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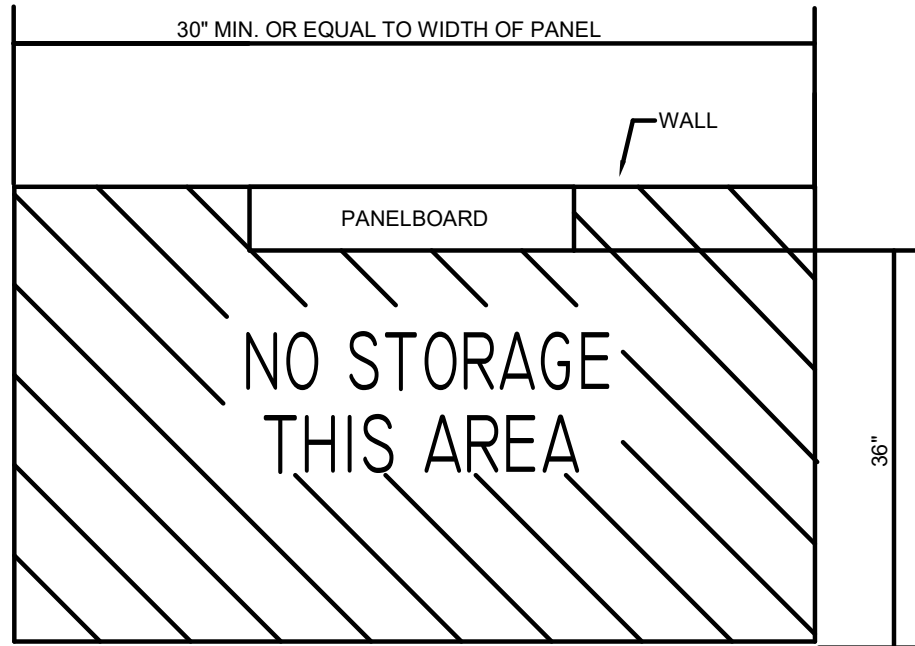
ELECTRICAL GENERAL NOTES

- CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO A/V DRAWINGS FOR REQUIRED RACEWAYS, EXACT SIZE, AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
- PER ARCHITECT DIRECTIVE; PROVIDE GREY RECEPTACLES, SWITCHES, ETC. WITH STAINLESS STEEL COVERPLATES U.N.O. ARCHITECT TO REVIEW AND CONFIRM FINAL DEVICE AND COVERPLATE FINISH SELECTIONS.
- LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR AUDIO-VISUAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL A/V EQUIPMENT LOCATIONS TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
- FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
- ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
- ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC., SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
- GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE AUDIO-VISUAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- FURNISH ALL EQUIPMENT AND LABOR, PERFORM ALL LABOR WITH SUPERVISION, BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
- COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK. THE STATE BUILDING CODE, 2020 NATIONAL ELECTRIC CODE, AND 2023 FBC. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
- OBTAIN ARCHITECTS/ENGINEER'S APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC., PRIOR TO PURCHASING.
- TERMINATIONS FOR ALL EQUIPMENT SHOWN TO HAVE TEMPERATURE RATING OF 75deg C PER NEC 2020 ART. 110.14 & TABLE 310.15(B)16).
- WHERE USED, PROVIDE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE CIRCUIT BREAKERS SERVING MULTI-WIRE BRANCH CIRCUITS IN ACCORDANCE WITH NEC 210.4(B).

FIRESTOPPING NOTES

USE ONLY FIRESTOP PRODUCTS THAT HAVE BEEN UL 1479, ASTM E-814, OR UL 2079 TESTED FOR SPECIFIC FIRE RATED CONSTRUCTION CONDITIONS. THE CONDITIONS AND MATERIALS ARE SPECIFIED AS FOLLOWS:

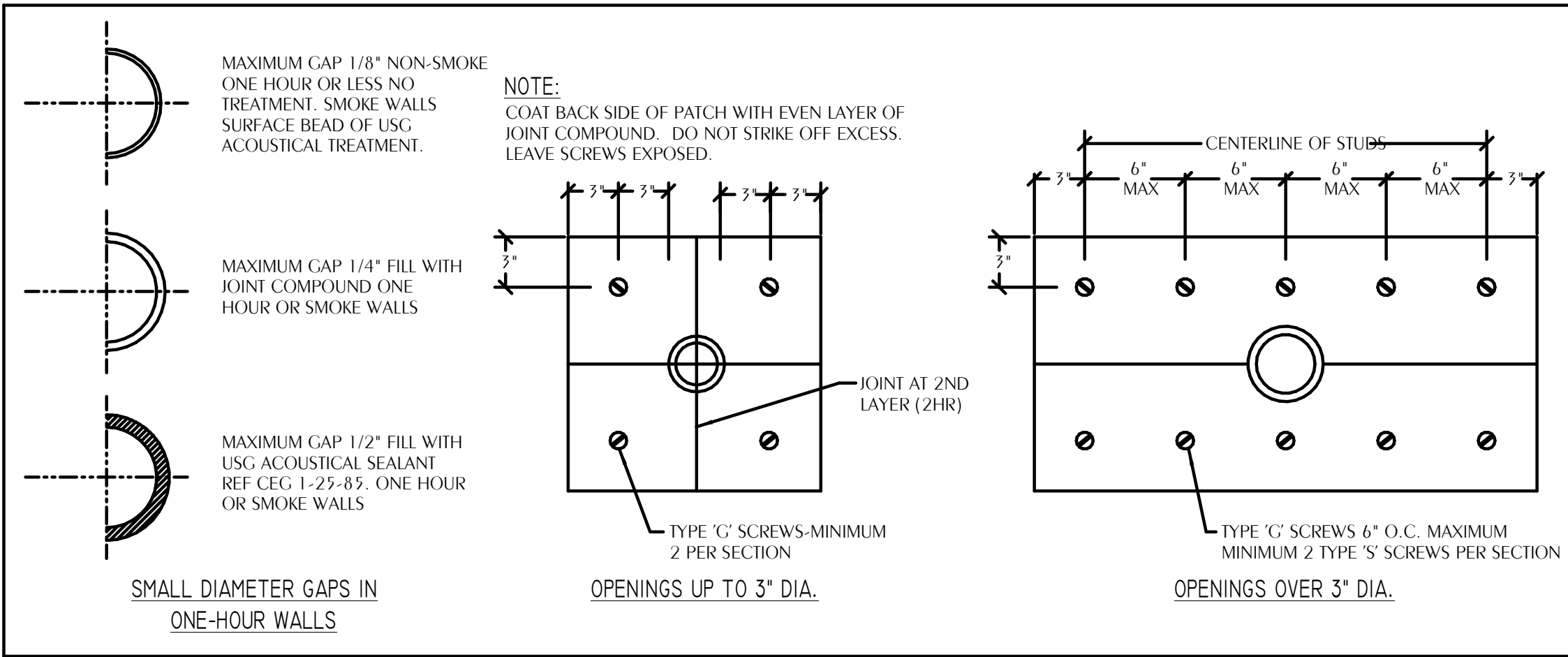
- FOR PENETRATIONS BY NON COMBUSTIBLE ITEMS USE 3M FIRE STOP SEALANT 2000 OR 3M FIRE BARRIER MOLDABLE PUDDY PADS MPP+.
- FOR FIRE RATED CONSTRUCTION JOINTS AND OTHER GAPS USE 3M FIRESTOP SEALANT 2000.
- FOR PENETRATIONS BY COMBUSTIBLE ITEMS USE 3M FIRE BARRIER CP25 WB OR 3M FIRE BARRIER FS 195 WRAP/STRIP.
- FOR PENETRATIONS BY COMBUSTIBLE PLASTIC PIPE (OPEN PIPING SYSTEMS) USE 3M FIRE BARRIER PPO PLASTIC PIPE DEVICE.
- FOR LARGE SIZE/COMPLEX PENETRATIONS USE 3M FIRESTOP FOAM 2001 OR 3M FIRE BARRIER CS 195 COMPOSITE SHEET.
- FOR OPENINGS BETWEEN STRUCTURALLY SEPARATE SECTIONS OF WALL AND FLOORS USE 3M FIRE BARRIER CP 25 WB.



TYPICAL CLEARANCE AT ELECTRICAL PANELS

1
E-001 SCALE: NONE

DEVICES SHALL BE GRAY WITH STAINLESS STEEL COVERPLATES



2 FIRE PENETRATION NOTES

E-001 SCALE: NONE

-APPLIES TO ALL CORRIDOR, SMOKE AND FIRE RATED WALLS

ELECTRICAL LEGEND

- CEILING OUTLETS
- 'A' RECESSED/LAY-IN/SURFACE MOUNTED 2' X 4' LED FIXTURE MARK 'A' CIRCUIT TYPICAL
- NL RECESSED/LAY-IN/SURFACE MOUNTED 2' X 4' LED FIXTURE INSTALLED FOR CONTINUOUS OPERATION
- INDICATES FIXTURE WITH EMERGENCY UNIT BATTERY PACK

'LS' SURFACE MOUNTED/SUSPENDED LED STRIP FIXTURE MARK 'LS' AS NOTED.

- EXIT LIGHT
- JUNCTION BOX
- EXHAUST FAN

- PANELS AND POWER
- 120/208 VOLT, 120/240 VOLT, OR 277/480 VOLT PANELBOARD
- EXISTING 120/208 VOLT, 120/240 VOLT, OR 277/480 VOLT PANELBOARD
- NON-FUSIBLE DISCONNECT SWITCH; XXYY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING
- FUSIBLE DISCONNECT SWITCH; XXYY/ZZ (FUSED WW) WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, Z INDICATES NEMA RATING, AND W INDICATES FUSE SIZE.

- WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)
- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT; MOUNT 48" AFF TO C/L
- S3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT; MOUNT 48" AFF TO C/L
- S4 A.C. TYPE, 4-WAY, 20 AMP, 120/277 VOLT; MOUNT 48" AFF TO C/L
- SM MOTOR-RATED TOGGLE SWITCH; FIELD-VERIFY EXACT HT & LOCATION WITH EQUIPMENT INSTALLER
- SR WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED) EQUAL TO WATTSTOPPER PW-100; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L
- SRD WALL MOUNTED OCCUPANCY SENSOR EQUAL TO WATTSTOPPER DSW-100; DUAL TECHNOLOGY; MOUNT 48" AFF TO C/L; SET DELAY OFF TIME FOR 10 MINUTES (120/277V)
- SD5 0-10V DIMMING W/ 50%, 75%, & 100% PRE-SETS WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED & ULTRASONIC) EQUAL TO WATTSTOPPER DW-311; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L. IF DIMMING IS DESIRED IN A SPACE, A SEPARATE 0-10V 2-WIRE CONTROL CIRCUIT (MIN. 18GA) TO BE INSTALLED FROM DEVICE TO ALL FIXTURES IN ASSOCIATED DIMMING ZONE (FIXTURES TO BE DAISY-CHAINED).
- DL LEGRAND (1200W AT 120V) ELECTRONIC WALL DIMMER (MODEL #RH4FBL3PW); EC TO INSTALL (120V) HOTLEG (LOAD SIDE OF OCCUPANCY SENSOR SWITCH) TO DIMMING MODULE AND FROM MODULE TO FIXTURE; IN ADDITION, INSTALL A 2-WIRE (#16 AWG) DIMMING CIRCUIT FROM DIMMER MODULE TO LIGHTING FIXTURE(S) TO BE CONTROLLED. WITHIN EACH ZONE, DIMMING CIRCUIT MAY BE DAISY-CHAINED AND NOT SEPARATE RUNS FROM MODULE TO EACH LIGHTING FIXTURE REQUIRED. IF OTHER THAN SPECIFIED MANUFACTURERS/FIXTURE TYPES FURNISHED, EC TO VERIFY THAT DIMMING MODULE SUPPLIED TO BE 100% COMPATIBLE WITH FIXTURES TO BE INSTALLED. MOUNT 48" A.F.F. TO C/L. IF EMERGENCY EGRESS FIXTURES WITH BATTERY BACKUP ARE WITHIN ZONE OF CONTROL, INSTALL A SEPARATE NON-SWITCHED (120V) HOTLEG FOR CONTINUAL CHARGING OF BATTERIES.

- AUTOMATIC LIGHTING CONTROL SYSTEM
- 180° CORNER MOUNTED OCCUPANCY SENSOR EQUAL TO WATTSTOPPER DT-205 (LOW VOLTAGE); DUAL TECHNOLOGY INFRARED AND ULTRASONIC, 2000 SQ FT COVERAGE; SEE CORRESPONDING WIRING DETAIL.
- POWER PACK RELAY EQUAL TO WATTSTOPPER BZ-150 POWER PACK; SEE CORRESPONDING WIRING DETAIL. DEVICE TO BE MOUNTED ABOVE CEILING OR CONCEALED AS MUCH AS POSSIBLE. (UNIVERSAL 100-277V)...20 AMP MAX. SWITCHING CAPABILITY.
- LOW-VOLTAGE TRANSFORMER; STEP-DOWN POWER SUPPLY; TO BE MOUNTED IN ACCESSIBLE LOCATION TO ALLOW ACCESS FOR MAINTENANCE PURPOSES... SEE LIGHTING PLAN FOR MORE INFORMATION.

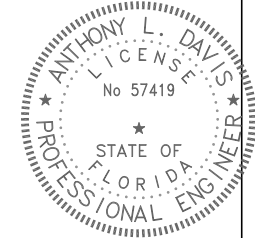
- BRANCH CIRCUITING
- RUN CONCEALED UNDER FLOOR OR IN GRADE
- RUN CONCEALED IN CEILING OR WALLS
-
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES

- TELEPHONE & TV SYSTEM
-
- C
- C,H
- CBB 3/4" (60" HIGH) TELEPHONE BACKBOARD EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH, SIZE AS SHOWN
-

- WALL OUTLETS
-
- T
- G
- H
- B
- WP
- DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT FLUSH IN CEILING
- G
- G,H
-
-
- H
-

- JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- SURFACE-MOUNTED JUNCTION BOX WITH BLANK SCREW COVER (UNLESS DEVICE SHOWN TO BE INSTALLED); SIZE OF BOX TO BE DETERMINED BY DEVICE BEING INSTALLED
- WALL MOUNTED EXIT LIGHT
- WALL MOUNTED EMERGENCY UNIT BATTERY PACK
- WALL MOUNTED EXIT LIGHT/BATTERY PACK COMBO FIXTURE

- MISCELLANEOUS
- A.F.F. ABOVE FINISH FLOOR
- A.F.G. ABOVE FINISH GRADE
- CBB COMMUNICATION BACKBOIARD
- lv LOW VOLTAGE
- U.N.O. UNLESS NOTED OTHERWISE



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Date: 2026.10.06 11:02:35 -0500

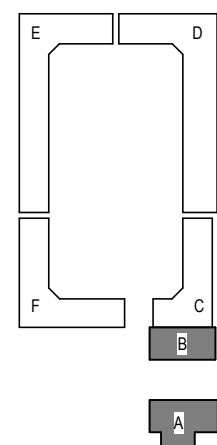
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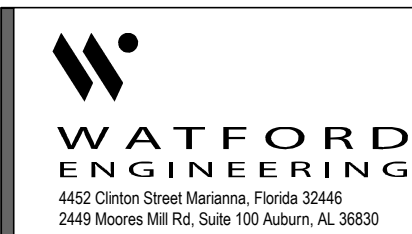
GARAGES AT
LUXURY AT
MIRAMAR -
PHASE 1

U.S. Highway 98
Miramar Beach, FL



REVISIONS
NO. DESCRIPTION DATE

Project Number 25038
Dated 10.05.2026



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-081
Checked By: ALD
Drawn By: SBH

ELECTRICAL
LEGENDS,
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AND DETAILS

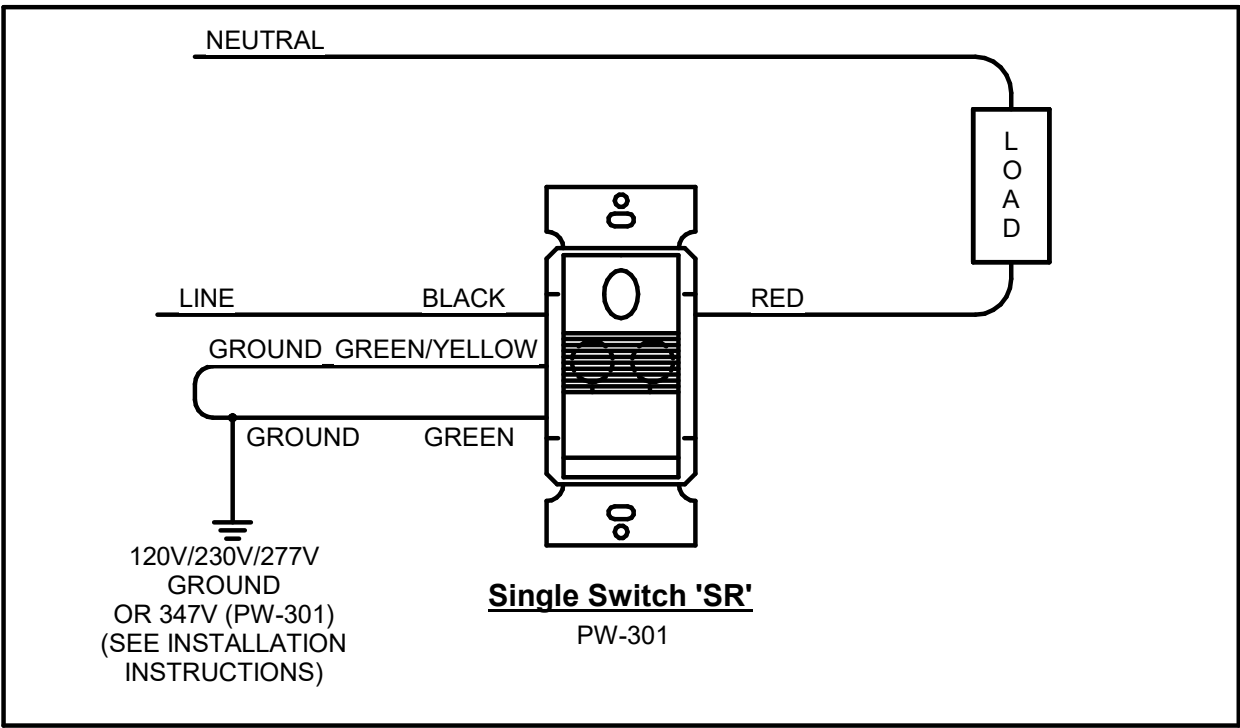
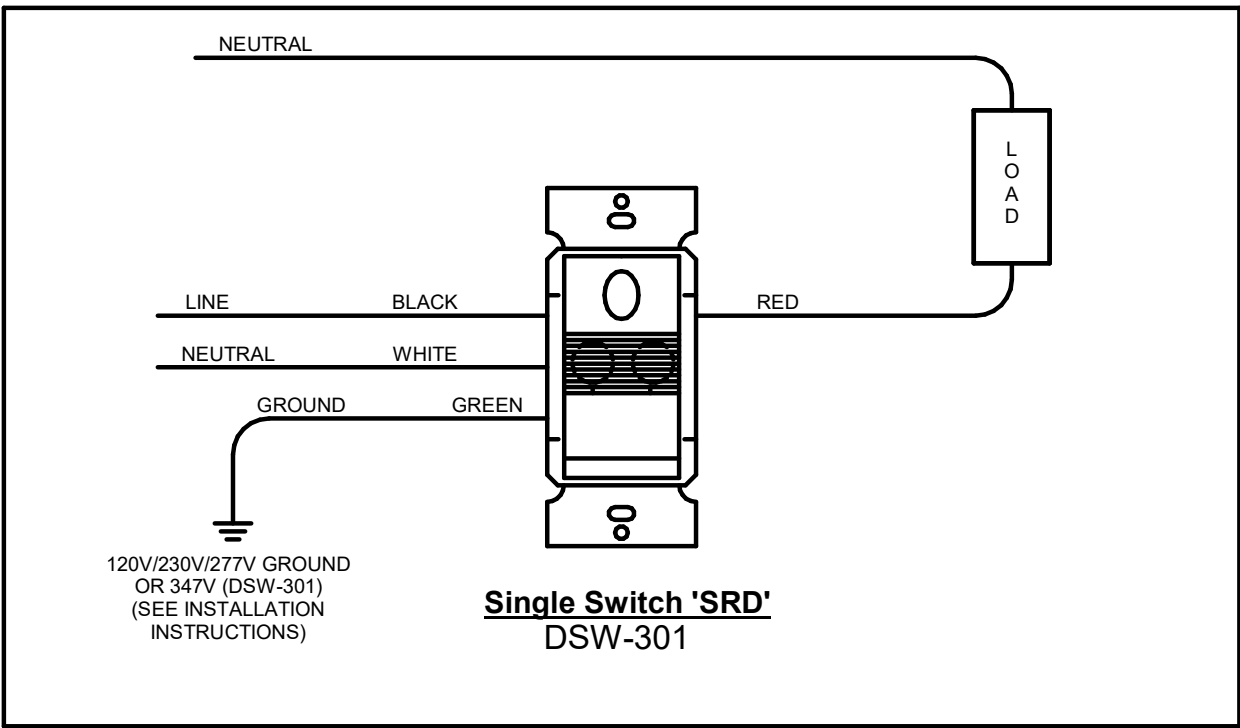
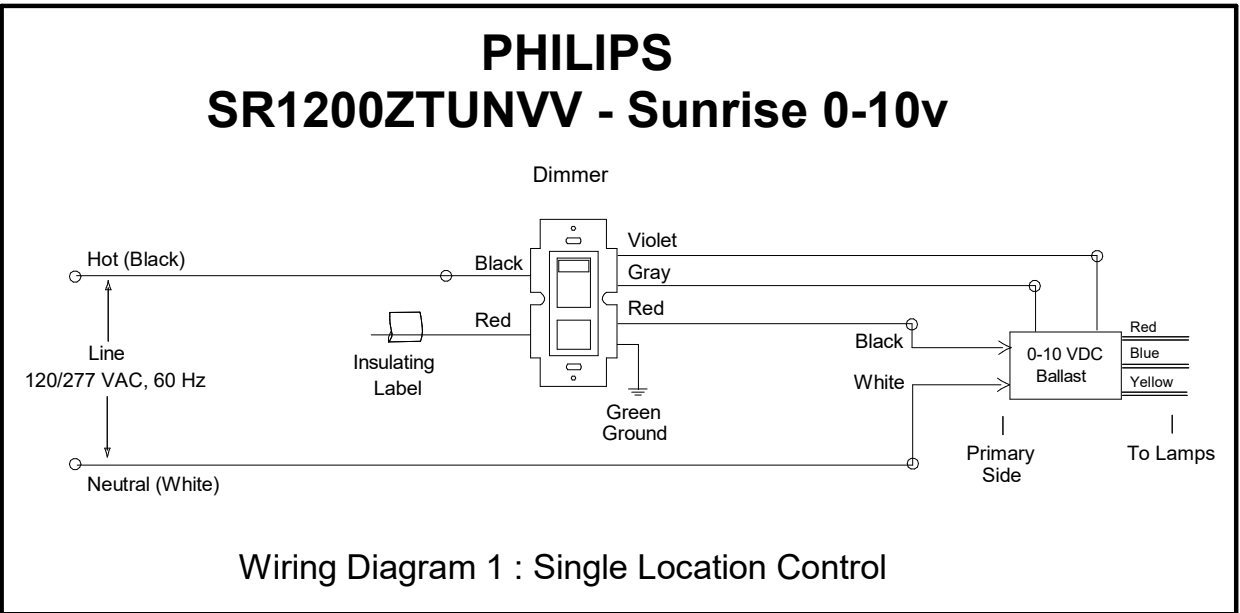
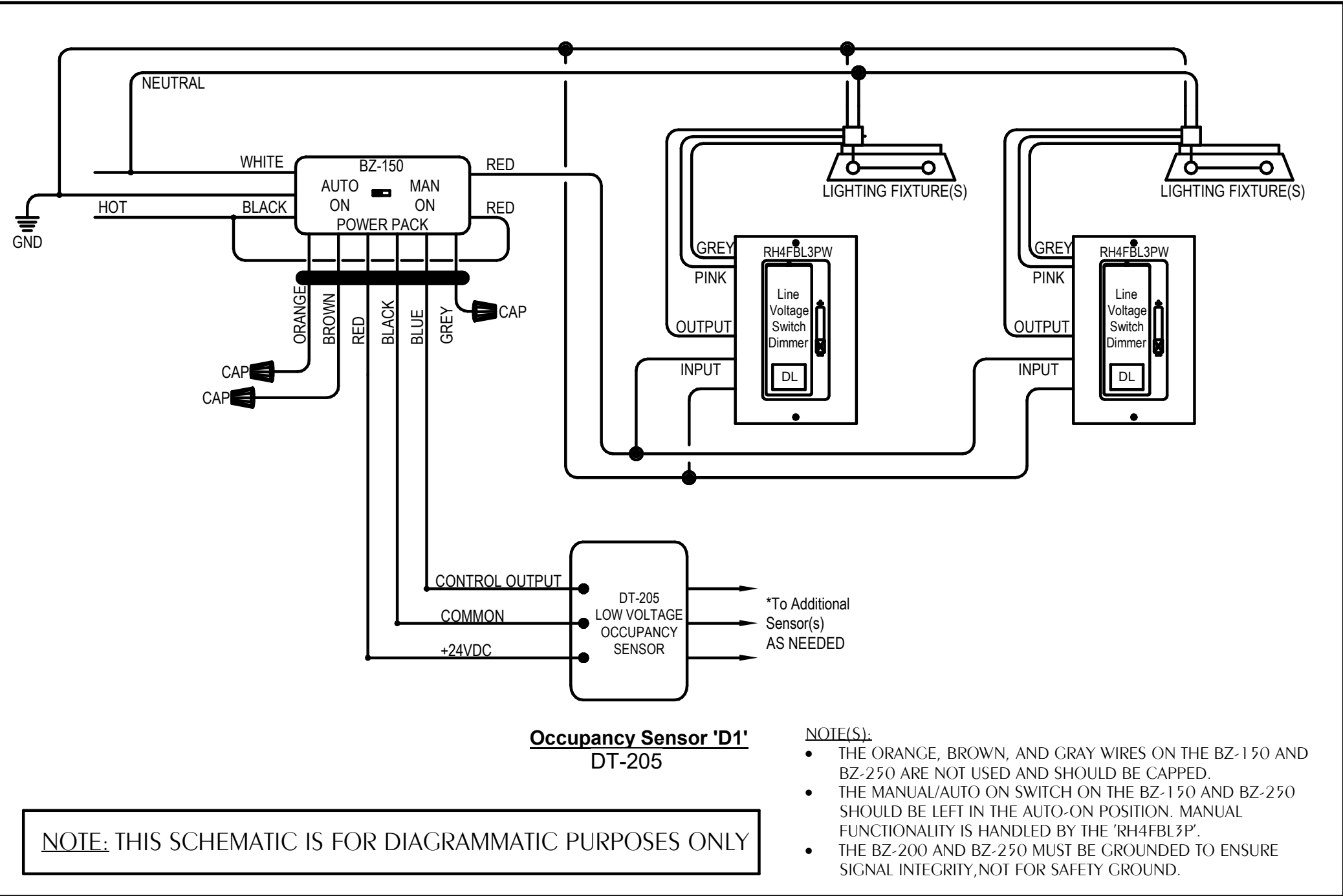
E-001

EQUALS TO BE SUBMITTED TO ARCHITECT/ENGINEER 10 DAYS PRIOR TO BID

Interior Lighting Fixture Schedule

Mark	Manufactuter and catalog No.	Lamp Type	Mounting	Remarks
BP	ISOLITE #OWL-EM-(FINISH)-MB	-- LED	WALL MOUNT @ 9'-6" (U.N.O.)	120V, WET LOC LISTED
BPX	CHLORIDE #CLCNRW	-- LED	WALL MOUNT @ 7'-6" (U.N.O)	BATTERY PACK/EXIT SIGN COMBO, SELF DIAGNOSTICS, 120V, USE PUNCH-OUTS TO SHOW DIRECTIONAL ARROWS AS DENOTED IN DRAWING(S)
BEGH	BEGHELLI #BRZ-LR-U-(FINISH)-AT	-- LED	WALL MOUNT @ 7'-6" (U.N.O)	COMPACT ARCHITECTURAL EMER EXIT/BATTERY PACK COMBO, WHITE FINISH W/ RED LETTERING, UNV VOLT
CH ¹	HUDSON VALLEY #ASTRID H178804-PN/BK	60W 3000K LED	STEM MOUNT @ 10'-9" A.F.F.	DECORATIVE CHANDELIER, W/ 2'-18" STEM, FINISH BY ARCH, 3000K, 120V...
HBA	H.E. WILLIAMS #76R-4-L72-840-VBY(HANGARS)-DIM-UNV	50W 4000K LED	SUSPENDED @ 18'-6" A.F.F.	4' HIGH OUTPUT LED STRIP, 4000K, UNV VOLT, FURN W/ Y-HANGARS FOR SUSPENSION, FLD-CUT FOR DESIRED HEIGHT
HBB	BOCK LIGHTING #BGL17-LENS-GXX-LBAC1-4-1800-40K-630C-3AC-10FT	45W 4000K LED	SUSPENDED @ 18'-6" A.F.F.	17" ROUND CIRCULAR HIGH BAY, FINISH BY ARCH, 4000K, UNV. VOLT, FLD-CUT FOR DESIRED HEIGHT.
HBC	TGS #CHB-N-100W-40K-WD-U-D-(FINISH)-PM	100W 4000K LED	PENDANT MOUNT @ 18'-6" A.F.F.	19" ROUND CIRCULAR HIGH BAY, FINISH BY ARCH, 4000K, UNV. VOLT, EC TO FURNISH STEM (3/4"C); FLD-CUT FOR DESIRED HEIGHT.
HBR	BOCK LIGHTING #T81-LBAC1-1-5000-40K	60W 4000K LED	PENDANT MOUNT @ 18'-6" A.F.F.	11" ROUND CIRCULAR HIGH BAY, FINISH BY ARCH, 4000K, UNV. VOLT, EC TO FURNISH STEM (3/4"C); FLD-CUT FOR DESIRED HEIGHT.
HBRE	BOCK LIGHTING #T81-LBAC1-1-5000-40K-EM	60W 4000K LED	PENDANT MOUNT @ 18'-6" A.F.F.	11" ROUND CIRCULAR HIGH BAY, FINISH BY ARCH, 4000K, UNV. VOLT, W/ EMERG. DRIV, EC TO FURN. STEM (3/4"C); FLD-CUT FOR DESIRED HEIGHT.
LD4	H.E. WILLIAMS #4DR-TL-L10/830-DIM-UNV-OW-OF-(FINISH)-N-F1	10W 3000K LED	CEILING RECESSED	4" RECESSED DOWNLIGHT, STD 0-10V DIMMING, FINISH BY ARCH, 3000K, UNV VOLT
LD6A	H.E. WILLIAMS #4DR-TL-L15/830-DIM-UNV-OW-OF-(FINISH)-N-F1	14W 3000K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, STD 0-10V DIMMING, FINISH BY ARCH, 3000K, UNV VOLT
LD6AE	H.E. WILLIAMS #4DR-TL-L15/830-DIM-UNV-OW-OF-(FINISH)-N-F1-EM/10W	14W 3000K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, STD 0-10V DIMMING, FINISH BY ARCH, 3000K, UNV VOLT, W/ EMERG. DRIVER
LD6BE	H.E. WILLIAMS #4DR-TL-L20/830-DIM-UNV-OW-OF-(FINISH)-N-F1-EM/10W	19W 3000K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, STD 0-10V DIMMING, FINISH BY ARCH, 3000K, UNV VOLT, W/ EMERG. DRIVER
LBA	TURF #BEAM LED-350-6-40-(FINISH)	83W 4000K LED	COORD. W/ ARCH	6' LINEAR INTEGRATED BAFFLE FIXTURE, STD 0-10V DIMMING, 4000K, UNV VOLT, FINISH BY ARCH, FLD-COORD W/ ARCH. FOR MOUNTING REQUIRMENTS.
LBAE	TURF #BEAM LED-350-6-40-EB-(FINISH)	83W 4000K LED	COORD. W/ ARCH	6' LINEAR INTEGRATED BAFFLE FIXTURE, STD 0-10V DIMMING, 4000K, UNV VOLT, W/ EMERG. DRIVER, FINISH BY ARCH, FLD-COORD FOR MOUNTING REQ.
PDL	A-N-D #COL-175-5-P-H-CBN-DW-010-120	60W 3000K LED	SUSPENDE @ 7'-6" A.F.F.	DECORATIVE LINEAR PENDANT, STD 0-10V DIMMING, FINISH BT ARCH, 3000K, UNV VOLT
PD2	VAKKER LIGHTING #VKP09-241010-01	40W 3000K LED	PENDANT MOUNTED @ 7'-6" A.F.F.	DECORATIVE CEMENT MESH PENDANT LIGHT, STD 0-10V DIMMING, 3000K, 120V
PD6	LITON #LCALD6(FINISH)151-B70UE-DUN-LPCMJ6	61W 3000K LED	PENDANT MOUNTED @ 10'-6" A.F.F.	6" STEM-MTD CYLINDER, 120V, FINISH BY ARCH, FLD-CUT FOR DESIRED HEIGHT
PD18	BOCK LIGHTING #518-eGXX-iGXX-LBAC1-1-1600-40K-0-10K-41-BDC6S-75-GXX-ST3-12	40W 4000K LED	PENDANT MOUNT @ 9'-0" A.F.F.	18" ROUND DECORATIVE PENDANT, FINISH BY ARCH, 4000K, 120V...
SCL ⁴	KICHLER #45649BK	60W 3000K LED	WALL MOUNT	4' LINEAR VANITY LIGHT, FINISH BY ARCH, 3000K, 120V...
SCR	RBW #RP-WS-S21-AA04-30-HO_1_10V_UNV-IP65	18W 3000K LED	WALL MOUNT	5" ROUND VANITY LIGHT, FINISH BY ARCH, 3000K, UNV VOLT.
SH	H.E. WILLIAMS #6DR-TL-L20/830-DIM-UNV-LW-OF-(FINISH)--WET/CC-N-F1	20W 3000K LED	CEILING RECESSED	6" RECESSED DOWNLIGHT, WET LOC. LISTED, STD 0-10V DIMMING, FINISH BY ARCH, 3000K, UNV VOLT.
TRK9 ³	VEROZZA #MOD-ST-48-(FINISH)	--	SUSPENDED @ 12'-0" A.F.F.	TOTAL LENGTH OF TRACK IS 9'-00", ORDER FOUR (3) 36" TRACK SYSTEMS
TRK12 ³	VEROZZA #MOD-ST-48-(FINISH)	--	SUSPENDED @ 12'-0" A.F.F.	TOTAL LENGTH OF TRACK IS 12'-00", ORDER FOUR (4) 48" TRACK SYSTEMS
TL	VEROZZA #MOD-G-36L13-VF-930-(FINISH)-010UNV	19W 3000K LED	TRACK MOUNTED	36" FIXED AMBIENT LINEAR LED, 48VDC-STD 0-10V DIMMING, FINISH BY ARCH
T1	VEROZZA #MOD-TRKH-M1L8-WF-930-(FINISH)-010UNV	12W 3000K LED	TRACK MOUNTED	MEDIUM ONE LIGHT TRACK HEAD, 48VDC, 1800 LUMENS, FINISH BY ARCH
T2	VEROZZA #MOD-TRKH-M2L18-WF-930-(FINISH)-010UNV	24W 3000K LED	TRACK MOUNTED	MEDIUM TWO LIGHT TRACK HEAD, 48VDC, 1800 LUMENS, FINISH BY ARCH
UC	DAY-BRITE #LINCS100E-L19-930-UNV-(FINISH)-DIM-LINCS100ICSW	3W/FT 4000K LED	SURFACE MOUNT	19" UNDERCABINET LIGHT, 120V, FINISHED BY ARCH

FIXTURE FINISH SELECTIONS TO BE VERIFIED WITH ARCHITECT PRIOR TO ORDERING
¹ FIXTURE SHALL BE PROVIDED WITH FOUR (4) G40 SHAPE E26 MEDIUM BASE BULBS. COORDINATE WITH ARCHITECT FOR EXACT BULB TYPE DESIRED.
² FIXTURE SHALL BE PROVIDED WITH ONE (1) E26 OR E27 BASE BULBS. COORDINATE WITH ARCHITECT FOR EXACT BULB TYPE DESIRED.
³ EC IS RESPONSIBLE FOR ORDERING ALL ACCESSORIES (I.E. TRACK SYSTEM, CONNECTORS, END CAPS, POWER FEEDS, PENDANT MOUNT KITS, TRACK COVERS) REQUIRED FOR A COMPLETE INSTALLATION.
⁴ FIXTURE SHALL BE PROVIDED WITH FOUR (4) E12 BASE BULBS. COORDINATE WITH ARCHITECT FOR EXACT BULB TYPE DESIRED.





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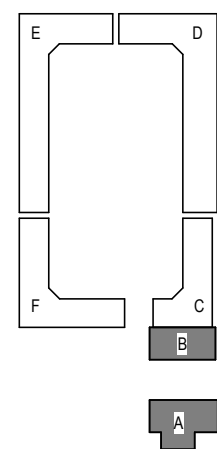
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FOR PERMIT

CLIENT NAME

GARAGES
LUXURY AT
MIRAMAR -
PHASE 1

U.S. Highway 98
Miramar Beach, FL



REVISIONS	NO.	DESCRIPTION	DATE
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Project Number	25038
Dated	10.05.2026

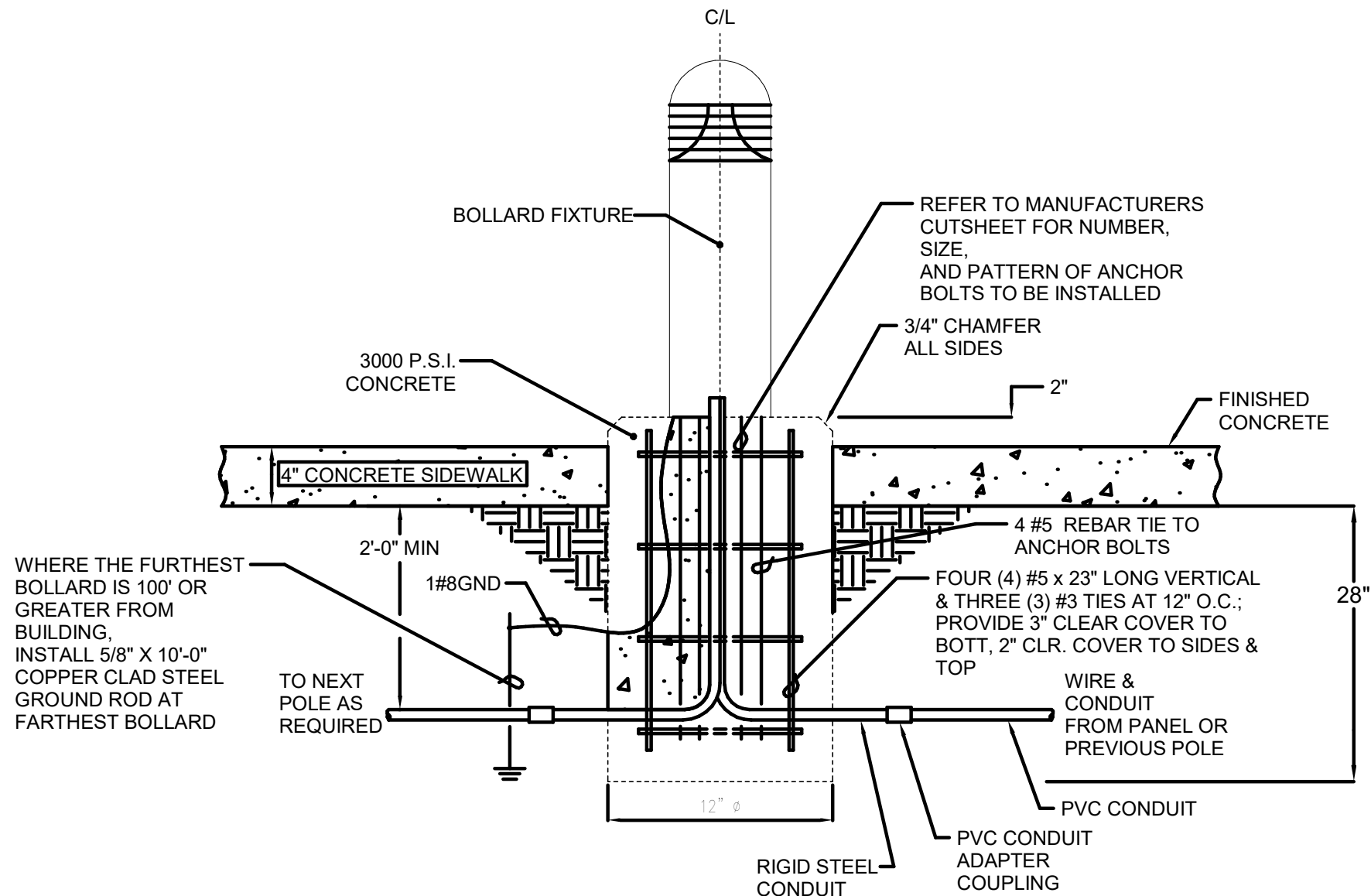
INTERIOR
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FIXTURE SCH.
AND DETAILS

E-002

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EQUALS TO BE SUBMITTED TO ARCHITECT/ENGINEER 10 DAYS PRIOR TO BID

Exterior Lighting Fixture Schedule				
Mark	Manufactuter and catalog No.	Lamp Type	Mounting	Remarks
1BL	LITHONIA LIGHTING #DSXB LED 12C 350 40K ASY MVOLT DMG (FINISH), MRAB U	16W 4000K LED	BOLLARD MOUNT	8" ROUND, 42"H, ALUMINUM, ASYMMETRICAL BOLLARD, 120V, 4000K, FINISH BY ARCH
BPO	ISOLITE #OWL-EM-(FINISH)-MB	-- LED	WALL MOUNT	120V, WET LOC. LISTED, FINISH BY ARCH, EMERGENCY OPERATION ONLY
1RSX2	LITHONIA LIGHTING #RSX2 LED P1 40K R3S MVOLT SPA (FINISH)	71W 4000K LED	POLE MOUNT	EXTERIOR LED POLE LIGHT, W/ SQUARE POLE MOUNTING, 120V, 4000K, FINISH BY ARCH
	LITHONIA LIGHTING #SSS (MOUNTING) (FINISH)	POLE	POLE BASE	14'-0"H, 4" X 4" SQUARE ALUMINUM POLE (FINISH BY ARCH)
SM	LIGHTHEADED #CSS-R-W-(FINISH)-(FINISH)-B60-40-8043-P-120-	32W 4000K LED	SURFACE MOUNT	5"D x 6"H CYLINDER, STD 0-10V DIMMING, 120V, WET LOC LISTED, FINISH BY ARCH
SME	REFER TO LIGHITNG FIXTURE SCHEDULE	32W 4000K LED	SURFACE MOUNT	5"D x 6"H CYLINDER, STD 0-10V DIMMING, 120V, WET LOC LISTED, FINISH BY ARCH, W/ EMERGENCY DRIVER
1WPX	LITHONIA LIGHTING #WPX2 LED 40K MVOLT (FINISH)	47W 4000K LED	SURFACE MOUNT	EXTERIOR LED WALL PACK, 120V, FINISH BY ARCH
1WPXE	LITHONIA LIGHTING #WPX2 LED 40K MVOLT E14WC (FINISH)	47W 4000K LED	SURFACE MOUNT	EXTERIOR LED WALL PACK, 120V, FINISH BY ARCH, W/ EMEGENCY DRIVER
WS	CAMMAN LIGHTING #OW610-96-40K-CLV-MV-(FINISH)	80W 4000K LED	WALL MOUNTED	60"H x 2.75W" DECORATIVE WALL MOUNTED SCONCE, 120V, 4000K, FINISH BY ARCH
FIXTURE SCHEDULES TO BE SUBMITTED TO ARCHITECT/ENGINEER 10 DAYS PRIOR TO ORDERING		36W 4000K LED	WALL MOUNTED	28"H x 6" DECORATIVE WALL MOUNTED SCONCE, 120V, 4000K, FINISH BY ARCH, PROVIDE REMOTE EMERGENCY BATTERY AND INSTALL IN ACCESSIBLE LOCATION
1	REFER TO CIVIL FOR LIGHTING FIXTURE(S)			



NOTE: PRIOR TO INSTALLATION EC TO OBTAIN EXACT MANUFACTURERS CUTSHEET AND VERIFY ALL REQUIREMENTS

1 FIXTURE MARK 'BL' MOUNTING DETAIL
E-003 SCALE: NONE



**WATFORD
ENGINEERING**

Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-081
Checked By: ALD
Drawn By: SBH

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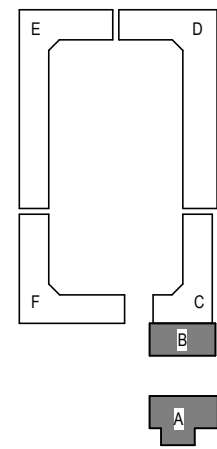
Digital Signature

FOR PERMIT

CLIENT NAME

GARAGES
LUXURY AT
MIRAMAR -
PHASE 1

U.S. Highway 98
Miramar Beach, FL



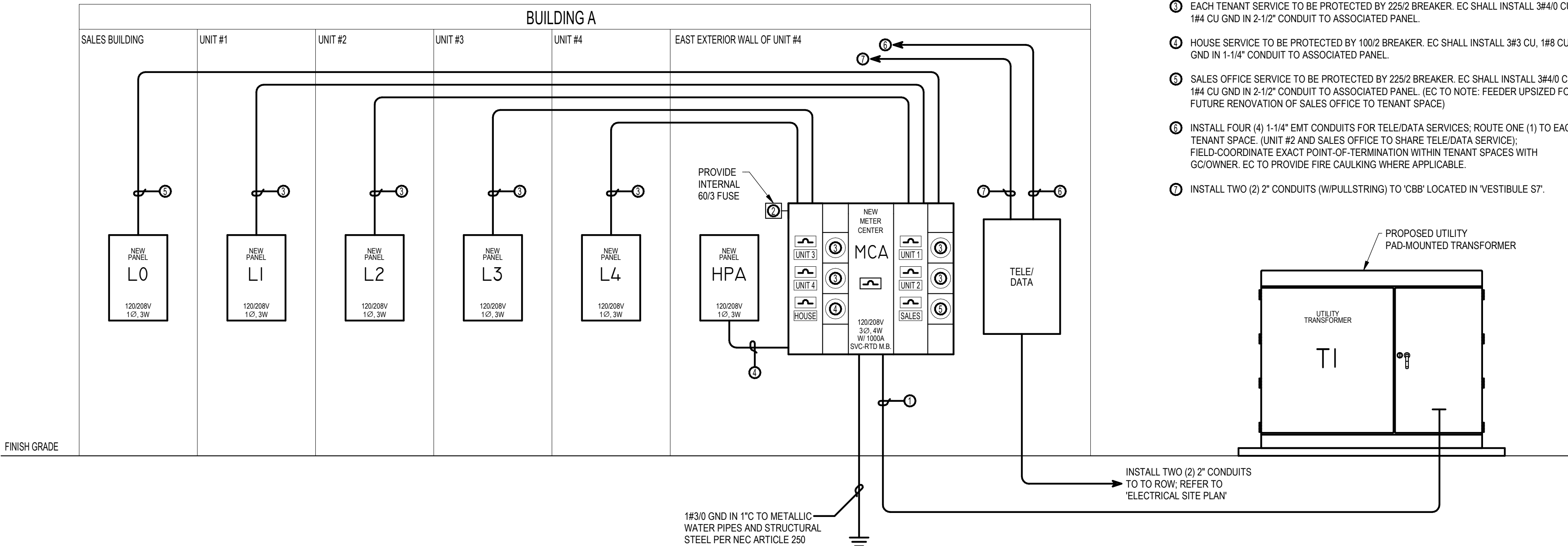
REVISIONS		
NO.	DESCRIPTION	DATE

Project Number	25038
Dated	10.05.2026

EXTERIOR
LIGHTING
FIXTURE SCH.
AND DETAILS

E-003

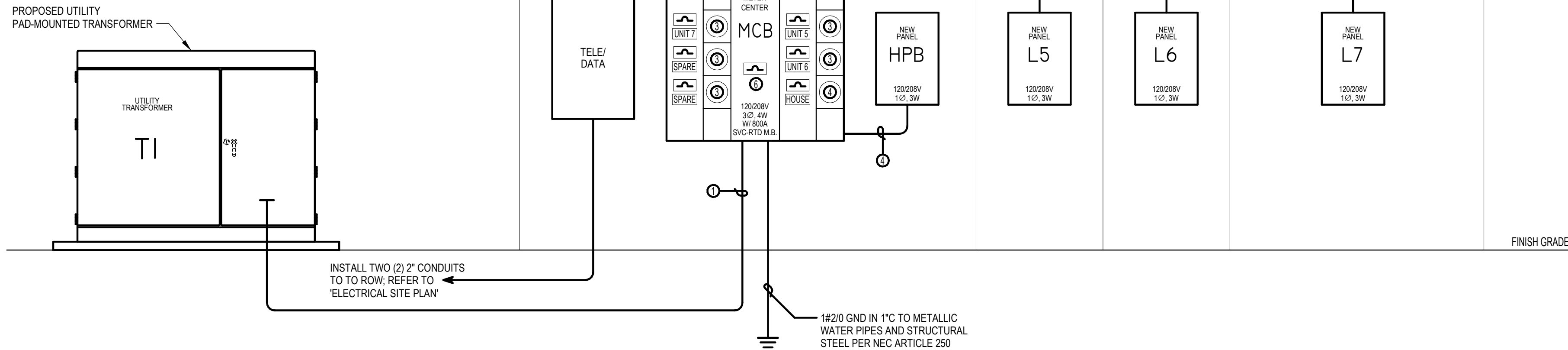
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1 BLDG A POWER RISER DIAGRAM
E-004 SCALE: NONE

BLDG B POWER RISER DIAGRAM KEYNOTES:

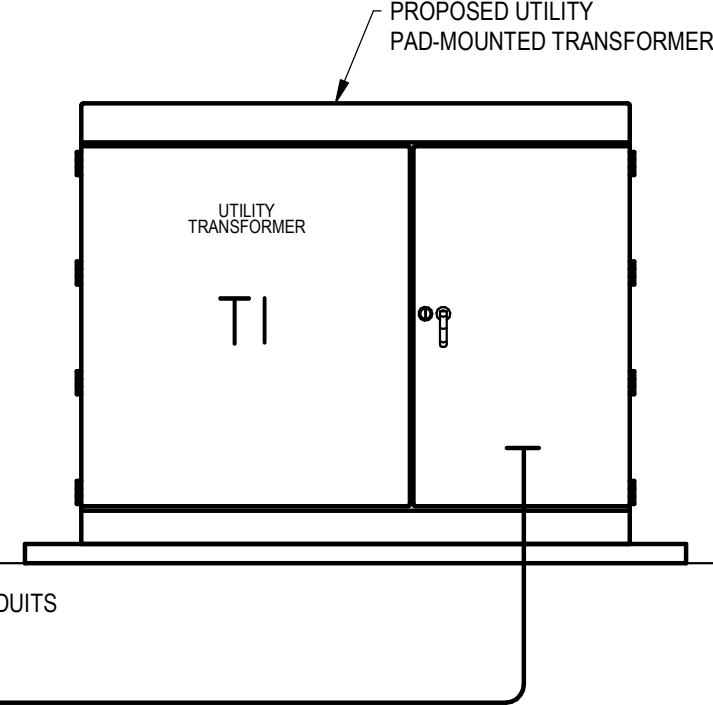
1. INSTALL TWO (2) PARALLEL RUNS OF 4#500MCM CU, IN 3-1/2" CONDUIT. COORDINATE ALL REQUIREMENTS/POINTS-OF-TERMINATION WITH UTILITY PRIOR TO CONSTRUCTION. INCLUDE IN BID AS SEPARATE LINE ITEM IN THE EVENT THE UTILITY FURNISHES/INSTALLS SERVICE. IF UTILITY FURNISHES/INSTALLS SERVICE, DEDUCT THIS LINE ITEM DURING FINAL BILLING.
2. INSTALL SURGE SUPPRESSOR WITH 4#6, 1#10GND IN 1" CONDUIT; LEAD LENGTH CANNOT EXCEED UL 1449 2ND EDITION TEST OF 14". REFER TO SPECIFICATIONS.
3. EACH TENANT SERVICE TO BE PROTECTED BY 225/2 BREAKER. EC SHALL INSTALL 3#4/0 CU, 1#4 CU GND IN 2-1/2" CONDUIT TO ASSOCIATED PANEL.
4. HOUSE SERVICE TO BE PROTECTED BY 80/2 BREAKER. EC SHALL INSTALL 3#3 CU, 1#8 CU GND IN 1-1/4" CONDUIT TO ASSOCIATED PANEL.
5. INSTALL FOUR (4) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE; FIELD-COORDINATE EXACT POINT-OF-TERMINATION WITHIN TENANT SPACES WITH GO/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
6. PER NEC 230.70(B) LABEL 1 OF 2 WITH PERMANENT MICARTA NAMEPLATE. EC TO NOTE: BUILDING SERVICE 2 OF 2 IS INSTALLED DURING PHASE TWO OF CONSTRUCTION.



2 BLDG B POWER RISER DIAGRAM
E-004 SCALE: NONE

BLDG A POWER RISER DIAGRAM KEYNOTES:

1. INSTALL THREE (3) PARALLEL RUNS OF 4#500MCM CU, IN 3-1/2" CONDUIT. COORDINATE ALL REQUIREMENTS/POINTS-OF-TERMINATION WITH UTILITY PRIOR TO CONSTRUCTION. INCLUDE IN BID AS SEPARATE LINE ITEM IN THE EVENT THE UTILITY FURNISHES/INSTALLS SERVICE. IF UTILITY FURNISHES/INSTALLS SERVICE, DEDUCT THIS LINE ITEM DURING FINAL BILLING.
2. INSTALL SURGE SUPPRESSOR WITH 4#6, 1#10GND IN 1" CONDUIT; LEAD LENGTH CANNOT EXCEED UL 1449 2ND EDITION TEST OF 14". REFER TO SPECIFICATIONS.
3. EACH TENANT SERVICE TO BE PROTECTED BY 225/2 BREAKER. EC SHALL INSTALL 3#4/0 CU, 1#4 CU GND IN 2-1/2" CONDUIT TO ASSOCIATED PANEL.
4. HOUSE SERVICE TO BE PROTECTED BY 100/2 BREAKER. EC SHALL INSTALL 3#3 CU, 1#8 CU GND IN 1-1/4" CONDUIT TO ASSOCIATED PANEL.
5. SALES OFFICE SERVICE TO BE PROTECTED BY 225/2 BREAKER. EC SHALL INSTALL 3#4/0 CU, 1#4 CU GND IN 2-1/2" CONDUIT TO ASSOCIATED PANEL. (EC TO NOTE: FEEDER UPSIZED FOR FUTURE RENOVATION OF SALES OFFICE TO TENANT SPACE)
6. INSTALL FOUR (4) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE. (UNIT #2 AND SALES OFFICE TO SHARE TELE/DATA SERVICE); FIELD-COORDINATE EXACT POINT-OF-TERMINATION WITHIN TENANT SPACES WITH GO/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
7. INSTALL TWO (2) 2" CONDUITS (W/PULLSTRING) TO 'CBB' LOCATED IN 'VESTIBULE ST'.

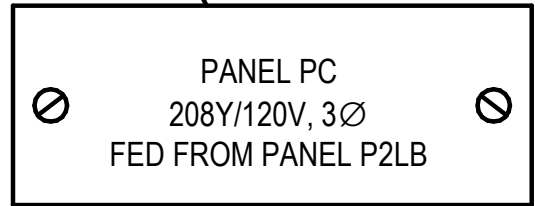


BLDG A & BLDG B POWER RISER DIAGRAM GENERAL NOTE(S):

- ELECTRICAL CONTRACTOR TO INSTALL METER BASE AND BREAKERS SO THAT CENTER OF METER IS NO LESS THAN 4'-5" 5' A.F.G. AND BREAKER HANDLE IS NO GREATER THAN 79" A.F.G. TO COMPLY WITH UTILITY GUIDELINES AND NEC REQUIREMENTS.
- WITH APPROVAL OF LOCAL AHJ AND UTILITY, ALUMINUM CONDUCTOR MAY BE USED FOR SERVICE ENTRANCE/FEEDERS PROVIDED ALUMINUM CONDUCTOR HAS SAME OR GREATER AMPACITY OF SPECIFIED 'CU' CONDUCTORS.
- PRIOR TO CONSTRUCTION, EC TO FIELD-COORDINATE WITH TELEPHONE, POWER, & CATV (IF REQ'D) FOR ALL REQUIREMENTS, INCLUDING CONDUIT #/SIZE, POINTS-OF-TERMINATION, ETC...) FOR TELE/DATA SERVICE, INSTALL TWO (2) 2" CONDUITS (W/PULLSTRINGS) FROM BUILDING TO HIGHWAY RIGHT-OF-WAY... FOR BID PURPOSES ONLY.

3 TYPICAL SERVICE EQUIPMENT
FAULT CURRENT LABEL DETAIL
E-004 SCALE: NONE

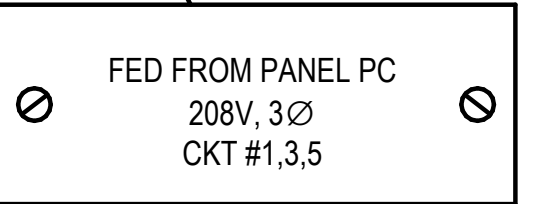
EXAMPLE PANELBOARD LABEL



ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS.

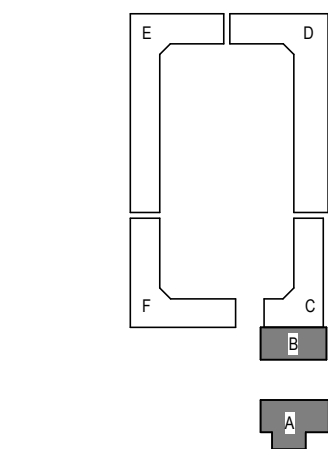
4 TYPICAL PANELBOARD LABELING DETAIL
E-004 SCALE: NONE

EXAMPLE DISCONNECT LABEL



ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS.

5 TYPICAL DISCONNECT LABELING DETAIL
E-004 SCALE: NONE



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Meter Center Schedule: MCA						
Location: BLDG A EAST EXTERIOR WALL			Incoming Service Characteristics		Distribution System Characteristics	
Supply From: UTILITY 'T1'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 3		Wires: 3	
			M.B.: 1000			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	HOUSE BUILDING A	'HPA'	100 A	4101 VA	2850 VA	
2	SALES	'L0'	225 A		18429 VA	19639 VA
3	UNIT 1	'L1'	225 A	8999 VA		9860 VA
4	UNIT 2	'L2'	225 A	14929 VA	14772 VA	
5	UNIT 3	'L3'	225 A		8512 VA	7251 VA
6	UNIT 4	'L4'	225 A	8999 VA		10259 VA
				37027 VA	44563 VA	47009 VA
				309 A	381 A	401 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		8800 VA	100.00%	8800 VA		
HVAC		51148 VA	100.00%	51148 VA	Total Conn. Load:	128599 VA
Other		100 VA	100.00%	100 VA	Total Est. Demand:	128599 VA
Receptacle		58638 VA	100.00%	58638 VA	Total Conn.:	357 A
Power		5000 VA	100.00%	5000 VA	Total Est. Demand:	357 A
Lighting		4913 VA	100.00%	4913 VA		

Meter Center Schedule: MCB						
Location: BLDG B EAST EXTERIOR WALL			Incoming Service Characteristics		Distribution System Characteristics	
Supply From: UTILITY 'T1'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 3		Wires: 3	
			M.B.: 800 A			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	HOUSE BUILDING B	'HPB'	80 A	644 VA	0 VA	
2	UNIT 5	'L5'	225 A		10039 VA	8999 VA
3	UNIT 6	'L6'	225 A	7251 VA		8292 VA
4	UNIT 7	'L7'	225 A	9113 VA	8394 VA	
5				17008 VA	18433 VA	17290 VA
				142 A	154 A	144 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		4720 VA	100.00%	4720 VA		
HVAC		20141 VA	100.00%	20141 VA	Total Conn. Load:	52732 VA
Other		0 VA	0.00%	0 VA	Total Est. Demand:	52732 VA
Receptacle		25684 VA	100.00%	25684 VA	Total Conn.:	146 A
Lighting		2187 VA	100.00%	2187 VA	Total Est. Demand:	146 A

Branch Panel: HPA											
Location: BLDG A EAST EXTERIOR WALL				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCA				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 125 A			
Enclosure: NEMA 3R								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	MONUMENT SIGN	50 A	2	1000 VA	1500 VA			1	20 A	EXTERIOR GATE EXIT	2
3						1000 VA	1500 VA	1	20 A	EXTERIOR GATE ENTRY	4
5	LTS-POLE LIGHTS	20 A	2	497 VA	360 VA			1	20 A	REC-EXTERIOR	6
7						0 VA	0 VA	1	20 A	SPARE	8
9	Lighting	20 A	1	744 VA	0 VA			1	20 A	SPARE	10
11	POND FOUNTAIN	20 A	1			350 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	1	--	0 VA			1	20 A	SPARE	14
15	SPACE	--	1			--	0 VA	1	20 A	SPARE	16
17	SPACE	--	1	--	0 VA			1	20 A	SPARE	18
19	SPACE	--	1			--	0 VA	1	20 A	SPARE	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1			--	0 VA	1	20 A	SPARE	24
Total Load:				4101 VA		2850 VA					
Total Amps:				38 A		27 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Receptacle		710 VA		100.00%		710 VA					
Power		5000 VA		100.00%		5000 VA		Total Conn. Load:		6951 VA	
Lighting		1241 VA		100.00%		1241 VA		Total Est. Demand:		6951 VA	
								Total Conn.:		33 A	
								Total Est. Demand:		33 A	
Notes:											

Branch Panel: HPB

Location: BLDG B EAST EXTERIOR WALL

Supply From: MCB

Mounting: SURFACE

Enclosure: NEMA 3R

Volts: 120/208 Single

Phases: 1

Wires: 3

A.I.C. Rating: 22,000

Mains Type: MLO

Mains Rating: 125 A

MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	REC-EXTERIOR	20 A	1	360 VA	284 VA			1	20 A		2
3	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	4
5	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	6
7	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	8
9	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	10
11	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	1	--	--			1	--	SPACE	14
15	SPACE	--	1			--	--	1	--	SPACE	16
17	SPACE	--	1	--	--			1	--	SPACE	18
19	SPACE	--	1			--	--	1	--	SPACE	20
21	SPACE	--	1	--	--			1	--	SPACE	22
23	SPACE	--	1			--	--	1	--	SPACE	24
Total Load:				644 VA		0 VA					
Total Amps:				5 A		0 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Receptacle	360 VA	100.00%	360 VA		
Lighting	284 VA	100.00%	284 VA	Total Conn. Load:	644 VA
				Total Est. Demand:	644 VA
				Total Conn.:	3 A
				Total Est. Demand:	3 A

Notes:

Branch Panel: L0

Location: VEST S7

Supply From: MCA

Mounting: RECESSED

Enclosure: NEMA 1

Volts: 120/208 Single

Phases: 1

Wires: 3

A.I.C. Rating: 22,000

Mains Type: MLO

Mains Rating: 225 A

MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	B		C		Poles	Trip	Circuit Description	CKT
1	HP-1	60 A ①	2	3245 VA	180 VA			1	20 A	REC-RR SALES S8	2
3						3245 VA	540 VA	1	20 A	REC-OFFICE S1 COUNTERTOP	4
5	AHU-1	80 A ①	2	6074 VA	360 VA			1	20 A	REC-OFFICE S1 COUNTER	6
7		③				6074 VA	1080 VA	1	20 A	REC-OFFICE S1/RECEPTION S2/EXTERIOR	8
9	IWH-1	25 A ②	2	2050 VA	720 VA			1	20 A	REC-RECEPTION S2/VEST. S7/WORK S6	10
11		③				2050 VA	400 VA	1	20 A	UNDERCOUNTER COPIER	12
13	IWH-1	25 A ②	2	2050 VA	540 VA			1	20 A	REC-WORK AREA S6 COUNTER	14
15		③				2050 VA	720 VA	1	20 A	REC-RECEPTION S2 COUNTER	16
17	BIDET	20 A	1	200 VA	720 VA			1	20 A	REC-RECEPTION S2 FLOORBOX/WORK S6	18
19	SPARE	20 A	1			0 VA	180 VA	1	20 A	REC-BREAK S5 COUNTER	20
21	SPARE	20 A	1	0 VA	540 VA			1	20 A (2)	UNDERCOUNTER ICE MAKER-BREAK S5	22
23	SPARE	20 A	1			0 VA	600 VA	1	20 A (2)	UNDERCOUNTER REFRIG.-BREAK S5	24
25	SPARE	20 A	1	0 VA	360 VA			1	20 A	REC-BREAK S5 COUNTER	26
27	SPARE	20 A	1			0 VA	1080 VA	1	20 A	REC-CONF S3 COUNTER	28
29	SPARE	20 A	1	0 VA	600 VA			1	20 A (2)	UNDERCOUNTER REFRIG.-CONF S3	30
31	SPACE	--	1	--		--	1260 VA	1	20 A	REC-CONF S3/RECEPTION S2/EXTERIOR	32
33	SPACE	--	1	--	430 VA			1	20 A	LTS-INTERIOR	34
35	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	36
37	SPACE	--	1	--	0 VA			1	20 A	SPARE	38
39	SPACE	--	1	--		--	360 VA	1	20 A	CBB	40
41	SPACE	--	1	--	360 VA			1	20 A	CBB	42
Total Load:				18429 VA		19639 VA					
Total Amps:				177 A		187 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	26838 VA	100.00%	26838 VA		
Other	100 VA	100.00%	100 VA	Total Conn. Load:	38068 VA
Receptacle	10800 VA	100.00%	10800 VA	Total Est. Demand:	38068 VA
Lighting	330 VA	100.00%	330 VA	Total Conn.:	183 A
				Total Est. Demand:	183 A

Notes:

① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED

② FURNISH/INSTALL GFCI BREAKER

③ FURNISH BREAKER W/ HANDLE 'LOCK-OFF' CAPABILITIES

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Branch Panel: L1											
Location: UNIT 1 1				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCA				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	4992 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						4992 VA	540 VA	1	20 A	REC-UNIT 1	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 1	6
7						0 VA	720 VA	1	20 A	REC-UNIT 1	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	401 VA			1	20 A	LTS-UNIT 1	10
11						0 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	1	--	0 VA			1	20 A	SPARE	14
15	SPACE	--	1			--	0 VA	1	20 A	SPARE	16
17	SPACE	--	1	--	0 VA			1	20 A	SPARE	18
19	SPACE	--	1			--	0 VA	1	20 A	SPARE	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1			--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1			--	0 VA	1	20 A	SPARE	28
29	SPACE	--	1	--	0 VA			1	20 A	SPARE	30
31	SPACE	--	1			--	0 VA	1	20 A	SPARE	32
33	SPACE	--	1	--	0 VA			1	20 A	SPARE	34
35	MHP-A/WM-A	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	36
37				916 VA	0 VA			1	20 A	SPARE	38
39	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-B/WM-B	40
41				916 VA	916 VA						42
Total Load:				9860 VA		8999 VA					
Total Amps:				94 A		87 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		1180 VA		100.00%		1180 VA					
HVAC		5493 VA		100.00%		5493 VA		Total Conn. Load:		18858 VA	
Other		0 VA		0.00%		0 VA		Total Est. Demand:		18858 VA	
Receptacle		11784 VA		100.00%		11784 VA		Total Conn.:		91 A	
Lighting		401 VA		100.00%		401 VA		Total Est. Demand:		91 A	
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L3											
Location: UNIT 3 3				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCA				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	B		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	4160 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						4160 VA	540 VA	1	20 A	REC-UNIT 3	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 3	6
7						0 VA	720 VA	1	20 A	REC-UNIT 3	8
9	FUTURE SHP AIR COMPRESSOR	60 A	2	0 VA	801 VA			1	20 A	LTS-UNIT 3	10
11						0 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	1	--	0 VA			1	20 A	SPARE	14
15	SPACE	--	1			--	0 VA	1	20 A	SPARE	16
17	SPACE	--	1	--	0 VA			1	20 A	SPARE	18
19	SPACE	--	1			--	0 VA	1	20 A	SPARE	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1			--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1			--	0 VA	1	20 A	SPARE	28
29	SPACE	--	1	--	0 VA			1	20 A	SPARE	30
31	SPACE	--	1			--	0 VA	1	20 A	SPARE	32
33	SPACE	--	1	--	0 VA			1	20 A	SPARE	34
35	MHP-A/WM-A	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	36
37				916 VA	0 VA			1	20 A	SPARE	38
39	MHP-A/WM-A	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	40
41				916 VA	0 VA			1	20 A	SPARE	42
Total Load:				8512 VA		7251 VA					
Total Amps:				80 A		70 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		1180 VA		100.00%		1180 VA					
HVAC		3662 VA		100.00%		3662 VA				Total Conn. Load:	15763 VA
Other		0 VA		0.00%		0 VA				Total Est. Demand:	15763 VA
Receptacle		10120 VA		100.00%		10120 VA				Total Conn.:	76 A
Lighting		801 VA		100.00%		801 VA				Total Est. Demand:	76 A
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L2											
Location: UNIT 2 2				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCA				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	4160 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						4160 VA	720 VA	1	20 A	REC-UNIT 2	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 2	6
7						0 VA	600 VA	1	20 A (2)	UC REFRIGERATOR	8
9	4-POST LIFT MOTOR	25 A	2	2040 VA	540 VA			1	20 A (2)	UC ICE MAKER	10
11						2040 VA	360 VA	1	20 A	REC-UNIT 2 COUNTER TOP	12
13	4-POST LIFT AIR COMPRESSOR	20 A	1	180 VA	720 VA			1	20 A	REC-RR 2C	14
15	SPARE	20 A	1			0 VA	1260 VA	1	20 A	REC-UNIT 2 BALCONY	16
17	SPARE	20 A	1	0 VA	538 VA			1	20 A	LTS-UNIT 2 GARAGE	18
19	SPACE	--	1			--	801 VA	1	20 A	LTS-BALCONY/RR/KITCHEN	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1			--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1			--	0 VA	1	20 A	SPARE	28
29	BIDET	20 A	1	200 VA	0 VA			1	20 A	SPARE	30
31	EW/H-1	40 A ①	2			3000 VA	0 VA	1	20 A	SPARE	32
33		③		3000 VA	0 VA			1	20 A	SPARE	34
35	MHP-B/WM-B	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	36
37				916 VA	0 VA			1	20 A	SPARE	38
39	MHP-B/WM-B	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	40
41				916 VA	0 VA			1	20 A	SPARE	42
Total Load:				14929 VA		14772 VA					
Total Amps:				143 A		142 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		5280 VA		100.00%		5280 VA					
HVAC		9662 VA		100.00%		9662 VA				Total Conn. Load:	29701 VA
Other		0 VA		0.00%		0 VA				Total Est. Demand:	29701 VA
Receptacle		13440 VA		100.00%		13440 VA				Total Conn.:	143 A
Lighting		1339 VA		100.00%		1339 VA				Total Est. Demand:	143 A
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											
② FURNISH/INSTALL GFCI BREAKER											
③ FURNISH BREAKER W/ HANDLE 'LOCK-OFF' CAPABILITIES											

Branch Panel: L4											
Location: UNIT 4 4				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCA				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	4992 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						4992 VA	540 VA	1	20 A	REC-UNIT 4	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 4	6
7						0 VA	720 VA	1	20 A	REC-UNIT 4	8
9	FUTURE 5 HP AIR COMPRESSOR	60 A	2	0 VA	801 VA			1	20 A	LTS-UNIT 4	10
11						0 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	1	--	0 VA			1	20 A	SPARE	14
15	SPACE	--	1			--	0 VA	1	20 A	SPARE	16
17	SPACE	--	1	--	0 VA			1	20 A	SPARE	18
19	SPACE	--	1			--	0 VA	1	20 A	SPARE	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1			--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1			--	0 VA	1	20 A	SPARE	28
29	SPACE	--	1	--	0 VA			1	20 A	SPARE	30
31	SPACE	--	1			--	0 VA	1	20 A	SPARE	32
33	SPACE	--	1	--	0 VA			1	20 A	SPARE	34
35						916 VA	0 VA	1	20 A	SPARE	36
37	MHP-B/W/M-B	25 A ①	2	916 VA	0 VA			1	20 A	SPARE	38
39						916 VA	916 VA				40
41	MHP-A/W/M-A	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-A/W/M-A	42
Total Load:				10258 VA		8999 VA					
Total Amps:				97 A		87 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		1180 VA		100.00%		1180 VA					
HVAC		5493 VA		100.00%		5493 VA				Total Conn. Load:	19258 VA
Other		0 VA		0.00%		0 VA				Total Est. Demand:	19258 VA
Receptacle		11784 VA		100.00%		11784 VA				Total Conn.:	93 A
Lighting		801 VA		100.00%		801 VA				Total Est. Demand:	93 A
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

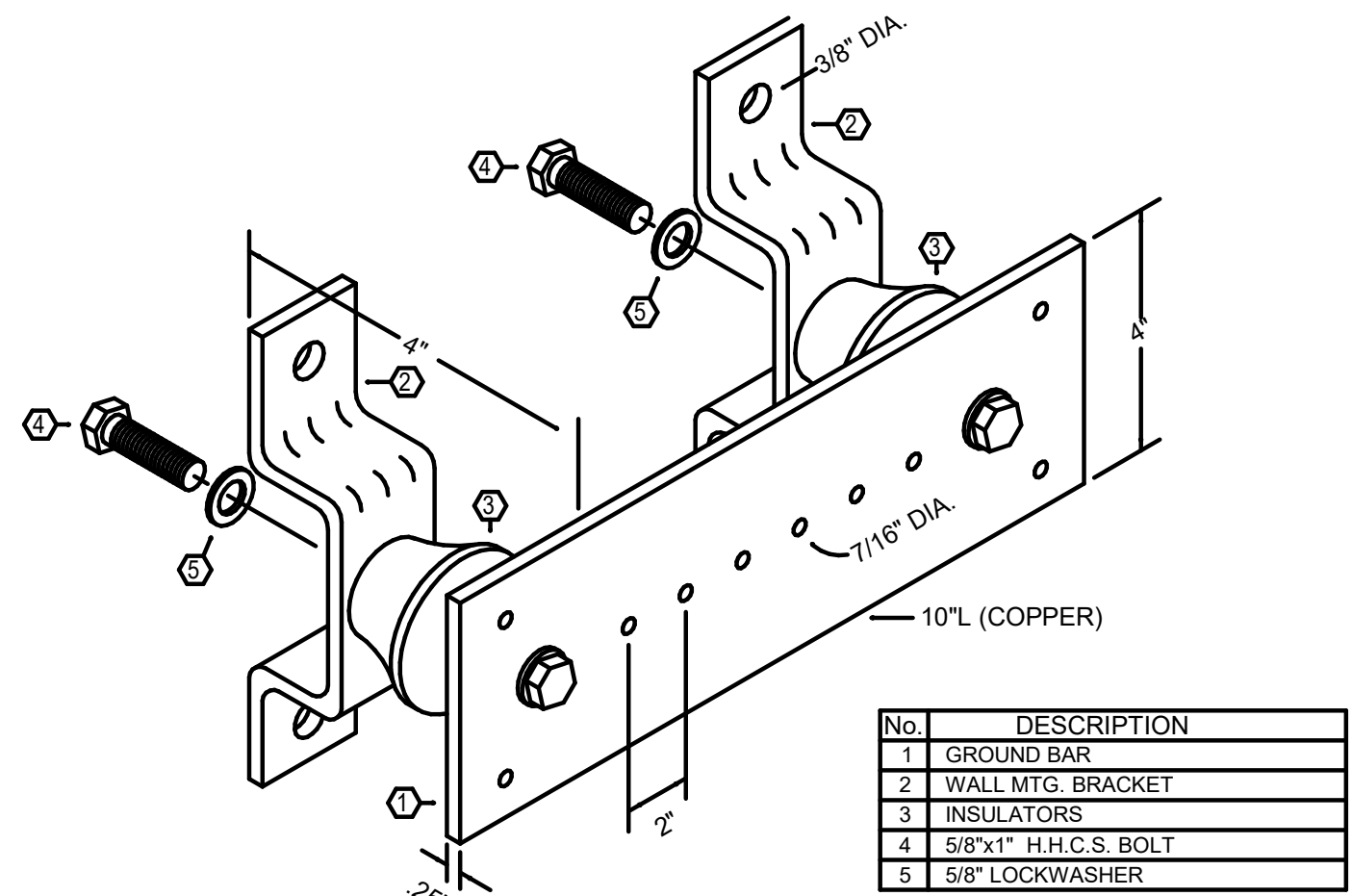
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Branch Panel: L5											
Location: UNIT 5 5				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCB				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	B		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	4992 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						4992 VA	720 VA	1	20 A	REC-UNIT 5	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	720 VA			1	20 A	REC-UNIT 5	6
7						0 VA	540 VA	1	20 A	REC-UNIT 5	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	401 VA			1	20 A	LTS-UNIT 5	10
11						0 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	1	--	0 VA			1	20 A	SPARE	14
15	SPACE	--	1			--	0 VA	1	20 A	SPARE	16
17	SPACE	--	1	--	0 VA			1	20 A	SPARE	18
19	SPACE	--	1			--	0 VA	1	20 A	SPARE	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1			--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1			--	0 VA	1	20 A	SPARE	28
29	SPACE	--	1	--	0 VA			1	20 A	SPARE	30
31	SPACE	--	1			--	0 VA	1	20 A	SPARE	32
33	SPACE	--	1	--	0 VA			1	20 A	SPARE	34
35						916 VA	0 VA	1	20 A	SPARE	36
37	MHP-B/WM-B	25 A ①	2	916 VA	0 VA			1	20 A	SPARE	38
39						916 VA	916 VA				40
41	MHP-B/WM-B	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42
Total Load:				10039 VA		8999 VA					
Total Amps:				95 A		87 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		1180 VA		100.00%		1180 VA					
HVAC		5493 VA		100.00%		5493 VA				Total Conn. Load:	19038 VA
Other		0 VA		0.00%		0 VA				Total Est. Demand:	19038 VA
Receptacle		11964 VA		100.00%		11964 VA				Total Conn.:	92 A
Lighting		401 VA		100.00%		401 VA				Total Est. Demand:	92 A
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L6											
Location: UNIT 6 6				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCB				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	4160 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						4160 VA	720 VA	1	20 A	REC-UNIT 6	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	720 VA			1	20 A	REC-UNIT 6	6
7						0 VA	540 VA	1	20 A	REC-UNIT 6	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	401 VA			1	20 A	LTS-UNIT 6	10
11						0 VA	0 VA	1	20 A	SPARE	12
13	SPACE	--	1	--	0 VA			1	20 A	SPARE	14
15	SPACE	--	1			--	0 VA	1	20 A	SPARE	16
17	SPACE	--	1	--	0 VA			1	20 A	SPARE	18
19	SPACE	--	1			--	0 VA	1	20 A	SPARE	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1			--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1			--	0 VA	1	20 A	SPARE	28
29	SPACE	--	1	--	0 VA			1	20 A	SPARE	30
31	SPACE	--	1			--	0 VA	1	20 A	SPARE	32
33	SPACE	--	1	--	0 VA			1	20 A	SPARE	34
35						916 VA	0 VA	1	20 A	SPARE	36
37	MHP-A/WM-A	25 A ①	2	916 VA	0 VA			1	20 A	SPARE	38
39						916 VA	0 VA	1	20 A	SPARE	40
41	MHP-A/WM-A	25 A ①	2	916 VA	0 VA			1	20 A	SPARE	42
Total Load:				8292 VA		7251 VA					
Total Amps:				78 A		70 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		1180 VA		100.00%		1180 VA					
HVAC		3662 VA		100.00%		3662 VA		Total Conn. Load: 15543 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 15543 VA			
Receptacle		10300 VA		100.00%		10300 VA		Total Conn.: 75 A			
Lighting		401 VA		100.00%		401 VA		Total Est. Demand: 75 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

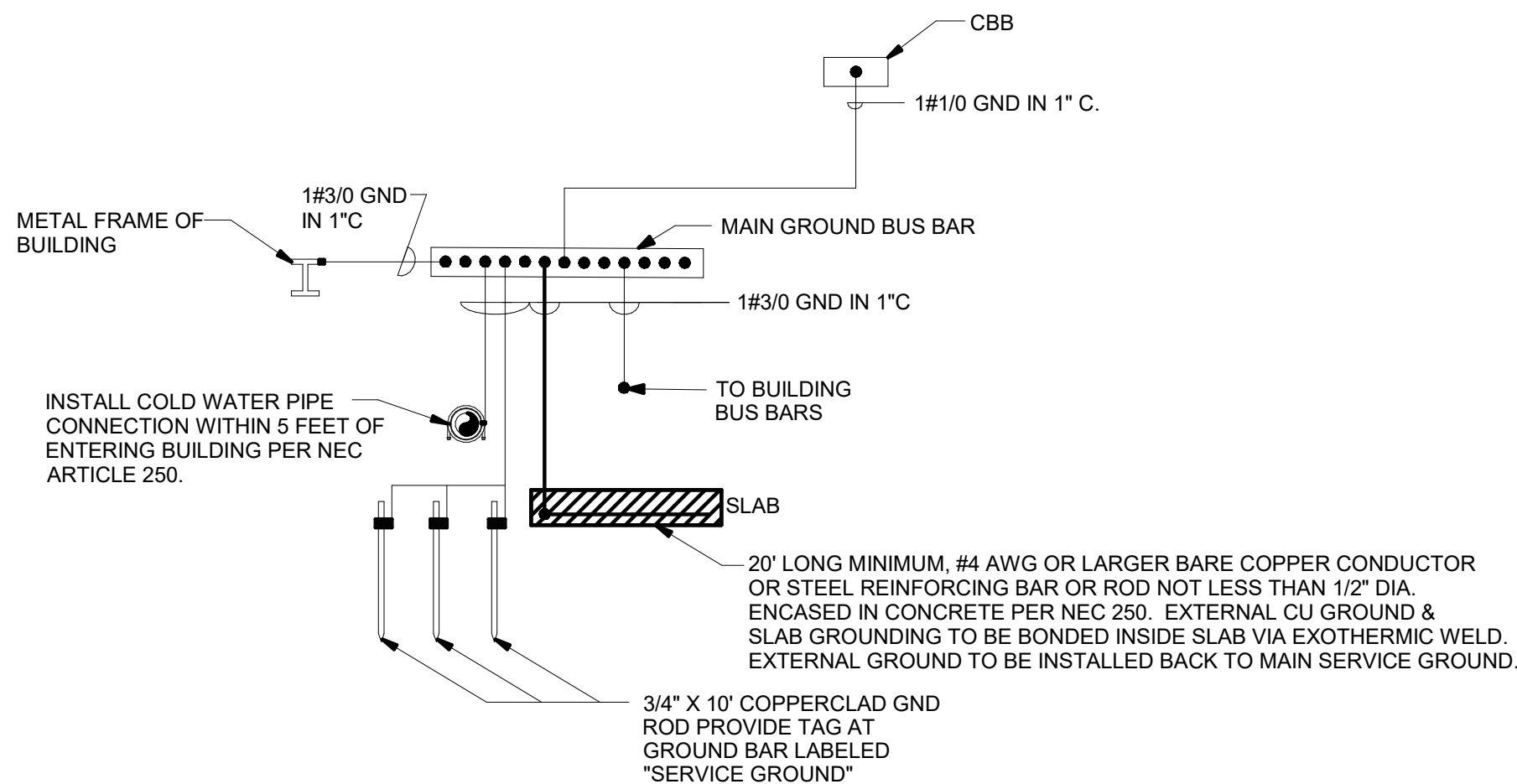
Branch Panel: L789											
Location: UNIT 789 7				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCB				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	MOTORIZED DOOR	20 A	1	1180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3	REC-UNIT 789	20 A	1			720 VA	540 VA	1	20 A	REC-UNIT 789	4
5	REC-UNIT 789	20 A	1	720 VA	540 VA			1	20 A	REC-UNIT 789	6
7	LTS-UNIT 789	20 A	1			1101 VA	540 VA	1	20 A	REC-UNIT 789	8
9	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	10
11	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	12
13	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	14
15	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	16
17	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	18
19	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	20
21	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	22
23	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	24
25	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	26
27	SPACE	--	1	--	--	--	0 VA	1	20 A	SPARE	28
29	SPACE	--	1	--	0 VA			1	20 A	SPARE	30
31	SPACE	--	1	--	--	--	0 VA	1	20 A	SPARE	32
33	SPACE	--	1	--	0 VA			1	20 A	SPARE	34
35	SPACE	--	1			--	--	1	--	SPACE	36
37	SPACE	--	1	--	--			1	--	SPACE	38
39						916 VA	--	1	--	SPACE	40
41	MHP-B/WM-B	25 A ①	2	916 VA	--			1	--	SPACE	42
43						916 VA	--	1	--	SPACE	44
45	MHP-B/WM-B	25 A ①	2	916 VA	--			1	--	SPACE	46
47						916 VA	916 VA	2	25 A ①	MHP-B/WM-B	48
49	MHP-B/WM-B	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-B/WM-B	50
51						916 VA	916 VA	2	25 A ①	MHP-B/WM-B	52
53	MHP-B/WM-B	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-B/WM-B	54
Total Load:				9113 VA		8394 VA					
Total Amps:				87 A		81 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		2360 VA		100.00%		2360 VA					
HVAC		10986 VA		100.00%		10986 VA		Total Conn. Load: 17507 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 17507 VA			
Receptacle		3060 VA		100.00%		3060 VA		Total Conn.: 84 A			
Lighting		1101 VA		100.00%		1101 VA		Total Est. Demand: 84 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

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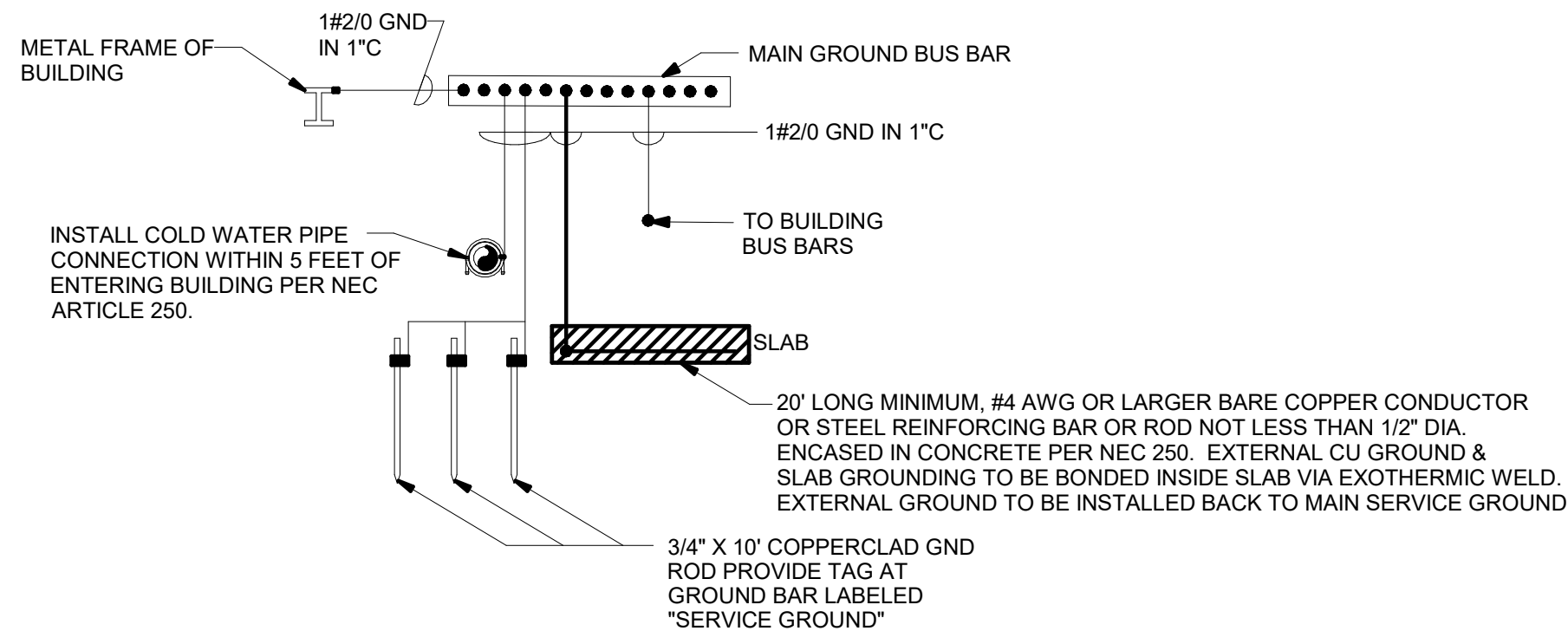


GROUND BAR NOTES:

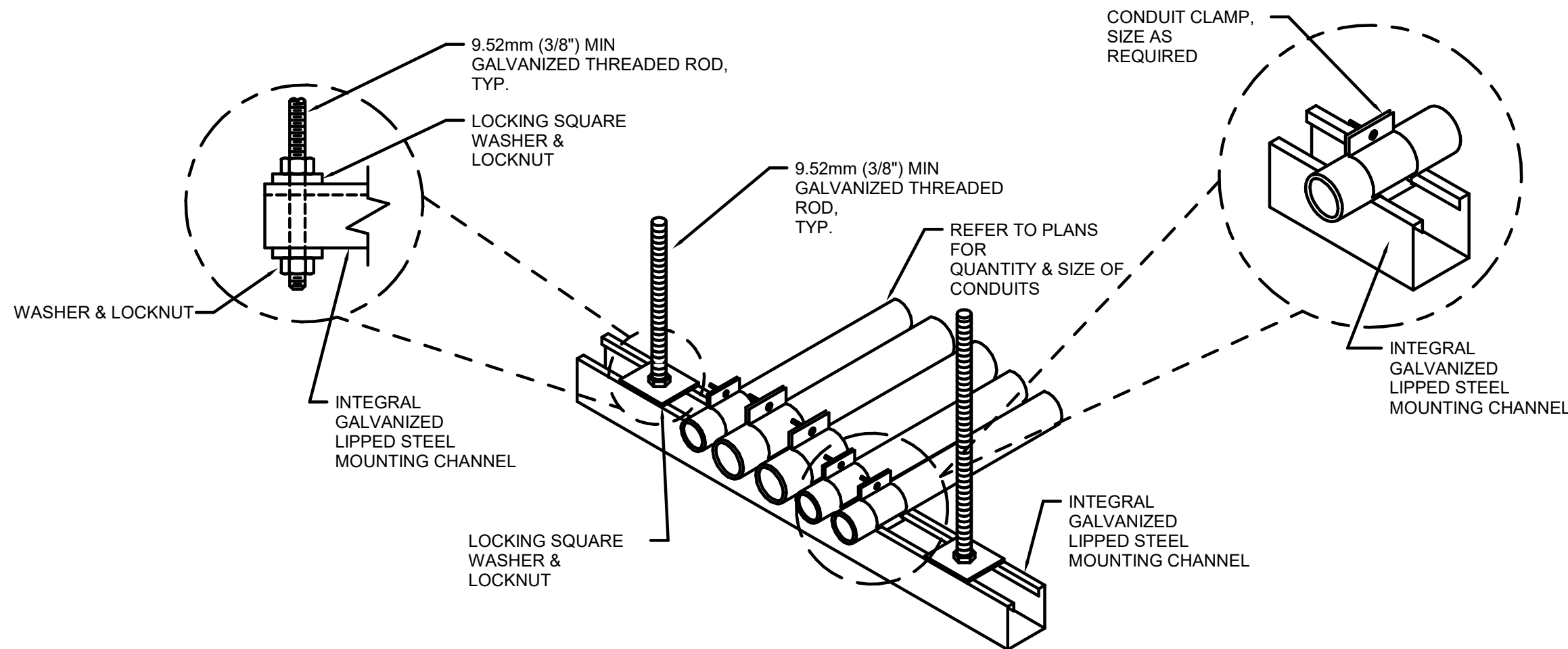
1. INSTALL ONE BAR AT EACH COMMUNICATIONS BACKBOARD.
2. ROUTE 1#1/0 BARE CU IN 1\"C. TO ELECTRICAL SERVICE GND FROM BAR ON MAIN COMM. BACKBOARD.
3. CONNECT BARS WITH 1#6 BARE CU IN 1\"C.



2 BLDG A GROUNDING SYSTEM RISER DIAGRAM
E-008 SCALE: NONE



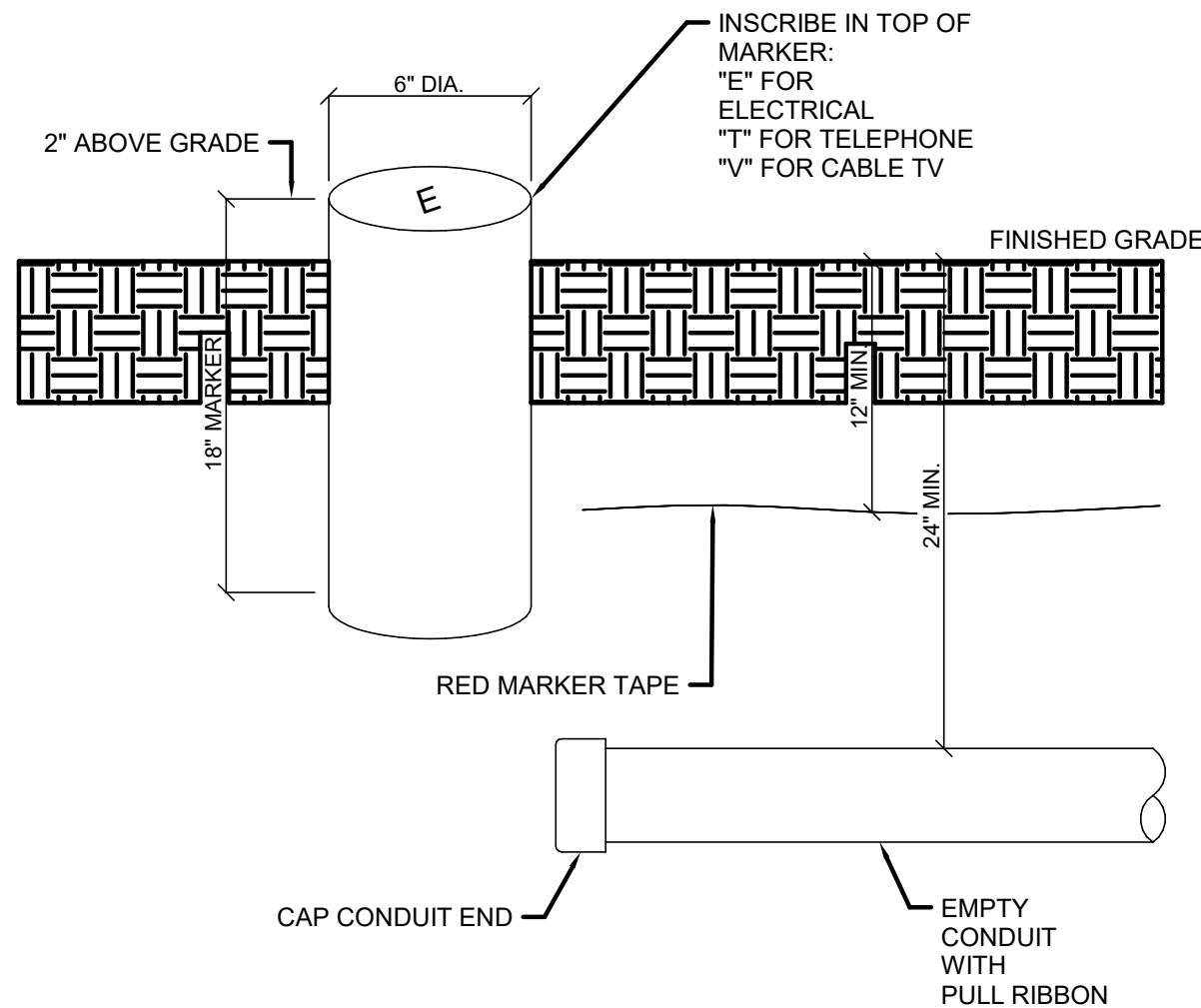
3 BLDG B GROUNDING SYSTEM RISER DIAGRAM
E-008 SCALE: NONE



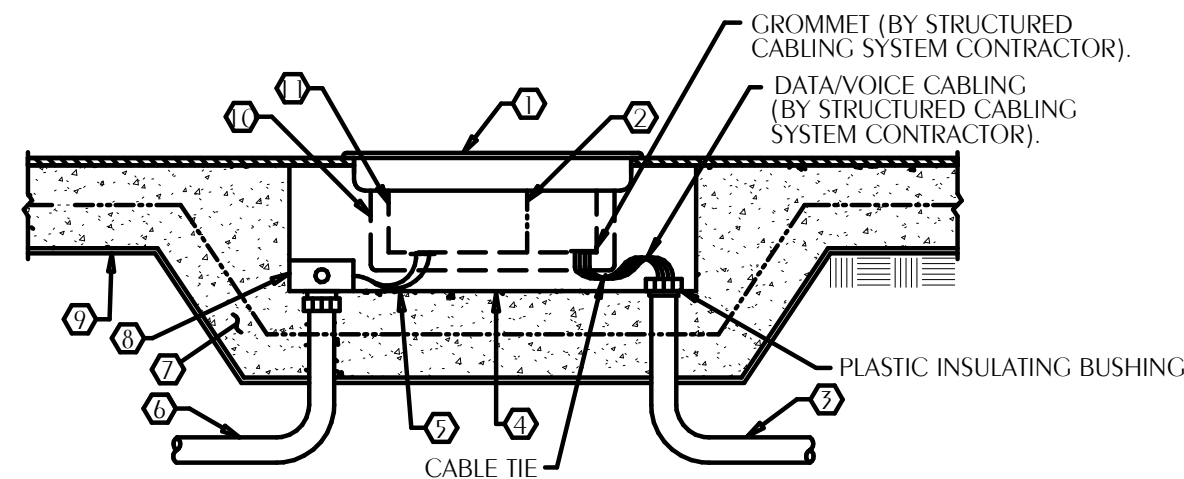
NOTE(S):

1. INTEGRAL GALVANIZED LIPPED STEEL MOUNTING CHANNEL LONGER THAN 915mm (36") SHALL BE INSTALLED WITH A CENTER SUPPORT ROD. SUPPORT RODS SHALL NOT BE GREATER THAN 457mm (18") APART.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
3. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

4 CONDUIT TRAPEZE MOUNTING DETAIL
E-008 SCALE: NONE



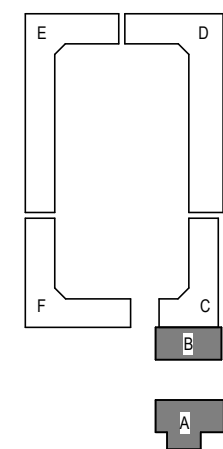
5 CONDUIT MARKER DETAIL
E-008 SCALE: NONE



6 FLOOR BOX INSTALLATION DETAIL
E-008 SCALE: NONE

FLOOR BOX KEYNOTES:

1. FLOOR BOX PER OWNER STANDARDS. REFER TO ARCHITECT FOR DETAILS.
2. POWER/COMMUNICATIONS PARTITION PLATE, BY ELECTRICAL CONTRACTOR.
3. 1.25\" HOMERUN COMMUNICATIONS CONDUIT BY TELECOMM CONTRACTOR, RUN UNDERFLOOR TO SERVING COMMUNICATIONS RACK.
4. FLOOR BOX CONCRETE FORM BOX.
5. ELECTRICAL CONTRACTOR TO ROUTE SPECIFIED THWN (WET LOCATION RATED) WIRE. CIRCUIT TO BE TERMINATED ON TERMINALS OF DEVICE(S).
6. POWER CONDUIT WITH WATERTIGHT FITTINGS, BY ELECTRICAL CONTRACTOR.
7. CONCRETE FLOOR SLAB, MAINTAIN THICKNESS AND CONSTRUCTION AROUND AND UNDER FORM BOX AS REQUIRED BY ARCHITECTURAL/STRUCTURAL DRAWINGS FOR STANDARD FLOOR CONSTRUCTION.
8. GALVANIZED BOX W/BANK COVER, BY ELECTRICAL CONTRACTOR.
9. WATERPROOF MEMBRANE, MAINTAIN CONTINUOUS UNDER FORM BOX AS REQUIRED BY ARCHITECTURAL/STRUCTURAL DRAWINGS FOR STANDARD FLOOR CONSTRUCTION.
10. FLOOR BOX SHROUD, BY ELECTRICAL CONTRACTOR.
11. FLOOR BOX FRAME, BY ELECTRICAL CONTRACTOR.



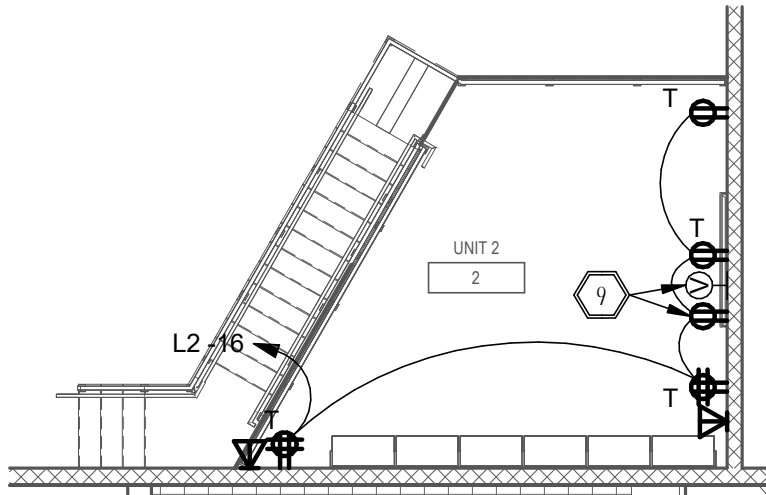
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GENERAL NOTES

1. EC TO FURNISH/INSTALL ALL JUNCTION BOXES AND CONCEALED CONDUIT RUNS REQUIRED FOR COMMUNICATIONS AND SECURITY SYSTEMS AS WELL AS ALL WIRING AND ELECTRICAL CONNECTIONS FOR ANY COMMUNICATIONS AND SECURITY SYSTEMS THAT REQUIRE 120 VOLT POWER. PRIOR TO ROUGH-IN, EC TO COORDINATE WITH OWNER AND GC FOR EXACT LOCATION, HEIGHT, AND SIZES REQUIRED FOR ALL JUNCTION BOXES.
2. ALL EXPOSED CONDUIT SHALL BE ROUTED IN A CLEAN, STRAIGHT, AND UNIFORM MANNER, DROPPING VERTICALLY FROM CEILING TO DEVICE OR EQUIPMENT. CONDUIT RUNS SHALL BE GROUPED AND CONSOLIDATED WHERE POSSIBLE. COORDINATE CONDUIT PAINTING AND COLOR WITH GC/OWNER PRIOR TO INSTALLATION.
3. PRIOR TO ROUGH-IN, EC TO COORDINATE WITH GC/OWNER FOR EXACT LOCATION OF INFILL PANELS ON INTERIOR WALLS. EC TO ENSURE NO CONDUIT OR DEVICES ARE INSTALLED IN THESE LOCATIONS TO ALLOW FOR FUTURE REMOVAL OF INFILL PANELS.

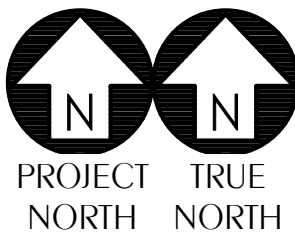
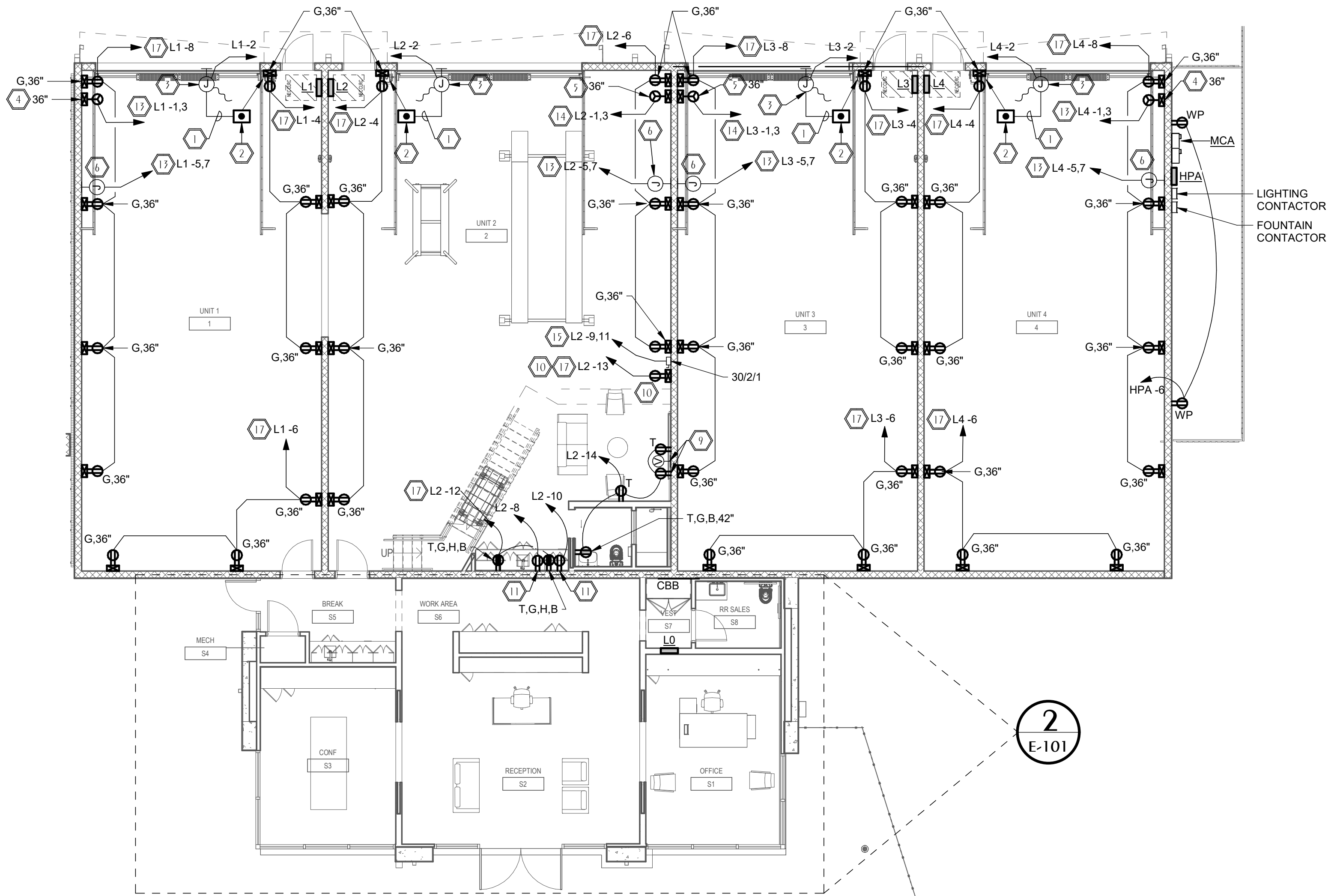
SHEET NOTES

1. MOTORIZED DOOR CONTROL WIRING; PRIOR TO BID, VERIFY WIRE, BREAKER, AND CONDUIT SIZES WITH GC/OWNER.
2. EC SHALL COORDINATE WITH EQUIPMENT SUPPLIER FOR INSTALLATION OF CONTROL SWITCHES FOR ROLL-UP DOORS. SWITCHES TO BE FURNISHED BY EQUIPMENT SUPPLIER. COORDINATE FOR EXACT REQUIREMENTS FOR CONTROL WIRING PRIOR TO ROUGH-IN.
3. EC SHALL FIELD-COORDINATE WITH DOOR OPERATOR INSTALLER FOR EXACT LOCATION OF J-BOX FOR DOOR MOTOR.
4. EC SHALL COORDINATE WITH GC/OWNER FOR EXACT SPECIAL NEMA RECEPTACLE REQUIRED FOR RV. FOR BID PURPOSES ASSUME SPECIAL NEMA RECEPTACLE L14-60R.
5. EC SHALL COORDINATE WITH GC/OWNER FOR EXACT SPECIAL NEMA RECEPTACLE REQUIRED FOR RV. FOR BID PURPOSES ASSUME SPECIAL NEMA RECEPTACLE L14-50R.
6. EC TO FURNISH/INSTALL J-BOX FOR FUTURE ELECTRIC CAR CHARGER OPTION. COORDINATE WITH GC/OWNER FOR EXACT SIZE OF J-BOX AND ADDITIONAL ELECTRICAL REQUIREMENTS. ADDITIONALLY, COORDINATE EXACT MOUNTING HEIGHT/LOCATION OF J-BOX WITH GC/OWNER PRIOR TO ROUGH-IN.
7. EC SHALL INSTALL 3-GANG FLOOR BOX WITH TELE/DATA & ONE (1) QUADRAPLEX RECEPTACLE; FURNISH WITH BRASS COVERPLATE AND ALL ACCESSORIES FOR A COMPLETE INSTALLATION. PRIOR TO ROUGH-IN, VERIFY EXACT LOCATION OF FLOOR BOX WITH GC/OWNER.
8. EC SHALL INSTALL ONE (1) 1" CONDUIT (W/PULLSTRING) FOR TELE/DATA CABLING. CONDUIT TO BE ROUTED TO ADJACENT WALL AND TERMINATED IN ACCESSIBLE LOCATION ABOVE CEILING. COMMUNICATIONS CONTRACTOR TO PROVIDE COVERPLATES, INSERTS, ETC.
9. PRIOR TO ROUGH-IN, EC SHALL FIELD-COORDINATE WITH GC/OWNER FOR EXACT LOCATION/HEIGHT OF DEVICES FOR TV.
10. AT TIME OF DESIGN, AIR COMPRESSOR FOR 4-POST LIFT ELECTRICAL REQUIREMENTS UNKNOWN. COORDINATE WITH GC/OWNER FOR EXACT REQUIREMENTS. ADJUST BREAKER, CONDUCTORS, CONDUIT, DEVICE AS REQUIRED FOR A COMPLETE INSTALLATION.
11. PRIOR TO ROUGH-IN, COORDINATE WITH CASEWORK INSTALLER FOR EXACT LOCATION OF DEVICE FOR UNDERCOUNTER ICE MAKER/REFRIGERATOR.
12. PRIOR TO ROUGH-IN, COORDINATE WITH CASEWORK INSTALLER FOR EXACT LOCATION OF DEVICE FOR UNDERCOUNTER COPIER.
13. EC SHALL INSTALL 2#6, 1#6N, 1#10GND IN 1" CONDUIT.
14. EC SHALL INSTALL 2#8, 1#8N, 1#10GND IN 1" CONDUIT.
15. EC SHALL INSTALL 2#8, 1#10GND IN 3/4" CONDUIT.
16. EC SHALL INSTALL 2#12, 1#12GND IN 1" CONDUIT.
17. EC SHALL INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.
18. CBB TO BE ENCLOSED IN CASEWORK. PRIOR TO ROUGH-IN COORDINATE WITH GC/CASEWORK INSTALLER FOR MOUNTING HEIGHT/LOCATION OF CBB AND DEVICES.



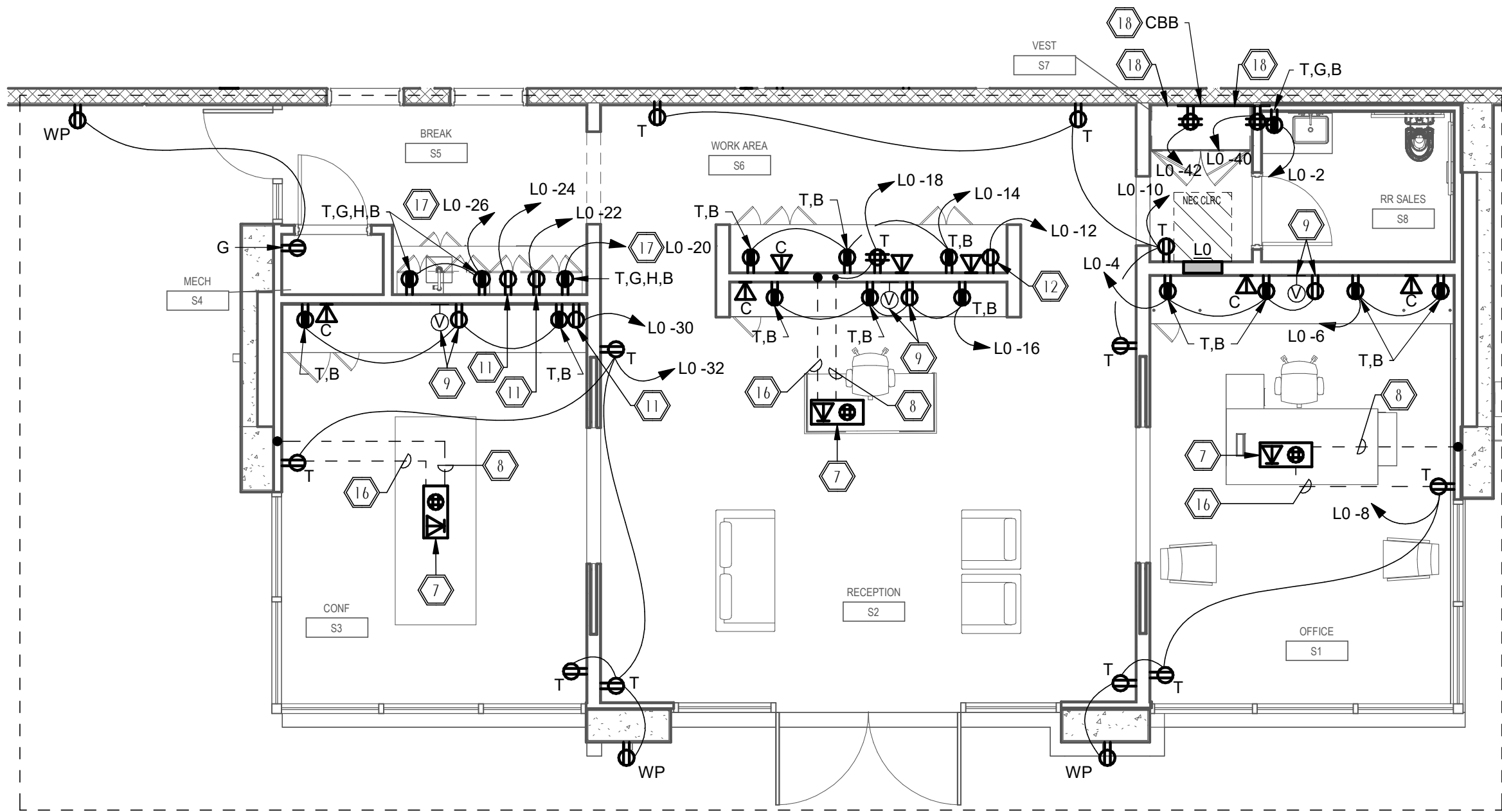
3 ELECTRICAL LEVEL 2 BALCONY POWER PLAN

SCALE: 1/8" = 1'-0"



1 ELECTRICAL LEVEL 1 SALES/BLDG A POWER PLAN

SCALE: 1/8" = 1'-0"



2 ELECTRICAL SALES OFFICE ENLARGED POWER PLAN

SCALE: 3/16" = 1'-0"



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
Project Number: 2025-081
Checked By: ALD
Drawn By: SBH

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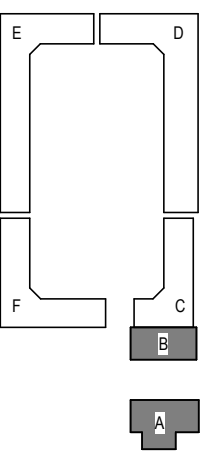
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CLIENT NAME

GARAGES
LUXURY AT
MIRAMAR -
PHASE 1

U.S. Highway 98
Miramar Beach, FL



REVISIONS
NO. DESCRIPTION DATE

Project Number 25038
Dated 10.05.2026

ELECTRICAL
LEVEL 1
SALES/BLDG A
POWER PLAN

E-101

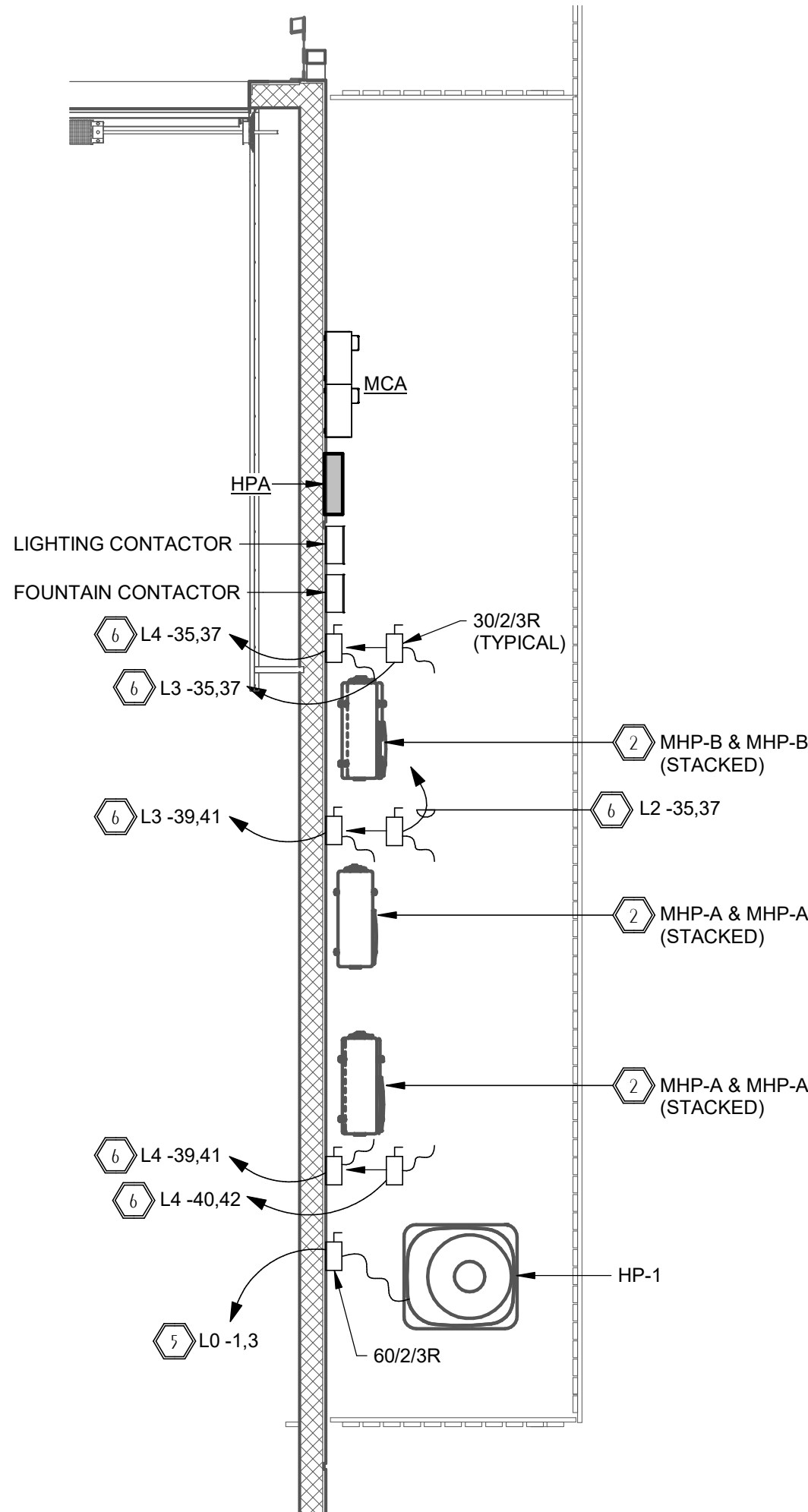
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GENERAL NOTES

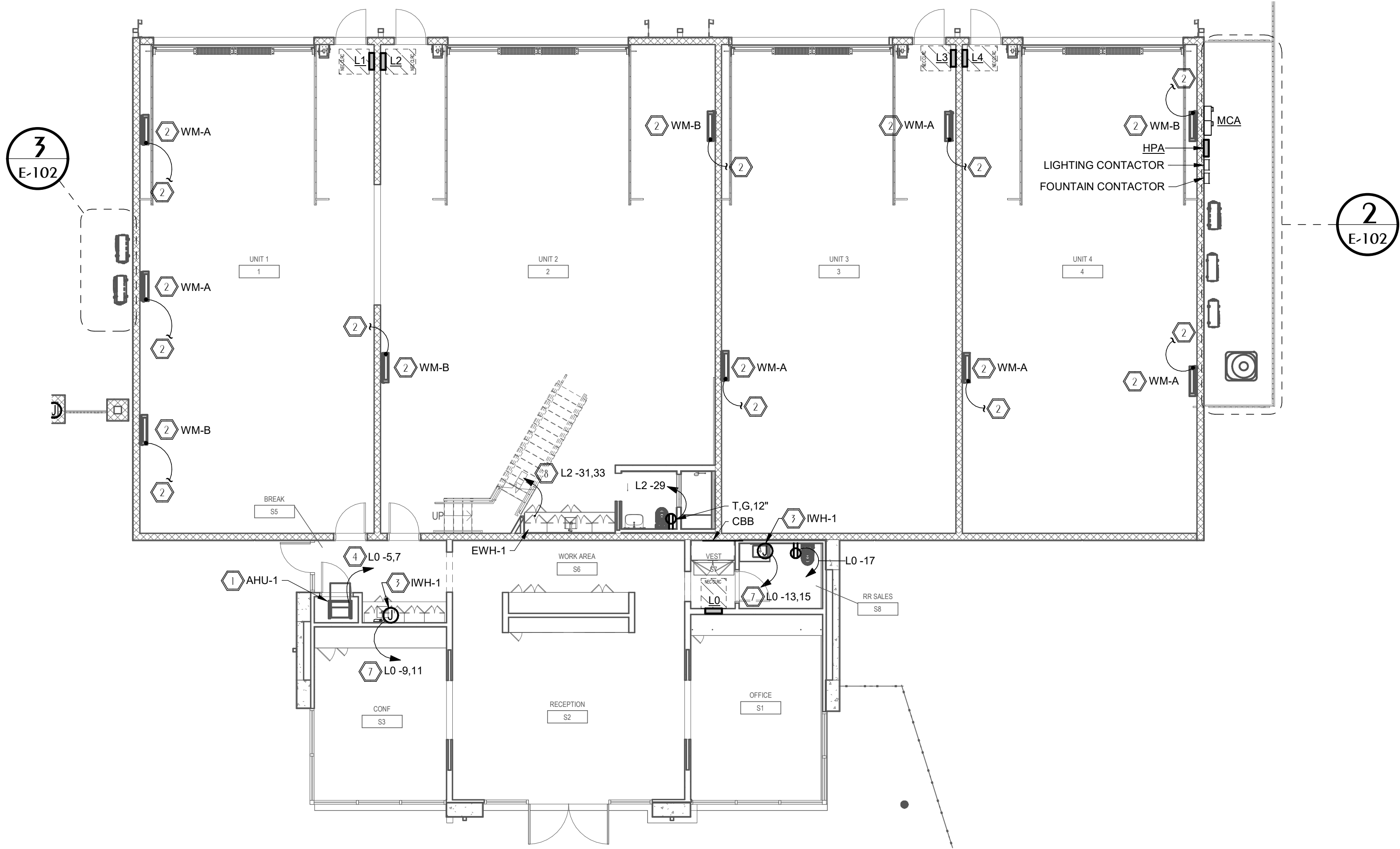
- ALL EXPOSED CONDUIT SHALL BE ROUTED IN A CLEAN, STRAIGHT, AND UNIFORM MANNER, DROPPING VERTICALLY FROM CEILING TO DEVICE OR EQUIPMENT. CONDUIT RUNS SHALL BE GROUPED AND CONSOLIDATED WHERE POSSIBLE. COORDINATE CONDUIT PAINTING AND COLOR WITH GC/OWNER PRIOR TO INSTALLATION.
- PRIOR TO ROUGH-IN, EC TO COORDINATE WITH GC/OWNER FOR EXACT LOCATION OF INFILL PANELS ON INTERIOR WALLS. EC TO ENSURE NO CONDUIT OR DEVICES ARE INSTALLED IN THESE LOCATIONS TO ALLOW FOR FUTURE REMOVAL OF INFILL PANELS.

SHEET NOTES

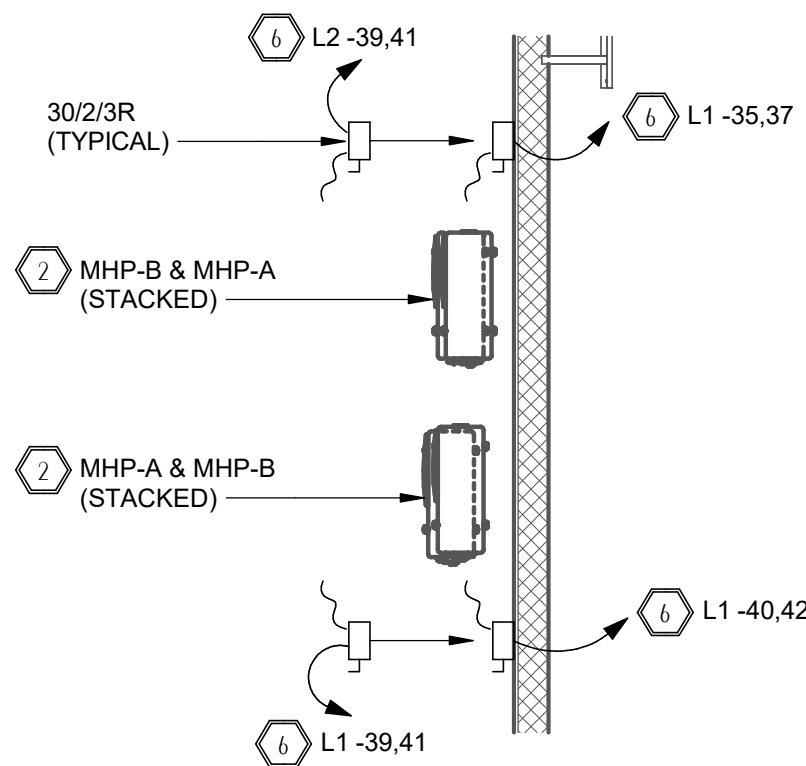
- PER MECHANICAL DESIGN, INDOOR UNIT TO BE PROVIDED WITH INTEGRAL DISCONNECT.
- PER MECHANICAL DESIGN, INDOOR UNIT IS TO BE POWERED VIA OUTDOOR UNIT. CONNECT TO ASSOCIATED UNIT. CIRCUIT SHALL BE 2#12, 1#12GND IN 1" CONDUIT.
- PRIOR TO ROUGH-IN, EC SHALL FIELD-COORDINATE EXACT MOUNTING LOCATION/HEIGHT OF FLUSH-MOUNTED J-BOX WITH GC/PLUMBING CONTRACTOR.
- EC SHALL INSTALL 2#4, 1#8GND IN 1" CONDUIT.
- EC SHALL INSTALL 2#6, 1#10GND IN 1" CONDUIT.
- EC SHALL INSTALL 2#10, 1#10GND IN 1" CONDUIT.
- EC SHALL INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.
- EC SHALL INSTALL 2#8, 1#10GND IN 3/4" CONDUIT.



2 ENLARGED BLDG A EAST MECH. YARD POWER PLAN
E-102 SCALE: 1/4" = 1'-0"



1 ELECTRICAL LEVEL 1 SALES/BLDG A MECHANICAL POWER PLAN
E-102 SCALE: 1/8" = 1'-0"



3 ENLARGED BLDG A WEST MECH. YARD POWER PLAN
E-102 SCALE: 1/4" = 1'-0"

**WATFORD
ENGINEERING**

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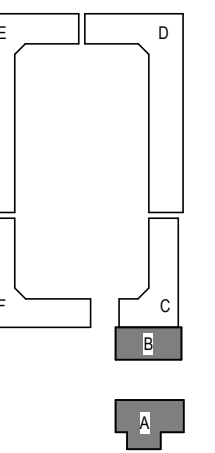
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LUXURY AT
MIRAMAR -
PHASE 1**

U.S. Highway 98
Miramar Beach, FL



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NO. DESCRIPTION DATE

Project Number **25038**
Dated 10.05.2026

**ELECTRICAL
LEVEL 1
SALES/BLDG A
MECHANICAL
POWER PLAN**

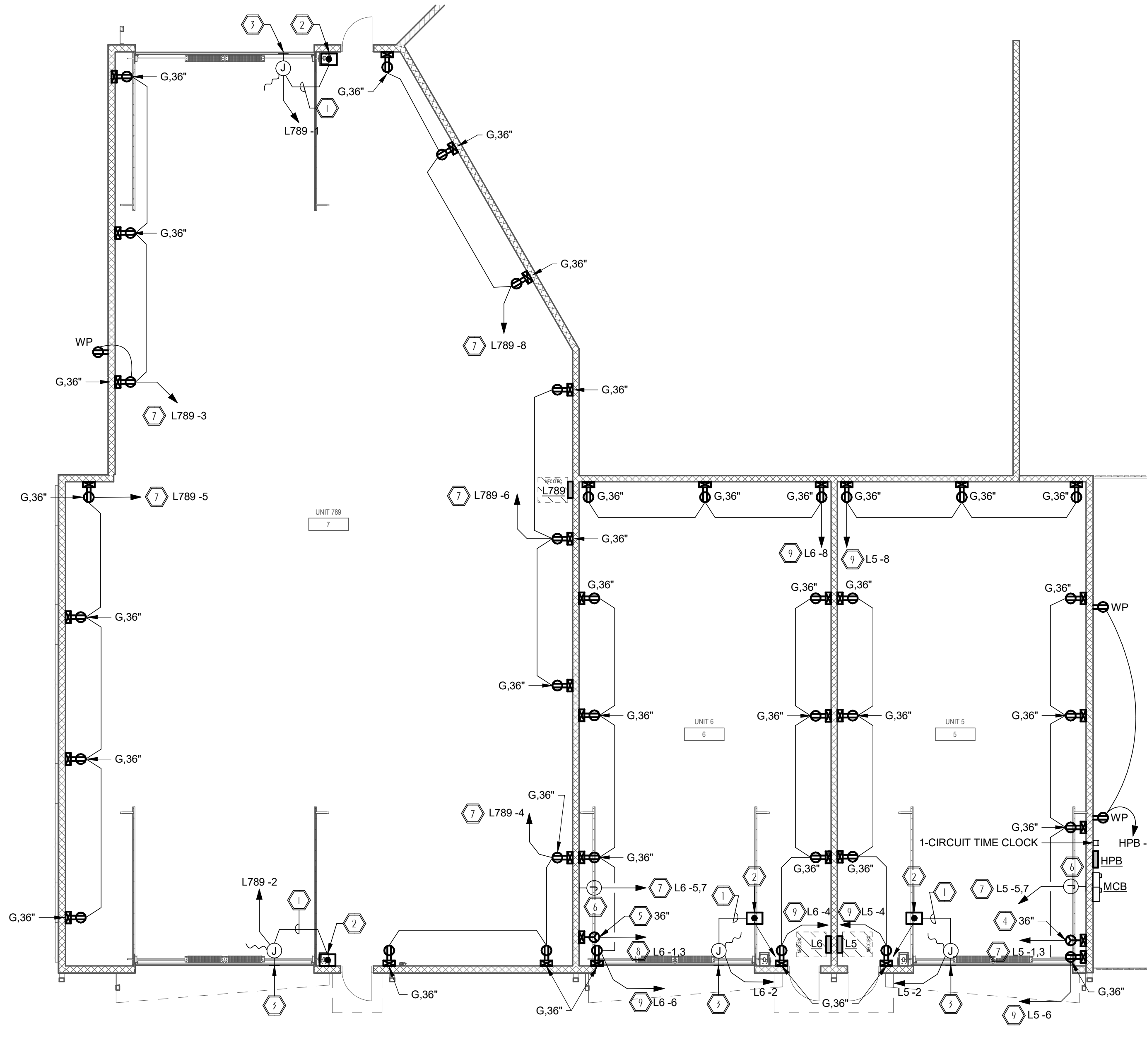
E-102

GENERAL NOTES

1. EC TO FURNISH/INSTALL ALL JUNCTION BOXES AND CONCEALED CONDUIT RUNS REQUIRED FOR COMMUNICATIONS AND SECURITY SYSTEMS AS WELL AS ALL WIRING AND ELECTRICAL CONNECTIONS FOR ANY COMMUNICATIONS AND SECURITY SYSTEMS THAT REQUIRE 120 VOLT POWER. PRIOR TO ROUGH-IN, EC TO COORDINATE WITH OWNER AND GC FOR EXACT LOCATION, HEIGHT, AND SIZES REQUIRED FOR ALL JUNCTION BOXES.
2. ALL EXPOSED CONDUIT SHALL BE ROUTED IN A CLEAN, STRAIGHT, AND UNIFORM MANNER, DROPPING VERTICALLY FROM CEILING TO DEVICE OR EQUIPMENT. CONDUIT RUNS SHALL BE GROUPED AND CONSOLIDATED WHERE POSSIBLE. COORDINATE CONDUIT PAINTING AND COLOR WITH GC/OWNER PRIOR TO INSTALLATION.
3. PRIOR TO ROUGH-IN, EC TO COORDINATE WITH GC/OWNER FOR EXACT LOCATION OF INFILL PANELS ON INTERIOR WALLS. EC TO ENSURE NO CONDUIT OR DEVICES ARE INSTALLED IN THESE LOCATIONS TO ALLOW FOR FUTURE REMOVAL OF INFILL PANELS.

SHEET NOTES

1. MOTORIZED DOOR CONTROL WIRING; PRIOR TO BID, VERIFY WIRE, BREAKER, AND CONDUIT SIZES WITH GC/OWNER.
2. EC SHALL COORDINATE WITH EQUIPMENT SUPPLIER FOR INSTALLATION OF CONTROL SWITCHES FOR ROLL-UP DOORS. SWITCHES TO BE FURNISHED BY EQUIPMENT SUPPLIER. COORDINATE FOR EXACT REQUIREMENTS FOR CONTROL WIRING PRIOR TO ROUGH-IN.
3. EC SHALL FIELD-COORDINATE WITH DOOR OPERATOR INSTALLER FOR EXACT LOCATION OF J-BOX FOR DOOR MOTOR.
4. EC SHALL COORDINATE WITH GC/OWNER FOR EXACT SPECIAL NEMA RECEPTACLE REQUIRED FOR RV. FOR BID PURPOSES ASSUME SPECIAL NEMA RECEPTACLE L14-60R.
5. EC SHALL COORDINATE WITH GC/OWNER FOR EXACT SPECIAL NEMA RECEPTACLE REQUIRED FOR RV. FOR BID PURPOSES ASSUME SPECIAL NEMA RECEPTACLE L14-50R.
6. EC TO FURNISH/INSTALL J-BOX FOR FUTURE ELECTRIC CAR CHARGER OPTION. COORDINATE WITH GC/OWNER FOR EXACT SIZE OF J-BOX AND ADDITIONAL ELECTRICAL REQUIREMENTS. ADDITIONALLY, COORDINATE EXACT MOUNTING HEIGHT/LOCATION OF J-BOX WITH GC/OWNER PRIOR TO ROUGH-IN.
7. EC SHALL INSTALL 2#6, 1#6N, 1#10GND IN 1" CONDUIT.
8. EC SHALL INSTALL 2#8, 1#8N, 1#10GND IN 1" CONDUIT.
9. EC SHALL INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.



   **ELECTRICAL BLDG B POWER PLAN**
PROJECT NORTH TRUE NORTH SCALE: 1/8" = 1'-0"


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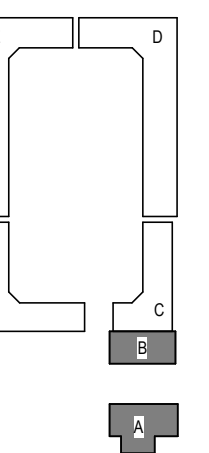
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Dated	10.05.2026

ELECTRICAL BLDG B POWER PLAN

E-111

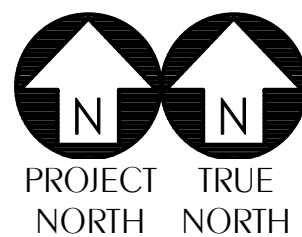
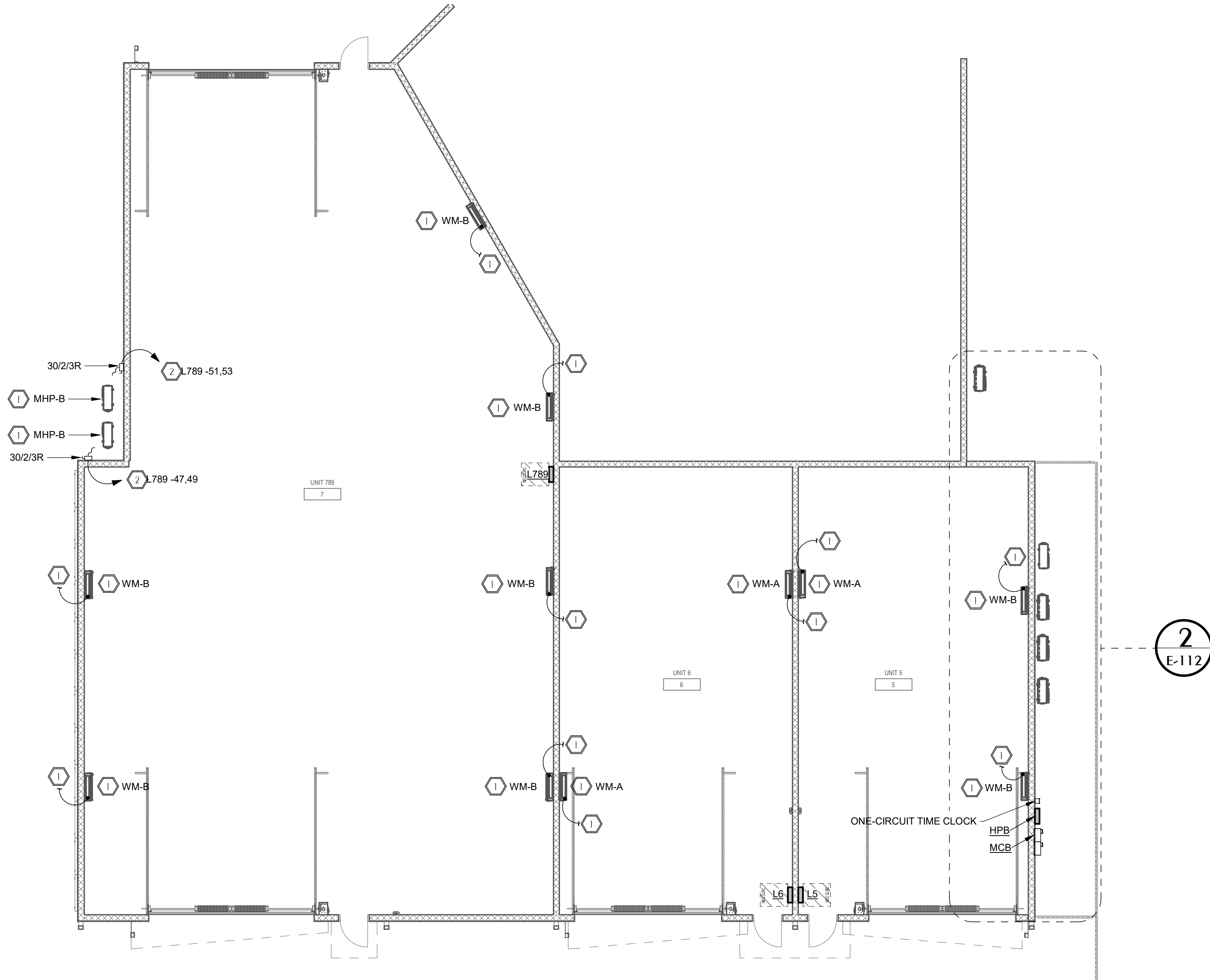
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GENERAL NOTES

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- PRIOR TO ROUGH-IN, EC TO COORDINATE WITH GC/OWNER FOR EXACT LOCATION OF INFILL PANELS ON INTERIOR WALLS. EC TO ENSURE NO CONDUIT OR DEVICES ARE INSTALLED IN THESE LOCATIONS TO ALLOW FOR FUTURE REMOVAL OF INFILL PANELS.

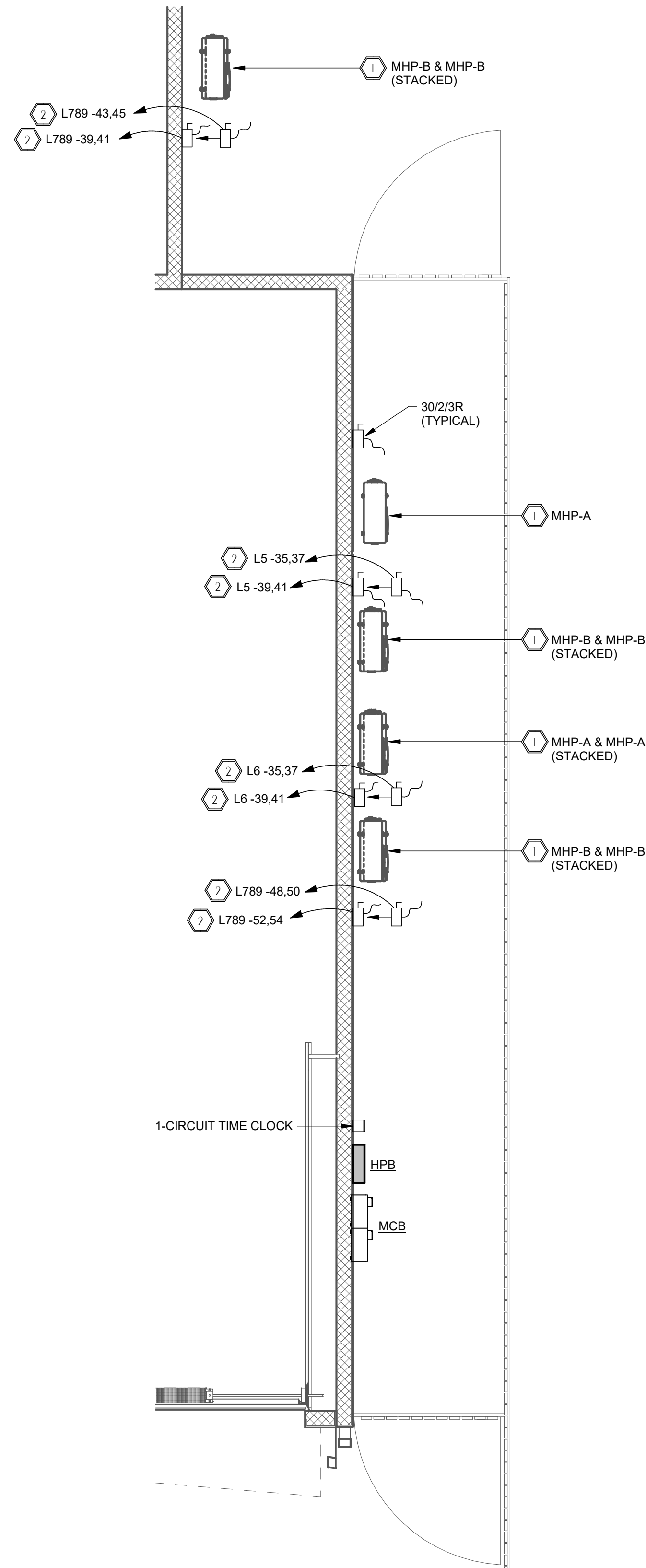
SHEET NOTES

- PER MECHANICAL DESIGN, INDOOR UNIT IS TO BE POWERED VIA OUTDOOR UNIT. CONNECT TO ASSOCIATED UNIT. CIRCUIT SHALL BE 2#12, 1#12GND IN 3/4" CONDUIT.
- EC SHALL INSTALL 2#10, 1#10GND IN 1" CONDUIT.



1 ELECTRICAL BLDG B MECHANICAL POWER PLAN

E-112 SCALE: 1/8" = 1'-0"



2 ENLARGED BLDG B MECH. YARD POWER PLAN

E-112 SCALE: 1/4" = 1'-0"



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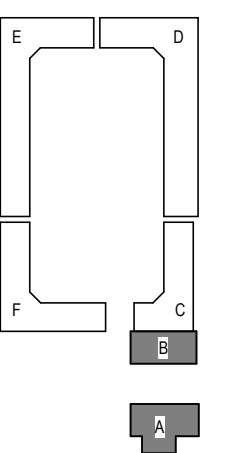
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**GARAGES
LUXURY AT
MIRAMAR -
PHASE 1**

U.S. Highway 98
Miramar Beach, FL



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NO. DESCRIPTION DATE

Project Number 25038
Dated 10.05.2026

ELECTRICAL
BLDG B
MECHANICAL
POWER PLAN

E-112

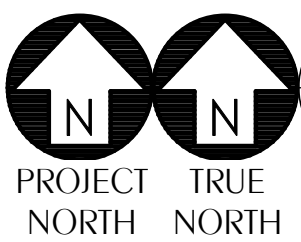
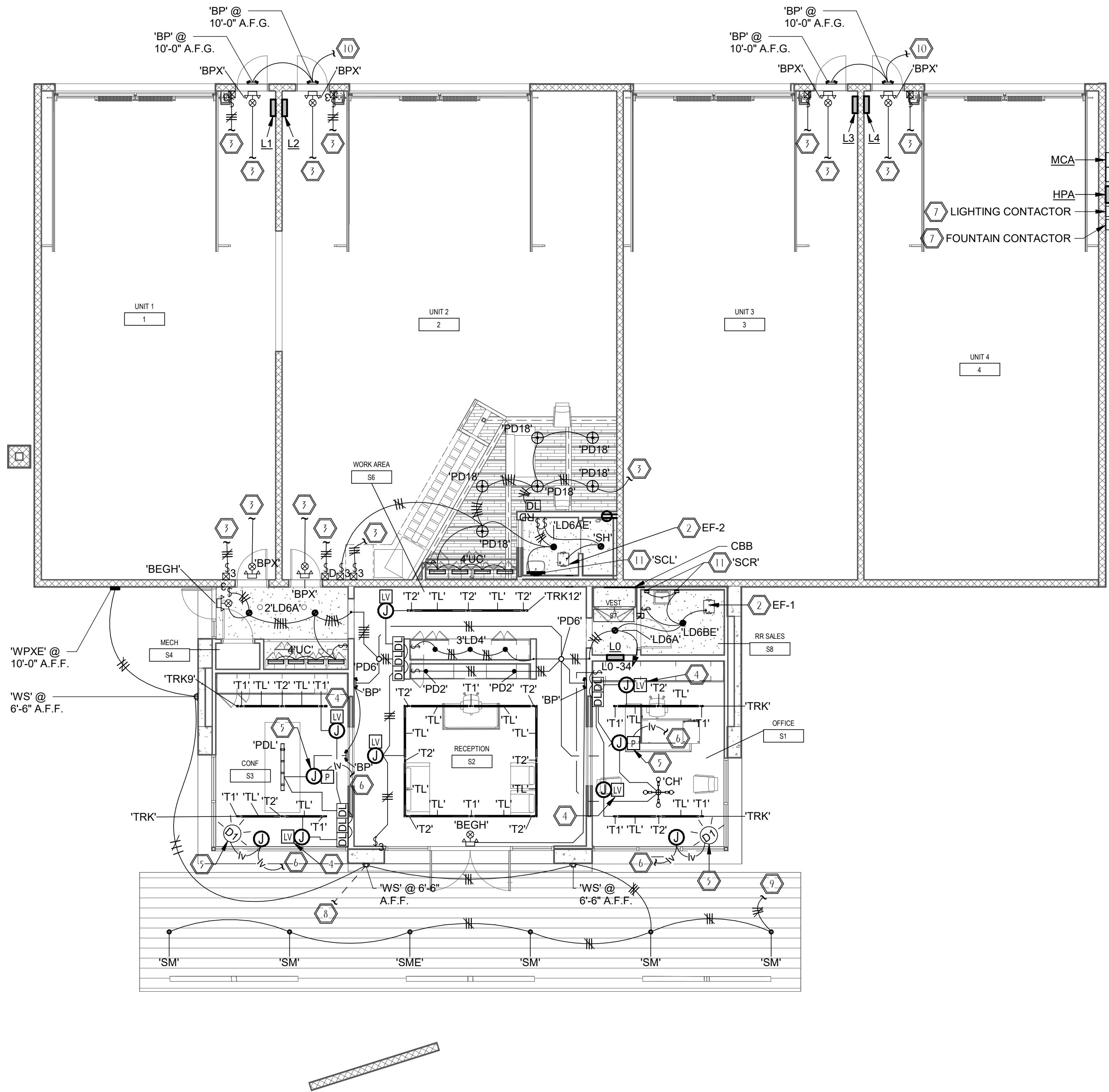
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GENERAL NOTES

- PRIOR TO ROUGH-IN, EC TO FIELD COORDINATE WITH GC THE ROUTING OF RACEWAYS TO REDUCE VISIBILITY FROM BELOW. CONCEAL ABOVE AND/OR STRUCTURE WHERE POSSIBLE TO REDUCE VISIBILITY AND IMPROVE AESTHETIC APPEAL. CIRCUITRY SHOWN IS DIAGRAMMATIC, EC MAY RE-ROUTE CIRCUITS AS REQUIRED.
- ALL EXPOSED CONDUIT SHALL BE ROUTED IN A CLEAN, STRAIGHT, AND UNIFORM MANNER, DROPPING VERTICALLY FROM CEILING TO DEVICE OR EQUIPMENT. CONDUIT RUNS SHALL BE GROUPED AND CONSOLIDATED WHERE POSSIBLE. COORDINATE CONDUIT PAINTING AND COLOR WITH GC/OWNER PRIOR TO INSTALLATION.
- EC SHALL COORDINATE WITH GC/ARCHITECT FOR EXACT LOCATION OF ALL POWER PACKS, LOW VOLTAGE TRANSFORMERS, ASSOCIATED JUNCTION BOXES, AND ASSOCIATED CIRCUITRY. LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. EC TO FIELD-COORDINATE FINAL INSTALLATION LOCATIONS TO CONCEAL ABOVE AND/OR BELOW STRUCTURE, ABOVE CASEWORK OR OTHER APPROVED AREAS WHERE POSSIBLE, WHILE MAINTAINING ACCESSIBILITY FOR MAINTENANCE PURPOSES.
- FOR ALL 0-10V DIMMERS SHOWN ('DL' & 'SD'), REFER TO 'ELECTRICAL LEGEND FOR REQUIRED 0-10V TWO-WIRE CIRCUIT FOR DIMMING.

SHEET NOTES

1. FIXTURE SHALL BE WIRED FOR 24-HOUR CONTINUOUS OPERATION.
2. PER MECHANICAL DESIGN, EXHAUST FAN TO BE PROVIDED WITH INTEGRAL DISCONNECT. COORDINATE WITH MECHANICAL CONTRACTOR FOR INTERLOCKING EXHAUST FAN WITH LIGHTING FIXTURE(S) SERVING AREA.
3. EC SHALL REFER TO 'ELECTRICAL LEVEL 2/BLDG A LIGHTING PLAN', SHEET 'E-202', FOR CONTINUATION OF CIRCUIT.
4. EC SHALL INSTALL 120V-48VDC LOW-VOLTAGE TRANSFORMER IN AN CONCEALED AND ACCESSIBLE LOCATION FOR TRACK LIGHTING. EC TO ENSURE LOW-VOLTAGE TRANSFORMER IS SIZED ACCORDINGLY FOR LIGHTING FIXTURE LOAD (IF TRACK SHOWN ON PLANS IS ORDER EC IS TO FURNISH/INSTALL A VEROZZA #MOD-DRV-300 LOW-VOLTAGE TRANSFORMER) AND COMPATIBLE TO THE PROPOSED DIMMING SCHEME SHOWN ON DRAWINGS.
5. EC SHALL FURNISH/INSTALL POWER PACK FOR LIGHTING CONTROLS IN ACCESSIBLE LOCATION FOR MAINTENANCE PURPOSES AND CONCEALED AS MUCH AS ALLOWED TO IMPROVE AESTHETIC APPEAL. ADDITIONALLY, EC SHALL FURNISH/INSTALL CORNER MOUNTED OCCUPANCY SENSOR AT 10'-0" A.F.F. REFER TO 'OCCUPANCY SENSOR 'D1' DETAIL', ON SHEET 'E-002' FOR MORE INFORMATION.
6. EC SHALL ROUTE LOW-VOLTAGE CONTROL WIRING FROM POWER PACK TO 'D1' OCCUPANCY SENSOR.
7. EC SHALL REFER TO 'CONTACTORS DETAIL', ON SHEET 'E-301', FOR MORE INFORMATION.
8. EC SHALL REFER TO 'ELECTRICAL SITE PLAN', SHEET 'E-301', FOR CONTINUATION OF EXTERIOR LIGHTING CIRCUIT TO BOLLARD 'BL' LIGHTING FIXTURES. INSTALL A MINIMUM OF #10CU.
9. EC SHALL REFER TO 'ELECTRICAL LEVEL 2 SALES/BLDG A LIGHTING PLAN', SHEET 'E-202', FOR CONTINUATION OF EXTERIOR LIGHTING CIRCUIT. WHERE 3-WIRE SHOWN, INSTALL AN ADDITIONAL 120V HOTLEG FOR CONTINUAL CHARGING OF BACKUP EMERGENCY BATTERY FOR EGRESS LIGHTING COMPLIANCE.
10. EC SHALL REFER TO 'ELECTRICAL LEVEL 2 SALES/BLDG A LIGHTING PLAN', SHEET 'E-202', FOR CONTINUATION OF EXTERIOR LIGHTING CIRCUIT. INSTALL 120V NON-SWITCHED HOTLEG ONLY FOR CONTINUAL CHARGING OF BACKUP EMERGENCY BATTERY FOR EGRESS LIGHTING COMPLIANCE.
11. PRIOR TO ROUGH-IN, COORDINATE WITH GC/ARCHITECT FOR EXACT MOUNTING HEIGHT/LOCATION OF VANITY LIGHTING FIXTURE(S) ('SCR' & 'SCL').



1 ELECTRICAL LEVEL 1 SALES/BLDG A LIGHTING PLAN

E-201 SCALE: 1/8" = 1'-0"



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
Project Number: 2025-081
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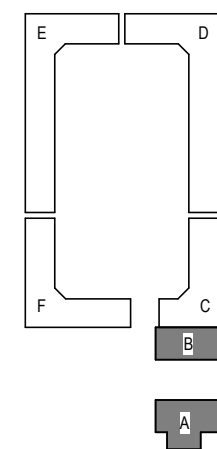
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LUXURY AT
MIRAMAR -
PHASE 1**

U.S. Highway 98
Miramar Beach, FL



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Dated 10.05.2026

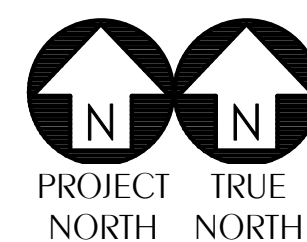
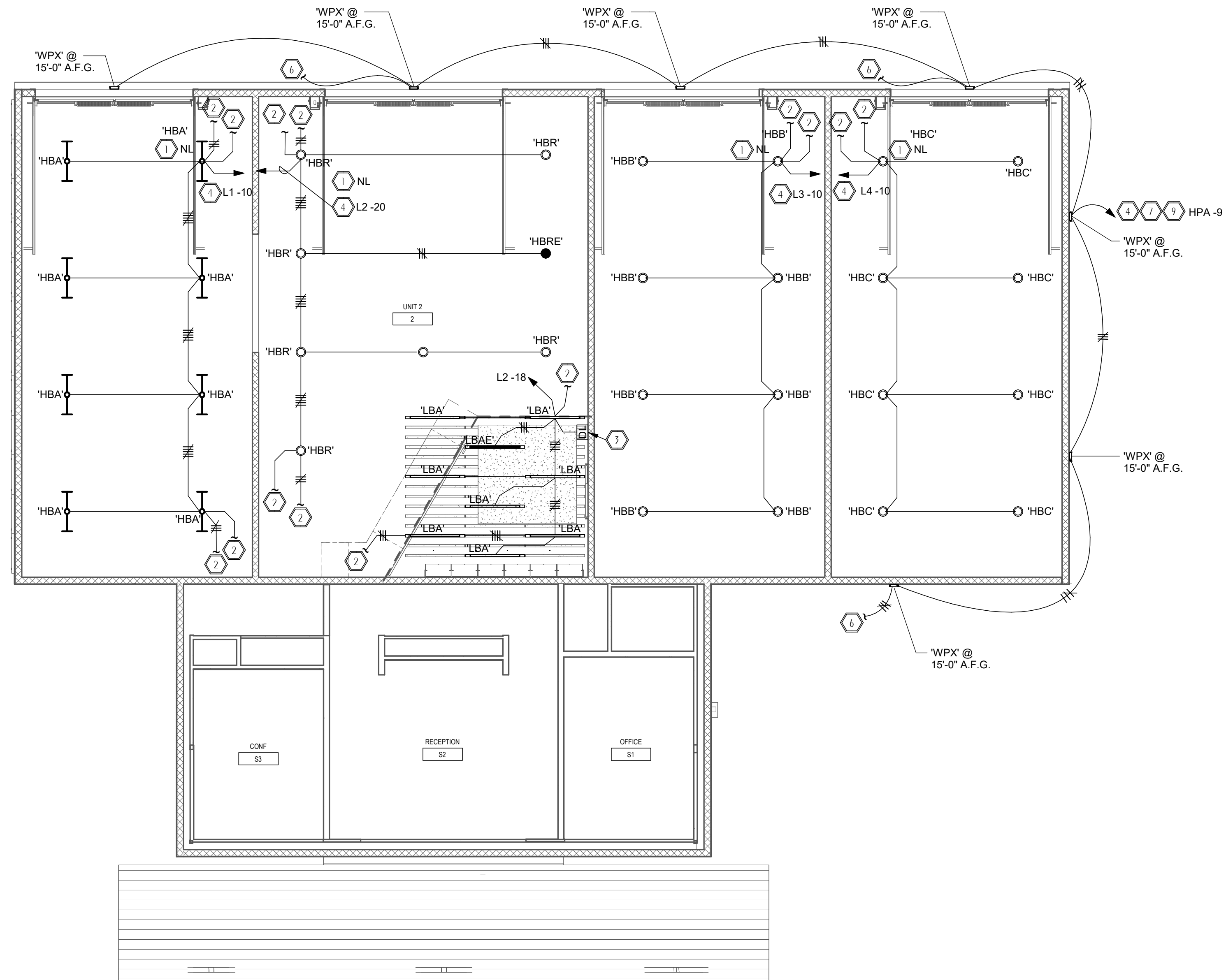
ELECTRICAL
LEVEL 1
SALES/BLDG A
LIGHTING PLAN

E-201

GENERAL NOTES

- | |
|--------------------|
| SHEET NOTES |
|--------------------|

1. FIXTURE SHALL BE WIRED FOR 24-HOUR CONTINUOUS OPERATION.
2. EC SHALL REFER TO 'ELECTRICAL LEVEL 1/BLDG A LIGHTING PLAN', SHEET 'E-201', FOR CONTINUATION OF CIRCUIT.
3. EC SHALL REFER TO 'ELECTRICAL LEGEND' FOR REQUIRED 0-10V TWO-WIRE CIRCUIT FOR DIMMING.
4. EC SHALL REFER TO 'ELECTRICAL LEVEL 1/BLDG A LIGHTING PLAN', SHEET 'E-201', FOR PANEL LOCATION.
5. EC SHALL REFER TO 'ELECTRICAL LEVEL 1 SALES/BLDG A LIGHTING PLAN', SHEET 'E-201', FOR CONTINUATION OF EXTERIOR LIGHTING CIRCUIT. WHERE 3-WIRE SHOWN, INSTALL AN ADDITIONAL 120V HOTLEG FOR CONTINUAL CHARGING OF BACKUP EMERGENCY BATTERY FOR EGRESS LIGHTING COMPLIANCE.
6. EC SHALL REFER TO 'ELECTRICAL LEVEL 1 SALES/BLDG A LIGHTING PLAN', SHEET 'E-201', FOR CONTINUATION OF EXTERIOR LIGHTING CIRCUIT. INSTALL 120V NON-SWITCHED HOTLEG ONLY FOR CONTINUAL CHARGING OF BACKUP EMERGENCY BATTERY FOR EGRESS LIGHTING COMPLIANCE.
7. TO REDUCE VOLTAGE DROP, ENTIRE CIRCUIT TO BE A MINIMUM OF #10CU. WHERE 3-WIRE SHOWN, INSTALL AN ADDITIONAL 120V HOTLEG FOR CONTINUAL CHARGING OF BACKUP EMERGENCY BATTERY FOR EGRESS LIGHTING COMPLIANCE.
9. ROUTE CIRCUIT VIA LIGHTING CONTACTOR ADJACENT TO PANEL 'HPA'



1 ELECTRICAL LEVEL 2 SALES/BLDG A LIGHTING PLAN

E-202 SCALE: 1/8" = 1'-0'



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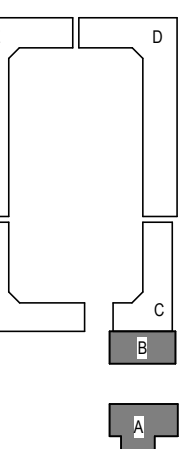
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GARAGES LUXURY AT MIRAMAR - PHASE 1

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Miramar Beach, FL



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Dated	10.05.2026

ELECTRICAL
LEVEL 2
SALES/BLDG A
LIGHTING PLAN

E-202

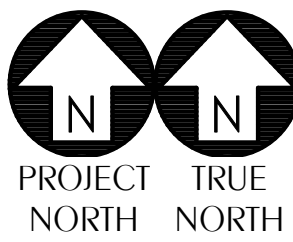
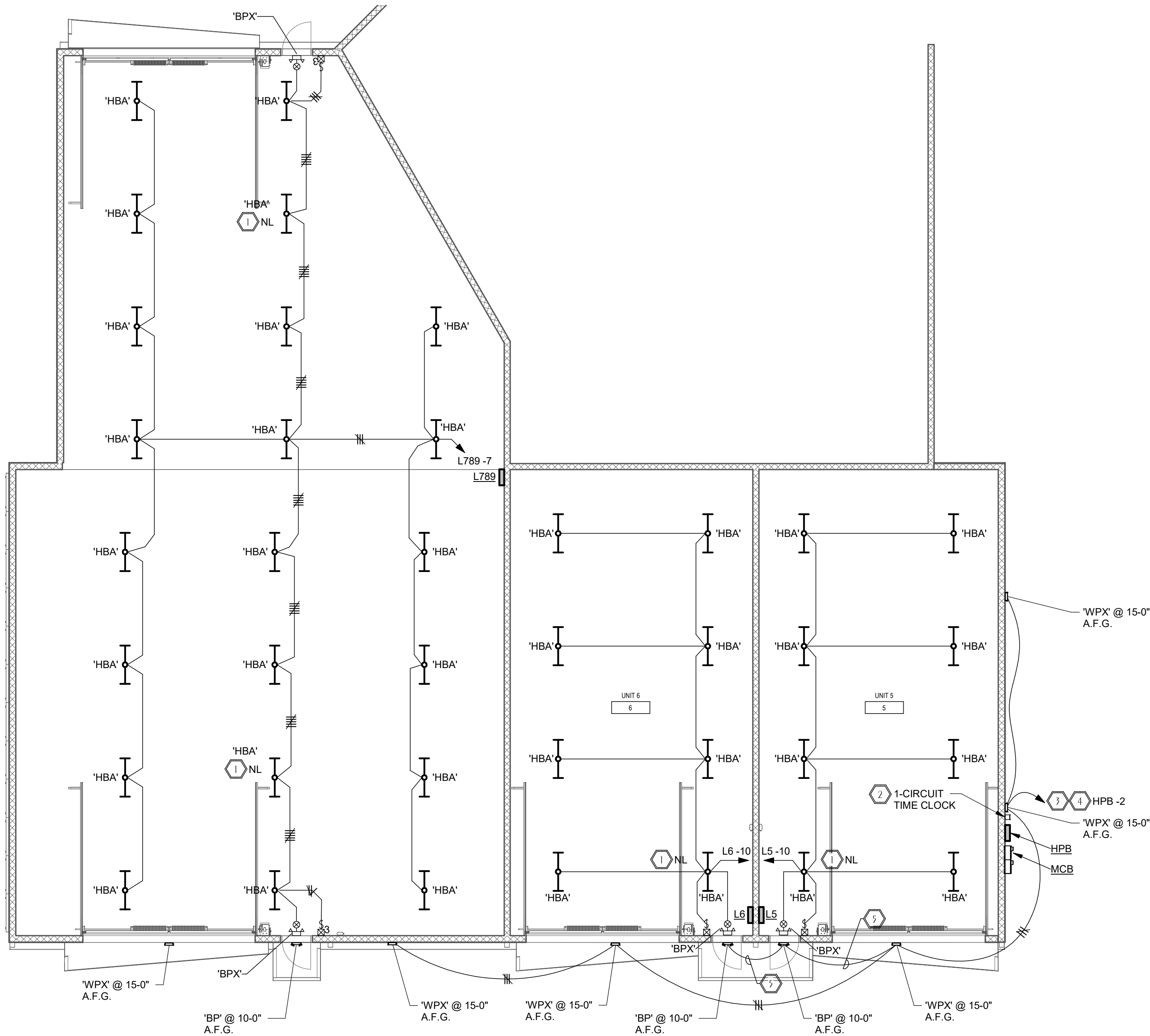
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GENERAL NOTES

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- ALL EXPOSED CONDUIT SHALL BE ROUTED IN A CLEAN, STRAIGHT, AND UNIFORM MANNER, DROPPING VERTICALLY FROM CEILING TO DEVICE OR EQUIPMENT. CONDUIT RUNS SHALL BE GROUPED AND CONSOLIDATED WHERE POSSIBLE. COORDINATE CONDUIT PAINTING AND COLOR WITH GC/OWNER PRIOR TO INSTALLATION.

SHEET NOTES

1. FIXTURE SHALL BE WIRED FOR 24-HOUR CONTINUOUS OPERATION.
2. EC SHALL FURNISH/INSTALL INTERMATIC #ET2815CP (OR EQUAL) ASTRONOMICAL TIME SWITCH.
3. TO REDUCE VOLTAGE DROP, ENTIRE CIRCUIT TO BE A MINIMUM OF #10CU. WHERE 3-WIRE SHOWN, INSTALL AN ADDITIONAL 120V HOTLEG FOR CONTINUAL CHARGING OF BACKUP EMERGENCY BATTERY FOR EGRESS LIGHTING COMPLIANCE.
4. ROUTE CIRCUIT VIA LIGHTING CONTACTOR ADJACENT TO PANEL 'HPB'.
5. INSTALL 120V HOTLEG ONLY FOR CONTINUAL CHARGING OF BACKUP EMERGENCY BATTERY FOR EGRESS LIGHTING COMPLIANCE.



2

ELECTRICAL BLDG B LIGHTING PLAN

SCALE: 1/8" = 1'-0"



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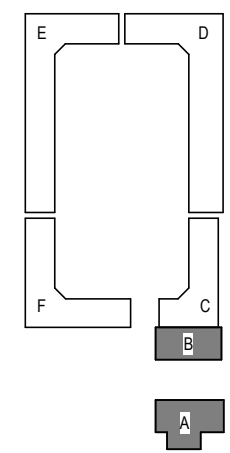
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PHASE 1**

U.S. Highway 98
Miramar Beach, FL



REVISIONS

NO. DESCRIPTION DATE

Project Number 25038

Dated 10.05.2026

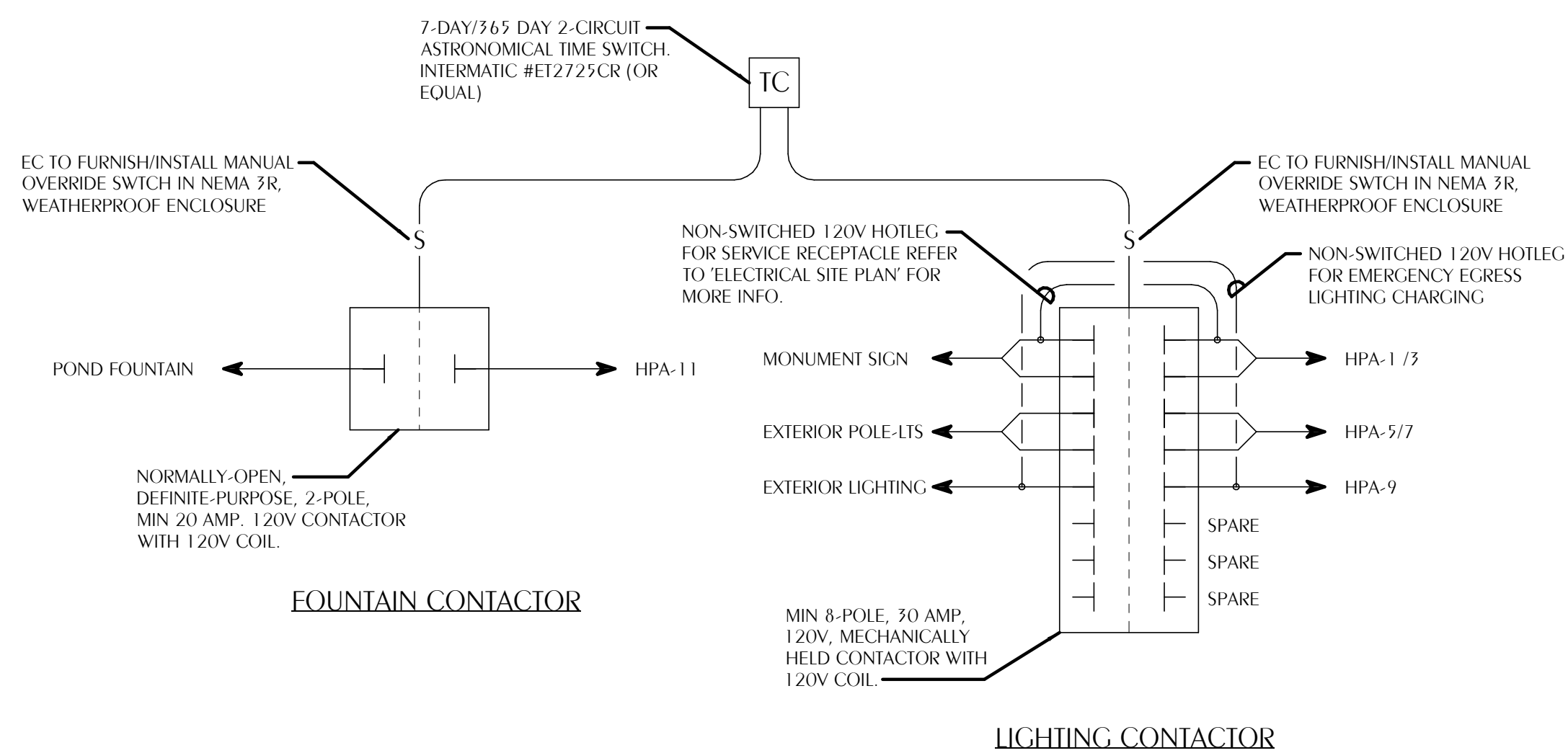
**ELECTRICAL
BLDG B LIGHTING
PLAN**

E-211

SHEET NOTES

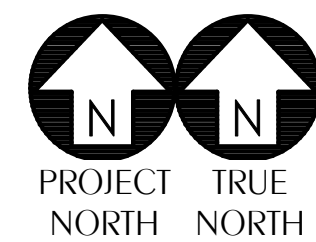
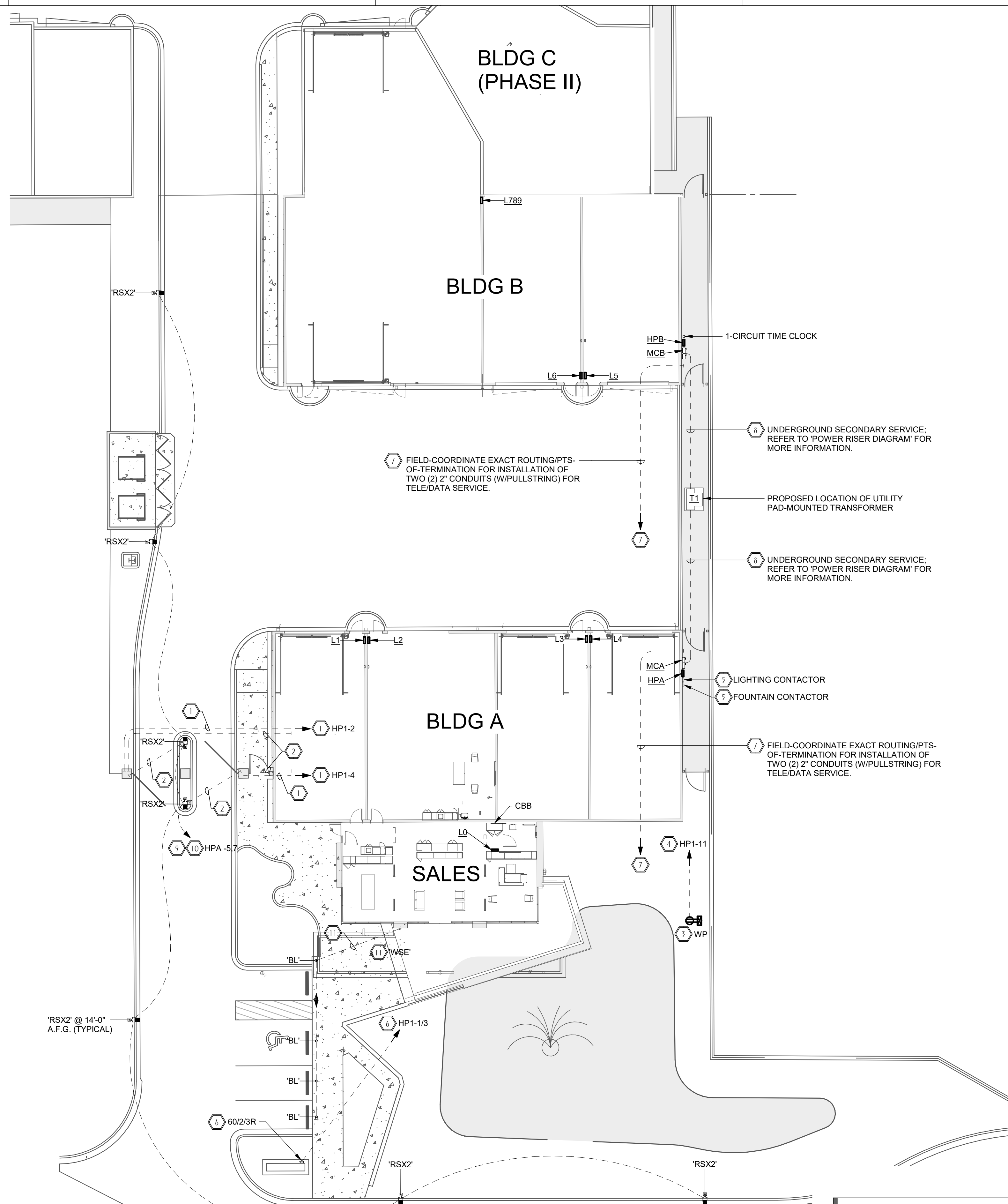
- | | |
|----|--|
| 7 | PRIOR TO CONSTRUCTION, EC SHALL VERIFY NUMBER AND SIZE CONDUITS REQUIRED FOR TELEPHONE/DATA SERVICE WITH ASSOCIATED UTILITY. FOR BID PURPOSES, ASSUME TWO (2) 2" CONDUITS (W/PULLSTRING) TO RIGHT-OF-WAY. IN ADDITION, VERIFY ALL POINTS-OF-TERMINATION. |
| 8 | PRIOR TO CONSTRUCTION, EC TO FIELD-COORDINATE WITH CC/UTILITY REPRESENTATIVE FOR UNDERGROUND ELECTRICAL SERVICE. |
| 9 | ROUTE CIRCUIT VIA LIGHTING CONTACTOR ADJACENT TO PANEL 'HPA'. REFER TO 'CONTACTORS DETAIL', THIS SHEET, FOR ADDITIONAL INFORMATION. |
| 10 | ENTIRE CIRCUIT TO BE A MINIMUM OF #10CU. |
| 11 | REFER TO 'ELECTRICAL LEVEL 1 SALES/BLDG A LIGHTING PLAN', SHEET 'E-201', FOR CONTINUATION OF CIRCUIT OF EXTERIOR LIGHTING. ENTIRE CIRCUIT TO BE A MINIMUM OF #10CU. |

NOTE: TIME CLOCK SHALL BE CAPABLE OF TWO (2) INDEPENDENT OUTPUTS TO ALLOW FOUNTAIN AND EXTERIOR LIGHTING TO OPERATE ON SEPARATE SCHEDULES.



2 CONTACTORS DETAIL

E-301 SCALE: NONE



1 ELECTRICAL SITE PLAN

E-301 SCALE: 1/16" = 1'-0"



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Drawn By: SBH

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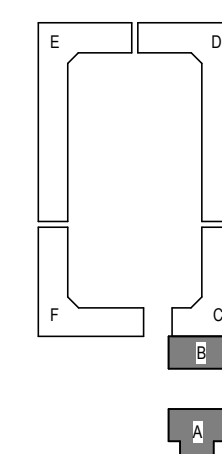
Digital Signature

FOR PERMIT

CLIENT NAME

**GARAGES
LUXURY AT
MIRAMAR -
PHASE 1**

U.S. Highway 98
Miramar Beach, FL



REVISIONS		
NO.	DESCRIPTION	DATE

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ELECTRICAL SITE PLAN

E-301