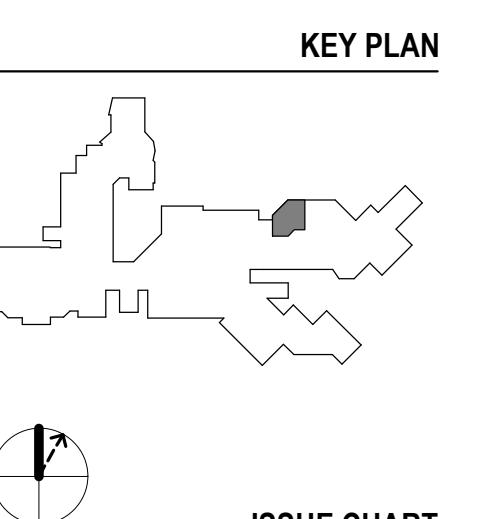
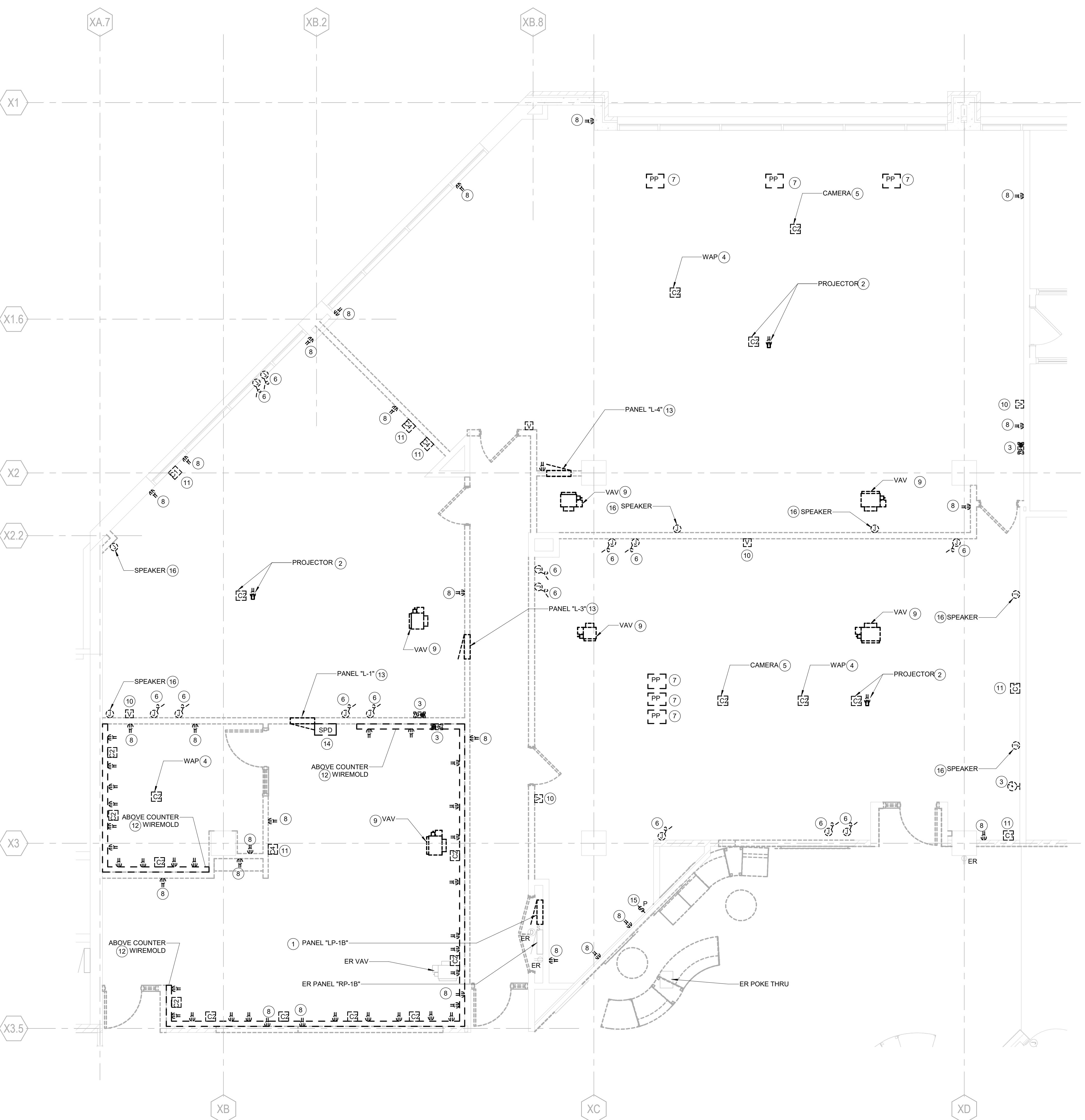


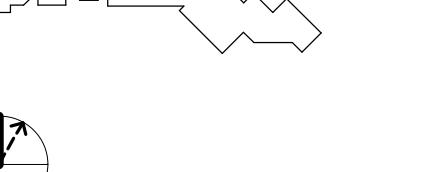
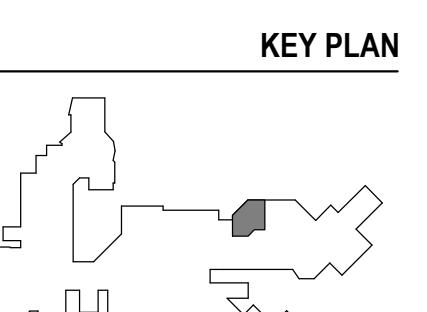
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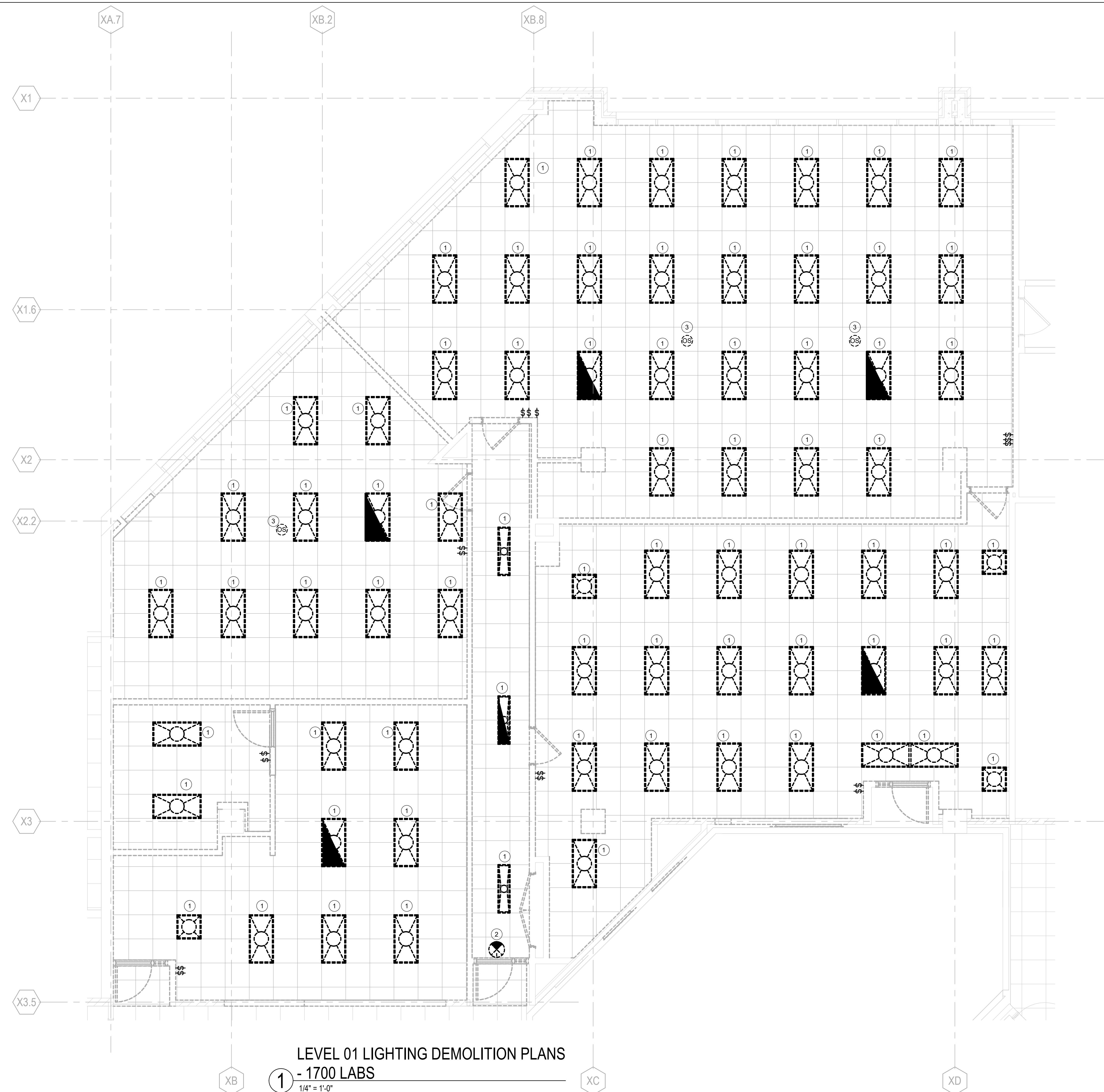
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ISSUE CHART



ELECTRICAL DEMOLITION NOTES

1. DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. DISCONNECT AND REMOVE EXISTING CONTROLS ASSOCIATED WITH FIXTURE. DISCONNECT AND REMOVE EXISTING NORMAL POWER AND EMERGENCY POWER CONDUIT AND WIRES BACK TO POINT AT ENTRANCE OF SPACE FOR RECONNECTION TO NEW LIGHT FIXTURES. DISPOSE OF FIXTURES AND CONTROLS PER EPA REQUIREMENTS.
2. DISCONNECT AND REMOVE EXISTING EXIT SIGN. DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRES BACK TO POINT FOR RECONNECTION TO NEW EXIT SIGNS. DISPOSE PER EPA REQUIREMENTS.
3. EC SHALL INVESTIGATE AND REMOVE EXISTING CEILING MOUNTED SENSOR COMPLETE. DISCONNECT AND REMOVE EXISTING CABLING AND CONDUIT COMPLETE BACK TO SOURCE.

CARD DIRECTORY NOTE:

TYPICAL FOR PANELS AFFECTED BY DEMOLITION/NEW WORK. MODIFY PANEL CARD DIRECTORIES TO REFLECT MODIFICATIONS MADE TO PANEL. TRACE OUT ALL EXISTING TO REMAIN CIRCUITS. LABEL BREAKERS NO LONGER SERVING LOADS AS "SPARE". PROVIDE A NEW TYPED CARD DIRECTORY. DO NOT HAND WRITE DIRECTORIES OR MODIFY EXISTING ONES. (TYPICAL FOR ALL PANELS AFFECTED BY DEMOLITION/NEW WORK)

GENERAL CEILING DEVICE DEMOLITION NOTE:

EC SHALL FURNISH AND INSTALL PERMANENT SUPPORTS FOR ANY UNSUPPORTED CONDUIT, BOX, OR CABLES FOUND ABOVE THE CEILING DURING ABOVE CEILING WORK AND/OR AREAS WITH CEILINGS BEING REMOVED BY THE ARCHITECT. EXISTING FREE AIR WIRES SERVING LIGHT FIXTURES FOUND ABOVE CEILING CONDUIT SHALL BE INSTALLED IN 3/4" CONDUIT MINIMUM UNLESS NOTED OTHERWISE. COORDINATE REQUIREMENTS WITH OWNER.

GENERAL LIGHTING DEMOLITION NOTE:

EXIT SIGNS WITHIN AREAS OF SCOPE TO BE DISCONNECTED AND REMOVED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT/RACEWAYS AND WIRING BACK TO NEAREST UNAFFECTED JUNCTION BOX. BYPASS WIRING AS REQUIRED TO KEEP EXISTING TO REMAIN DEVICES ENERGIZED. EXISTING CONDUIT/RACEWAYS AND WIRING MAY REMAIN AND BE REUSED IF NEW FIXTURES ARE TO BE INSTALLED AT EXISTING LOCATIONS. MODIFY CONDUIT/RACEWAYS AND WIRING AS REQUIRED TO ACCOMMODATE NEW EXIT SIGNS. ANY CIRCUITS NO LONGER REQUIRED SHALL BE TAKEN BACK TO SOURCE PANELBOARD AND CIRCUIT LABELED AS "SPARE". DISPOSE OF EXIT SIGNS AND BATTERIES PER EPA REQUIREMENTS. HAUL DEVICES TO EPA APPROVED DISPOSAL SITE. PROVIDE PROPER PAPERWORK TO THE ARCHITECT SHOWING LEGAL DISPOSAL FOR DEVICES. DISPOSE OF FIXTURE HOUSINGS AS REQUIRED.

INSTALL BLANK FINISHED COVERPLATES OVER ALL FLUSH MOUNTED WALL OPENINGS WHERE DEVICES HAVE BEEN REMOVED AND LOCATIONS WILL NOT BE REUSED. WHERE SURFACE MOUNTED BOXES AND RACEWAYS WILL NO LONGER BE USED AND CONSIDERED ABANDONED, THEY WILL BE REMOVED COMPLETELY AND WALL PATCHED AND PAINTED TO MATCH SURROUNDING AREA. ANY CEILING TILES LEFT WITH HOLES IN THEM FROM REMOVAL OF DEVICES SHALL BE REPLACED WITH NEW MATCHING CEILING TILES. ALL HOLES IN WALLS, CEILINGS, AND FLOORS SHALL BE PATCHED AND PAINTED TO MATCH AREA.

IT IS THE INTENT OF THESE DEMOLITION DRAWINGS TO IDENTIFY ALL EXIT SIGNS WITHIN AREAS OF SCOPE AND ARE TO BE REPLACED COMPLETELY. ALL DEVICES MAY NOT BE SHOWN AND IT WILL BE THE CONTRACTOR'S RESPONSIBILITY FOR REMOVAL OF ALL OF FIXTURES AS NEEDED TO ACCOMMODATE THE NEW FIXTURES BEING INSTALLED.

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Job Number

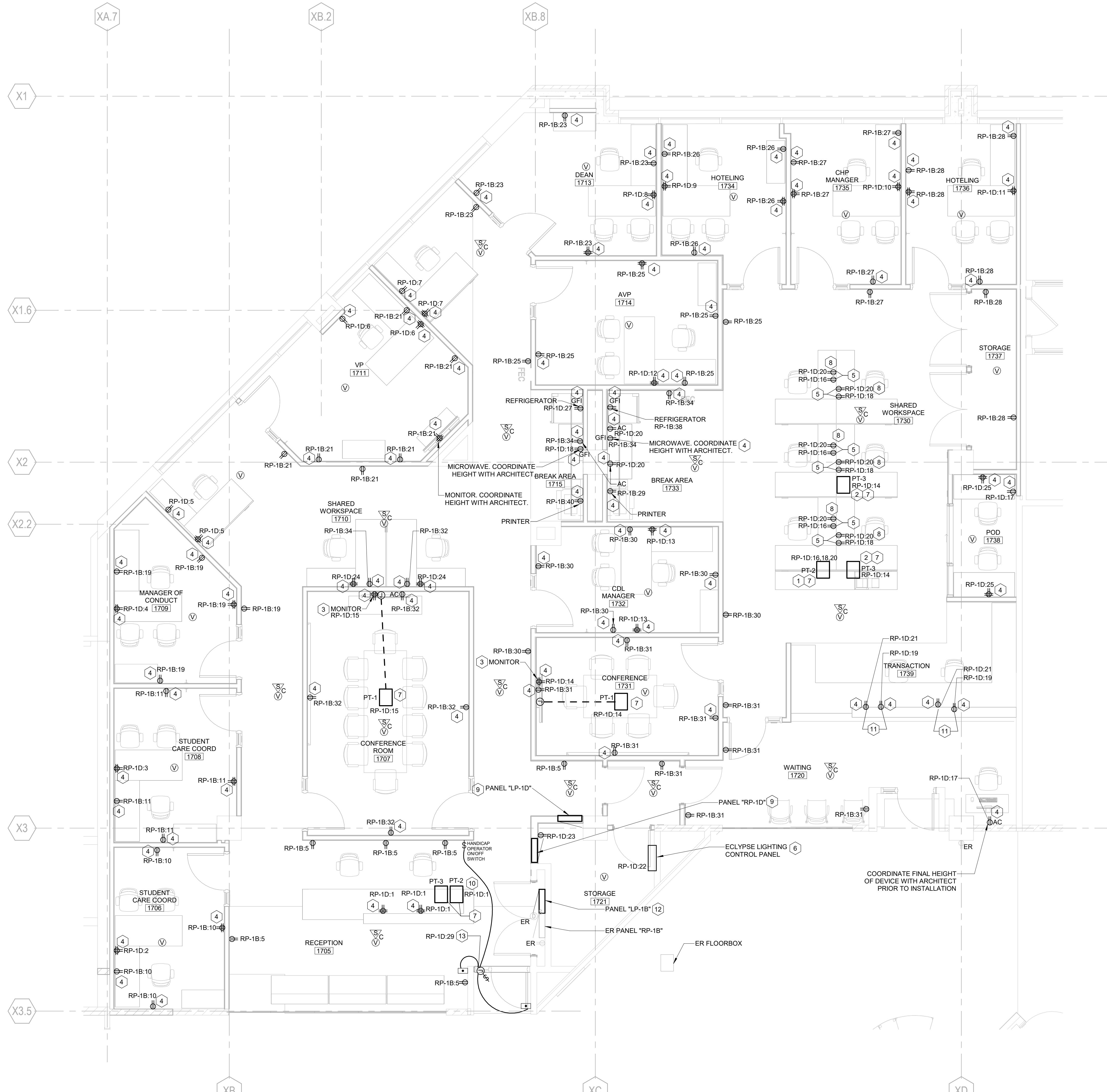
021075.002

TITLE

LIGHTING DEMOLITION PLANS - PHASE 2

SHEET NUMBER

11.E05-01



ELECTRICAL NEW WORK PLAN -
OSA/WORKFORCE TRAINING

1

1/4" = 1'-0"

ELECTRICAL PLAN NOTES

- FURNISH AND INSTALL NEW FLEXIBLE LIQUIDTIGHT CONDUIT AND WIRES FROM POKE THRU FOR MODULAR FURNITURE. LOCATE SO AS NOT TO BE BURIED BY FURNITURE. PROVIDE CONNECTION TO MODULAR FURNITURE TERMINAL BLOCKS. "THREE-CIRCUIT, SEPARATE NEUTRALS" WIRING DIAGRAM FROM MANUFACTURER SHALL BE THE BASIS OF DESIGN. UNDER NO CIRCUMSTANCES ARE SHARED NEUTRALS BETWEEN CIRCUITS ALLOWED. CONDUIT SHALL BE A MINIMUM SIZE 3/4". VERIFY POINTS OF CONNECTION, COMPATIBLE CONDUIT SIZE, QUANTITIES REQUIRED, AND FINAL WIRING SCHEMATIC WITH MANUFACTURER PRIOR TO SHOP DRAWING PHASE. PROVIDE MULTIPLE FEEDS AS REQUIRED. PROVIDE ALL REQUIRED HARDWARE. COORDINATE ALL WORK REQUIRED WITH FURNITURE MANUFACTURER.
- FURNISH AND INSTALL JUNCTION BOX AND FLEXIBLE LIQUIDTIGHT CONDUIT TO ROUTE DATA CABLE AT POWERED DESK LOCATIONS. LOCATE SO AS NOT TO BE BURIED BY FURNITURE WALLS. IF DATA JACKS CAN BE MOUNTED TO FURNITURE, FURNISH AND INSTALL HUBBELL MOUNTING FRAME WITH FACEPLATE AND WITH (2) CAT-6A DATA JACKS INSTALLED. PROVIDE HUBBELL #ISB4 SERIES SURFACE MOUNTED BACK BOX IF MOUNTING FRAME WILL NOT FIT FLUSHED MOUNTED ONTO FURNITURE WALL. INSTALL MOUNTING FRAME IN MOUNTING BRACKET IN FURNITURE. ROUTE CABLING INSIDE OF FURNITURE WALL. CONTRACTOR SHALL COORDINATE ALL CONNECTIONS AND MOUNTINGS REQUIRED WITH THE OWNER/ARCHITECT AND FINAL FURNITURE SELECTIONS/MANUFACTURER. INCLUDE ADDITIONAL CABLE LENGTH COILED ABOVE CEILING OF 10' EACH FOR FUTURE RELOCATION. CONDUIT SHALL BE A MINIMUM SIZE 1". COORDINATE CONDUIT QUANTITIES REQUIRED, COMPATIBLE CONDUIT SIZES, AND REQUIREMENTS WITH MANUFACTURER AND CABLE MANUFACTURER CONDUIT FILL REQUIREMENTS PRIOR TO SHOP DRAWING PHASE. REFER TO LOW VOLTAGE DETAILS.
- FURNISH AND INSTALL DUPLEX RECEPTACLE IN LEGRAND EVOLUTION EFSB4 IN-WALL BOX BEHIND MONITOR. CONNECT TO FLOORBOX FOR ACCESSING POWER CIRCUIT, DATA, AND AV CONDUIT SYSTEM AND ASSOCIATED DEVICES. COORDINATE WALL BOX LOCATION WITH OWNER PROVIDED DISPLAY AND MOUNT INSTALLATION LOCATION. COORDINATE ALL REQUIREMENTS WITH OWNER/IT DEPARTMENT. VERIFY RECEPTACLE/DATA/AV MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN. REFER TO LOW VOLTAGE DRAWINGS AND DETAILS FOR FURTHER REQUIREMENTS.
- FURNISH AND INSTALL SPLIT CONTROLLED RECEPTACLE (DUPLEX OR QUAD AS SHOWN) WITH NEW BRANCH CIRCUIT AS SHOWN. CLEARLY MARK CONTROLLED PORTION OF RECEPTACLE PER IEC 2021. PROVIDE FULLY CONTROLLED RECEPTACLES FOR USB AND GFCI TYPE RECEPTACLES. REFER TO DETAIL ON SHEET E04.01 FOR ADDITIONAL INFORMATION.
- EACH WORKSTATION SHALL HAVE (2) DUPLEX RECEPTACLES PRE-INSTALLED. (1) DUPLEX RECEPTACLE PER WORKSTATION SHALL BE A PERMANENTLY MARKED CONTROLLED RECEPTACLE CONTROLLED VIA LOCAL LIGHTING CONTROL. COORDINATE FINAL RECEPTACLE COUNT WITH FURNITURE MANUFACTURER PRIOR TO START OF WORK.
- COORDINATE FINAL LOCATION OF NIGHT ECLYPSE CONTROLLER IN FIELD PRIOR TO INSTALLATION.
- FURNISH AND INSTALL LEGRAND EVOLUTION SERIES POKE THRU DEVICE WITH MOUNTING BRACKET AND DECORA STYLE PLATES FOR EACH COMPONENT (DATA, POWER, HDBASET, AND BLANK). VERIFY POKE THRU LOCATION, SHAPE, AND FINISH WITH ARCHITECT AND OWNER PRIOR TO PURCHASE. COORDINATE WITH TECHNOLOGY CONTRACTOR AS REQUIRED FOR BOX CONDUIT AND INSTALLATION. COORDINATE ALL REQUIREMENTS INCLUDING DEVICES AND MOUNTING PLATES WITH OWNER AND TECHNOLOGY CONTRACTOR PRIOR TO ORDERING. POKE THRU TO INCLUDE A MINIMUM OF (2) DUPLEX RECEPTACLES, (2) DATA JACKS, AND CABLES UNLESS NOTED OTHERWISE. REFER TO POKE THRU SCHEDULE FOR MAKE AND MODEL NUMBER. RADAR SCAN FLOOR FOR CONTENTS AND UPON DETERMINING THAT AREA IS CLEAR OF PIPING, CORE AND REMOVE FLOOR AS REQUIRED FOR NEW POKE THRU AND RACEWAY SYSTEM. PROVIDE PROTECTION TO AREAS BELOW WHEN CORING AND INSTALLING DEVICE. PROVIDE PROTECTION TO EQUIPMENT, FURNITURE, ETC. FOR AREAS BELOW, CONNECT TO AREA CIRCUIT OF SUFFICIENT SIZE OR AS SHOWN. TRANSITION TO METALLIC RACEWAY UP INSIDE WALL. SET POKE THRU LEVEL AND FLUSH WITH FINAL FINISHED FLOOR MATERIAL MOUNTING HEIGHT. COORDINATE FLOOR MATERIAL TYPE AND THICKNESS WITH ARCHITECT PRIOR TO ORDERING. PATCH AND REPAIR FLOOR AS REQUIRED. REMOVE ALL SPOILS AND DEBRIS FROM SITE. REFER TO LOW VOLTAGE DETAILS FOR FURTHER REQUIREMENTS. POKE THRU SHALL INCLUDE (1) CONTROLLED DUPLEX RECEPTACLE CONTROLLED VIA LOCAL LIGHTING CONTROLS. RECEPTACLES SHALL HAVE PERMANENT MARKING INDICATING CONTROLLED STATUS PER IEC 2021 REQUIREMENTS.
- WORKSTATION RECEPTACLE SHALL BE CONTROLLED VIA LOCAL LIGHTING CONTROLS. REFER TO SHEET E04.01 FOR ADDITIONAL INFORMATION.
- FURNISH AND INSTALL NEW PANELBOARD AS SHOWN. REFER TO RISER DIAGRAM FOR COMPLETE ELECTRICAL INFORMATION. RECONNECT EXISTING TO REMAIN BRANCH CIRCUITS TO AVAILABLE SPARE THAT CORRESPONDS WITH EXISTING BRANCH CIRCUIT BREAKER RATING. VERIFY EXISTING CIRCUIT BREAKER RATINGS IN FIELD.
- ROUTE AND CONCEAL RACEWAYS AND CABLING WITHIN COUNTER WALL CHASE AND DESK SYSTEM. COORDINATE ROUGH-IN IN FIELD WITH ENGINEER AND ARCHITECT. INCLUDE LIQUIDTIGHT FLEXIBLE METAL CONDUIT AND INCLUDE ALL NORMAL 120V POWER RECEPTACLES AS SHOWN. INCLUDE LOW VOLTAGE RACEWAYS FOR DATA. ALL RACEWAYS TO BE SIZED TO ACCOMMODATE ALL CABLING SPECIFIED. ALL LOW VOLTAGE RACEWAY STUBS BELOW FLOOR TO BE PROVIDED WITH END BUSHINGS FOR PROTECTION OF CABLING SYSTEMS. LABEL ALL RACEWAYS AND INCLUDE PULLSTRINGS FOR LOW VOLTAGE CONTRACTOR.
- RECEPTACLE SHALL BE RECESSED INTO MILLWORK. ROUTE RACEWAY CONCEALED THROUGH CHASE. COORDINATE FINAL MOUNTING HEIGHT AND CLEARANCES REQUIRED FOR RACEWAY WITH ARCHITECT PRIOR TO START OF WORK.
- FURNISH AND INSTALL NEW SURFACE MOUNTED PANELBOARD WITH ASSOCIATED BACKBOX/TUB AT EXISTING LOCATION. CUT BACK EXISTING FEEDER AND BRANCH CIRCUIT RACEWAYS AND WIRING AS REQUIRED FOR ACCOMODATING NEW PANEL. DO NOT DAMAGE EXISTING RACEWAY AND WIRING. RECONNECT EXISTING FEEDER TO NEW PANEL. RECONNECT ACTIVE BRANCH CIRCUITS TO NEW PANELBOARD. EXTEND EXISTING CONDUIT AND WIRING AS REQUIRED. NEW PANEL SHALL BE RATED TO MATCH EXISTING (VOLTAGE, PHASE, AND KVA/CIRCUIT RATING). PROVIDE PANEL WITH NEW BREAKERS TO MATCH EXISTING ACTIVE BREAKER SIZES IN PANEL PREVIOUSLY REMOVED. PLEASE NOTE EXISTING BRANCH CIRCUIT WIRE SIZES PRIOR TO ORDERING NEW BREAKERS. WHEN EXTENDING EXISTING BRANCH WIRING, NEW WIRING SHALL MATCH TYPE/SIZE CURRENTLY BEING USED. IF EXISTING WIRE SIZE DOES NOT MATCH EXISTING BREAKER SIZE, UTILIZE BREAKER SIZE THAT MATCHES WIRE RATING. WHEN EXTENDING EXISTING BRANCH WIRING, UTILIZE THHN/THHNW COPPER WIRING. INSTALL UL LISTED 600V ELECTRICAL HEAT SHRINKING ON ALL WIRES THAT MAY BE DETERIORATED. INSTALL NEW CARD DIRECTORY AND LABEL BASED ON FINDINGS DURING DEMOLITION WORK AND NEW WORK BEING PERFORMED. TRACE OUT ALL CIRCUITS AS REQUIRED AND LABEL WITH DEVICE SERVING AND RESPECTIVE ROOM NAME AND NUMBER.
- FURNISH AND INSTALL NEW POWER FOR NEW ADA ACCESSIBLE DOOR HARDWARE. FURNISH AND INSTALL NEW BRANCH CIRCUIT FROM NOTED PANELBOARD. INCLUDE BOXES AND RACEWAYS FOR HANDICAP BUTTONS AND CONNECTION TO OPERATE UNIT. FURNISH AND INSTALL NEW CONDUIT AND WIRES AS REQUIRED PER DOOR MANUFACTURER FOR A COMPLETE INSTALLATION. COORDINATE THE DOOR HARDWARE WITH THE ARCHITECT. COORDINATE BUTTON LOCATIONS AND TYPE WITH ARCHITECT PRIOR TO INSTALLATION.

GENERAL ELECTRICAL NOTES:

- COORDINATE MOUNTING HEIGHT AND LOCATIONS OF RECEPTACLES WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- COORDINATE ALL POKE-THRU TECHNOLOGY REQUIREMENTS WITH OWNER AND ARCHITECT PRIOR TO PURCHASING.

CITY OF DES PLAINES FURNITURE NOTES:

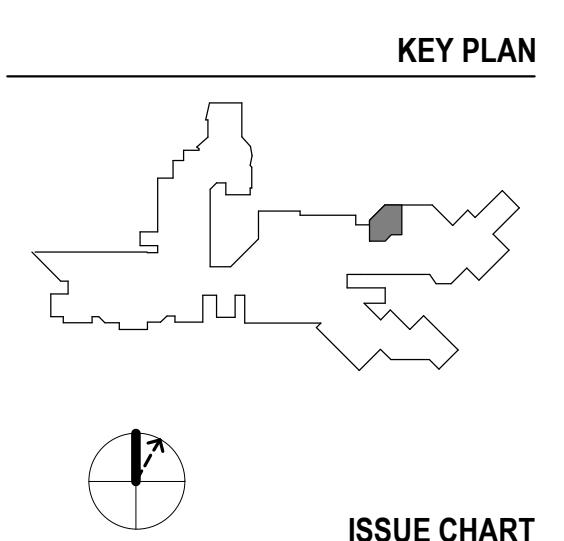
- THE ELECTRICAL CONNECTION BETWEEN OFFICE FURNISHINGS SHALL BE A FLEXIBLE ASSEMBLY IDENTIFIED FOR USE WITH OFFICE FURNISHINGS OR SHALL BE PERMITTED TO BE INSTALLED USING FLEXIBLE CORD, PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:
 - THE CORD IS EXTRA-HARD USAGE TYPE WITH 12 AWG OR LARGER CONDUCTORS, WITH AN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
 - THE OFFICE FURNISHINGS ARE MECHANICALLY CONTIGUOUS
 - THE CORD IS NO LONGER THAN NECESSARY FOR MAXIMUM POSITIONING OF THE OFFICE FURNISHING, BUT IS IN NO CASE TO EXCEED TWO FEET (2')
 - THE CORD IS TERMINATED AT AN ATTACHMENT PLUG-AND-CORD CONNECTOR WITH STRAIN RELIEF.
 - AN INDIVIDUAL OFFICE FURNISHING OR GROUPS OF INTERCONNECTED OFFICE FURNISHINGS SHALL NOT CONTAIN MULTIWIRE CIRCUITS.

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PROJECT
ADJACENCIES
RENOVATIONS - PHASE
2A - OSA AND
WORKFORCE TRAINING

DES PLAINES CAMPUS
1600 EAST GOLF ROAD
DES PLAINES, IL, 60016

Oakton
College
OAKTON COLLEGE



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Job Number 021075.002

TITLE

ELECTRICAL NEW
WORK PLAN - PHASE 2 -
OSA/WORKFORCE
TRAINING
SHEET NUMBER

11.E10-01

PROJECT

ADJACENCIES RENOVATIONS - PHASE 2A - OSA AND WORKFORCE TRAINING

ES PLAINES CAMPUS
00 EAST GOLF ROAD
ES PLAINES, IL, 60016

DES PLAINES CAMPUS
1600 EAST GOLF ROAD
DES PLAINES, IL, 60016



OAKTON COLLEGE

KEY PLAN

| | | |
|-------------------|-------------------------|-------------------|
| 1 MARK | ISSUED FOR BID ISSUE | 15 DEC 25 DATE |
| Job Number | | 021075.002 |
| TITLE | | |

TITLE

11 E10-02

125 Perkins and Will

This architectural diagram illustrates the layout of a basement power plan. The plan features a grid of vertical and horizontal lines representing walls and ceiling joists. Key components include:

- Conduit Routing:** A large curved conduit is shown in the upper left, with several smaller conduits branching off towards the center and right.
- Pull Boxes:** Several pull boxes are indicated with labels: X1, X1.6, X2, X2.2, X3, X4, XA.7, XB.2, XB.8, XE, and XD.
- Equipment:** Two electrical rooms are labeled: ER "MDP-A" and ER "MDP-1".
- Access Points:** Labels like "OPEN" and "LAY-IN" are placed along the conduit paths to indicate where access is required.
- Notes and Labels:**
 - A note on the left side of the diagram states: "REFER TO ENLARGED PLAN ON THIS SHEET FOR EXISTING EQUIPMENT LAYOUT."
 - Annotations on the right side provide specific instructions:
 - "TO 'RP-1D'. COORDINATE FINAL CORING LOCATIONS IN FIELD PRIOR TO START OF WORK. MODIFY ROUTING IN FIELD AS REQUIRED."
 - "TO 'LP-1D'. COORDINATE FINAL CORING LOCATIONS IN FIELD PRIOR TO START OF WORK. MODIFY ROUTING IN FIELD AS REQUIRED."
 - "FURNISH AND INSTALL NEW FEEDER. REFER TO RISER DIAGRAM FOR COMPLETE ELECTRICAL DETAILS. FURNISH AND INSTALL INTERMEDIATE PULLBOXES AS REQUIRED. COORDINATE FINAL ROUTE IN FIELD. FURNISH AND INSTALL ADDITIONAL CONDUIT AND WIRE AS REQUIRED. PATCH AND REPAIR EXISTING CEILINGS AS REQUIRED FOR ROUTING OF NEW CONDUIT."
 - A "GENERAL ELECTRICAL NOTE" box at the bottom right states: "RADAR SCAN ALL FLOORS PRIOR TO CORING. PROTECT ALL AREAS FROM CORING DAMAGE. COVER AND PROTECT FLOORS, FURNITURE, ELECTRONICS FROM DAMAGE. FIREPROOF ALL WALL AND FLOOR PENETRATIONS AFTER INSTALLATION."

1 LEVEL 00 - BASEMENT POWER PLAN

1 1/8"

CEILING TYPE REFERENCE:
GYP = GYP BOARD
LAY-IN = ACOUSTICAL LAY-IN TILE
OPEN = OPEN TO STRUCTURE

CEILING
GYP = G
LAY-IN =
OPEN =
SPL = S

ER "HVP-A"

ER "EM1"

ER "EMA"

ER "LRP-1B"

ER "LP-B1"

ER "9KVA XFMR"

ER "HVP-B"

ER "LRP-PB2"

ER "MDP-A"

ER "MDP-1"

ER "MDP-1" PULLBOX

C

X3.5

X4

24

EA

REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION.

REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION.

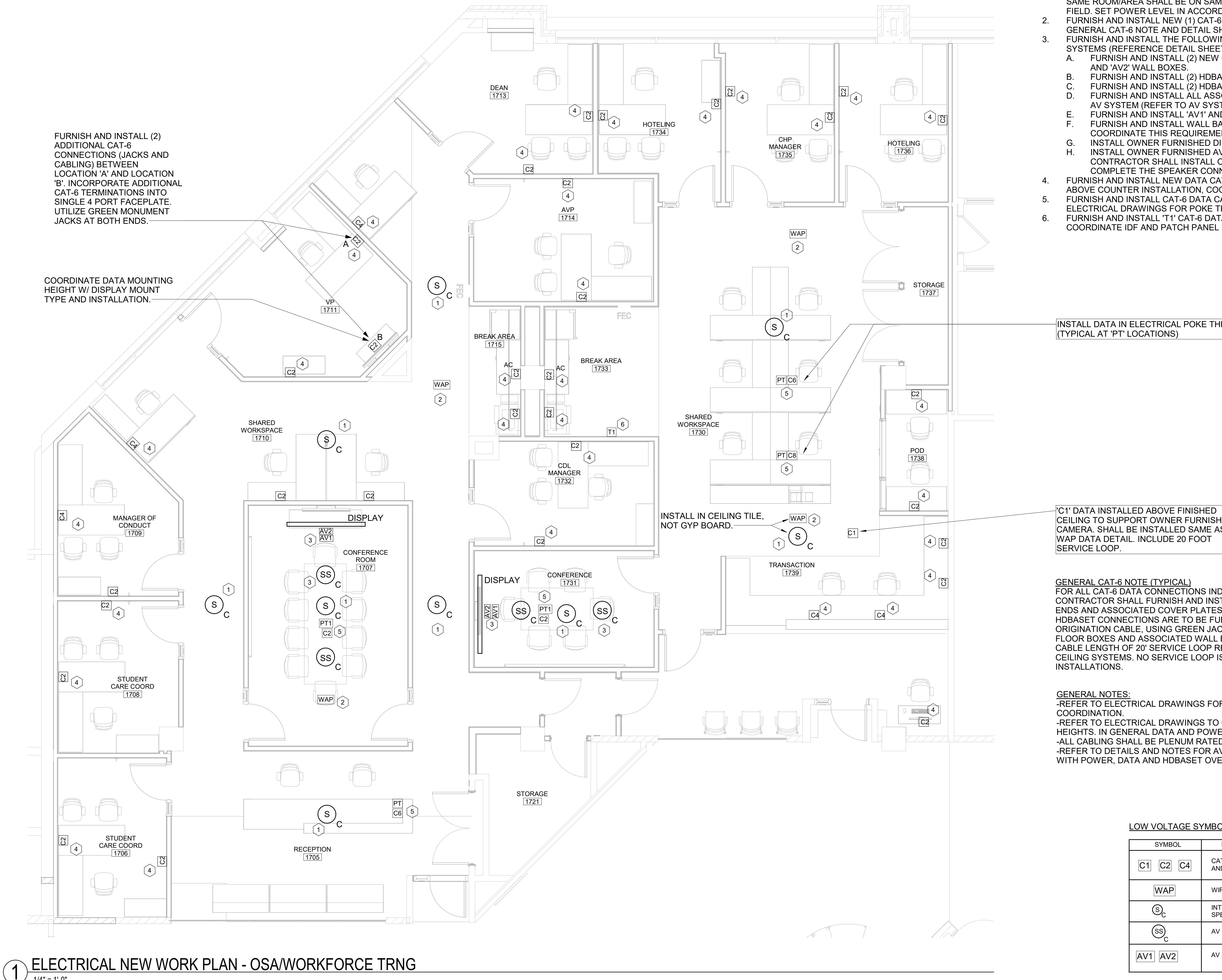
REFER TO RISER DIAGRAM FOR ADDITIONAL INFORMATION.

LEVEL 00 - ELECTRICAL CLOSET 0703
POWER PLAN

LEVEL 00 - ELECTRICAL CLOSET 0703

POWER PLAN

(2) ~~LOW~~
1/4" - 1"



LOW VOLTAGE PLAN NOTES

1. FURNISH AND INSTALL NEW INTERCOM SYSTEM SPEAKER AND CONNECT TO EXISTING INTERCOM SYSTEM, SPEAKERS IN SAME ROOM/AREA SHALL BE ON SAME DEDICATED CIRCUIT. COORDINATE CIRCUITING REQUIREMENT WITH OWNER IN FIELD. SET POWER LEVEL IN ACCORDANCE WITH OWNER'S EXISTING SETTINGS FOR ROOMS OF SIMILAR SIZE AND TYPE.
2. FURNISH AND INSTALL NEW (1) CAT-6 DATA FOR OWNER FURNISHED AND INSTALLED WIRELESS ACCESS POINT. REFER TO GENERAL CAT-6 NOTE AND DETAIL SHEETS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
3. FURNISH AND INSTALL THE FOLLOWING EQUIPMENT AND INFRASTRUCTURE FOR CONFERENCE ROOM AUDIO VISUAL SYSTEMS (REFER TO DETAIL SHEET E71-03 FOR ADDITIONAL DETAILS).
 - A. FURNISH AND INSTALL (2) NEW CAT-6 DATA CONNECTIONS IN 'PT-1' AND (2) NEW CAT-6 DATA CONNECTIONS IN 'AV1' AND 'AV2' WALL BOXES.
 - B. FURNISH AND INSTALL (2) HDBASET CONNECTIONS BETWEEN 'PT-1' AND 'AV2' WITH GREEN JACKS.
 - C. FURNISH AND INSTALL (2) HDBASET CONNECTIONS BETWEEN 'AV1' AND 'AV2' WITH GREEN JACKS.
 - D. FURNISH AND INSTALL ALL ASSOCIATED BACK BOXES, WALL BOXES AND CONDUIT IN NEW WALL TO SUPPORT OWNER AV SYSTEM (REFER TO AV SYSTEM DETAIL SHEET).
 - E. FURNISH AND INSTALL 'AV1' AND 'AV2' WALL BOXES AT LOCATION SPECIFIED ON DRAWINGS.
 - F. FURNISH AND INSTALL WALL BACKING TO SUPPORT OWNER FURNISHED, CONTRACTOR INSTALLED DISPLAY MOUNT. COORDINATE THIS REQUIREMENT WITH ARCHITECTURAL DRAWINGS.
 - G. INSTALL OWNER FURNISHED DISPLAYS (1) AND ASSOCIATED WALL MOUNT (1).
 - H. INSTALL OWNER FURNISHED AV SYSTEM SPEAKERS, TWO CEILING MOUNTED SPEAKERS IN CONFERENCE ROOMS. CONTRACTOR SHALL INSTALL OWNER FURNISHED CONTROL WIRING OR DATA CONNECTION AS NEEDED TO COMPLETE THE SPEAKER CONNECTION.
4. FURNISH AND INSTALL NEW DATA CAT-6 (QUANTITY AS SPECIFIED), REFER TO GENERAL CAT-6 NOTE. 'AC' REFERS TO ABOVE COUNTER INSTALLATION, COORDINATE WITH FURNITURE CONTRACTOR AND ARCHITECTURAL DRAWINGS.
5. FURNISH AND INSTALL CAT-6 DATA CABLES (QUANTITY AS SPECIFIED) IN NEW POKE THRU OR FLOOR BOX. REFER TO ELECTRICAL DRAWINGS FOR POKE THRU SCHEDULE AND ADDITIONAL INFORMATION. REFER TO GENERAL CAT-6 NOTE.
6. FURNISH AND INSTALL 'T1' CAT-6 DATA JACK WITH PHONE STYLE COVERPLATE FOR OWNER FURNISHED VOIP PHONE. COORDINATE IDF AND PATCH PANEL LOCATION WITH OWNER'S IT STAFF.

INSTALL DATA IN ELECTRICAL POKE THRU
(TYPICAL AT 'PT' LOCATIONS)

'C1' DATA INSTALLED ABOVE FINISHED
CEILING TO SUPPORT OWNER FURNISHED
CAMERA. SHALL BE INSTALLED SAME AS
WAP DATA DETAIL. INCLUDE 20 FOOT
SERVICE LOOP.

GENERAL CAT-6 NOTE (TYPICAL)
FOR ALL CAT-6 DATA CONNECTIONS INDICATED ON DRAWINGS AND REFERENCED IN PLAN NOTES, CONTRACTOR SHALL FURNISH AND INSTALL ORIGINATING CABLE, JACKS AND TERMINATION AT BOTH ENDS AND ASSOCIATED COVER PLATED PATCH CABLE TO BE FURNISHED AND INSTALL BY OWNER. HDBASET CONNECTIONS ARE TO BE FURNISHED AND INSTALL BY CONTRACTOR UTILIZING SAME CAT-6 ORIGINATING CABLE, USING GREEN JACKS. HDBASET CONNECTIONS ARE BETWEEN POKE THROUGH, FLOOR BOXES AND ASSOCIATED WALL BOXES AND DO NOT GO BACK TO IDF CLOSETS. ADDITIONAL CABLE LENGTH OF 20' SERVICE LOOP REQUIRED FOR DATA JACK CONNECTIONS MOUNTED ABOVE CEILING SYSTEMS. NO SERVICE LOOP IS REQUIRED FOR WALL OR FLOOR MOUNTED DATA INSTALLATIONS.

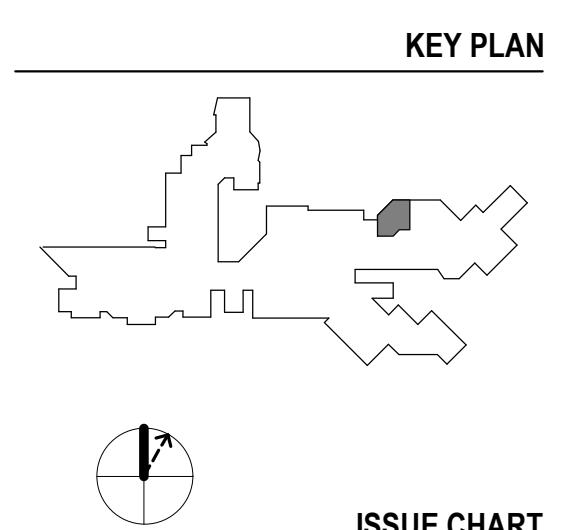
GENERAL NOTES:
 -REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON POKE THRU AND WALL BOX COORDINATION.
 -REFER TO ELECTRICAL DRAWINGS TO COORDINATE DATA AND POWER OUTLET INSTALLATION HEIGHTS. IN GENERAL DATA AND POWER OUTLETS SHALL BE INSTALLED AT SAME HEIGHT.
 -ALL CABLING SHALL BE PLenum RATED.
 -REFER TO DETAILS AND NOTES FOR AV1 AND AV2 REQUIREMENTS, THESE REFER TO WALL BOXES WITH POWER, DATA AND HDBASET OVER IP CONNECTIONS.

LOW VOLTAGE SYMBOL LIST

| SYMBOL | DESCRIPTION | COMMENTS |
|--------------|------------------------------------|--|
| C1 C2 C4 | CAT-6 DATA CONNECTION AND QUANTITY | FURNISH AND INSTALL COMPLETE CAT-6 DATA JACKS, CABLES, PATCH AND LABELED COVER PLATES FOR EACH |
| WAP | WIRELESS ACCESS POINT | WIRELESS ACCESS POINT |
| (S) C | INTERCOM / PA SYSTEM SPEAKER | |
| (SS) C | AV SYSTEM SPEAKER | |
| AV1 AV2 | AV SYSTEM WALL BOXES | FURNISH AND INSTALL DATA AND HDBASET COMPONENTS AS SPECIFIED IN NOTES AND DETAILS |

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 DES PLAINES, IL, 60016

 OAKTON COLLEGE



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LOW VOLTAGE NEW
 WORK PLAN - PHASE 2 -
 OSA/WORKFORCE TRNG

SHEET NUMBER

REFER TO SHEET 11.E10-01
 ELECTRICAL SHEET FOR
 FOR COORDINATION AND
 ADDITIONAL INFORMATION

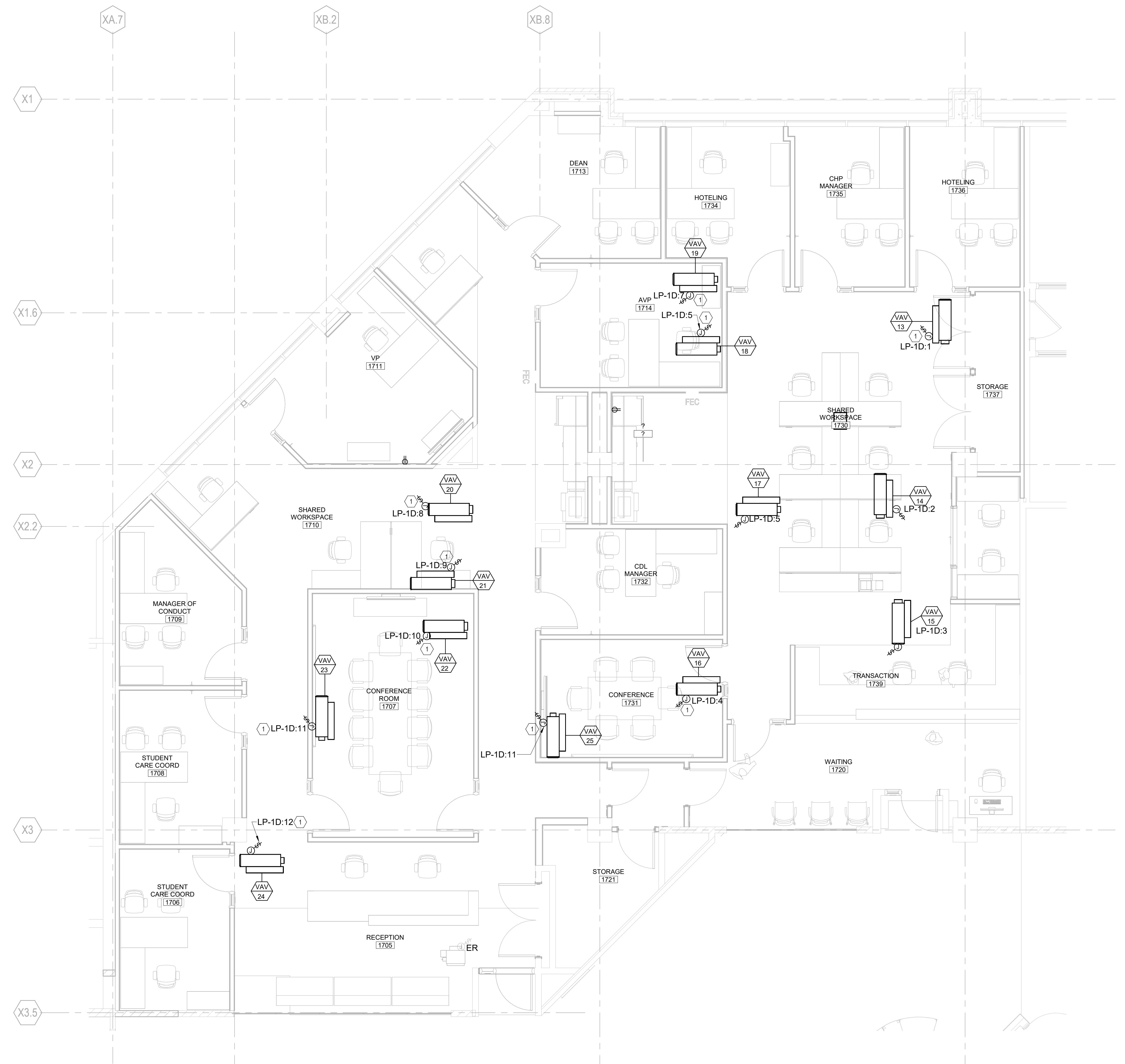
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PROJECT
ADJACENCIES
RENOVATIONS - PHASE
2A - OSA AND
WORKFORCE TRAINING

DES PLAINES CAMPUS
1600 EAST GOLF ROAD
DES PLAINES, IL, 60016



ISSUED FOR BID DECEMBER 15, 2025



1
ELECTRICAL MECHANICAL NEW WORK
PLAN - OSA/WORKFORCE TRAINING
1/4" = 1'-0"

ELECTRICAL PLAN NOTES (X)

1. FURNISH AND INSTALL NEW BRANCH CIRCUIT FROM NOTED PANELBOARD. FURNISH AND INSTALL NEW 20A/1P 277V MOTOR RATED DISCONNECT SWITCH.

ELECTRICAL GENERAL NOTE

ALL BRANCH CIRCUITS SHALL BE (3) #10, 1#10GRD IN 3/4" C UNLESS OTHERWISE NOTED.

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Job Number

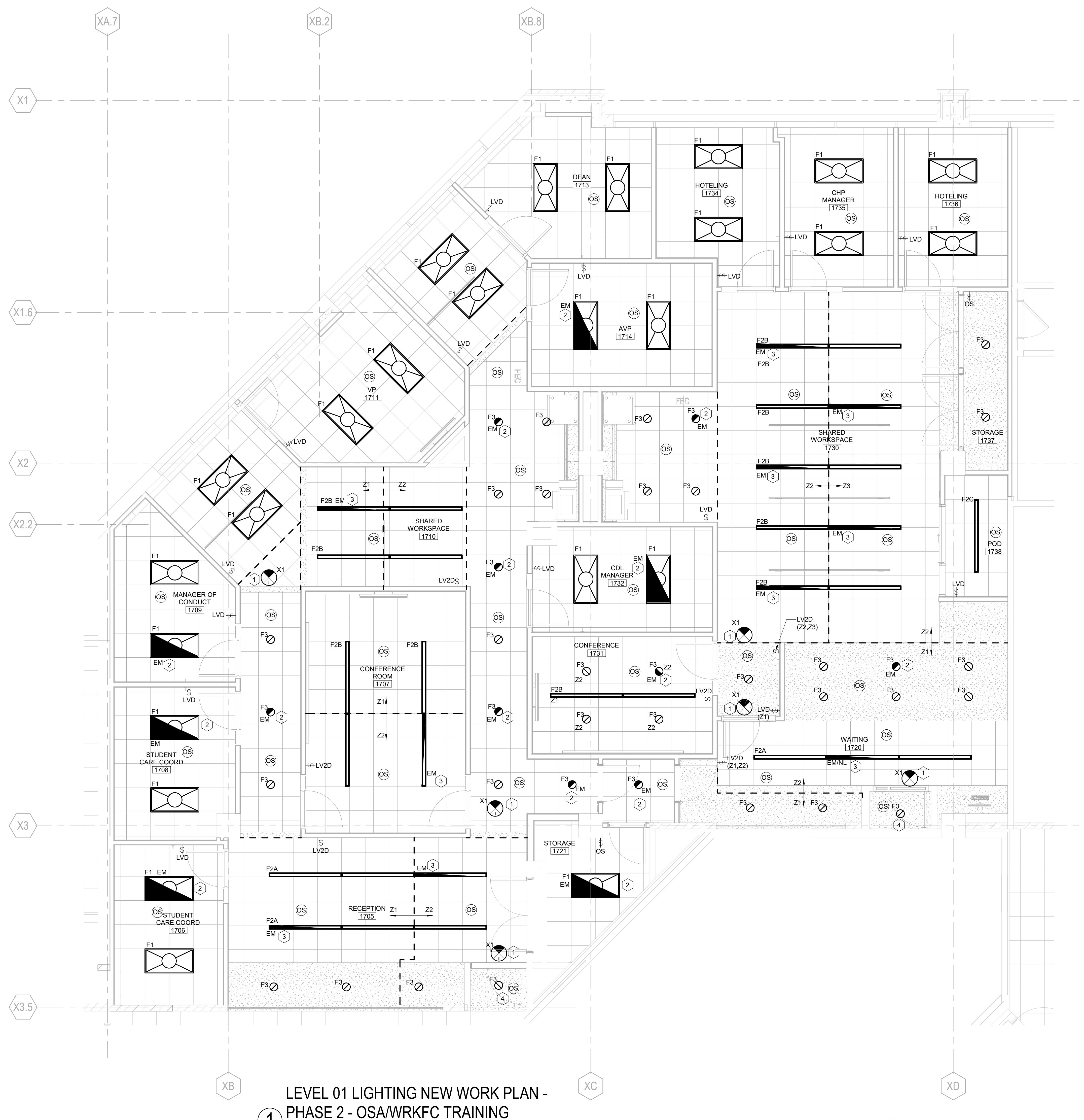
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TITLE
ELECTRICAL
MECHANICAL NEW
WORK PLAN - PHASE 2 -
OSA/WRKFC TRAINING

SHEET NUMBER

11.E11-01

ISSUED FOR BID DECEMBER 15, 2025



LEVEL 01 LIGHTING NEW WORK PLAN -
PHASE 2 - OSA/WRKFC TRAINING

1/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

- REUSE EXISTING BRANCH CIRCUITS FOR ALL NEW LIGHT FIXTURES UNLESS NOTED OTHERWISE. EXTEND EXISTING CONDUIT AND WIRES AS REQUIRED. RECONNECT EXISTING EMERGENCY CIRCUITS TO NEW FIXTURES AS SHOWN. FURNISH AND INSTALL NEW CONTROLS AS SHOWN. ZONING SHALL BE PROGRAMMED AS SHOWN ON DRAWINGS.
- ALL EXIT SIGNS SHALL BE CONNECTED TO EXISTING EMERGENCY EXIT SIGN BRANCH CIRCUIT UNLESS NOTED OTHERWISE. EXTEND EXISTING CONDUIT AND WIRES AS REQUIRED. USE #10 WIRE FOR 277V CIRCUITS LONGER THAN 200 FEET.
- VERIFY EXISTING LIGHTING BRANCH CIRCUIT VOLTAGE IN FIELD PRIOR TO ORDERING FIXTURES.
- COORDINATE LIGHT SWITCH LOCATIONS WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- COORDINATE MOUNTING OF CEILING MOUNTED CONTROL DEVICES WITH ARCHITECT PRIOR TO START OF WORK. ENSURE MAXIMUM COVERAGE IS ACHIEVED.

ELECTRICAL PLAN NOTES (X)

- EXTEND NEAREST EXISTING EMERGENCY EXIT SIGN BRANCH CIRCUIT FOR NEW EXIT SIGN. EXTEND EXISTING CONDUIT AND WIRES AS REQUIRED. COORDINATE FINAL LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- EXTEND NEAREST EXISTING EMERGENCY BRANCH CIRCUIT FOR NEW EM FIXTURE. EXTEND EXISTING CONDUIT AND WIRES AS REQUIRED. REFER TO LIGHTING SEQUENCE OF OPERATIONS FOR FURTHER INFORMATION.
- SECTION OF FIXTURE SHALL BE ON NEAREST EXISTING EMERGENCY/NIGHT LIGHT (AS NOTED ON DRAWING) BRANCH CIRCUIT FOR NEW FIXTURE WIRED AHEAD OF LOCAL CONTROLS. EXTEND EXISTING CONDUIT AND WIRES AS REQUIRED. COORDINATE FIXTURE EMERGENCY CIRCUIT REQUIREMENTS WITH MANUFACTURER AS REQUIRED. NIGHT LIGHTS SHALL REMAIN ON 100% OF THE TIME.
- FIXTURE SHALL BE CONTROLLED VIA LOCAL OCCUPANCY SENSOR. FIXTURE SHALL DIM DOWN TO 50% ILLUMINATION WHEN SPACE IS UNOCCUPIED. FIXTURE SHALL BRIGHTEN TO 100% UPON OCCUPANCY.

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| 1 | ISSUED FOR BID | 15 DEC 25 |
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Job Number

021075.002

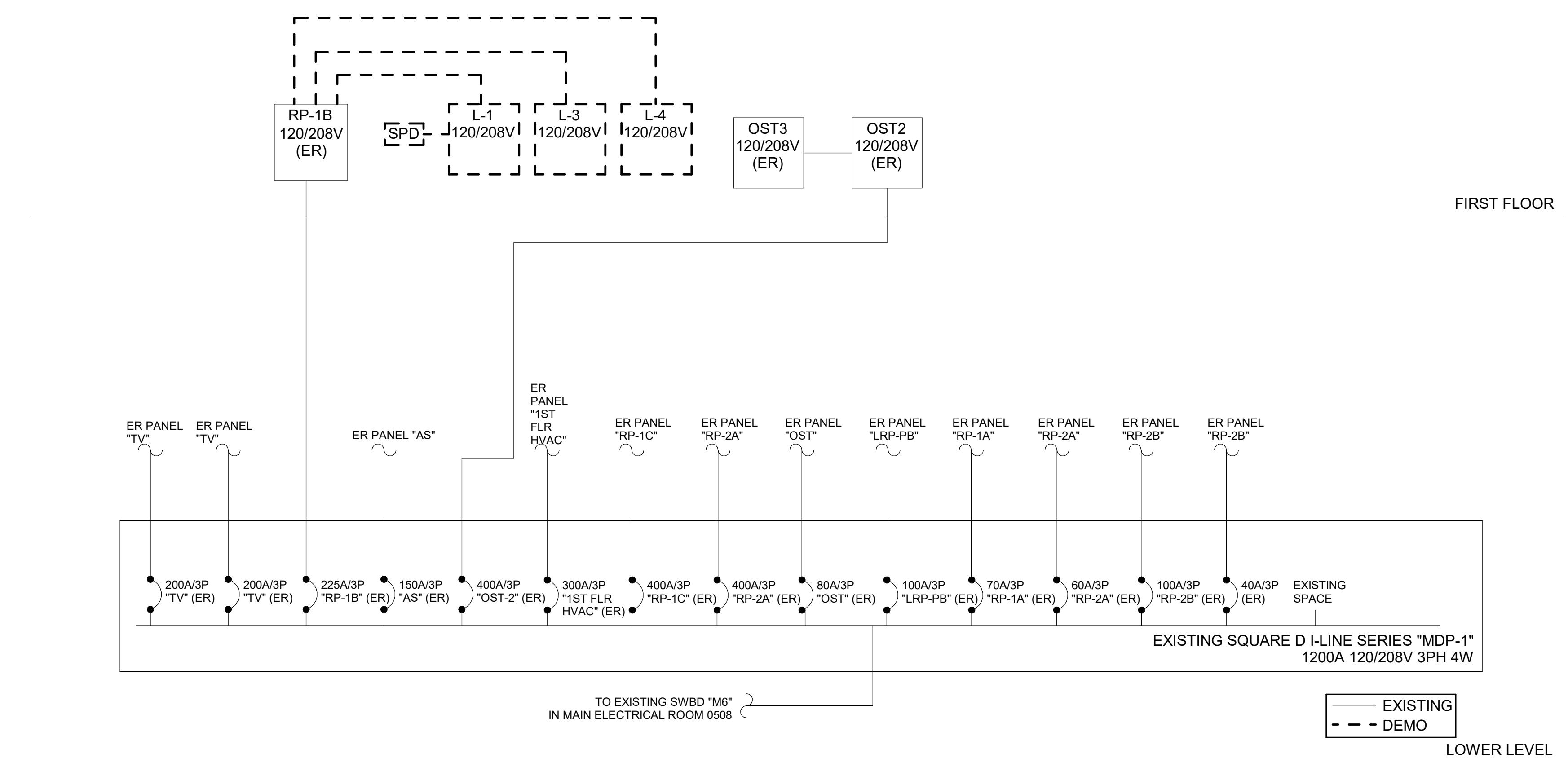
TITLE

LIGHTING NEW WORK
PLANS - PHASE 2 -
OSA/WRKFC TRAINING

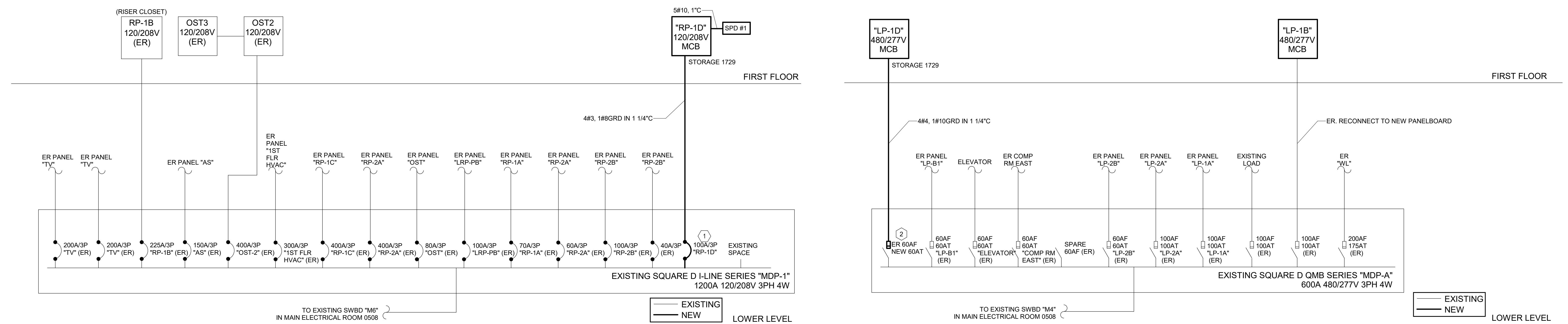
SHEET NUMBER

11.E12-01

| Branch Panel: RP-1B (ER) | | | | | | | | | | Project Name: ADJACENCIES RENOVATIONS - PHASE 2A - OSA AND WORKFORCE... | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Location: Supply From: Mounting: Surface Enclosure: Type 1 | | | | | | | | | | Volts: 120/208 Wye Phases: 3 Wires: 4 A.I.C. Rating: Mains Type: MCB Mains Rating: 225 A MCB Rating: 0 A | | | | | | | | | |
| Notes: | | | | | | | | | | | | | | | | | | | |
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① DEMO RISER DIAGRAM - PHASE 2 - 208V
NOT TO SCALE



② NEW WORK RISER DIAGRAM - PHASE 2 - 208V
NOT TO SCALE

③ NEW WORK RISER DIAGRAM - PHASE 2 - 480V
NOT TO SCALE

NEW WORK KEYED NOTES: (X)

1. FURNISH AND INSTALL NEW 100A/3P CIRCUIT BREAKER IN EXISTING PANELBOARD. NEW BREAKER MAKE, MODEL, AND AIC RATING SHALL MATCH EXISTING. EXTEND AND MODIFY EXISTING BUS AS REQUIRED FOR NEW CIRCUIT BREAKER INSTALLATION.
2. FURNISH AND INSTALL NEW 60A FUSES IN EXISTING 60A BUCKET. MODIFY EXISTING BUCKET AS REQUIRED. PROVIDE NEW IDENTIFICATION TAG ON EXISTING BUCKET SHOWING NEW PANELBOARD NAME.

PROJECT
ADJACENCIES
RENOVATIONS - PHASE
2A - OSA AND
WORKFORCE TRAINING

DES PLAINES CAMPUS
1600 EAST GOLF ROAD
DES PLAINES, IL, 60016



ISSUED FOR BID DECEMBER 15, 2025

KEY PLAN

ISSUE CHART

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| 1 | ISSUED FOR BID | 15 DEC 25 |
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Job Number

021075.002

TITLE

ELECTRICAL RISER
DIAGRAMS

SHEET NUMBER

11.E31-02

| LIGHT FIXTURE SCHEDULE | | | | | | | | | | |
|------------------------|-------------------|---|--------------------|------|-------|---------|--------------|-----------------|---------------------------------------|--|
| TAG | MANUFACTURER | MODEL NUMBER | LAMPS / LUMINARIES | | | DRIVER | MOUNTING | DESCRIPTION | REMARKS | |
| | | | QTY | TYPE | WATTS | | | | | |
| F1 | LITHONIA LIGHTING | 2BLT4-48L-ADP-GZ1-LP840 | PER DWG | LED | 39.3 | 120/277 | 0-10 DIMMING | RECESSED | 2X4 LED TROFFER | VERIFY VOLTAGE OF EXISTING LIGHTING BRANCH CIRCUIT PRIOR TO ORDERING. VERIFY EXACT GRID TYPE PRIOR TO ORDERING ANY LAY-IN FIXTURE. |
| F2A | AXIS LIGHTING | BBRLED-500-80CRI-40K-FL-S(L)-W-UNV-DP-1 (OR 2 AS REQUIRED)+E(2)AS REQUIRED)-ST | PER DWG. | LED | 5W/FT | 120/277 | 0-10 DIMMING | RECESSED | DIRECT LINEAR FIXTURE | RUN FIXTURE IN (9) 9'-0" SECTIONS. PROVIDE SEPARATE EM CIRCUIT AND NEUTRAL AS REQUIRED PER EMNIGHT LIGHT SECTIONS OF FIXTURE AS SHOWN ON THE DRAWINGS. COORDINATE QUANTITY OF DRIVERS REQUIRED WITH MANUFACTURER. VERIFY VOLTAGE OF EXISTING LIGHTING BRANCH CIRCUIT PRIOR TO ORDERING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL CEILING REQUIREMENTS PRIOR TO ORDERING. REFER TO FLOOR PLAN FOR LENGTHS. |
| F2B | AXIS LIGHTING | BBRLED-500-80CRI-40K-FL-S(L)-W-UNV-DP-1 (OR 2 AS REQUIRED)+E(1)OR 2 AS REQUIRED)-ST | PER DWG. | LED | 5W/FT | 120/277 | 0-10 DIMMING | RECESSED | DIRECT LINEAR FIXTURE | RUN FIXTURE IN (2) 6'-0" SECTIONS. PROVIDE SEPARATE EM CIRCUIT AND NEUTRAL AS REQUIRED PER EMNIGHT LIGHT SECTIONS OF FIXTURE AS SHOWN ON THE DRAWINGS. VERIFY VOLTAGE OF EXISTING LIGHTING BRANCH CIRCUIT PRIOR TO ORDERING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL CEILING REQUIREMENTS PRIOR TO ORDERING. REFER TO FLOOR PLAN FOR LENGTHS. |
| F2C | AXIS LIGHTING | BBRLED-600-80CRI-40K-FL-4-W-UNV-DP-1+E(1)AS REQUIRED)-ST | PER DWG. | LED | 6W/FT | 120/277 | 0-10 DIMMING | RECESSED | DIRECT LINEAR FIXTURE | VERIFY VOLTAGE OF EXISTING LIGHTING BRANCH CIRCUIT PRIOR TO ORDERING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL CEILING REQUIREMENTS PRIOR TO ORDERING. REFER TO FLOOR PLAN FOR LENGTHS. |
| F2D | AXIS LIGHTING | BBRLED-600-80CRI-40K-FL-8-W-UNV-DP-1+E(1)AS REQUIRED)-ST | PER DWG. | LED | 6W/FT | 120/277 | 0-10 DIMMING | RECESSED | DIRECT LINEAR FIXTURE | VERIFY VOLTAGE OF EXISTING LIGHTING BRANCH CIRCUIT PRIOR TO ORDERING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL CEILING REQUIREMENTS PRIOR TO ORDERING. REFER TO FLOOR PLAN FOR LENGTHS. |
| F2F | AXIS LIGHTING | BBRLED-600-80CRI-40K-FL-S(L)-8-W-UNV-DP-1+E(1)AS REQUIRED)-ST | PER DWG. | LED | 6W/FT | 120/277 | 0-10 DIMMING | RECESSED | DIRECT LINEAR FIXTURE | RUN FIXTURE IN (3) 8'-0" SECTIONS. PROVIDE SEPARATE EM CIRCUIT AND NEUTRAL AS REQUIRED PER EMNIGHT LIGHT SECTIONS OF FIXTURE AS SHOWN ON THE DRAWINGS. VERIFY VOLTAGE OF EXISTING LIGHTING BRANCH CIRCUIT PRIOR TO ORDERING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL CEILING REQUIREMENTS PRIOR TO ORDERING. REFER TO FLOOR PLAN FOR LENGTHS. |
| F3 | GOTHAM | EVO6-40/20-AR-LSS-MDW-MVOLT-GZ1 | PER DWG. | LED | 19.7 | 120/277 | 0-10 DIMMING | RECESSED | 6" DOWNLIGHT | VERIFY VOLTAGE OF EXISTING LIGHTING BRANCH CIRCUIT PRIOR TO ORDERING. VERIFY MOUNTING TYPE REQUIRED WITH ARCHITECT PRIOR TO ORDERING. |
| X1 | LITHONIA LIGHTING | LRP-W-(1 OR 2 AS REQUIRED)-RW-(DIRECTIONAL INDICATORS AS REQUIRED)-120/277 | PER DWG. | LED | 5 | 120/277 | - | WALL OR CEILING | EXIT SIGN (ONE/TWO SIDED AS REQUIRED) | FINAL ARROW LOCATION SHALL BE COORDINATED WITH THE DRAWINGS. VERIFY VOLTAGE OF EXISTING EXIT SIGNS BRANCH CIRCUIT PRIOR TO ORDERING. |

NOTES:

- 1 OTHER MANUFACTURERS ARE ALLOWED UPON ARCHITECT/OWNER'S PRIOR APPROVAL.
- 2 LIGHT FIXTURES SHALL BE INDEPENDANTLY SUPPORTED TO THE BUILDING STRUCTURE SEPARATE FROM THE CEILING SYSTEM. REFER TO SPECIFICATIONS SECTION 265100 FOR ADDITIONAL INFORMATION.
- 3 REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND LENGTH OF FIXTURES.
- 4 FURNISH AND INSTALL ALL LIGHT FIXTURE MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION OF LIGHT FIXTURES (IE. PENDANTS, FLANGE KITS, CANOPIES, TONG HANGERS, SAFETY CHAINS, UNI-STRUT, ETC.)
- 5 CATALOG NUMBERS MAY NOT REFLECT ALL OF THE REQUIREMENTS INCLUDED IN THE DRAWINGS AND SPECIFICATIONS. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER AND EXISTING SITE CONDITIONS. COORDINATE CEILING TYPES AND MOUNTING TYPES REQUIRED WITH ARCHITECTURAL RCPS PRIOR TO ORDERING.
- 6 COORDINATE FIXTURE COLOR AND LAMP COLOR TEMPERATURE WITH ARCHITECT AND OWNER PRIOR TO ORDERING.
- 7 VERIFY ABOVE CEILING CLEARANCE FOR ALL RECESSED FIXTURES PRIOR TO ORDERING.

LIGHT FIXTURE INSTALLATION:

- A. SUPPORT FOR LIGHTING FIXTURES IN OR ON GRID-TYPE SUSPENDED CEILINGS:
- B. INSTALL A MINIMUM OF FOUR CEILING SUPPORT SYSTEM RODS OR WIRES FOR EACH FIXTURE. LOCATE NOT MORE THAN 6 INCHES FROM LIGHTING FIXTURE CORNERS. RODS/WIRE MUST BE INSTALLED FROM STRUCTURE AND SIZED IN ORDER TO SUPPORT EACH FIXTURE INDEPENDENTLY OF GRID. WIRE SHALL HAVE BREAKING STRENGTH OF THE WEIGHT OF THE FIXTURE AT A SAFETY FACTOR OF 3 TIMES UNITS WEIGHT. PROVIDE NO MORE THAN 2' OF SLACK IN EACH FIXTURE SUPPORT CABLE AFTER FIXTURES HAVE BEEN INSTALLED WITHIN GRID.
- C. SUPPORT CLIPS: FASTEN TO LIGHTING FIXTURES AND TO CEILING GRID MEMBERS AT OR NEAR EACH FIXTURE CORNER WITH CLIPS THAT ARE UL LISTED FOR THE APPLICATION, PER NEC 410-16-C.
- D. FIXTURES OF SIZES LESS THAN CEILING GRID: INSTALL AS INDICATED ON REFLECTED CEILING PLANS OR CENTER IN ACOUSTICAL PANEL, AND SUPPORT FIXTURES INDEPENDENTLY WITH AT LEAST TWO 3/4-INCH METAL CHANNELS SPANNING AND SECURED TO CEILING TEES. INSTALL AT LEAST ONE INDEPENDENT SUPPORT ROD OR WIRE FROM STRUCTURE TO A TAB ON EACH END OF LIGHTING FIXTURE. WIRE OR ROD SHALL HAVE BREAKING STRENGTH OF THE WEIGHT OF FIXTURE AT A SAFETY FACTOR OF 3.
- E. ALL JUNCTION BOXES USED FOR SUPPORTING LIGHT FIXTURES WILL BE HEAVY DUTY UL LISTED FOR THE APPLICATION. DO NOT SUPPORT FROM CEILING GRID. SUPPORT FROM STRUCTURE AND USE GRID TO STABILIZE UNIT.

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KEY PLAN

ISSUE CHART

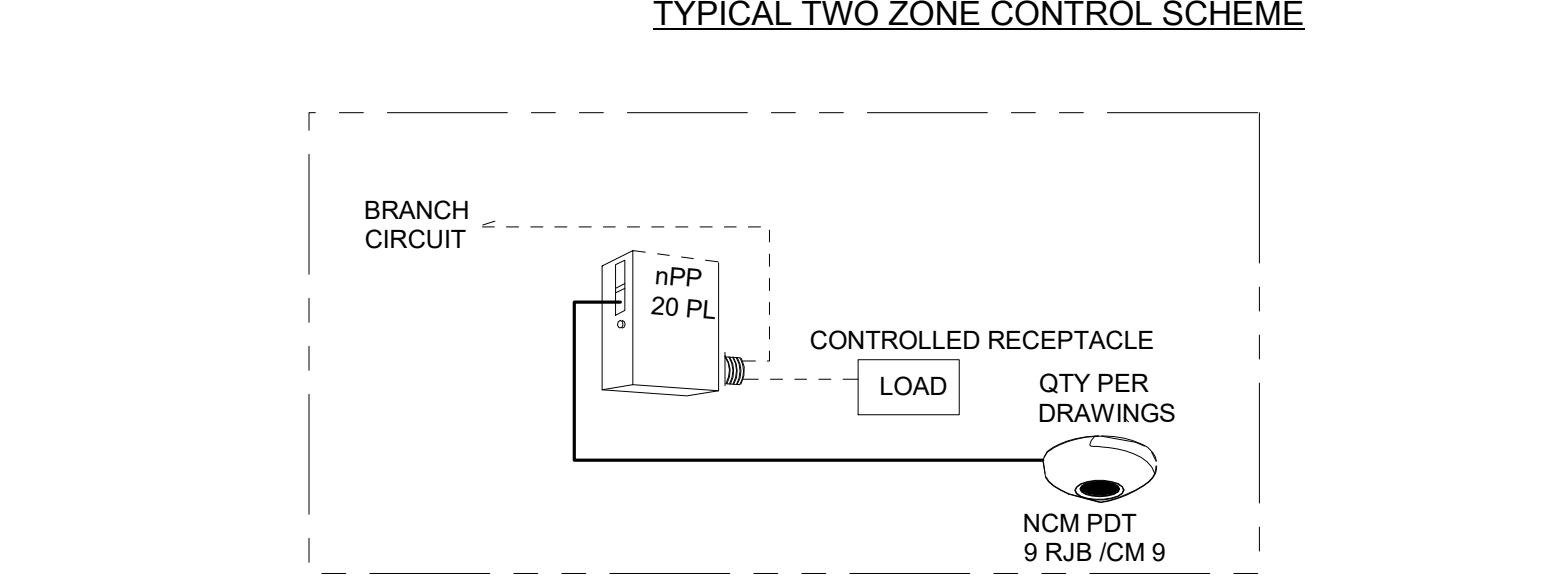
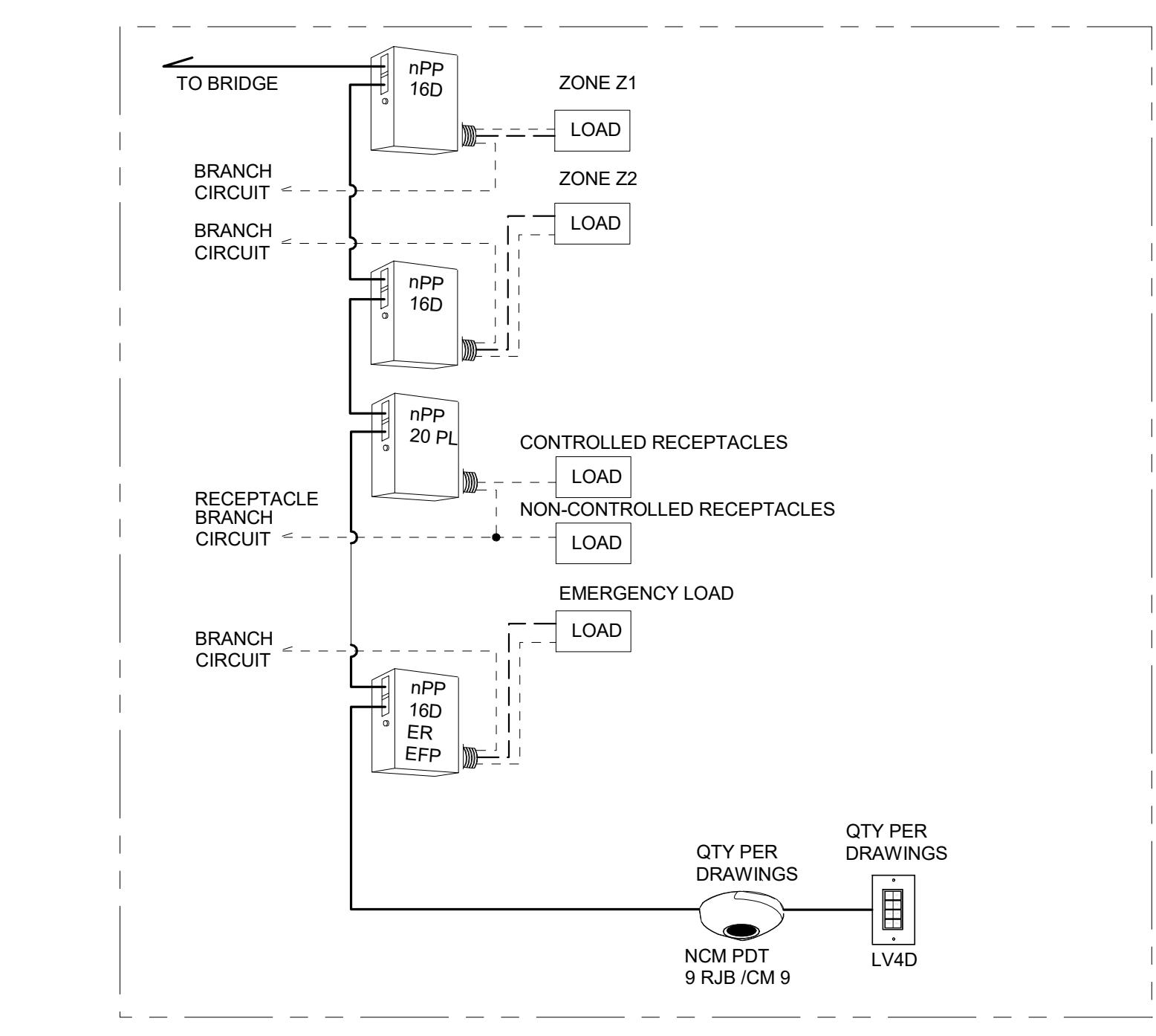
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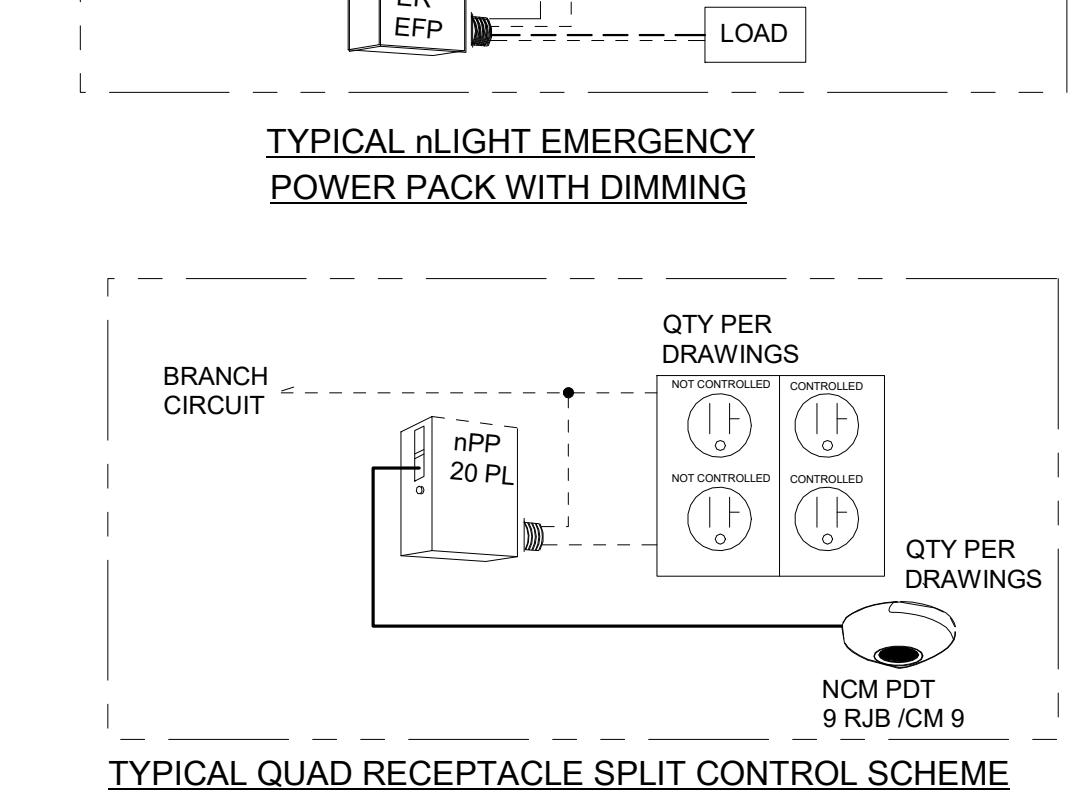
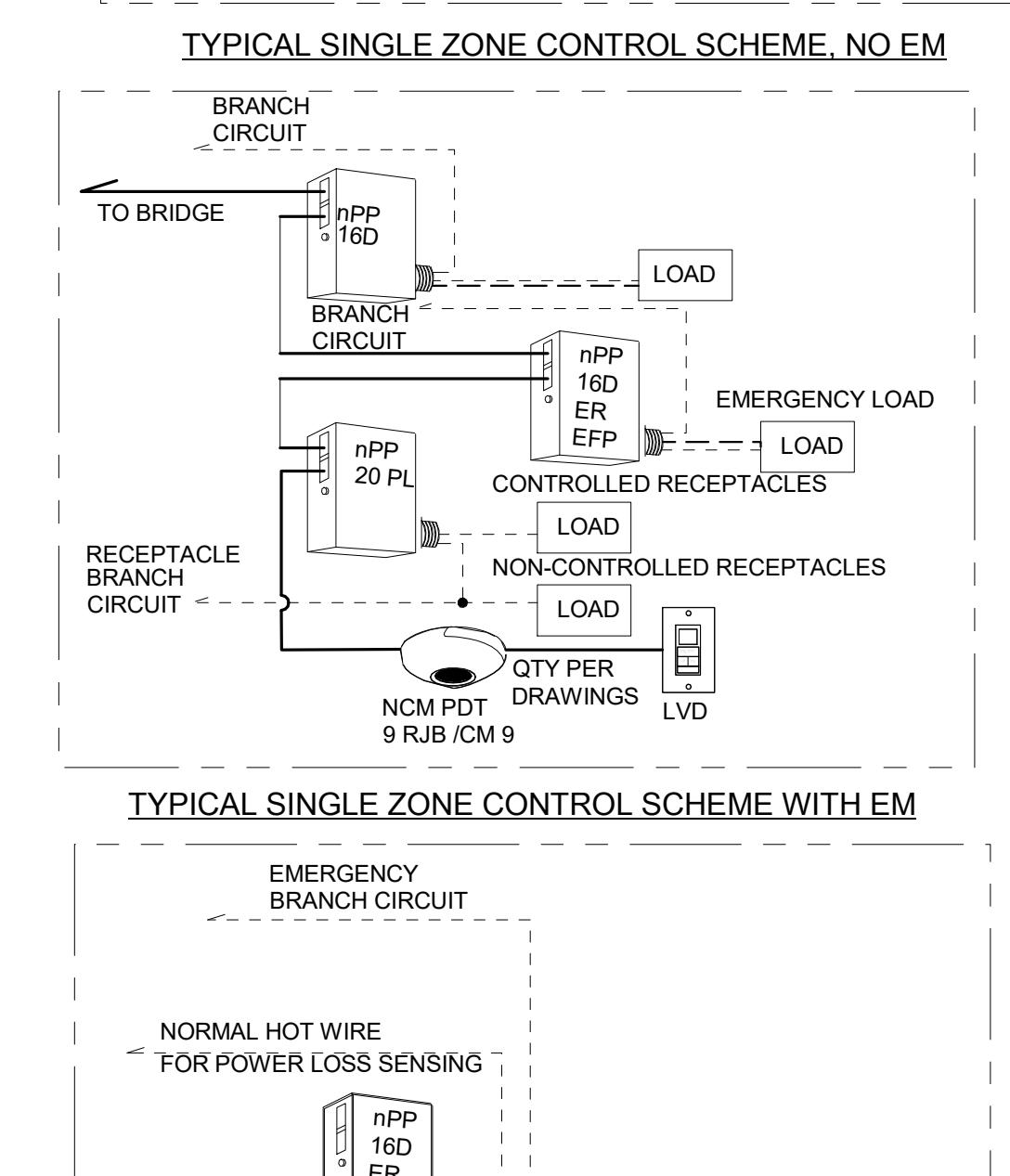
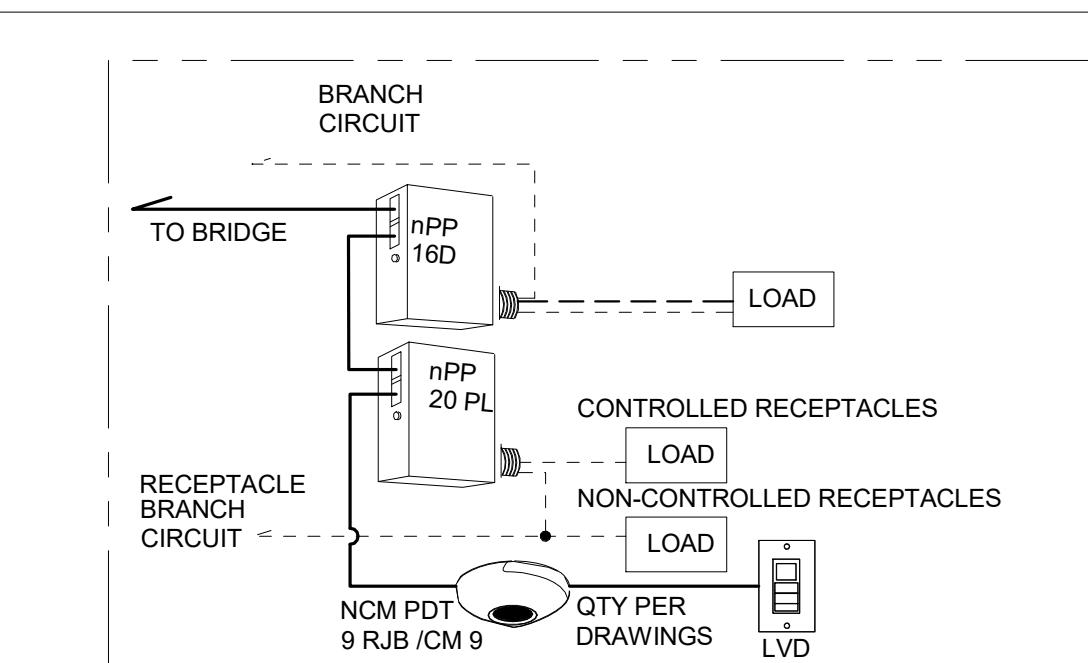
TITLE

| LIGHTING CONTROL SEQUENCE OF OPERATION | |
|--|---|
| ROOMS DESCRIPTION | LIGHTING CONTROL |
| TYPICAL SMALL ROOM/ENCLOSED | OCCUPANCY SENSOR CONTROLLED AND DIMMABLE LUMINAIRES MANUAL ON, AUTO OFF WHEN UNOCCUPIED. RAISE/LOWER AS SHOWN. MANUAL DIMMING CONTROL VIA DIMMING SWITCH. MARKED RECEPTACLES (AS SHOWN ON PLAN) SHALL BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. AUTO ON, AUTO OFF WHEN SPACE IS UNOCCUPIED. |
| RECEPTION AREAS | OCCUPANCY SENSOR CONTROLLED AND DIMMABLE LUMINAIRES AUTO ON, AUTO OFF WHEN UNOCCUPIED. MANUAL DIMMING CONTROL VIA DIMMING SWITCH. MARKED RECEPTACLES (AS SHOWN ON PLAN) SHALL BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. AUTO ON, AUTO OFF WHEN SPACE IS UNOCCUPIED. |
| OPEN OFFICE SPACES | OCCUPANCY SENSOR CONTROLLED DIMMABLE LUMINAIRES AUTO ON, AUTO OFF WHEN UNOCCUPIED. GENERAL: ALL LUMINAIRES OPERABLE AT FULL, OUTPUT TRIMMED TO MAINTAIN A MINIMUM ILLUMINATION LEVEL OF 50FC. ALL NORMAL LUMINAIRES OFF WHEN UNOCCUPIED. ALL EMERGENCY AND NIGHT LIGHTS DIMMED DOWN TO 50%. MARKED RECEPTACLES (AS SHOWN ON PLAN) SHALL BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. AUTO ON, AUTO OFF WHEN SPACE IS UNOCCUPIED. |
| CONFERENCE | OCCUPANCY SENSOR CONTROLLED DIMMABLE LUMINAIRES MANUAL ON, AUTO OFF WHEN UNOCCUPIED. RAISE/LOWER AS SHOWN. MANUAL DIMMING CONTROL VIA DIMMING SWITCH. MARKED RECEPTACLES (AS SHOWN ON PLAN) SHALL BE CONTROLLED VIA CEILING MOUNTED OCCUPANCY SENSOR. AUTO ON, AUTO OFF WHEN SPACE IS UNOCCUPIED. |
| CORRIDOR | OCCUPANCY SENSOR CONTROLLED DIMMABLE LUMINAIRES. AUTO ON, DIMMED TO 50% WHEN UNOCCUPIED. COORDINATE TIMECLOCK SCHEDULING WITH OWNER. |
| STORAGE ROOMS | OCCUPANCY SENSOR CONTROLLED MANUAL ON, AUTO OFF WHEN UNOCCUPIED. |
| LIGHTING CONTROL SYSTEM BASIS OF DESIGN IS THE ACUITY NIGHT PRODUCT. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL SOFTWARE AND HARDWARE TO PROVIDE A COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM INCLUDING BUT NOT LIMITED TO BRIDGES, SMART SENSORS (OCCUPANCY AND PHOTOSENSOR), WALL STATIONS, POWER SUPPLIES, COMMUNICATIONS MODULES, CABLING, START UP AND COMMISSIONING. THE SYSTEM SHALL INCLUDE TASK TUNING LIGHTING DURING FINAL SETUP. REFER TO FLOOR PLAN FOR ZONING. ELECTRICAL CONTRACTOR TO PROVIDE NIGHT ECLYPSE SYSTEM CONTROLLER FOR TIME CLOCK AND SCHEDULING, BAS CONNECTIVITY AND OTHER FUNCTIONALITY AS REQUIRED. ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL ALL REQUIRED CONDUIT AND WIRING FOR AND BETWEEN ALL DEVICES PER MANUFACTURER REQUIREMENT. ELECTRICAL CONTRACTOR TO INSTALL CAT5A PLUMER RATED CABLE BACK TO IDP/P16 AND COORDINATE FIRE TESTS WITH THE OWNER. ELECTRICAL CONTRACTOR TO COORDINATE WITH THE OWNER FOR SOFTWARE INSTALLATION AND ACCESS TO WINDOWS BASE SERVER. ELECTRICAL CONTRACTOR TO PROVIDE TRAINING TO THE OWNER, PROGRAMMING AND TROUBLESHOOTING THE LIGHTING CONTROL SYSTEM | |

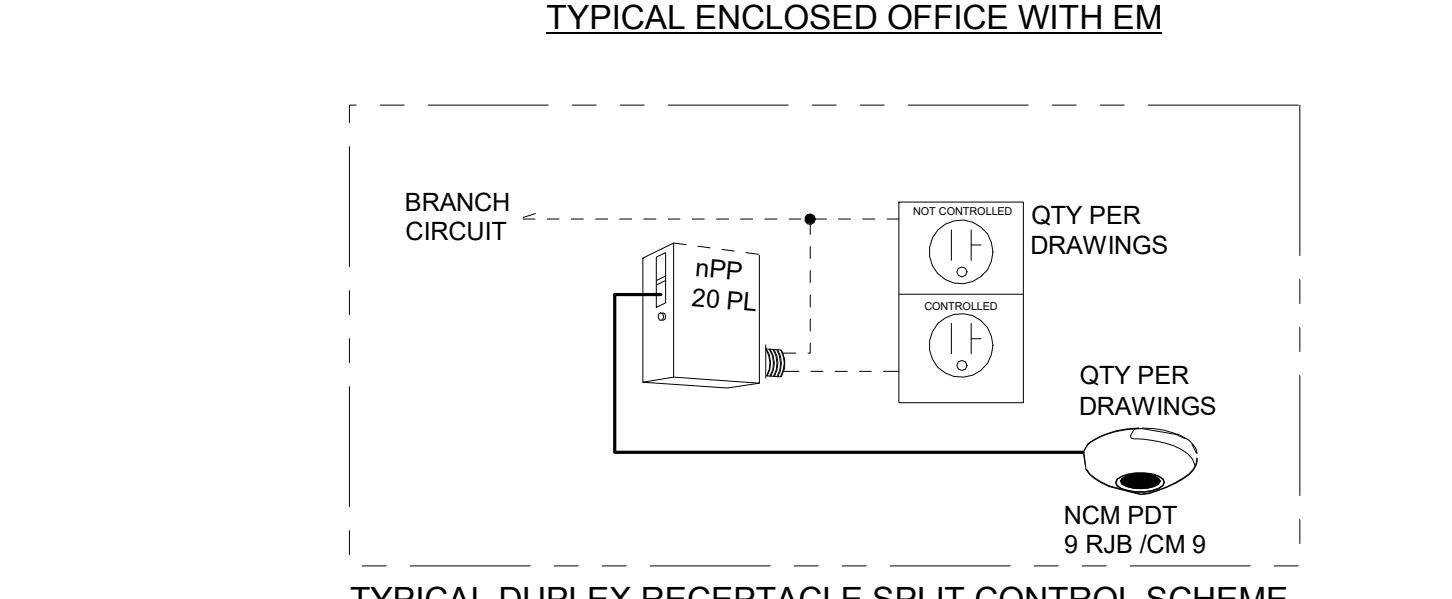
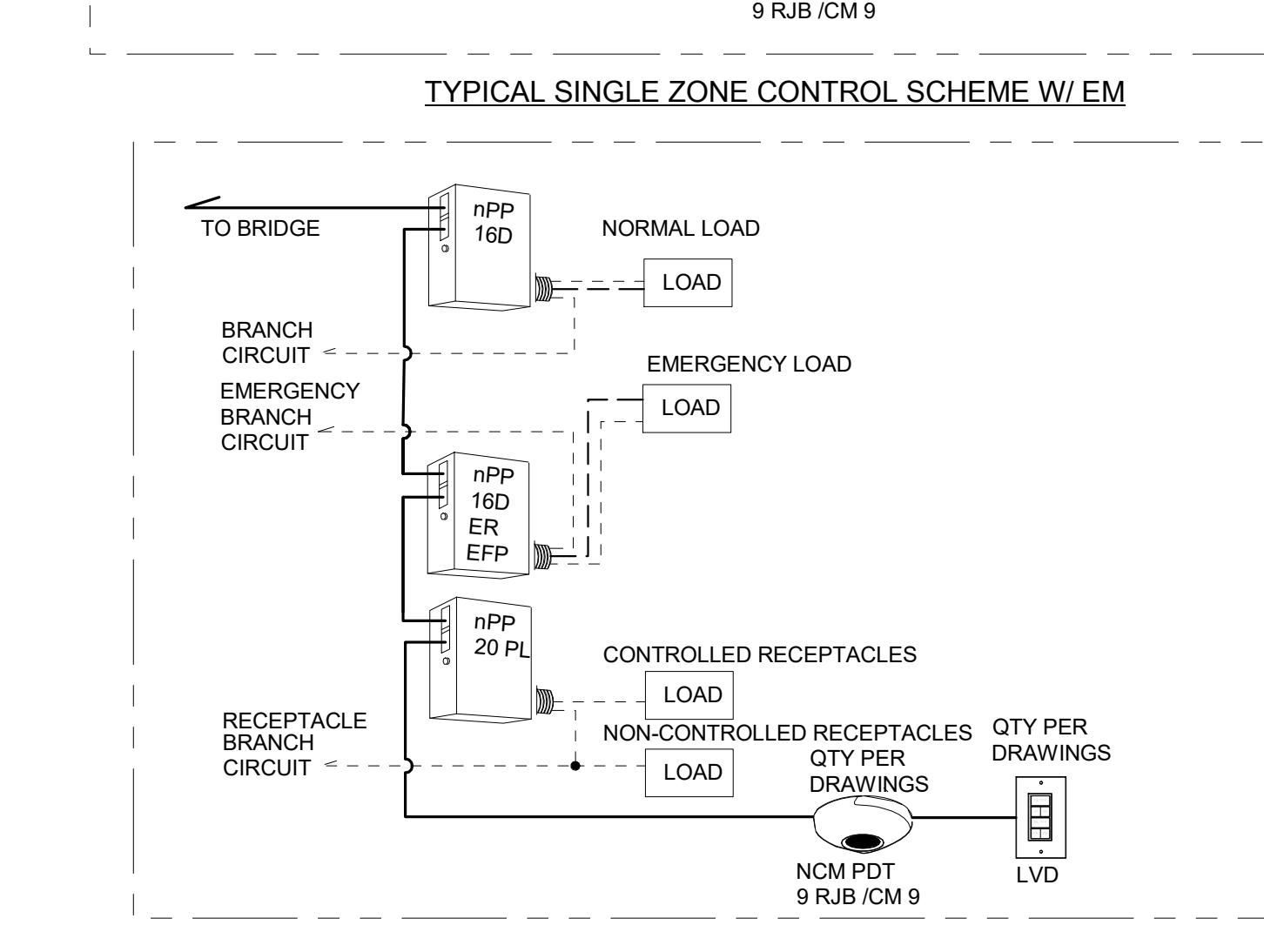
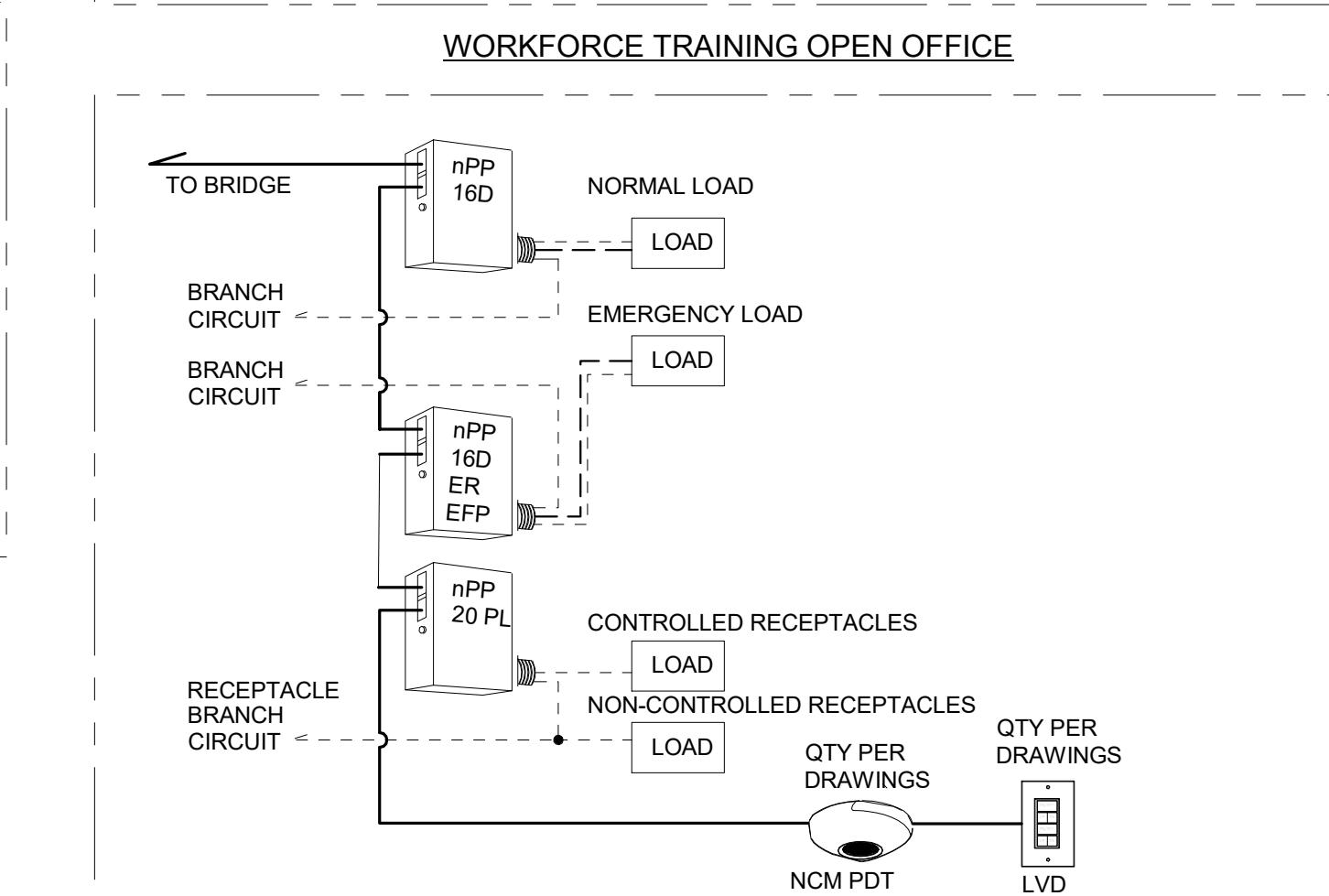
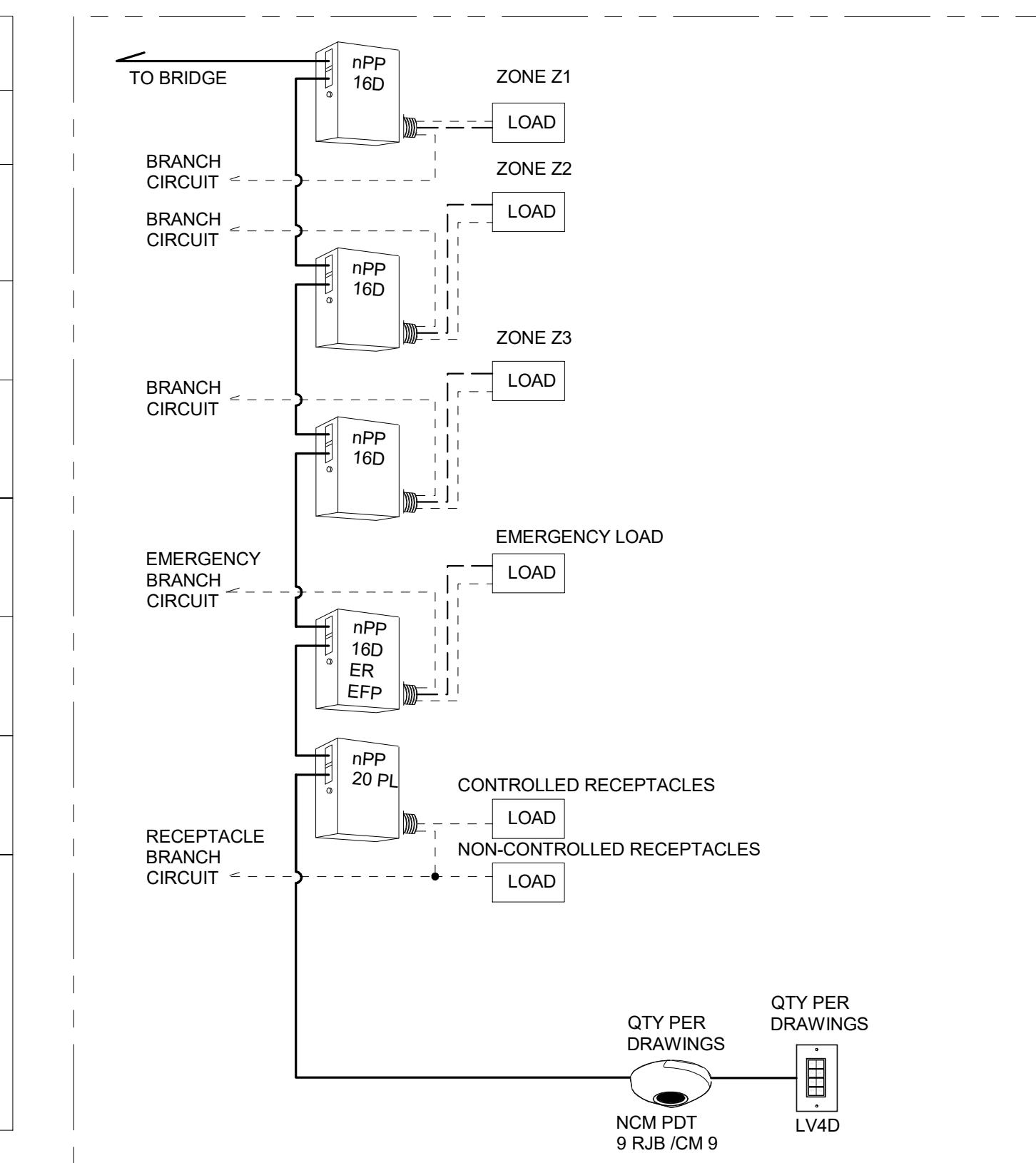
| GENERAL NOTES | |
|---------------|---|
| 1. | OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND SWITCH QUANTITIES: PROVIDE QUANTITIES OF NOTED DEVICES AS SHOWN ON FLOOR PLANS, BUT NO LESS THAN ONE OF EACH DEVICE INDICATED ON THE WIRING DIAGRAMS. LIGHTING CONTROLS VENDOR MUST PROVIDE ALL ADDITIONAL APPARATUS AND DEVICES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM AS NOTED ON THIS SHEET, ON THE DRAWING SET, AND AS REQUIRED IN THE SPECIFICATION BOOK. |
| 2. | LIGHTING VENDOR TO CONFIRM QUANTITIES AND TYPE OF RELAY POWER PACKS REQUIRED MEET PROJECT SPECIFICATIONS AND DESIGN DRAWINGS. ALL LAYOUTS SHOW MINIMUM NUMBER OF DEVICES AND MUST BE EXPANDED TO APPLY TO EACH SPACE WITHIN PROJECT. |
| 3. | POWER LOSS SENSE CIRCUIT: EMERGENCY POWER PACKS MUST HAVE NON-EMERGENCY LIGHTING BRANCH CIRCUIT PROVIDED FOR PROPER POWER-LOSS SENSING. PROVIDE NON-EMERGENCY BRANCH CIRCUIT AHEAD OF LIGHTING CONTROLS FROM NEAREST LOCAL LIGHTING BRANCH. LIGHTS FED FROM NON-EM BRANCH MUST SERVE SAME AREA AS EMERGENCY LIGHTS. |
| 4. | PROVIDE PLUMER RATED CAT5A INTERCONNECTION ACROSS MULTIPLE SPACES FOR ALL NIGHT CONTROL SYSTEMS TO PROVIDE FLEXIBILITY FOR FUTURE NETWORKING. |
| 5. | COORDINATE FINAL LOCATION FOR BRIDGE, LIGHT SWITCHES, SENSORS, AND ECLYPSE PANEL WITH THE ARCHITECT. |



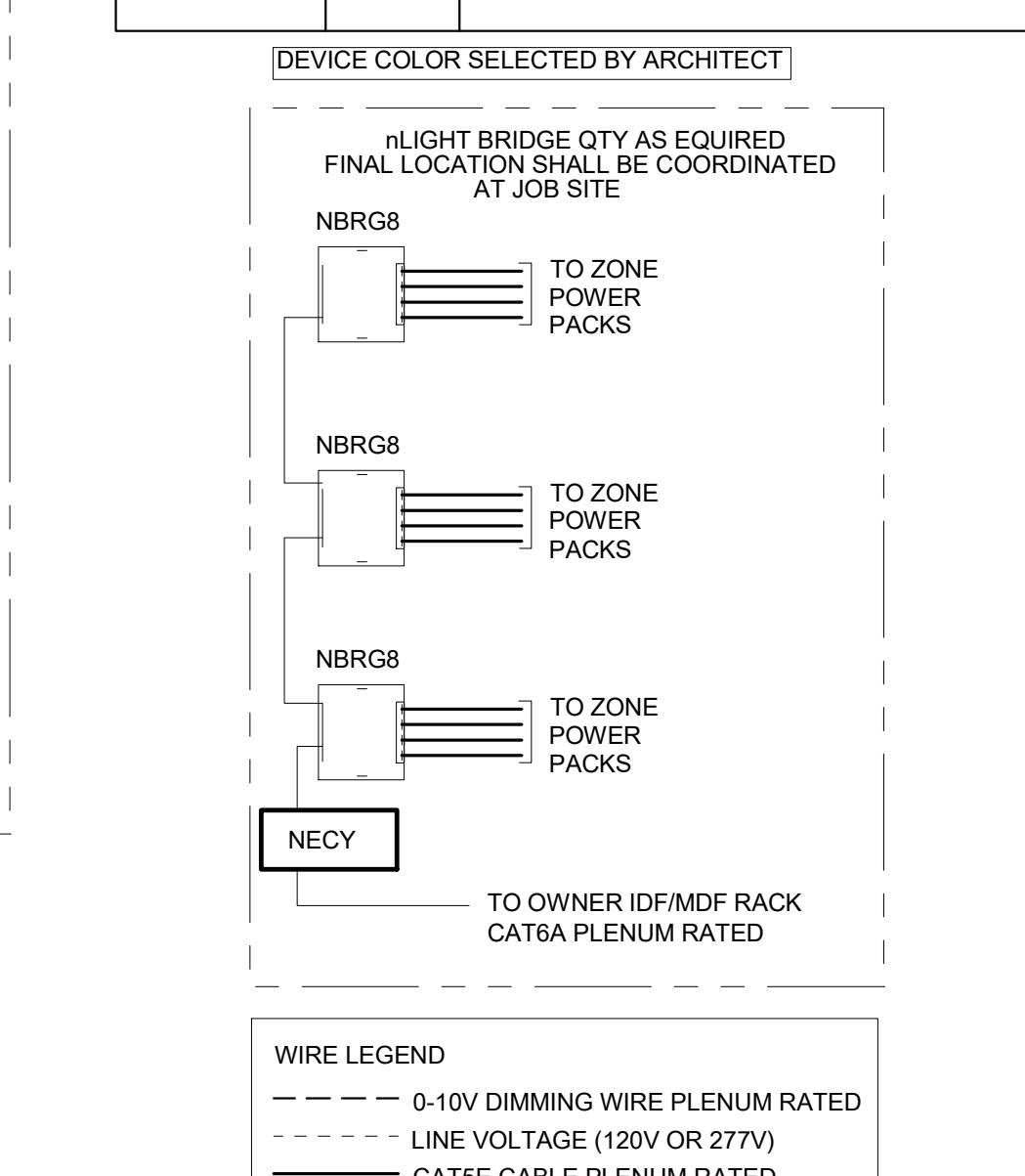
CONTROLLED MODULAR RECEPTACLES ARE SHOWN ON POWER PLAN.
COORDINATE REQUIREMENTS WITH MANUFACTURER AS REQUIRED.



TYPICAL QUAD RECEPTACLE SPLIT CONTROL SCHEME



| DIAGRAM SYMBOL | PLAN SYMBOL | DESCRIPTION |
|----------------|-------------|---|
| | OS | WALL POD: PUSH BUTTON ON/OFF 1-POLE, LOW VOLTAGE nLIGHT#HWX PDT LV WH |
| | LVD | WALL POD: PUSH BUTTON ON/OFF + RAISE/LOWER 1-POLE, LOW VOLTAGE nLIGHT#PDM 2P DX WH |
| | LV2D | WALL POD: PUSH BUTTON ON/OFF + RAISE/LOWER 2-POLE, LOW VOLTAGE nLIGHT#PDM 2P DX WH |
| | LV4D | WALL POD: PUSH BUTTON ON/OFF + RAISE/LOWER 4-POLE, LOW VOLTAGE nLIGHT#PDM 4P DX WH |
| | OS | CEILING MOUNTED, DUAL-TECH, LOW VOLTAGE VACANCY SENSOR WITH REAR PORT CONNECTION. nLIGHT#High Mount 360° (Model # CM 10) / (Model # CM 9) |
| | N/A | nLIGHT SERIES RELAY/POWER PACK FOR CIRCUIT CONTROL AND DIMMING. PROGRAMMED AND NETWORKED OVER CAT5E nLIGHT#nPP16D |
| | N/A | nLIGHT SERIES RELAY/POWER PACK FOR CIRCUIT CONTROL. PROGRAMMED AND NETWORKED OVER CAT5E nLIGHT#nPP16 |
| | N/A | nLIGHT SERIES RELAY/POWER PACK FOR RECEPTACLE CONTROL. PROGRAMMED AND NETWORKED OVER CAT5E nLIGHT#nPP20 PL |
| | N/A | nLIGHT SERIES EMERGENCY RELAY/POWER PACK FOR EMERGENCY CIRCUIT CONTROL. PROGRAMMED AND NETWORKED OVER CAT5E nLIGHT#nPP16 ER EFP |
| | N/A | nLIGHT SERIES EMERGENCY RELAY/POWER PACK FOR EMERGENCY CIRCUIT CONTROL. PROGRAMMED AND NETWORKED OVER CAT5E nLIGHT#nPP16D ER EFP |
| | N/A | nLIGHT SERIES BACKBONE BRIDGE DEVICE. USED FOR NETWORKING ALL NIGHT DEVICES TOGETHER IN A NETWORK OVER CAT5E nLIGHT#NBRG 8 |
| | N/A | NLIGHT ECLYPSE SYSTEM CONTROLLER TO COORDINATE ALL NIGHT CONTROLLING THE SYSTEM CONTROLLER AND CONTROLLED LIGHTING CONTROLS DEVICES TO BE ACCESSED AND CONFIGURED ACROSS A LOCAL AREA NETWORK. BACKBONE TEST LABORATORIES (BTL) LISTED AS A BACNET BUILDING CONTROLLER (B-BC) PROVES TIME-OF-DAY AND ASTRONOMICAL TIME CLOCK CAPABILITIES FOR SCHEDULED LIGHTING CONTROL EVENTS |
| | N/A | NLIGHT A SMALL INLINE WIRED DEVICE THAT DIGITALLY INTERFACES AN NIGHT-ENABLED ZONE WITH A NON-NIGHT DEVICE WITH RS-232 OR RS-485 OUTPUTS |



FLIGHT BRIDGE QTY AS SQUIRED
FINAL LOCATION SHALL BE COORDINATED
AT JOB SITE



TO ZONE POWER PACKS

TO ZONE POWER PACKS

TO ZONE POWER PACKS

TO OWNER IDF/MDF RACK
CAT6A PLUMER RATED

TO WIRE LEGEND

0-10V DIMMING WIRE PLUMER RATED

LINE VOLTAGE (120V OR 277V)

CAT5E CABLE PLUMER RATED

1 ISSUED FOR BID
15 DEC 25
Job Number 021075.002
TITLE

LIGHTING CONTROL DETAILS

SHEET NUMBER

11.E41-01

ISSUED FOR BID DECEMBER 15, 2025

Oakton College
OAKTON COLLEGE

KEY PLAN

ISSUE CHART

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FIRE ALARM SYSTEM GENERAL NOTES: (EXISTING SYSTEM)

1. FIRE ALARM CONTRACTOR TO PROVIDE AND INSTALL NEW FIRE ALARM DEVICES IN LOCATIONS GIVEN AND WIRE BACK TO EXISTING FIRE ALARM CONTROL PANEL. ALL FIRE ALARM WIRING TO BE PLENUM RATED AND INSTALLED IN RED RACEWAY, ALL RACEWAY IN FINISHED AREAS TO BE OF THE METALLIC WIREMOLD TYPE (COLOR SELECTED BY ARCHITECT), WHERE CONDUIT IS USED AS THE PREDOMINATE TYPE OF RACEWAY CONDUIT MAY BE USED (AT ARCHITECT'S DISCRETION) AND MUST BE PAINTED OUT TO MATCH SURROUNDING AREA. ANY SURFACE MOUNTED RACEWAY TYPE ON FINISHED WALL IN OCCUPIED SPACES SHALL BE SELECTED BY ARCHITECT INCLUDING COLOR.
2. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL WALK EACH BUILDING AND BECOME FAMILIARIZED WITH THE BUILDING CONSTRUCTION. TAKE NOTE TO ALL CEILING AND WALL MATERIALS PRIOR TO BIDDING. NO ADDITIONAL COST WILL BE INCURRED BY THE OWNER FOR WORK THAT COULD HAVE BEEN REASONABLY DETERMINED AND/OR AVOIDED HAD THE CONTRACTOR FIELD VERIFIED EXISTING BUILDING CONSTRUCTION TYPE AND CONDITIONS PRIOR TO BIDDING.
3. FIRE ALARM CONTRACTOR TO MOUNT VISUAL STROBES AT 80" AFF TO BOTTOM OF BOX OR AS REQUIRED BY LOCAL JURISDICTION.
4. FIRE ALARM CONTRACTOR TO MOUNT PULL STATIONS AT 48" AFF TO TOP OF BOX, OPERATING HANDLE HEIGHT NOT TO EXCEED 48" AFF.
5. FIRE ALARM CONTRACTOR SHALL VERIFY THAT ALL FIRE ALARM DEVICES CONFORM TO ILLINOIS ACCESSIBILITY CODE REQUIREMENTS.
6. FIRE ALARM CONTRACTOR TO PROVIDE AND INSTALL FIRE ALARM ZONE MAP IN A PLEXI-GLASS FRAME. MAPS TO BE MOUNTED NEXT TO CONTROL AND ANNUNCIATOR PANELS. GIVE (5) COPIES TO OWNER. SHOW ALL INITIATING DEVICES AND NAC PANELS. MAPS SHALL BE LEGIBLE AND OF A SIZE NO LARGER THAN 17"X22" UNLESS OTHERWISE AGREED UPON BY THE OWNER AND ENGINEER. DEVICES AND TEXT (I.E. ROOM NUMBERS) SHALL BE OF A SIZE SO AS TO BE CLEARLY LEGIBLE. TEXT TO BE A MINIMUM 3/32" IN HEIGHT.
7. TAMPER SWITCHES TO INDICATE "SUPERVISORY" ONLY.
8. EACH SIGNAL CIRCUIT SHALL NOT EXCEED 1.3 AMPS. ADJUST WIRE SIZES TO LIMIT VOLTAGE DROP AS PER NFPA 72 AND LOCAL CODE.
9. PROVIDE AND INSTALL ADDITIONAL POWER SUPPLIES/EXTENDER PANELS ("NAC" PANELS) AND VOICE AMP PANELS AS REQUIRED FOR PROPER OPERATION OF NOTIFICATION CIRCUITS AND TO MINIMIZE WIRING RUNS TO FIRE ALARM CONTROL PANEL AND TO MEET SLC CIRCUIT DISTANCE LIMITATIONS. "NAC" PANELS SHALL BE INSTALLED IN JANITOR CLOSETS OR STORAGE ROOMS IF APPROVED BY THE OWNER. "NAC" PANELS WILL NOT BE INSTALLED ABOVE CEILINGS OR IN CEILING SPACES.
10. PROVIDE AND INSTALL RED PREFINISHED BACK BOX WHERE SURFACE MOUNTED BOXES ARE REQUIRED. INSTALL MANUFACTURER TRIM PLATE AS REQUIRED. COORDINATE COLOR PRIOR TO ORDERING.
11. CONTRACTOR SHALL MAINTAIN AN OPERABLE FIRE ALARM SYSTEM AT ALL TIMES. AT NO TIME SHALL THE BUILDING BE LEFT UNPROTECTED WITHOUT NOTIFICATION IN WRITING TO OWNER AND FIRE DEPARTMENT. MINIMUM 48 HOURS ADVANCED NOTICE IS REQUIRED. CONTRACTOR SHALL HIRE FIRE DEPARTMENT APPROVED GUARD/FIRE DEPARTMENT PERSONNEL TO WATCH BUILDING WHEN LEFT UNPROTECTED. MINIMIZE SYSTEM DOWN TIME TO THE FULLEST EXTENT POSSIBLE.
12. CONTRACTOR SHALL PROVIDE BATTERY BACKUP IN ORDER TO OBTAIN 24 HOURS OF STAND BY OPERATION IN THE EVENT OF A POWER FAILURE, THEN 2 HOURS OF ALARM TIME OR 15 MINUTES OF EMERGENCY ALARM OPERATION THEREAFTER AT MAXIMUM LOAD.
13. PROGRAM FIRE ALARM CONTROL PANEL TO DISPLAY ADDRESSABLE DEVICE TYPE, ITS ADDRESS AND ITS RESPECTIVE LOCATION. EXACT ROOM NAMES AND NUMBERS SHALL BE VERIFIED IN THE FIELD WITH THE OWNER. DO NOT USE ROOM NAME AND NUMBER INFORMATION INDICATED ON THE DRAWINGS WITHOUT ARCHITECT/OWNERS CONSENT IN WRITING. PRIOR TO PROGRAMMING FIRE ALARM CONTROL PANEL, SURVEY THE BUILDING WITH THE ARCHITECT/OWNER TO OBTAIN THE CORRECT ROOM NAME AND NUMBERING INFORMATION TO BE DISPLAYED ON THE CONTROL PANEL AND ANNUNCIATOR PANEL. SURVEYING AND PROGRAMMING OF THE CONTROL PANEL AS DESCRIBED ABOVE WILL BE DONE BY THE CONTRACTOR AS PART OF THIS CONTRACT.
14. SET EACH INITIATING DEVICE WITH ADDRESSABLE STATION NUMBER AS REQUIRED. LABEL EACH DEVICE WITH ADDRESS NUMBER. PROVIDE LIST OF ADDRESSABLE DEVICE LOCATION NUMBERS TO OWNER. LABEL EACH NOTIFICATION DEVICE WITH CIRCUIT INFORMATION. INCLUDE BAR CODE ON EACH DEVICE AS WELL. SEE SPECIFICATIONS.
15. CONTRACTOR SHALL TURN OVER ALL SMOKE DETECTOR DUST CAPS TO OWNER UPON COMPLETION OF PROJECT.
16. SMOKE AND/OR HEAT DETECTORS SHALL BE INSTALLED A MINIMUM OF 6 FEET AWAY FROM AIR SUPPLY OR AIR RETURN DIFFUSER GRILLES SO AS PREVENT FALSE ALARMS.
17. THE CONTRACTOR SHALL PERFORM AN INITIAL SYSTEM CHECKOUT TO DETERMINE FUNCTIONALITY OF THE EXISTING SYSTEM PRIOR TO THE START OF WORK. PROVIDE DOCUMENTATION TO THE OWNER IDENTIFYING ANY FIRE ALARM COMPONENTS NOT CURRENTLY WORKING. IF THIS DOCUMENT IS NOT PROVIDED TO THE OWNER PRIOR TO THE START OF WORK, THE CONTRACTOR IS ACKNOWLEDGING THAT ALL EXISTING SYSTEM COMPONENTS ARE IN PROPER WORKING ORDER.
18. FIRE ALARM SYSTEM DEMOLITION WORK SHALL BE PERFORMED AS SOON AS PRACTICAL IN ORDER TO LEAVE SUFFICIENT TIME DURING CONSTRUCTION TO CORRECT ANY PROBLEMS ENCOUNTERED WITH THE WIRING SYSTEM. THE CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE REMOVAL OF FIRE ALARM DEVICES SHOWN ON DEMOLITION PLAN (TO BE REMOVED) AND TO ASCERTAIN ANY WIRING PROBLEMS OR ILLEGAL T-TAPPING OF HARD WIRED INITIATING AND NOTIFICATION CIRCUITS AS THEY MAY HAVE AN AFFECT ON ALL REMAINING DEVICES. PROVIDE A WRITTEN REPORT TO THE OWNER IDENTIFYING ALL DEFECTIVE DEVICES OR IMPROPER WIRING CONDITIONS.
19. IN FINISHED AREAS WHERE EXISTING SURFACE MOUNTED BACKBOXES, WIREMOLD OR CONDUIT HAVE BEEN REMOVED, PATCH AND PAINT WALLS AND/OR CEILINGS TO MATCH SURROUNDING AREAS. COORDINATE WITH THE ARCHITECT AND OWNER. NEW DEVICES AND RACEWAYS MAY BE MOUNTED AT NEW LOCATIONS.
20. ANY PORTIONS OF EXISTING CEILINGS TO BE REMOVED BY CONTRACTOR FOR INSTALLATION OF THEIR WORK SHALL BE RETURNED TO THEIR ORIGINAL CONDITION. MATCH EXISTING CEILING MATERIAL, PATCH AND PAINT AS REQUIRED. CONTRACTOR SHALL ARCHIVE AND DOCUMENT ALL EXISTING CEILING CONDITIONS ELECTRONICALLY PRIOR TO BEGINNING THE PROJECT. IF ANY DAMAGE IS FOUND THEY SHALL BRING IT TO THE ATTENTION OF THE OWNER IN WRITING PRIOR TO PERFORMING WORK. IF THIS DOCUMENTATION IS NOT PROVIDED THE CONTRACTOR IS ASSUMING THE LIABILITY FOR REPLACING ALL DAMAGED CEILING SYSTEMS DISCOVERED AFTER THE COMPLETION OF THE PROJECT. ALL DAMAGED CEILING SYSTEMS WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE. PROVIDE WRITTEN DOCUMENTATION TO THE OWNER AT THE PRE-CONSTRUCTION MEETING.
21. ALL WALL AND FLOOR PENETRATIONS SHALL BE SLEEVED AND FIREPROOFED.
22. THE CONTRACTOR SHALL COORDINATE PROJECT SCHEDULING WITH THE OWNER TO ACCOMODATE ALL SCHOOL PROGRAMS. THE SCHOOL WILL OCCUPY ONLY AREAS DETERMINED TO BE SAFE AND NOT UNDER CONSTRUCTION PER THE AGREED UPON SCHEDULE. COORDINATE SCHEDULING OF WORK WITH THE OWNER UPON AWARD OF BID.
23. CONTRACTOR SHALL INCLUDE ALL EXPENSES FOR LOCATING AND REPLACING ALL EXISTING END-OF-LINE RESISTORS IN ORDER TO ALLOW EXISTING DEVICES TO BE COMPATIBLE WITH THE NEW SYSTEM AND/OR EXISTING (NEWER) CONTROL PANEL.
24. ALL NEW PULL STATIONS LOCATED NEAR VESTIBULES SHALL BE COORDINATED WITH ARCHITECT/FIRE DEPARTMENT PRIOR TO INSTALLATION. IN SOME CASES, THE FIRE DEPARTMENT MAY REQUIRE DEVICES TO BE INSTALLED WITHIN THE VESTIBULE. INCLUDE ALL ASSOCIATED COST FOR RELOCATION OF DEVICES TO THE VESTIBULE PER THE FIRE DEPARTMENT'S DIRECTION.
25. INITIATING DEVICE, NOTIFICATION APPLIANCE AND SIGNALING LINE CIRCUITS: MEET NFPA 72 REQUIREMENTS.

INITIATING DEVICE CIRCUITS: CLASS A, LEVEL 1.
NOTIFICATION APPLIANCE CIRCUITS: CLASS A, LEVEL 1.
SIGNALING LINE CIRCUITS: CLASS A, LEVEL 1.
INSTALL NO MORE THAN 200 TOTAL ADDRESSABLE DEVICES ON EACH SIGNALING LINE CIRCUIT.
INCLUDE NO MORE THAN 125 INITIATING DEVICES AND 75 MODULES.

26. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER SPECIFICATIONS. INCLUDE ONE LINE RISER DIAGRAMS AND POINT-TO-POINTS. INCLUDE ACTUAL BUILDING WIRING PLANS SHOWING WIRING OF ALL DEVICES. WIRE ALL DEVICES FROM DEVICE-TO-DEVICE. DO NOT INSTALL INTERMEDIATE JUNCTION BOXES FOR T-TAPS.

27. FIRE ALARM CONTRACTOR SHALL BE A LICENSED STATE OF ILLINOIS FIRE ALARM CONTRACTOR HOLDING AT LEAST A NICET LEVEL 2 CERTIFICATION.

28. SYSTEM INSTALLATION SHALL BE TESTED AND CERTIFIED PER NFPA 72 REQUIREMENTS. SYSTEM TESTING MUST BE REVIEWED AND ACCEPTED BY THE LOCAL FIRE DEPARTMENT.

ALL WORK SHALL BE PERFORMED BY THE COLLEGE'S FIRE ALARM INTEGRATOR OF RECORD:
FOR SYSTEM UPDATES, PARTS AND INSTALLATION CONTACT:
BRIAN SCHMID - 600.861.5000 - b.schmid@first-sec.com
FIRST SECURITY SYSTEMS, INC.
1811 HIGH GROVE, SUITE 191, NAPERVILLE, IL 60540

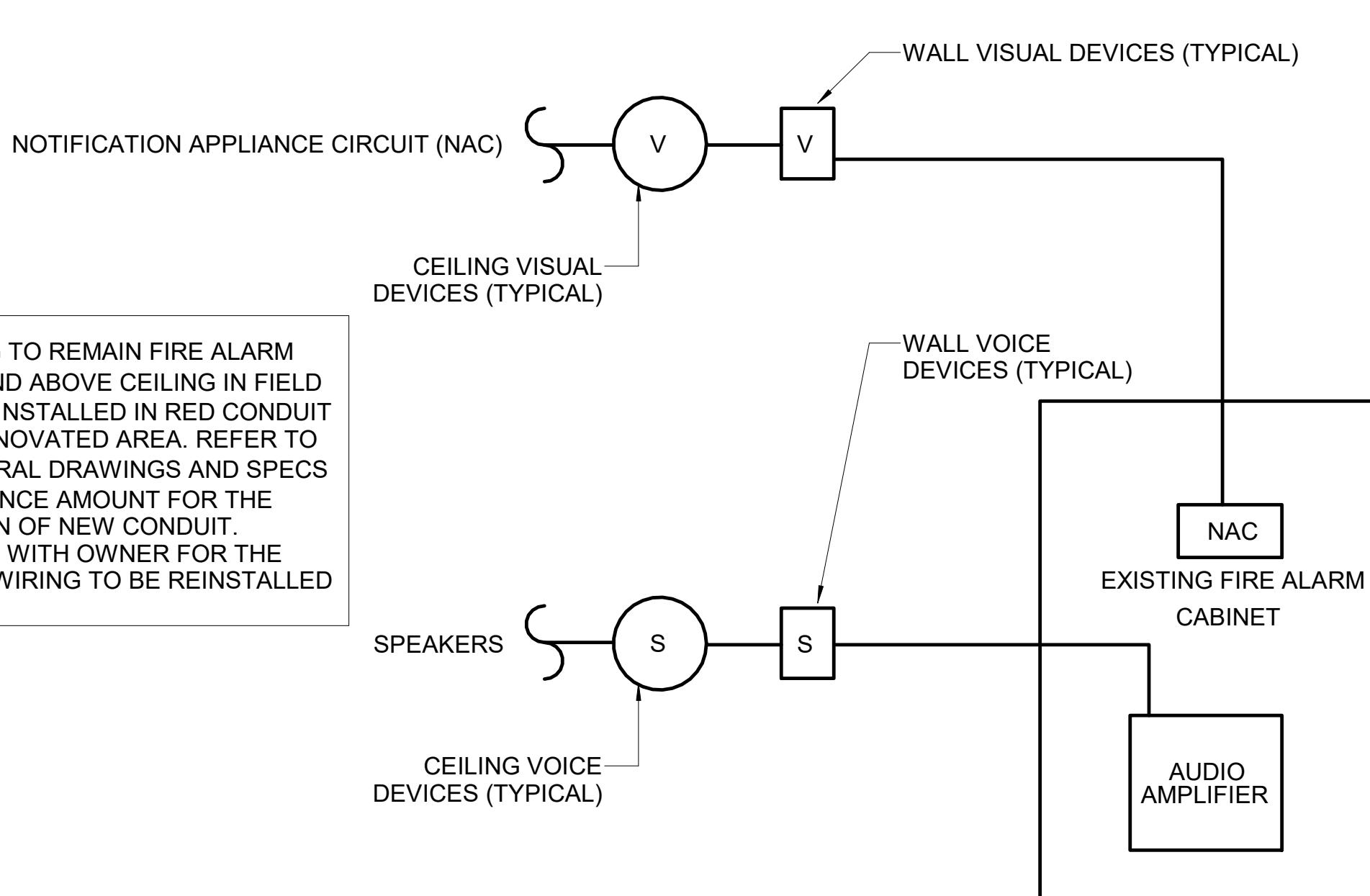
FOR SYSTEM PROGRAMMING CONTACT:
STEPHEN HUPP - 847.217.7509
FIRE SAFETY & SECURITY LIFE CYCLE SALES EXECUTIVE
SIEMENS SMART INFRASTRUCTURE
565 SLAWN CT, MOUNT PROSPECT, IL 60056

UPON COMPLETION OF ALL FIRE ALARM WORK, THE CONTRACTOR SHALL TURN OVER ALL SYSTEM PASSCODES TO THE OWNER FOR SAFEKEEPING. INCLUDE ALL DOCUMENTATION SHOWING TRANSFERRING OF PASSCODES TO THE OWNER.

FIRE ALARM SYSTEM EQUIPMENT SCHEDULE

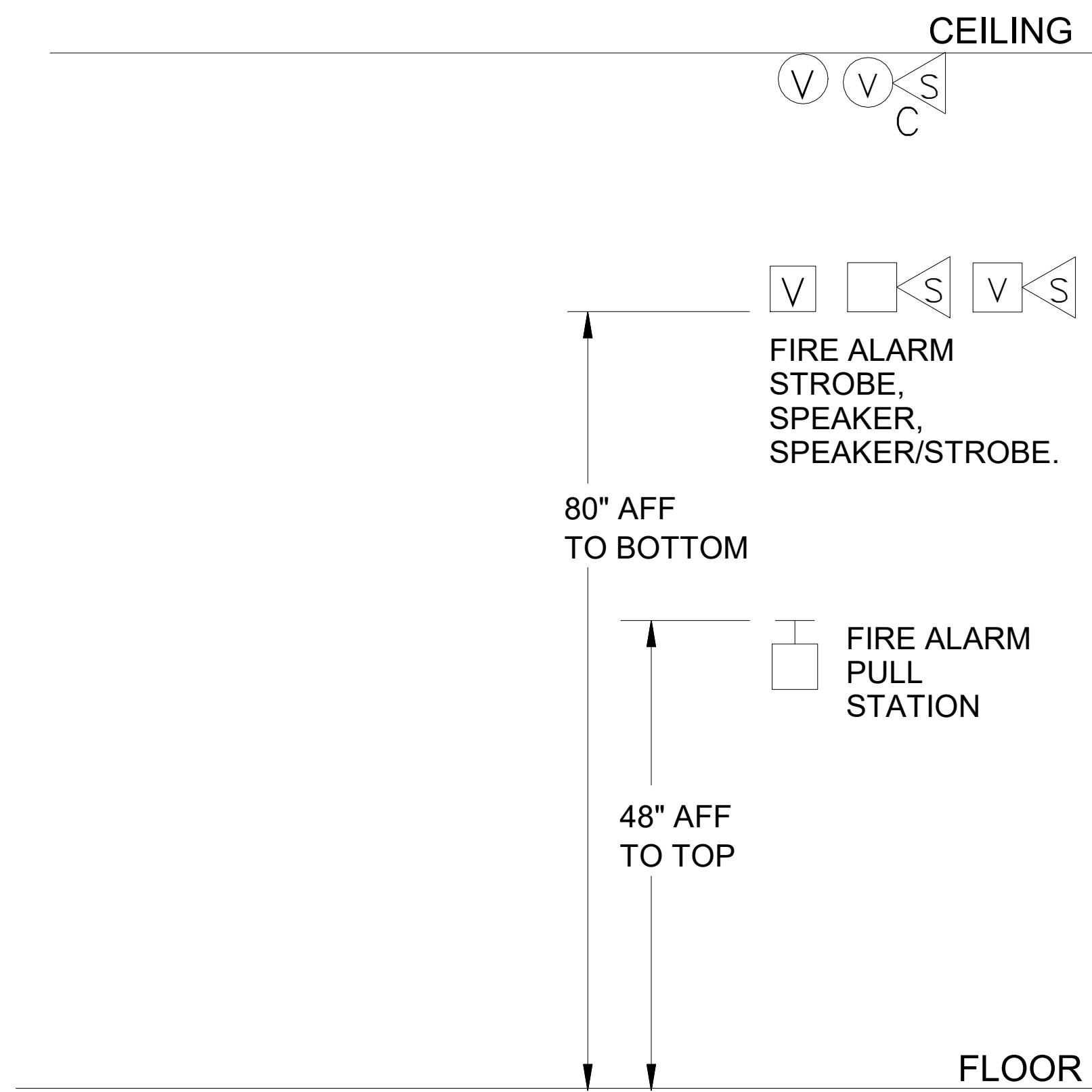
MODEL NUMBER/DESCRIPTION:
001841 SIEMENS ADDRESSABLE SMOKE DETECTOR WITH DB-11 BASE
SC-ST-WR-F SIEMENS AGEND STROBE, WALL MOUNT
SC-SS-CR-F SIEMENS AGEND SPEAKER-STROBE, CEILING MOUNT
PAD-4 SIEMENS NOTIFICATION POWER SUPPLY

ALL EXISTING FIRE ALARM WIRING FOUND ABOVE CEILING IN FIELD SHALL BE REINSTALLED IN RED CONDUIT INTO THE RENOVATED AREA. REFER TO ARCHITECTURAL DRAWINGS AND SPECS FOR ALLOWANCE AMOUNT FOR THE INSTALLATION OF NEW CONDUIT. COORDINATE WITH OWNER FOR THE AMOUNT OF WIRING TO BE REINSTALLED IN CONDUIT.



1 EXISTING FIRE ALARM RISER DIAGRAM

NOT TO SCALE

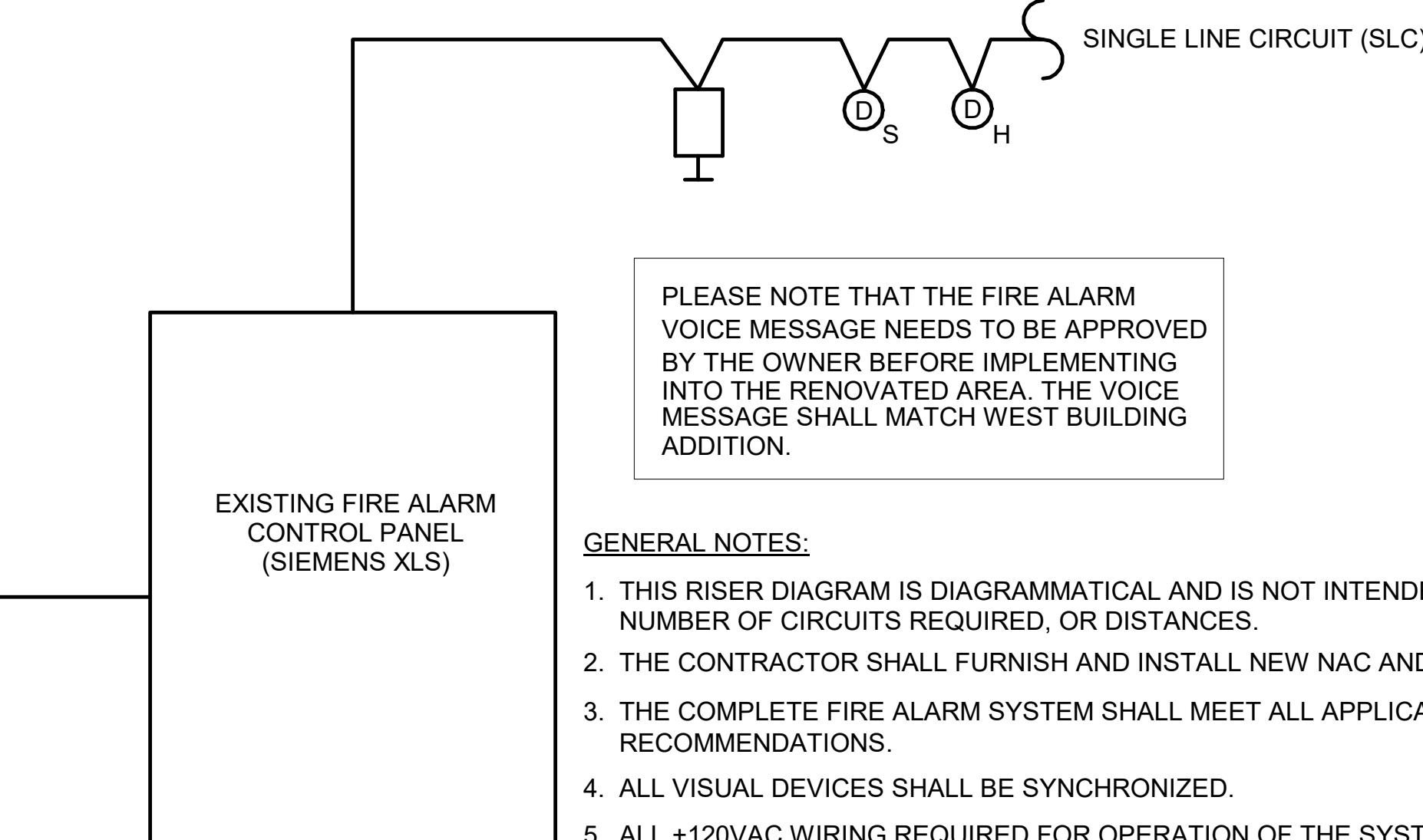
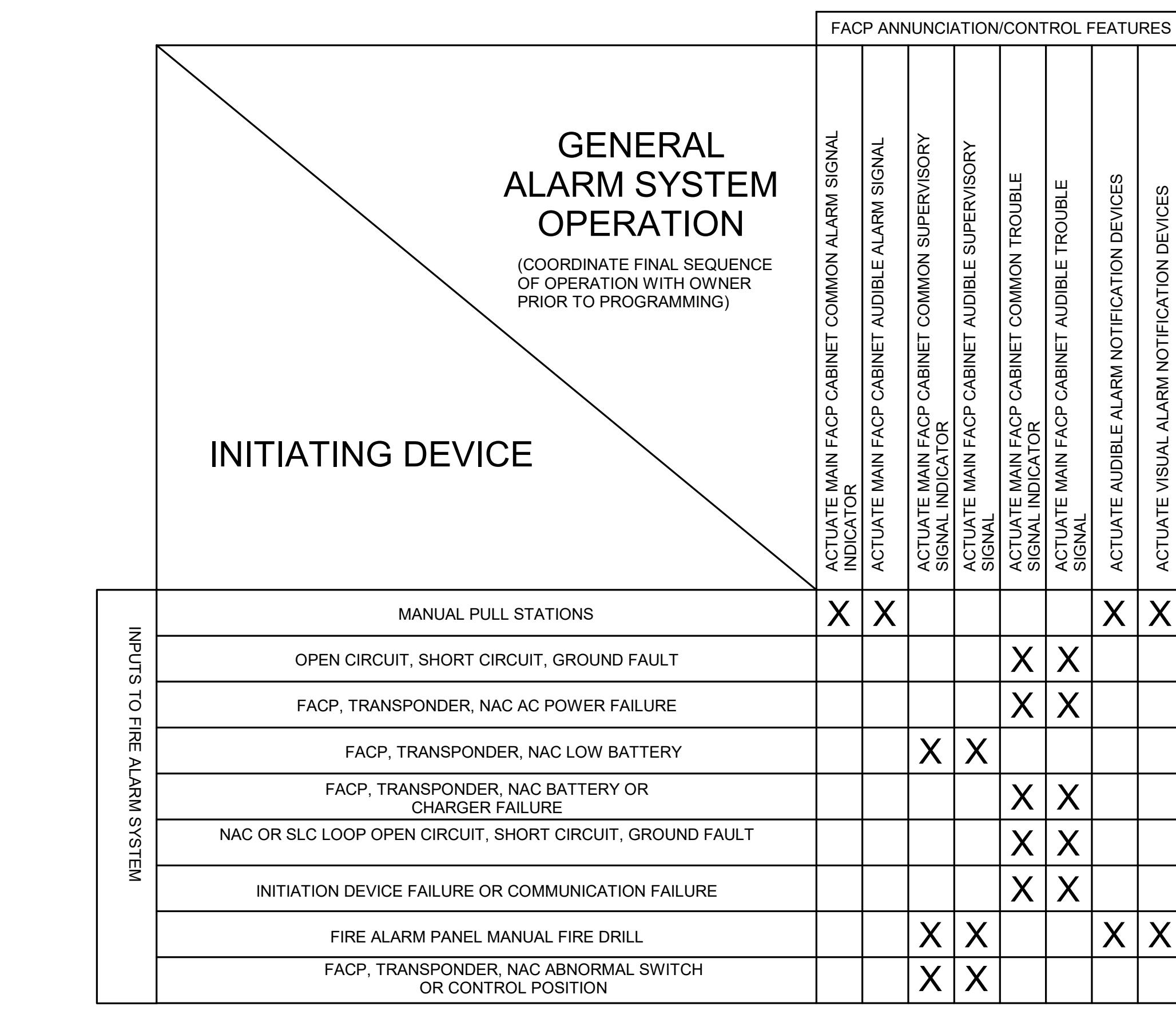


NOTES:

- ALIGN DEVICES VERTICALLY WHERE POSSIBLE.
- DEVICE BACK BOXES SHALL MATCH FACEPLATE CONFIGURATION (I.E. SINGLE-GANG, TWO-GANG, ETC...).
- REFER TO GENERAL ELECTRICAL AND FIRE ALARM NOTES FOR ADDITIONAL INFORMATION.

2 FIRE ALARM MOUNTING DETAIL

NOT TO SCALE



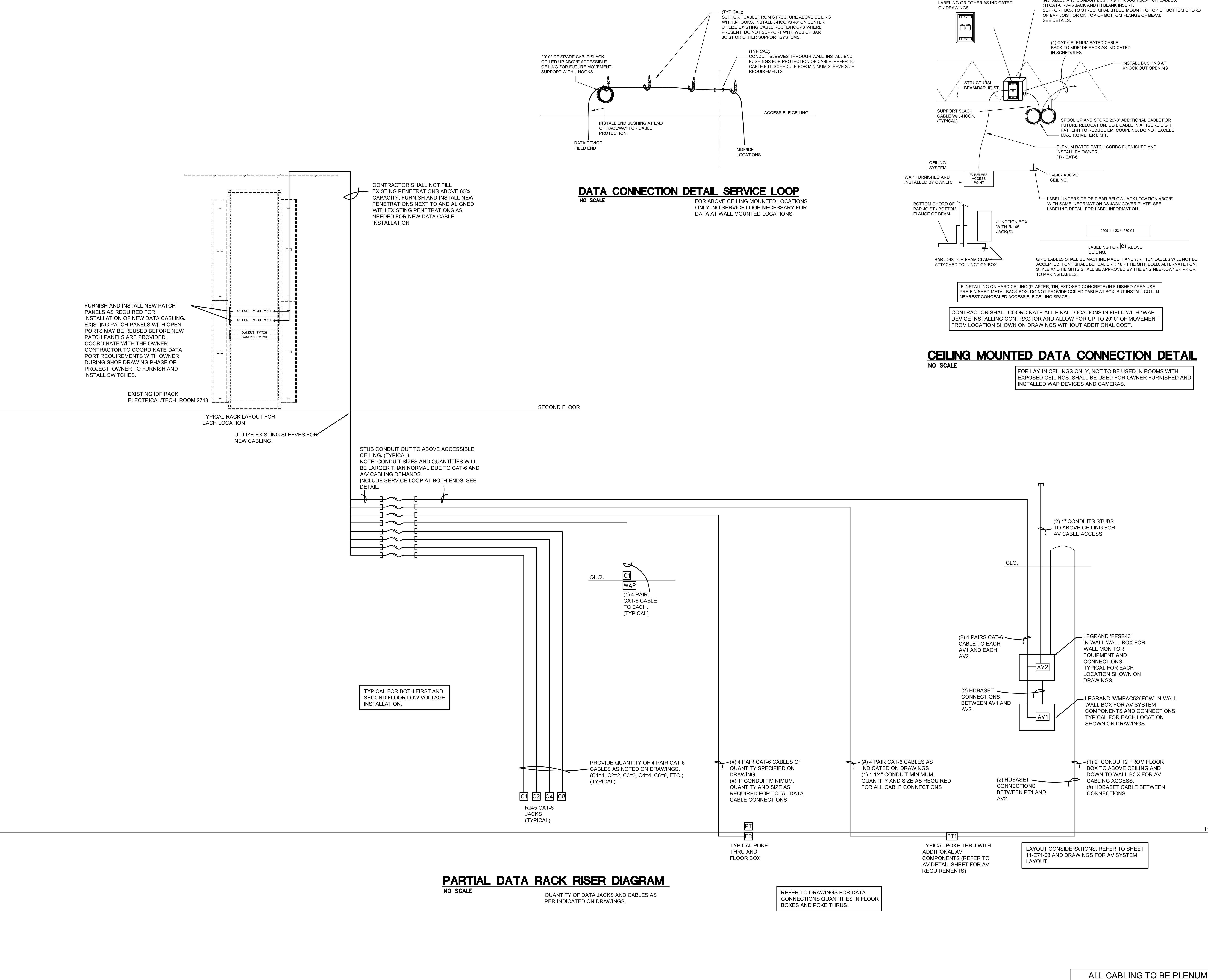
GENERAL NOTES:

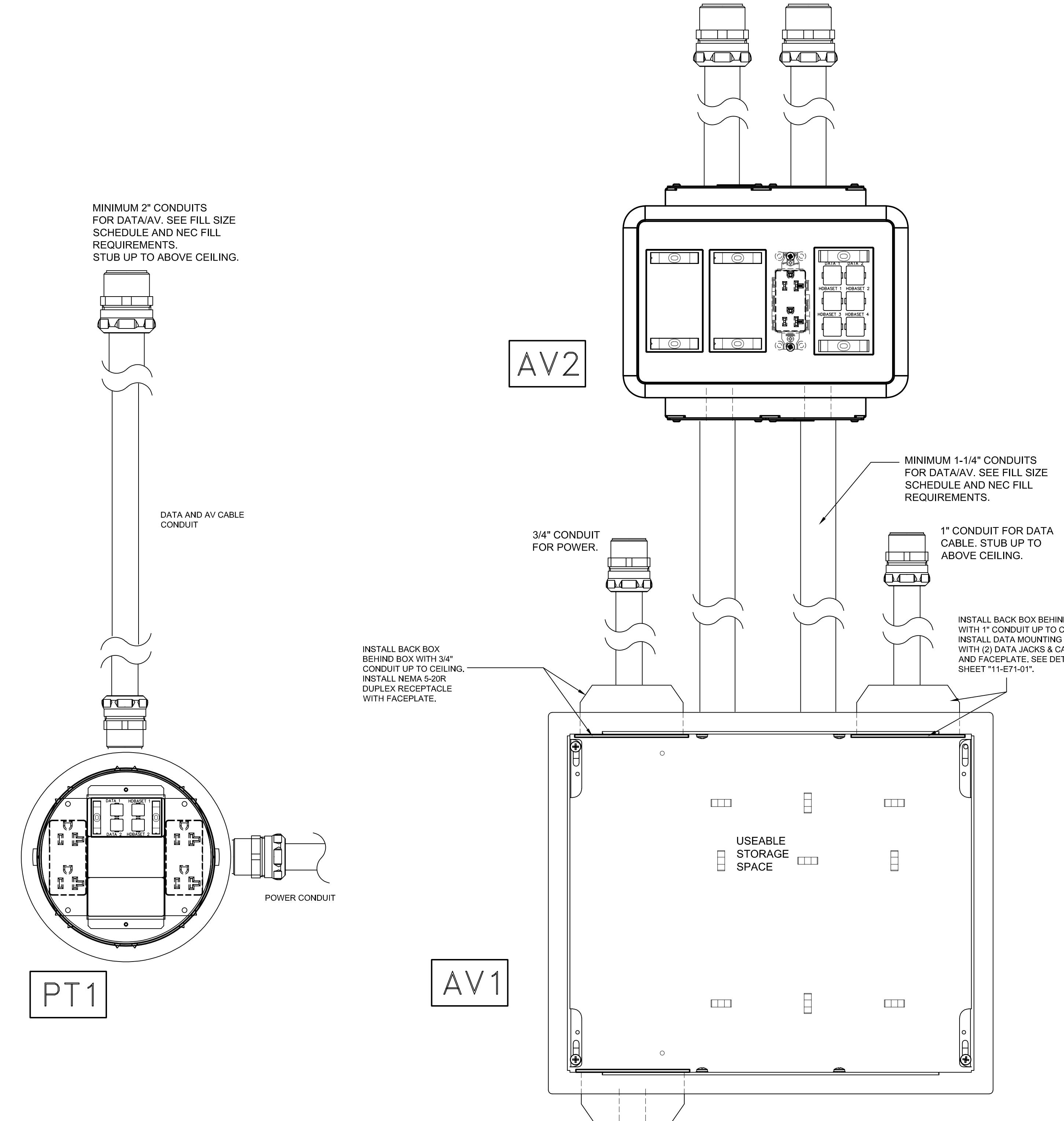
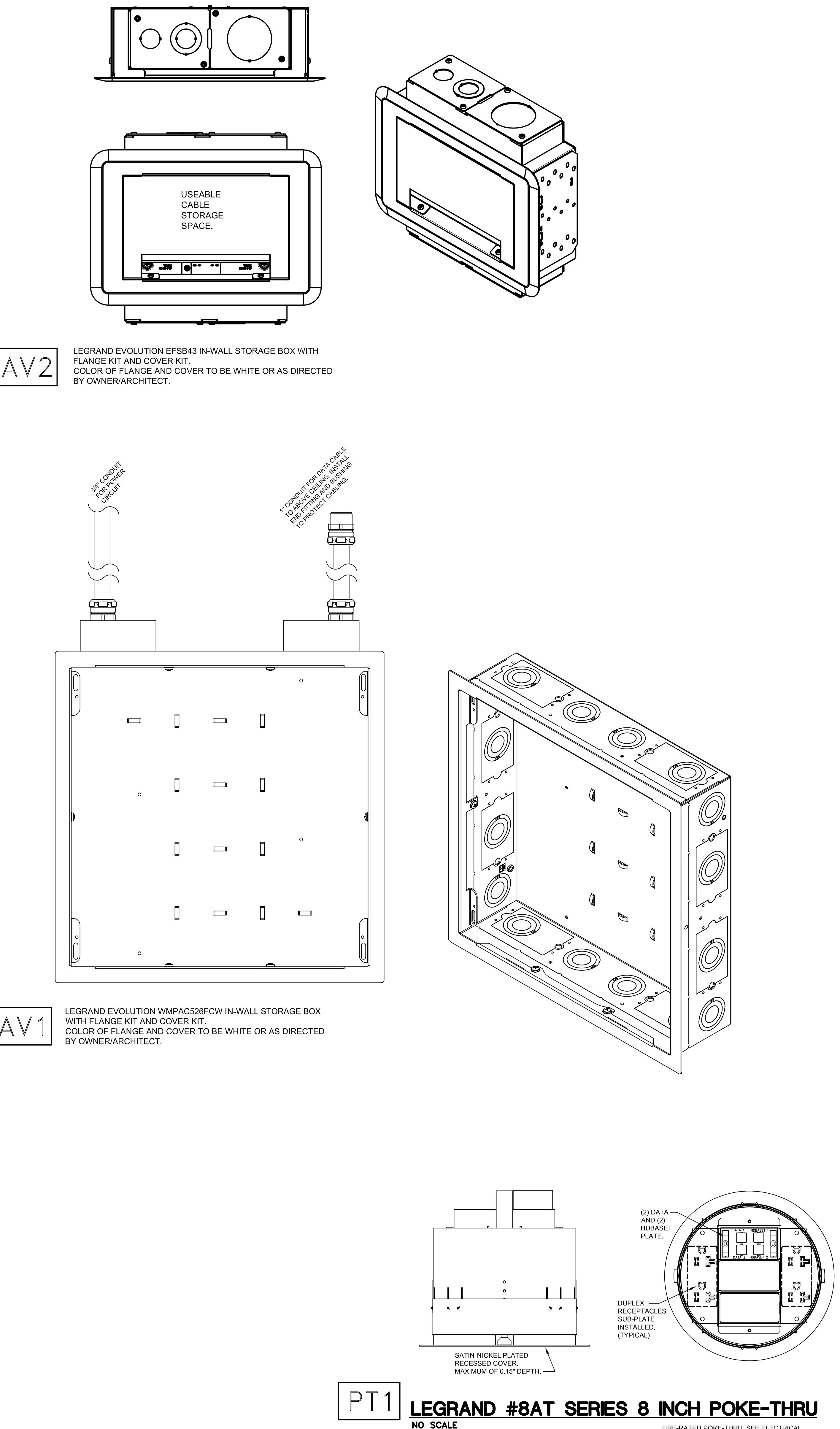
1. THIS RISER DIAGRAM IS DIAGRAMMICAL AND IS NOT INTENDED TO REFLECT QUANTITIES, THE NUMBER OF CIRCUITS REQUIRED, OR DISTANCES.
2. THE CONTRACTOR SHALL FURNISH AND INSTALL NEW NAC AND AMP PANELS AS REQUIRED.
3. THE COMPLETE FIRE ALARM SYSTEM SHALL MEET ALL APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
4. ALL VISUAL DEVICES SHALL BE SYNCHRONIZED.
5. ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM SHALL BE CONNECTED TO LOCAL 120V EMERGENCY POWER PANEL AND PROVIDED BY THE ELECTRICAL CONTRACTOR AS REQUIRED.
6. ALL NECESSARY RELAYS MAY NOT BE SHOWN IN THESE PLANS, BUT WHERE REQUIRED FOR PROPER OPERATION OF THE SYSTEM THEY SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
7. ALL WIRING SHALL BE INSTALLED IN RED CONDUIT ABOVE CEILINGS.
8. ALL ROUGH-IN FOR FIRE ALARM DEVICES SHALL BE FLUSH MOUNTED IN WALLS, CUT, PATCH, AND PAINT AS REQUIRED. NO EXPOSED RACEWAYS WILL BE ALLOWED UNLESS APPROVED BY THE ARCHITECT AND OWNER IN WRITING.

1 ISSUED FOR BID
15 DEC 25
MARK ISSUE DATE
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FIRE ALARM NOTES AND DETAILS
SHEET NUMBER

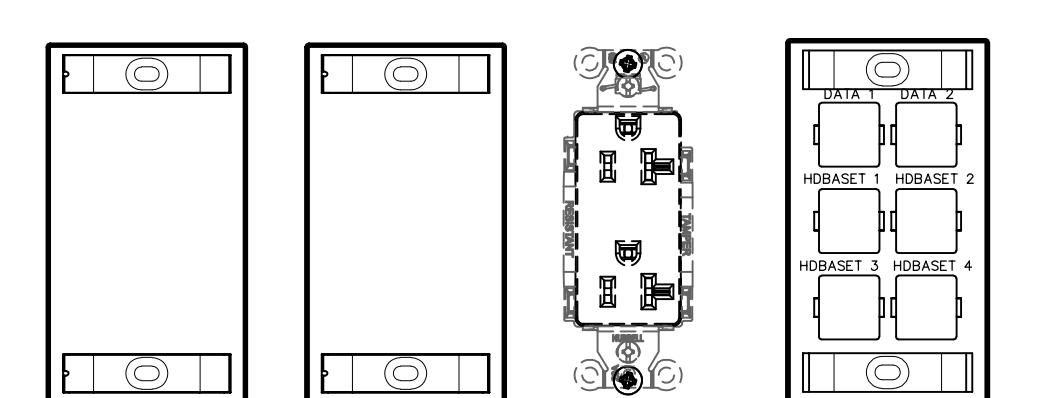
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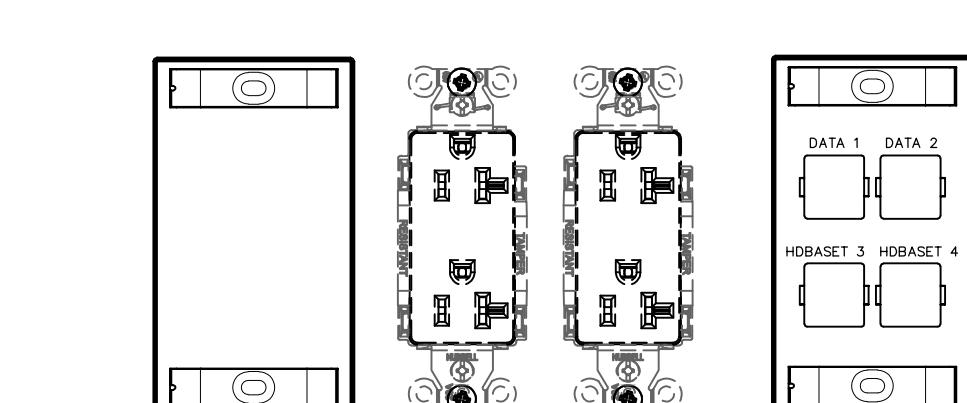


**TYPICAL WALL BOX AND POKE THRU LAYOUT:
LEGRAND IN-WALL 'AV1' STORAGE BOX AND
IN WALL 'AV2' DISPLAY CONNECTION BOXES**

NO SCALE



AV WALL BOX DEVICES
NO SCALE



AV STORAGE WALL BOX
NO SCALE

ALL CABLING TO BE PLENUM RATED.

PROJECT
ADJACENCIES
RENOVATIONS - PHASE
2A - OSA AND
WORKFORCE TRAINING

DES PLAINES CAMPUS
1600 EAST GOLF ROAD
DES PLAINES, IL, 60016



ISSUED FOR BID DECEMBER 5, 2025

KEYPLAN

ISSUE CHART

1 ISSUED FOR BID
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TECHNOLOGY NOTES
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