	•			AMP	S:		225	5	N	IAIN:		MLO)				TYPE:		EX	KISTING
LOCATION:	UTIL	ITIE	ST	101	PAN	EL	AIC	: 22,	000	A	PPROX	. DIM:	EXI	STING						SC	QUARE D NQOD
LOAD		N C T E	OND	Phase, Neu, Size	Grd	P O L E	BKR	СКТ	4	\		В	(3	СКТ	BKR	P O L E	Phase, Neu, Grd Size	CONI	N O T E	LOAD
HALL LIGHTS		2				1	20	1	500	540					2	20	1	1-#12, 1-#12, 1-#12	3/4	3	CONCESSION REC
WOMEN'S RESTROOM		2				1	20	3			360	1000			4	20	1	1-#12, 1-#12, 1-#12		3	FRIDGE CABINET
MEN'S RESTROOM		2				1	20	5					360	1000	6	20	1	1-#12, 1-#12, 1-#12		3	MICROWAVE
UTILITY ROOM REC		2				1	20	7	180	360					8	20	1			2	TELEPHONE REC
GIFT SHOP LIGHTS/FAN		2				1	20	9			500	500			10	20	1			2	WOMEN'S HAND DRYER (1)
CONTROL PANEL BLEACH	ERS :	2				1	20	11					500	500	12	-00					MATERILEATER
CONTROL PANEL BLEACH	ERS :	2				1	20	13	500	500					14	20	2			2	WATER HEATER
EXISTING		2				1	20	15			200	500			16	20	1			2	MEN'S HAND DRYER
MECH RM LTG/EMERG LTG	G :	2				1	20	17					500	200	18	20	1			2	EXISTING
MECH ROOM EXH FAN	:	2				1	20	19	100	100					20	20				2	BATHROOM EXH FAN
EXISTING	:	2				1	20	21			200	500			22	20	1			2	GFI RR AND HALL EMERG LTO
STAIRWAY LIGHTS	:	2				1	20	23					0	200	24	20	1			2	EXISTING
UH-T.2	-	1	1	1-#8, 1-#8, 1-	- #10	1	40	25	3000	200					26	20	1			2	EXISTING
UH-T.3	-	1	1	1-#8, 1-#8, 1-	- #10	1	40	27			3000	500			28	20	1			2	WOMEN'S HAND DRYER (2)
UH-T.5		1	1	1-#8, 1-#8, 1-	- #10	1	40	29					3000	500	30	20	1			2	LETTER E GFI
UH-T.6		1	1	1-#8, 1-#8, 1-	- #10	1	40	31	3000	500					32	20	2			2	CAFE CONCESSION AREA
UH-T.7		1	1	1-#8, 1-#8, 1-	- #10	1	40	33			3000	500			34	20	_				POWER
UH-T.8		1	1	1-#8, 1-#8, 1-	- #10	1	40	35					3000	200	36	20				2	EXISTING
								37	3956	360					38	20	1			2	UPPER LAWN RECS
В	:	2				3	100	39			3745	360			40	20	1			2	LOWER LAWN RECS
								41					4676		42		1				SPACE
									1379			65 VA		6 VA							
									118	5 A	12	5 A	12	3 A							
Load Classification							Co	nnec	ted Load		Dem	and Facto	r E	stimated	d Dem	nand			Pa	nel	Totals
Power								2220	00 VA		1	00.00%		2220	0 VA						
REC								720) VA		1	00.00%		720	VA			CONNECTE	D LO	۱D	43297 VA
Lighting								701	1 VA		1	25.00%		876	VA			DEMAN	D LO	١D	43472 VA
								1967	76 VA		1	00.00%		1967	6 VA		A	VG. CONNECTED C	JRREI	NT.	120 A
Mechanical	•																-	AVG. DEMAND CI		\rightarrow	

PANEL	_ KEY
С	MDP
В	SDP
	Α



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SEAL 039503

NO. REVISION DATE

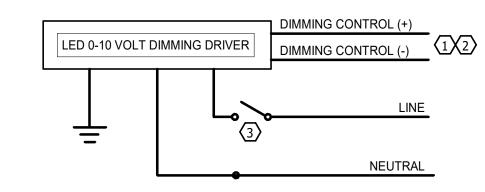
JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

PANEL
SCHEDULES AMPHITHEATER

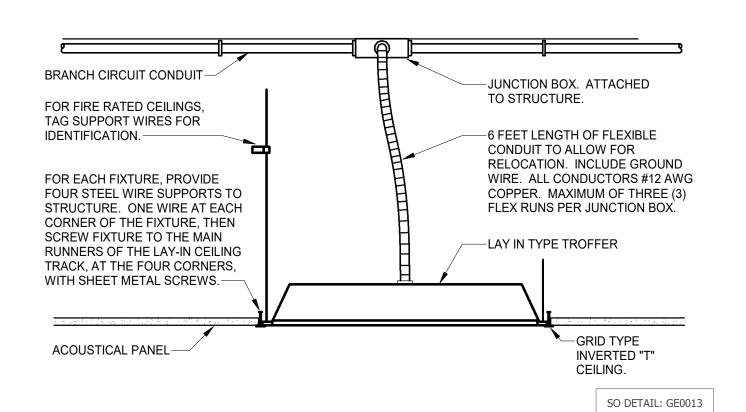
				LIG	HTING FIXTU	JRE SCHEDUI	LE		
TYPE MARK	DESCRIPTION	MOUNTING	LUMENS	VOLTAGE	WATTAGE	CONTROL	FIXTURE MEETING SPECIFICATION ML	COMMENTS	Image
A	4" CYLINDER ON STEM MOUNT	SURFACE	2500	120/277	30 VA	0-10V	EDISON PRICE MAXIMA CZS NSP-OBM	PROVIDE PREFERRED BRAND ALTERNATE FIXTURE COMPATIBLE WITH EXISTING LIGHTING TRACK	
)	4" WET LOCATION CYLINDER	SURFACE	2500	120/277	23 VA	0-10V	HEW - 4CR INTENSE - SS6 SERIES METEOR - RS6N SERIES	CLEAR DIFFUSE, WET LOCATION RATED	
=	CURVED LED PENDANT	PENDANT	1000/FT	120/277	9 VA/FOOT	0-10V	TECHOLED - BX-CURV FINELITE - HP4 SERIES TMS - 971LUCU SERIES		
Ξ 1	LED PENDANT	PENDANT	1000/FT	120/277	9 VA/FOOT	0-10V	TECHOLED - BX-CURV FINELITE - HP4 SERIES TMS - 971LUCU SERIES		
EM	WALL MOUNT EMERGENCY LIGHTING UNIT WITH HIGH OUTPUT BATTERY	SURFACE, WALL MOUNT	1100	120/277	5 VA	N/A	CHLORIDE CLU MULE SQ-80 BEGHELLI PACO		
=	ROUND PENDANT LED 13" WIDE 32" HIGH	PENDANT	2050	120/277	18 VA	0-10V	MODO LUCE - OMBRELLA PRANDINA -LANDING S70 SERIES OLEV - OVERFLY PLUS SERIES	PROVIDE BRASS FINISH	
-LS02	COMPACT LED EXTERIOR FLOOD LIGHT	SURFACE, EXTERIOR	4102	120/277	48 VA	0-10V	SEE LT SHEETS FOR COMPLETE LIGHTING SPEC		
FP01	6" PENDANT	PENDANT	5050	120/277	58 VA	0-10V	SEE LT SHEETS FOR COMPLETE LIGHTING SPEC		
FP01A	6" PENDANT	PENDANT	4459	120/277	58 VA	0-10V	SEE LT SHEETS FOR COMPLETE LIGHTING SPEC		8



KEYED NOTES:

- CAP DIMMING CONTROL LEADS WHERE FIXTURES ARE NOT REQUIRED TO BE DIMMED, AND ROVIDE LINE SIDE SWITCHLEG (NOT SHOWN).
- 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.







FIXTURE SCHEDULE NOTES:

- 1. 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.
- 2. 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 4000K UNLESS NOTED OTHERWISE.
- UNLESS NOTED OTHERWISE, ALL FIXTURES SHALL INCLUDE INTEGRAL DRIVER.
 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.

500 LM UP/ 600 120/277 11 VA/FOOT 0-10V 2" WIDE 6' LONG LINEAR PENDANT FINELITE - HP2 SERIES PROVIDE 1" DROP LENS AND FINISH RAL DIRECT/INDIRECT LM DOWN 3G - 2PLI SERIES PENDANT LED BIRCHWOOD - NOLAN SERIES 2" WIDE 8' LONG LINEAR PENDANT 500 LM UP/ 600 120/277 11 VA/FOOT 0-10V FINELITE - HP2 SERIES PROVIDE 1" DROP LENS AND FINISH RAL DIRECT/INDIRECT LM DOWN 3G - 2PLI SERIES 200-40-10 PENDANT LED BIRCHWOOD - NOLAN SERIES 500 LM UP/ 600 | 120/277 11 VA/FOOT 0-10V FINELITE - HP2 SERIES PROVIDE 1" DROP LENS AND FINISH RAL 2" WIDE 12' LONG PENDANT 3G - 2PLI SERIES LINEAR LM DOWN 200-40-10 DIRECT/INDIRECT BIRCHWOOD - NOLAN SERIES PENDANT LED FINELITE - HP2 SERIES 2" WIDE 4' LONG SURFACE 329 LM/FT 120/277 4 VA/FOOT SURFACE LINEAR LED 3G - 2PLI SERIES BIRCHWOOD - NOLAN SERIES FINELITE - HP2 SERIES SURFACE 329 LM/FT 120/277 4 VA/FOOT 0-10V 2" WIDE 6' LONG SURFACE LINEAR LED 3G - 2PLI SERIES BIRCHWOOD - NOLAN SERIES LIGHTART - FRENCH CURVE 18" X 24" DECORATIVE PENDANT 800 120/277 PENDANT LED SERIES SCOTT - PANAMA SERIES BYIBA - ZELDA ROUND SERIES 120/277 LIGHTART - FRENCH CURVE 24" X 36" DECORATIVE PENDANT 800 10 VA PENDANT LED SERIES SCOTT - PANAMA SERIES BYIBA - ZELDA ROUND SERIES 12" X 12" DECORATIVE PENDANT 800 120/277 10 VA LIGHTART - FRENCH CURVE PENDANT LED SERIES SCOTT - PANAMA SERIES BYIBA - ZELDA ROUND SERIES 34" WIDE 19" HIGH PENDANT 2373 120/277 25 VA LIGHTART - EMPIRE PROVIDE WHITE CANOPY AND DUSK CYLINDER PENDANT MODO LUCE - ALCO SERIES FINISH BYIBA - ACOUSTIC DRUM SERIES 120/277 BDL - 1153070 RESTROOM SCONCE SURFACE 2000 MULLAN - MLBWL141 SERIES SCOTT - S3A75 Series 3.5" WIDE SURFACE SURFACE, 750 LM/FOOT 120/277 SEE LT SHEETS FOR COMPLETE LIGHTING SPEC MOUNTED LINEAR LED WALL MOUNT 3.5" WIDE 8' LONG SURFACE 750 LM/FOOT 120/277 5 VA/FOOT SEE LT SHEETS FOR COMPLETE LIGHTING SPEC SURFACE MOUNT LINEAR LED LED LINEAR STRIP SURFACE/SUSP 4000 DAYBRITE - FSS SERIES TGS - LSL SERIES BINA - ELEMENT SERIES TRACK LIGHTING TRACK TECHO - MT SERIES BYIBA - MAGNETIC SERIES GARDCO GWM-A07 EXTERIOR WALL PACK SURFACE, PHOTOCELL PROVIDE INTEGRAL PHOTOCELL WALL MOUNT LEDALUX MWP15-38W FC LIGHTING FCW1011 DECORATIVE EXTERIOR SURFACE, PHOTOCELL DMF XCW-R WALL LIGHT WALL MOUNT TMS ESPADA VISA OW2400 SASS 120/277 MULE PVT EDGE LIT LED EXIT SIGN CEILING PROVIDE MIRROR BACK CHLORIDE 44R SERIES BEGHELLI CRV EDGE LIT LED EXIT SIGN WALL CHLORIDE 44R SERIES BEGHELLI CRV EDGE LIT LED EXIT SIGN WALL MULE PVT PROVIDE BATTERY BACKUP FOR 90 CHLORIDE 44R SERIES MINUTE OPERATION BEGHELLI CRV

LIGHTING FIXTURE SCHEDULE

VOLTAGE WATTAGE CONTROL

MOUNTING LUMENS

120/277

RECESSED, 2143

RECESSED, 10000

GRID LAY-IN

GRID LAY-IN

2X2 LAY-IN LED

TROFFER WITH

2X4 LAY-IN LED

TROFFER WITH

ACRYLIC CENTER LENS

WITH INTEGRAL LINEAR

ACRYLIC CENTER LENS

WITH INTEGRAL LINEAR

FIXTURE MEETING

COMMENTS

CURVED SHIELDING

WASHABLE LENSES

DAYBRITE - DSRT SERIES CURVED SHIELDING, PROVIDE FLAT

Image

SPECIFICATION ML

COLUMBIA LCAT22

LITHONIA

CREE

DAY-BRITE

LSI INDUSTRIES

HEW - LT SERIES

FINELITE - HPR SERIES



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SEAL 039503

MGINEER HOLLING

06/30/2025

JOB NUMBER

JOB NUMBER
22-028

DATE ISSUED
07/03/25

PROJECT STATUS
ISSUED FOR BID

SHEET
LIGHTING
FIXTURE
SCHEDULE -

VEL C F500

SO DETAIL: IN0011 LED

1 DIMMING CONTROL (+) LED 0-10 VOLT DIMMING DRIVER DIMMING CONTROL (-)

KEYED NOTES:

(1) CAP DIMMING CONTROL LEADS WHERE FIXTURES ARE NOT REQUIRED TO BE DIMMED, AND ROVIDE LINE SIDE SWITCHLEG (NOT SHOWN).

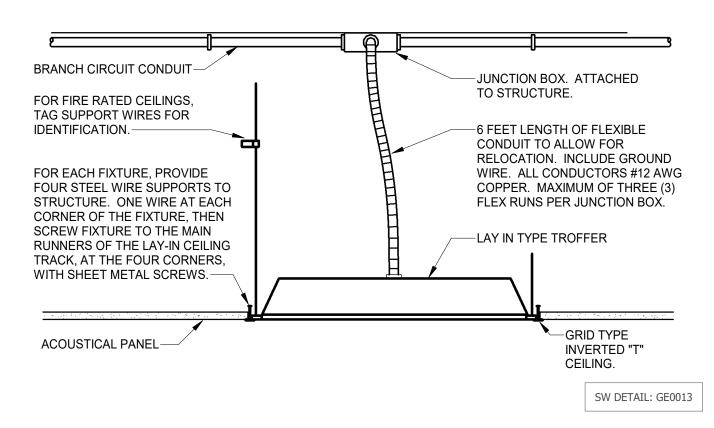
NEUTRAL

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.

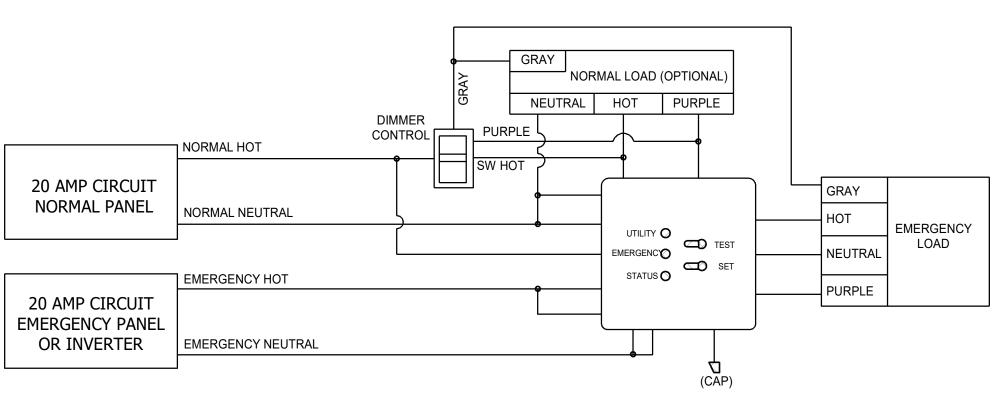
(3) INTEGRAL DRIVER DISCONNECT.

SW DETAIL: CN0046

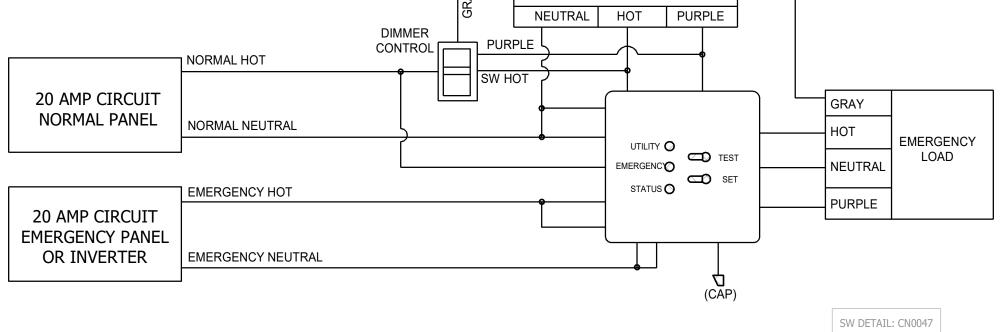
1 \ 0-10 VOLT DIMMING WIRING DETAIL E501 SCALE: NTS



2 LIGHTING FIXTURE MOUNTING DETAIL E501 SCALE: NTS



SW DETAIL: CN0047 3 UL1008 0-10V DIM BRANCH CIRCUIT EMERGENCY LIGHTING TRANSFER SWITCH E501 SCALE: NTS



KEYED NOTES

E501 SCALE: NTS

GENERAL NOTES:

LIGHTING

LOCAL ON/OFF

SPACES NOT CONTROLLED

BY LIGHTING SYSTEM

SWITCH

NEW

PANEL

480Y/277V

LIGHTING

FIXTURES

3/4" CONDUIT UNLESS NOTED OTHERWISE.

1. RISER INDICATES TYPICAL LIGHTING CONTROL METHODS EMPLOYED FOR THIS

2. REFER TO FLOOR PLANS FOR EXACT DEVICE QUANTITIES AND LOCATIONS.

3. PROVIDE ALL CLASS 2 WIRING BETWEEN FIXTURES AND CONTROL DEVICES IN

LIGHTING

FIXTURES

-OCCUPANCY

SENSOR

-0-10V DIMMER(S)

AS INDICATED ON

SPACES WITH LOCAL

AUTOMATIC CONTROL

CONSERVATION LEVEL A - NEW

CIRCUITS AND CONTROLS

LIGHTING

FIXTURES

TIMER SWITCHES

AS INDICATED ON

CONSERVATION SPACES WITH LOCAL

TIME CONTROL

- (1) CIRCUITS AS DESIGNATED BY FLOOR PLANS. PROVIDE BRANCH CIRCUITS AND RACEWAYS AS REQUIRED BY PANEL SCHEDULE(S).
- ROUTE BRANCH CIRCUITS TO LIGHTING PANEL AS INDICATED ON THE ELECTRICAL
- (3) CONDITION SHOWN APPLIES TO LIGHTS THAT ARE COMPATIBLE WITH EXISTING EDISON PRICE LIGHTING TRACK RECESSED IN CONCRETE STRUCTURE. WHERE FIXTURES ARE NOT ABLE TO CONNECT TO EXISTING TRACK, INTERCEPT LIGHTING CIRCUIT AHEAD OF TRACK AND AFTER AUTOMATIC CONTROLS OUTSIDE OF CONCRETE STRUCTURE AND EXTEND TO FIXTURE. SURFACE MOUNT CONDUIT FLUSH TO BOTTOM OF CONCRETE STRUCTURE RIBS.

—EXISTING LIGHTING TRACK CIRCUIT —EXISTING LIGHTING TRACK CIRCUIT <u>_____3</u> EXISTING LTG | CONTACTOR | EXISTING LIGHTING LIGHTING LIGHTING LIGHTING \vdash - \rightarrow + - \rightarrow **FIXTURES FIXTURES** TRACK CIRCUIT **FIXTURES** -++--EXISTING -OCCUPANCY LIGHTING SENSOR PANEL TIMER SWITCHES -0-10V DIMMER(S)

LIGHTS OFF MANUALLY WHILE ROOM IS OCCUPIED. 2. SPACES NOT CONTROLLED BY BUILDING LIGHTING SYSTEM:

a. ELECTRICAL ROOMS b. MECHANICAL ROOMS

CONTACTOR.

SCHEDULE OF EVENTS

1. SPACES UTILIZING LOCAL AUTOMATIC CONTROL:

TO CONTROL THE GENERAL LIGHTING.

- 3. SPACES UTILIZING BUILDING AUTOMATIC CONTROL SYSTEM:
- a. NEW LIGHTING PROVIDED IN RENOVATED AREAS. CONNECTING TO EXISTING CIRCUITS. THESE CIRCUITS ARE CONTROLLED BY EXISTING LIGHTING

a. PROVIDE SWITCHING CONFIGURATION AS SHOWN ON FLOOR PLANS

c. PROVIDE OCCUPANCY SENSORS (AS REQUIRED PER MANUFACTURER

(ON/OFF SWITCH, DIMMING SWITCH, TIMER SWITCH OR NO LOCAL SWITCHING)

b. WHERE APPLICABLE, ROUTE LIGHTING BRANCH CIRCUIT(S) TO LIGHT FIXTURES WITHIN SPACE AND CONTROL WITH 0-10 VOLT DIMMER. DIMMER SHALL

INCORPORATE SLIDER FOR ILLUMINATION LEVEL AND TOGGLE FOR ON/OFF.

LAYOUT) PER ROOM TO ALLOW LIGHTS TO TURN ON AND TO TURN OFF

RELATIVE TO OCCUPANCY OF SPACE. WHERE LOCAL SWITCHING IS

PROVIDED, OCCUPANTS SHALL BE PROVIDED THE ABILITY TO TURN

EDGE LIT LED EXIT SIGN CEILING

THERMOPLASTIC EXIT

1. 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.

CHLORIDE 44R SERIES BEGHELLI CRV

LITHONIA LHQM-R-HO

ISOLITE MULE

CHLORIDE

- 2. 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.

FIXTURE SCHEDULE NOTES:

120/277

- 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 4000K 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

JOB NUMBER 22-028 DATE ISSUED SHEET

LIGHTING FIXTURE SCHEDULE -**CONSERVATION**

AS INDICATED ON AS INDICATED ON PLAN PLAN 208Y/120V SPACES CONNECTED TO BUILDING CONTROL SYSTE CONSERVATION SPACES WITH LOCAL SPACES WITH LOCAL AUTOMATIC CONTROL TIME CONTROL LEVEL B AND LEVEL C CONTROLLED BY EXISTING SW DETAIL: CN0022 R 4 INTERIOR LIGHTING CONTROL RISER DIAGRAM

MOUNTING LUMENS VOLTAGE WATTAGE CONTROL FIXTURE MEETING SPECIFICATION TYPE MARK DESCRIPTION COMMENTS Image 6" WIDE 2' LONG RECESSED 750 LM/FT 120/277 6 VA/FOOT FINELITE- HO4 RECESSED PROVIDE WHITE FINISH WITH OPEN RECESSED NARROW TECHOLED- C-CONCAVE-D REFLECTOR APERTURE LINEAR LED LUMENWERX- CAVA LED RECESSED, 750 LM/FT 120/277 6 VA/FOOT 0-10V FINELITE- HO4 RECESSED PROVIDE WHITE FINISH WITH OPEN 6" WIDE 4' LONG TECHOLED- C-CONCAVE-D RECESSED NARROW WALL MOUNT REFLECTOR LUMENWERX- CAVA LED APERTURE LINEAR LED RECESSED, 750 LM/FT 120/277 6 VA/FOOT 0-10V FINELITE- HO4 RECESSED PROVIDE WHITE FINISH WITH OPEN 6" WIDE 10' LONG TECHOLED- C-CONCAVE-D RECESSED NARROW WALL MOUNT REFLECTOR APERTURE LINEAR LED LUMENWERX- CAVA LED 6" WIDE 12' LONG RECESSED, 750 LM/FT 120/277 6 VA/FOOT 0-10V FINELITE- HO4 RECESSED PROVIDE WHITE FINISH WITH OPEN RECESSED NARROW WALL MOUNT TECHOLED- C-CONCAVE-D REFLECTOR LUMENWERX- CAVA LED APERTURE LINEAR LED 2" WIDE 3' LONG SURFACE SURFACE 750 LM/FT 120/277 7 VA/FOOT 0-10V FINELITE- HP2 SURFACE PROVIDE WHITE FINISH TECHOLED- BX-2 SERIES MOUNTED LINEAR LED HE WILLIAMS- MX2S SERIES 2" WIDE 4' LONG SURFACE SURFACE 750 LM/FT 120/277 7 VA/FOOT FINELITE- HP2 SURFACE PROVIDE WHITE FINISH MOUNTED LINEAR LED TECHOLED- BX-2 SERIES HE WILLIAMS- MX2S SERIES 2" WIDE 4' LONG SURFACE SUSPENDED 750 LM/FT 120/277 7 VA/FOOT FINELITE- HP2 PENDANT PROVIDE WHITE FINISH MOUNTED LINEAR LED TECHOLED- BX-2 SERIES HE WILLIAMS- MX2S SERIES 2" WIDE 3' LONG WALL RECESSED, 750 LM/FT 7 VA/FOOT FINELITE- HP2 RECESSED 120/277 PROVIDE ALUMINUM FINISH MOUNTED LINEAR LED WALL MOUNT TECHOLED- BX-2 SERIES HE WILLIAMS- MX2R SERIES 2" WIDE 12' LONG WALL RECESSED, 750 LM/FT 120/277 7 VA/FOOT FINELITE- HP2 RECESSED PROVIDE WHITE FINISH MOUNTED LINEAR LED WALL MOUNT TECHOLED- BX-2 SERIES HE WILLIAMS- MX2R SERIES 7 VA/FOOT 2" WIDE 18' LONG WALL RECESSED, 750 LM/FT 120/277 FINELITE- HP2 RECESSED PROVIDE WHITE FINISH MOUNTED LED TECHOLED- BX-2 SERIES WALL MOUNT HE WILLIAMS- MX2R SERIES 8" WIDE 4' LONG LINEAR PENDANT 875 LM/FT 60% 120/277 FINELITE- S16 SERIES 31.5 VA PROVIDE ALUMINUM FINISH DIRECT/INDIRECT METALUMEN- RMEP8-2L40K DOWN/40% UP TECHOLED- TP-DI-4 HE WILLIAMS- BP-24 2X4 LAY-IN LED FLAT RECESSED, 120/277 SIGNIFY- SBP GRID LAY-IN LEDALUX- PNL FIXTURE SHALL BE RATED FOR USE IN A HAZARDOUS LOCATION SURFACE BEGHELLI CASTEX 600 40 VA HAXLUX LI1 LED 1X4 SURFACE MOUNTED CLASS 1 DIVISION 1 SPACE SPECGRADE ARIES-B LITHONIA ZL1D ROUND DIFFUSED LENS LED LINEAR STRIP SUSPENDED 5000 120/277 ALPHALITE ILL-4L ELITE 4-OC4 HE WILLIAMS 75S COLUMBIA MPS LITE LAB BUS-13R PROVIDE 200W CURRENT LIIMITING DEVICE TRACK LIGHTING TRACK N/A 120/277 200 VA 0-10V TRACK LIGHTING HEADS TRACK LITE LAB C3P 1800 120/277 PROVIDE FIXTURE COMPATIBLE WITH TRACK UNDER CABINET LED SURFACE 242 LM/FT 120/277 2.8 VA/FOOT 0-10V KELVIX- EZ-502 PROVIDE SILVER FINISH DIODE LED- DI-24V-ELX CONTECH- AFEX1012S+24V TAPE EXTERIOR WALL PACK SURFACE, 120/277 PROVIDE INTEGRAL PHOTOCELL GARDCO GWM-A07 WALL MOUNT LEDALUX MWP15-38W FC LIGHTING FCW1011 LASER IN USE SIGN LITHONIA LE P1RSW09 PROVIDE CUSTOM GRAPHIC. MOUNT TO 1 LASER ISOLITE TLCG2-EM MULE SS-AL-U-R XRAY IN USE SIGN LITHONIA LE P1RSW09 PROVIDE CUSTOM GRAPHIC. MOUNT TO 1 120/277 X-RAY ISOLITE TLCG2-EM MULE SS-AL-U-R IN USE

LIGHTING FIXTURE SCHEDULE

039503

PROVIDE MIRROR BACK

PROVIDE MIRROR BACK

REVISION

0

ARCHITECTURE

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07/03/25 PROJECT STATUS **ISSUED FOR BID**

LIGHT POLE BASE DETAIL

ANCHOR BOLTS (4) FURNISHED

WITH BOLLARD. TIE TO REINFORCING STEEL.

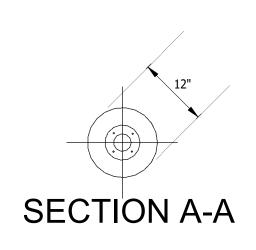
-3000 PSI CONCRETE (4)

1" CHAMFER

FINISHED GRADE

3





SO DETAIL: OL0001

SO DETAIL: OL0003

KEYED NOTES:

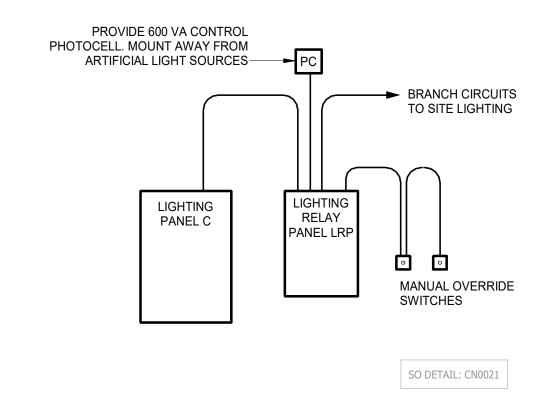
1 TYPICAL CONDUIT RUN(S) AS DETAILED ON SITE PLAN. PROVIDE ONE SPARE STUB-OUT PER POLE. 2 BOND GROUNDING ELECTRODE CONDUCTOR & CIRCUIT GROUNDING CONDUCTOR TO BOLLARD BASE.

3 GROUT AROUND BASE. PROVIDE TEMPORARY FORM TO MATCH INDICATED

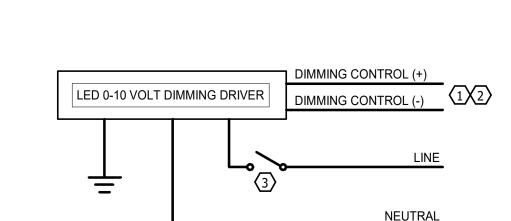
PATTERN IS TO MATCH BOLLARD BASE.

DIAMETER. AFTER FORM REMOVAL FINISH TO LEAVE SURFACE WITHOUT VOIDS OR BLEMISH. (5) CENTER BOLLARD ON CONCRETE BASE. BOLT

✓ 4 \ LIGHT BOLLARD BASE DETAIL E502 SCALE: NTS



5 SITE LIGHTING CONTROL RISER DIAGRAM



DESCRIPTION

DOUBLE HEAD, AIMABLE FLOOD

TRIPLE HEAD, AIMABLE FLOOD

LIGHTS, SHEILDING ACCESSORIES

LIGHTS, SHIELDING ACCESSORIES

24' HIGH METAL POLE MOUNTED 24' POLE

ACC01 30" HIGH EXTERIOR BOLLARD EXTERIOR, SURFACE 800

14' HIGH METAL POLE MOUNTED 14' POLE, WE-EF

LINEAR NARROW APERTURE WALL

ARCHITECTURAL EXTERIOR LED WALL

ARCHITECTURAL EXTERIOR LED WALL

ARCHITECTURAL EXTERIOR WALL SURFACE

WALL SCONCE WITH UP AND

WALL SCONCE WITH UP AND

WALL MOUNT EMERGENCY

CAST ALUMINUM EXIT SIGN

LIGHTING UNIT WITH HIGH OUTPUT

DOWNLIGHT

DOWNLIGHT

BATTERY

LED LINEAR STRIP

UPB01 6" RECESSED UPLIGHT

BL01 20" HIGH EXTERIOR BOLLARD EXTERIOR, SURFACE 429

693-3325-T3X4

TRIPLE HEAD, AIMABLE FLOOD

FIXED GENERAL LIGHT WITH

LINEAR NARROW APERTURE

SHEILDING ACCESSORY

LIGHTS, SHIELDING ACCESSORIES

AA03 14' HIGH METAL POLE MOUNTED 14' POLE, ULS RSA-4141 1508

AA04 14' HIGH METAL POLE MOUNTED 14' POLE, ULS RSA-4141 1508

- (1) CAP DIMMING CONTROL LEADS WHERE FIXTURES ARE NOT REQUIRED TO BE DIMMED, AND ROVIDE LINE SIDE SWITCHLEG (NOT SHOWN).
- 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.

1 0-10 VOLT DIMMING WIRING DETAIL E502 SCALE: 12" = 1'-0"

FIXTURE SCHEDULE NOTES:

LIGHTING FIXTURE SCHEDULE

FIXTURE MEETING SPECIFICATION ML

SEE LT SHEETS FOR COMPLETE LIGHTING SPEC

PERFORMANCE IN LIGHTING-ALU WALL

PERFORMANCE IN LIGHTING-ALU WALL

SEE LT SHEETS FOR COMPLETE LIGHTING SPEC

ARCHLIT-LEE STI DUET WE-EF-VLR120

BIRCHWOOD-KELSEY 125

ARCHLIT-LEE STI DUET

BIRCHWOOD-KELSEY 125

WE-EF-VLR120

METEOR-LANCE 4

METEOR-LANCE 4

CHLORIDE-CLU

BEGHELLI-PACO

MULE-SQ-80

HEW - 75S

FC LIGHITNG-FCC 400

DAYBRITE - FSS SERIES

TGS - LSL SERIES

GARDCO GWM-A07 LEDALUX MWP15-38W

FC LIGHTING FCW1011

CHLORIDE-45 SERIES

BEGHELLI-FORMA

MULE-MERIDIAN

FC LIGHITNG-FCC 400

LUMENS COLOR VOLTAGE WATTAGE CONTROL

120/277

120/277 12 VA

120/277 27 VA

120/277

120/277

120/277

120/277

SO DETAIL: CN0046

120/277 19 VA

30 VA

7.5 VA/FOOT 0-10V

7.5 VA/FOOT 0-10V

516 VA

0-10V

0-10V

3000

3000

3000

3000

3452.3

780 LM/FT

780 LM/FT 3000

1000 LM UP / 2700

1000 LM UP / 2700

3000

RED

1000 LM

1000 LM

DOWN

EXTERIOR, RECESSED 592

SHIELDING TYPE

COMMENTS

ARCHITECT. PROVIDE POLE CLAMP AND

HONEYCOMB LOUVER ACCESSORIES

COLOR AS SELECTED BY LANDSCAPE

COLOR AS SELECTED BY ARCHITECT.

COLOR AS SELECTED BY ARCHITECT.

MOUNT TO 7' AFF.

TEMPERED GLAZED PROVIDE BLACK FINISH. MOUNT TO 7'6"

TEMPERED GLAZED PROVIDE BLACK FINISH. MOUNT TO 8'6"

ROUND DIFFUSED SURFACE/PENDANT MOUNT AS

ARCHITECT

PROVIDE BATTERY BACKUP FOR 90

COLOR AS SELECTED BY LANDSCAPE

COLOR AS SELECTED BY ARCHITECT.

CONTROL AND BATTERY BACKUP FOR

PROVIDE BATTERY BACKUP FOR 90

PROVIDE INTEGRAL PHOTOCELL

90 MINUTE OPERATION

MINUTE OPERATION

UNLESS NOTED OTHERWISE

INDICATED ON PLANS

MINUTE OPERATION. MOUNT TO 7'6" AFF

GLASS

GLASS

BACKLIGHT SHIELD ARCHITECT

HOUSE SIDE SHIELD COLOR AS SELECTED BY LANDSCAPE

HOUSE SIDE SHIELD COLOR AS SELECTED BY LANDSCAPE

PROVIDE GLARE COLOR AS SELECTED BY LANDSCAPE

ARCHITECT

ARCHITECT

Image

- 1. 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
- 2. 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 O MATCHING CEILING CONSTRUCTION.
- 5. PROVIDE DIMMING DRIVERS WHERE DIMMING CONTROLS ARE INDICATED ON THE PLANS.
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- 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.

SO DETAIL: IN0011 LED

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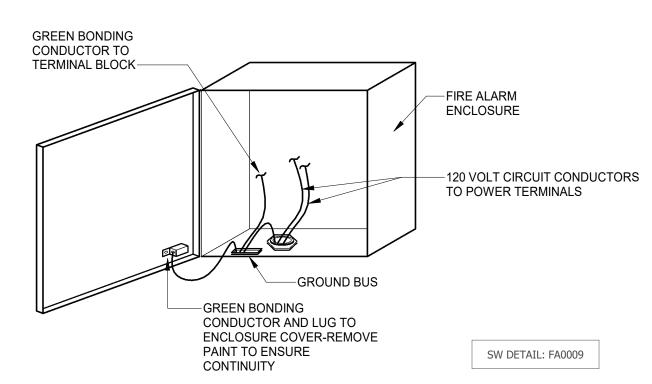
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REVISION

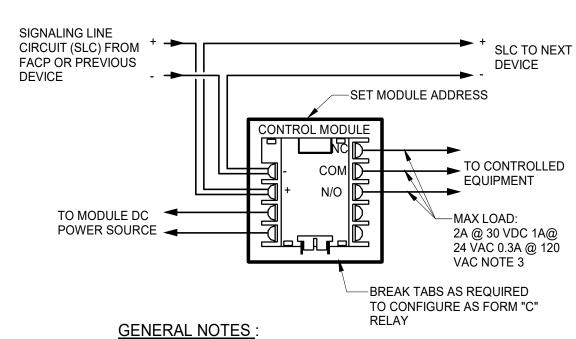
JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS **ISSUED FOR BID**

SHEET **LIGHTING FIXTURE SCHEDULE** -**AMPHITHEATER**

FIRE ALARM TERMINATION CABINET (FATC)



FIRE ALARM ENCLOSURE BONDING DETAIL E511 SCALE: NTS



- 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) CONTACTS. SW DETAIL: FA0004



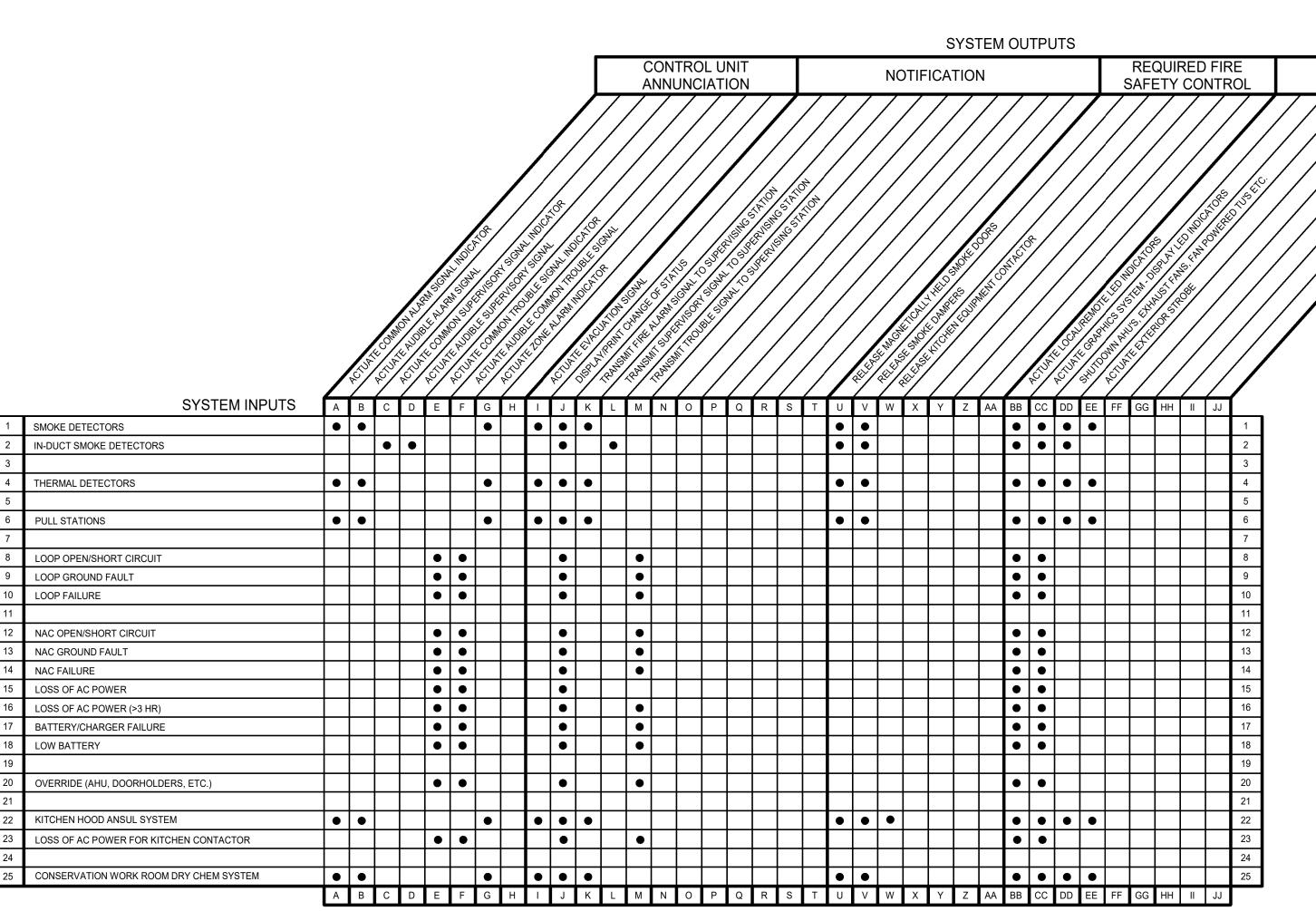
1" DIAMETÈR COILS TOGETHER (PHASE CONDUCTOR)--FEED THROUGH BRANCH CIRCUIT SURGE PROTECTION DEVICE PIANO HINGED **ENCLOSURE WITH** LOCKABLE COVER. ∠GROUND TO ENCLOSURE. -BRANCH CIRCUIT CONDUIT **GENERAL NOTES** -SURFACE MOUNTED 1. PROVIDE A NEMA 1 ENCLOSURE ELECTRICAL PANEL ADJACENT TO PANEL AND MINIMIZE CONDUCTOR LENGTHS. MOUNT WITHIN 12" OF ELECTRICAL PANEL. -CIRCUIT BREAKER 2. EQUIPMENT GROUNDING CONDUCTOR TO WITH "LOCK-ON"

3 SURGE PROTECTION DEVICE WIRING DETAIL E511 SCALE: NTS

BRANCH CIRCUIT LOAD NOT SHOWN.

MOUNT ON AN APPROVED BOX -INSTALL PER SUPPORTED NATIONAL ELECTRIC FROM STRUCTURE— -AIR SUPPLY DIFFUSER MOUNT AUDIBLE & SMOKE/ HEAT OR RETURN AIR VISUAL DEVICES ON DETECTOR— APPROVED BOXES. 0'-6" \$ 0'-4" \$ 96" MAXIMUM 0'-4" MINIMUM 3'-0" MINIMUM MINIMUM **▼** TOP OF DEVICE SMOKE/HEAT ANNUNCIATOR-DETECTOR-→ HORN[→] -CONTROL PANEL 80" MINIMUM

2 FIRE ALARM DEVICE MOUNTING DETAIL



CLIP, PAINT RED.

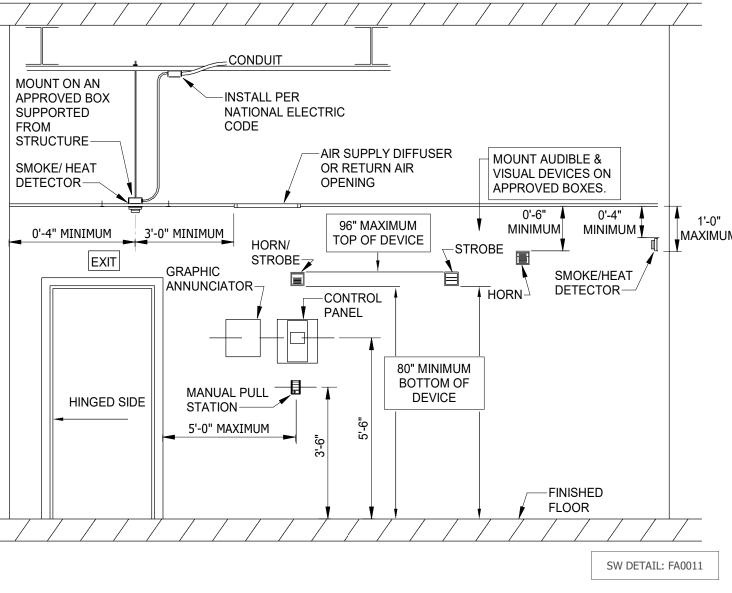
SW DETAIL: FA0006

GENERAL NOTES

- 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, AND DAMPERS.

4 FIRE ALARM CONTROL MATRIX

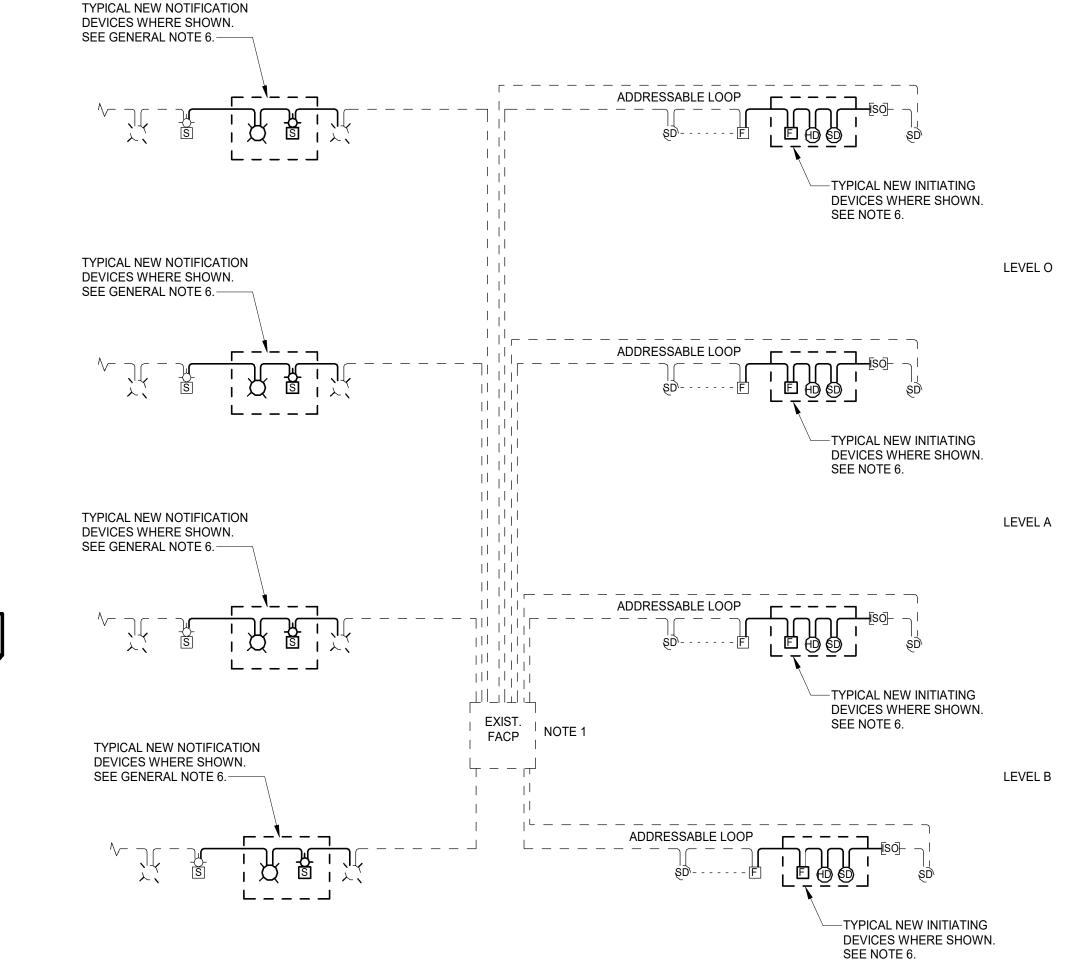
NFPA 72 AND ADA DEVICE INSTALLATION REQUIREMENTS



E511/ SCALE: NTS

SW DETAIL: FA0020

SUPPLEMENARY



GENERAL NOTES

- 1. EXISTING FIRE ALARM CONTROL PANEL IS A FULLY ADDRESSABLE NOTIFIER NFS 3030. DEVICES INSTALLED SHALL BE COMPATIBLE WITH
- 2. ALL FIRE ALARM SYSTEM MODIFICATIONS TO BE PERFORMED BY A FACTORY TRAINED AND APPROVED VENDOR AND TECHNICIANS. 3. VERIFY PROPER OPERATION OF FIRE ALARM SYSTEM AND COMPONENTS PRIOR TO STARTING WORK AND NOTIFY ENGINEER OF ANY IDENTIFIED PROBLEMS.
- 4. PROVIDE SEPARATE CONDUITS FOR OPPOSITE ENDS OF LOOP CONDUCTORS. DO NOT COMBINE LOOP CONDUCTORS INTO SINGLE CONDUIT RUNS EXCEPT AS PERMITTED BY THE SPECIFICATIONS.
- 5. RISER DIAGRAM SHOWS FUNCTIONAL CONNECTIONS. WORK REQUIRED ON FLOORS TO RELOCATE DEVICES, AS REQUIRED TO PERMIT FIRE PROTECTION WORK, IS NOT SHOWN. EXACT WIRING AND CONNECTIONS FOR ALL DEVICES (NEW AND REWORKED/RELOCATED) ARE TO BE PROVIDED AS A PART OF THE FIRE ALARM SHOP DRAWING SUBMITTAL PACKAGE SUPPLIED BY THE CONTRACTOR.
- 6. CONNECT NEW INITIATING DEVICES TO EXISTING ADDRESSABLE LOOP (IF AVAILABLE). PROVIDE ADDITIONAL ISOLATION MODULES AS NECESSARY FOR NEW EQUIPMENT SUCH THAT 20 DEVICES (MAX) ARE ISOLATED ALONG THE ENTIRE LOOP. PROVIDE ALL PROGRAMMING REQUIRED TO ACTUATE NEW DEVICES.
- 7. CONNECT NEW NAC DEVICES TO EXISTING NAC CIRUIT WHERE CAPACITY IS AVAILABLE. PROVIDE AND SUBMIT CALCULATIONS TO DEMONSTRATE CAPACITY (MAXIMUM 80% LOADING) IN EXISTING CIRCUITS WHERE DEVICES ARE TO BE ADDED. PROVIDE ADDITIONAL POWER SUPPLY WHERE EXISTING CIRCUITS LACK SUFFICIENT CAPACITY.
- 8. CONTRACTOR SHALL TAKE INITIAL STEPS TO ISOLATE FIRE ALARM DEVICES AND CIRCUITS IN THE PROJECT AREA TO PERMIT CONTRUCTION ACTIVITY. CIRCUIT INTEGRITY SHALL BE PROVISIONS AS REQUIRED TO MAINTAIN INTEGRITY AND OPERATION OF ALL FIRE ALARM CIRCUITS AND DEVICES OUTSIDE THE PROJECT AREA THROUGHOUT CONSTRUCTION
- 9. CONTRACTOR SHALL PROVIDE ALTERNATIVE MEANS OF PROTECTION IN BUILDING DURING ENTIRE TIME WHEN OCCUPIED AREAS OF BUILDING ARE EXPOSED TO A REDUCTION IN PROTECTION, EITHER WITH ALARM INITIATION CAPABILITY, OCCUPANT NOTIFICATION OR CONTROL FUNCTIONS RELATING TO GENERAL ALARM CONDITIONS. SUCH MEANS SHALL INCLUDE A FIRE WATCH AND/OR STAFFED PRESENCE IN THE BUILDING TO NOTIFY OCCUPANTS.
- 10. PERFORM A 10% TEST OF ALL EXISING DEVICES AND CIRCUITS FOLLOWING MODIFICATIONS TO THE EXISTING FIRE ALARM SYSTEM WHEN ISOLATING THE PROJECT AREA AND WHEN OTHER MODIFICATIONS IMPACTING THE SYSTEM PROGRAM ARE MADE DURING THE CONSTRUCTION DURATION.
- 11. AS PART OF INTEGRATING NEW WORK INTO THE OVERALL SYSTEM, COMPLETELY TEST ACTIVATION AND CONTROL RESPONSES (100%) FOR ALL NEW AND REWORKED DEVICES. IN ADDITION, TEST 10% OF ALL DEVICES ON EACH ADDRESSABLE LOOP IN SYSTEM. PROVIDÉ A PRINT OUT SHOWING RESULTS OF TEST AND SENSITIVITIES OF ALL SMOKE DETECTORS.



SW DETAIL: FA0021R1

LEVEL C



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REVISION

JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS **ISSUED FOR BID**

> FIRE ALARM **SYSTEM**

- KEYED NOTES: ROUTE CAT 6 CABLE (1 DATA) TO DESIGNATED TERMINATION POINT.
- ROUTE CAT 6 CABLES. 1 DATA TO PATCH PANEL AND 1 VOICE TO M66 BLOCKS IN DESIGNATED EQUIPMENT ROOMS. ROUTE CAT 6 CABLE (1 DATA) TO DESIGNATED

TERMINATION POINT. PROVIDE 25' SERVICE LOOP

IN ACCESSIBLE LOCATION FOR CONNECTION TO

SW DETAIL: TD0004

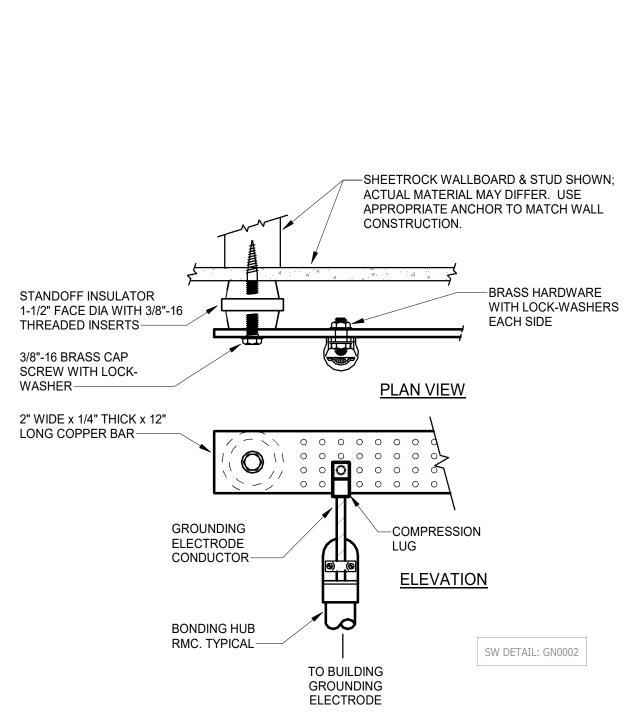
R1

OWNER PROVIDED DEVICE. CABLE

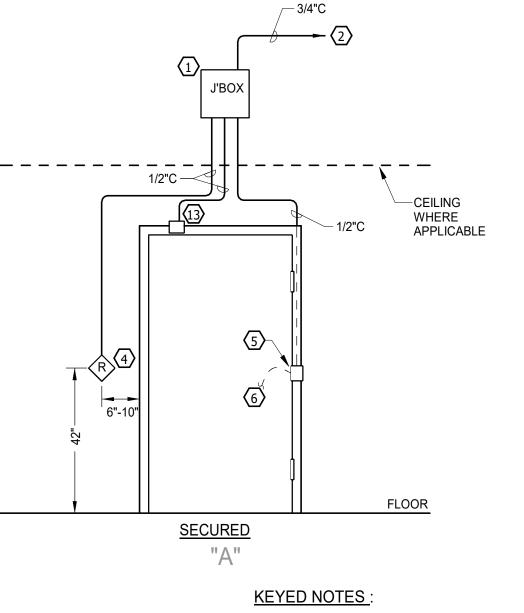
TELECOMMUNICATIONS OUTLET SCHEDULE **FUNCTION** (1) CAT. 6 $\left\langle 1\right\rangle$ DATA (2) CAT. 6 (2)DATA/VOICE (1) CAT. 6 (3)

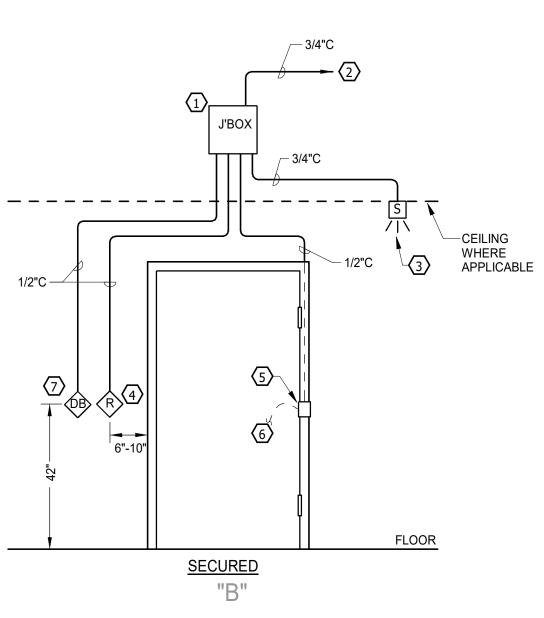
SW DETAIL: TD0006

2 TYPICAL TELECOM OUTLETS SCHEDULE
E521 SCALE: NTS

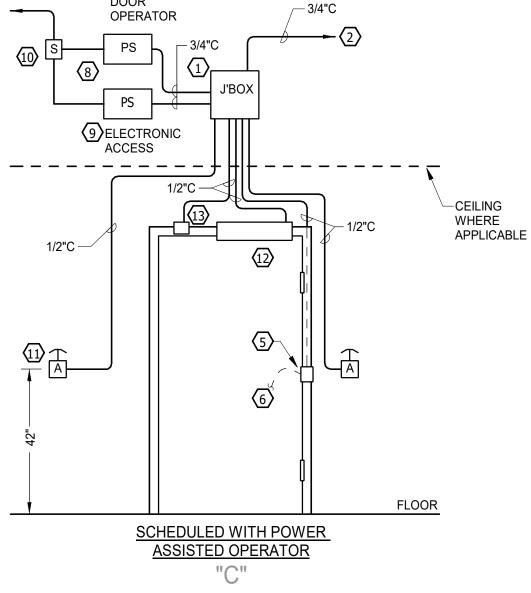


5 **GROUNDING BUS DETAIL** E521 SCALE: NTS





DOOR CONTROL DETAIL



- 1 J'BOX FOR ALL LOW VOLTAGE WIRING.
- RACEWAY TO ELECTRONIC ACCESS DOOR CONTROL UNIT.
- SPEAKER BY ARCHITECT IN CEILING FOR DOORBELL NOTIFICATION. COORDINATE EXACT LOCATION AND CONDUIT ROUTE WITH ARCHITECT.
- (4) CARD READER BY ARCHITECT. 5 ELECTRIC TRANSFER HINGE.
- TO HARDWARE SET ON DOOR, PUSH BAR OR MORTICE/LEVER. SET INCLUDES REQUEST FOR EXIT AT EGRESS DOORS.
- DOOR BELL BY ARCHITECT.
- POWER SUPPLY FOR DOOR OPERATOR. MAY ALSO BE LOCATED IN DOOR OPERATOR
- 9 POWER SUPPLY FOR ELECTRONIC ACCESS DEVICES. MAY ALSO BE LOCATED AT
- PROVIDE SINGLE POLE DISCONNECT SWITCH FOR 120 VAC SUPPLY. SEE FLOOR PLAN FOR INDICATED CIRCUIT.
- 11 DOOR ACTUATOR.
- (12) ELECTRIC DOOR OPERATOR.
- DOOR POSITION SWITCH FLUSH IN DOOR FRAME.

1. ALL RACEWAYS AND BOXES PROVIDED BY ELECTRICAL CONTRACTOR. VERIFY REQUIREMENTS WITH HARDWARE AND ACCESS CONTROL EQUIPMENT.

GENERAL NOTES

- 2. ALL RACEWAYS SHALL BE CONCEALED ABOVE CEILINGS OR WITHIN WALLS. EXPOSED RACEWAYS SHALL BE PERMITTED IN AREAS WITH EXPOSED OVERHEAD CONSTRUCTION.
- 3. ALL NEW DEVICES SHALL BE COMPATIBLE WITH EXISTING ACCESS CONTROL SYSTEM.

		DOOR	CONTROL EQUIP	WENT WATRIX		
Door ID	Detail Elevation	Door Contacts	Card Reader	Door Operator	Actuator	Comments
259	A	Yes	Yes	No	No	
258	В	Yes	Yes	No	No	
320B	В	Yes	Yes	No	No	
322	A	Yes	Yes	No	No	
101B	С	No	No	Yes	Yes	
110D	С	Yes	No	Yes	Yes	
347	A	Yes	Yes	No	No	
110C	A	Yes	No	No	No	
258E	A	Yes	Yes	No	No	

SW DETAIL: GE0012 R2

TELECOM AND

SECURITY

SYSTEM

JOB NUMBER

DATE ISSUED

07/03/25 PROJECT STATUS **ISSUED FOR BID**

22-028

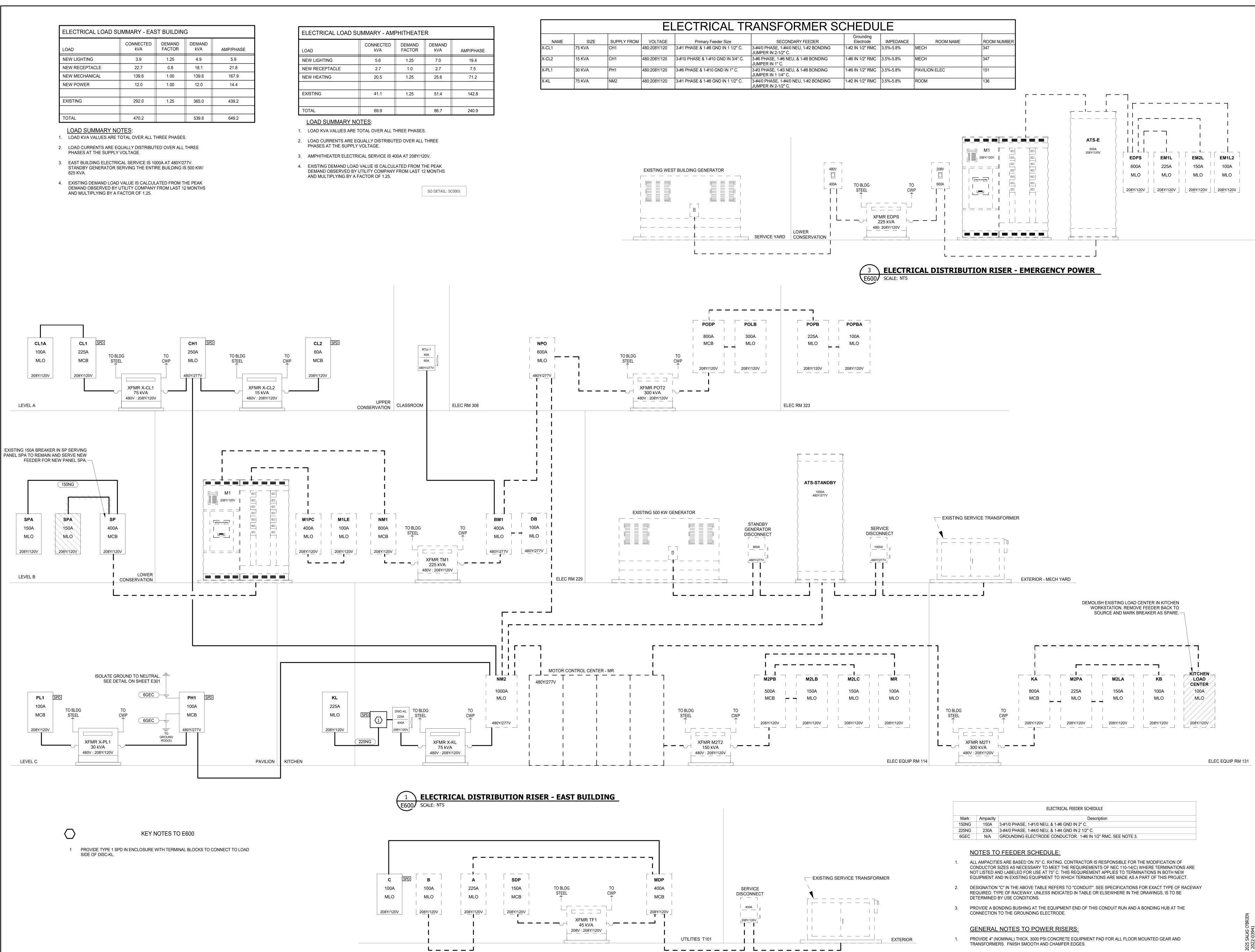
ARCHITECTURE 1100 Dresser Court

Office 919.828.2301 Email office@hh-arch.com Salas O'Brien

Raleigh, NC 27609

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2 ELECTRICAL DISTRIBUTION RISER - AMPHITHEATER

E600 SCALE: NTS

ARCHITECTURE 1100 Dresser Court

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039503

REVISION

JOB NUMBER 22-028 DATE ISSUED 07/03/25 PROJECT STATUS

ISSUED FOR BID

ELECTRICAL DISTRIBUTION SYSTEM

COORDINATE LOCAITIONS FOR ALL DRY TYPE TRANSFORMERS TO PROVIDE NEC MANDATED WORKING

PROMOTE AIR CIRCULATION (6" MIN.)

CLEARANCES AND PROVIDE CLEARANCES FROM WALLS AS RECOMMENDED BY PRODUCT MANUFACTURER TO