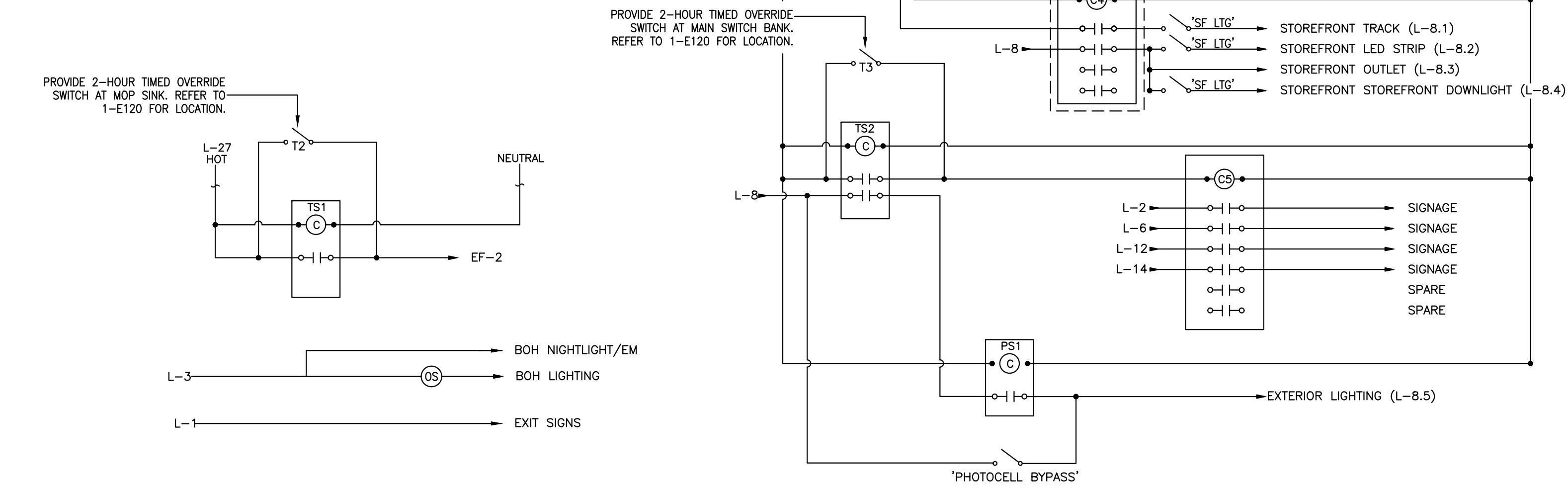


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CURRENT LIMITING SCHEDULE					
CL	CIRCUIT	LOAD	AMPS	RATED WATTS	CONNECTED LOAD
1	L-15	TRACK LIGHT	12	1440	1092.00
2	L-17	TRACK LIGHT	4	480	384.00
3	L-19	TRACK LIGHT	9	1080	814.00
4	L-21	TRACK LIGHT	9	1080	833.00
5	L-23	TRACK LIGHT	8	960	743.00
6	L-8.1	TRACK LIGHT	5	600	460.00



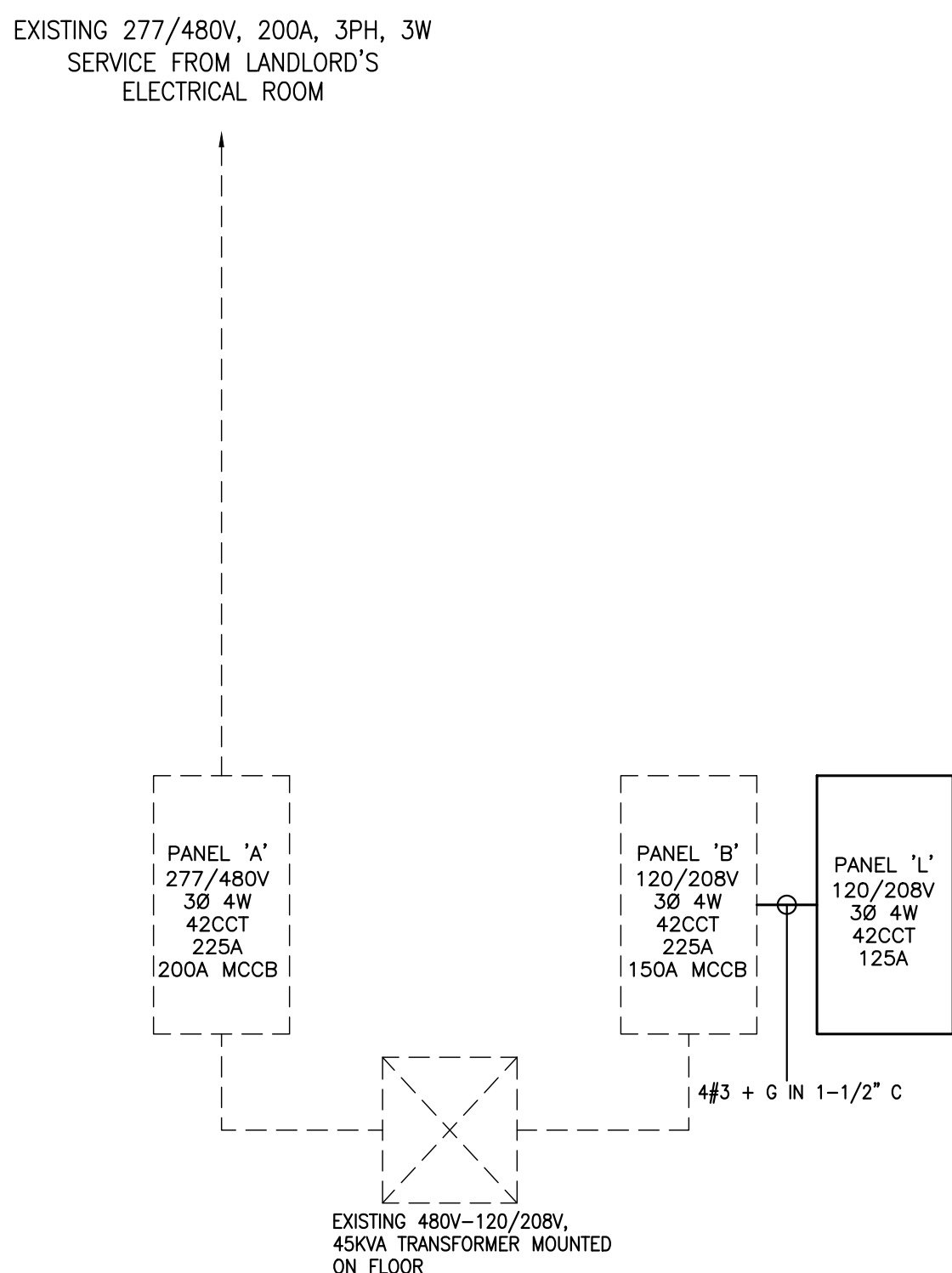
1 LIGHTING CONTROL DIAGRAM

N.T.S.

LEGEND	
—	NEW
---	EXISTING/RELOCATED ELECTRICAL EQUIPMENT
X - - X - -	EXISTING TO BE REMOVED

3 SINGLE LINE DIAGRAM

N.T.S.



LIGHTING CONTROL SCHEMATIC NOTES:

- THIS DETAIL IS SCHEMATIC IN NATURE. PROVIDE ALL NECESSARY WIRING, CONDUIT, DEVICES, BOXES, ETC FOR A COMPLETE OPERATING LIGHTING SYSTEM. SEE LIGHTING PLAN FOR LOCATION OF CONTROL EQUIPMENT.
- CONTACTORS**
PROVIDE SQUARE D MODEL #8903 (OR EQUIVALENT) ELECTRICALLY HELD CONTACTOR WITH POLE QUANTITY AS INDICATED.
- TIME CLOCK**
PROVIDE TORK MODEL #EW2201C (DIGITAL, 2 CHANNEL, SPST). COORDINATE TIME SCHEDULE WITH OWNER AND LANDLORD (AS REQUIRED).
- 2-HOUR TIMED OVERRIDE // MANUAL ON SWITCH - "T1", "T2", "T3"**
PROVIDE TORK MODEL #SS403 TIME BASED CONTROL TIME SWITCH FOR LIGHTING SYSTEM/EXHAUST FAN OVERRIDE. PROGRAM TIME SWITCH IN THE FIELD TO A 2-HOUR OVERRIDE AND SET TIME SCROLL TO DOWN. LABEL SWITCH IN FIELD (DISPLAY LIGHTING OVERRIDE)/(MOP SINK FAN OVERRIDE)
- CURRENT LIMITING PANEL**
PROVIDE COOPER GREENGATE TRACKKEEPER MODEL #TK16-120-B-S. REFER TO CURRENT LIMITING BREAKER SCHEDULE ON SHEET E-010 FOR CIRCUIT BREAKER RATINGS.

LIGHTING CONTROL TESTING REQUIREMENTS:

PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS.

OCCUPANT SENSOR CONTROLS:

THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- EACH SENSOR SHALL BE TESTED.
- FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE CODE OFFICIAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE OF THE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATIONS SHALL BE TESTED.
- FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:
 - WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.
 - THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
 - FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.
 - FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
 - THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

TIME CLOCK CONTROLS:

WHERE TIME CLOCK CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

- CERTIFY THAT THE TIME CLOCK CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
- PROVIDE DOCUMENTATION TO THE OWNER OF TIME CLOCK CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
- VERIFY THE CORRECT TIME AND DATE IN THE TIME CLOCK.
- VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
- VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
- SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
 - ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
 - THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
 - SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
 - NONEXEMPT LIGHTING TURNS OFF.
 - MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.

PHOTO SENSOR:

PROVIDE A PHOTOCELL ON ROOF, FACING NORTH FOR EXTERIOR LIGHTING.

DOCUMENTATION REQUIREMENTS:

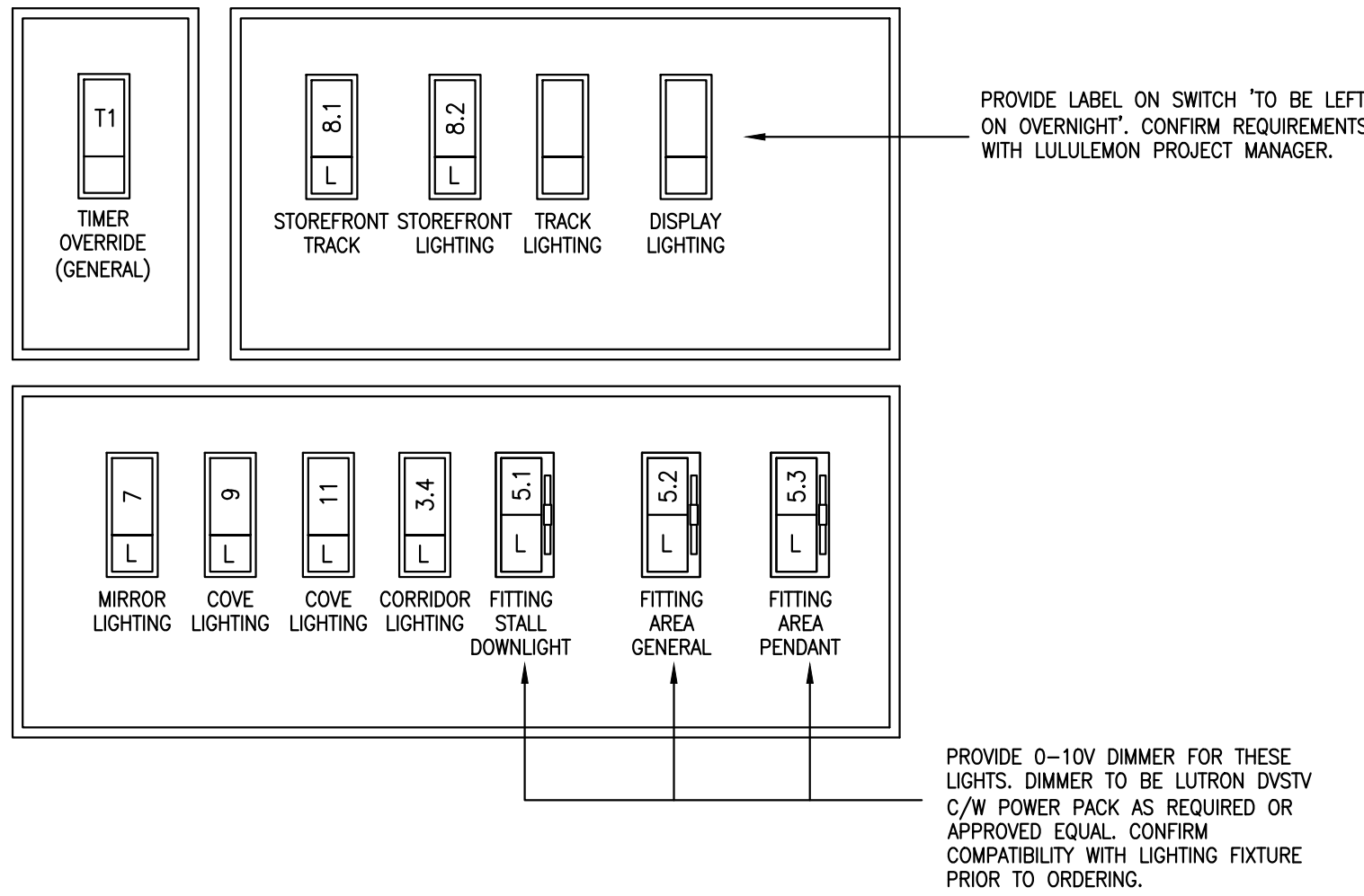
DOCUMENTS CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET DOCUMENTED PERFORMANCE CRITERIA ARE TO BE PROVIDED TO THE BUILDING OWNER WITHIN 90 DAYS FROM THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

LIGHTING SWITCH BANK NOTES:

- EACH TOGGLE SWITCH MUST BE LIGHTED TOGGLE TYPE SWITCH, FACTORY WIRED TO ILLUMINATE WHEN LOAD IS ON. PROVIDE NEUTRAL CONNECTION TO EACH SWITCH AS NECESSARY.
- PROVIDE EACH SET OF SWITCHES IN MULTI-GANG OUTLET BOX WITH SINGLE COVERPLATE. PROVIDE LABEL ABOVE EACH SWITCH WITH DESCRIPTION OF LIGHTING CONTROLLED AS INDICATED.
- DIMMER SWITCHES LOCATED AT SALES LIGHTING SWITCH BANK FOR CONTROL OF DIMMED LIGHTS.

0-10V:

LUTRON #DVSTV-WH
LOAD RATING: 8 AMPS
FOR LOADS MORE THAN 8A, USE DVTV W/ LUTRON PP-DV POWER PACK.
CONFIRM COMPATIBILITY OF DIMMERS WITH LIGHTING FIXTURE(S) TO BE USED PRIOR TO ORDERING.



2 SWITCH BANK DETAIL

N.T.S.

1 CODED SINGLE LINE DIAGRAM NOTES

- EXISTING TRANSFORMER TO BE REMOVED AND REINSTALLED SUSPENDED AT HIGH LEVEL.

RISER DIAGRAM GENERAL NOTES

- HVAC CIRCUIT BREAKERS TO BE "HACK" TYPE WHERE REQUIRED BY EQUIPMENT NAMEPLATE PER CEC.
- FIELD VERIFY EXACT AIC RATING OF LANDLORD'S DISTRIBUTION EQUIPMENT. FURNISH AND INSTALL TENANTS ELECTRICAL SYSTEM TO MATCH AS NECESSARY.
- BALANCE ALL PANELBOARDS AND ELECTRICAL EQUIPMENT UNDER LOAD CONDITIONS TO +/- 10% BETWEEN PHASES; A/B, B/C, A/C REGARDLESS OF CIRCUITING INDICATED.
- PROPER CLEARANCE MUST BE MAINTAINED ABOUT ELECTRICAL EQUIPMENT PER CEC. FIELD VERIFY EXACT MOUNTING SPACE AVAILABLE IN ELECTRICAL ROOM/AREA PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT.
- MAKE ALL FINAL ELECTRICAL CONNECTIONS FOR A COMPLETE ELECTRICAL DISTRIBUTION SYSTEM.
- TENANT'S NAME AND SPACE SHALL BE ENGRAVED ON A BAKELITE PLATE WITH 1" HIGH LETTERS. SCREW FASTEN TO THE METER SOCKET AND DISCONNECT SWITCH/CIRCUIT BREAKER AT THE SERVICE DISTRIBUTION POINT.
- ALL CONNECTIONS TO LANDLORD'S SERVICE EQUIPMENT SHALL BE AS DIRECTED BY LANDLORD'S SITE REPRESENTATIVE. PROVIDE ALL TERMINATION EXPENSES.
- TENANT'S ELECTRICAL SYSTEM SHALL BE GROUNDED TO THE BUILDING'S MAIN GROUNDING SYSTEM.
- ALL EQUIPMENT TO BE U.L.C. LISTED OR EQUIVALENT.
- INSTALL ALL EQUIPMENT TO MEET SEISMIC CRITERIA AT THE SITE AS NECESSARY. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



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LICENSED NAME, ARCHITECT

REVISED PER CITY COMMENTS

09/16/2025

DATE	DESCRIPTION
07/29/2025	ISSUED FOR CD REVIEW
08/25/2025	ISSUED FOR PERMIT & BID
09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION

PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

LIGHTING CONTROL AND SINGLE LINE DIAGRAM

DRAWING NUMBER

E012



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09/16/2025

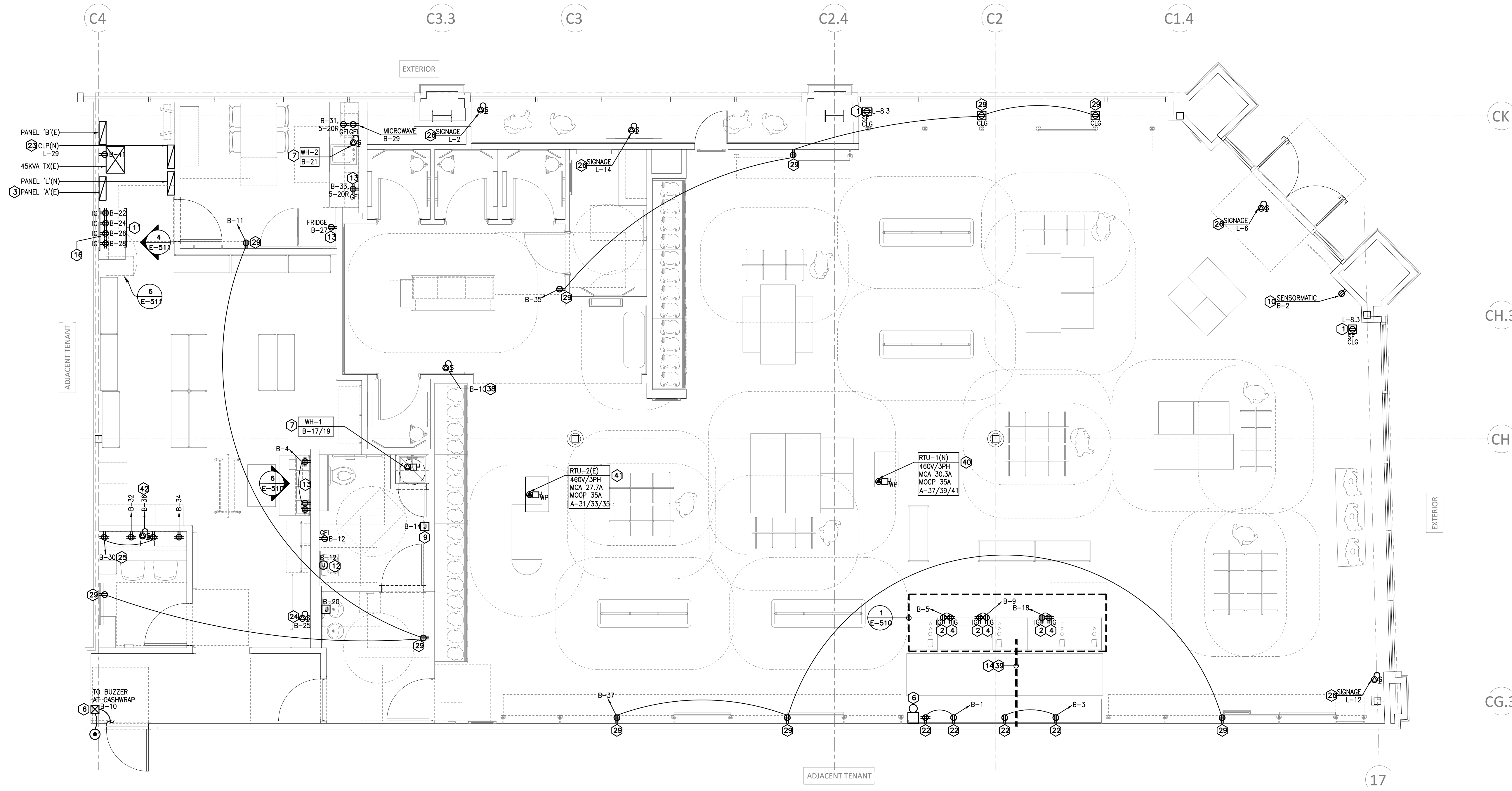
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1 09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION
PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

ELECTRICAL POWER PLAN

DRAWING NUMBER

E110





Lululemon

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LICENSED NAME, ARCHITECT

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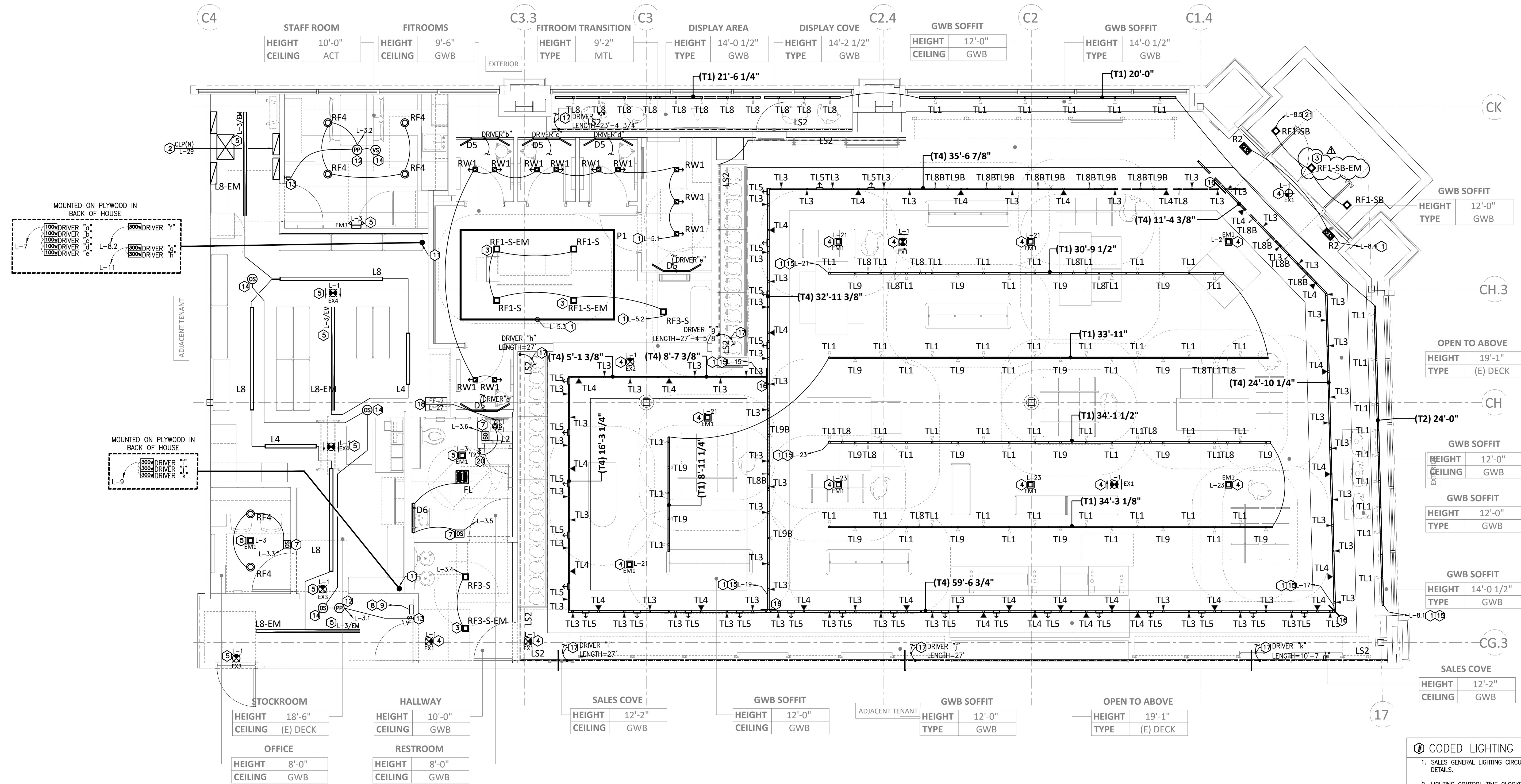
DRAWING INFORMATION

PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

**ELECTRICAL
LIGHTING PLAN**

DRAWING NUMBER

E120



CODED LIGHTING NOTES

1. SALES GENERAL LIGHTING CIRCUIT CONTROLLED BY SWITCH. REFER TO LIGHTING CONTROL DIAGRAM/SWITCH BANK ON E-012 FOR DETAILS.
2. LIGHTING CONTROL TIME CLOCKS AND CONTACTORS. REFER TO DETAIL "1" ON SHEET E-012 FOR ADDITIONAL INFORMATION. VERIFY LOCATION PRIOR TO BID. IF SUFFICIENT WALL SPACE IS AVAILABLE NEXT TO ELECTRICAL PANELS, INSTALL CURRENT LIMITING PANEL NEXT TO THE ELECTRICAL PANELS INSTEAD.
3. EMERGENCY / EXIT LIGHT CIRCUIT - SALES AREA:
CONNECT DESIGNATED LIGHT FIXTURES TO INDICATED LIGHTING CIRCUIT TO PROVIDE EMERGENCY ILLUMINATION. FIXTURES TO BE SWITCHED AS SHOWN IN DETAIL "1" ON SHEET E-012. BATTERY BACKUP SHALL CONNECT TO CIRCUIT AHEAD OF ALL SWITCHING.
4. EMERGENCY / EXIT LIGHT CIRCUIT - NON-SALES AREA:
CONNECT DESIGNATED LIGHT FIXTURES TO INDICATED CIRCUIT TO PROVIDE EMERGENCY ILLUMINATION. ALL EXIT SIGNS AND NORMALLY-OFF EMERGENCY FIXTURES SHALL CONNECT TO CIRCUIT AHEAD OF ALL SWITCHING.
5. EMERGENCY / EXIT LIGHT CIRCUIT - NON-SALES AREA:
CONNECT EMERGENCY BALLAST TO LOCAL LIGHTING CIRCUIT, AHEAD OF LOCAL SWITCHING, TO PROVIDE CONTINUOUS EGRESS, SECURITY AND EMERGENCY ILLUMINATION.
6. EMERGENCY / EXIT LIGHT CIRCUIT - NON-SALES AREA:
CONNECT DESIGNATED LIGHT FIXTURES TO INDICATED LIGHTING CIRCUIT TO PROVIDE EMERGENCY ILLUMINATION. FIXTURES TO BE SWITCHED AS SHOWN IN DETAIL "1" ON SHEET E-012. BATTERY BACKUP SHALL CONNECT TO CIRCUIT AHEAD OF ALL SWITCHING.
7. OCCUPANCY MOTION SENSOR SWITCH MOUNTED @ 42" AFF. VERIFY EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN. COORDINATE WITH WALL FINISH & TRIM DESIGN. MOTION SENSOR SHALL BE EQUAL OR SIMILAR TO SENSOR SWITCH MODEL #: WSK-POT. SET FOR 10 MINUTE OFF DELAY.
8. MASTER LIGHTING SWITCH BANK:
PROVIDE GANGED SWITCH LOCATION FOR LOCAL LIGHTING SWITCHES. PROVIDE UNDER COMMON FACEPLATE OR MULTIPLE FACEPLATES OF EQUAL WIDTHS. REFER TO DETAIL "2" ON SHEET E-012 FOR ADDITIONAL INFORMATION.
9. GENERAL LIGHTING TIMED OVERRIDE SWITCH. REFER TO DETAIL "1" & "2" ON SHEET E-012 FOR ADDITIONAL INFORMATION.
10. WALL-MOUNTED DIMMING VACANCY SENSOR/MANUAL ON SWITCH MOUNTED @ 42" AFF. VERIFY EXACT LOCATION IN FIELD PRIOR TO ROUGH-IN. COORDINATE WITH WALL FINISH & TRIM DESIGN.
11. LOCATION OF REMOTE LED DRIVERS FOR SALES LED STRIP/WALLWASH LIGHTING, FITTING ROOM MIRRORS, AND FITTING ROOM VALANCE LIGHTING. APPROXIMATE QUANTITIES: SEE LIGHTING FIXTURE SCHEDULE ON SHEET E-121 FOR ADDITIONAL INFORMATION ABOUT LOCATION, LENGTH OF LED'S, AND ADDITIONAL REQUIREMENTS. MOUNT DRIVERS AT 10'-0" A.F.F. ON A PLYWOOD BACKBOARD. PROVIDE ALL WIRING FOR A COMPLETE AND OPERATIONAL SYSTEM. MINIMUM WIRE SIZE BETWEEN LIGHT FIXTURE AND LED DRIVER SHALL BE DETERMINED BY VOLTAGE DROP CALCULATIONS BY CONTRACTOR. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROPERLY CONNECT ALL LED LIGHTING PER C.E.C. AND PROVINCIAL CODES.
12. FURNISH AND INSTALL CEILING MOUNTED POWER PACK WITH DIMMING CAPABILITY (ACUTY NFP16-D).
13. FURNISH & INSTALL WALL MOUNTED, LOW VOLTAGE DIMMING SWITCH (ACUTY NP0DM-DX) FOR MANUAL ON & MULTI-LEVEL CONTROL OF LIGHTING IN THIS AREA.
14. FURNISH AND INSTALL CEILING MOUNTED VACANCY SENSOR (ACUTY NCMB-POT-10). VACANCY SENSORS SHALL AUTOMATICALLY SHUT OFF LIGHTING WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
15. FURNISH AND INSTALL NEW EATON TRACKKEEPER CURRENT LIMITING PANEL MODEL #: TK16-120-X-S. FURNISH AND INSTALL CURRENT LIMITING BREAKERS IN PANEL. SEE CURRENT LIMITING BREAKERS SCHEDULE ON SHEET E-012 FOR CIRCUITS AND CURRENT LIMITING BREAKER SIZES.
16. BREAK LINE FOR BREAKING TRACK INTO MULTIPLE CIRCUITS. COORDINATE EXACT LOCATION IN FIELD.
17. REFER TO COVE & VALENCE SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION ABOUT VOLTAGE DROP. MAX SOL/FT PER POWER FEED. TOTAL COMBINED LENGTH NOT TO EXCEED 54'-6" PER 300W DRIVER.
18. MOP SINK CONTROLLED TO BE CONTROLLED BY SCHEDULE C/W TIMER OVERRIDE. REFER TO LIGHTING CONTROL DIAGRAM FOR DETAILS.
19. COORDINATE INSTALLATION OF TRANSFER FAN "T1" WITH MECHANICAL. PROVIDE LINE VOLTAGE POWER AND THERMOSTAT-CONTROLLED WIRING AS REQUIRED BY MECHANICAL.
20. SPRING WOUND TIMED OVERRIDE SWITCH FOR MOP SINK EXHAUST FAN "T2". PROVIDE LABEL "EXHAUST FAN OVERRIDE".
21. EXTERIOR LIGHTING TO BE CONTROLLED BY TIME CLOCK & PHOTO CELL. REFER TO LIGHTING CONTROL DIAGRAM E-012 FOR DETAILS.

GENERAL LIGHTING NOTES

- A. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS.
- B. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
- C. EMERGENCY AND EXIT LIGHTS SHALL BE INSTALLED AND CIRCUITED PER THE LATEST NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES.
- D. ELECTRICAL CONTRACTOR IS TO ENSURE ACCESSIBILITY IS MAINTAINED PER N.E.C. REQUIREMENTS AN LOCAL CODES.
- E. ALL EQUIPMENT TO BE U.L. LISTED OR EQUIVALENT.
- F. ALL LOW VOLTAGE WIRING MUST BE RUN IN CONDUIT CONCEALED IN WALLS (IF REQUIRED BY CODE). PLENUM RATED WIRING MAY BE RUN CONCEALED ABOVE CEILING WHEN ALLOWED BY THE LOCAL A.H.J.
- G. ALL EXPOSED CONDUIT MUST BE RUN STRAIGHT AND PARALLEL/PERPENDICULAR TO STRUCTURE. RUN CONDUIT ADJACENT TO EXISTING STRUCTURE OR ROOF DECK WHERE POSSIBLE.
- H. REVIEW ANY QUESTIONS REGARDING INSTALLATION WITH LULULEMON PROJECT MANAGER.
- I. CABLE, RACEWAY, OR BOX INSTALLED IN EXPOSED OR CONCEALED LOCATIONS UNDER METAL-CORRUGATED SHEET ROOF DECKING SHALL BE INSTALLED AND SUPPORTED SO THERE IS NOT LESS THAN 1-1/2" MEASURED FROM THE LOWEST SURFACE OF THE ROOF DECKING TO THE TOP OF THE CABLE, RACEWAY, OR BOX. A CABLE, RACEWAY, OR BOX SHALL NOT BE INSTALLED IN CONCEALED LOCATIONS IN METAL-CORRUGATED, SHEET DECKING-TYPE ROOF.
- J. INFORMATION ON THIS SHEET PERTAINING TO THE EXISTING ELECTRICAL SYSTEM IS BASED ON RECORD DRAWINGS AND SITE INFORMATION AVAILABLE AT THE TIME OF DESIGN. FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT AND ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- K. DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.
- L. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER, OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN THEIR BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER, OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTOR'S COST.
- M. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ORDINANCE WITH GOVERNING CODES. THE PLANS AND SPECIFICATIONS NOT WITHSTANDING, THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

**COVE & VALENCE LIGHTING
VOLTAGE DROP WIRE SIZE CHART**

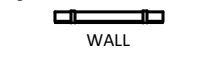
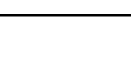
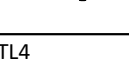
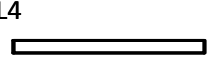
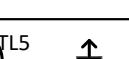
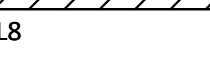
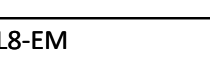
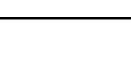
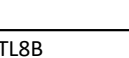
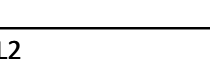
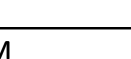
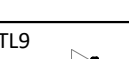
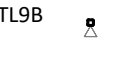
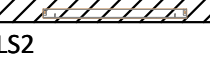
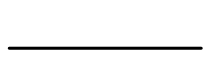
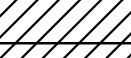
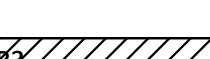
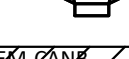
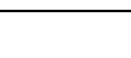
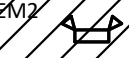
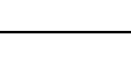
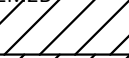
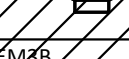
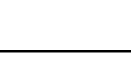
WIRE GAUGE	LED DRIVER SIZE / MAXIMUM DISTANCE IN FEET					
	20W	40W	60W	96W	150W	300W
18 AWG	210 ft.	105 ft.	70 ft.	46 ft.	28 ft.	14 ft.
16 AWG	330 ft.	175 ft.	51 ft.	70 ft.	46 ft.	23 ft.
14 AWG	525 ft.	260 ft.	82 ft.	115 ft.	75 ft.	36 ft.
12 AWG	830 ft.	420 ft.	130 ft.	175 ft.	120 ft.	58 ft.
10 AWG	1300 ft.	650 ft.	206 ft.	285 ft.	185 ft.	94 ft.
8 AWG	2016 ft.	1025 ft.	328 ft.	460 ft.	300 ft.	150 ft.

NOTES:

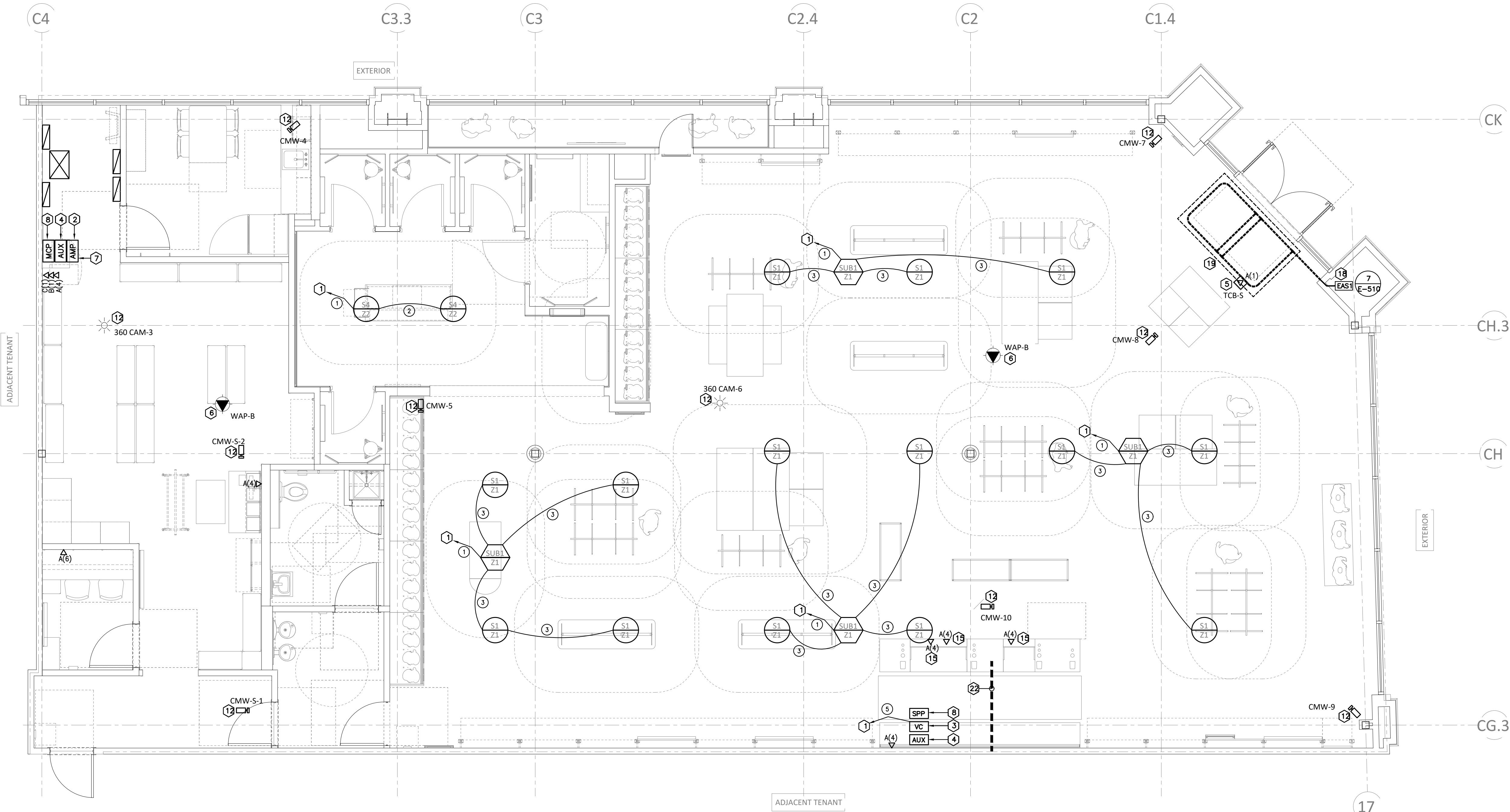
- CHART ABOVE APPLIES TO 24V DC LED STRIPS.
- EACH LED STRIP HAS A MAXIMUM LENGTH OF BEFORE IT REQUIRES AN ADDITIONAL POWER FEED BACK TO THE DRIVER
 - LS1 = 16'-0"
 - LS2 = 30'-0"
- DRIVERS TO BE LOADED TO 80% OR LESS.

ELECTRICAL LIGHTING PLAN

SCALE: 1/4" = 1'-0"

LIGHTING FIXTURE SCHEDULE																							
NAME & SYMBOL	PROCUREMENT	QTY	INSTALL	FIXTURE	LAMP	HEIGHT AFF	INSTALL DIRECTIONS / NOTES	NAME & SYMBOL	PROCUREMENT	QTY	INSTALL	FIXTURE	LAMP	HEIGHT AFF	INSTALL DIRECTIONS / NOTES	NAME & SYMBOL	PROCUREMENT	QTY	INSTALL	FIXTURE	LAMP	HEIGHT AFF	INSTALL DIRECTIONS / NOTES
D5 	LLL	5	WALL MOUNTED	CORE LED LINEAR LSM-60-30K-PF-24V DC WITH LED DRIVER	6 WATTS/LF LED 24V		MIRROR MILLWORK LIGHTS PROVIDED BY CSI	RF1-S 	LLL	2	RECESSED	PRESCOLITE LTR-4SQD-H-SL-10L-DM1-LTR-4SQD-T-SL-30K-9-XW-SS-WT 4" SQUARE DOWN LIGHT - WHITE TRIM	12 WATT LED	CEILING HT.	HALLWAY: NON-DIMMING FITROOMS: DIMMABLE	TL1 	LLL	63	TRACK MOUNTED	LUMENTURE T65-1500-30H-25-W-J WHITE TRACK HEAD - SPOT WITH T65-SN9 SHOOT	16 WATT LED	TRACK MOUNTED	SEE PLANS FOR DIRECTION SET IN FIELD
D6 	LLL	1	WALL MOUNTED	WAC- WS-180327-30-BN	20 WATT LED	8/10 FIXTURE @ 6'-6"	1 AT EACH TOILET ROOM MOUNTED ABOVE THE MIRROR AND CENTERED	RF1-S-EM 	LLL	2	RECESSED	PRESCOLITE LTR-4SQD-H-SL-10L-DM1-EM LTR-4SQD-T-SL-30K-9-XW-SS-WT 4" SQUARE DOWN LIGHT - WHITE TRIM	12 WATT LED	CEILING HT.	EM: PROVIDE 90 MIN BATTERY BACKUP HALLWAY: NON-DIMMING FITROOMS: DIMMABLE	TL2 	LLL	5	TRACK MOUNTED	LUMENTURE T65-1500-30H-25-W-J WHITE TRACK HEAD - FLOOD	16 WATT LED	TRACK MOUNTED	SEE PLANS FOR DIRECTION SET IN FIELD
FL 	LLL	1	RECESSED	BROAN AE80BL DELUXE FAN LIGHT COMBO	11 WATT LED	CEILING HT.	FAN LIGHT COMBO TO BE CENTERED IN ROOM; FAN: 22 WATT / 80 CFM	RF1-SB 	LLL	2	RECESSED BLACK	PRESCOLITE LTR-4SQD-H-SL-10L-DM1-LTR-4SQD-T-SL-30K-9-XW-SS-WT 4" SQUARE DOWN LIGHT - BLACK TRIM	12 WATT LED	CEILING HT.		TL3 	LLL	66	TRACK MOUNTED	LUMENTURE T65-1500-30H-25-B-J BLACK TRACK HEAD - SPOT WITH T65-SN9 SHOOT	16 WATT LED	TRACK MOUNTED	SEE PLANS FOR DIRECTION SET IN FIELD
L4 	LLL	1	SURFACE MOUNTED OR SUSPENDED	HUBBELL COLUMBIA MP58-30LW-CW-EDU	27.3 WATT LED	12'-0" U.N.O. SURFACE MT AT BOH HALL	BACK OF HOUSE LED STRIP LIGHT, SUSPENDED UNO	RF1-SB-EM 	LLL	1	RECESSED BLACK	PRESCOLITE LTR-4SQD-H-SL-10L-DM1-EM LTR-4SQD-T-SL-30K-9-XW-SS-WT 4" SQUARE DOWN LIGHT - BLACK TRIM	12 WATT LED	CEILING HT.	PROVIDE 90 MIN BATTERY BACKUP	TL4 	LLL	27	TRACK MOUNTED	LUMENTURE T65-1500-30H-40-B-J BLACK TRACK HEAD - FLOOD	16 WATT LED	TRACK MOUNTED	SEE PLANS FOR DIRECTION SET IN FIELD
L4-EM 	LLL	0	SURFACE MOUNTED OR SUSPENDED	HUBBELL COLUMBIA MP58-30LW-CW-EDU-ELL14	27.3 WATT LED	12'-0"	BACK OF HOUSE STRIP LIGHT WITH EM, SUSPENDED UNO	RW1 	LLL	11	RECESSED	AMERLOX HORNET HDL-HP-S-NC-A17-T-12-120-0-10V HDL-HP-SLW-A17-T-MWW-309 3 1/2" SQUARE WALL WASH - WHITE	12 WATT LED	CEILING HT.	FITROOM WALL WASHERS DIMMABLE	TL5 	LLL	26	TRACK MOUNTED	LUMENTURE T65-1500-30H-1600-B-J TRACK HEAD - BLACK WALL WASHER	17 WATT LED	TRACK MOUNTED	DIRECT TOWARDS WALL
L8 	LLL	3	SURFACE MOUNTED OR SUSPENDED	HUBBELL COLUMBIA MP58-30LW-CW-EDU	54.6 WATT LED	12'-0"	BACK OF HOUSE LED STRIP LIGHT, SUSPENDED UNO	RF3-S 	LLL	2	RECESSED	PRESCOLITE LTR-4SQD-H-ML-20L-DM1-LTR-4SQD-T-ML-30K-9-XW-SS-WT 4" SQUARE DOWN LIGHT - WHITE TRIM	23 WATT LED	CEILING HT.	HALLWAY: NON-DIMMING FITROOMS: DIMMABLE	TL6 	LLL	24	TRACK MOUNTED	LUMENTURE T65-1500-30H-40-B-J BLACK TRACK HEAD - SPOT WITH T65-SN9 SHOOT	20 WATT LED	TRACK MOUNTED	SEE PLANS FOR DIRECTION SET IN FIELD
L8-EM 	LLL	3	SURFACE MOUNTED OR SUSPENDED	HUBBELL COLUMBIA MP58-30LW-CW-EDU-ELL14	54.6 WATT LED	12'-0"	BACK OF HOUSE STRIP LIGHT WITH EM, SUSPENDED UNO	RF3-S-EM 	LLL	1	RECESSED	PRESCOLITE LTR-4SQD-H-ML-20L-DM-EM LTR-4SQD-T-ML-30K-9-XW-SS-WT 4" SQUARE DOWN LIGHT - WHITE TRIM	23 WATT LED	CEILING HT.	EM: PROVIDE 90 MIN BATTERY BACKUP HALLWAY: NON-DIMMING FITROOMS: DIMMABLE	TL9 	LLL	20	TRACK MOUNTED	LUMENTURE T65-1500-30H-40-B-J HO WHT TRACK HEAD-SPOT WITH T80-SN9 SHOOT	20 WATT LED	TRACK MOUNTED	SEE PLANS FOR DIRECTION SET IN FIELD
L2 	LLL	1	SURFACE MOUNTED	WAC- FM-07RN-930-WT	15 WATT LED	7'-9" @ CLOSET WALLS		RF3-S-EM 	LLL	1	RECESSED	PRESCOLITE LTR-4SQD-H-ML-20L-DM-EM LTR-4SQD-T-ML-30K-9-XW-SS-WT 4" SQUARE DOWN LIGHT - WHITE TRIM	23 WATT LED	CEILING HT.	EM: PROVIDE 90 MIN BATTERY BACKUP HALLWAY: NON-DIMMING FITROOMS: DIMMABLE	TL9 	LLL	7	TRACK MOUNTED	LUMENTURE T80-2000-30H-40-W-I HO WHT TRACK HEAD - FLOOD	20 WATT LED	TRACK MOUNTED	SEE PLANS FOR DIRECTION SET IN FIELD
SF1 	LLL-V	0	PERFORATED PANEL ASSEMBLY	SLDAN POSTERBOX 3 - LONG MODULE PROVIDE 1 POWER SUPPLY PER 10 MODULES; KEANWELL HLG-240H-24	14 WATT LED	SEE A-410 STOREFRONT ELEVATION	MTD ALONG LONG SIDE OF BACK PAN RETURN OF PANEL ASSEMBLY	RF4 	LLL	4	RECESSED	WAC- R4DRDN-F-WT LED DOWN LIGHT - WHITE TRIM	12W LED	CEILING HT.	STAFF ROOM RECESSED IN GWB CEILING	EX1 	LLL	5	RECESSED CEILING	BEST RELZXT-1-R-C-W-EM EDGE LIGHT EXIT SIGN W/BATTERY BACK-UP	5 WATT FOR BATTERY BACKUP (EM)	CEILING HT. 8'-6" TYP 13'-0" MAX SEE ELEV.	EXIT SIGNS TO BE RED. CLEAR PLEXI AND RECESSED BATTERY TYPE. USED ONLY AT SALES
SF5 	LLL-V	0	PERFORATED PANEL ASSEMBLY	SLDAN POSTERBOX 3 - SHORT MODULE PROVIDE 1 POWER SUPPLY PER 10 MODULES; KEANWELL HLG-240H-24	7.2 WATT LED	SEE A-410 STOREFRONT ELEVATION	MTD ALONG LONG SIDE OF BACK PAN RETURN OF PANEL ASSEMBLY	RF5-B 	LLL	0	RECESSED BLACK TRIM	AMERLOX HORNET HDL-HP-R-NC-A17-T-10-120-14-1TE HDL-HP-R-A-A17-T-MBB-MPL-309 ROUND ADJUSTABLE LIGHT	20 WATT LED	CEILING HT.	WOOD PORTAL (DAMP RATED)	EX2 	LLL	1	SUSPENDED/ WALL MOUNTED	BEST ELXTEU-1-R-C-B-EM EDGE LIGHT EXIT SIGN W/BATTERY BACK-UP	5 WATT FOR BATTERY BACKUP (EM)	13'-0" MAX SEE ELEV	EXIT SIGNS TO BE USED ONLY IN OPEN CEILINGS OR WALL MOUNTED AT SALES
LS2 	LLL	REF RCP	SURFACE MOUNTED	CORE LED NEON: LINE-50-5B-35K-24V-XX-IP65EF-XX MAX 300F PER POWER FEED. SEE VOLTAGE DROP CHART ON E-121	5.3 WATTS/LF LED 24V	12'-2" COVE SEE A-151	MTD IN COVE BUILT OUT ON SITE BY GC. REMOTE DRIVERS. SEE A-150 FOR COVE DETAIL. SEE A-151 FOR DRIVER LOCATION.	RF6-EM 	LLL	0	RECESSED SILVER TRIM (DAMP RATED)	AMERLOX HORNET HDL-HP-R-NC-A17-T-10-120-14-1TE HDL-HP-R-A-A17-T-MBB-MPL-309 ROUND ADJUSTABLE LIGHT	20 WATT LED	CEILING HT.	WOOD PORTAL (DAMP RATED)	EX3 	LLL	2	WALL MOUNTED	BEST EZKTEU-2-R-W-EM BEST EXIT SIGN W/BATTERY BACK-UP - GCTO SUSPEND BY RIGID CONDUIT	3.8 WATT LED	8'-0" TYP 13'-0" MAX SEE ELEV	EXIT SIGNS TO BE WHITE WITH RED LETTERS. USED ONLY IN BOH
P1 	LLL	1	SUSPENDED	LUMEN WERX - WHITE PENDANT RIMSP-XX-XX-ULO-LED90-MEDIUM OUTPUT 30 UNV-D1-1-RDB-W -POC-60IN-W	LED INCLUDED 7 WATTS/LF	8'-6"	CUSTOM SIZE LEAD TIME 3-4 WEEKS, SIZE ROUNDED TO THE CLOSEST FT INCREMENT, DIMMABLE	RF6-IC 	LLL	0	RECESSED SILVER TRIM (DAMP RATED)	AMERLOX HORNET HDL-HP-R-NC-A17-T-10-120-14-1TE HDL-HP-R-A-A17-T-MBB-MPL-309 ROUND ADJUSTABLE LIGHT	20 WATT LED	CEILING HT.	WOOD PORTAL (DAMP RATED)	EX4 	LLL	1	SUSPENDED	BEST EZKTEU-2-R-W-EM BEST EXIT SIGN W/BATTERY BACK-UP - GCTO SUSPEND BY RIGID CONDUIT	3.8 WATT LED	13'-0" MAX SEE ELEV	EXIT SIGNS TO BE WHITE WITH RED LETTERS. USED ONLY IN BOH
R2 	LLL	2	SEMI-RECESSED	SOLAIS LUCIE: SAR12-PW1-OF-PW-NFL-9 -30-1600-UNV-NCW	16 WATTS/ HEAD TOTAL 32 WATTS	CEILING HT.		T1 	LLL	REF RCP	RECESSED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT WHITE TRACK, SURFACE MOUNT WHEN RECESSED IN CEILING TROUGH, OTHERWISE RECESS INTO GWB CEILING. PROVIDE FRY REGLET DRYWALL REVEAL MOLDING DRM-625-150	-	CEILING HT.	TRACK TO BE RECESSED INTO GWB CEILING OR SURFACE MOUNTED AT GWB TROUGH. SEE PLANS FOR LENGTHS, PATTERNS, AND QTY'S	EM-CAN 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	SEMI-RECESSED	AMERLOX HORNET - WHITE 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T2 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T3 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX COLUMBIA - WHITE 2-SPOTS COMR-SR-NC-FRAME-T-3-120-14-1TE COMR-NC-T-3-2L-WT-120-27T-NF-RMR-309-14-1TE	21 WATTS/ HEAD TOTAL 42 WATTS	CEILING HT.		T4 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-B, LT-6-B, LT8-B, LT-12-B, 1 CIRCUIT SUSPENDED BLACK TRACK, , SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-B), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	24.1 WATT LED	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	SEMI-RECESSED	AMERLOX HORNET - WHITE 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T5 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T6 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T7 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T8 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T9 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T10 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T11 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T12 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T13 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNTING WITH DESIGNER PRIOR TO INSTALL. SEE PLANS FOR LENGTHS, PATTERNS, AND QUANTITIES	EM-B 	LLL	1	SURFACE MOUNTED OR SUSPENDED	ELMGL UNOVL-LTP-SDBT SUPPLY RIGID CONDUIT FOR SUSPENSION AS REQUIRED	10.6 WATTS	14'-0" TYP	USE THIS SPEC FOR CANADA PROJECTS WITH P-7 (LIGHT) OPEN TO DECK
R5 	LLL	0	RECESSED	AMERLOX HORNET - SILVER 2-SPOTS HP-R/SK-NC-FRAME-T-3-120-14-1TE HP-SK-NC-TRIM-T-3-16-NT-120-47T-MPL-MPL-309-14-1TE	18 WATTS/ HEAD TOTAL 36 WATTS	CEILING HT.		T14 	LLL	REF RCP	SUSPENDED	CON TECH LT-4-P, LT-6-P, LT8-P, LT-12-P, 1 CIRCUIT SUSPENDED WHITE TRACK, SUSPEND ON 1/16" GALVANIZED CABLE (G1-15TRN-44-120") FROM LLL-V CANOPY (Q5-14-W), SEE DETAIL 7/A-520	-	SUSPENDED 12'-0"	HANG FROM STRUCTURE, VERIFY MOUNT								

SPEAKER SYSTEM SYMBOL LEGEND		
SYMBOL	FIXTURE	INSTALL DIRECTIONS/NOTES
	SPEAKERS	S1 = SIZE: 6.2" DIA. x 4.8", WHITE, FLUSH-MOUNTED S2 = SIZE: 6.2" DIA. x 4.8", WHITE, SUSPENDED S3 = SIZE: 6.2" DIA. x 4.8", BLACK, SUSPENDED S4 = SIZE: 7.2" DIA. x 5.2", WHITE, FLUSH-MOUNTED S5 = SIZE: 5.9" DIA. x 7.2", WHITE, SUSPENDED S6 = SIZE: 5.9" DIA. x 7.2", BLACK, SUSPENDED Z1 = SALES AREA Z2 = FITTING ROOM AREA CONNECT TO J-BOX AT DECK FOR ALL SPEAKERS.
	SUBWOOFERS	SUB1 = SIZE: 15.4" DIA. x 7.4", WHITE, FLUSH-MOUNT SUB2 = SIZE: 15.4" DIA. x 7.4", WHITE, SUSPENDED SUB3 = SIZE: 15.4" DIA. x 7.4", BLACK, SUSPENDED SUB4 = SIZE: 15.7" DIA. x 15.1", BLACK, SUSPENDED Z1 = SALES AREA Z2 = FITTING ROOM AREA CONNECT TO J-BOX AT DECK FOR ALL SUBWOOFERS.
	AMPLIFIER	LOCATED IN NETWORK RACK
	RCA BALLUN WALL PLATE	LOCATED IN BACKWRAP
	AUXILIARY INPUT	LOCATED IN BACKWRAP
	VOLUME CONTROLLER	LOCATED IN BACKWRAP
	ONE (1) PAIR 18/2 SPEAKER WIRE (HOME RUN FROM SPEAKER OR SUB TO AMP)	
	ONE (1) PAIR 18/2 SPEAKER WIRE (FROM SPEAKER TO SPEAKER OR SUB TO SUB)	
	ONE (1) PAIR 18/2 SPEAKER WIRE (FROM SUB TO SATELLITE SPEAKER)	
	THREE (3) CAT5(AMPS TO BACKWRAP) TWO (2) VOLUME/ONE (1) 3.5mm WALL PLATE	
	THREE (3) CAT5 (TO BACK WRAP) TWO (2) VOLUME/ONE (1) RCA WALL PLATE	
LOW VOLTAGE SYMBOL LEGEND		
SYMBOL	FIXTURE	INSTALL DIRECTIONS/NOTES
	SECURITY CAMERA	CMW = WHITE, SURFACE MOUNTED CMW-S = WHITE, SUSPENDED CMW-B = BLACK, SURFACE MOUNTED CMW-S-B = BLACK, SUSPENDED PENDANT MOUNT CAMERA JUNCTION BOX AT 12'-0" AFF. WHEN CEILING IS LOWER THAN 12'-0" AFF. FLUSH MOUNT J-BOX WITHIN CEILING.
	TRAFFIC COUNTER	FINISH: TCW = WHITE CEILING MOUNTED TCW-S = WHITE SUSPENDED @ 12'-0" AFF. TCB-S = BLACK SUSPENDED @ 12'-0" AFF.
	WIRELESS ACCESS POINT	WAP = WHITE WAP-B = BLACK PENDANT MOUNT WAP JUNCTION BOX AT 16'-0" AFF. WHEN CEILING IS LOWER THAN 16'-0" AFF. FLUSH MOUNT J-BOX WITHIN CEILING. VERIFY EXACT LOCATION IN FIELD.
	SECURITY MAIN CONTROL PANEL	MOUNTED ON TELEPHONE BOARD
	SECURITY PINPAD	LOCATED IN BACKWRAP
	EAS CONTROLLER	LOCATED IN ACCESSIBLE CEILING / VOID SPACE AT STOREFRONT
	EAS CAPACITOR BOARD ENCLOSURE	LOCATED IN ACCESSIBLE CEILING / VOID SPACE AT STOREFRONT
	VIDEO PRESENTER AUXILIARY INPUT WALL PLATE	LOCATED IN BACKWRAP
DATA DEVICE SYMBOL LEGEND		
	RJ45 CAT6 JACK	
	RJ45X JACK	
	SHAWT JACK	
	RJ45X SHIELDED CAT6 JACK	



CODED LOW VOLTAGE NOTES

- HOME RUN(S) FROM AMPLIFIER TO SUBWOOFER AS SHOWN ON PLAN. PROVIDE SPEAKER WIRE / 3/4" CONDUIT ROUTED FROM AMPLIFIER TO SUBWOOFER / SPEAKERS AS DIRECTED BY SPEAKER VENDOR. VERIFY ALL REQUIREMENTS WITH SPEAKER VENDOR, AS REQUIRED.
- MUSIC SYSTEM AMPLIFIER LOCATED IN NETWORK RACK.
- PROVIDE ONE (1) DOUBLE GANG JUNCTION BOX FOR ZONE 1 AND ZONE 2 VOLUME CONTROLLERS. PROVIDE 3/4" CONDUIT FROM VOLUME CONTROLLER JUNCTION BOX WIRING FROM AMPLIFIER TO VOLUME CONTROLLER AS DIRECTED BY SPEAKER VENDOR—TWO (2) CAT5 CABLES. VERIFY EXACT LOCATIONS WITH MILLWORK CONTRACTOR.
- PROVIDE (2) SINGLE GANG JUNCTION BOXES FOR PORTABLE MUSIC PLAYER AT BACKWRAP AND AMP INPUT IN NETWORK CLOSET. ROUTE 3/4" CONDUIT FROM JUNCTION BOX AT BACKWRAP TO JUNCTION BOX AT AMP WITH ONE (2) CAT5 DATA WIRE. VERIFY EXACT LOCATION OF THE RCA JUNCTION BOX WITHIN NETWORK CLOSET WITH SPEAKER VENDOR PRIOR TO ROUGH-IN.
- STOREFRONT HEADCOUNT THERMAL SENSOR. CONFIRM EXACT LOCATION WITH ARCHITECT. SURFACE MOUNTED AT HARDLID CEILINGS LESS THAN 16'-0" AFF. AND SIDE-MOUNTED ON SOFFITS. RUN DATA CABLE OUT OF SMALL HOLE CEILING FINISHES. DEVICE TO MOUNT DIRECTLY TO SURFACE. AT OPEN CEILINGS AND CEILINGS ABOVE 16'-0" AFF. PROVIDE OCTAGONAL JUNCTION BOX AT DECK AND EXTEND 3/4" CONDUIT VERTICALLY DOWN TO ANOTHER OCTAGONAL BOX AT 12'-0" AFF.
- WIRELESS ACCESS POINT (WAP): PROVIDE JUNCTION BOX AT DECK. EXTEND 3/4" CONDUIT TO SQUARE JUNCTION BOX AT 16'-0" AFF.
- NETWORK LADDER LOCATION. VERIFY ALL REQUIREMENTS WITH LOW VOLTAGE VENDOR AS REQUIRED.
- PROVIDE ROUGH-IN JUNCTION BOXES FOR SECURITY DEVICES AT MAX. 42" A.F.F. SECURITY DEVICES AND WIRING BY OTHERS. VERIFY EXACT LOCATIONS WITH MILLWORK CONTRACTOR.
- PROVIDE JUNCTION BOX 54" AFF. PLASTER RING, AND 1/2" CONDUIT WITH PULL STRING FROM TEMPERATURE SENSOR TO THERMOSTAT. FINAL CONNECTION BY MECHANICAL CONTRACTOR.
- PROVIDE 1" CONDUITS IN OR UNDER SLAB AND ROUTE CONCEALED IN WALL UP TO DECK AND BACK TO IT CLOSET FOR FUTURE USE WITH PULL STRINGS. REFER TO SHEET E-110 FOR ADDITIONAL POWER CONDUITS AT THIS AREA. COORDINATE WITH LANDLORD FOR SLAB TRENCHING REQUIREMENTS. REFER TO DETAIL "1" ON SHEET E-510 FOR ADDITIONAL INFORMATION.
- PROVIDE FIRE-RATED PLYWOOD TELEPHONE BACKBOARD. EXTEND ANY EXISTING CONDUIT TO THIS LOCATION FOR TELEPHONE SERVICE. COORDINATE WITH LANDLORD AND OWNER REPRESENTATIVE. REFER TO DETAIL "4" ON SHEET E-511 FOR BACKBOARD SIZE AND ADDITIONAL INFORMATION.
- PROVIDE JUNCTION BOX FOR FUTURE USE FOR SECURITY CAMERAS. AT HARDLIDS: PROVIDE OCTAGONAL JUNCTION BOX. DEVICE MOUNTS DIRECTLY TO JUNCTION BOX AT OPEN CEILING. PROVIDE OCTAGONAL JUNCTION BOX AT DECK WITH SWIVEL-MOUNT VERTICAL 3/4" CONDUIT DOWN TO 12'-0" AFF. DEVICE MOUNTS DIRECTLY TO CONDUIT. FOR OPEN CEILINGS PROVIDE A 3/4" CONDUIT DROP. NO JUNCTION BOX REQUIRED.
- REFER TO MOUNTING DETAILS ON ARCHITECT'S DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.
- DATA-OUTLET-FOR-DIGITAL-FIXTURE—COORDINATE EXACT LOCATION WITH ARCHITECT.
- DATA OUTLET FOR POINT OF SALE (POS) STATION.
- FIRE-ALARM-PANEL—COORDINATE FINAL LOCATION WITH FIRE/SAFETY CONTRACTOR PRIOR TO ROUGH-IN.
- ACCESS PANEL BY GC TO BE USED AS ACCESS TO EQUIPMENT LOCATED ABOVE CEILING OR WALL CAVITY.
- ELECTRONIC ARTICLE SURVEILLANCE (EAS) EQUIPMENT. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
- ELECTRONIC ARTICLE SURVEILLANCE (EAS) ANTENNAS. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
- PROVIDE ONE (1) SINGLE GANG JUNCTION BOX FOR AUXILIARY VIDEO PRESENTER CONNECTION. PROVIDE 3/4" CONDUIT AND PULL STRING FROM VIDEO PRESENTER JUNCTION BOX TO NETWORK CLOSET. VERIFY EXACT LOCATIONS WITH MILLWORK CONTRACTOR.
- DATA-OUTLET-FOR-INTERACTIVE-MIRROR-FIXTURE—COORDINATE EXACT LOCATION WITH ARCHITECT.
- PROVIDE 1" CONDUITS IN OR UNDER SLAB AND ROUTE CONCEALED IN WALL UP TO DECK AND BACK TO IT CLOSET FOR FUTURE USE WITH PULL STRINGS. REFER TO SHEET E-110 FOR ADDITIONAL POWER CONDUITS AT THIS AREA. COORDINATE WITH LANDLORD FOR SLAB TRENCHING/CORING REQUIREMENTS.
- BUZZER-SYSTEM—INSTALL A DELIVERY BUZZER SYSTEM AS SHOWN ON DRAWINGS. REFER TO DETAIL "55" ON SHEET E-510.
- DATA FOR FUTURE DIGITAL FIXTURE AT COMMUNITY WALL LOCATED ABOVE CEILING AT ACCESS PANEL NEAR AMBASSADOR FIXTURE. FURNISH AND INSTALL 6" WHIP ABOVE CEILING.

GENERAL LOW VOLTAGE NOTES

- ALL LOW VOLTAGE WIRING SHALL ONLY BE IN CONDUIT IN WALLS AND AT DROP LOCATIONS, UNLESS REQUIRED BY CODE.
- ALL EXPOSED LOW VOLTAGE WIRING SHALL BE PLENUM RATED CABLE AND SHALL MATCH CEILING COLOR. UON. INSTALL EXPOSED CABLE PARALLEL AND PERPENDICULAR TO SURFACES OR EXPOSED STRUCTURAL MEMBERS, AND FOLLOW SURFACE CONTOURS. WHERE POSSIBLE, CABLE SHALL NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS.
- SECURE AND SUPPORT CABLE AT INTERVALS NOT EXCEEDING 60 INCHES AND NOT MORE THAN 6 INCHES FROM CABINETS, BOXES, FITTINGS, OUTLETS, RACKS, FRAMES, AND TERMINALS.
- ALL CONDUIT, WHERE REQUIRED BY CODE, WILL BE 3/4" EMT AND ROUTED UP TO DECK UNLESS NOTED OTHERWISE.
- ALL CONDUIT, WHERE REQUIRED BY CODE, IS TO BE RUN IN NEAT AND ORDERLY GROUPS.
- ALL CONDUITS SHALL HAVE POLY PULL STRING INSTALLED AND TIED AT EACH END.
- CONDUIT FOR DATA/TELEPHONE OUTLETS, WHERE REQUIRED BY CODE, SHALL HAVE NO MORE THAN THREE 90° BENDS. IF THE CONDUIT RUN REQUIRES MORE THAN THREE 90° BENDS, PROVIDE A PULL/JUNCTION BOX AFTER EACH SET OF THREE 90° BENDS.
- INSTALL CABLE USING TECHNIQUES, PRACTICES, AND METHODS THAT ARE CONSISTENT WITH THE RATING OF COMPONENTS, AND TEST EACH LOW VOLTAGE CABLE TO ENSURE THE PERFORMANCE OF COMPLETED AND LINKED SIGNAL PATHS. END TO END. ANY CABLES THAT ARE KINKED, HAVE A BROKEN CABLE SHEATH, DAMAGED DURING INSTALLATION, OR FAIL TESTING MUST BE REPLACED AT NO ADDITIONAL COST TO OWNER. THE OWNER RESERVES THE RIGHT TO HAVE A REPRESENTATIVE PRESENT DURING ALL OR A PORTION OF THE TESTING PROCESS.
- INSTALL A MINIMUM 10-FOOT LONG SERVICE LOOP ON EACH CABLE.
- MAINTAIN SEPARATION OF WIRES FOR UNSHIELDED COPPER COMMUNICATION CABLES FROM POTENTIAL EMI SOURCES, INCLUDING ELECTRICAL POWER WIRING AND EQUIPMENT. COORDINATE EXACT REQUIREMENTS WITH SYSTEM VENDOR.
- ALL TELEPHONE JACKS ARE BY OTHERS.
- DEPENDING ON SERVICE AVAILABILITY, SOME STORES WILL HAVE EITHER CABLE OR DSL INTERNET SERVICE, NOT BOTH.
- REFER TO SHEET A-170 FOR SPEAKER, CAMERA, WAP AND TRAFFIC COUNTER LOCATION DIMENSIONS. COORDINATE EXACT LOCATION FOR HEAD-END SYSTEM EQUIPMENT.
- ALL CONDUIT SHALL BE INSTALLED AND SECURED TO SUPPORT WEIGHT OF INTENDED SPEAKER.
- SPEAKER WIRING JUNCTION BOX SHALL BE FULLY ACCESSIBLE.
- ALL COMPONENTS SHALL BE CONNECTED TO AN AC SURGE PROTECTOR STRIP.



Lulemon
1818 CORNWALL AVE.
VANCOUVER, B.C., V6J1C7

SUMMIT FAIR MALL

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09/16/2025

DATE	DESCRIPTION
07/29/2025	ISSUED FOR CD REVIEW
08/25/2025	ISSUED FOR PERMIT & BID
1 09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION

PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

ELECTRICAL LOW VOLTAGE PLAN

DRAWING NUMBER

E130



Lulemon

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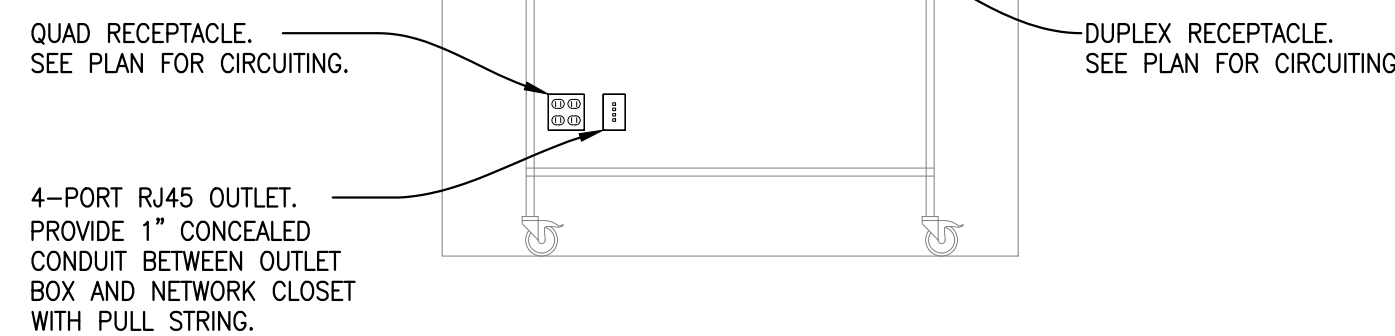
DRAWING INFORMATION
PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

ELECTRICAL DETAILS

DRAWING NUMBER

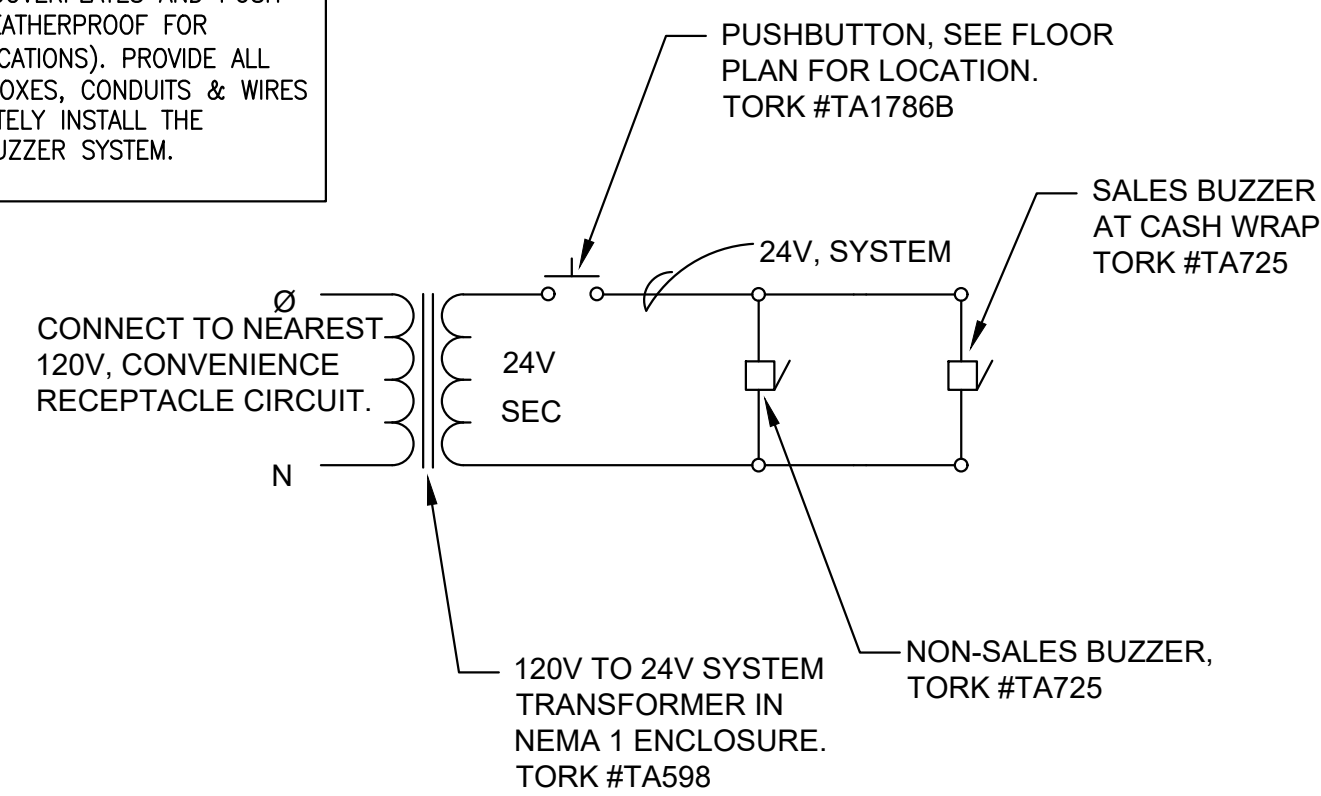
E510

DATA DEVICES AT RECEIVING DESK
1. SPARE
2. SPARE
3. ALL IN ONE READER
4. SPARE



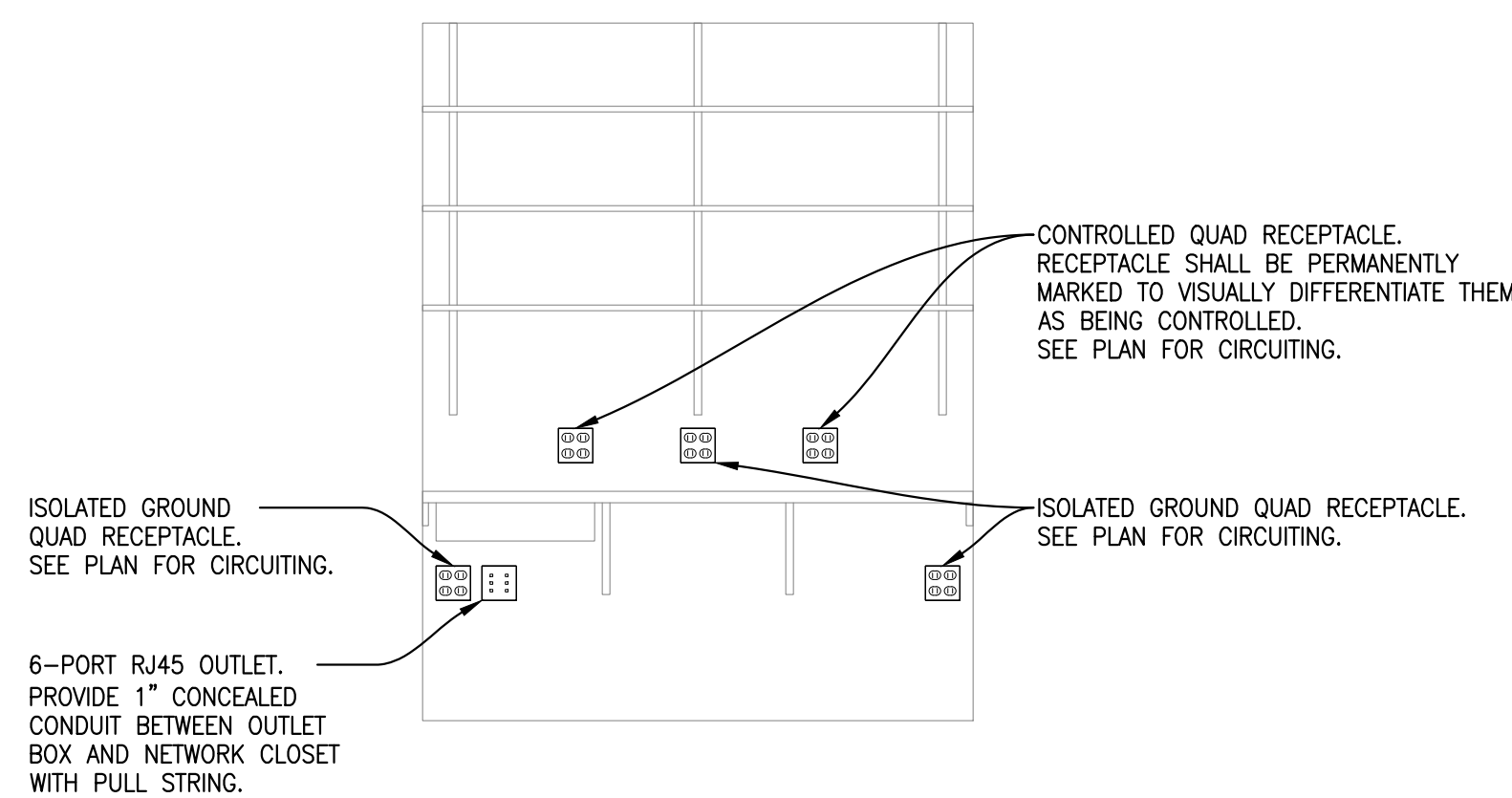
6 RECEIVING DESK DETAIL
N.T.S.

FURNISH AND INSTALL A COMPLETE DELIVERY BUZZER SYSTEM COMPLETE WITH TRANSFORMER, BUZZERS, LOUVERED COVERPLATES AND PUSH BUTTON (WEATHERPROOF FOR OUTSIDE LOCATIONS). PROVIDE ALL JUNCTION BOXES, CONDUITS & WIRES TO COMPLETELY INSTALL THE DELIVERY BUZZER SYSTEM.

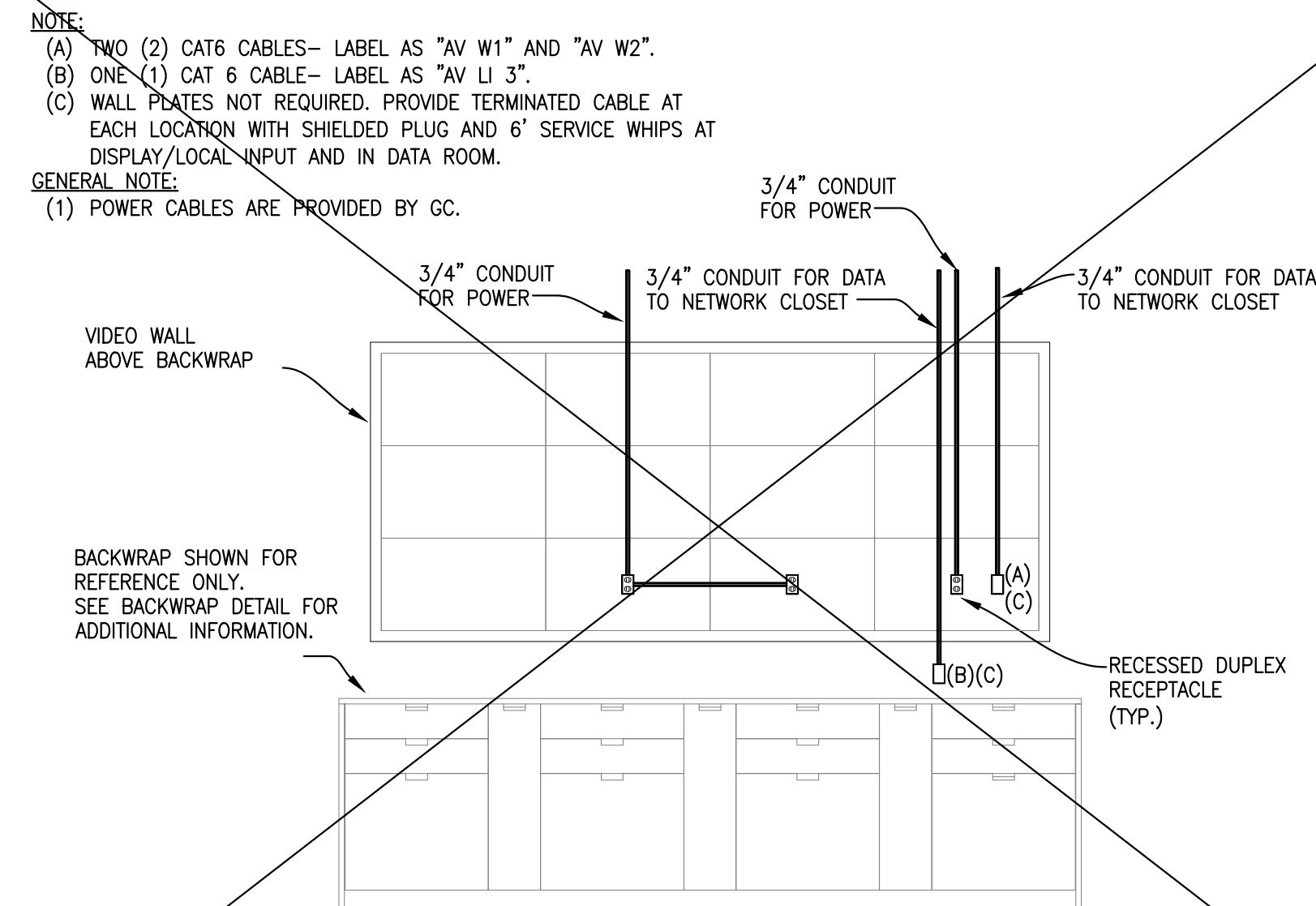


5 DELIVERY BUZZER SCHEMATIC
N.T.S.

DATA DEVICES AT MANAGER'S DESK
1. OFFICE PC#1
2. SPARE
3. DECT CORDLESS PHONE (ANALOG)
4. VOIP DESK PHONE
5. OFFICE PRINTER
6. SPARE



4 MANAGER DESK DETAIL
N.T.S.



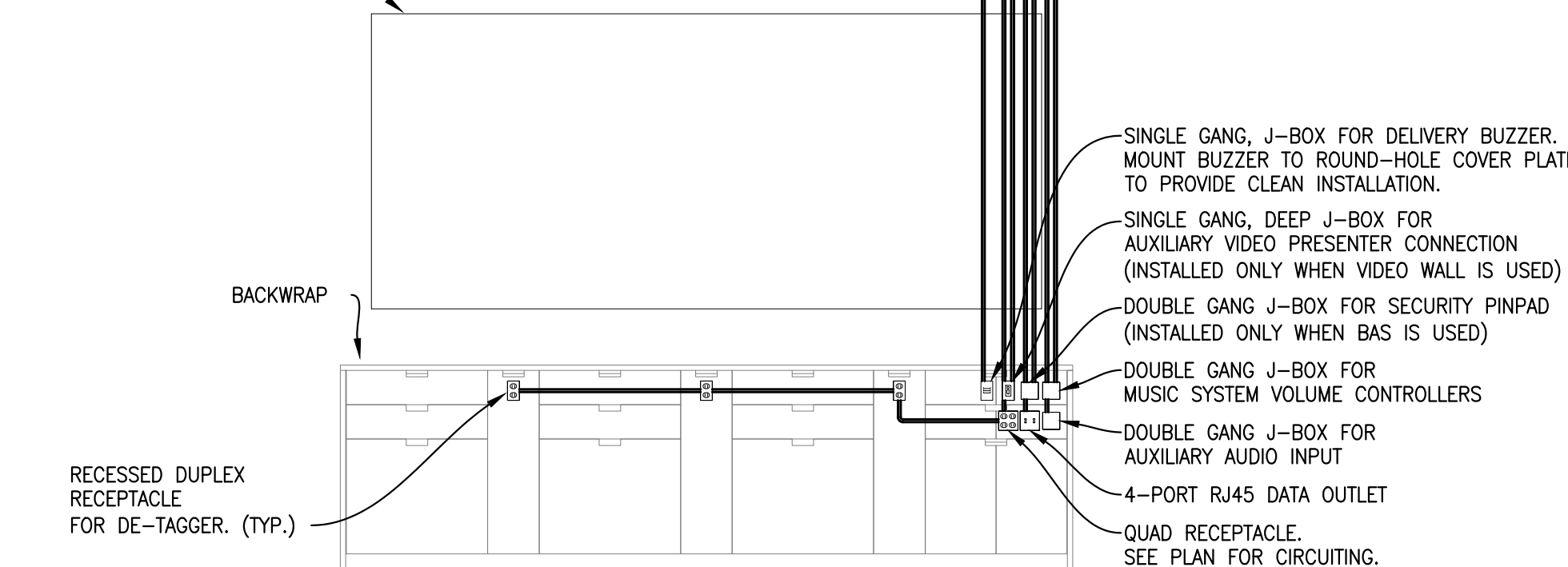
3 VIDEO WALL DETAIL
N.T.S.

DETAIL FOR ELECTRICAL CONNECTION INFORMATION ONLY. SEE ARCHITECTURAL DRAWINGS FOR BACKWRAP ORIENTATION.

REFER TO BACKWRAP MILLWORK SHOP DRAWINGS FOR ADDITIONAL INFORMATION

MAIN PHONE LINE SHOULD BE DOUBLE PUNCHED (1) TO CASH DESK AND (1) TO MANAGER'S DESK

SPACE FOR VIDEO WALL ABOVE BACKWRAP SHOWN FOR REFERENCE ONLY. SEE VIDEO WALL DETAIL FOR ADDITIONAL INFORMATION



2 BACKWRAP DETAIL
N.T.S.

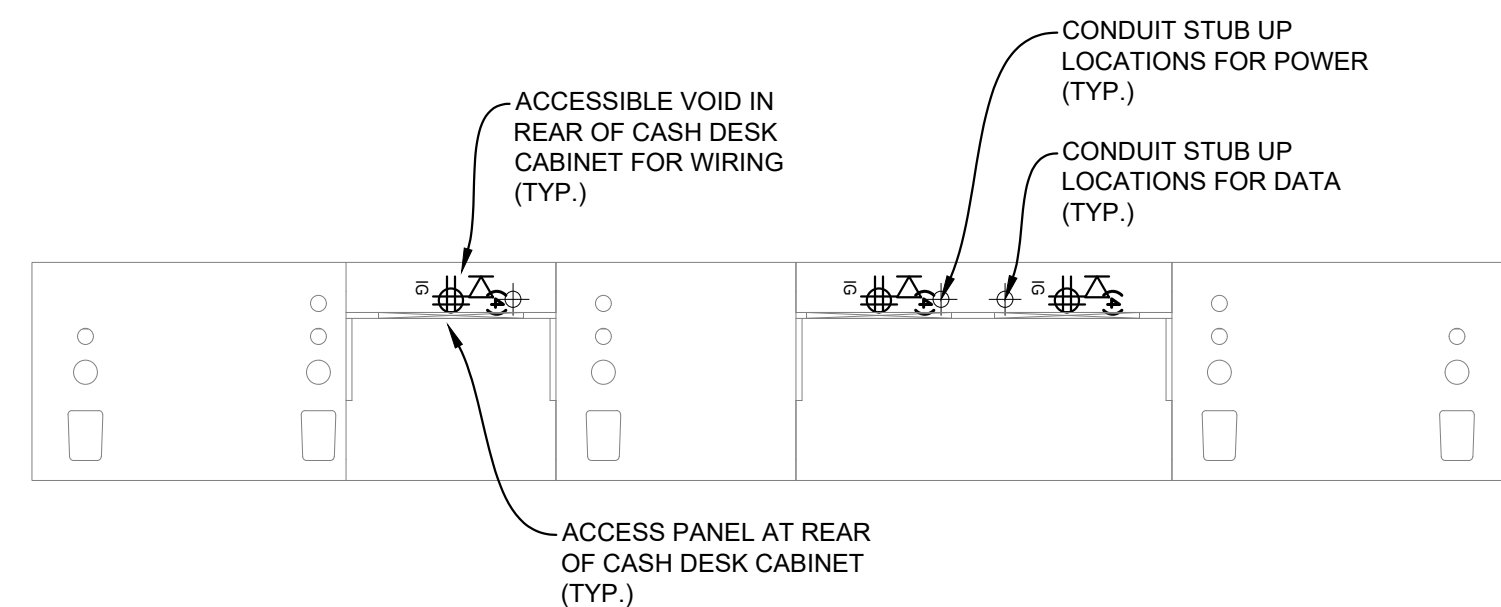
CONDUIT QUANTITY FOR CASH DESK
1-POS: (1) 1\"/>

COORDINATE SIZE & LOCATION OF TRENCH/CORE TO ACCOMMODATE REQUIRED CONDUIT. REFER TO DETAIL "2" ON SHEET A140.

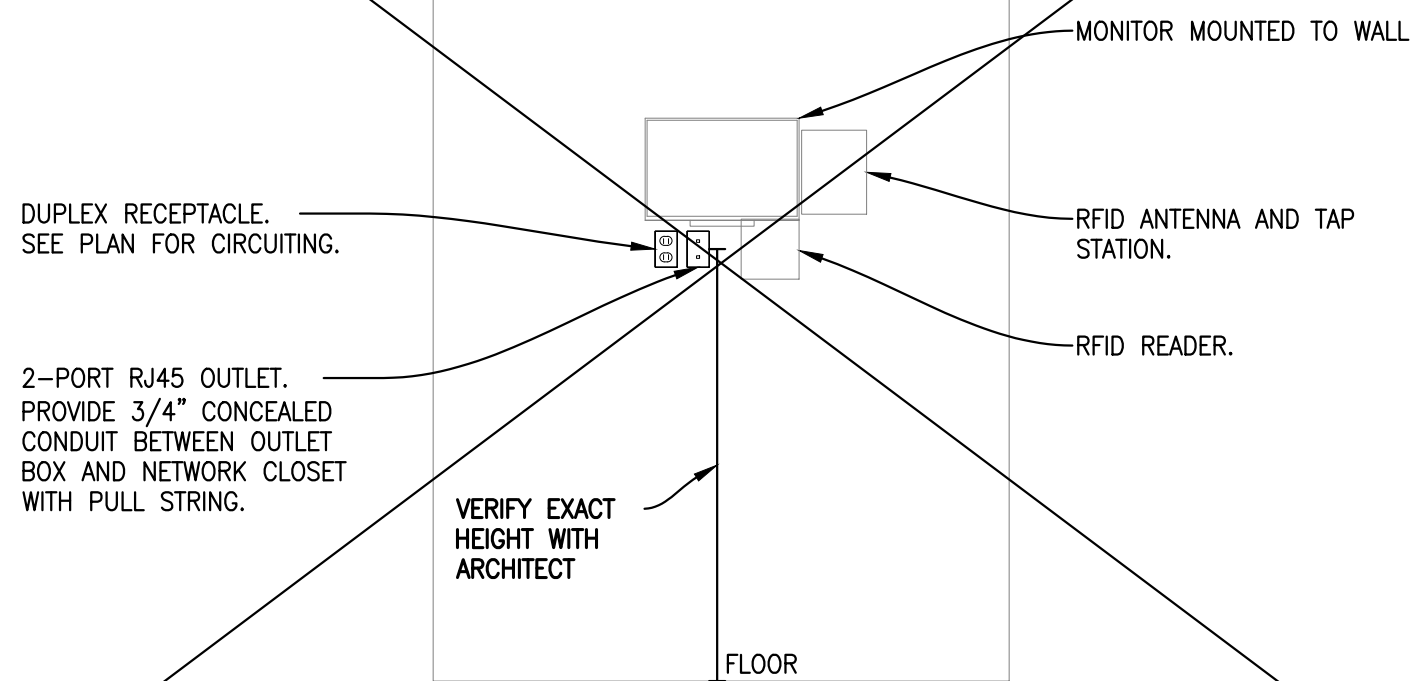
REFER TO SHEET E-110 FOR CIRCUITING AND ADDITIONAL INFORMATION.

REFER TO SHEET E-130 FOR DATA AND ADDITIONAL INFORMATION.

THIS DETAIL (1+2 POS) IS FOR REFERENCE ONLY. COORDINATE EXACT CASH DESK LAYOUT FOR EACH STORE. COORDINATE WITH VENDOR SHOP DRAWINGS.

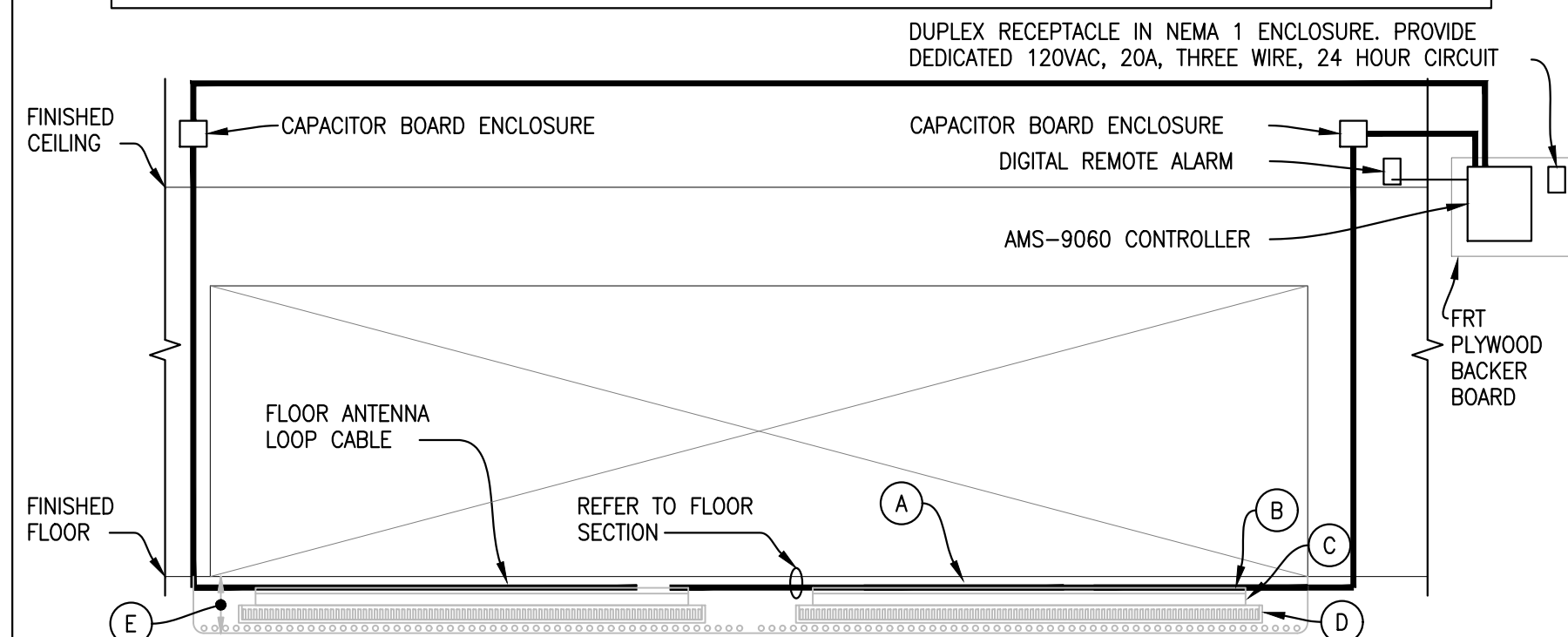


1 CASH DESK DETAIL
N.T.S.



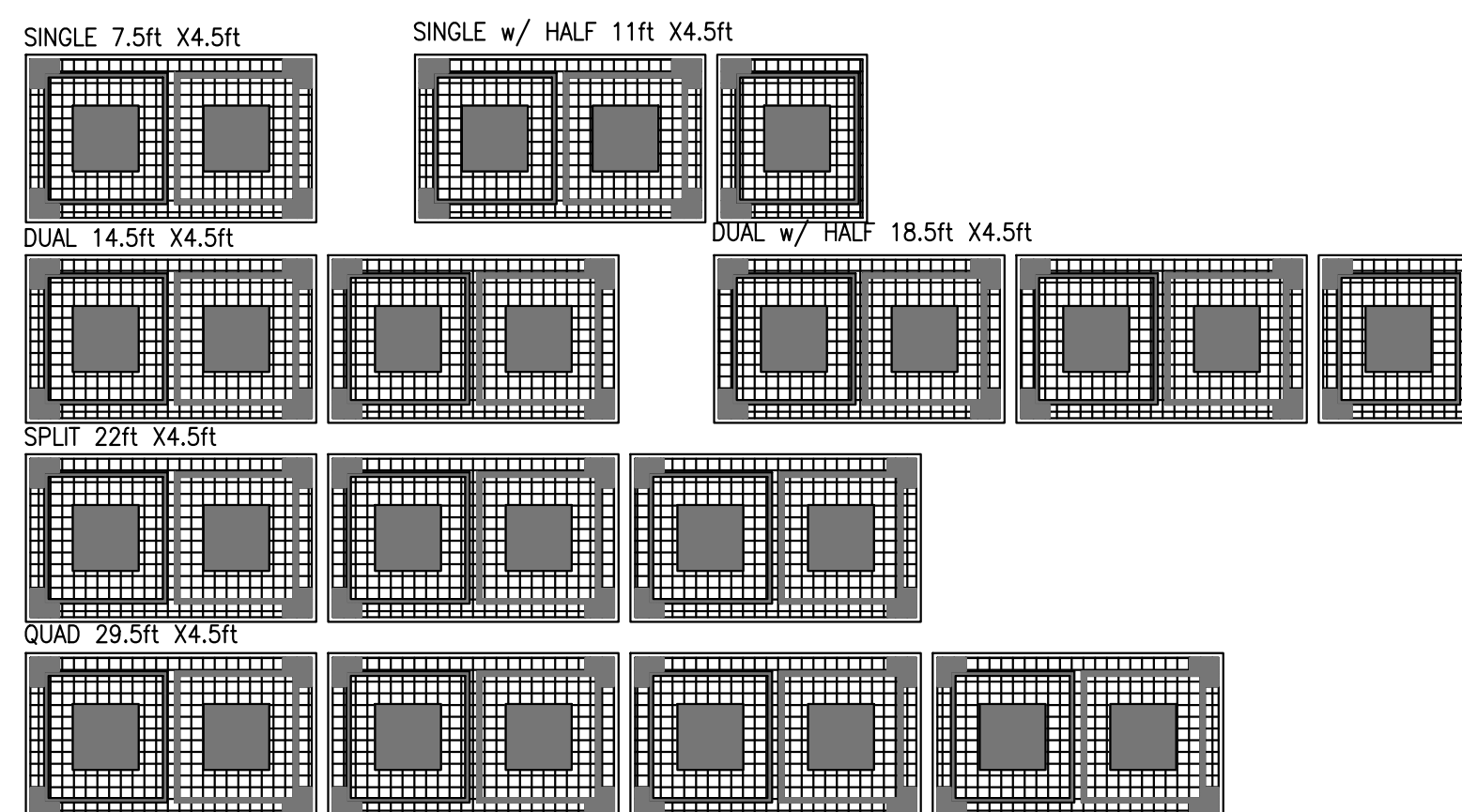
8 RFID TAP PAD DETAIL
N.T.S.

GENERAL NOTES:
• THIS DETAIL IS DIAGRAMMATIC. CONTRACTOR SHALL REFER TO PROJECT SPECIFIC FLOOR PLAN FOR ACTUAL SITE CONDITIONS/REQUIREMENTS.
• CONTRACTOR SHALL COORDINATE THE EAS SYSTEM WITH VENDOR AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. PRIOR TO ROUGH-IN.
• ALL EQUIPMENT INSTALLED IN A PLENUM SPACE MUST BE RATED FOR PLENUM, OR SHALL HAVE ADDITIONAL EQUIPMENT/ENCLOSURES INSTALLED TO MEET PLENUM REQUIREMENTS.
• VENDOR CONTRACTOR SHALL VERIFY PROPER MOUNTING EQUIPMENT AND APPROVED SURFACES, WHERE REQUIRED.
• DO NOT COIL ANY EXCESS WIRE, AS IT MAY LEAD TO UNRELIABLE OPERATION OF THE SYSTEM.
• COORDINATE ACCESS TO ALL EQUIPMENT INSTALLED ABOVE CEILING OR VOID SPACES.
• CONTRACTOR SHALL PROVIDE ALL REQUIRED CONDUIT, INCLUDING CONDUIT FOR LOW VOLTAGE WIRING WHEN REQUIRED BY CODE.

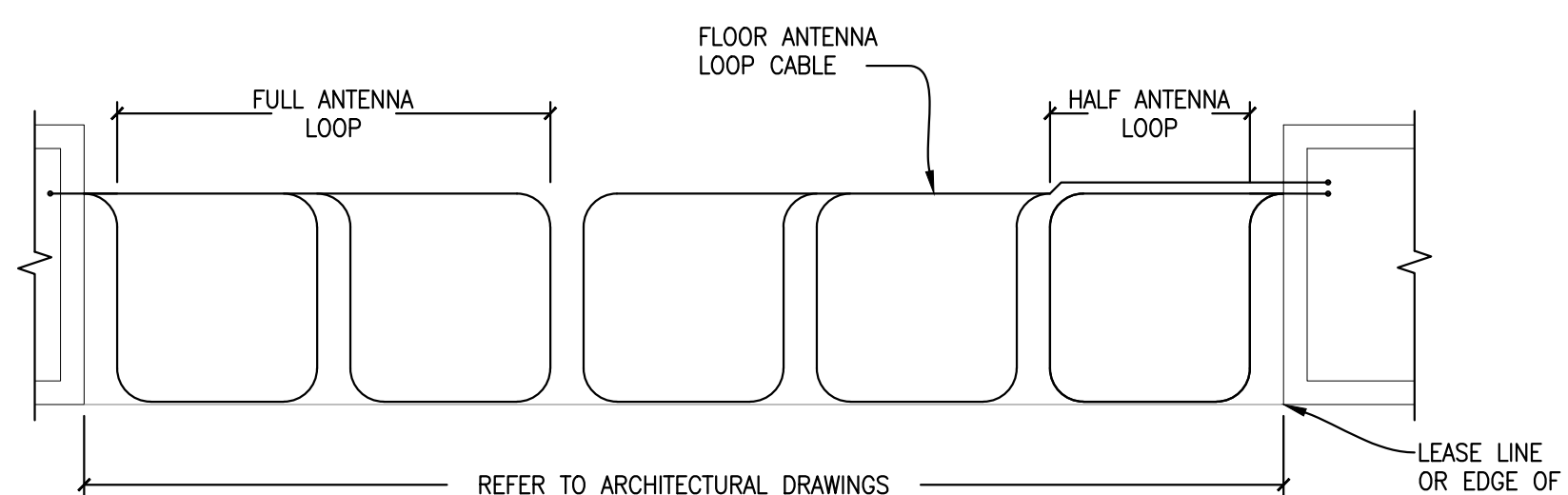


ELEVATION VIEW

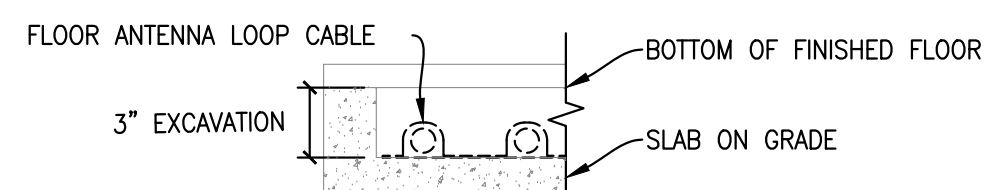
DESCRIPTION	DIMENSION
A SURFACE TO ANTENNA	2.5 CENTIMETERS (1 INCH) MINIMUM FOR BARE FLOORS 1.3 CENTIMETERS (0.5 INCH) MINIMUM FOR FLOORS COVERED WITH HARD FLOOR COVERING
B ANTENNA COIL THICKNESS	2.5 CENTIMETERS (1 INCH)
C THICKNESS OF PVC CONDUIT	1.9 CENTIMETER (0.75 INCH)
D TRAY AND TILE THICKNESS	1.2 CENTIMETER (0.47 INCH)
E DEPTH OF EXCAVATION	7 CENTIMETERS (2.75 INCH) FOR BARE FLOOR WITH NO SHIELD TILES 5.7 CENTIMETERS (2.25 INCHES) FOR COVERED FLOORS WITH NO SHIELD TILES 8.9 CENTIMETERS (3.5 INCHES) FOR A BARE FLOOR WITH SHIELD TILES 8.3 CENTIMETERS (3.25 INCHES) FOR COVERED FLOOR WITH SHIELD TILES



SHIELDED TILE EXCAVATION SPECS



PLAN VIEW



SECTION VIEW

SYSTEM NOTES:
• CAN COVER WIDER ENTRIES (UP TO 27.5')
• INTENDED FOR PRE-CONSTRUCTION INSTALLATION
• REQUIRE PIT EXCAVATION AT A SITE WHERE AN EXISTING FLOOR HAS BEEN POURED
• 4' DETECTION HEIGHT
• PIT EXCAVATION DEPTH OF 3" REQUIRED TO FIT THE ANTENNA AND SHIELDED TILES

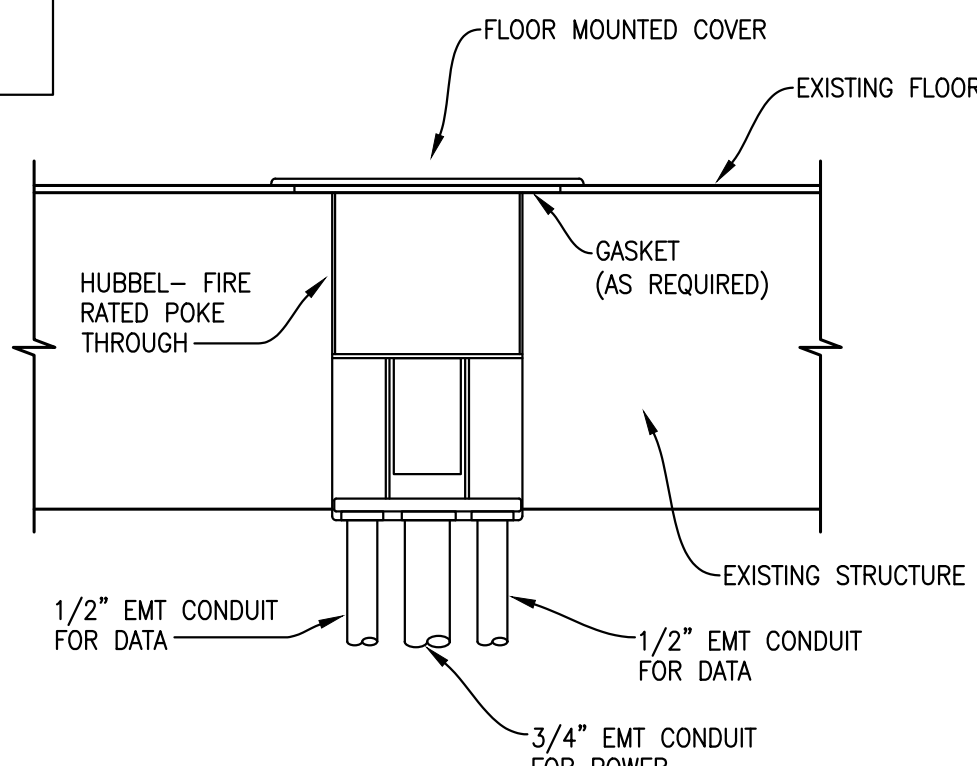
PART NUMBERS:
• FLOOR SHIELD = ZP3031-SHIELD

7 EAS SYSTEM DETAILS
AMS-3031 SYSTEM

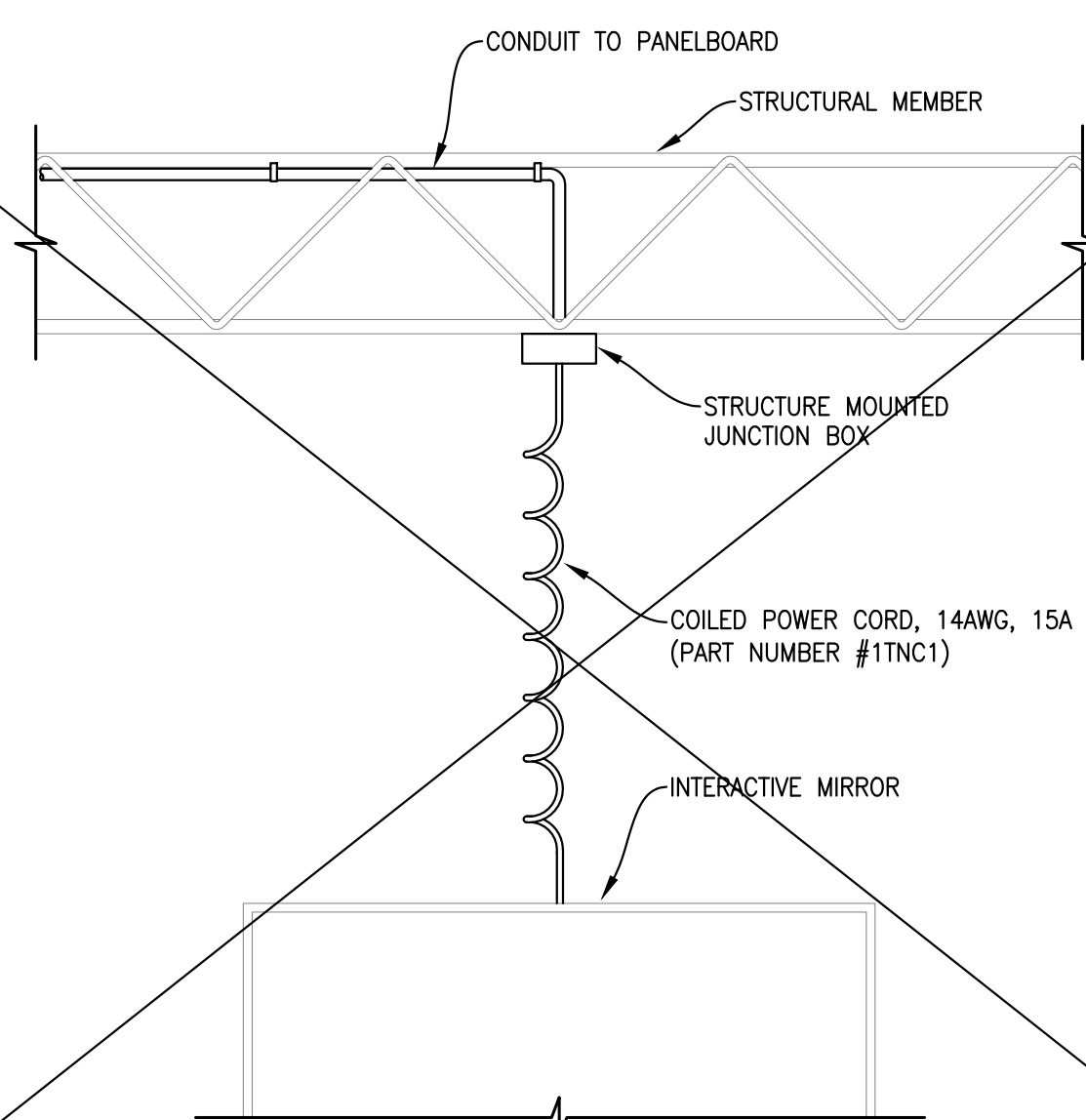
COVER:
STRACVIRALU OR EQUAL
BRUSHED ALUMINUM FINISH

ALTERNATE FINISHES AVAILABLE:
BRONZE, BRASS, NICKEL, GRAY,
BLACK

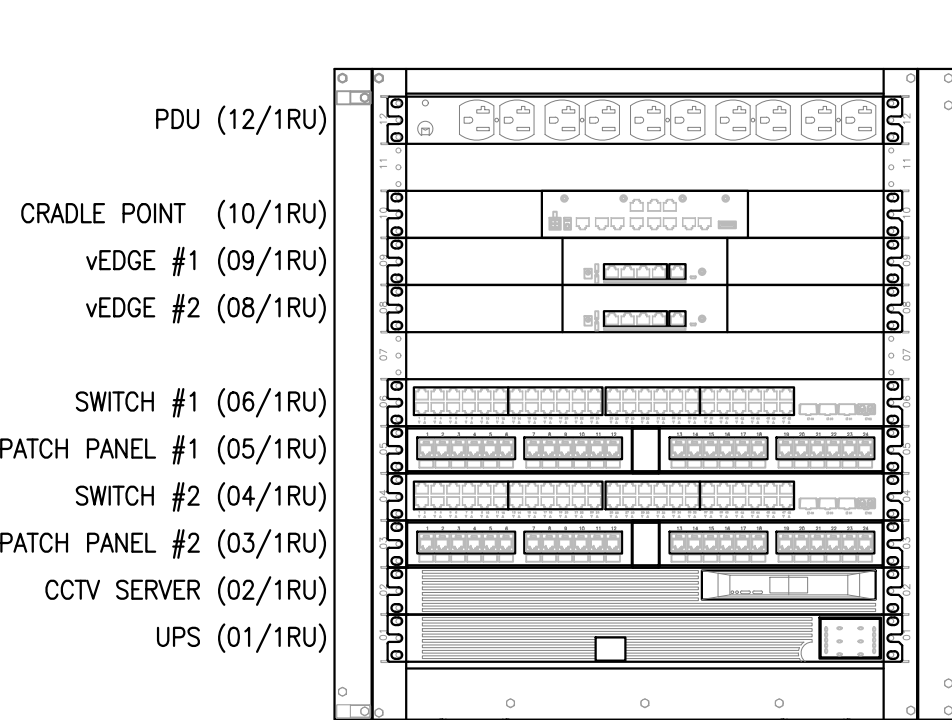
COORDINATE ALTERNATE
FINISHES WITH ARCHITECT



10 FIRE RATED POKE THRU
N.T.S.



9 MIRROR PIGTAIL DROP
N.T.S.



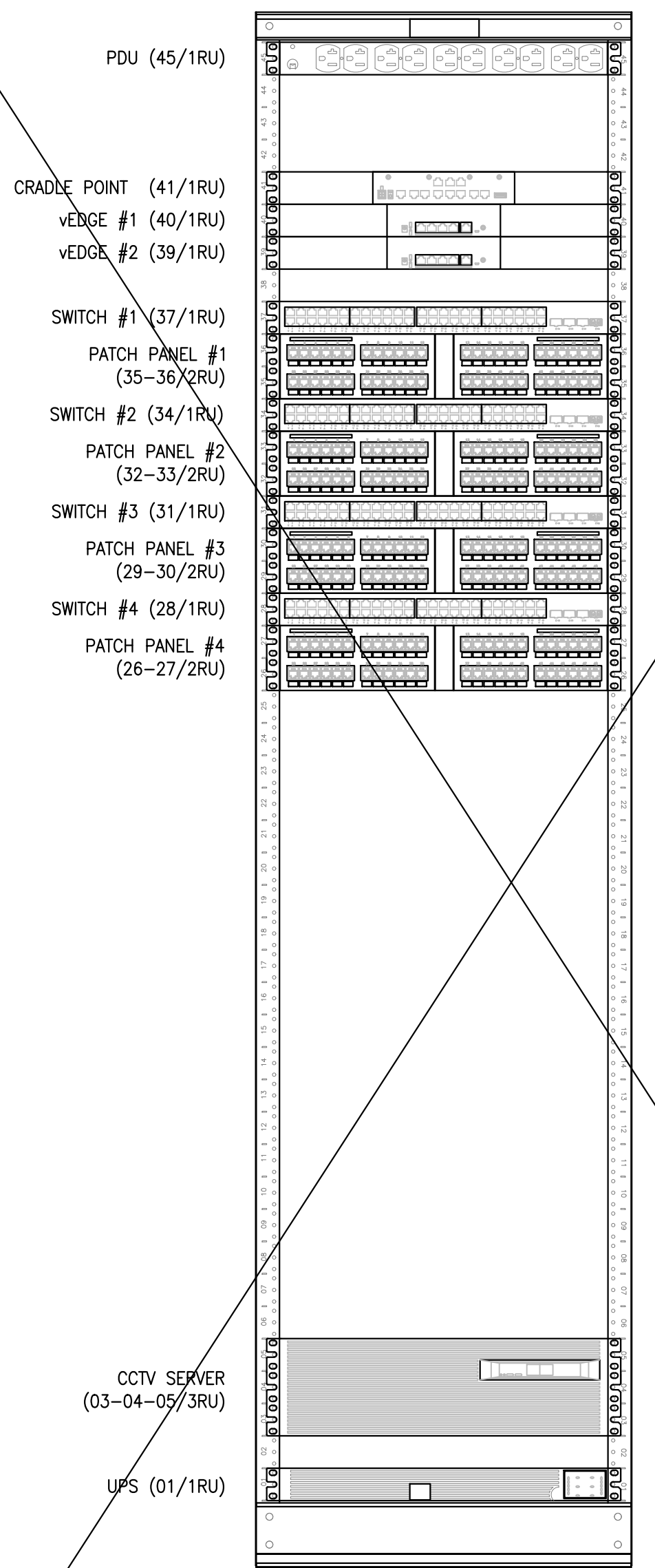
LOCKABLE CABINET

NOTE:
REFER TO CABLING INSTALLATION SCOPE OF WORK FOR IT RACK/CABINET REQUIREMENTS. COORDINATE CABLING MANAGEMENT REQUIREMENTS WITH NETWORK VENDOR.

NOTE:
ENSURE THE CABINET IS LOCKED ONCE LV INSTALLATION IS COMPLETE AND KEYS ARE GIVEN TO CC. KEYS ARE ONLY TO BE PROVIDED FOR THE CAMERA INSTALLATION AND THEN HANDED OVER AT TURNOVER TO STORE MANAGER FOR STORAGE IN THE SMALL SAFE AT THE CASH DESK.

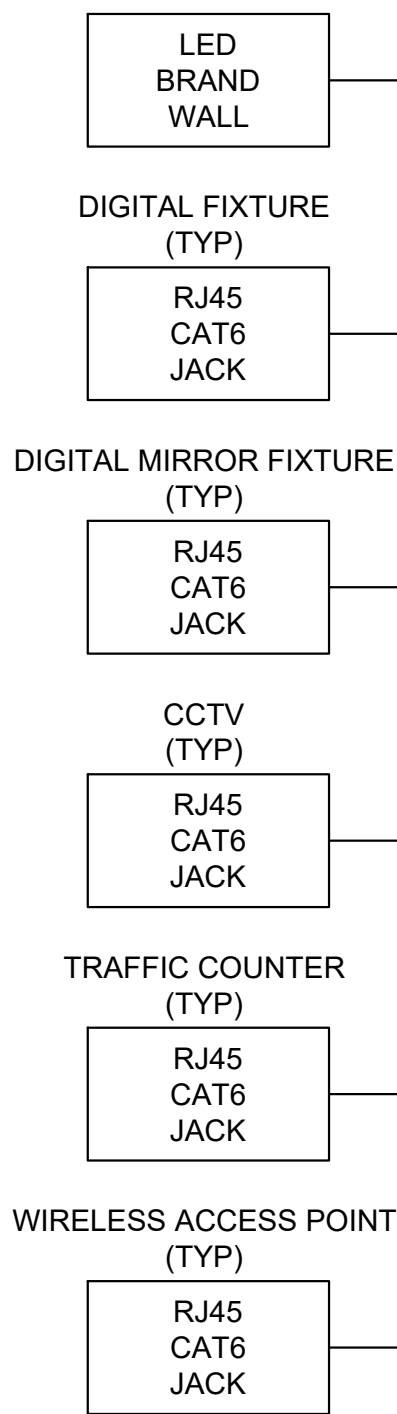
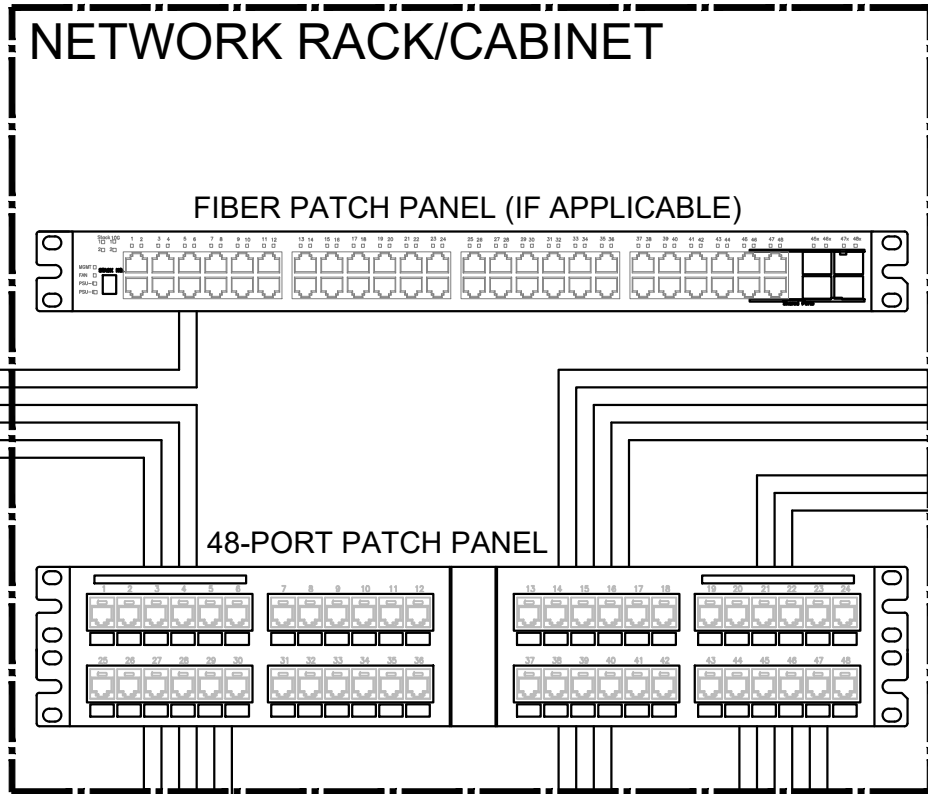
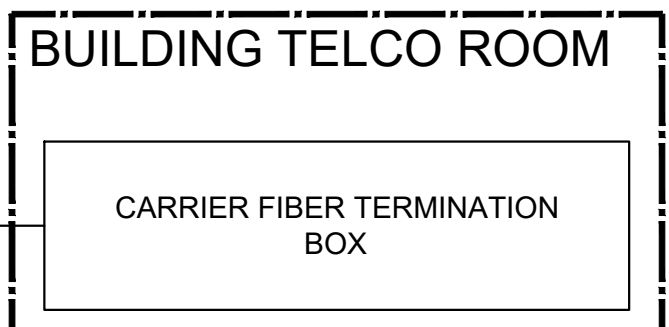
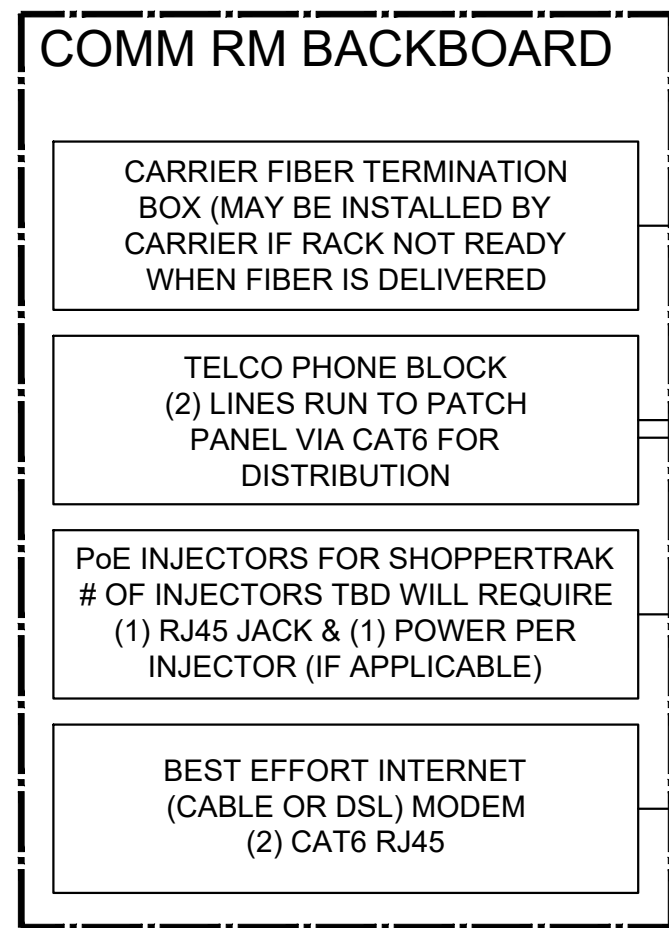
NOTE:
WALL MOUNTED CABINET MAY BE USED WHEN NETWORK CLOSET IS NOT INCLUDED IN DESIGN. COORDINATE EXACT MOUNTING AND LOCATION WITH ARCHITECT.

6 NETWORK CABINET ILLUSTRATION DETAIL
N.T.S. (FOR REFERENCE ONLY)

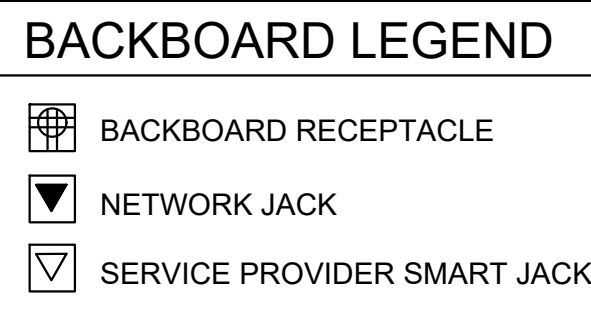
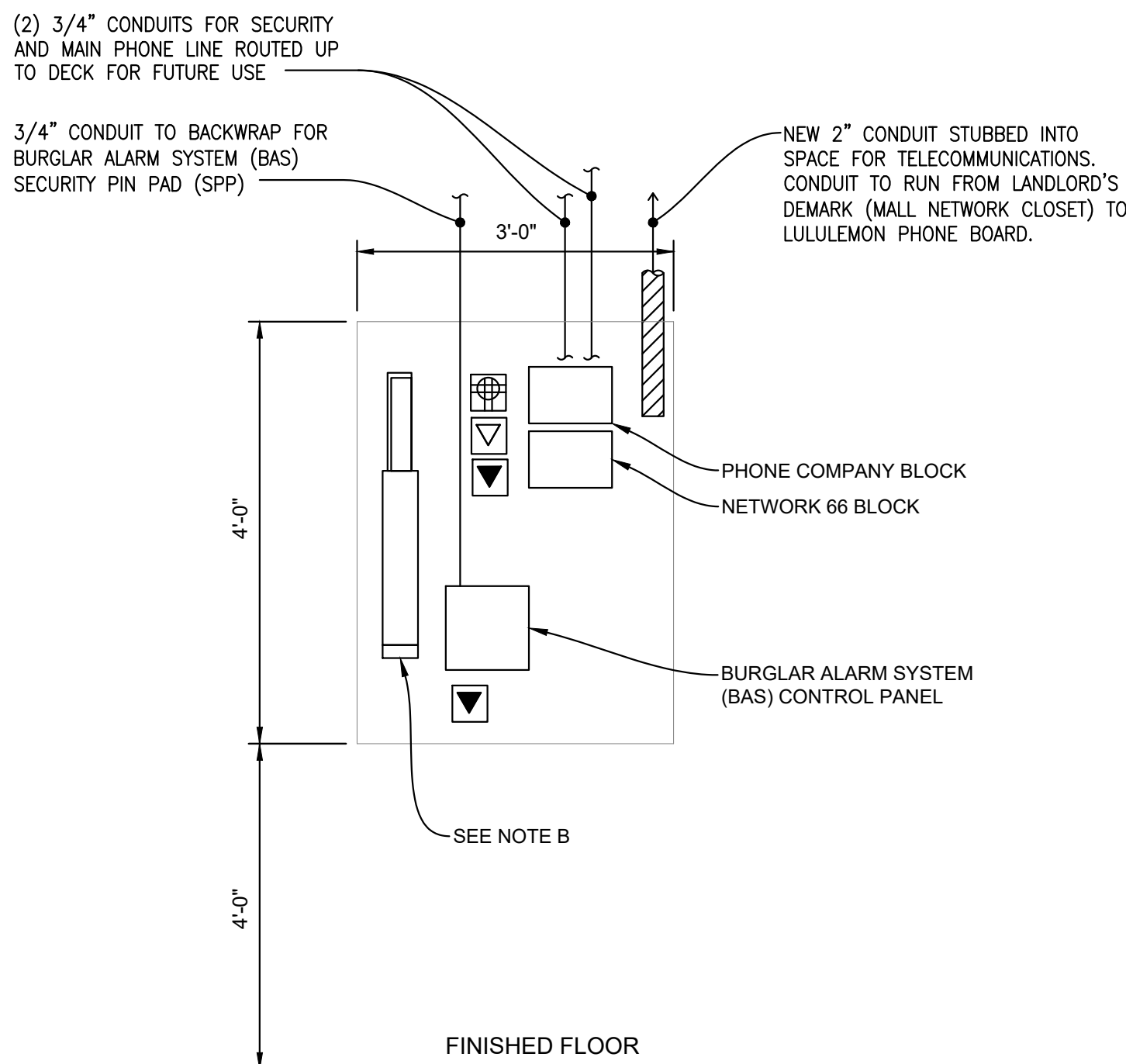


FLOOR MOUNTED 2-POST RACK

6 NETWORK RACK ILLUSTRATION DETAIL
N.T.S. (FOR REFERENCE ONLY)



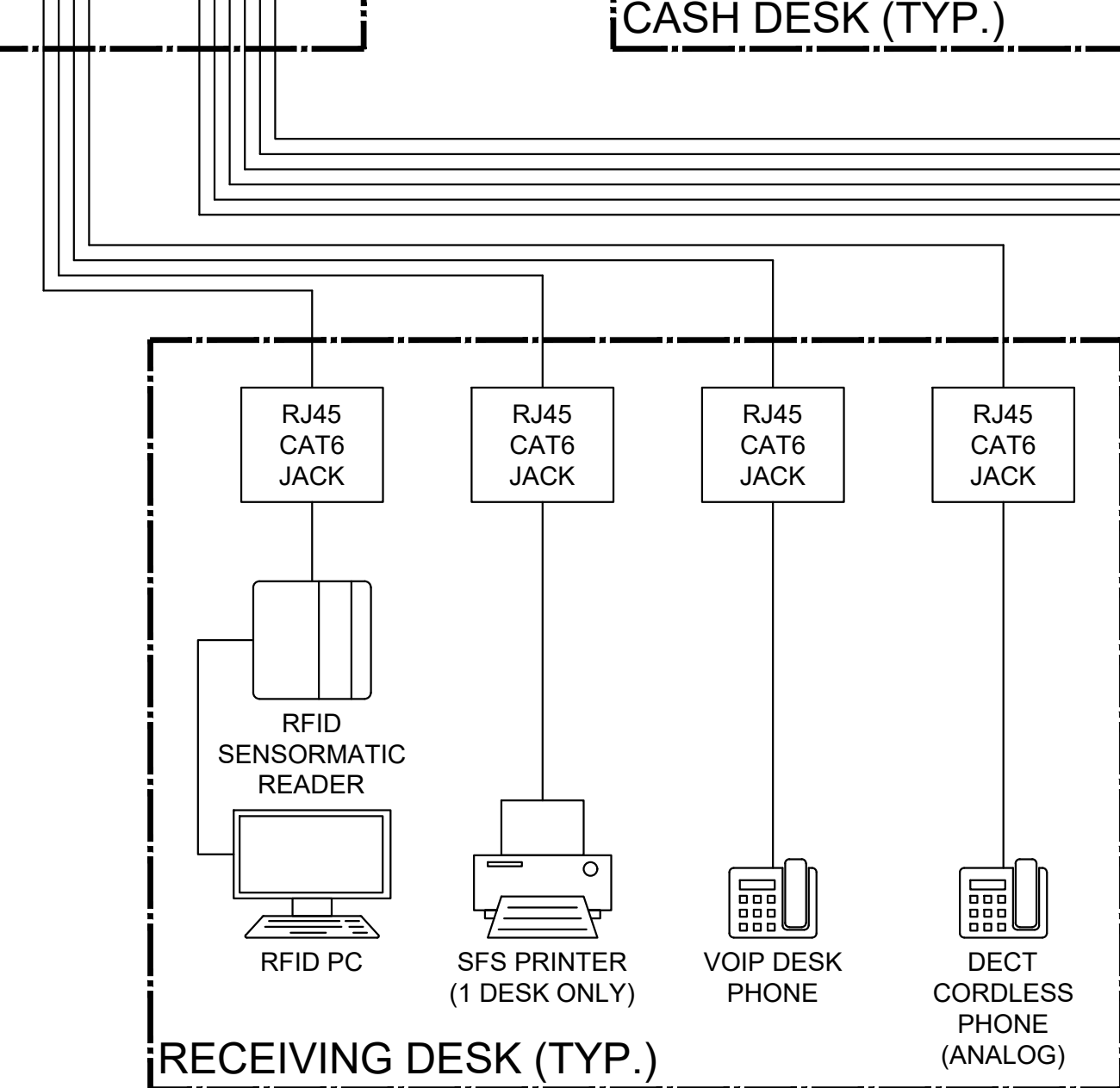
ALL LOW VOLTAGE CABLES TO BE FREE RUN IN CEILING SPACE NEATLY STRAPPED (CODE PERMITTING). CONDUIT TO BE RUN FROM MILLWORK UP WALL AND STUBBED INTO CEILING SPACE ABOVE (TYP.)



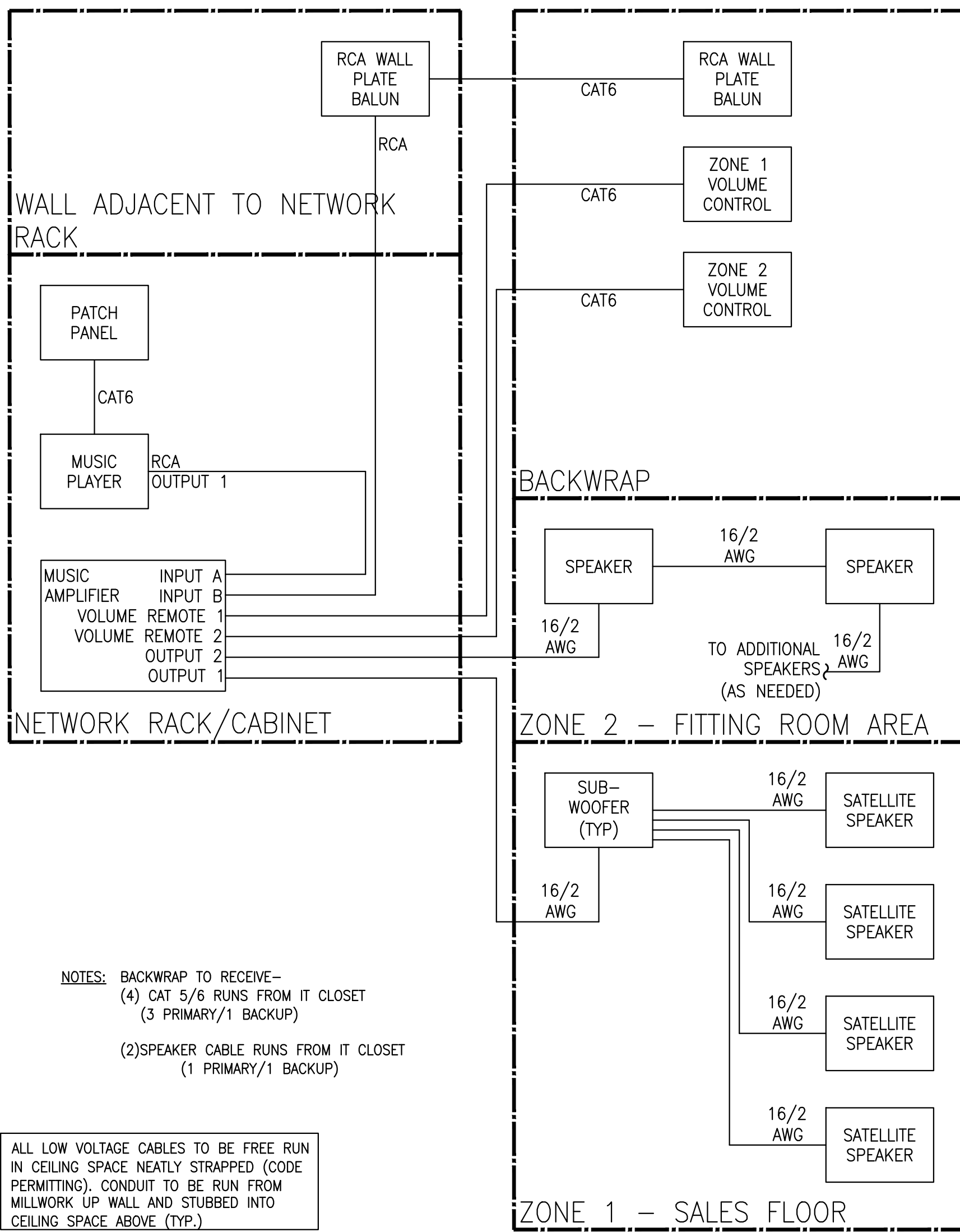
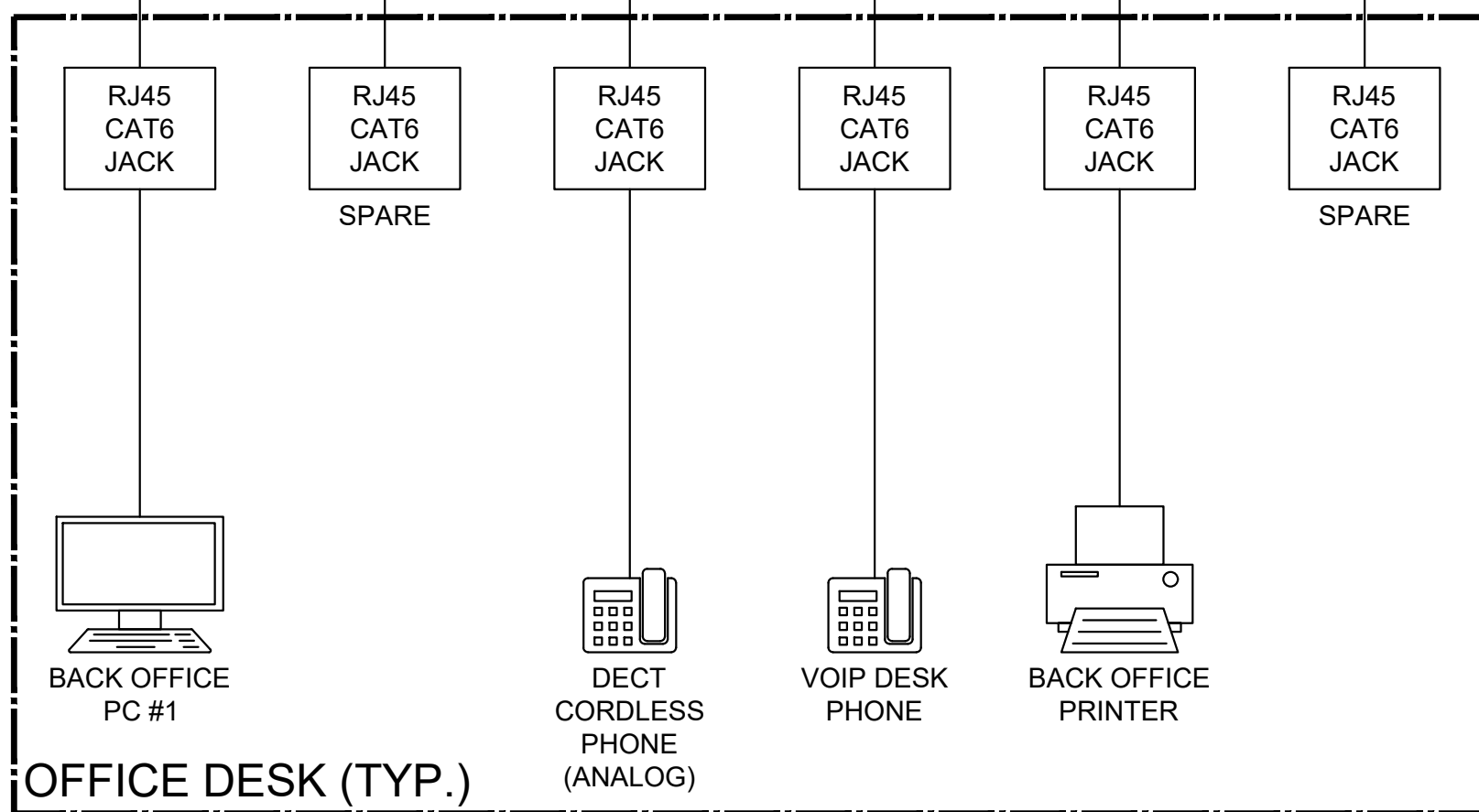
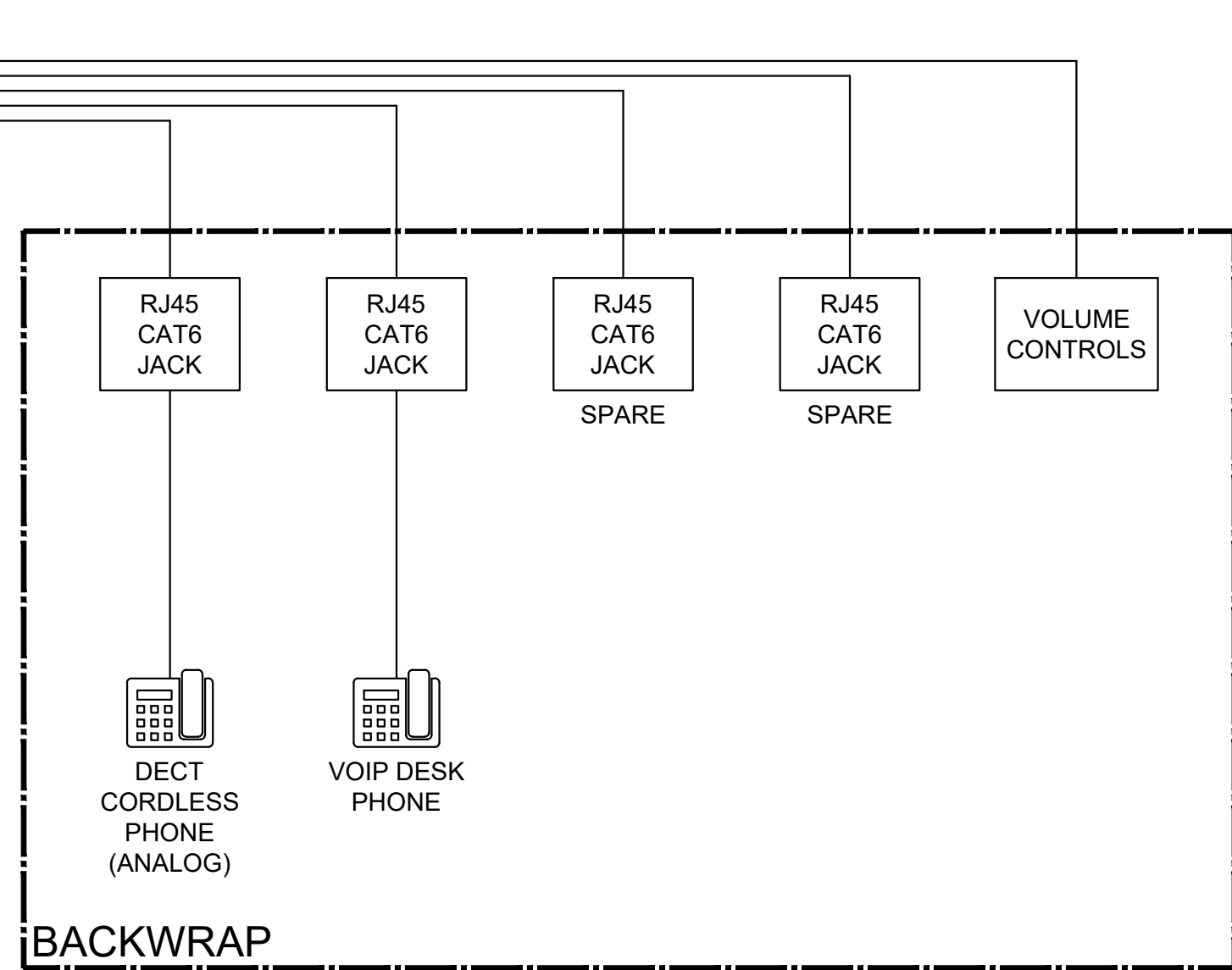
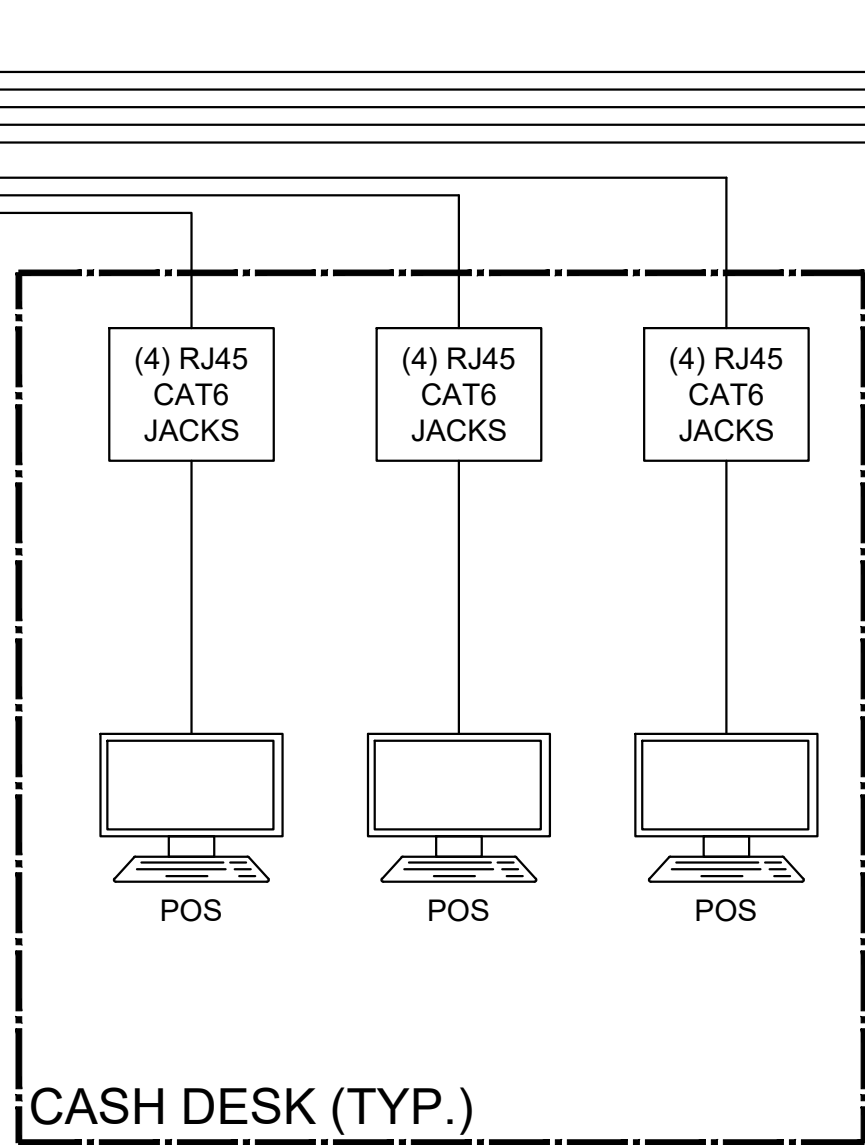
TELEPHONE BACKBOARD DETAIL NOTES:

- ALL WIRES SHALL BE STAPLED TO PANEL. ALL EXCESS WIRES SHALL BE COILED AND ZIP-TIED.
- 4" PVC PLAN TUBE WITH CAP.
- PROVIDE TELEPHONE BACKBOARD AS FIRE RATED PLYWOOD, SIZED AS INDICATED, MOUNTED TO WALL, PAINT TO MATCH ADJACENT WALL.
- INSTALL TELEPHONE BACKBOARD BY END OF WEEK 3 OF CONSTRUCTION.

4 TELEPHONE BACKBOARD DETAIL
N.T.S. (FOR REFERENCE ONLY)



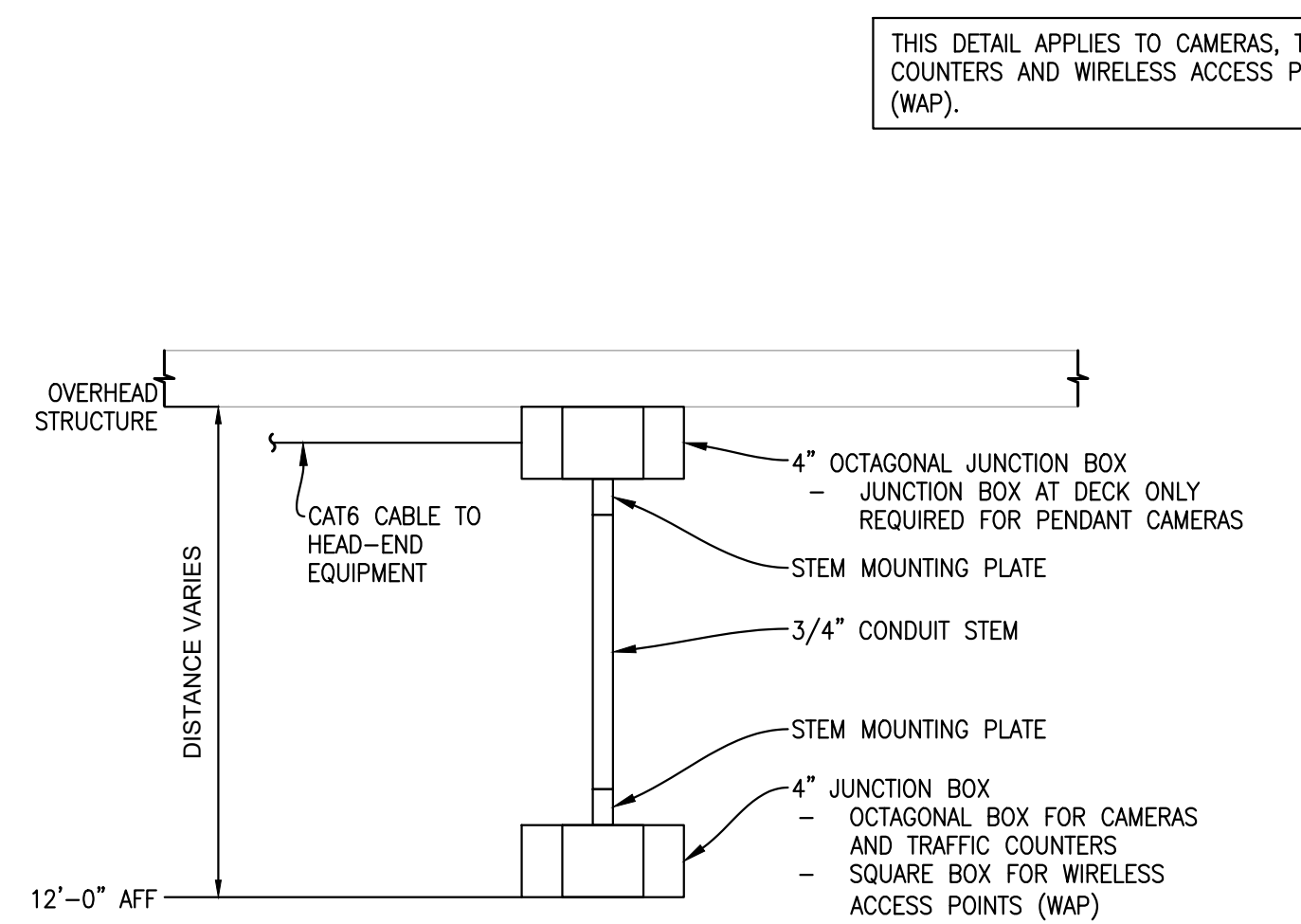
5 STORE NETWORK WIRING DETAIL
N.T.S.



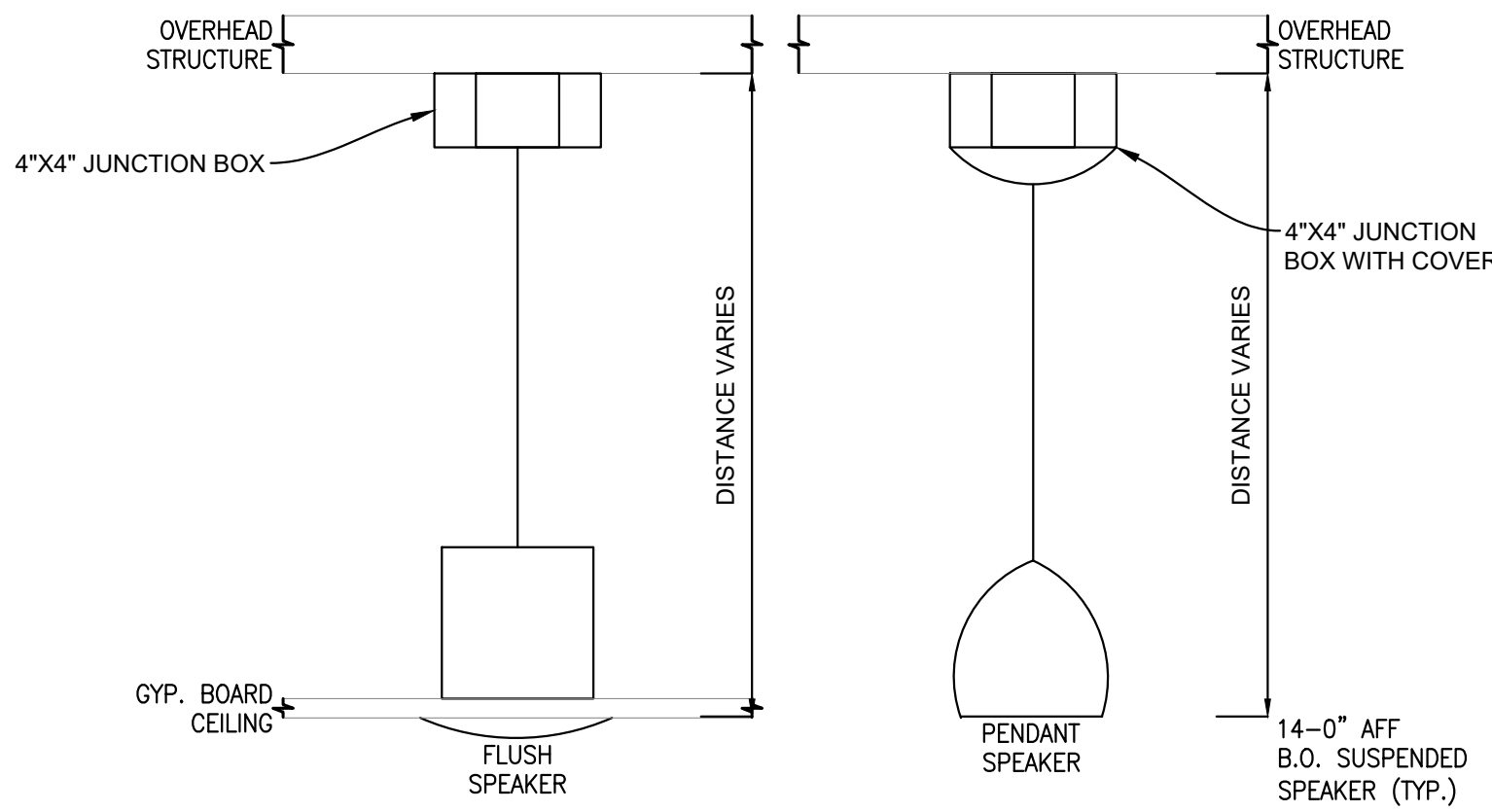
NOTES: BACKWRAP TO RECEIVE--
(4) CAT 5/6 RUNS FROM IT CLOSET (3 PRIMARY/1 BACKUP)
(2)SPEAKER CABLE RUNS FROM IT CLOSET (1 PRIMARY/1 BACKUP)

ALL LOW VOLTAGE CABLES TO BE FREE RUN IN CEILING SPACE NEATLY STRAPPED (CODE PERMITTING). CONDUIT TO BE RUN FROM MILLWORK UP WALL AND STUBBED INTO CEILING SPACE ABOVE (TYP.)

3 SOUND SYSTEM WIRING DETAIL
N.T.S.



2 OVERHEAD PENDANT J-BOX DETAIL
N.T.S.



1 SPEAKER MOUNTING DETAIL
N.T.S.



1818 CORNWALL AVE.
VANCOUVER, B.C., V6J1C7

SUMMIT FAIR MALL

910 NW BLUE PKWY,
SUITE G, LEE'S SUMMIT
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STRUCTURAL ENGINEER

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SEAL

LICENSED NAME, ARCHITECT

REVISED PER CITY COMMENTS

09/16/2025

DATE	DESCRIPTION
07/29/2025	ISSUED FOR CD REVIEW
08/25/2025	ISSUED FOR PERMIT & BID
09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION
PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

ELECTRICAL DETAILS

DRAWING NUMBER

E511



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1 09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION

PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

ELECTRICAL SPECIFICATIONS

DRAWING NUMBER

E610

ELECTRICAL SPECIFICATIONS

GENERAL CONDITIONS:

- THE REQUIREMENTS AS SET FORTH UNDER GENERAL CONDITIONS, INSTRUCTIONS TO BIDDERS AND GENERAL REQUIREMENTS ARE A PART OF THIS CONTRACT.
- BIDS SHALL BE BASED ON A COMPLETE/FULL SET OF DRAWINGS.
- CONTRACTOR MUST READ THE ENTIRE SPECIFICATIONS COVERING OTHER BRANCHES OF WORK AND IS RESPONSIBLE FOR COORDINATION OF THE WORK WITH WORK PERFORMED BY OTHER TRADES.

SCOPE OF WORK:

- CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING. BIDS SHALL SERVE AS EVIDENCE OF KNOWLEDGE OF EXISTING CONDITIONS. ALL REQUIREMENTS INCLUDING MODIFICATIONS WHICH ARE REQUIRED TO MEET THE INTENT OF THE DRAWINGS AND SPECIFICATIONS ARE TO BE OBTAINED BY ELECTRICAL CONTRACTOR PRIOR TO AND INCLUDED IN BID PRICE. FIELD VERIFY ALL EXISTING ELECTRICAL AND TELEPHONE EQUIPMENT, LOCATIONS, CONDITIONS ETC. FAILURE TO VISIT THE SITE SHALL NOT RELIEVE THE CONTRACTOR FROM ANY RESPONSIBILITY IN THE PERFORMANCE OF THE ELECTRICAL WORK.
- FURNISH ALL LABOR, MATERIALS, TESTING, EQUIPMENT, INCIDENTALS AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.
 - MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND AS SUCH APPEAR ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
- THE WORK IS TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- INCLUDE ANY LABOR AND MATERIALS NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO PROVIDE A COMPLETE AND FULLY OPERATIVE ELECTRICAL SYSTEMS.

PERMITS:

- SECURE AND PAY FOR ALL REQUIRED PERMITS, FEES, ASSESSMENTS AND INSPECTION CERTIFICATES THAT RELATE TO THE ELECTRICAL CONTRACT.
- FURNISH APPROVED CERTIFICATE OF FINAL INSPECTION, AND TURN OVER TO OWNER AT COMPLETION OF PROJECT.

DRAWINGS AND SPECIFICATIONS:

- THIS ELECTRICAL PLANS ARE DIAGRAMMATIC, NOT SHOWING EVERY ITEM IN EXACT LOCATION OR DETAIL. MEASUREMENTS AND LOCATIONS MUST BE FIELD VERIFIED AND COORDINATED WITH ARCHITECTURAL, PLUMBING, HVAC, FIRE PROTECTION, FIRE ALARM, STRUCTURAL, AND OTHER BUILDING DRAWINGS.

SHOP DRAWINGS:

- SUBMIT FIVE COPIES OF MATERIAL LISTS AND SHOP DRAWINGS FOR MAJOR EQUIPMENT TO THE OWNERS CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO ORDERING EQUIPMENT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS EARLY ENOUGH IN PROJECT TO ALLOW AMPLE TIME FOR OWNERS REVIEW WITHIN CAUSING TIME DELAYS OR CONFLICTS IN THE JOB PROGRESS. SUBMITTALS SHALL BE IN ACCORDANCE WITH GENERAL CONDITIONS AND THE MANUFACTURERS LISTED ON THE DRAWINGS AND SHALL BEAR THE STAMP OF THE CONTRACTOR SHOWING THAT HE HAS REVIEWED AND APPROVED THEM AND THAT THEY ARE IN CONFORMANCE WITH THE CONTRACT DRAWINGS. LACK OF SUCH CONTRACTOR'S APPROVAL WILL BE CAUSE FOR REJECTION WITHOUT REVIEW BY THE OWNER.
- WHERE TRADE NAMES, BRANDS OF MANUFACTURERS OF EQUIPMENT OR MATERIALS ARE SHOWN ON THE DRAWINGS OR SPECIFICATIONS THE EXACT EQUIPMENT SHALL BE USED ON THE PROJECT. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE SUBJECT TO THE REQUEST OF THE OWNER'S REMOVAL/REPLACEMENT AT THE REQUEST OF THE OWNER'S CONSTRUCTION MANAGER (AT THE ELECTRICAL CONTRACTOR'S EXPENSE).

CONDUITS:

- CONDUIT SHALL BE STANDARD STEEL RIGID, IMC OR EMT (THIN WALL) ACCORDING TO LOCAL CODE AND LANDLORD REQUIREMENTS. CONDUIT SHALL BE CONCEALED IN FINISHED AREAS, EXCEPT AS OTHERWISE APPROVED BY ARCHITECT. EMT CONNECTIONS SHALL BE COMPRESSION OR SET SCREW TYPE.
- FLEXIBLE CONDUIT OR TYPE MC CABLE SHALL BE USED FOR FINAL CONNECTIONS TO LIGHT FIXTURES, MOTORS AND VIBRATING EQUIPMENT ONLY, AND WHERE SO USED TO BE GROUNDED WITH A SEPARATE FULL SIZED GREEN GROUNDING CONDUCTOR. FINAL TYPE MC/FLEX CONNECTIONS SHALL BE LIMITED TO 6'-0" IN LENGTH. (ARRANGE CIRCUITS SO AS TO AVOID THE USE OF JUNCTION BOXES ABOVE DRYWALL, CEILING AREAS, JUNCTION BOXES LOCATED ABOVE LAY-IN CEILINGS ARE ACCEPTABLE.)
 - MINIMUM SIZES OF CONDUITS SHALL BE 3/4" FOR STANDARD CONDUIT, AND 1/2" FOR FLEX CONDUIT (1/2" STANDARD CONDUIT AND 3/8" MC CABLE MAY BE USED AS SPECIFIED ABOVE, IF ACCEPTABLE WITH LANDLORD AND LOCAL CODES. ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE WITH LANDLORD & INSPECTION AGENCIES PRIOR TO INSTALLATION). ELECTRIC METALLIC TUBING (EMT) SHALL BE GALVANIZED OR ELECTRO-GALVANIZED. FITTINGS SHALL BE SET SCREW OR COMPRESSION TYPE, FITTING SHALL BE AS MANUFACTURED BY REGEL, STEEL CITY, RACO, T & B, EFCOR OR EQUAL. EMT SHALL BE USED FOR FEEDERS AND BRANCH CIRCUITS RUN ABOVE SUSPENDED CEILINGS OR CONCEALED IN INTERIOR PARTITIONS.
 - PAINTING OF ELECTRICAL CONDUITS, ETC., IF REQUIRED, WILL BE BY GENERAL CONTRACTOR.
- THE USE OF ROMEX OR BX IS NOT PERMITTED.
- MAXIMUM CONDUIT HANGER SPACING SHALL BE 8'-0" FOR 3/4" THRU 1 1/4" AND 10'-0" FOR 1 1/2" THRU 4" CONDUITS. DO NOT SUPPORT CONDUIT FROM THE CEILING SYSTEM.

- LEAVE A #10 AWG PULL WIRE OR NYLON PULL STRING IN ALL EMPTY CONDUITS.
- SECURE ALL RACEWAYS TO THE BUILDING STRUCTURE IN A RIGID AND SECURE MANNER, USING FASTENERS SUCH AS "CADDY CLIPS" OR EQUAL.
- FLASH AND COUNTERFLASH ALL RACEWAYS WHICH PENETRATE THE ROOF OR USE PITCH POCKETS. INSURE THAT PENETRATIONS ARE COMPLETELY WEATHERPROOF. ALL RACEWAY SYSTEMS EXPOSED TO THE WEATHER SHALL BE WEATHERPROOF. PRIOR APPROVAL BY LANDLORD IS REQUIRED TO ADD ADDITIONAL EQUIPMENT LOADS TO STRUCTURE OR TO MAKE HOLES IN EXISTING ROOF. NOTIFY LANDLORD'S ROOFING CONTRACTOR AT LEAST 72 HOURS PRIOR TO ANY REQUIRED ROOF WORK.

WIRE:

- WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 600 VOLT INSULATION. MINIMUM WIRE SIZE SHALL BE #12 AWG. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE BROUGHT TO THE SITE IN UNBROKEN PACKAGES. ALL WIRING OF ANY TYPE SHALL BE IN CONDUIT. NO STRANDED WIRE ALLOWED FOR #10 AND #12 AWG.

MINIMUM WIRE SIZE - 20 AMP BRANCH CIRCUIT SHALL BE AWG LISTED SIZE PER DISTANCE SHOWN BELOW. DISTANCE SHALL BE MEASURED FROM THE PANELBOARD CIRCUIT BREAKER TO THE FARTHEST OUTLET.
 - #12 LESS THAN 100 FEET
 - #10 BETWEEN 100-150 FEET
 - #8 BETWEEN 150-250 FEET
 - #6 OVER 250 FEET
- GENERAL WIRING SHALL BE THW OR THHN. (ALUMINUM CONDUCTORS ARE NOT PERMITTED).
- WIRE CONNECTORS SHALL BE EQUAL TO SCOTCHLOCK FOR #6 AND SMALLER, AND EQUAL TO T & B "LOCK-TITE" FOR #6 AND LARGER.
- THE SHARING OF NEUTRAL'S IN THE SALES AREA IS ACCEPTABLE. PROVIDED THAT HANDLE TIES OR MULTIPLE POLE CIRCUIT BREAKERS ARE USED PER NEC 210.4(B). ALL OTHER EQUIPMENT REQUIRING A NEUTRAL CONDUCTOR SHALL HAVE A DEDICATED FULL SIZE NEUTRAL.
- ALL WIRING TO BE COLOR CODED AS FOLLOWS:

120/208 VOLT SYSTEM	277/480 VOLT SYSTEM
NEUTRAL - WHITE	NEUTRAL - WHITE WITH TRACER OR GRAY
PHASE A OR L1-BLACK	PHASE A OR L1-BROWN
PHASE B OR L2-RED	PHASE B OR L2-ORANGE
PHASE C OR L3-BLUE	PHASE C OR L3-YELLOW
GROUND-GREEN	GROUND-GREEN WITH TRACER

LIGHTING:

- LIGHTING FIXTURES AND LAMPS SHALL BE FURNISHED AS SCHEDULED ON THE LIGHTING FIXTURE SCHEDULE. ELECTRICAL CONTRACTOR SHALL INSTALL ALL FIXTURES AND LAMPS. FLUORESCENT FIXTURES SHALL HAVE HPF BALLASTS WITH EFFICIENCY FACTORS IN ACCORDANCE WITH THE LOCALLY ADOPTED ENERGY CODE.
- LIGHT FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURAL. 12GA WIRE SUPPORT TO OPPOSING CORNERS OF EACH RECESSED LIGHTING FIXTURE IN SUSPENDED CEILINGS. INSTALLATION SHALL CONFORM TO UBC NO 25.213 AND 25.214.

WIRED GROUND SYSTEM:

- FURNISH AND INSTALL A COMPLETE WIRED GROUNDING SYSTEM FOR ELECTRICAL EQUIPMENT AND CIRCUITS AS SHOWN ON THE DRAWINGS AND DESCRIBED GENERALLY BELOW.
- ALL GROUNDING CONDUCTORS SHALL BE GREEN, WHERE EXPOSED IN PANEL, SWITCHBOARD, OUTLET, BOXES, ETC.
- ALL ENCLOSURES AND NON-CURRENT CARRYING METALS TO BE GROUNDED. CONDUIT SYSTEM TO BE ELECTRICALLY CONTINUOUS. ALL LOCK NUTS MUST CUT THROUGH ENAMELED OR PAINTED SURFACES ON ENCLOSURES. WHERE ENCLOSURES AND NON-CURRENT CARRYING METALS ARE ISOLATED FROM THE CONDUIT SYSTEM, USE BONDING JUMPERS WITH APPROVED CLAMPS.
- RUN A SEPARATE GROUNDING CONDUCTOR IN EACH CONDUIT. #12 MINIMUM, OR AS SHOWN ON DRAWINGS. FOR PANEL FEEDERS BOND THE GROUNDING CONDUCTOR TO THE CONDUIT, WHERE ENTERING AND LEAVING THE CONDUIT. ALL GROUND CLAMPS SHALL BE PENN-JUNIOR OR EQUAL, SIMILAR TO "CPL" TYPE. CONDUIT GROUND BUSHINGS SHALL BE THOMAS & BETTS OR EQUAL, SIMILAR TO #3800 SERIES WITH NYLON INSULATED THROAT.
- ALL DEVICES SHALL BE BONDED TO THE CONDUIT SYSTEM. USE A BONDING JUMPER BETWEEN THE OUTLET BOX AND THE DEVICE GROUNDING TERMINAL. METAL-TO-METAL CONTACT BETWEEN THE DEVICE YOE AND THE OUTLET BOX IS NOT ACCEPTABLE AS A BOND FOR EITHER SURFACE MOUNTED BOXES OR FLUSH TYPE BOXES. ALL JUNCTION BOXES, OUTLET BOXES AND PULL BOXES SHALL BE BONDED TO THE CONDUIT SYSTEM. ALL FLEXIBLE CONDUIT SHALL BE JUMPERED WITH A GROUND CONDUCTOR.

WIRE DEVICES:

- COLOR OF WIRING DEVICES AND COVERPLATES SHALL BE SELECTED BY ARCHITECT. (SEE PLAN NOTES FOR ADDITIONAL INFORMATION).
- RECEPTACLES SHALL BE 20 AMP, 3-WIRE GROUNDING TYPE EQUAL TO HUBBELL 5362.
- SWITCHES SHALL BE 20 AMP SPECIFICATION GRADE, RATED AT 120 OR 277 VOLT, AS REQUIRED.
- SPECIAL DEVICES SHALL BE A SPECIFICATION GRADE.
- FLOOR BOXES TO BE HUBBELL #B-2527/29 WITH S-3925 BRASS COVER (OR EQUAL BY "STEEL CITY") AND HUBBELL 5362 RECEPTACLE (UNLESS OTHERWISE NOTED).
- EQUAL BY ARROW-HART, GENERAL ELECTRIC, BRYANT, PASS & SEYMOUR, OR SIERRA.

PANELBOARDS AND SAFETY SWITCHES:

- PROVIDE BRANCH CIRCUIT PANELS WHICH SHALL BE OF THE BOLTED CIRCUIT BREAKER TYPE WITH SOLID COPPER BUSSING FULL SIZED NEUTRAL, 25% GROUND BUSSING, OVERALL HINGED, LOCKABLE DOOR, AND TYPEWRITTEN DIRECTORY INSIDE DOOR. ALL SERVICE ENTRANCE EQUIPMENT SHALL BEAR THE MANUFACTURER'S LABEL WHICH SHALL STATE THAT THE EQUIPMENT IS RATED FOR SERVICE ENTRANCE APPLICATION IN ACCORDANCE WITH N.E.C. #230-70. LOAD BALANCE ALL ELECTRICAL PHASES AT PANELS AND SWITCHBOARDS. TWO AND THREE POLE BREAKERS SHALL BE COMMON TRIP TYPE. WHEN USED AS SWITCHES IN 120V, AND 277V, LIGHTING CIRCUITS, FURNISH TYPE "SWD" BREAKERS IN ACCORDANCE WITH N.E.C. #240-63B. SQUARE D OR EQUAL, BY SIEMENS ITE, CUTLER-HAMMER, OR GENERAL ELECTRIC (OR APPROVED EQUAL).
- PROVIDE SAFETY AND DISCONNECT SWITCHES, FUSED OR NONFUSED, AS CALLED FOR ON DRAWINGS AND AS REQUIRED BY CODE. (FUSES AS MANUFACTURED BY BUSSMAN, CHASE SHAWMUT, ECONOMY FUSE CO., OR LITTLE FUSE CO. ARE ACCEPTABLE). DISCONNECT SWITCHES THAT ARE INSTALLED AT AIR CONDITIONING EQUIPMENT, HEAT PUMPS, ETC. SHALL BE FUSED IN ACCORDANCE WITH THE EQUIPMENT'S NAME PLATE REQUIREMENTS PER N.E.C. 440-21 & 110-3B. SWITCHES SHALL BE HEAVY DUTY, QUICK MAKE/QUICK BREAK TYPE, FUSIBLE OR NON-FUSIBLE, WEATHERPROOF AS INDICATED ON THE DRAWINGS, OR AS REQUIRED BY LOCAL CODES. LOAD AND HORSEPOWER RATED AS MANUFACTURED BY SQUARE D, SIEMENS ITE, CUTLER-HAMMER, OR GENERAL ELECTRIC (OR APPROVED EQUAL).
- MANUAL MOTOR STARTERS WITH OVERLOAD PROTECTION MAY BE USED FOR FRACTIONAL HORSEPOWER MOTORS THAT DO NOT REQUIRE AUXILIARY CONTROL. SINGLE PHASE STARTERS SHALL BE SQUARE D OR EQUAL. THREE PHASE STARTERS SHALL BE PROVIDED WITH OVERLOAD DEVICE IN EACH PHASE MATCHED TO MOTOR NAMEPLATE RATING. MAGNETIC MOTOR STARTERS (MINIMUM SIZE #1) SHALL BE USED FOR ALL SINGLE PHASE AND THREE PHASE MOTORS RATED ABOVE 1/2 HP OR THAT REQUIRE AUXILIARY CONTROL. PROVIDE CONTROL DEVICES (CONTACTS, TRANSFORMERS, ETC.) IN STARTERS AS REQUIRED FOR INTERLOCKS, COORDINATE WITH MECHANICAL AND/OR TEMPERATURE CONTROL CONTRACTORS. COMBINATION STARTERS, WHEN USED, SHALL CONTAIN FUSIBLE SWITCHES.

BOXES:

- OUTLET BOXES AND COVERS SHALL BE GALVANIZED, ONE-PIECE PRESSED STEEL KNOCKOUT.
- JUNCTION, PULL BOXES AND COVERS SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE.
- INSTALL BOXES RIGIDLY ON BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF THE CONDUIT SYSTEM. ALSO PROVIDE SUITABLE/PROPER BOX EXTENSIONS TO EXTEND BOXES TO FINISHED FACES OF WALLS ETC. ALL OUTLET BOXES TO HAVE SUITABLE BLOCKING BEHIND THEM TO MINIMIZE THE DEFLECTION THAT OCCURS WHEN PLUGGING/UNPLUGGING INTO THESE DEVICES.
- WHERE A 277 VOLT LIGHT SWITCH IS GANGED WITH A 120 VOLT RECEPTACLE PROVIDE A SUITABLE DIVIDER OR SEPARATE JUNCTION BOXES IN ACCORDANCE WITH NEC AND LOCAL CODES.

SERVICES:

- ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE FROM LANDLORD'S DESIGNATED LOCATION AND PROVIDE LIGHTING, POWER AND WIRING AS REQUIRED TO FACILITATE APPLICABLE TEMPORARY NEEDS, AND FURNISH EXTENSION CORDS. ANY TEMPORARY WIRING, FUSES, ETC., SHALL BE REMOVED UPON COMPLETION OF THE PROJECT. PROVIDE GROUND FAULT PROTECTION AS REQUIRED BY N.E.C. AND LOCAL CODES.
- PROVIDE ELECTRICAL SERVICE AS SHOWN ON THE DRAWINGS. FIELD VERIFY EXACT REQUIREMENTS PRIOR TO BIDS. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE LANDLORD OR POWER COMPANY SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. CLOSELY COORDINATE ENTIRE INSTALLATION WITH LANDLORD AND POWER COMPANY AS REQUIRED. PROVIDE EQUIPMENT THAT IS COMPATIBLE WITH AVAILABLE FAULT CURRENT LEVELS, PROVIDE "CABLE LIMITERS" IF NECESSARY FOR SYSTEM COORDINATION). FIELD VERIFY EXACT TYPE, SIZE, LOCATION, REQUIREMENTS, ETC. OF EXISTING POWER AND TELEPHONE FACILITIES PRIOR TO BIDDING PROJECT.
- MAKE PROVISIONS FOR NEW TELEPHONE SERVICE AS REQUIRED, AND AS INDICATED ON THE DRAWINGS.
- CONDUIT SYSTEM FOR TELEPHONE DISTRIBUTION WITHIN TENANTS PREMISES SHALL BE PROVIDED AS REQUIRED FOR A COMPLETE TELEPHONE SYSTEM. OUTLET BOXES SHALL BE 4" SQUARE MINIMUM WITH SINGLE DEVICE COVER AND TELEPHONE PLATE. CLOSELY FIELD COORDINATE WITH TENANTS CONSTRUCTION MANAGER TO AVOID CONFLICTS.

STEP-DOWN TRANSFORMER:

- PROVIDE DRY-TYPE TRANSFORMER AS MANUFACTURED BY SQUARE "D", HEAVY DUTY, ACME, GENERAL ELECTRIC, SIEMENS ITE OR OTHER EQUIVALENT MANUFACTURERS, OF THE ENCLOSED VENTILATED TYPE WITH KVA AND VOLTAGE RATINGS AS CALLED FOR ON THE DRAWINGS WITH COILS DESIGNED FOR 150 DEGREE C RISE ABOVE A 40 DEGREE C AMBIENT WITH 100% OF RATED LOAD CONNECTED TO THE SECONDARY. CLASS 220 DEGREE C INSULATION AND A MINIMUM OF SIX STANDARD FULL CAPACITY TAPS (TWO ABOVE AND FOUR BELOW NORMAL). SOUND LEVEL/DECIBELS SHALL BE IN ACCORDANCE WITH "NEMA" STANDARDS, AND INSTALLATION SHALL INCLUDE "KORFOUND" OR EQUAL VIBRATION-DAMPENING MOUNTS AND FLEXIBLE STEEL CONDUIT FOR PRIMARY AND SECONDARY CONNECTIONS TO MINIMIZE SOUND TRANSMISSION. MOUNT TRANSFORMER ON SEPARATE VIBRATION ISOLATORS. THESE ARE ADDITIONAL VIBRATION ISOLATORS AND ARE USED IN CONJUNCTION WITH ANY INTEGRAL FACTORY INSTALLED VIBRATION ISOLATORS.

FIRE ALARM:

- ELECTRICAL CONTRACTOR TO HIRE LANDLORD REQUIRED FIRE ALARM CONTRACTOR FOR ALL WORK RELATED TO THE FIRE ALARM SYSTEM, INCLUDING ANY SUBMITTALS, APPROVALS, INSPECTIONS, TIE INS, DEVICES, ETC.

LIGHTING CONTACTORS AND TIMER CLOCKS:

- CONTACTORS FOR CONTROL OF LIGHTING AND SIGNS SHALL BE SQUARE "D", CLASS 8903, TYPE "L", ELECTRICALLY HELD. EQUIVALENT PRODUCTS BY OTHER MANUFACTURERS ARE PERMITTED.
- ELECTRONIC DIGITAL TIME CLOCKS SHALL BE USED FOR CONTROL OF SHOW WINDOW LIGHTING, SIGNS, AND IF REQUIRED/DESIRED OTHER LIGHTING. THE ELECTRONIC DIGITAL TIME CLOCK SHALL BE A TORK DIGITAL E100 SERIES MODEL EW101 OR EQUIVALENT WITH A 7-DAY FORMAT, 365 DAY ADVANCED HOLIDAY SCHEDULE, CAPABLE OF DIFFERENT SETTINGS EACH DAY OF THE WEEK, AND HAVE AN ASTRONOMIC FEATURE.

INSTALLATION:

- ALL ELECTRIC WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL, SUCH AS CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO BUILDING STEEL, CONCRETE OR MASONRY, BUT NOT PIPING OR DUCTWORK. ALL CONDUIT SHALL BE CONCEALED WHEREVER POSSIBLE. EXPOSED CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS AND SEPARATED AT LEAST 3 INCHES FROM WATER LINES WHEREVER THEY RUN ALONGSIDE OR ACROSS SUCH LINES. ALL CONDUCTORS SHALL BE IN CONDUIT, DUCTS OR OTHER CODE APPROVED RACEWAYS.
- ALL LINE AND LOW VOLTAGE POWER AND CONTROL WIRING (EXCEPT HVAC LOW VOLTAGE WIRING) INCLUDING CONNECTIONS TO MOTORS, DAMPERS, INTERLOCKING, ETC., SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. (ALL LINE VOLTAGE WIRING, CONDUIT, AND FINAL CONNECTIONS FROM THE POWER SOURCE THRU THE STARTERS/DISCONNECT ETC. TO THE MOTOR OR EQUIPMENT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL HVAC RELATED LOW VOLTAGE CONTROL WIRING, CONDUIT AND FINAL CONNECTIONS IS THE RESPONSIBILITY OF THE MECHANICAL/TEMPERATURE CONTROL CONTRACTOR, UNLESS OTHERWISE NOTED ON THE PLANS).
- THE ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING, CHASING OR CHANNELING AND PATCHING REQUIRED FOR ANY WORK UNDER THE ELECTRICAL DIVISION. ANY CUTTING SHALL HAVE PRIOR APPROVAL OF THE LANDLORD. SLEEVES SHALL EXTEND AT LEAST TWO (2) INCHES ABOVE FINISHED FLOOR AND ALL SLEEVES, OPENINGS, ETC., THROUGH FIRE RATED WALLS AND FLOORS SHALL BE FIRE SEALED WITH CALCIUM SILICATE, SILICONE "RTV" FOAM, "3M" FIRE RATED SEALANTS OR EQUAL BY ULTI AFTER CONDUIT/CABLES INSTALLATION SO AS TO RETAIN THE FIRE RATING.
- THE ELECTRICAL CONTRACTORS, INsofar AS THE WORK IS CONCERNED, SHALL AT ALL TIMES KEEP THE PREMISES IN A NEAT AND ORDERLY CONDITION AND, AT THE COMPLETION OF THE WORK, SHALL PROPERLY CLEAN UP AND CART AWAY ANY DEBRIS AND EXCESS MATERIAL.
- THE FOLLOWING EQUIPMENT SHALL BE IDENTIFIED WITH ENGRAVED BACKLITE NAMEPLATES AS TO NAME AND/OR FUNCTION: DISTRIBUTION PANELS, LIGHTING PANELS, MOTOR STARTERS AND DISCONNECT SWITCHES. NAMEPLATES TO BE APPROXIMATELY 1" X 2" IN SIZE AND BE FASTENED WITH POP RIVETS OR SCREWS.
- THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE AND THE ARCHITECT/TENANT CONSTRUCTION MANAGER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ADDITIONAL COST.
- ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN THE WORK AS THE JOB PROGRESSES, AND TURN THIS "AS BUILT" INFORMATION OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- ELECTRICAL CONTRACTOR SHALL PROTECT ALL FIXTURES/EQUIPMENT AGAINST DAMAGE FROM LEAKS, ABUSE, ETC., AND PAY COST OF REPAIR OR REPLACEMENT OF FIXTURES OR EQUIPMENT MADE NECESSARY BY FAILURE TO PROVIDE SUITABLE SAFEGUARDS OR PROTECTION.
- ELECTRICAL CONTRACTOR SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. AFTER ALL EQUIPMENT HAS BEEN INSPECTED AND APPROVED, THOROUGHLY CLEAN ALL EQUIPMENT PROVIDED UNDER THIS WORK JUST PRIOR TO COMPLETION OF PROJECT.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ANY/ALL NECESSARY ELECTRICAL DEMOLITION WORK THAT IS REQUIRED TO FACILITATE THE NEW INSTALLATION. FIELD COORDINATE PRIOR TO BIDS. REMOVE AND/OR MODIFY EQUIPMENT, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. ANY EQUIPMENT OR DEVICE REMAINING IN USE AFTER PART OF THE EQUIPMENT OR DEVICES HAVE BEEN REMOVED ARE TO BE RECONNECTED TO EXISTING OR NEW CIRCUITS AND LEFT IN WORKING ORDER. FEEDERS TO PANELS AND WIRING TO OTHER EQUIPMENT TO BE ROUTED CONCEALED IN FINISHED AREAS. COORDINATE ANY DISRUPTION OF ELECTRICAL OR TELEPHONE SERVICES WITH LANDLORD AND TENANT CONSTRUCTION MANAGER TO AVOID CONFLICTS.

GUARANTEE:

- MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THAT PERIOD SHALL BE CORRECTED AT THE ELECTRICAL CONTRACTOR'S EXPENSE.
- FOR THE SAME PERIOD, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO PREMISES CAUSED BY DEFECTS IN WORKMANSHIP OR IN THE WORK OR EQUIPMENT FURNISHED AND/OR INSTALLED BY THE ELECTRICAL CONTRACTOR.

FINALLY:

- IT IS THE INTENT THAT THE FOREGOING WORK SHALL BE COMPLETE IN EVERY RESPECT AND THAT ANY MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT NECESSARY TO FULLY COMPLETE THE WORK SHALL BE FURNISHED.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL TYPED PANEL SCHEDULES FOR ALL PANEL BOARDS. PROVIDE AND INSTALL BLACK PLASTIC, WHITE ENGRAVED NAMEPLATES ON EXTERIOR OF ALL PANELBOARDS. GO TO PROVIDE ONE COMPLETE SET OF STAMPED PLANS TO BE CONTAINED IN A PVC TUBE MOUNTED ON PHONE BOARD.



COMcheck Software Version 4.1.5.3

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Lululemon Summit Fair Mall
Project Type: Alteration

Construction Site: 910 NW Blue Pkwy Suite G
Lee's Summit, MO 64086
Owner/Agent:
Designer/Contractor: Shane Hamilton
Engineering Professionals, Inc.
912 W. Dr. Martin Luther King Jr Blvd
Tampa, FL 33603
(813) 251-6848 x213
hamilton@engrpros.com

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Stockroom (Common Space Types:Storage >=50 - <=1000 sq.ft.)	484	0.63	305
2-Staff Room (Common Space Types:Lounge/Breakroom)	139	0.73	101
3-Exit Corridor (Common Space Types:Corridor/Transition <8 ft wide)	91	0.66	60
4-Office (Common Space Types:Office - Enclosed)	58	1.11	64
5-Mop Closet (Common Space Types:Storage <50 sq.ft.)	7	1.24	9
6-Restroom (Common Space Types:Restrooms)	75	0.98	74
7-Fitrooms (Retail:Dressing/Fitting Room)	380	0.71	270
8-Sales Area (Retail:Sales Area)	2635	1.59	4190
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: Track lighting 1	2635 (a)	1.40	3689 (b)
Allowance: Furniture, clothing, cosmetics highlighting / Fix. ID: LS2 DRIVERS	2635 (a)	1.40	1800 (b)
9-Hallway (Common Space Types:Corridor/Transition <8 ft wide)	78	0.66	51
Supplemental Allowed Watts (null) =			500
Total Allowed Watts =			11113
(a) Area claimed may exceed total floor area when Retail Merchandise Highlighting allowance(s) are specified.			
(b) Allowance is (B x C) or the actual wattage of the fixtures given in Proposed Power section, whichever is less.			
(c) Supplemental watts must be associated with retail merchandise highlighting fixtures.			

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Stockroom (Common Space Types:Storage >=50 - <=1000 sq.ft. 484 sq.ft.)</u>				
L4: Other:	1	2	27	55
L8: Other:	1	5	55	273
<u>Staff Room (Common Space Types:Lounge/Breakroom 139 sq.ft.)</u>				
RF4: Other:	1	4	12	48
<u>Exit Corridor (Common Space Types:Corridor/Transition <8 ft wide 91 sq.ft.)</u>				
L8: Other:	1	1	55	55

Project Title: Lululemon Summit Fair Mall Report date: 08/21/25
Data filename: E:\Current Projects\25133 LULULEMON SUMMIT FAIR LEES SUMMIT MO\300 Design\301 ELEC Dwgs\25133 - COMCHECK.cck Page 1 of 8

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
<u>Office (Common Space Types:Office - Enclosed 58 sq.ft.)</u>				
RF4: Other:	1	2	12	24
<u>Mop Closet (Common Space Types:Storage <50 sq.ft. 7 sq.ft.)</u>				
L2: Other:	1	1	15	15
<u>Restroom (Common Space Types:Restrooms 75 sq.ft.)</u>				
D6: Other:	1	1	20	20
FL: Other:	1	1	11	11
<u>Fitrooms (Retail:Dressing/Fitting Room 380 sq.ft.)</u>				
RW1: Other:	1	11	12	132
RF1-S: Other:	1	4	12	48
P1: Other:	1	1	266	266
RF3-S: Other:	1	1	23	23
<u>Sales Area (Retail:Sales Area 2635 sq.ft.)</u>				
R2: Other:	2	2	32	64
Track lighting 1: Wattage based on current limiting device capacity	0	0	5640	5640
LS2 DRIVERS: Other:	1	6	300	1800
<u>Hallway (Common Space Types:Corridor/Transition <8 ft wide 78 sq.ft.)</u>				
RF3-S: Other:	1	2	23	46
Total Proposed Watts =			8519	

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title	Signature	Date
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Project Title: Lululemon Summit Fair Mall Report date: 08/21/25
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1818 CORNWALL AVE
VANCOUVER, B.C., V6J1C7

SUMMIT FAIR MALL

910 NW BLUE PKWY,
SUITE G, LEE'S SUMMIT
MO 64086

ARCHITECT

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MEP ENGINEER

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LICENSED NAME, ARCHITECT

REVISED PER CITY COMMENTS

09/16/2025

DATE	DESCRIPTION
07/29/2025	ISSUED FOR CD REVIEW
08/25/2025	ISSUED FOR PERMIT & BID
1 09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION
PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

LIGHTING ALLOWANCES

DRAWING NUMBER

E710



COMcheck Software Version 4.1.5.3

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2015 IECC
Project Title: Lululemon Summit Fair Mall
Project Type: Alteration
Exterior Lighting Zone: 2 (Neighborhood business district (LZ2))

Construction Site: 910 NW Blue Pkwy Suite G
Lee's Summit, MO 64086
Owner/Agent:
Designer/Contractor: Shane Hamilton
Engineering Professionals, Inc.
912 W. Dr. Martin Luther King Jr
Blvd
Tampa, FL 33603
(813) 251-6848 x213
hamilton@engrpros.com

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Entry canopy	90 ft2	0.25	Yes	22
Total Tradable Watts (a) =				22
Total Allowed Watts =				22
Total Allowed Supplemental Watts (b) =				600

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Entry canopy (90 ft2): Tradable Wattage				
RF1-SB: Other:	1	3	12	36
Total Tradable Proposed Watts =				36

Exterior Lighting PASSES

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version 4.1.5.3 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title _____ Signature _____ Date _____

Project Title: Lululemon Summit Fair Mall Report date: 08/21/25
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COMcheck Software Version 4.1.5.3

Inspection Checklist

Energy Code: 2015 IECC

Requirements: 100.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C103.2 [PR8] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1

High Impact (Tier 1)

2

Medium Impact (Tier 2)

3

Low Impact (Tier 3)

Project Title: Lululemon Summit Fair Mall Report date: 08/21/25
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1818 CORNWALL AVE
VANCOUVER, B.C., V6J1C7

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REVISED PER CITY COMMENTS

09/16/2025

DATE DESCRIPTION
07/29/2025 ISSUED FOR CD REVIEW
08/25/2025 ISSUED FOR PERMIT & BID
1 09/16/2025 REVISED PER CITY COMMENTS

DRAWING INFORMATION
PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

LIGHTING ALLOWANCES

DRAWING NUMBER

E711

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL15] ¹	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.2.1 [EL18] ¹	Occupancy sensors installed in required spaces.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.2.1, C405.2.2, 3 [EL23] ²	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.2.2. 1 [EL22] ²	Automatic controls to shut off all building lighting installed in all buildings.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Lighting controlled by occupancy sensors.
C405.2.3 [EL16] ²	Daylight zones provided with individual controls that control the lights independent of general area lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C405.2.3, C405.2.3. 1, C405.2.3. 2 [EL20] ¹	Primary sidelighted areas are equipped with required lighting controls.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.2.3, C405.2.3. 1, C405.2.3. 3 [EL21] ¹	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement does not apply.
C405.2.4 [EL4] ¹	Separate lighting control devices for specific uses installed per approved lighting plans.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.2.4 [EL8] ¹	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.2.5 [EL25] ^{pull}	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.3 [EL6] ¹	Exit signs do not exceed 5 watts per face.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1

High Impact (Tier 1)

2

Medium Impact (Tier 2)

3

Low Impact (Tier 3)

Project Title:

Lululemon Summit Fair Mall

Report date: 08/21/25

Data filename:

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Lululemon Summit Fair Mall

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△ DATE	DESCRIPTION
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08/25/2025	ISSUED FOR PERMIT & BID
1 09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION
PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

LIGHTING
ALLOWANCES

DRAWING NUMBER

E712

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17] ³	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C405.4.1 [FI18] ¹	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	<i>See the Interior Lighting fixture schedule for values.</i>
C405.5.1 [FI19] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	<i>See the Exterior Lighting fixture schedule for values.</i>
C408.2.5.1 [FI16] ³	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
C408.3 [FI33] ¹	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Project Title:

Lululemon Summit Fair Mall

Report date:

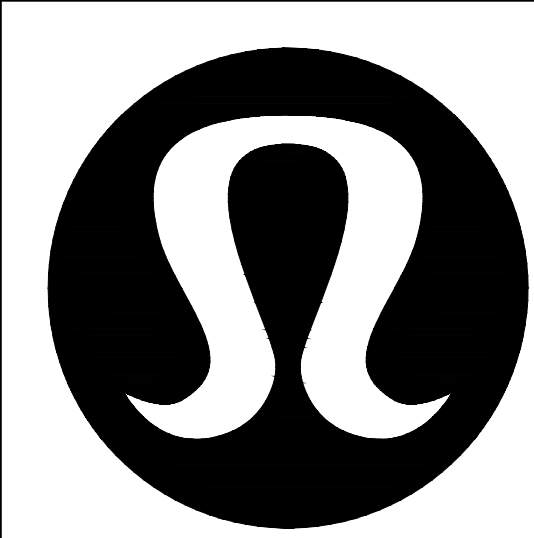
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Lululemon
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LICENSED NAME, ARCHITECT

REVISED PER CITY COMMENTS

09/16/2025

△ DATE	DESCRIPTION
07/29/2025	ISSUED FOR CD REVIEW
08/25/2025	ISSUED FOR PERMIT & BID
1 09/16/2025	REVISED PER CITY COMMENTS

DRAWING INFORMATION
PROJECT #: 2412106
CHECKED BY: JG
DRAWN BY: SW

LIGHTING ALLOWANCES

DRAWING NUMBER
E713