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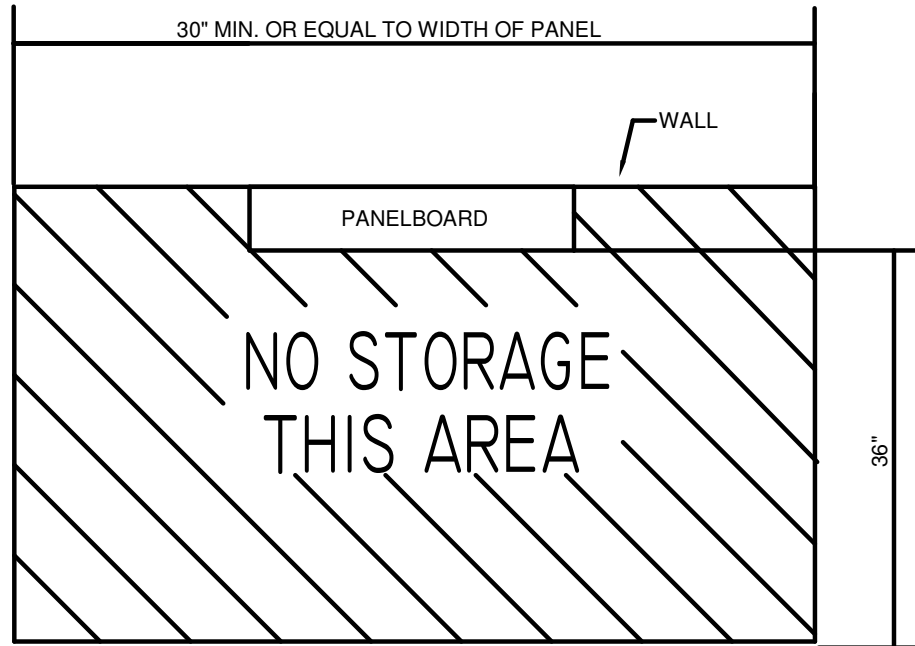
ELECTRICAL GENERAL NOTES

- 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:

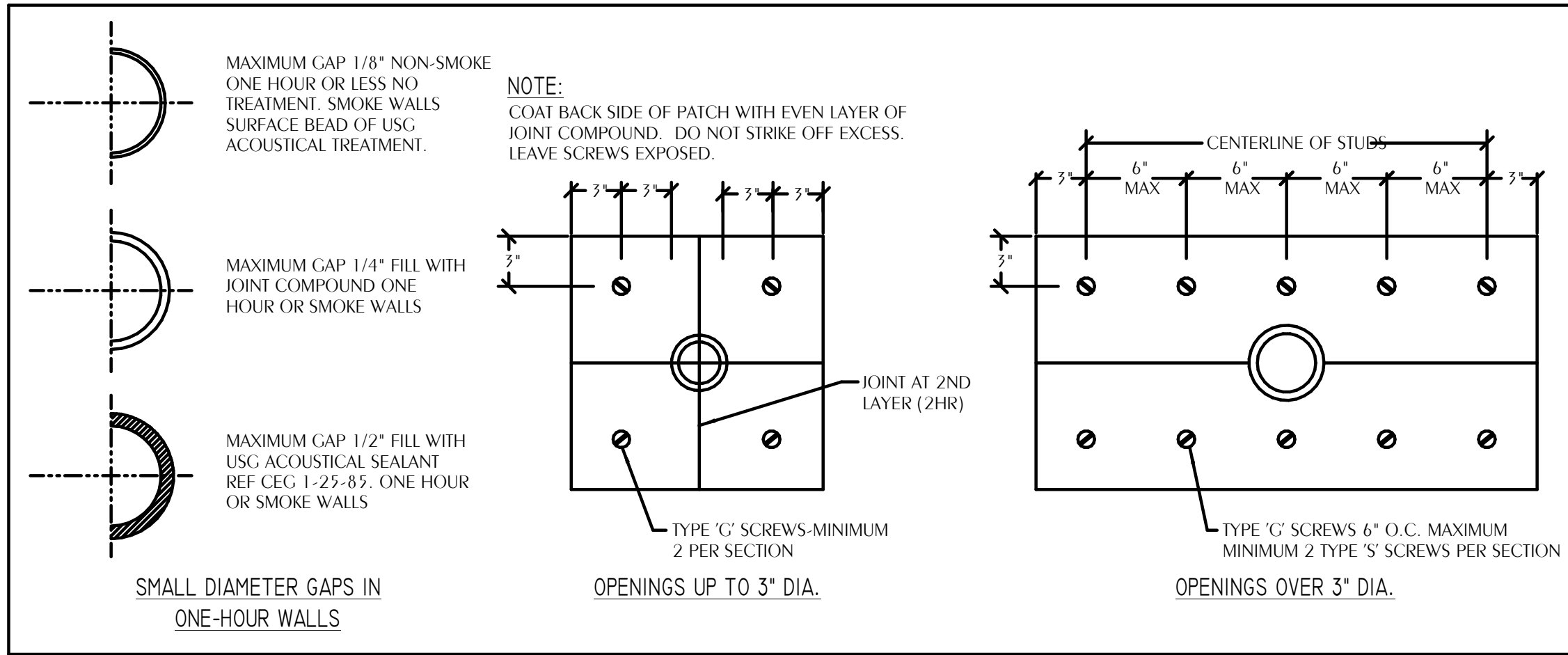
- FOR PENETRATIONS BY NON COMBUSTIBLE ITEMS USE 3M FIRE STOP SEALANT 2000 OR 3M FIRE BARRIER MOLDABLE PUDDY PADS MPP+.
- FOR FIRE RATED CONSTRUCTION JOINTS AND OTHER GAPS USE 3M FIRESTOP SEALANT 2000.
- FOR PENETRATIONS BY COMBUSTIBLE ITEMS USE 3M FIRE BARRIER CP25 WB OR 3M FIRE BARRIER FS 195 WRAP/STRIP.
- 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

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

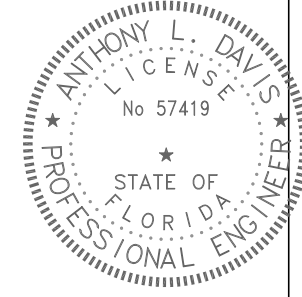
A.F.F. ABOVE FINISH FLOOR

A.F.G. ABOVE FINISH GRADE

CBB COMMUNICATION BACKBOIARD

lv LOW VOLTAGE

U.N.O. UNLESS NOTED OTHERWISE



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Reason: I am the author of this document
Date: 2026.10.14 16:19:12-0500

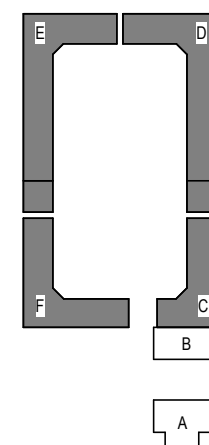
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GROVES & KING, LLC

GARAGES LUXURY AT MIRAMAR - PHASE 2

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



REVISIONS
NO. DESCRIPTION DATE

Project Number 25038A
Dated 10.12.2026

ELECTRICAL
LEGENDS,
GENERAL NOTES
AND DETAILS

E-001



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

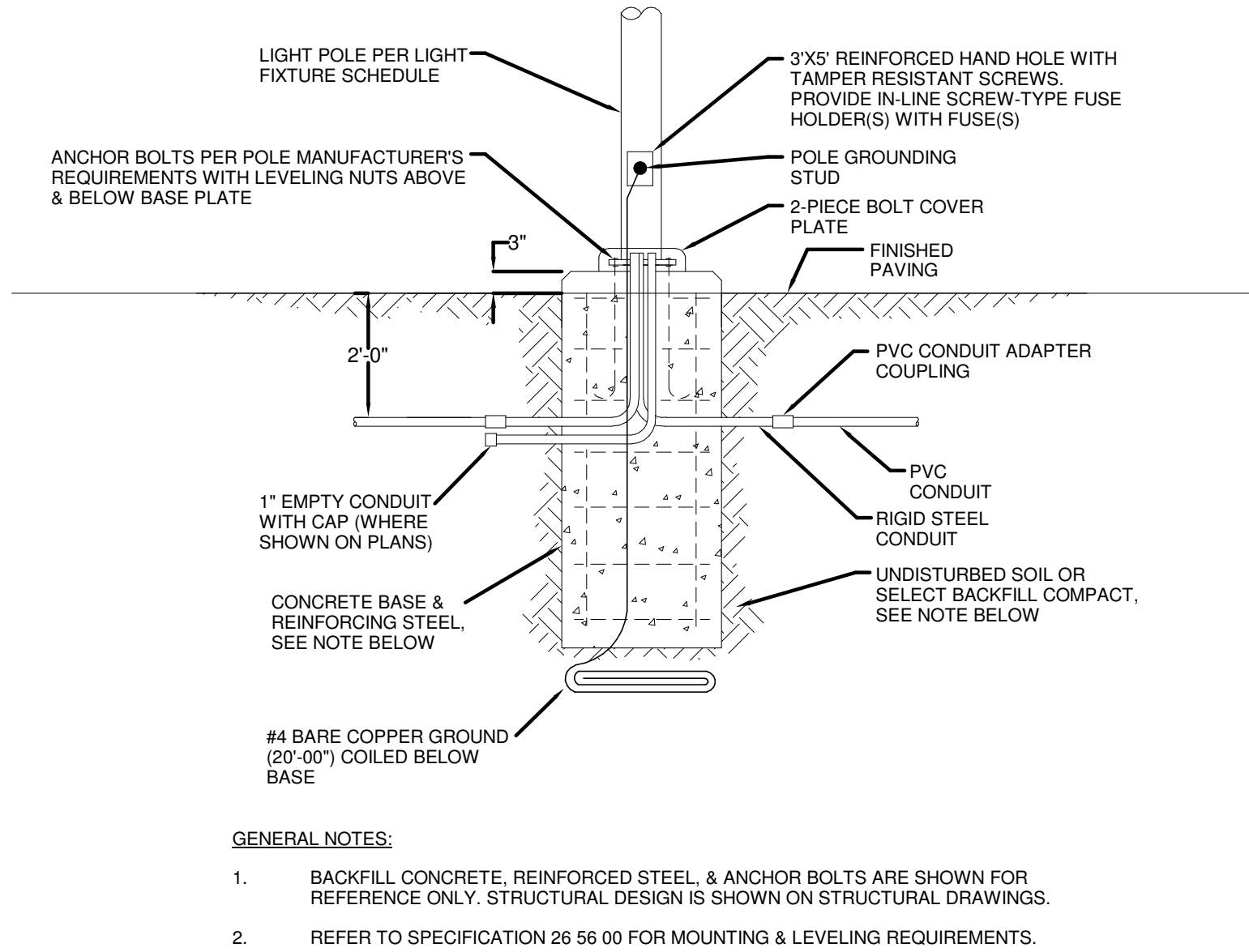
Interior Lighting Fixture Schedule				
Mark	Manufactuter and catalog No.	Lamp Type	Mounting	Remarks
BPX	CHLORIDE #CLCNRW	-- LED	WALL MOUNT @ 7'-6" (U.N.O)	BATTERY PACK/EXIT SIGN COMBO, SELF DIAGNOSTICS, 120V, USE PUNCH-OUTS TO SHOW DIRECTIONAL ARROWS AS DENOTED IN DRAWING(S)
CF	KICHLER #310780SNB	35W	STEM MOUNTED	LOA 6 BLADE 80" EXTERIOR CEILING FAN, WET LOC LISTED, 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
LD3	3G LIGHTING #3G-DL33SF-20-H95-30K-60D-UNV-DIM-(FINISH)-(FINISH)-NC	18W 3000K LED	CEILING RECESSED	3" SQUARE RECESSED DOWNLIGHT, STD 0-10V DIMMING, FINISH BY ARCH, 3000K, UNV VOLT
SC	VISA LIGHTING #OW2402-L30K-MVOLT-(FINISH)	13W 3000K LED	WALL MOUNT @4'-10" A.F.F.	22"H X 2-1/2"W DECORATIVE WALL MOUNTED SCONCE, 120V, 4000K, FINISH BY ARCH

FIXTURE FINISH SELECTIONS TO BE VERIFIED WITH ARCHITECT PRIOR TO ORDERING
*FOR ADDITIONAL DESIGN OPTIONS FOR FIXTURE 'HBA' REFER TO PHASE I INTERIOR LIGHTING FIXTURE SCHEDULE; COORDINATE WITH OWNER/ARCHITECT FOR WHICH DESIGN OPTION SHALL BE INSTALLED.

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
BP	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 #C3SA-R-W-(FINISH)-(FINISH)-B70-40-8018-P-UNV-5C	18W 4000K LED	SURFACE MOUNT	3" CYLINDRICAL ADJUSTABLE SURFACE MOUNT, 120V, 4000K, FINISH BY ARCH
SME	LIGHTHEADED #C3SA-R-W-(FINISH)-(FINISH)-B70-40-8018-P-UNV-5C-EM1	18W 4000K LED	SURFACE MOUNT	3" CYLINDRICAL ADJUSTABLE SURFACE MOUNT, 120V, 4000K, FINISH BY ARCH, FURNISH W/ EMERG. DRIVER
1WPX	LITHONIA LIGHTING #WPX2 LED 40K MVOLT (FINISH)	47W 4000K LED	SURFACE MOUNT	EXTERIOR LED WALL PACK, 120V, FINISH BY ARCH
WS	CAMMAN LIGHTING #OW610-24	20W 4000K LED	WALL MOUNT @5'-6" A.F.F.	24"H x 2.75W" DECORATIVE WALL MOUNTED SCONCE, 120V, 4000K, FINISH BY ARCH

FIXTURE FINISH SELECTIONS TO BE VERIFIED WITH ARCHITECT PRIOR TO ORDERING
1 REFER TO CIVIL FOR LIGHTING FIXTURE(S)



1 CONCRETE POLE BASE DETAIL
E-002 SCALE: NONE

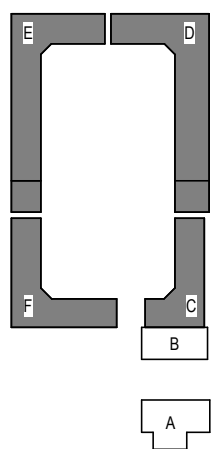
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GROVES & KING, LLC

GARAGES
LUXURY AT
MIRAMAR -
PHASE 2

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



REVISIONS	
NO.	DESCRIPTION
DATE	

Project Number	25038A
Dated	10.12.2026

LIGHTING
FIXTURE
SCHEDULES AND
DETAILS

E-002

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GENERAL NOTES

- ELECTRICAL CONTRACTOR TO INSTALL MATER BASE AND BREAKERS SO THAT CENTER OF METER IS NO LESS THAN 4'-5" 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) CONDUITS (W/ PULLSTRINGS) FROM BUILDING TO HIGHWAY RIGHT-OF-WAY... FOR BID PURPOSES ONLY.

SHEET NOTES

- EC SHALL 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.
- EC SHALL INSTALL THREE (3) PARALLEL RUNS OF 4#600MCM 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.
- INSTALL SURGE SUPPRESSOR IN NEMA 3R ENCLOSURE, WITH 4#6, 1#10GND IN 1" CONDUIT; LEAD LENGTH CANNOT EXCEED UL 1449 2ND ADDITION TEST OF 14". REFER TO SPECIFICATIONS.
- 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.
- 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.
- INSTALL FIVE (5) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE. FIELD-COORDINATE EXACT POINTS-OF-TERMINATION WITHIN TENANT SPACES WITH GC/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
- INSTALL NINE (9) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE. FIELD-COORDINATE EXACT POINTS-OF-TERMINATION WITHIN TENANT SPACES WITH GC/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
- PER NEC 230.70(B) LABEL 2 OF 2 WITH PERMANENT MICARTA NAMEPLATE. EC TO NOTE: BUILDING SERVICE 1 OF 2 IS INSTALLED DURING PHASE ONE OF CONSTRUCTION.
- EACH TENANT SERVICE TO BE PROTECTED BY 225/2 BREAKER. EC SHALL UPSIZE FEEDER TO REDUCE VOLTAGE DROP. EC SHALL INSTALL 3#250MCM CU, 1#4 CU GND IN 2-1/2" CONDUIT TO ASSOCIATED PANEL.

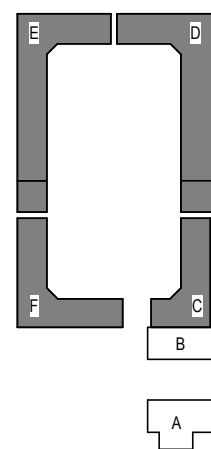
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**GARAGES
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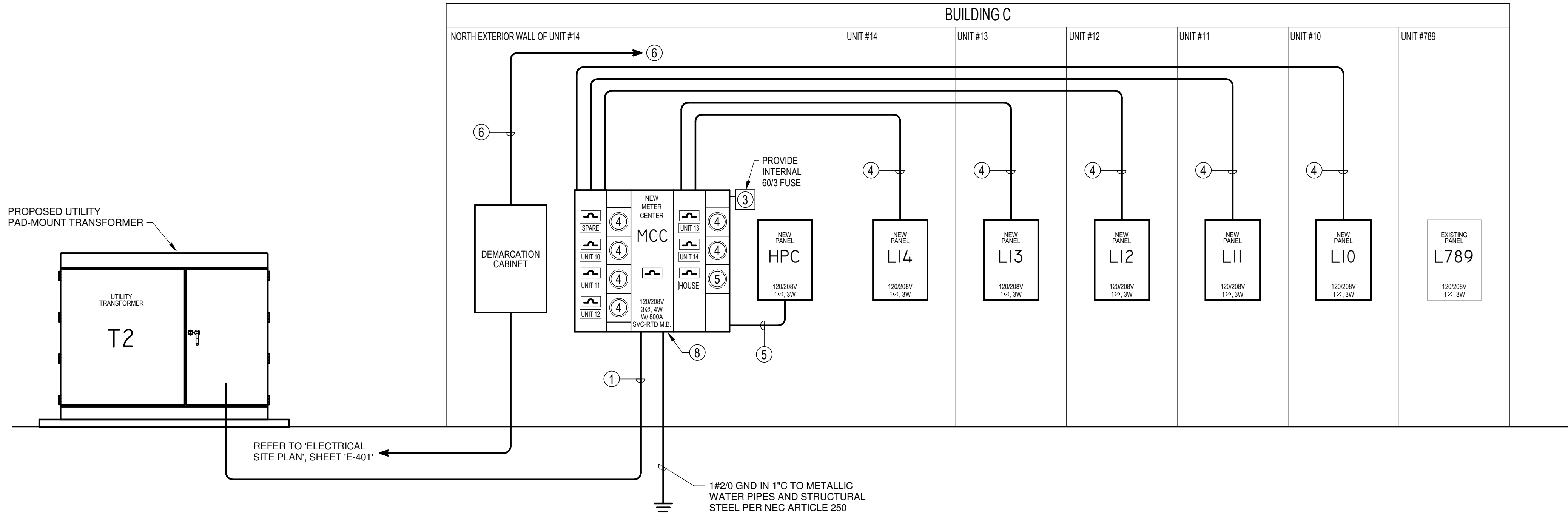
REVISIONS
NO. DESCRIPTION DATE

Project Number 25038A
Dated 10.12.2026

BLDG C AND F
POWER RISER
DIAGRAMS

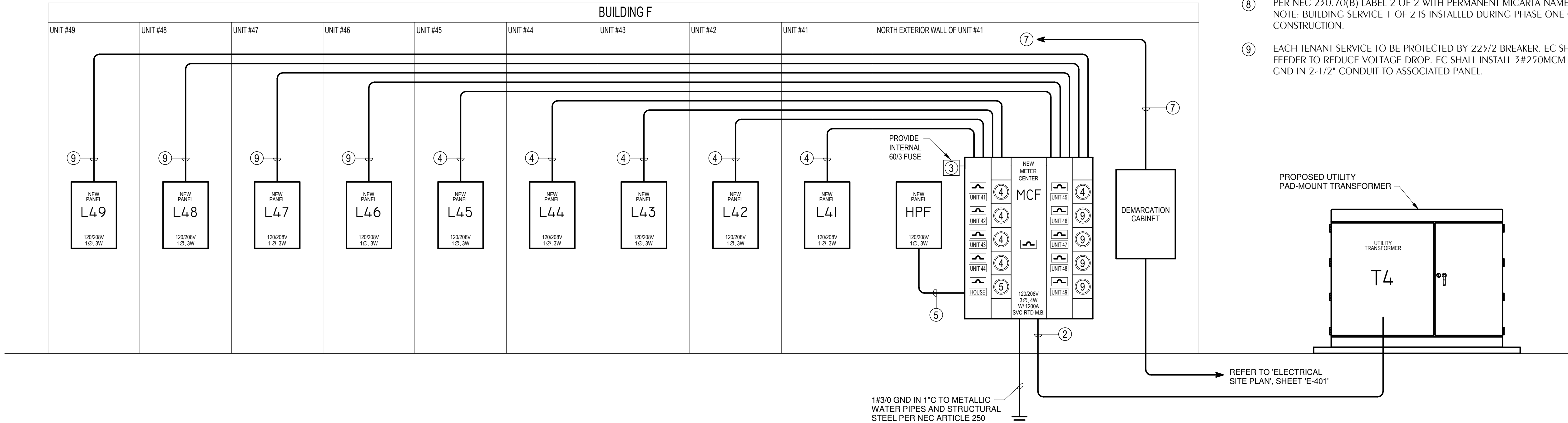
E-003

BUILDING C



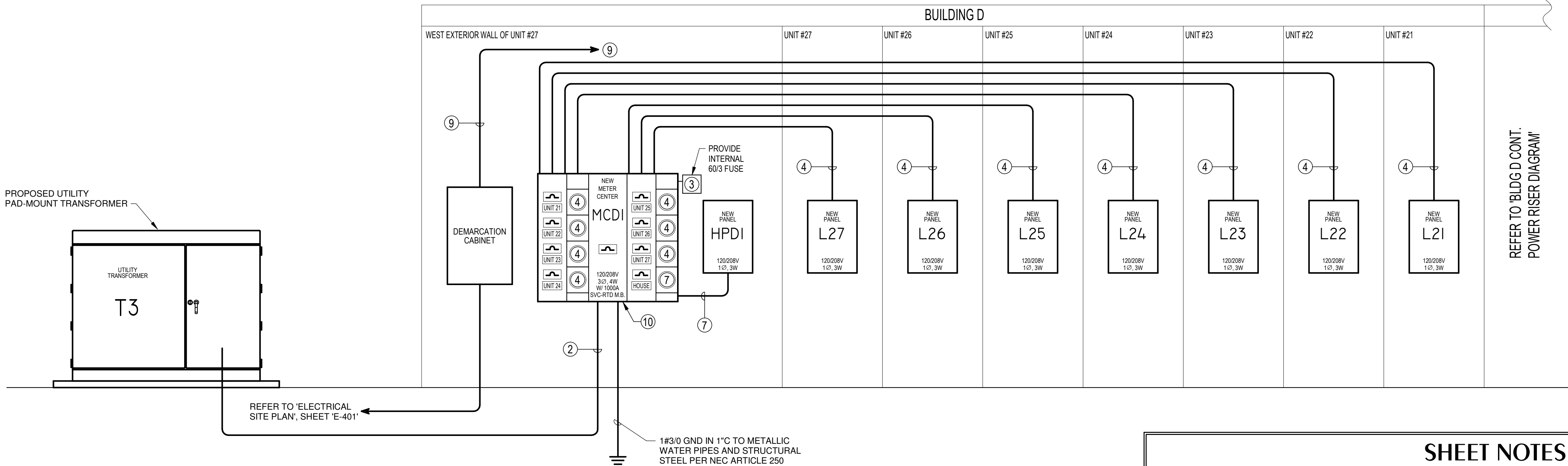
1 BLDG C POWER RISER DIAGRAM
E-003 SCALE: NONE

BUILDING F



2 BLDG F POWER RISER DIAGRAM
E-003 SCALE: NONE

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GENERAL NOTES

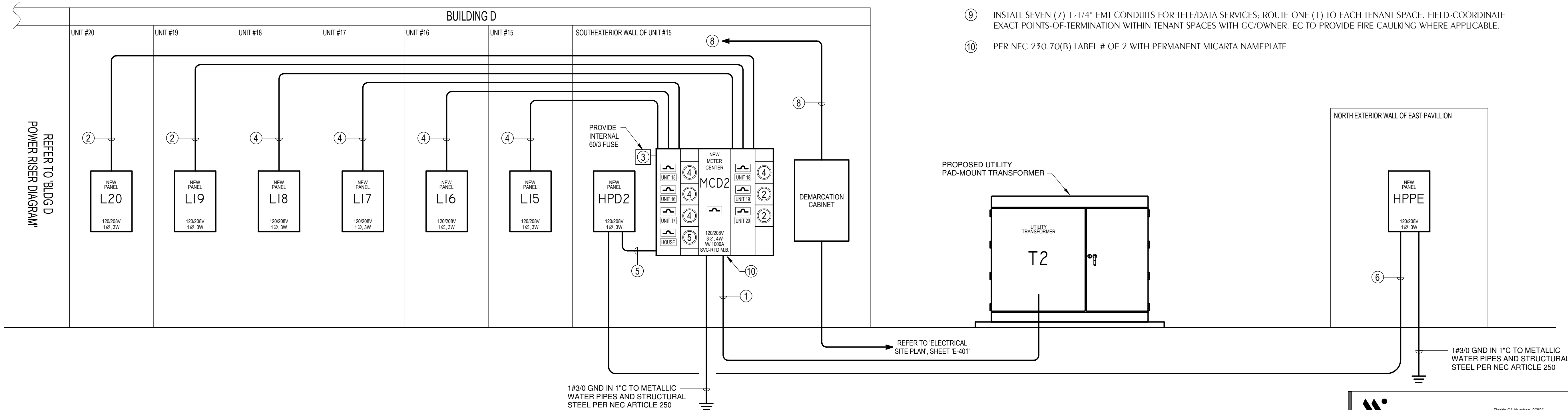
- ELECTRICAL CONTRACTOR TO INSTALL MATER BASE AND BREAKERS SO THAT CENTER OF METER IS NO LESS THAN 4.5'-5.5' A.F.G. AND BREAKER HANDLE IS NO GREATER THAN 79" A.F.G. TO COMPLY WITH UTILITY GUIDELINES AND NEC REQUIREMENTS.
- WITH APPROVAL OF LOCAL AHJ AND UTILITY, ALUMINUM CONDUCTOR MAY BE USED FOR SERVICE 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) CONDUITS (W/ PULLSTRINGS) FROM BUILDING TO HIGHWAY RIGHT-OF-WAY... FOR BID PURPOSES ONLY.

1 BLDG D POWER RISER DIAGRAM

E-004 SCALE: NONE

SHEET NOTES

- EC SHALL INSTALL THREE (3) PARALLEL RUNS OF 4#400MCM CU, IN 3" 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.
- EACH TENANT SERVICE TO BE PROTECTED BY 225/2 BREAKER. EC SHALL UPSIZE FEEDER TO REDUCE VOLTAGE DROP. EC SHALL INSTALL 3#250MCM CU, 1#4 CU GND IN 2-1/2" CONDUIT TO ASSOCIATED PANEL.
- INSTALL SURGE SUPPRESSOR IN NEMA 3R ENCLOSURE, WITH 4#6, 1#10GND IN 1" CONDUIT; LEAD LENGTH CANNOT EXCEED UL 1449 2ND ADDITION TEST OF 14". REFER TO SPECIFICATIONS.
- 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.
- HOUSE SERVICE TO BE PROTECTED BY 150/2 BREAKER. EC SHALL INSTALL 3#1/0 CU, 1#6 CU GND IN 2" CONDUIT TO ASSOCIATED PANEL.
- EC SHALL INSTALL 3#2 CU, 1#6 CU GND IN 1-1/4" CONDUIT. EC TO NOTE: FEEDER UPSIZED TO REDUCE VOLTAGE DROP.
- 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.
- INSTALL SIX (6) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE. FIELD-COORDINATE EXACT POINTS-OF-TERMINATION WITHIN TENANT SPACES WITH GC/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
- INSTALL SEVEN (7) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE. FIELD-COORDINATE EXACT POINTS-OF-TERMINATION WITHIN TENANT SPACES WITH GC/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
- PER NEC 230.70(B) LABEL # OF 2 WITH PERMANENT MICARTA NAMEPLATE.



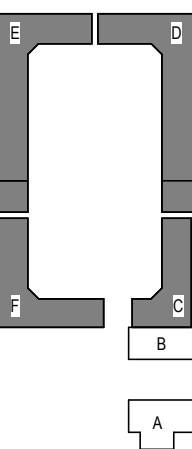
2 BLDG D POWER RISER DIAGRAM CONT.

E-004 SCALE: NONE

WATFORD
ENGINEERING

Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-033
Checked By: ALD
Drawn By: CTG

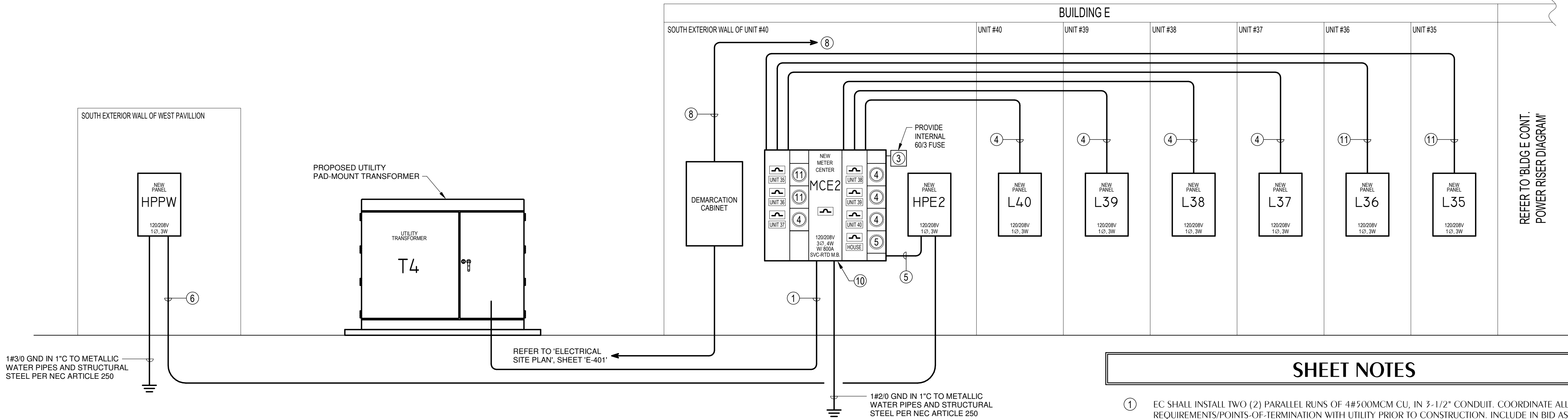
4423 Clinton Street Miramar, Florida 33146
2449 Moores Mill Rd, Suite 100 Auburn, AL 36830



REVISIONS	NO.	DESCRIPTION	DATE
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Project Number	25038A
Dated	10.12.2026

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GENERAL NOTES

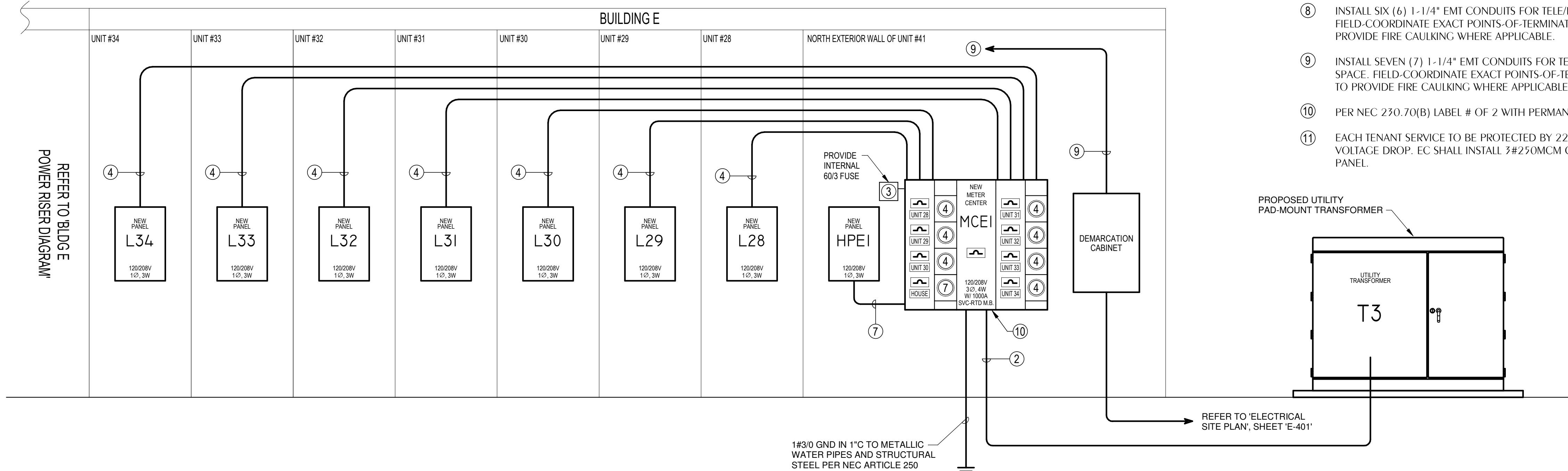
- ELECTRICAL CONTRACTOR TO INSTALL MATER BASE AND BREAKERS SO THAT CENTER OF METER IS NO LESS THAN 4.5'-5.5' A.F.C. AND BREAKER HANDLE IS NO GREATER THAN 79" A.F.C. TO COMPLY WITH UTILITY GUIDELINES AND NEC REQUIREMENTS.
- WITH APPROVAL OF LOCAL AHI AND UTILITY, ALUMINUM CONDUCTOR MAY BE USED FOR SERVICE 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) CONDUITS (W/ PULLSTRINGS) FROM BUILDING TO HIGHWAY RIGHT-OF-WAY... FOR BID PURPOSES ONLY.

1 BLDG E POWER RISER DIAGRAM

E-005 SCALE: NONE

SHEET NOTES

- EC SHALL 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.
- EC SHALL INSTALL THREE (3) PARALLEL RUNS OF 4#400MCM CU, IN 3" 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.
- INSTALL SURGE SUPPRESSOR IN NEMA 3R ENCLOSURE, WITH 4#6, 1#10GND IN 1" CONDUIT; LEAD LENGTH CANNOT EXCEED UL 1449 2ND ADDITION TEST OF 14". REFER TO SPECIFICATIONS.
- 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.
- HOUSE SERVICE TO BE PROTECTED BY 150/2 BREAKER. EC SHALL INSTALL 3#1/0 CU, 1#6 CU GND IN 2" CONDUIT TO ASSOCIATED PANEL.
- EC SHALL INSTALL 3#2 CU, 1#6 CU GND IN 1-1/4" CONDUIT. EC TO NOTE: FEEDER UPSIZED TO REDUCE VOLTAGE DROP.
- 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.
- INSTALL SIX (6) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE. FIELD-COORDINATE EXACT POINTS-OF-TERMINATION WITHIN TENANT SPACES WITH GC/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
- INSTALL SEVEN (7) 1-1/4" EMT CONDUITS FOR TELE/DATA SERVICES; ROUTE ONE (1) TO EACH TENANT SPACE. FIELD-COORDINATE EXACT POINTS-OF-TERMINATION WITHIN TENANT SPACES WITH GC/OWNER. EC TO PROVIDE FIRE CAULKING WHERE APPLICABLE.
- PER NEC 230.70(B) LABEL # OF 2 WITH PERMANENT MICARTA NAMEPLATE.
- EACH TENANT SERVICE TO BE PROTECTED BY 225/2 BREAKER. EC SHALL UPSIZE FEEDER TO REDUCE VOLTAGE DROP. EC SHALL INSTALL 3#250MCM CU, 1#4 CU GND IN 2-1/2" CONDUIT TO ASSOCIATED PANEL.

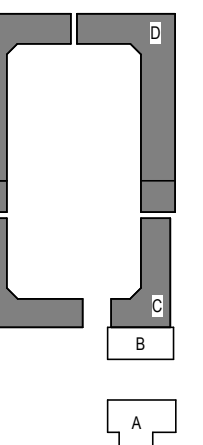


2 BLDG E POWER RISER DIAGRAM CONT.

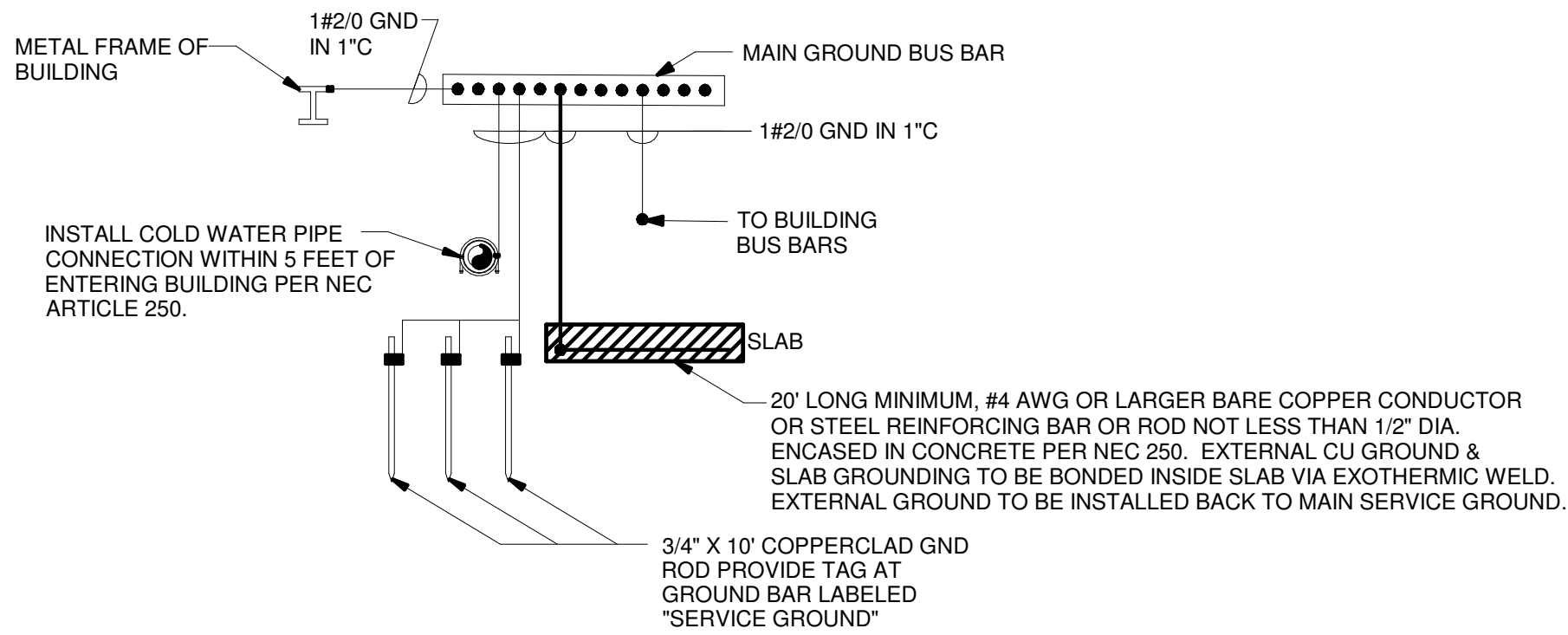
E-005 SCALE: NONE



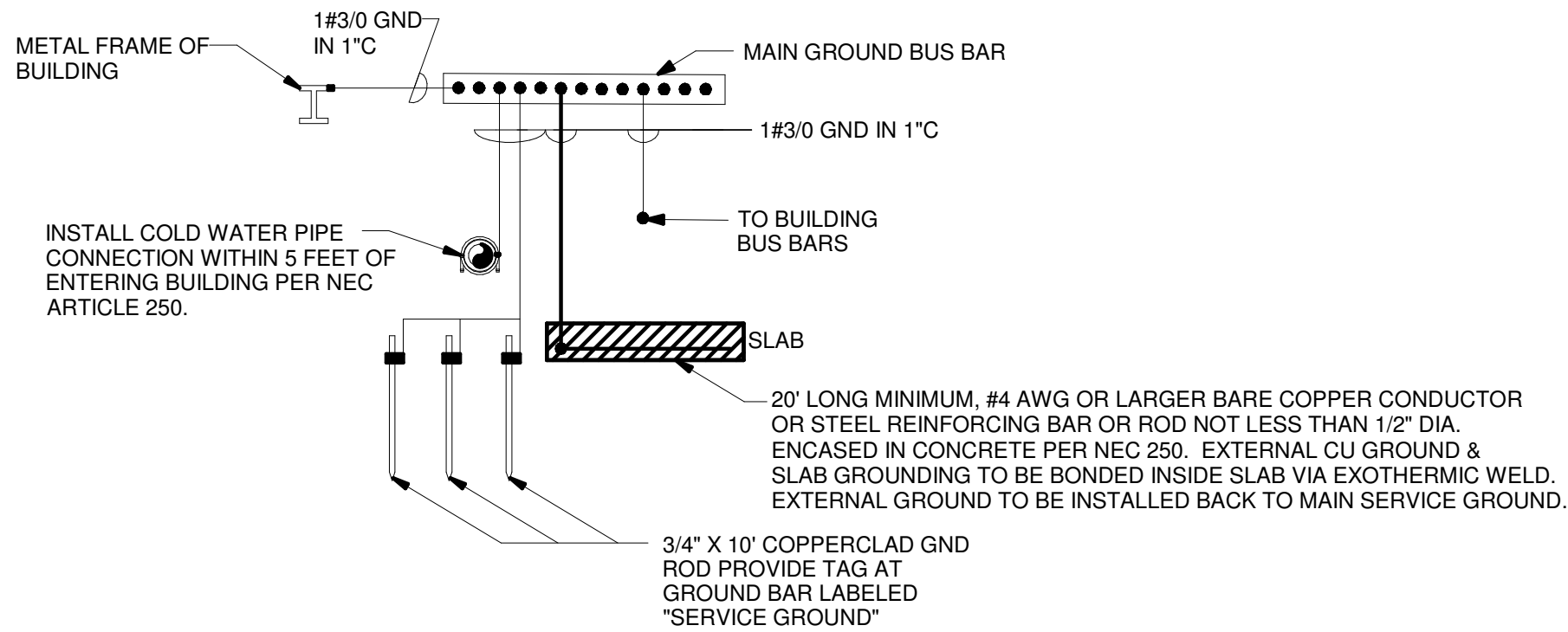
Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-033
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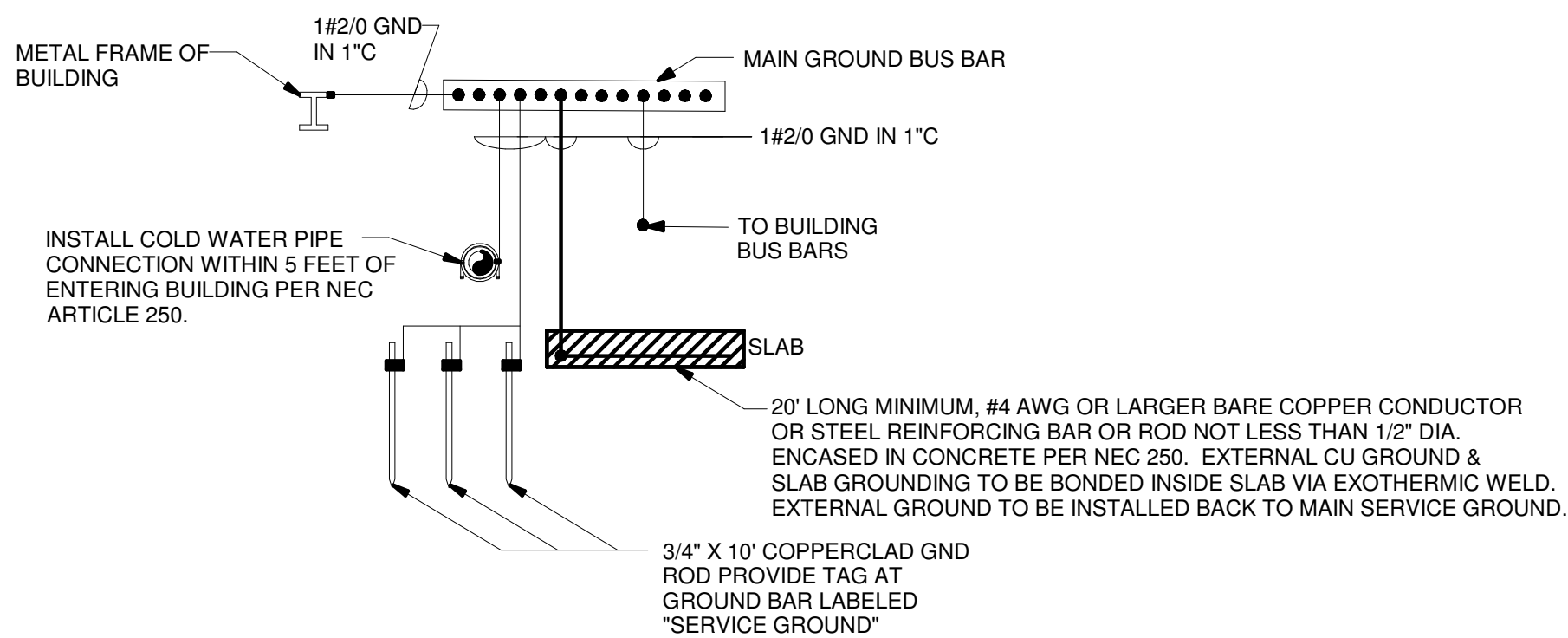
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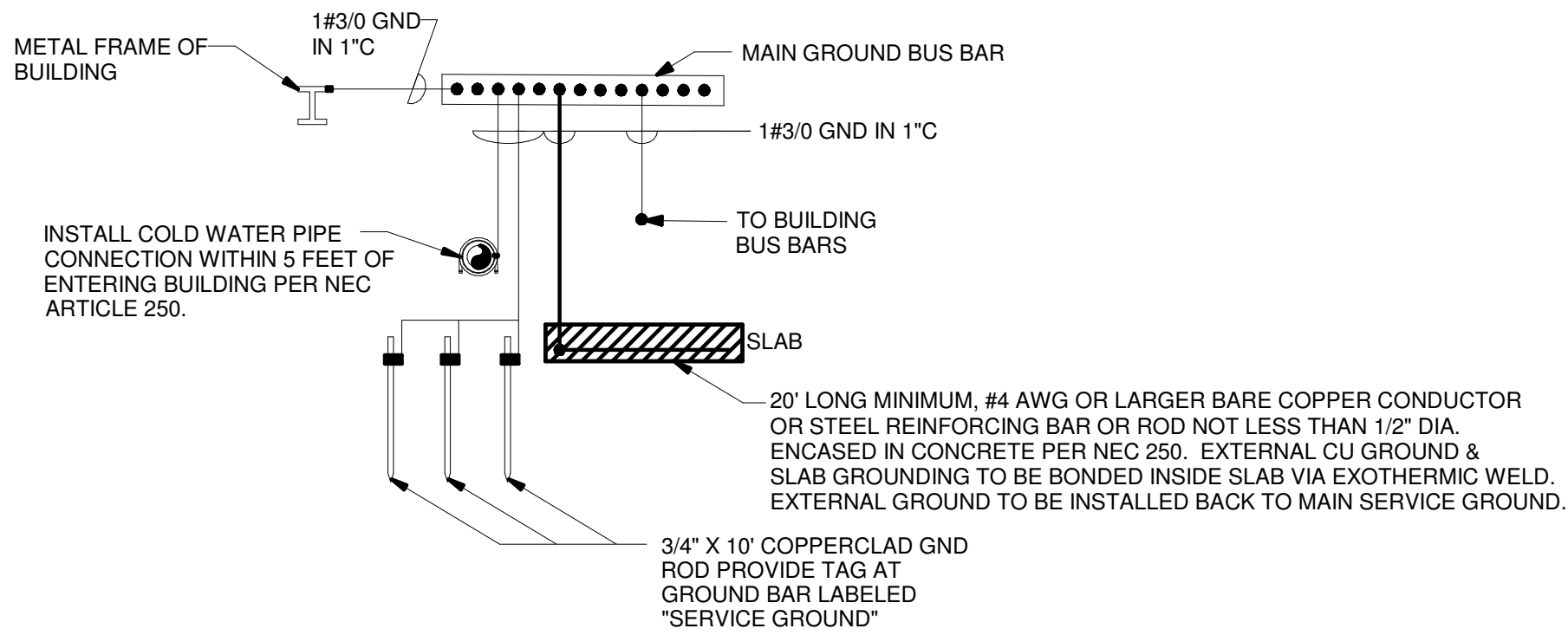
1 BLDG C GROUNDING SYSTEM RISER DIAGRAM
E-006 SCALE: NONE



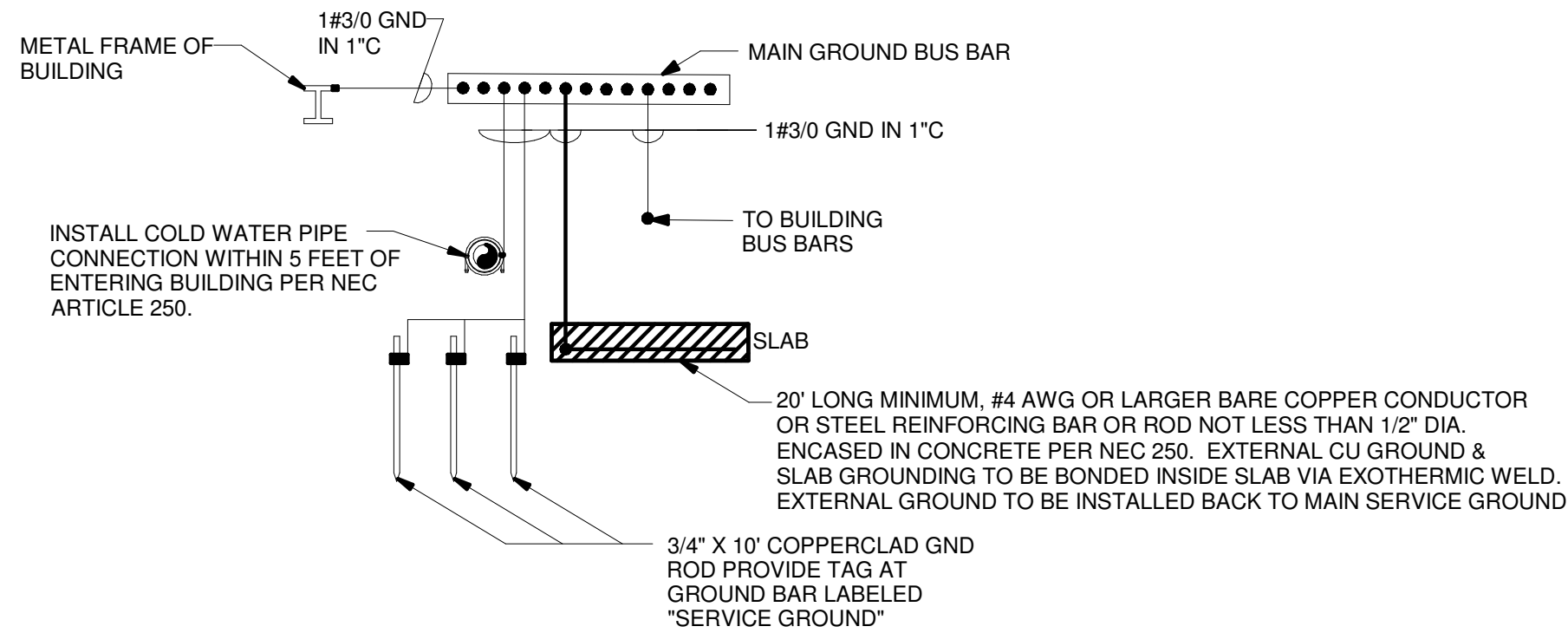
3 BLDG D SVC. #2 GROUNDING SYSTEM RISER DIAGRAM
E-006 SCALE: NONE



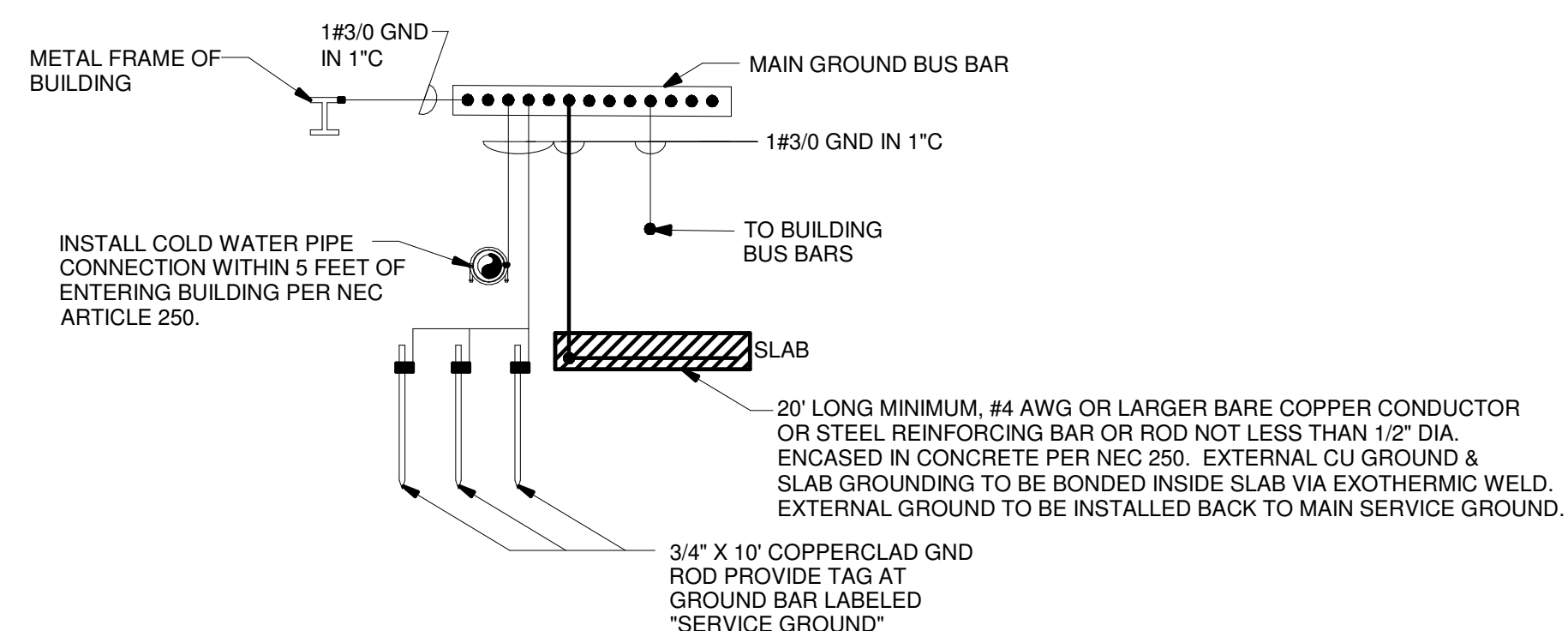
5 BLDG E SVC. #2 GROUNDING SYSTEM RISER DIAGRAM
E-006 SCALE: NONE



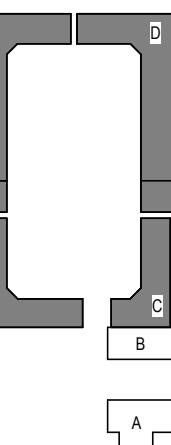
2 BLDG D SVC. #1 GROUNDING SYSTEM RISER DIAGRAM
E-006 SCALE: NONE



4 BLDG E SVC. #1 GROUNDING SYSTEM RISER DIAGRAM
E-006 SCALE: NONE



6 BLDG F GROUNDING SYSTEM RISER DIAGRAM
E-006 SCALE: NONE



REVISIONS	NO.	DESCRIPTION	DATE
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Project Number	25038A
Dated	10.12.2026

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Meter Center Schedule: MCC						
Location: BLDG C NORTH EXTERIOR WALL			<u>Incoming Service Characteristics</u>		<u>Distribution System Characteristics</u>	
Supply From: UTILITY 'T2'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 4		Wires: 3	
			M.B.: 800 A			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	SPARE	N/A	225 A	0 VA		
2	UNIT 10	L10	225 A		6282 VA	5803 VA
3	UNIT 11	L11	225 A	4367 VA		5097 VA
4	UNIT 12	L12	225 A	3911 VA	3212 VA	
5	UNIT 13	L13	225 A		3212 VA	2731 VA
6	UNIT 14	L14	225 A	3647 VA		4127 VA
7	HOUSE	HPC	100 A	649 VA	775 VA	0 VA
				12573 VA	13480 VA	17758 VA
				105 A	113 A	149 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		3540 VA	100.00%	3540 VA		
HVAC		25634 VA	100.00%	25634 VA	Total Conn. Load:	43811 VA
Other		0 VA	0.00%	0 VA	Total Est. Demand:	43811 VA
Receptacle		12060 VA	100.00%	12060 VA	Total Conn.:	122 A
Lighting		2577 VA	100.00%	2577 VA	Total Est. Demand:	122 A

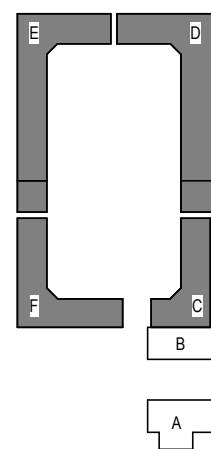
Meter Center Schedule: MCD1						
Location: BLDG D NORTHEAST EXTERIOR...			Incoming Service Characteristics		Distribution System Characteristics	
Supply From: UTILITY 'T3'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 4		Wires: 3	
			M.B.: 1000 A			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	UNIT 21	L21	225 A	3911 VA	3212 VA	
2	UNIT 22	L22	225 A		3911 VA	3212 VA
3	UNIT 23	L23	225 A	4367 VA		5097 VA
4	UNIT 24	L24	250 A	6623 VA	4742 VA	
5	UNIT 25	L25	225 A		5277 VA	4187 VA
6	UNIT 26	L26	225 A	3212 VA		3911 VA
7	UNIT 27	L27	225 A	5007 VA	4097 VA	
8	HOUSE	HPD1	100 A	1276 VA	337 VA	0 VA
				24394 VA	21576 VA	16406 VA
				210 A	186 A	137 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		8260 VA	100.00%	8260 VA		
HVAC		34789 VA	100.00%	34789 VA	Total Conn. Load:	62376 VA
Other		0 VA	0.00%	0 VA	Total Est. Demand:	62376 VA
Receptacle		15660 VA	100.00%	15660 VA	Total Conn.:	173 A
Lighting		3667 VA	100.00%	3667 VA	Total Est. Demand:	173 A

Meter Center Schedule: MCD2						
Location: BLDG D SOUTH EXTERIOR WALL			Incoming Service Characteristics		Distribution System Characteristics	
Supply From: UTILITY 'T2'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 4		Wires: 3	
			M.B.: 1000 A			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	UNIT 15	L15	225 A	7413 VA	6503 VA	
2	UNIT 16	L16	225 A		6997 VA	6267 VA
3	UNIT 17	L17	225 A	5171 VA		5932 VA
4	UNIT 18	L18	225 A	5932 VA	4991 VA	
5	UNIT 19	L19	225 A		5007 VA	4457 VA
6	UNIT 20	L20	225 A	4277 VA		5007 VA
7	HOUSE	HPD2	150 A	3825 VA	2873 VA	
				26617 VA	26370 VA	21662 VA
				228 A	226 A	181 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		7080 VA	100.00%	7080 VA		
HVAC		29296 VA	100.00%	29296 VA	Total Conn. Load: 74649 VA	
Other		35 VA	100.00%	35 VA	Total Est. Demand: 74649 VA	
Receptacle		30072 VA	100.00%	30072 VA	Total Conn.: 207 A	
Power		4160 VA	100.00%	4160 VA	Total Est. Demand: 207 A	
Lighting		4006 VA	100.00%	4006 VA		

Meter Center Schedule: MCE1						
Location: BLDG D NORTHWEST EXTERIOR...			Incoming Service Characteristics		Distribution System Characteristics	
Supply From: UTILITY T3'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 4		Wires: 3	
			M.B.: 1000 A			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	UNIT 28	L28	225 A	5097 VA	4007 VA	
2	UNIT 29	L29	225 A		4032 VA	3091 VA
3	UNIT 30	L30	225 A	4187 VA		5277 VA
4	UNIT 31	L31	250 A	6102 VA	5803 VA	
5	UNIT 32	L32	225 A		5097 VA	4367 VA
6	UNIT 33	L33	225 A	3091 VA		4032 VA
7	UNIT 34	L34	225 A	4032 VA	3091 VA	
8	HOUSE	HPE1	100 A	1049 VA	384 VA	0 VA
				23557 VA	22413 VA	16766 VA
				204 A	194 A	140 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		8260 VA	100.00%	8260 VA		
HVAC		34789 VA	100.00%	34789 VA	Total Conn. Load:	62736 VA
Other		0 VA	0.00%	0 VA	Total Est. Demand:	62736 VA
Receptacle		16020 VA	100.00%	16020 VA	Total Conn.:	174 A
Lighting		3667 VA	100.00%	3667 VA	Total Est. Demand:	174 A

Meter Center Schedule: MCE2						
Location: BLDG E SOUTH EXTERIOR WALL			Incoming Service Characteristics		Distribution System Characteristics	
Supply From: UTILITY 'T4'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 4		Wires: 3	
			M.B.: 800 A			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	UNIT 35	L35	225 A	5097 VA	4007 VA	
2	UNIT 36	L36	225 A		5097 VA	4007 VA
3	UNIT 37	L37	225 A	3091 VA		4032 VA
4	UNIT 38	L38	225 A	4032 VA	3091 VA	
5	UNIT 39	L39	225 A		5097 VA	4007 VA
6	UNIT 40	L40	225 A	4007 VA		5097 VA
7	HOUSE	HPE2	150 A	3679 VA	2347 VA	
				19905 VA	19639 VA	17142 VA
				169 A	167 A	143 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		7080 VA	100.00%	7080 VA		
HVAC		29296 VA	100.00%	29296 VA	Total Conn. Load:	56686 VA
Other		35 VA	100.00%	35 VA	Total Est. Demand:	56686 VA
Receptacle		12960 VA	100.00%	12960 VA	Total Conn.:	157 A
Power		4160 VA	100.00%	4160 VA	Total Est. Demand:	157 A
Lighting		3155 VA	100.00%	3155 VA		

Meter Center Schedule: MCF						
Location: BLDG F NORTH EXTERIOR WALL			Incoming Service Characteristics		Distribution System Characteristics	
Supply From: UTILITY 'T4'			Volts: 120/208		Volts: 120/208	
Enclosure: NEMA 3R			Phases: 3		Phase: 1	
AIC Rating 65,000			Wires: 4		Wires: 3	
			M.B.: 1200 A			
Notes:						
Meter Branch	Branch Description	Panel Feeding	Trip	A	B	C
1	UNIT 41	L41	225 A	4947 VA	4007 VA	
2	UNIT 42	L42	225 A		4032 VA	3091 VA
3	UNIT 43	L43	225 A	3091 VA		4032 VA
4	UNIT 44	L44	225 A	7413 VA	6683 VA	
5	UNIT 45	L45	250 A		8418 VA	8119 VA
6	UNIT 46	L46	225 A	6503 VA		7413 VA
7	UNIT 47	L47	225 A	5932 VA	4991 VA	
8	UNIT 48	L48	225 A		5932 VA	4991 VA
9	UNIT 49	L49	225 A	5407 VA		6348 VA
10	HOUSE	HPF	100 A	1323 VA	433 VA	0 VA
				34615 VA	34494 VA	33993 VA
				289 A	288 A	283 A
Load Classification		Connected Load	Demand Factor	Estimated Demand	Meter Center Totals	
Equipment		10620 VA	100.00%	10620 VA		
HVAC		42113 VA	100.00%	42113 VA	Total Conn. Load:	103102 VA
Other		0 VA	0.00%	0 VA	Total Est. Demand:	103102 VA
Receptacle		46108 VA	100.00%	46108 VA	Total Conn.:	286 A
Lighting		4261 VA	100.00%	4261 VA	Total Est. Demand:	286 A



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Branch Panel: L10											
Location: UNIT 10 2				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCC				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 250 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	B		C		Poles	Trip	Circuit Description	CKT
				180 VA	1180 VA	180 VA	720 VA				
1	REC-RV	60 A	2					1	20 A	MOTORIZED DOOR	2
3								1	20 A	REC-UNIT 10	4
5				0 VA	540 VA			1	20 A	REC-UNIT 10	6
7	FUTURE ELECTRIC CAR CHARGER	60 A	2			0 VA	540 VA	1	20 A	REC-UNIT 10	8
9	SPACE	--	1	--	720 VA			1	20 A	REC-UNIT 10	10
11	SPACE	--	1	--		--	701 VA	1	20 A	LTS-UNIT 10	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	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	36
37	SPACE	--	1	--	0 VA			1	20 A	SPARE	38
39	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	40
41	SPACE	--	1	--	0 VA			1	20 A	SPARE	42
43	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	44
45	SPACE	--	1	--	0 VA			1	20 A	SPARE	46
47											48
49	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	50
51					916 VA	916 VA					52
53	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	54
Total Load:				6282 VA		5803 VA					
Total Amps:				60 A		56 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		1180 VA		100.00%		1180 VA					
HVAC		7324 VA		100.00%		7324 VA		Total Conn. Load: 12085 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 12085 VA			
Receptacle		2880 VA		100.00%		2880 VA		Total Conn.: 58 A			
Lighting		701 VA		100.00%		701 VA		Total Est. Demand: 58 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L12											
Location: UNIT 12 4				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCC				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	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	900 VA	1	20 A	REC-UNIT 12	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	720 VA			1	20 A	REC-UNIT 12	6
7						0 VA	301 VA	1	20 A	LTS-UNIT 12	8
9	FUTURE SHP AIR COMPRESSOR	60 A	2	0 VA	0 VA			1	20 A	SPARE	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	--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1	--	0 VA	--	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:				3911 VA		3212 VA					
Total Amps:				37 A		31 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: 7123 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 7123 VA			
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 34 A			
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 34 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

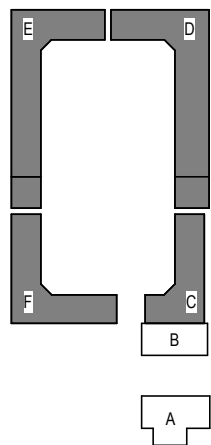
Branch Panel: L11											
Location: UNIT 11 3				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCC				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 225 A			
Enclosure: NEMA 1								MCB Rating: N/A			
Notes:											
CKT	Circuit Description	Trip	Poles	A		C		Poles	Trip	Circuit Description	CKT
				180 VA	1180 VA	180 VA	720 VA				
1	REC-RV	60 A	2					1	20 A	MOTORIZED DOOR	2
3								1	20 A	REC-UNIT 11	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 11	6
7						0 VA	720 VA	1	20 A	REC-UNIT 11	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	451 VA			1	20 A	LTS-UNIT 11	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	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	36
37	SPACE	--	1	--	0 VA			1	20 A	SPARE	38
39	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	40
41	SPACE	--	1	--	0 VA			1	20 A	SPARE	42
43	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	44
45	SPACE	--	1	--	0 VA			1	20 A	SPARE	46
47	MHP-A/WM-A	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	48
49				916 VA	0 VA			1	20 A	SPARE	50
51	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	52
53				916 VA	916 VA						54
Total Load:				5097 VA		4367 VA					
Total Amps:				48 A		42 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: 9464 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 9464 VA			
Receptacle		2340 VA		100.00%		2340 VA		Total Conn.: 45 A			
Lighting		451 VA		100.00%		451 VA		Total Est. Demand: 45 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

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Branch Panel: L13											
Location: UNIT 13 5				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCC				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	180 VA	900 VA			1	20 A	REC-UNIT 13	2
3						180 VA	720 VA	1	20 A	REC-UNIT 13	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 13	6
7						0 VA	0 VA	1	20 A	SPARE	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	0 VA			1	20 A	SPARE	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:				3212 VA		2731 VA					
Total Amps:				30 A		26 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		0 VA		0.00%		0 VA					
HVAC		3662 VA		100.00%		3662 VA		Total Conn. Load: 5943 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 5943 VA			
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 29 A			
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 29 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L14											
Location: UNIT 14 6				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCC				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	180 VA	900 VA			1	20 A	REC-UNIT 14	2
3						180 VA	720 VA	1	20 A	REC-UNIT 14	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	301 VA			1	20 A		6
7						0 VA	0 VA	1	20 A	SPARE	8
9	FUTURE SHP AIR COMPRESSOR	60 A	2	0 VA	0 VA			1	20 A	SPARE	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	916 VA				40
41	MHP-A/WM-A	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42
Total Load:				4127 VA		3647 VA					
Total Amps:				39 A		35 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		0 VA		0.00%		0 VA					
HVAC		5493 VA		100.00%		5493 VA		Total Conn. Load: 7774 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 7774 VA			
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 37 A			
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 37 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: HPC													
Location:				Volts: 120/208 Wye				A.I.C. Rating: 22,000					
Supply From: MCC				Phases: 3				Mains Type: MLO					
Mounting: SURFACE				Wires: 4				Mains Rating: 100 A					
Enclosure: NEMA 3R								MCB Rating: N/A					
Notes:													
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-EXTERIOR	20 A	1	360 VA	289 VA					1	20 A	LTS-EXTERIOR	2
3	REC-EXTERIOR	20 A	1			540 VA	235 VA			1	20 A	LTG-EXTERIOR	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	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	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:				649 VA		775 VA		0 VA					
Total Amps:				6 A		7 A		0 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Receptacle		900 VA		100.00%		900 VA							
Lighting		524 VA		100.00%		524 VA		Total Conn. Load: 1424 VA					
								Total Est. Demand: 1424 VA					
								Total Conn.: 4 A					
								Total Est. Demand: 4 A					
Notes:													



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Branch Panel: L15

Location: UNIT 15 7

Supply From: MCD2

Mounting: SURFACE

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	A		B		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	2496 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						2496 VA	720 VA	1	20 A	REC-UNIT 15	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 15	6
7						0 VA	540 VA	1	20 A	REC-UNIT 15	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	451 VA			1	20 A	LTS-UNIT 15	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				40
41				916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42
Total Load:				7413 VA		6503 VA					
Total Amps:				70 A		63 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: 13916 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 13916 VA			
Receptacle		6792 VA		100.00%		6792 VA		Total Conn.: 67 A			
Lighting		451 VA		100.00%		451 VA		Total Est. Demand: 67 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L16												
Location: UNIT 16 8				Volts: 120/208 Single				A.I.C. Rating: 22,000				
Supply From: MCD2				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	2080 VA	1180 VA			1	20 A	MOTORIZED DOOR	2	
3						2080 VA	720 VA	1	20 A	REC-UNIT 16	4	
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 16	6	
7						0 VA	720 VA	1	20 A	REC-UNIT 16	8	
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	451 VA			1	20 A	LTS-UNIT 16	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				40	
41				916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42	
Total Load:				6997 VA		6267 VA						
Total Amps:				66 A		60 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: 13264 VA				
Other		0 VA		0.00%		0 VA		Total Est. Demand: 13264 VA				
Receptacle		6140 VA		100.00%		6140 VA		Total Conn.: 64 A				
Lighting		451 VA		100.00%		451 VA		Total Est. Demand: 64 A				
Notes:												
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED												

Branch Panel: L17												
Location: UNIT 17 11				Volts: 120/208 Single				A.I.C. Rating: 22,000				
Supply From: MCD2				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	2080 VA	1180 VA			1	20 A	MOTORIZED DOOR	2	
3						2080 VA	720 VA	1	20 A	REC-UNIT 17	4	
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 17	6	
7						0 VA	540 VA	1	20 A	REC-UNIT 17	8	
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 17	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:				5932 VA		5171 VA						
Total Amps:				56 A		50 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: 11103 VA				
Other		0 VA		0.00%		0 VA		Total Est. Demand: 11103 VA				
Receptacle		5960 VA		100.00%		5960 VA		Total Conn.: 53 A				
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 53 A				
Notes:												
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED												

D
C
B
A
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Branch Panel: L19

Location: UNIT 19 13

Supply From: MCD2

Mounting: SURFACE

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	REC-RV	50 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	1080 VA	1	20 A	REC-UNIT 19	4
5				0 VA	900 VA			1	20 A	REC-UNIT 19	6
7	FUTURE ELECTRIC CAR CHARGER	60 A	2			0 VA	451 VA	1	20 A	LTS-UNIT 19	8
9				0 VA	0 VA			1	20 A	SPARE	10
11	FUTURE 5HP AIR COMPRESSOR	60 A	2			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	916 VA				40
41	MHP-A/WM-A	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42
Total Load:				5007 VA		4457 VA					
Total Amps:				47 A		43 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: 9464 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 9464 VA			
Receptacle		2340 VA		100.00%		2340 VA		Total Conn.: 45 A			
Lighting		451 VA		100.00%		451 VA		Total Est. Demand: 45 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L20

Location: UNIT 20 14

Supply From: MCD2

Mounting: SURFACE

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	A		C		Poles	Trip	Circuit Description	CKT
1				180 VA	1180 VA			1	20 A	Equipment	2
3	REC-RV	50 A	2			180 VA	900 VA	1	20 A	REC-UNIT 20	4
5				0 VA	900 VA			1	20 A	REC-UNIT 20	6
7	FUTURE ELECTRIC CAR CHARGER	60 A	2			0 VA	451 VA	1	20 A	LTS-UNIT 20	8
9				0 VA	0 VA			1	20 A	SPARE	10
11	FUTURE 5HP AIR COMPRESSOR	60 A	2			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	--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1	--	0 VA	--	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	916 VA				40
41	MHP-A/WM-A	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42
Total Load:				5007 VA		4277 VA					
Total Amps:				47 A		41 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:		9284 VA	
Other		0 VA		0.00%		0 VA		Total Est. Demand:		9284 VA	
Receptacle		2160 VA		100.00%		2160 VA		Total Conn.:		45 A	
Lighting		451 VA		100.00%		451 VA		Total Est. Demand:		45 A	
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: L21												
Location: UNIT 21 15				Volts: 120/208 Single				A.I.C. Rating: 22,000				
Supply From: MCD1				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	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2	
3						180 VA	900 VA	1	20 A	REC-UNIT 21	4	
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	720 VA			1	20 A	REC-UNIT 21	6	
7						0 VA	301 VA	1	20 A	LTS-UNIT 21	8	
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	0 VA			1	20 A	SPARE	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:				3911 VA		3212 VA						
Total Amps:				37 A		31 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: 7123 VA				
Other		0 VA		0.00%		0 VA		Total Est. Demand: 7123 VA				
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 34 A				
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 34 A				
Notes:												
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED												

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Branch Panel: L27

Location: UNIT 27 21

Supply From: MCD1

Mounting: SURFACE

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	A		B		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	720 VA	1	20 A	REC-UNIT 27	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	900 VA			1	20 A	REC-UNIT 27	6
7						0 VA	451 VA	1	20 A	LTS-UNIT 27	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	0 VA			1	20 A	SPARE	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	--	0 VA	1	20 A	SPARE	16
17	SPACE	--	1	--	0 VA			1	20 A	SPARE	18
19	SPACE	--	1	--	0 VA	--	0 VA	1	20 A	SPARE	20
21	SPACE	--	1	--	0 VA			1	20 A	SPARE	22
23	SPACE	--	1	--	0 VA	--	0 VA	1	20 A	SPARE	24
25	SPACE	--	1	--	0 VA			1	20 A	SPARE	26
27	SPACE	--	1	--	0 VA	--	0 VA	1	20 A	SPARE	28
29	SPACE	--	1	--	0 VA			1	20 A	SPARE	30
31	SPACE	--	1	--	0 VA	--	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-A/WM-A	40
41				916 VA	916 VA						42
Total Load:				5007 VA		4097 VA					
Total Amps:				47 A		39 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:		9104 VA	
Other		0 VA		0.00%		0 VA		Total Est. Demand:		9104 VA	
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.:		44 A	
Lighting		451 VA		100.00%		451 VA		Total Est. Demand:		44 A	
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED											

Branch Panel: HPD1													
Location:				Volts: 120/208 Wye				A.I.C. Rating: 22,000					
Supply From: MCD1				Phases: 3				Mains Type: MLO					
Mounting: SURFACE				Wires: 4				Mains Rating: 100 A					
Enclosure: NEMA 3R								MCB Rating: N/A					
Notes:													
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-EXTERIOR	20 A	1	900 VA	376 VA					1	20 A	LTS-EXTERIOR	2
3	SPARE	20 A	1			0 VA	337 VA			1	20 A	LTS-EXTERIOR	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	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	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:				1276 VA		337 VA		0 VA					
Total Amps:				11 A		3 A		0 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Receptacle		900 VA		100.00%		900 VA							
Lighting		713 VA		100.00%		713 VA							
								Total Conn. Load: 1613 VA					
								Total Est. Demand: 1613 VA					
								Total Conn.: 4 A					
								Total Est. Demand: 4 A					
Notes:													

Branch Panel: HPD2

Location:

Supply From: MCD2

Mounting: SURFACE

Enclosure: NEMA 3R

Volts: 120/208 Single

Phases: 1

Wires: 3

A.I.C. Rating: 22,000

Mains Type: MLO

Mains Rating: 150 A

MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	REC-EXTERIOR	20 A	1	540 VA	235 VA			1	20 A	LTS-EXTERIOR	2
3	SPARE	20 A	1			0 VA	336 VA	1	20 A	LTS-EXTERIOR	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	SPARE	20 A	1	0 VA	--			1	--	SPACE	14
15	SPACE	--	1			--	--	1	--	SPACE	16
17	SPACE	--	1	--	--			1	--	SPACE	18
19	SPACE	--	1			--	--	1	--	SPACE	20
21	SPACE	--	1	--	3050 VA			2	100 A	PANEL 'HPPE'	22
23	SPACE	--	1			--	2537 VA				24
Total Load:				3825 VA		2873 VA					
Total Amps:				36 A		28 A					

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	35 VA	100.00%	35 VA		
Receptacle	900 VA	100.00%	900 VA	Total Conn. Load:	6697 VA
Power	4160 VA	100.00%	4160 VA	Total Est. Demand:	5697 VA
Lighting	1602 VA	100.00%	1602 VA	Total Conn.:	32 A
				Total Est. Demand:	32 A

Notes:



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Branch Panel: L32													
Location: UNIT 32 46				Volts: 120/208 Single				A.I.C. Rating: 22,000					
Supply From: MCE1				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	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2		
3						180 VA	720 VA	1	20 A	REC-UNIT 32	4		
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 32	6		
7						0 VA	720 VA	1	20 A	REC-UNIT 32	8		
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	451 VA			1	20 A	LTS-UNIT 32	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	SPACE	--	1			--	0 VA	1	20 A	SPARE	36		
37	SPACE	--	1	--	0 VA			1	20 A	SPARE	38		
39	SPACE	--	1			--	0 VA	1	20 A	SPARE	40		
41	SPACE	--	1	--	0 VA			1	20 A	SPARE	42		
43	SPACE	--	1			--	0 VA	1	20 A	SPARE	44		
45	SPACE	--	1	--	0 VA			1	20 A	SPARE	46		
47	MHP-A/WM-A	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	48		
49				916 VA	0 VA			1	20 A	SPARE	50		
51	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	52		
53				916 VA	916 VA						54		
Total Load:				5097 VA		4367 VA							
Total Amps:				48 A		42 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: 9464 VA					
Other		0 VA		0.00%		0 VA		Total Est. Demand: 9464 VA					
Receptacle		2340 VA		100.00%		2340 VA		Total Conn.: 45 A					
Lighting		451 VA		100.00%		451 VA		Total Est. Demand: 45 A					
Notes:													
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED													

Branch Panel: L33

Location: UNIT 33 27

Supply From: MCE1

Mounting: SURFACE

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	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	540 VA	1	20 A	REC-UNIT 33	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 33	6
7						0 VA	540 VA	1	20 A	REC-UNIT 33	8
9	FUTURE SHP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 33	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:				4032 VA		3091 VA					
Total Amps:				38 A		30 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: 7123 VA
Other	0 VA	0.00%	0 VA	Total Est. Demand: 7123 VA
Receptacle	1980 VA	100.00%	1980 VA	Total Conn.: 34 A
Lighting	301 VA	100.00%	301 VA	Total Est. Demand: 34 A

Notes:

① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED

Branch Panel: L34

Location: UNIT 34 28

Supply From: MCE1

Mounting: SURFACE

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	A		B		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	540 VA	1	20 A	REC-UNIT 34	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 34	6
7						0 VA	540 VA	1	20 A	REC-UNIT 34	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 34	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:				4032 VA		3091 VA					
Total Amps:				38 A		30 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:	7123 VA
Other	0 VA	0.00%	0 VA	Total Est. Demand:	7123 VA
Receptacle	1980 VA	100.00%	1980 VA	Total Conn.:	34 A
Lighting	301 VA	100.00%	301 VA	Total Est. Demand:	34 A

Notes:

① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT FURNISHED

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Branch Panel: L36												
Location: UNIT 36 30				Volts: 120/208 Single				A.I.C. Rating: 22,000				
Supply From: MCE2				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	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2	
3						180 VA	540 VA	1	20 A	REC-UNIT 36	4	
5				0 VA	540 VA			1	20 A	REC-UNIT 36	6	
7	FUTURE ELECTRIC CAR CHARGER	60 A	2			0 VA	540 VA	1	20 A	REC-UNIT 36	8	
9				0 VA	451 VA			1	20 A	LTS-UNIT 36	10	
11	FUTURE 5HP AIR COMPRESSOR	60 A	2			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	916 VA				40	
41	MHP-A/WM-A	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42	
Total Load:				5097 VA		4007 VA						
Total Amps:				48 A		39 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: 9104 VA				
Other		0 VA		0.00%		0 VA		Total Est. Demand: 9104 VA				
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 44 A				
Lighting		451 VA		100.00%		451 VA		Total Est. Demand: 44 A				
Notes:												
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED												

Branch Panel: L37

Location: UNIT 37 31

Supply From: MCE2

Mounting: SURFACE

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	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	540 VA	1	20 A	REC-UNIT 37	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 37	6
7						0 VA	540 VA	1	20 A	REC-UNIT 37	8
9	SPARE	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 37	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:				4032 VA		3091 VA					
Total Amps:				38 A		30 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: 7123 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 7123 VA			
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 34 A			
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 34 A			

Notes:

① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED

Branch Panel: L38												
Location: UNIT 38 32				Volts: 120/208 Single				A.I.C. Rating: 22,000				
Supply From: MCE2				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	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2	
3						180 VA	540 VA	1	20 A	REC-UNIT 38	4	
5				0 VA	540 VA			1	20 A	REC-UNIT 38	6	
7	FUTURE ELECTRIC CAR CHARGER	60 A	2			0 VA	540 VA	1	20 A	REC-UNIT 38	8	
9	SPARE	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 38	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:				4032 VA		3091 VA						
Total Amps:				38 A		30 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: 7123 VA				
Other		0 VA		0.00%		0 VA		Total Est. Demand: 7123 VA				
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 34 A				
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 34 A				
Notes:												
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED												

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Branch Panel: L40

Location: UNIT 40 9

Supply From: MCE2

Mounting: SURFACE

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	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	540 VA	1	20 A	REC-UNIT 40	4
5				0 VA	540 VA			1	20 A	REC-UNIT 40	6
7	FUTURE ELECTRIC CAR CHARGER	60 A	2			0 VA	540 VA	1	20 A	REC-UNIT 40	8
9				0 VA	451 VA			1	20 A	LTS-UNIT 40	10
11	SPARE	60 A	2			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	916 VA				40
41	MHP-A/WM-A	25 A ①	2	916 VA	916 VA			2	25 A ①	MHP-A/WM-A	42
Total Load:				5097 VA		4007 VA					
Total Amps:				48 A		39 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:		9104 VA	
Other		0 VA		0.00%		0 VA		Total Est. Demand:		9104 VA	
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.:		44 A	
Lighting		451 VA		100.00%		451 VA		Total Est. Demand:		44 A	
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

Branch Panel: HPE1

Location:

Supply From: MCE1

Mounting: SURFACE

Enclosure: NEMA 3R

Volts: 120/208 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 22,000

Mains Type: MLO

Mains Rating: 100 A

MCB Rating: N/A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-EXTERIOR	20 A	1	720 VA	329 VA					1	20 A	LTS-EXTERIOR	2
3	SPARE	20 A	1			0 VA	384 VA			1	20 A	LTS-EXTERIOR	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	--	0 VA					1	20 A	SPARE	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:				1049 VA		384 VA		0 VA					
Total Amps:				9 A		4 A		0 A					

Load Classification

Connected Load

Demand Factor

Estimated Demand

Panel Totals

Receptacle	720 VA	100.00%	720 VA	
Lighting	713 VA	100.00%	713 VA	
				Total Conn. Load: 1433 VA
				Total Est. Demand: 1433 VA
				Total Conn.: 4 A
				Total Est. Demand: 4 A

Notes:

Branch Panel: HPE2													
Location:				Volts: 120/208 Single				A.I.C. Rating: 22,000					
Supply From: MCE2				Phases: 1				Mains Type: MLO					
Mounting: SURFACE				Wires: 3				Mains Rating: 150 A					
Enclosure: NEMA 3R								MCB Rating: N/A					
Notes:													
CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT		
1	REC-EXTERIOR	20 A	1	720 VA	336 VA			1	20 A	LTS-EXTERIOR	2		
3	SPARE	20 A	1			0 VA	235 VA	1	20 A	LTS-EXTERIOR	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	--	2624 VA						22		
23	SPACE	--	1			--	2112 VA	2	100 A	HPPW	24		
Total Load:				3679 VA		2347 VA							
Total Amps:				34 A		23 A							
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Other		35 VA		100.00%		35 VA							
Receptacle		1080 VA		100.00%		1080 VA		Total Conn. Load:		6026 VA			
Power		4160 VA		100.00%		4160 VA		Total Est. Demand:		6026 VA			
Lighting		751 VA		100.00%		751 VA		Total Conn.:		29 A			
								Total Est. Demand:		29 A			
Notes:													

Branch Panel: HPPW			
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Branch Panel: L41											
Location: UNIT 41 37 Supply From: MCF Mounting: SURFACE 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	A		B		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	540 VA	1	20 A	REC-UNIT 41	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 41	6
7						0 VA	540 VA	1	20 A	REC-UNIT 41	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 41	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-A/WM-A	40
41				916 VA	916 VA						42
Total Load:				4947 VA		4007 VA					
Total Amps:				46 A		39 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: 8954 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 8954 VA			
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 43 A			
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 43 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

Branch Panel: L42											
Location: UNIT 42 36 Supply From: MCF Mounting: SURFACE 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	REC-RV	50 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	540 VA	1	20 A	REC-UNIT 42	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 42	6
7						0 VA	540 VA	1	20 A	REC-UNIT 42	8
9	FUTURE SHP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 42	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:				4032 VA		3091 VA					
Total Amps:				38 A		30 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: 7123 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 7123 VA			
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.: 34 A			
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 34 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

Branch Panel: L43

Location: UNIT 43 35

Supply From: MCF

Mounting: SURFACE

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	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	180 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						180 VA	540 VA	1	20 A	REC-UNIT 43	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 43	6
7						0 VA	540 VA	1	20 A	REC-UNIT 43	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 43	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	--	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:				4032 VA		3091 VA					
Total Amps:				38 A		30 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:		7123 VA	
Other		0 VA		0.00%		0 VA		Total Est. Demand:		7123 VA	
Receptacle		1980 VA		100.00%		1980 VA		Total Conn.:		34 A	
Lighting		301 VA		100.00%		301 VA		Total Est. Demand:		34 A	
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

Branch Panel: L44											
Location: UNIT 44 34 Supply From: MCF Mounting: SURFACE 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	A		B		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	2496 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						2496 VA	720 VA	1	20 A	REC-UNIT 44	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 44	6
7						0 VA	720 VA	1	20 A	REC-UNIT 44	8
9	FUTURE 5HP AIR COMPRESOR	60 A	2	0 VA	451 VA			1	20 A	LTS-UNIT 44	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	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	36
37	SPACE	--	1	--	0 VA			1	20 A	SPARE	38
39	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	40
41	SPACE	--	1	--	0 VA			1	20 A	SPARE	42
43	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	44
45	SPACE	--	1	--	0 VA			1	20 A	SPARE	46
47	MHP-A/WM-A	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	48
49				916 VA	0 VA			1	20 A	SPARE	50
51	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	52
53				916 VA	916 VA						54
Total Load:				7413 VA		6683 VA					
Total Amps:				70 A		64 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: 14096 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 14096 VA			
Receptacle		6972 VA		100.00%		6972 VA		Total Conn.: 68 A			
Lighting		451 VA		100.00%		451 VA		Total Est. Demand: 68 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

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Branch Panel: L45											
Location: UNIT 45 33				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCF				Phases: 1				Mains Type: MLO			
Mounting: SURFACE				Wires: 3				Mains Rating: 250 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	2496 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						2496 VA	720 VA	1	20 A	REC-UNIT 45	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 45	6
7						0 VA	540 VA	1	20 A	REC-UNIT 45	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 45	10
11						0 VA	701 VA	1	20 A	LTS-UNIT 45	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	SPACE	--	1	--		0 VA		1	20 A	SPARE	36
37	SPACE	--	1	--	0 VA			1	20 A	SPARE	38
39	SPACE	--	1	--		0 VA		1	20 A	SPARE	40
41	SPACE	--	1	--	0 VA			1	20 A	SPARE	42
43	SPACE	--	1	--		0 VA		1	20 A	SPARE	44
45	SPACE	--	1	--	0 VA			1	20 A	SPARE	46
47	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	48
49				916 VA	916 VA						50
51	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	52
53				916 VA	916 VA						54
Total Load:				8418 VA		8119 VA					
Total Amps:				81 A		78 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals			
Equipment		1180 VA		100.00%		1180 VA					
HVAC		7324 VA		100.00%		7324 VA		Total Conn. Load: 16537 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 16537 VA			
Receptacle		7332 VA		100.00%		7332 VA		Total Conn.: 80 A			
Lighting		701 VA		100.00%		701 VA		Total Est. Demand: 80 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

Branch Panel: L46											
Location: UNIT 46 38				Volts: 120/208 Single				A.I.C. Rating: 22,000			
Supply From: MCF				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	2496 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						2496 VA	720 VA	1	20 A	REC-UNIT 46	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 46	6
7						0 VA	540 VA	1	20 A	REC-UNIT 46	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	451 VA			1	20 A	LTS-UNIT 46	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	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	36
37	SPACE	--	1	--	0 VA			1	20 A	SPARE	38
39	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	40
41	SPACE	--	1	--	0 VA			1	20 A	SPARE	42
43	SPACE	--	1	--		--	0 VA	1	20 A	SPARE	44
45	SPACE	--	1	--	0 VA			1	20 A	SPARE	46
47	MHP-A/WM-A	25 A ①	2			916 VA	0 VA	1	20 A	SPARE	48
49					916 VA	0 VA			1	20 A	SPARE
51	MHP-A/WM-A	25 A ①	2			916 VA	916 VA	2	25 A ①	MHP-A/WM-A	52
53					916 VA	916 VA					
Total Load:				7413 VA		6503 VA					
Total Amps:				70 A		63 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					
Other		0 VA		0.00%		0 VA		Total Conn. Load: 13916 VA			
Receptacle		6792 VA		100.00%		6792 VA		Total Est. Demand: 13916 VA			
Lighting		451 VA		100.00%		451 VA		Total Conn.: 67 A			
								Total Est. Demand: 67 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

Branch Panel: L47

Location: UNIT 47 39

Supply From: MCF

Mounting: SURFACE

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	A		B		Poles	Trip	Circuit Description	CKT
1	REC-RV	50 A	2	2080 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						2080 VA	540 VA	1	20 A	REC-UNIT 47	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA			1	20 A	REC-UNIT 47	6
7						0 VA	540 VA	1	20 A	REC-UNIT 47	8
9	FUTURE 5HP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 47	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:				5932 VA		4991 VA					
Total Amps:				56 A		48 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:	10923 VA
Other	0 VA	0.00%	0 VA	Total Est. Demand:	10923 VA
Receptacle	5780 VA	100.00%	5780 VA	Total Conn.:	53 A
Lighting	301 VA	100.00%	301 VA	Total Est. Demand:	53 A

Notes:

① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED

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Branch Panel: L49

Location: UNIT 49 41

Supply From: MCF

Mounting: SURFACE

Enclosure: NEMA 1

Volts: 120/208 Single

Phases: 1

Wires: 3

A.I.C. Rating: 22,000

Mains Type: MLO

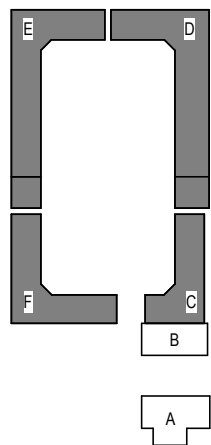
Mains Rating: 225 A

MCB Rating: N/A

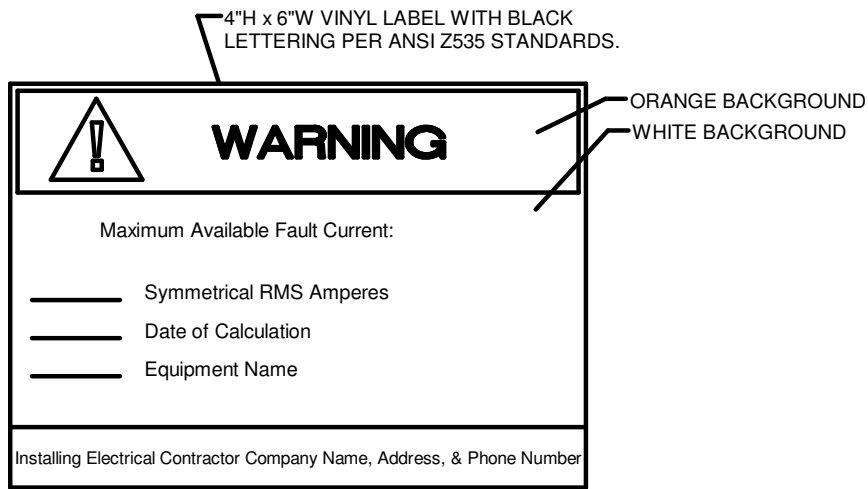
Notes:

CKT	Circuit Description	Trip	Poles	A		C		Poles	Trip	Circuit Description	CKT
1	REC-RV	60 A	2	2496 VA	1180 VA			1	20 A	MOTORIZED DOOR	2
3						2496 VA	540 VA	1	20 A	REC-UNIT 49	4
5	FUTURE ELECTRIC CAR CHARGER	60 A	2	0 VA	540 VA	0 VA	540 VA	1	20 A	REC-UNIT 49	6
7						0 VA	540 VA	1	20 A	REC-UNIT 49	8
9	FUTURE SHP AIR COMPRESSOR	60 A	2	0 VA	301 VA			1	20 A	LTS-UNIT 49	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:				6348 VA		5407 VA					
Total Amps:				60 A		52 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: 11755 VA			
Other		0 VA		0.00%		0 VA		Total Est. Demand: 11755 VA			
Receptacle		6612 VA		100.00%		6612 VA		Total Conn.: 57 A			
Lighting		301 VA		100.00%		301 VA		Total Est. Demand: 57 A			
Notes:											
① HACR RATED BREAKER; VERIFY SIZE REQUIRED WITH EQUIPMENT SUPPLIED											

Branch Panel: HPF													
Location:				Volts: 120/208 Wye				A.I.C. Rating: 22,000					
Supply From: MCF				Phases: 3				Mains Type: MLO					
Mounting: SURFACE				Wires: 4				Mains Rating: 100 A					
Enclosure: NEMA 3R								MCB Rating: N/A					
Notes:													
CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC-EXTERIOR	20 A	1	900 VA	423 VA					1	20 A	LTS-EXTERIOR	2
3	SPARE	20 A	1			0 VA	433 VA			1	20 A	LTS-EXTERIOR	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	SPARE	20 A	1	0 VA	0 VA					1	20 A	SPARE	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:				1323 VA		433 VA		0 VA					
Total Amps:				12 A		4 A		0 A					
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Receptacle		900 VA		100.00%		900 VA							
Lighting		856 VA		100.00%		856 VA							
								Total Conn. Load: 1756 VA					
								Total Est. Demand: 1756 VA					
								Total Conn.: 5 A					
								Total Est. Demand: 5 A					
Notes:													



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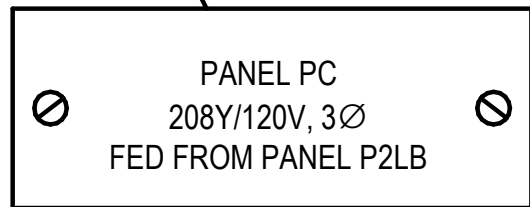


NOTE: IN LIEU OF CALCULATION, AFC FROM SECONDARY SIDE OF UTILITY TRANSFORMER MAY BE USED. COORDINATE W/ UTILITY REPRESENTATIVE.

5 TYPICAL SERVICE EQUIPMENT FAULT CURRENT LABEL DETAIL

E-021 SCALE: NONE

EXAMPLE PANELBOARD LABEL

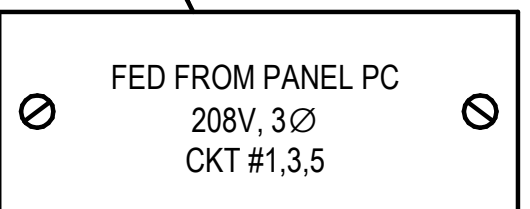


ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS.

4 TYPICAL PANELBOARD LABELING DETAIL

E-021 SCALE: NONE

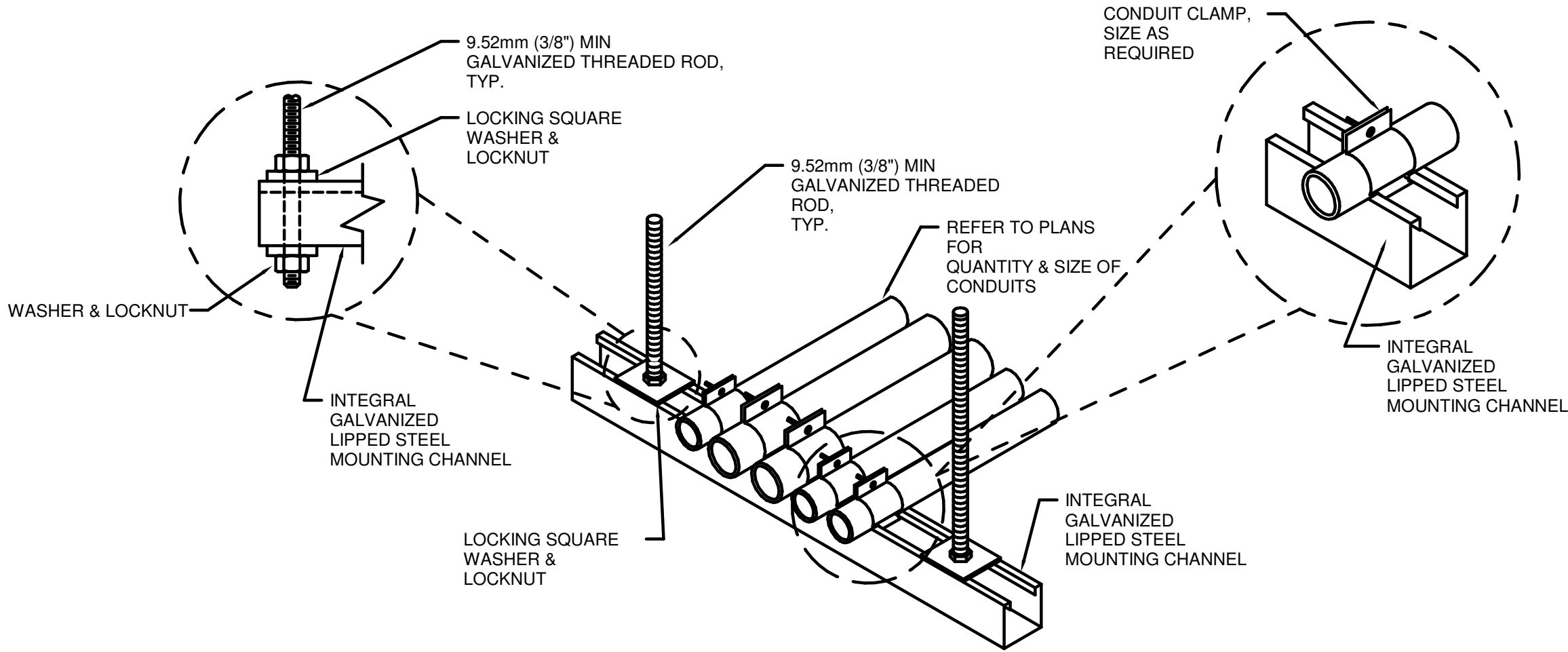
EXAMPLE DISCONNECT LABEL



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.

3 TYPICAL DISCONNECT LABELING DETAIL

E-021 SCALE: NONE

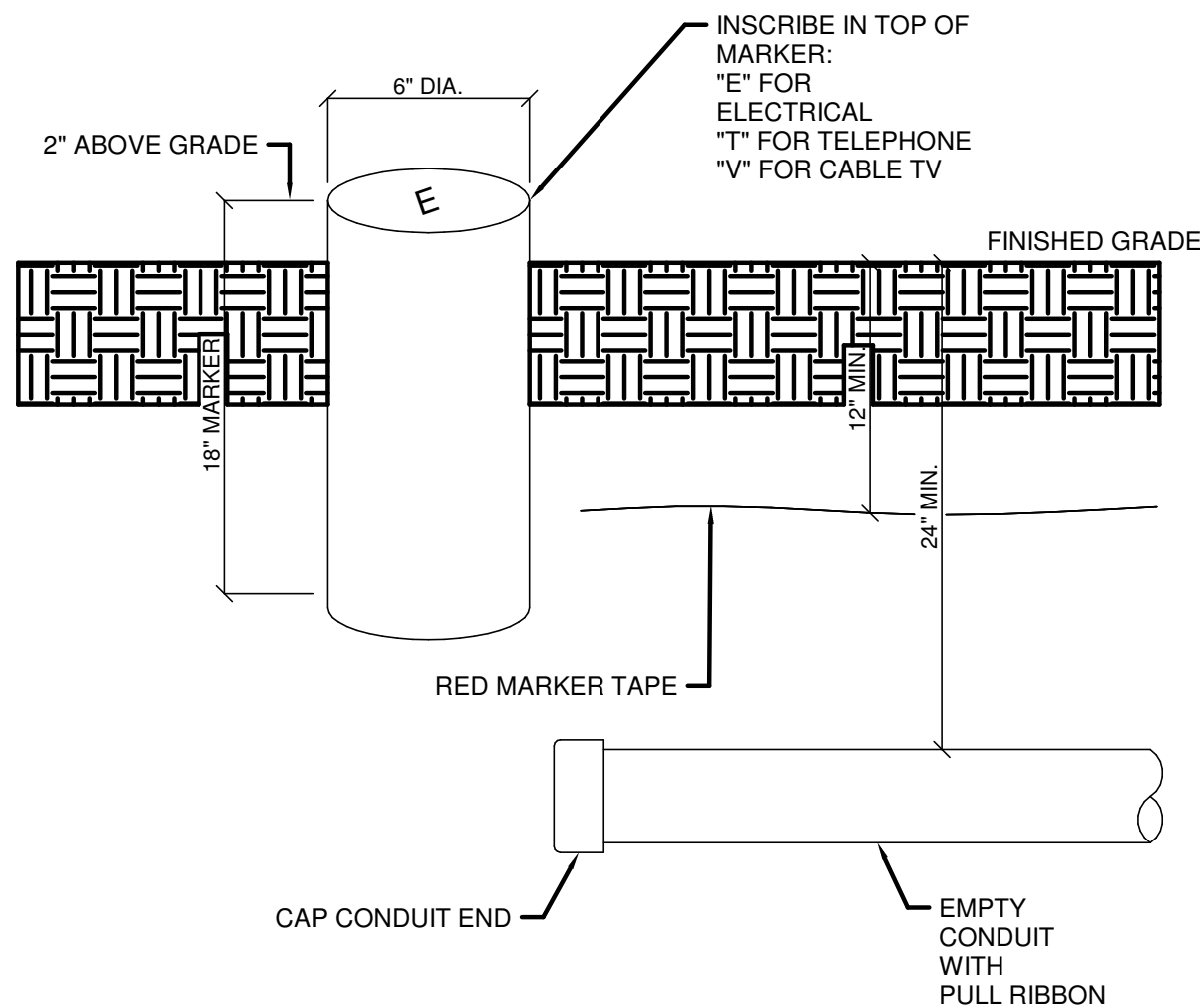


NOTE(S):

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.

2 CONDUIT TRAPEZE MOUNTING DETAIL

E-021 SCALE: NONE

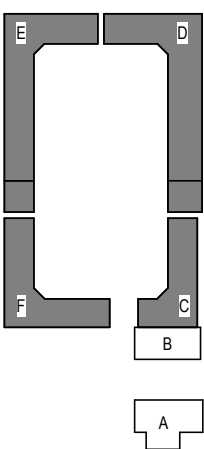


1 CONDUIT MARKER DETAIL

E-021 SCALE: NONE

**WATFORD
ENGINEERING**

Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-033
Checked By: ALD
Drawn By: CTG



REVISIONS		DATE
NO.	DESCRIPTION	

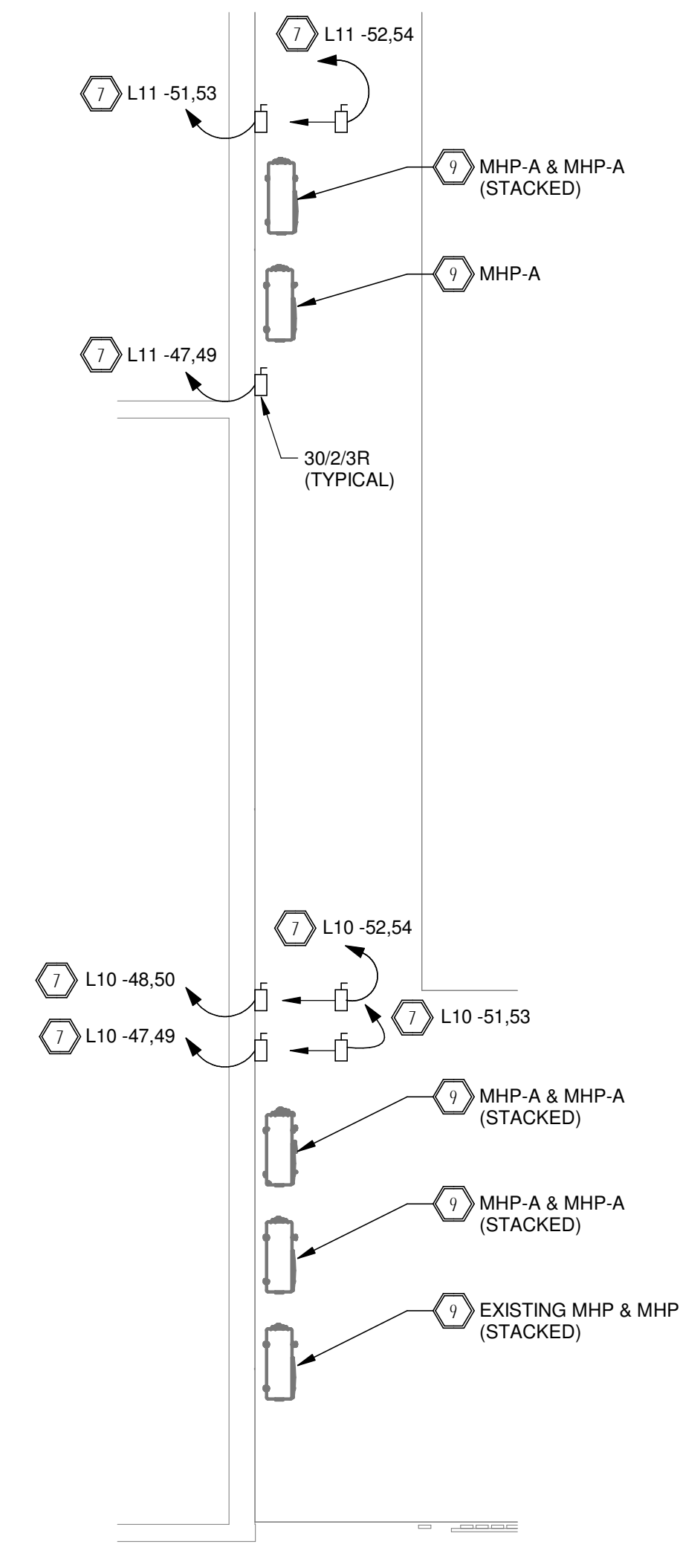
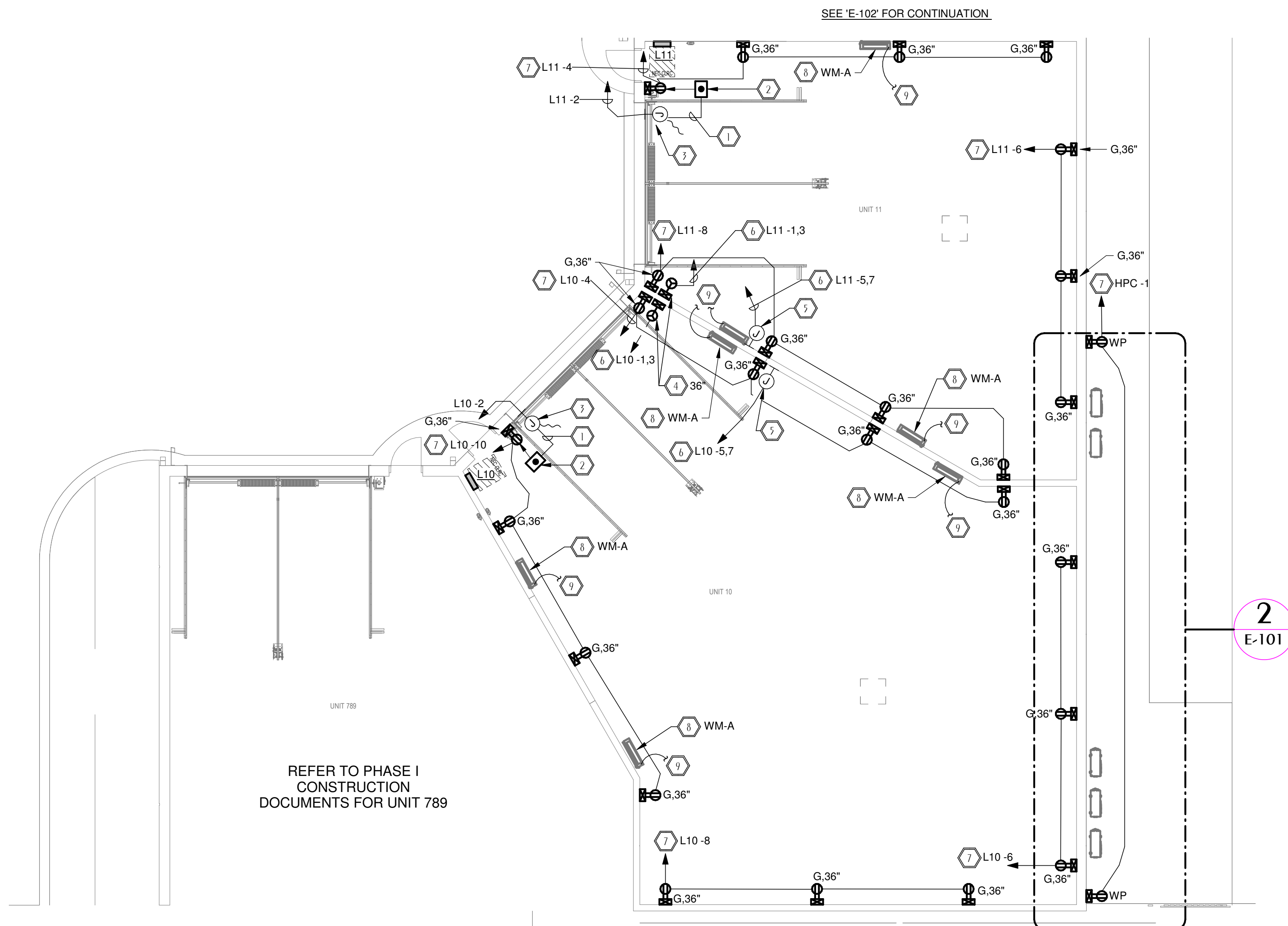
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Dated	10.12.2026

SHEET NOTES

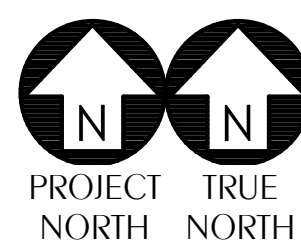
- 1 MOTORIZED DOOR CONTROL WIRING; PRIOR TO BID, VERIFY WIRE, BREAKER, AND CONDUIT SIZES WITH GC/OWNER.
- 2 EC SHALL COORDINATE WITH EQUIPMENT SUPPLIER FOR INSTALLATION OF CONTROL SWITCHES FOR ROLL-UP DOORS. SWITCHES TO BE FURNISHED BY EQUIPMENT SUPPLIER. COORDINATE FOR EXACT REQUIREMENTS FOR CONTROL 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 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.
- 6 EC SHALL INSTALL 2#6, 1#6N, 1#10GND IN 1" CONDUIT,
- 7 EC SHALL INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.
- 8 PER MECHANICAL DESIGN, INDOOR UNIT TO BE PROVIDED WITH INTEGRAL DISCONNECT
- 9 PER MECHANICAL DESIGN, INDOOR UNIT IS TO BE POWERED VIA OUTDOOR UNIT. CONNECT ASSOCIATED UNIT. CIRCUIT SHALL BE 2#12, 1#12GND IN 1" CONDUIT.

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.



2 ENLARGED BLDG C MECH. YARD
E-101 SCALE: 3/16" = 1'-0"



1 ELECTRICAL BLDG C POWER PLAN
E-101 SCALE: 1/8" = 1'-0"



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 5741
850.526.3447
Project Number: 2026-033
Checked By: ALD
Drawn By: CTG

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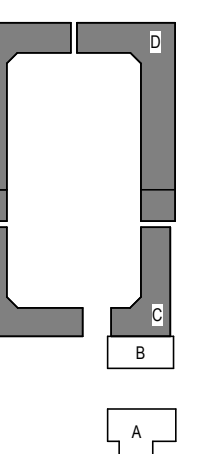
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FOR PERMIT

GROVES & KING, LLC

GARAGES LUXURY AT MIRAMAR - PHASE 2

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



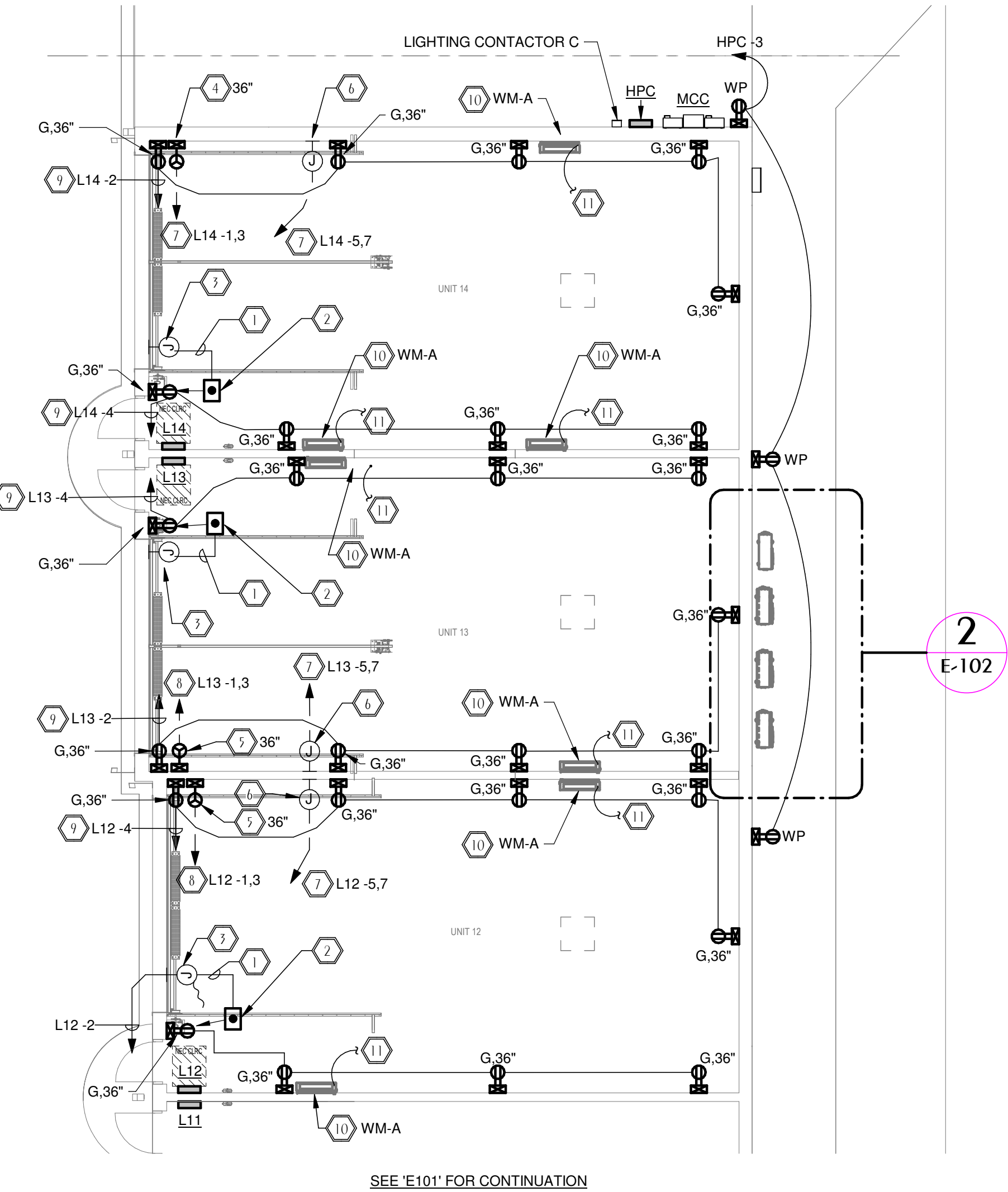
REVISIONS		
NO.	DESCRIPTION	DATE

Project Number	25038A
Dated	10.12.2026

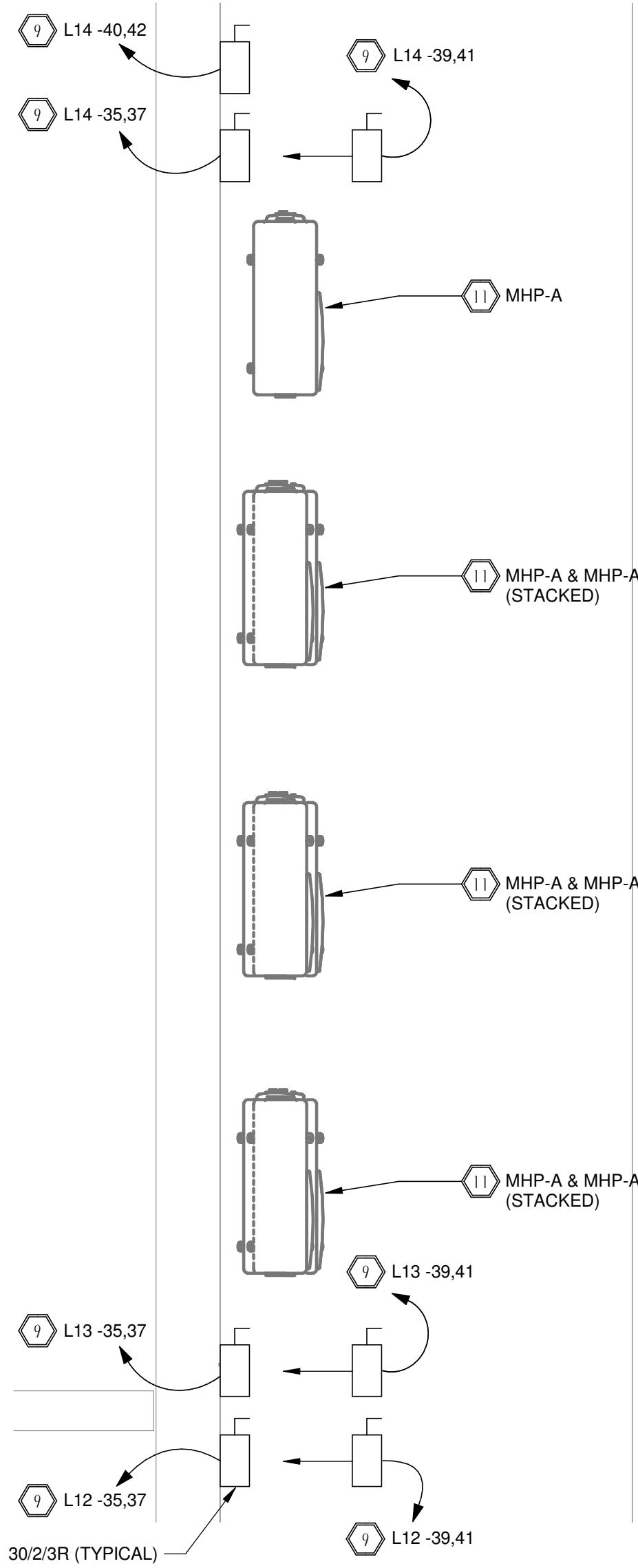
ELECTRICAL
BLDG C POWER
PLAN

E-101

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1 ELECTRICAL BLDG C POWER PLAN CONT.
PROJECT TRUE NORTH NORTH
SCALE: 1/8" = 1'-0"



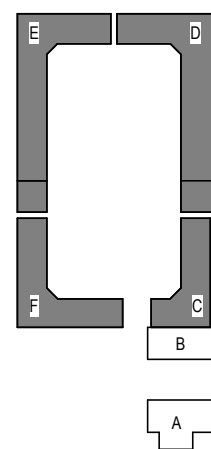
2 ENLARGED BLDG C CONT. MECH. YARD
SCALE: 1/2" = 1'-0"

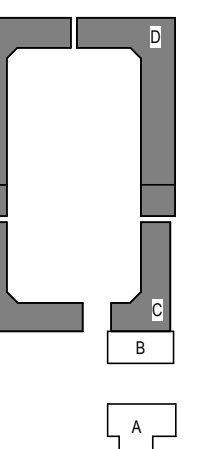
GENERAL NOTES

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SHEET NOTES

- MOTORIZED DOOR CONTROL WIRING; PRIOR TO BID, VERIFY WIRE, BREAKER, AND CONDUIT SIZES WITH GC/OWNER.
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- EC SHALL INSTALL 2#8, 1#8N, 1#10GND IN 1" CONDUIT.
- EC SHALL INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.
- PER MECHANICAL DESIGN, INDOOR UNIT TO BE PROVIDED WITH INTEGRAL DISCONNECT
- PER MECHANICAL DESIGN, INDOOR UNIT IS TO BE POWERED VIA OUTDOOR UNIT. CONNECT ASSOCIATED UNIT. CIRCUIT SHALL BE 2#12, 1#12GND IN 1" CONDUIT.



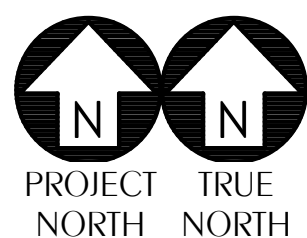
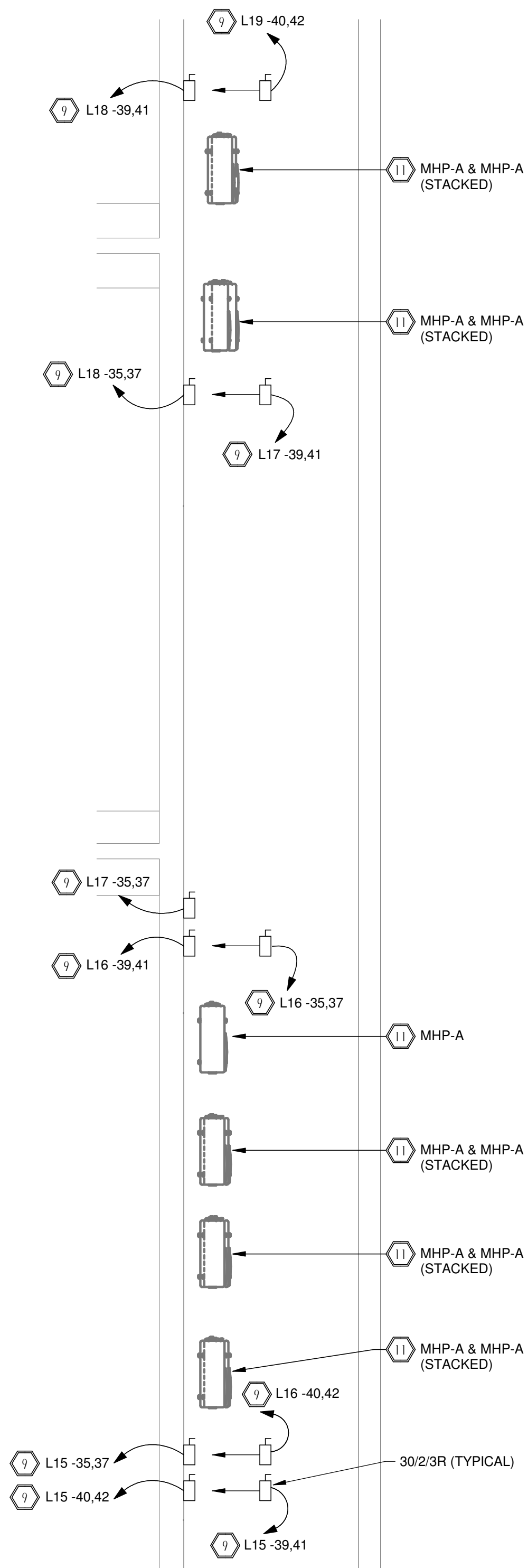
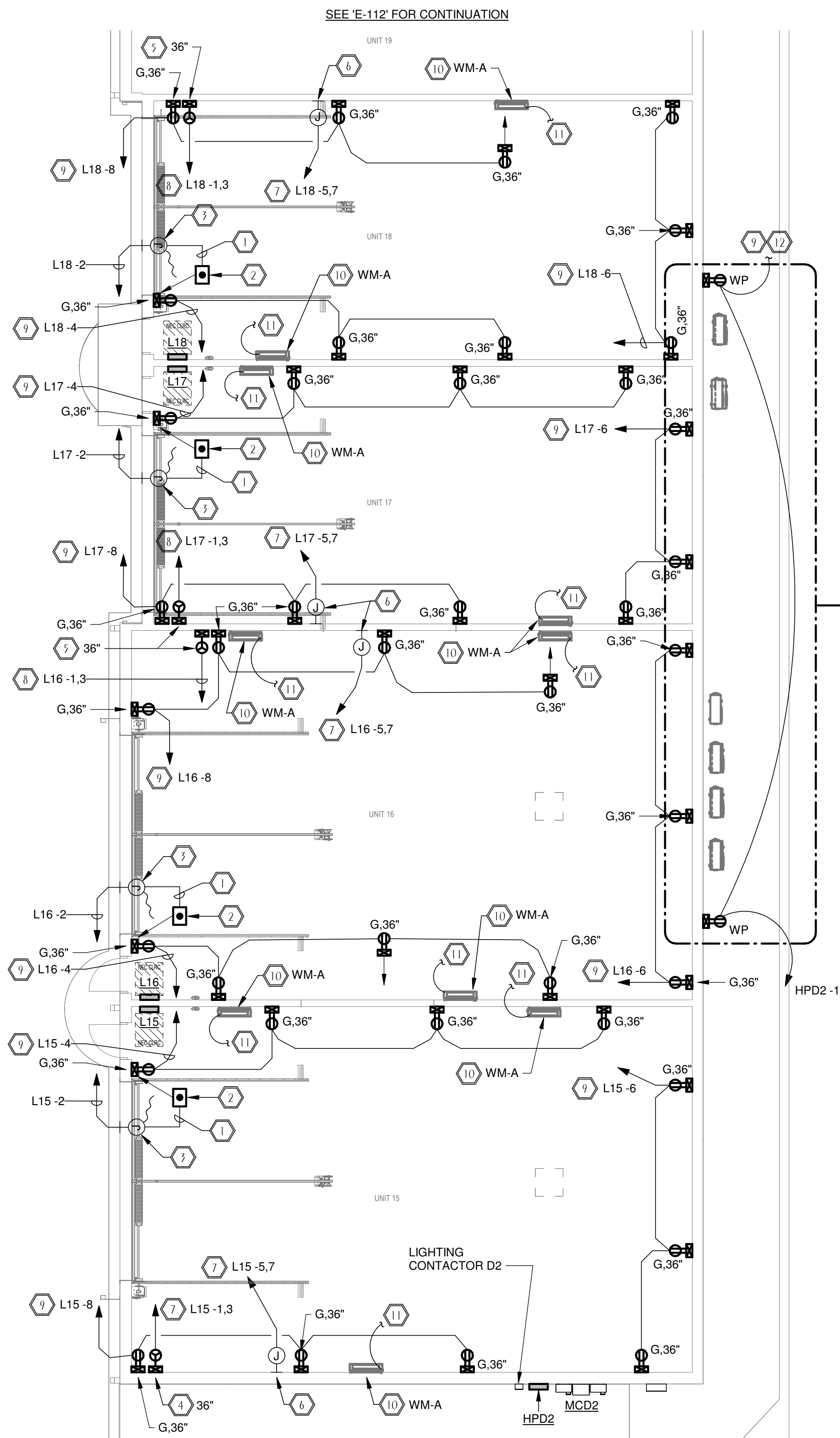
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Project Number	25038A
Dated	10.12.2026

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7. MOTOR CONTROL WIRING; PRIOR TO BID, VERIFY WIRE, BREAKER, AND CONDUIT SIZES WITH GC/OWNER.
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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#10, 1#10GND IN 3/4" CONDUIT.
16. PER MECHANICAL DESIGN, INDOOR UNIT TO BE PROVIDED WITH INTEGRAL DISCONNECT
17. PER MECHANICAL DESIGN, INDOOR UNIT IS TO BE POWERED VIA OUTDOOR UNIT. CONNECT ASSOCIATED UNIT. CIRCUIT SHALL BE 2#12, 1#12GND IN 1" CONDUIT.
18. REFER TO "ELECTRICAL BLDG D POWER PLAN CONT.", SHEET "E-112", FOR CONTINUATION OF CIRCUIT.

E-111 SCALE: 1/4" = 1'-0"

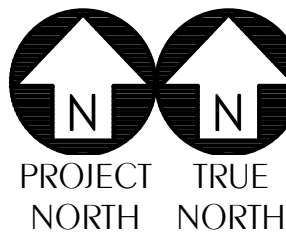
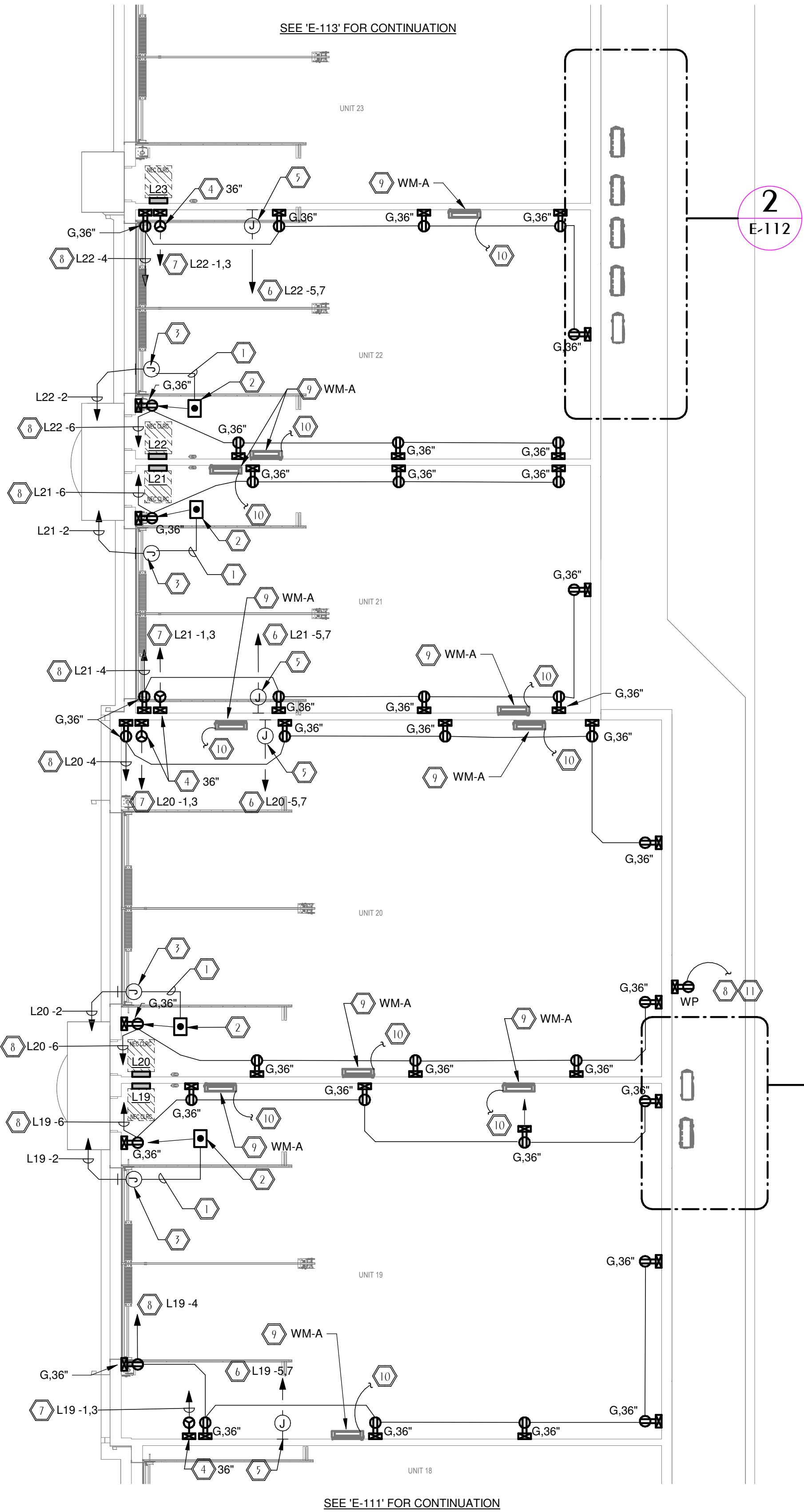


1 ELECTRICAL BLDG D POWER PLAN



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2026-033
Checked By: ALD
Drawn By: CTG

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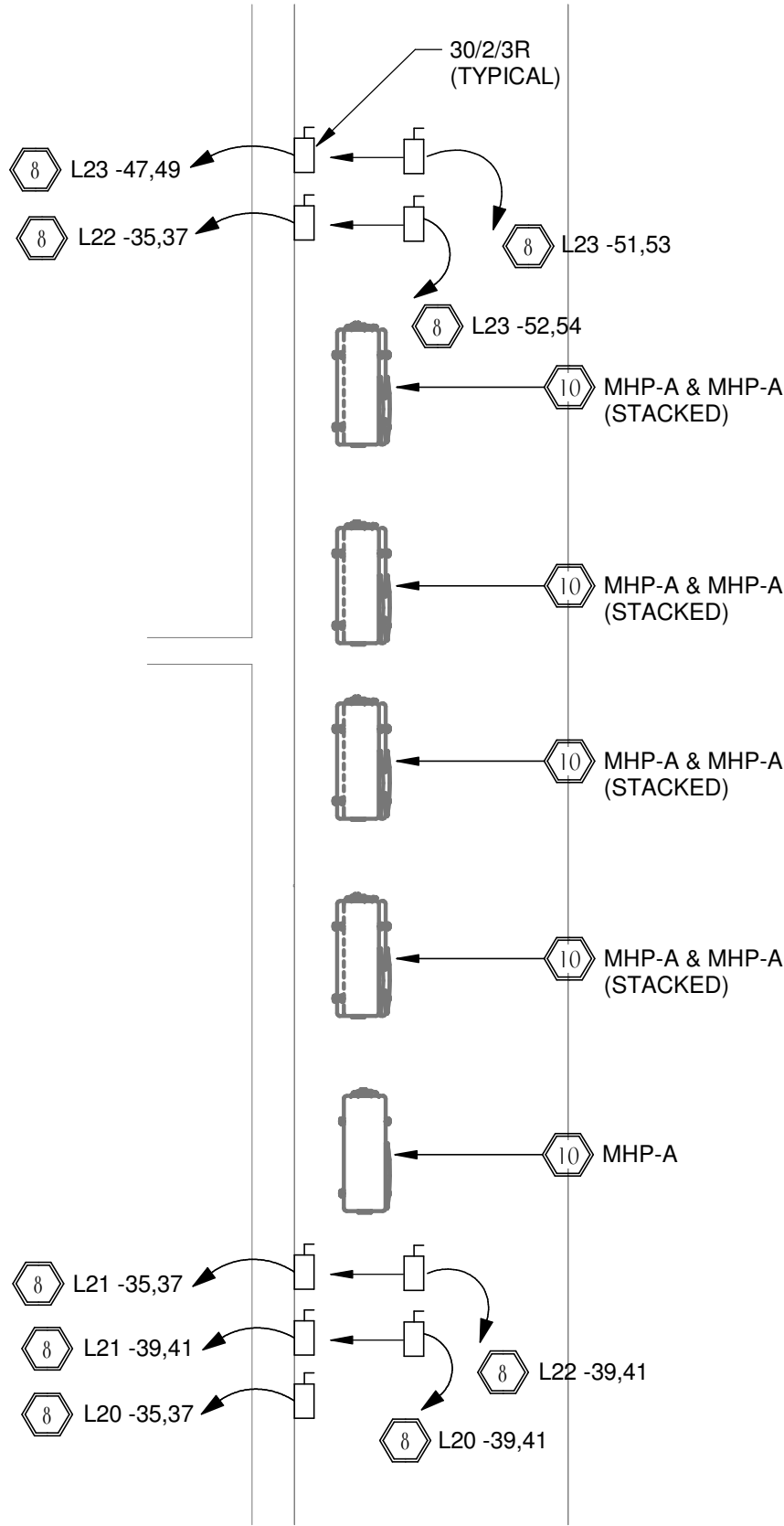


1 ELECTRICAL BLDG D POWER PLAN CONT.

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

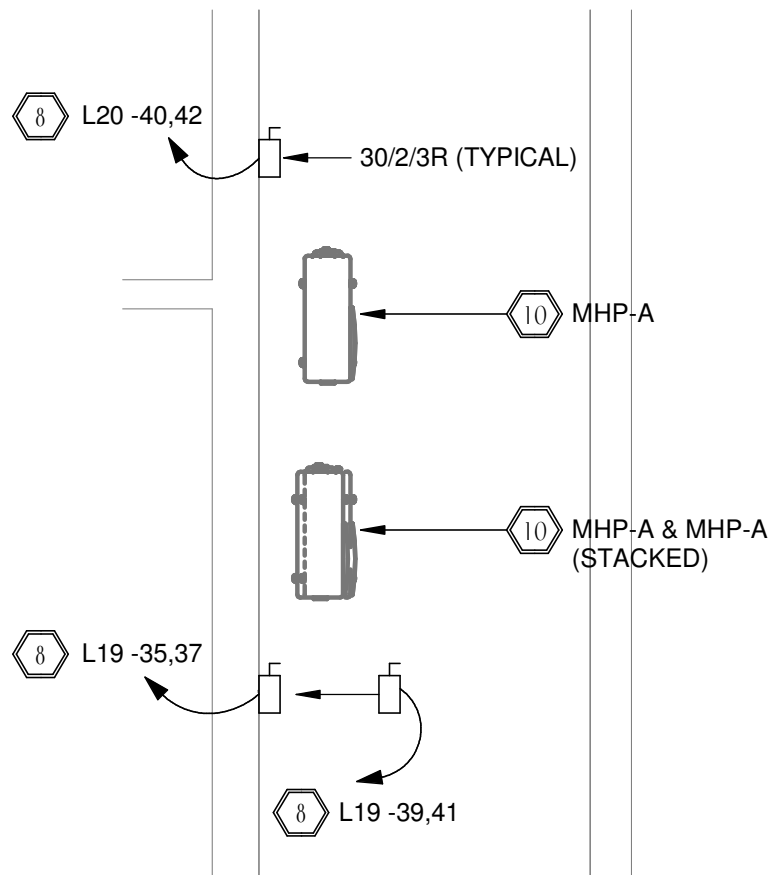
2 ENLARGED BLDG D CONT. MECH. YARD 1

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



3 ENLARGED BLDG D CONT. MECH. YARD 2

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

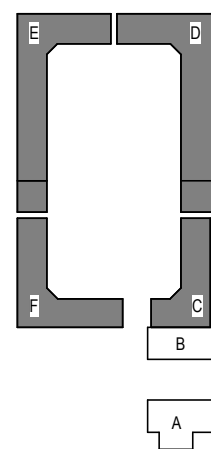


GENERAL NOTES

- 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.
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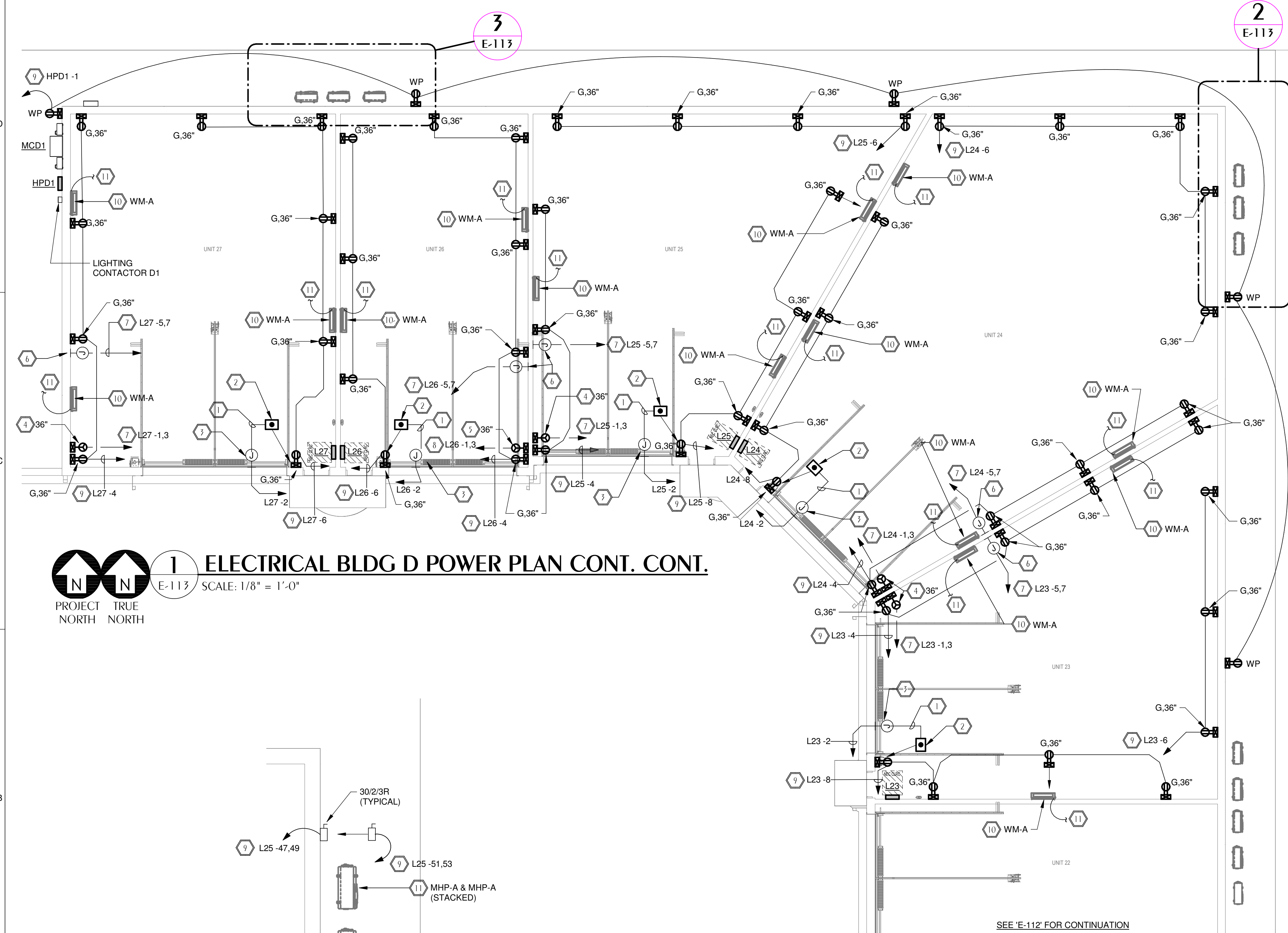
SHEET NOTES

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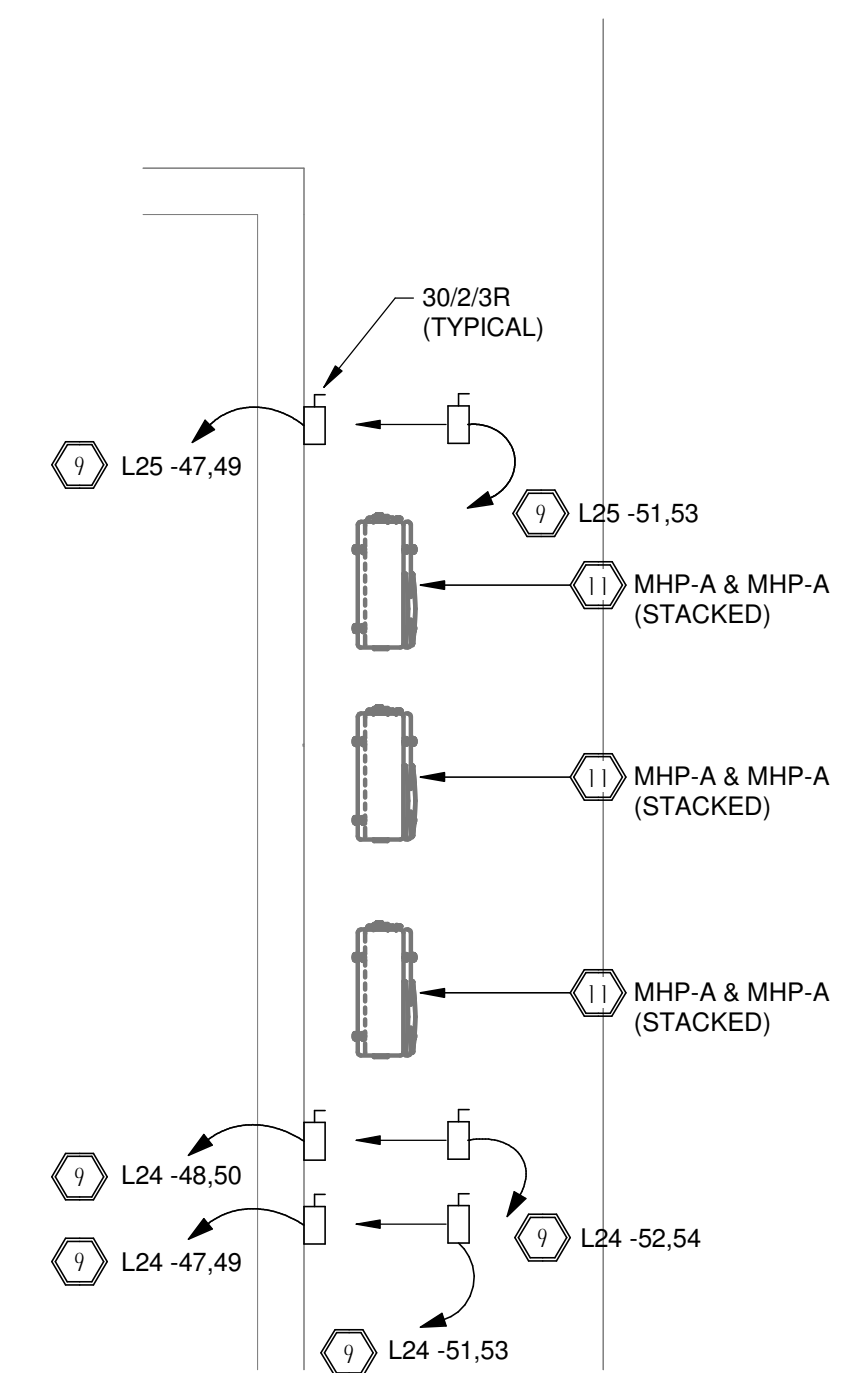


Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-033
Checked By: ALD
Drawn By: CTG

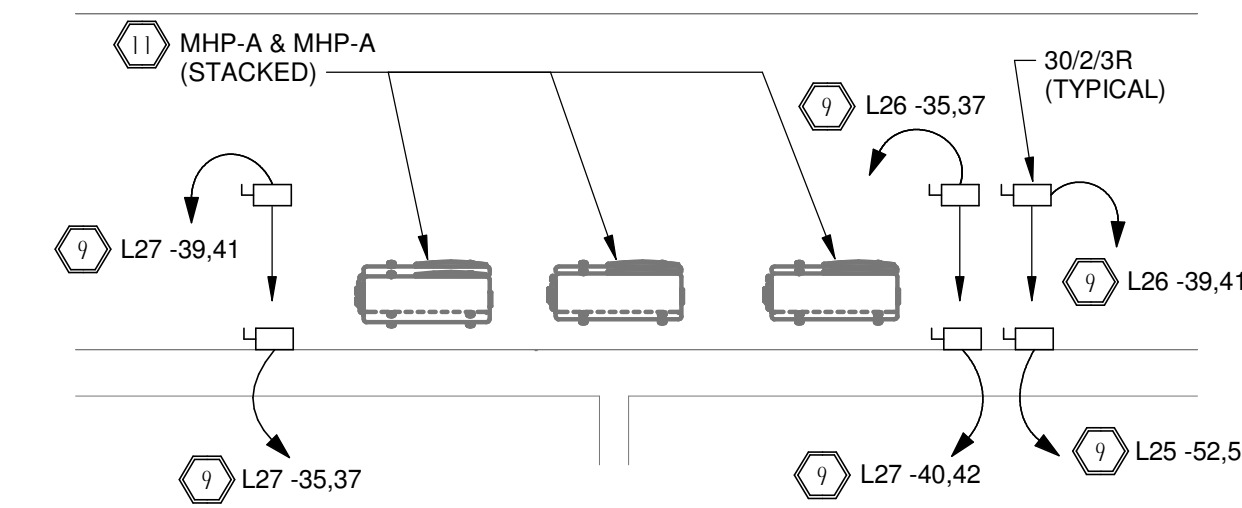
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1 ELECTRICAL BLDG D POWER PLAN CONT. CONT.
SCALE: 1/8" = 1'-0"
PROJECT TRUE NORTH NORTH



2 ENLARGED BLDG D CONT. CONT. MECH. YARD 1
SCALE: 1/4" = 1'-0"



3 ENLARGED BLDG D CONT. CONT. MECH. YARD 2
SCALE: 1/4" = 1'-0"

GENERAL NOTES

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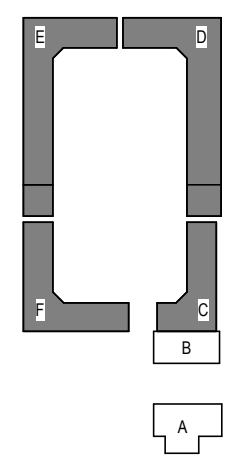
Digital Signature

FOR PERMIT

GROVES & KING, LLC

**GARAGES AT
LUXURY AT
MIRAMAR -
PHASE 2**

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



REVISIONS	NO.	DESCRIPTION	DATE
-----------	-----	-------------	------

Project Number	25038A
Dated	10.12.2026

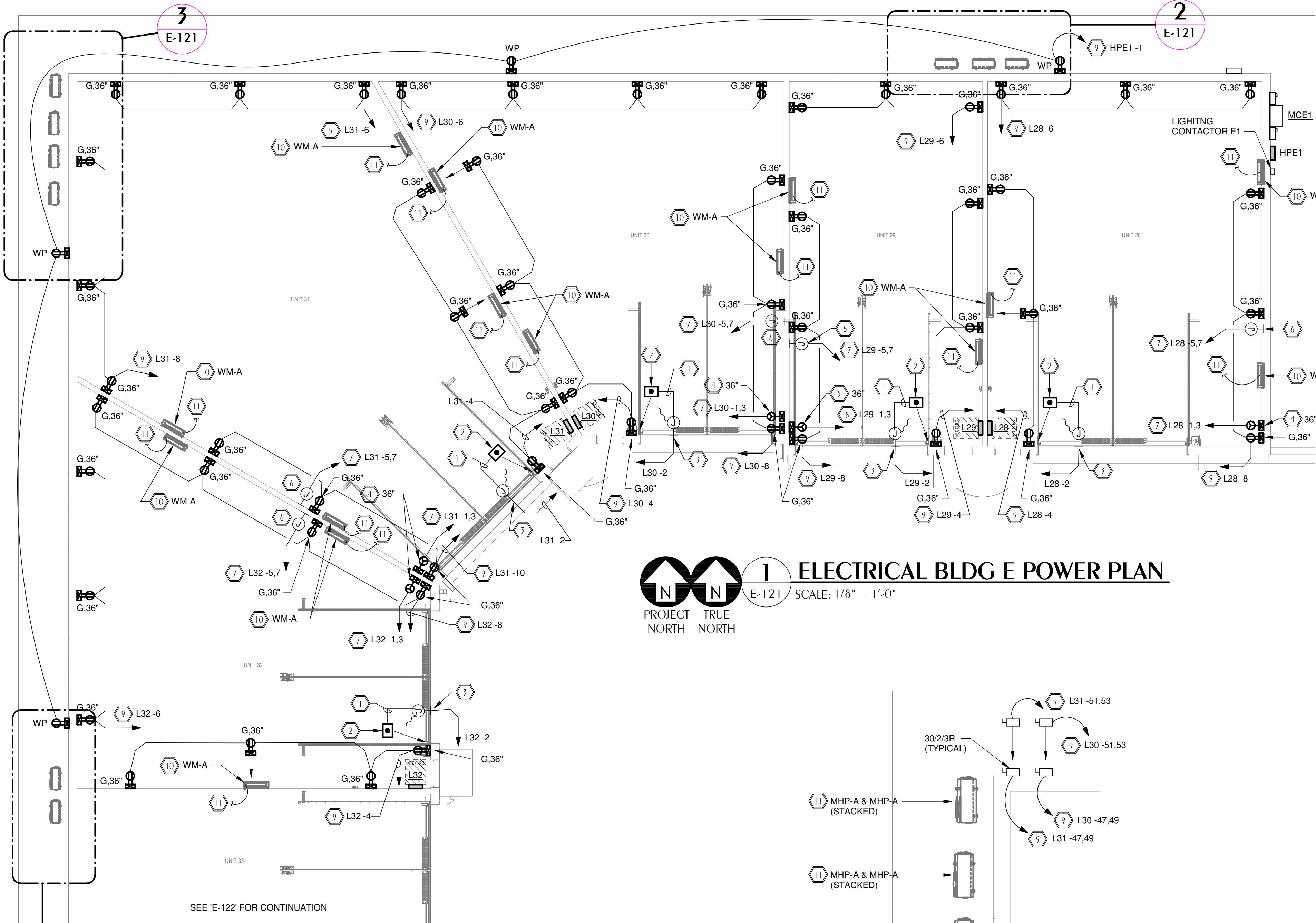
ELECTRICAL
BLDG D POWER
PLAN CONT.
CONT.

E-113

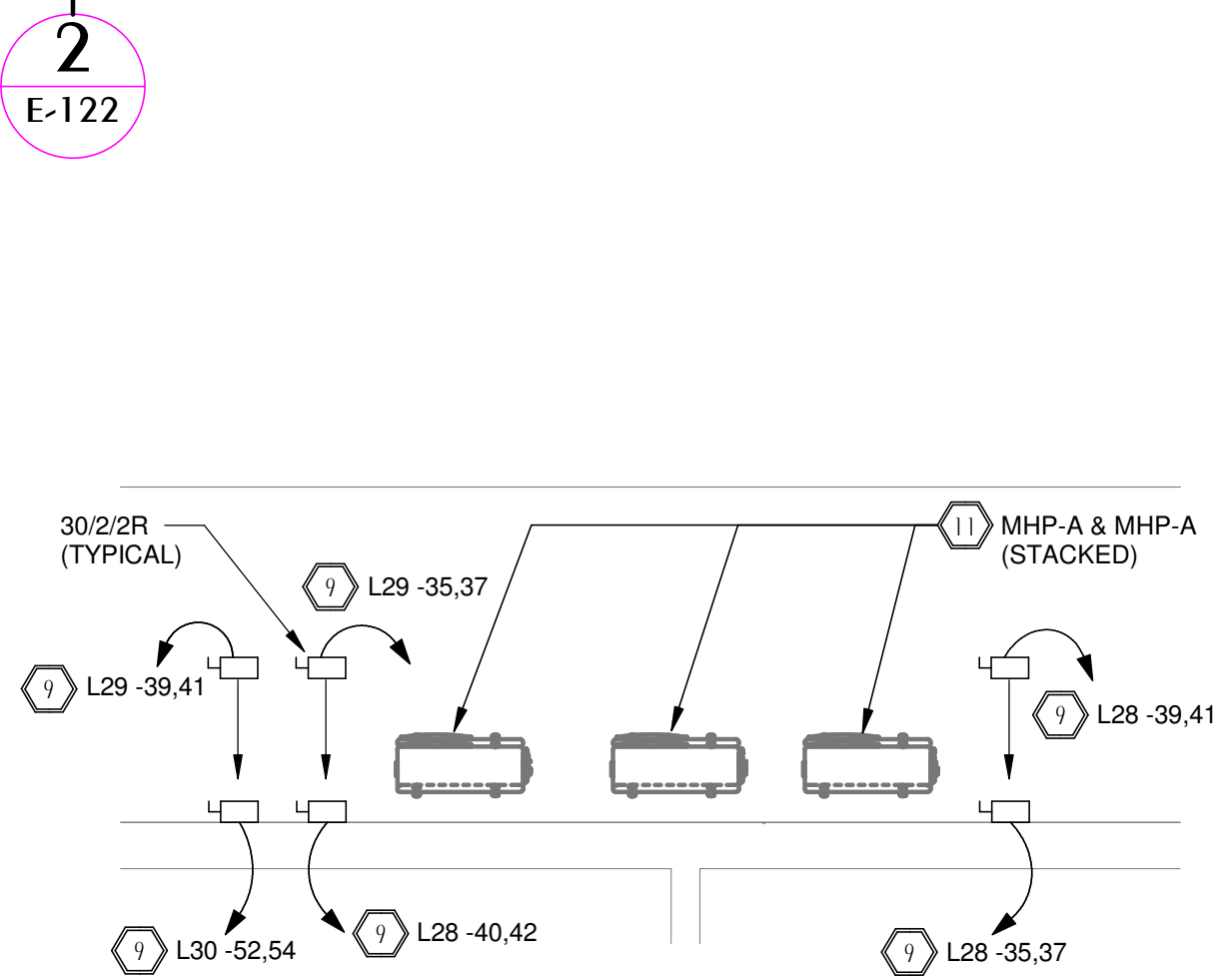


Florida CA Number: 27825
Anthony L. Davis, PE
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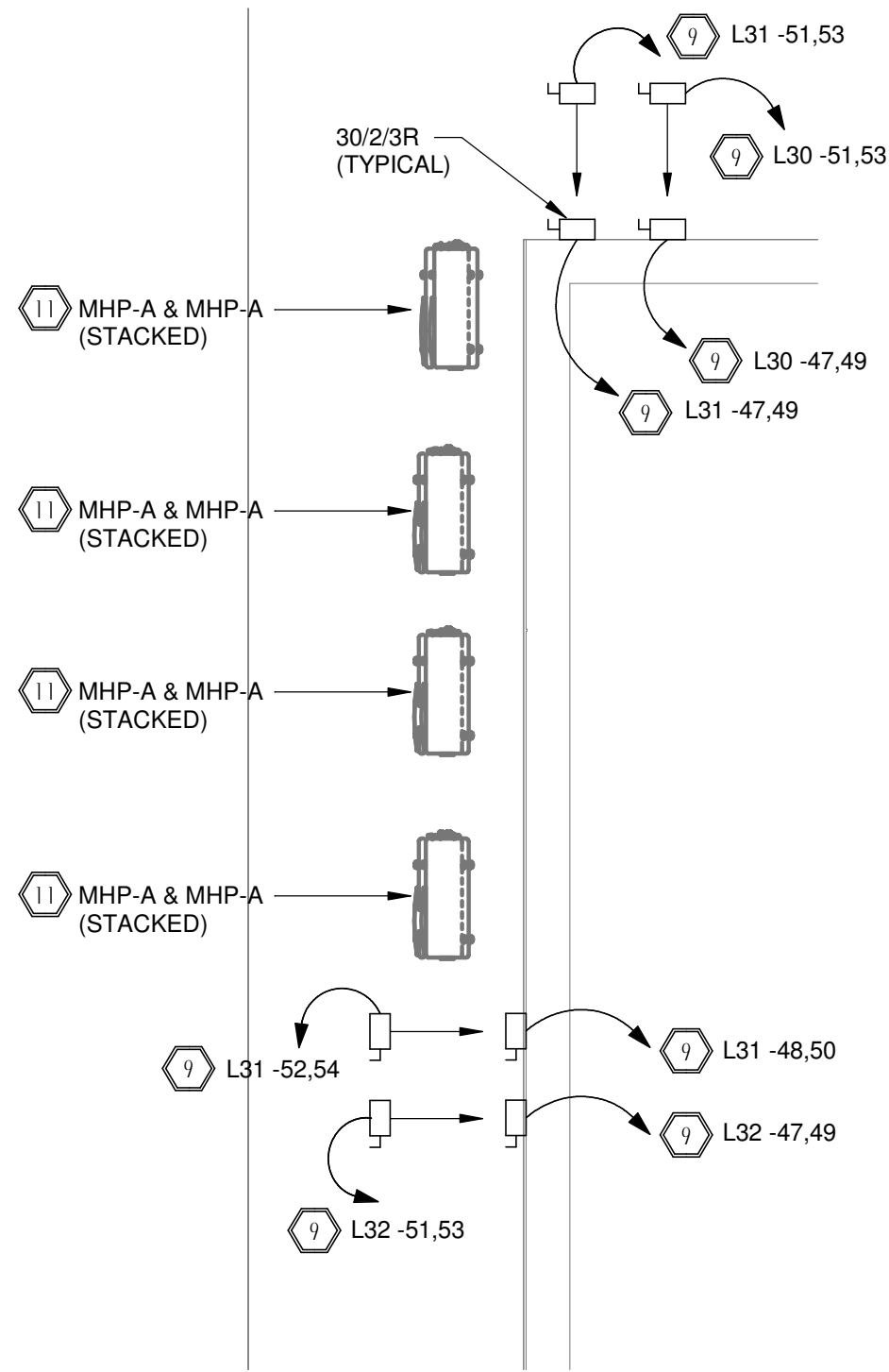
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1 ELECTRICAL BLDG E POWER PLAN
E-121 SCALE: 1/8" = 1'-0"
PROJECT NORTH TRUE NORTH



2 ENLARGED BLDG E MECH. YARD 1
E-121 SCALE: 1/4" = 1'-0"



3 ENLARGED BLDG E MECH. YARD 2
E-121 SCALE: 1/4" = 1'-0"

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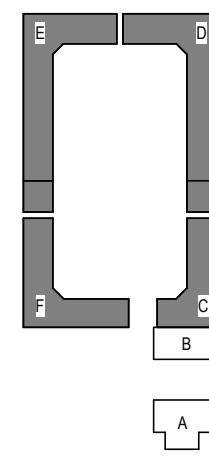
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GROVES & KING, LLC

**GARAGES
LUXURY AT
MIRAMAR -
PHASE 2**

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



REVISIONS	NO.	DESCRIPTION	DATE
-----------	-----	-------------	------

Project Number **25038A**
Dated 10.12.2026

**ELECTRICAL
BLDG E POWER
PLAN**

E-121



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2026-033
Checked By: ALD
Drawn By: CTG

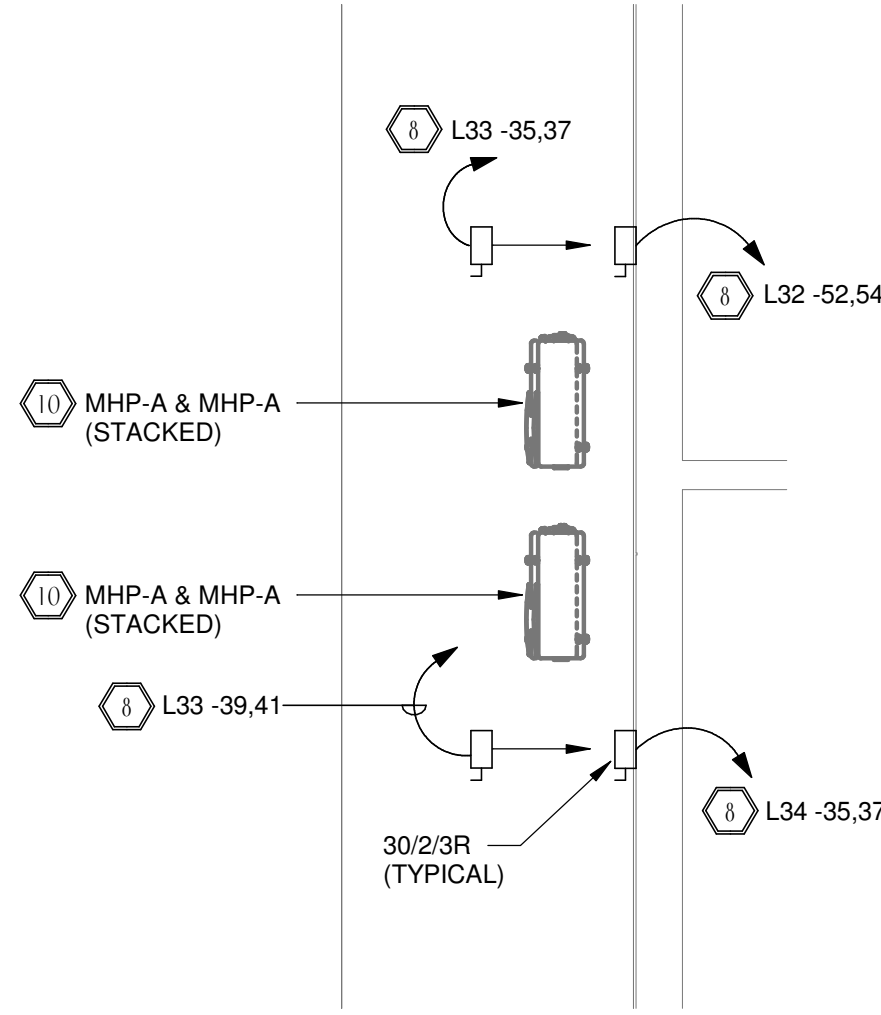
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GENERAL NOTES

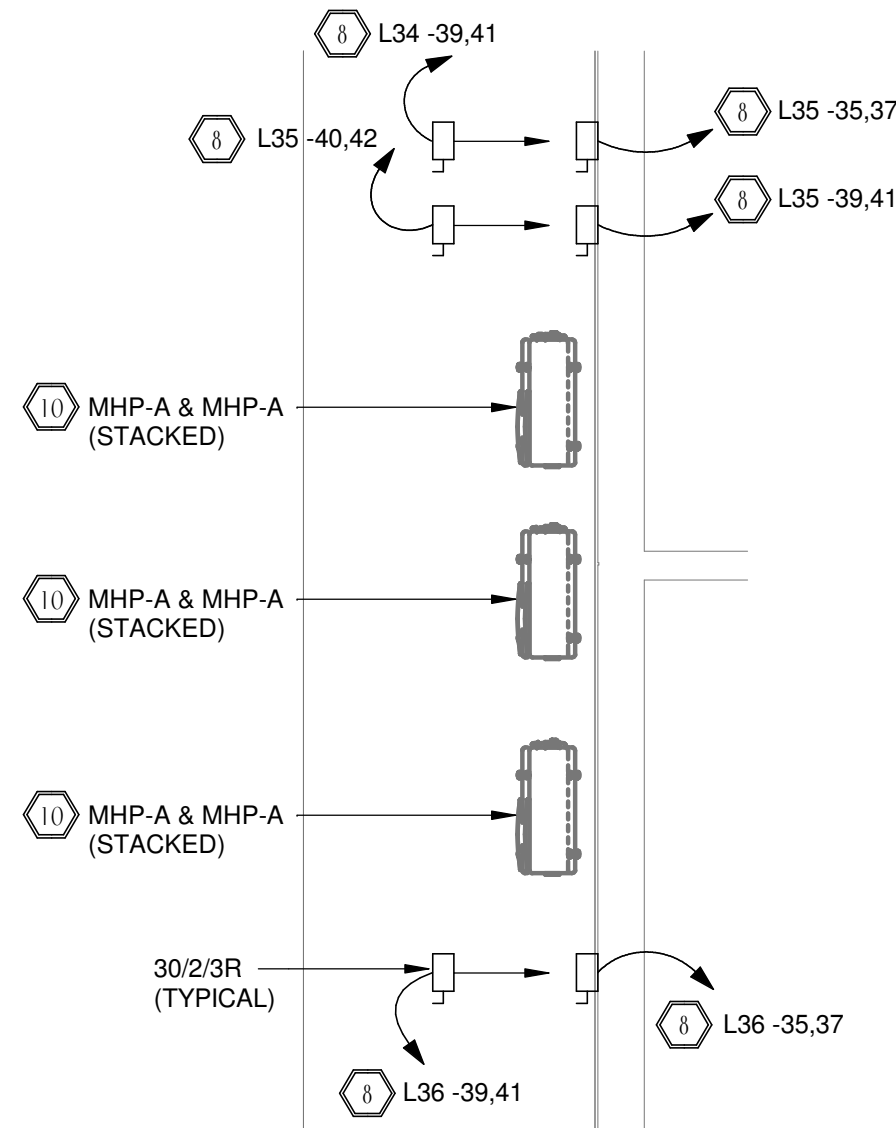
- EC TO FURNISH/INSTALL ALL JUNCTION BOXES AND CONCEALED CONDUIT RUNS REQUIRED FOR COMMUNICATIONS AND SECURITY SYSTEMS AS WELL AS ALL WIRING AND ELECTRICAL CONNECTIONS FOR ANY COMMUNICATIONS AND SECURITY SYSTEMS THAT REQUIRE 120 VOLT POWER. PRIOR TO ROUGH-IN, EC TO COORDINATE WITH OWNER AND GC FOR EXACT LOCATION, HEIGHT, AND SIZES REQUIRED FOR ALL JUNCTION BOXES.
- 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

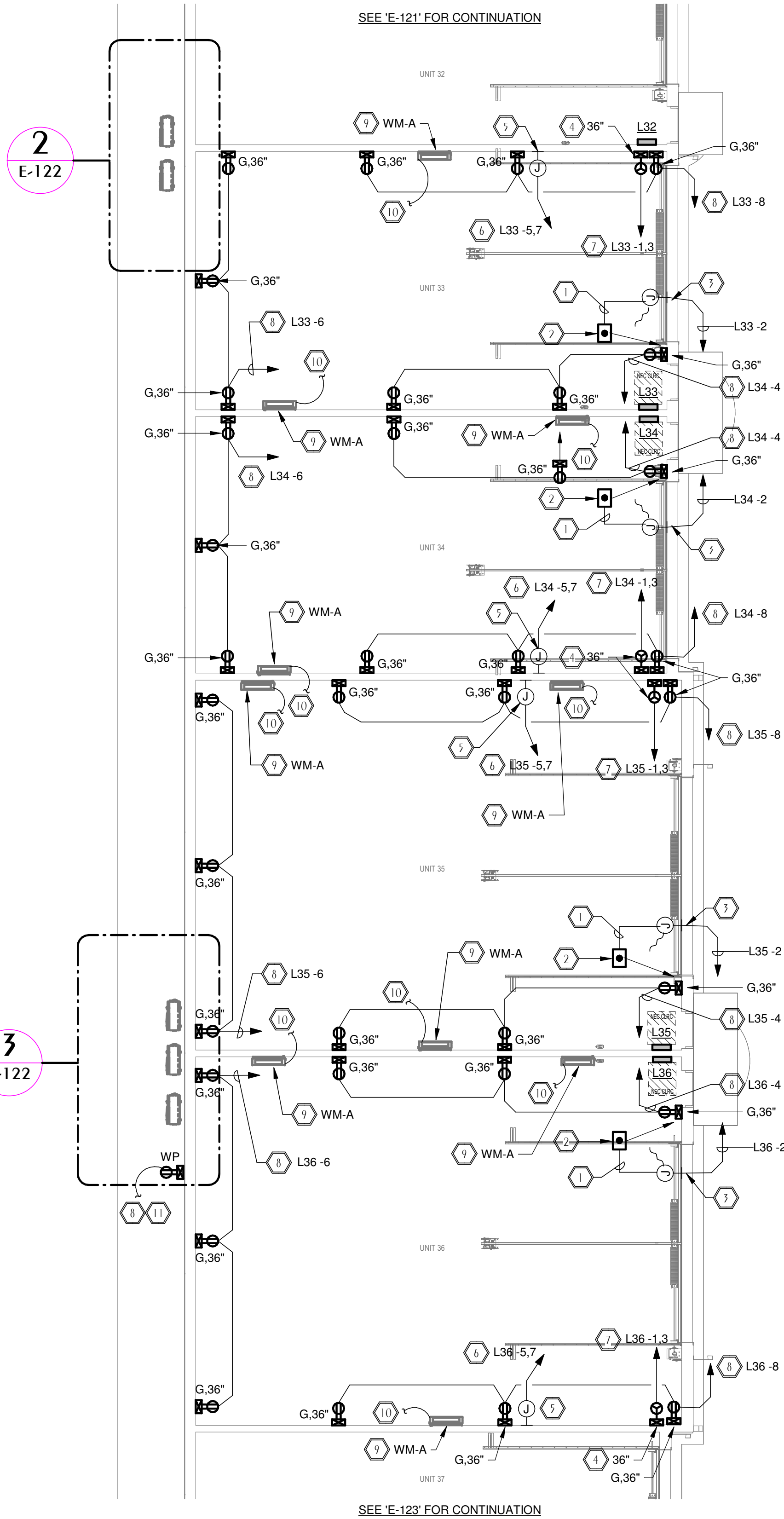
- MOTORIZED DOOR CONTROL WIRING; PRIOR TO BID, VERIFY WIRE, BREAKER, AND CONDUIT SIZES WITH GC/OWNER.
- EC SHALL COORDINATE WITH EQUIPMENT SUPPLIER FOR INSTALLATION OF CONTROL SWITCHES FOR ROLL-UP DOORS. SWITCHES TO BE FURNISHED BY EQUIPMENT SUPPLIER. COORDINATE FOR EXACT REQUIREMENTS FOR CONTROL WIRING PRIOR TO ROUGH-IN.
- EC SHALL FIELD-COORDINATE WITH DOOR OPERATOR INSTALLER FOR EXACT LOCATION OF J-BOX FOR DOOR MOTOR.
- EC SHALL COORDINATE WITH GC/OWNER FOR EXACT SPECIAL NEMA RECEPTACLE REQUIRED FOR RV. FOR BID PURPOSES ASSUME SPECIAL NEMA RECEPTACLE L14-50R.
- 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.
- EC SHALL INSTALL 2#6, 1#6N, 1#10GND IN 1" CONDUIT.
- EC SHALL INSTALL 2#8, 1#8N, 1#10GND IN 1" CONDUIT.
- EC SHALL INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.
- PER MECHANICAL DESIGN, INDOOR UNIT TO BE PROVIDED WITH INTEGRAL DISCONNECT
- PER MECHANICAL DESIGN, INDOOR UNIT IS TO BE POWERED VIA OUTDOOR UNIT. CONNECT ASSOCIATED UNIT. CIRCUIT SHALL BE 2#12, 1#12GND IN 1" CONDUIT.



2 ENLARGED BLDG E CONT. MECH. YARD 1
E-122 SCALE: 1/4" = 1'-0"

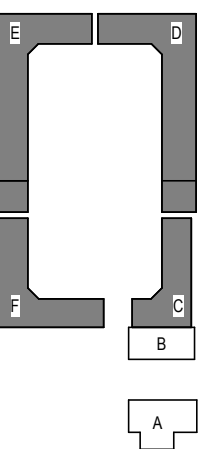


3 ENLARGED BLDG E CONT. MECH. YARD 2
E-122 SCALE: 1/4" = 1'-0"



1 ELECTRICAL BLDG E POWER PLAN CONT.
E-122 SCALE: 1/8" = 1'-0"

WATFORD ENGINEERING
Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-033
Checked By: ALD
Drawn By: CTG



REVISIONS	NO.	DESCRIPTION	DATE
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Project Number	25038A
Dated	10.12.2026

GENERAL NOTES

- | |
|--------------------|
| SHEET NOTES |
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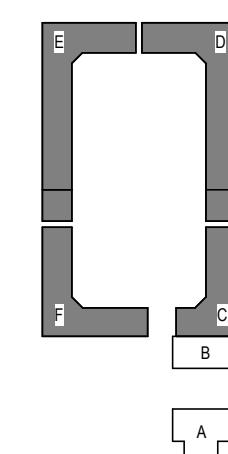
1 MOTORIZED DOOR CONTROL WIRING; PRIOR TO BID, VERIFY WIRE, BREAKER, AND CONDUIT SIZES WITH CC/OWNER.



Digital Signature

GROVES & KING, LLC

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



Project Number	25038A
Dated	10.12.2026

E-123

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GENERAL NOTES

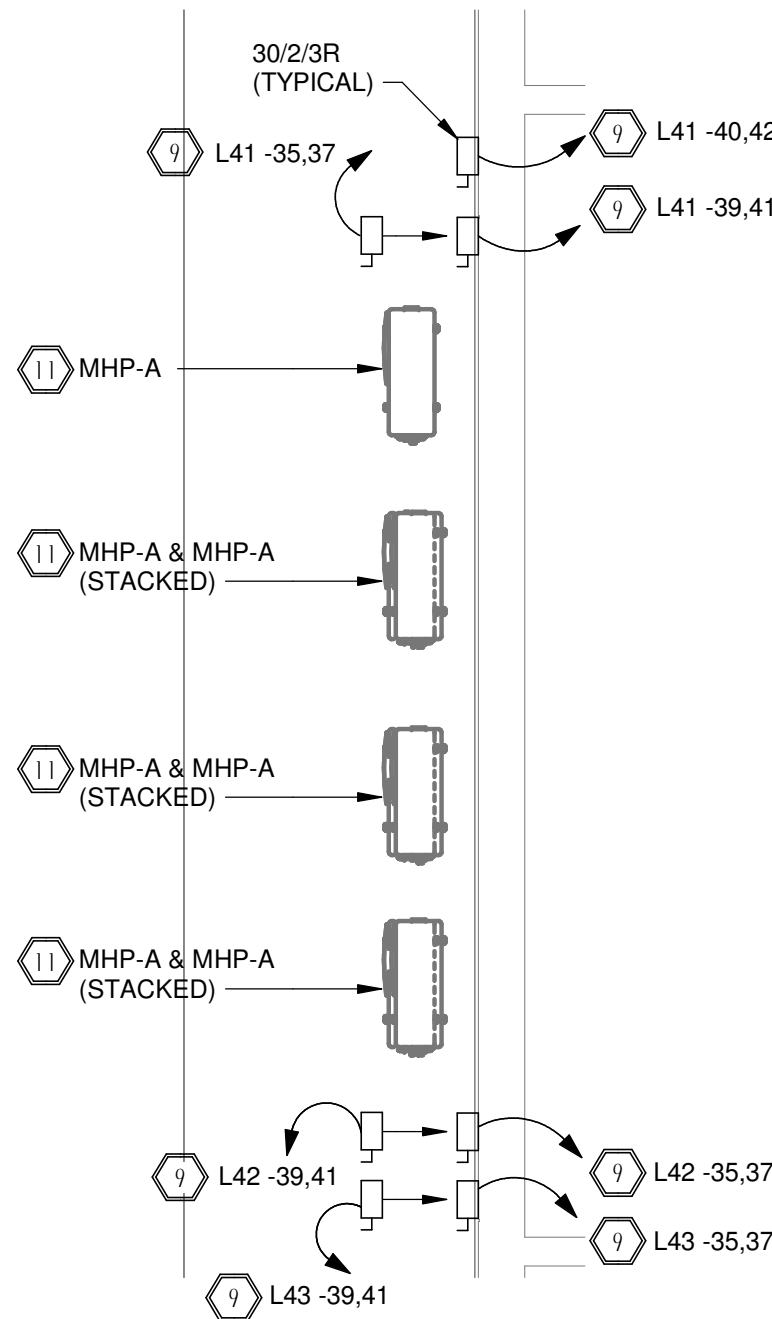
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SHEET NOTES

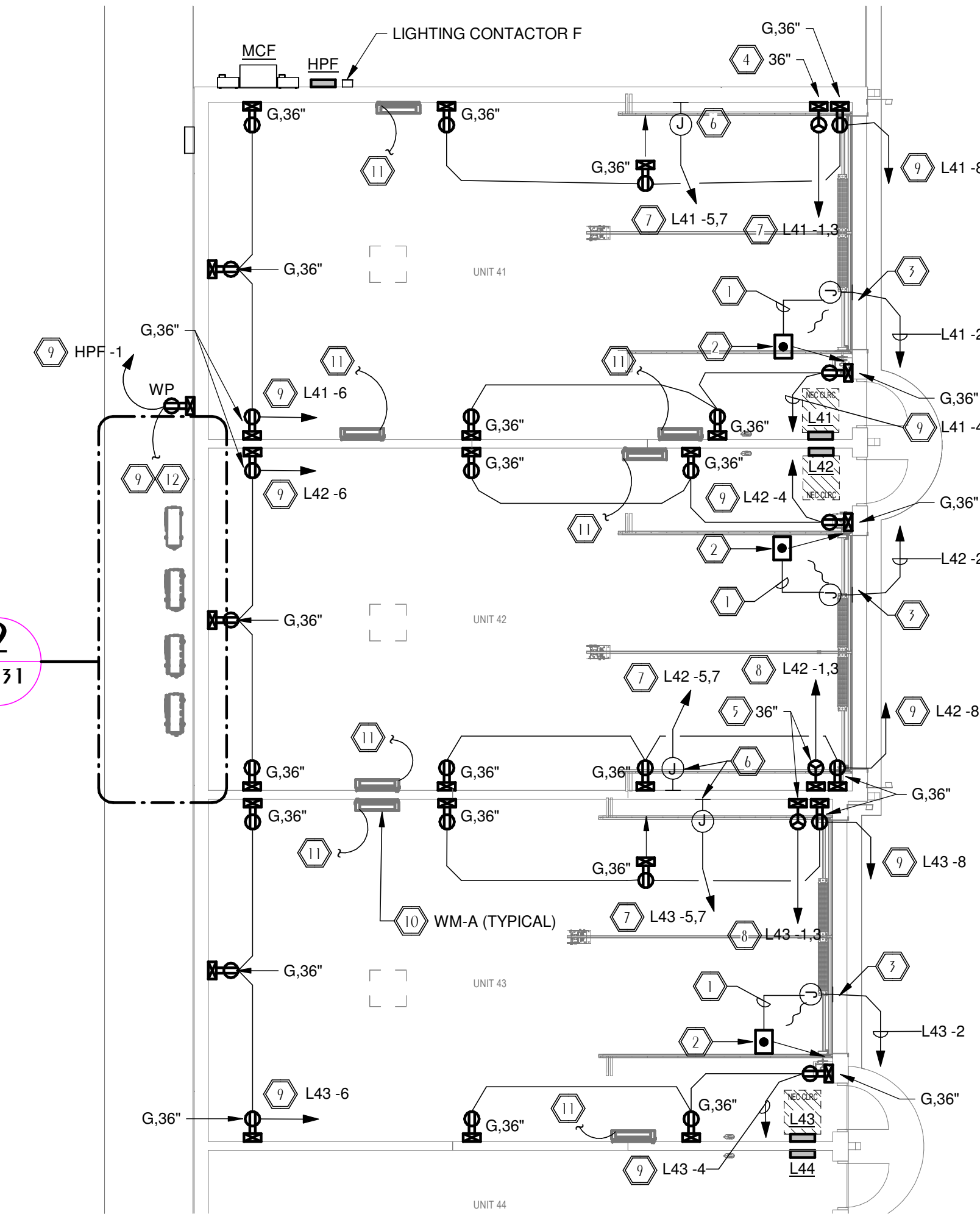
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- REFER TO 'ELECTRICAL BLDG F POWER PLAN CONT.', SHEET 'E-132', FOR CONTINUATION OF CIRCUIT.

2 ENLARGED BLDG F MECH. YARD

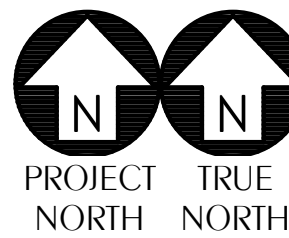
E-131 SCALE: 1/4" = 1'-0"



2
E-131



SEE 'E-132' FOR CONTINUATION



1
E-131

ELECTRICAL BLDG F POWER PLAN

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



Florida CA Number: 27825
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Florida License Number: 57419
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Project Number: 2025-033
Checked By: ALD
Drawn By: CTG

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Destin, Florida 32541
850.837.8152
www.dagarchitects.com

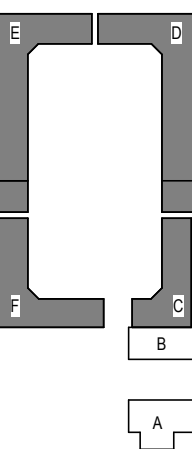
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GROVES & KING, LLC

**GARAGES
LUXURY AT
MIRAMAR -
PHASE 2**

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



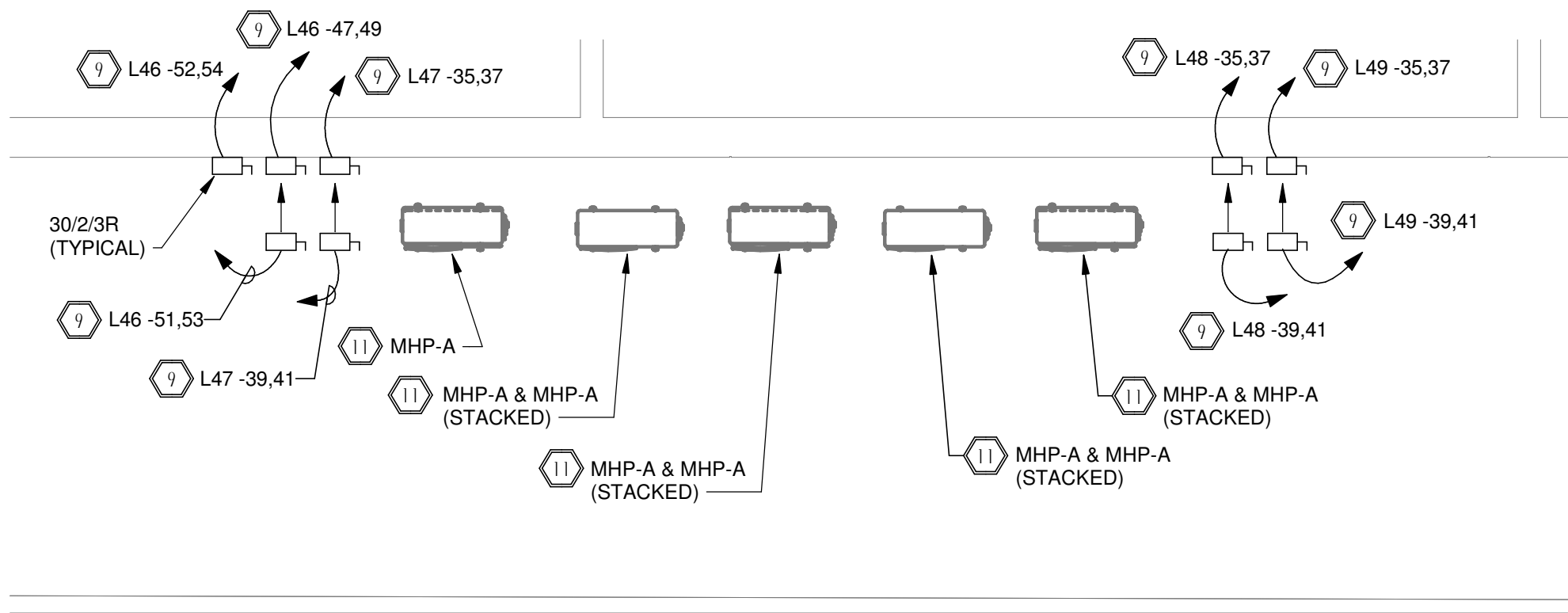
REVISIONS
NO. DESCRIPTION DATE

Project Number 25038A
Dated 10.12.2026

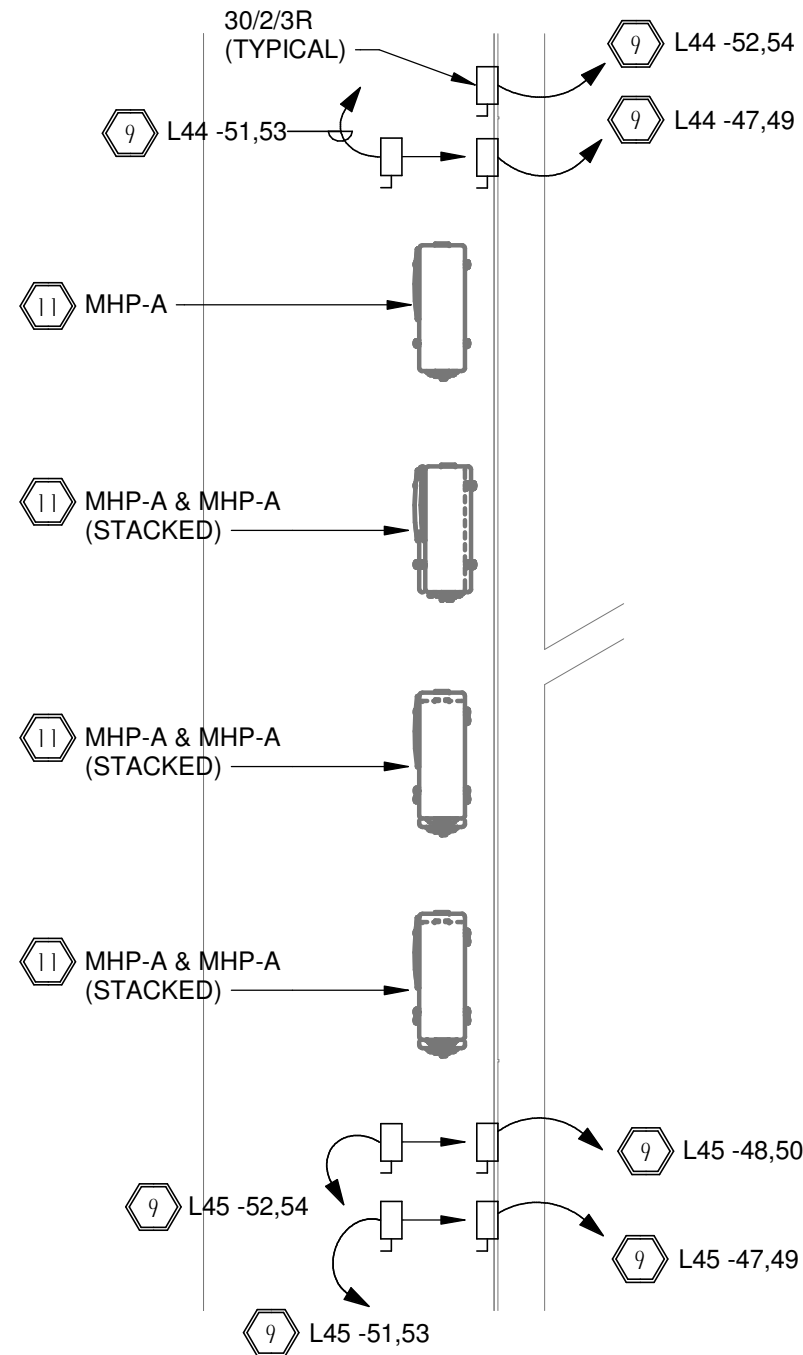
ELECTRICAL
BLDG F POWER
PLAN

E-131

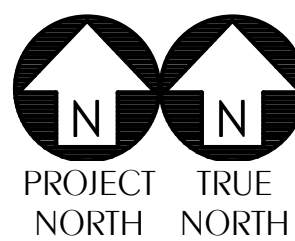
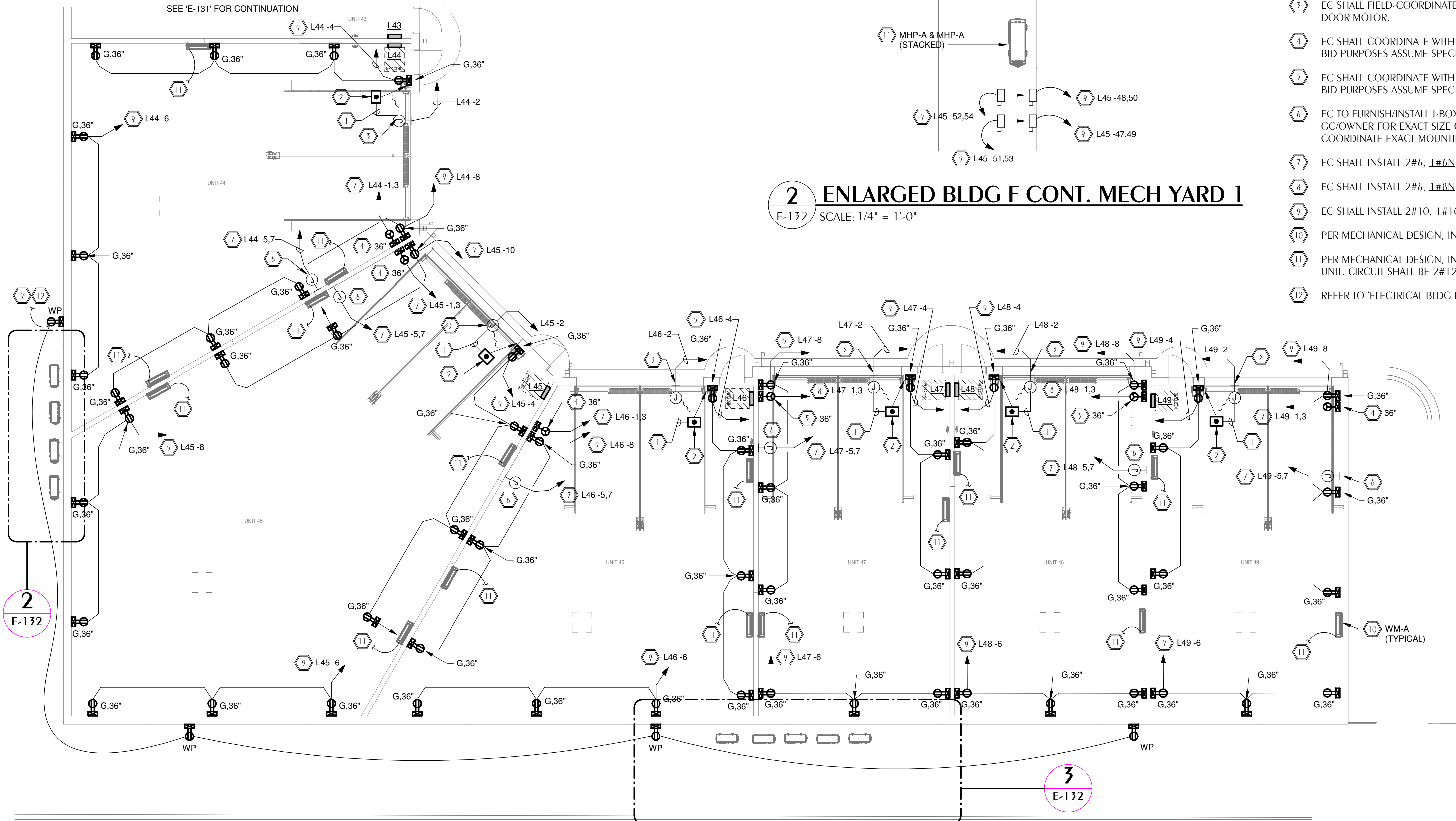
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3 ENLARGED BLDG F CONT. MECH YARD 2
E-132 SCALE: 1/4" = 1'-0"



2 ENLARGED BLDG F CONT. MECH YARD 1
E-132 SCALE: 1/4" = 1'-0"



1 ELECTRICAL BLDG F POWER PLAN CONT.
E-132 SCALE: 1/8" = 1'-0"



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-033
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Drawn By: CTG

GENERAL NOTES

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- REFER TO 'ELECTRICAL BLDG F POWER PLAN', SHEET 'E-131', FOR CONTINUATION OF CIRCUIT.

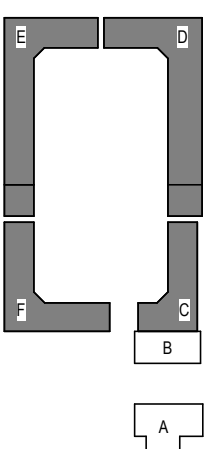
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FOR PERMIT

GROVES & KING, LLC

**GARAGES
LUXURY AT
MIRAMAR -
PHASE 2**

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



REVISIONS	NO.	DESCRIPTION	DATE
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Project Number	25038A
Dated	10.12.2026

**ELECTRICAL
BLDG F POWER
PLAN CONT.**

E-132

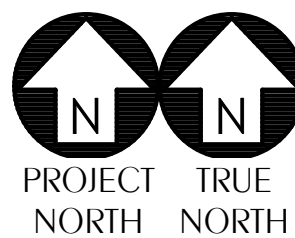
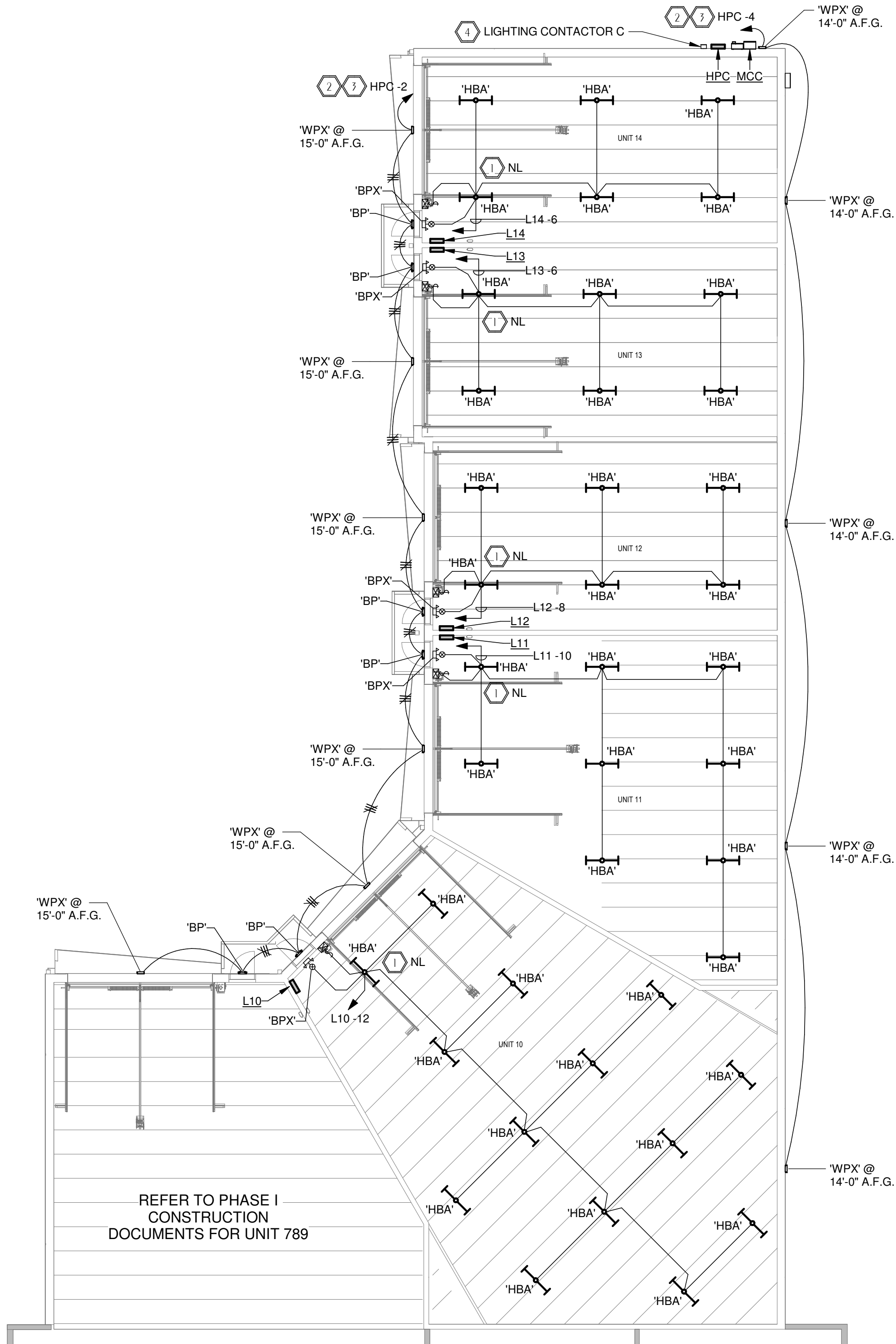
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GENERAL NOTES

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SHEET NOTES

- 1 FIXTURE SHALL BE WIRED FOR 24-HOUR CONTINUOUS OPERATION.
- 2 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.
- 3 ROUTE CIRCUIT VIA LIGHTING CONTACTOR C, ADJACENT TO PANEL 'HPC'.
- 4 REFER TO 'TYPICAL LIGHTING CONTACTOR DETAIL', ON SHEET 'E-401', FOR MORE INFORMATION.



1
E-201

ELECTRICAL BLDG C LIGHTING PLAN

SCALE: 3/32" = 1'-0"

**WATFORD
ENGINEERING**

Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
850.526.3447
Project Number: 2025-033
Checked By: ALD
Drawn By: CTG

**DAG
Architects**

AR0017640
1223 Airport Road
Suite 104
Destin, Florida 32541
850.837.8152
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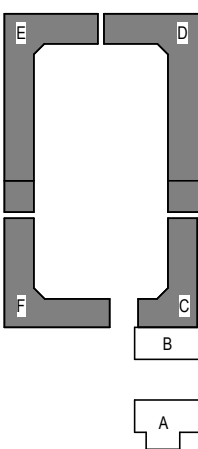
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FOR PERMIT

GROVES & KING, LLC

GARAGES LUXURY AT MIRAMAR - PHASE 2

U.S. HIGHWAY 98
MIRAMAR BEACH,
FL 32550



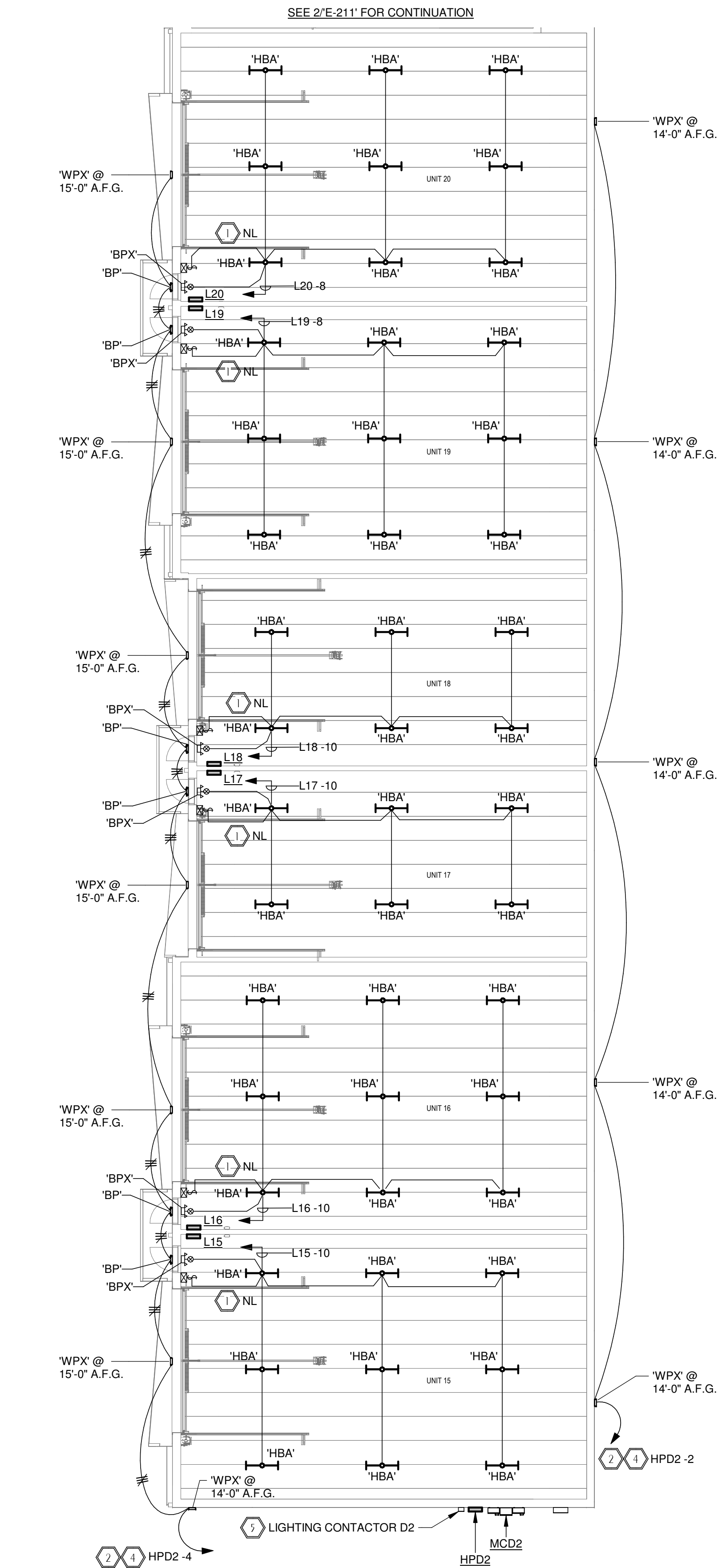
REVISIONS	NO.	DESCRIPTION	DATE
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Project Number	25038A
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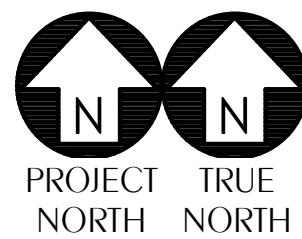
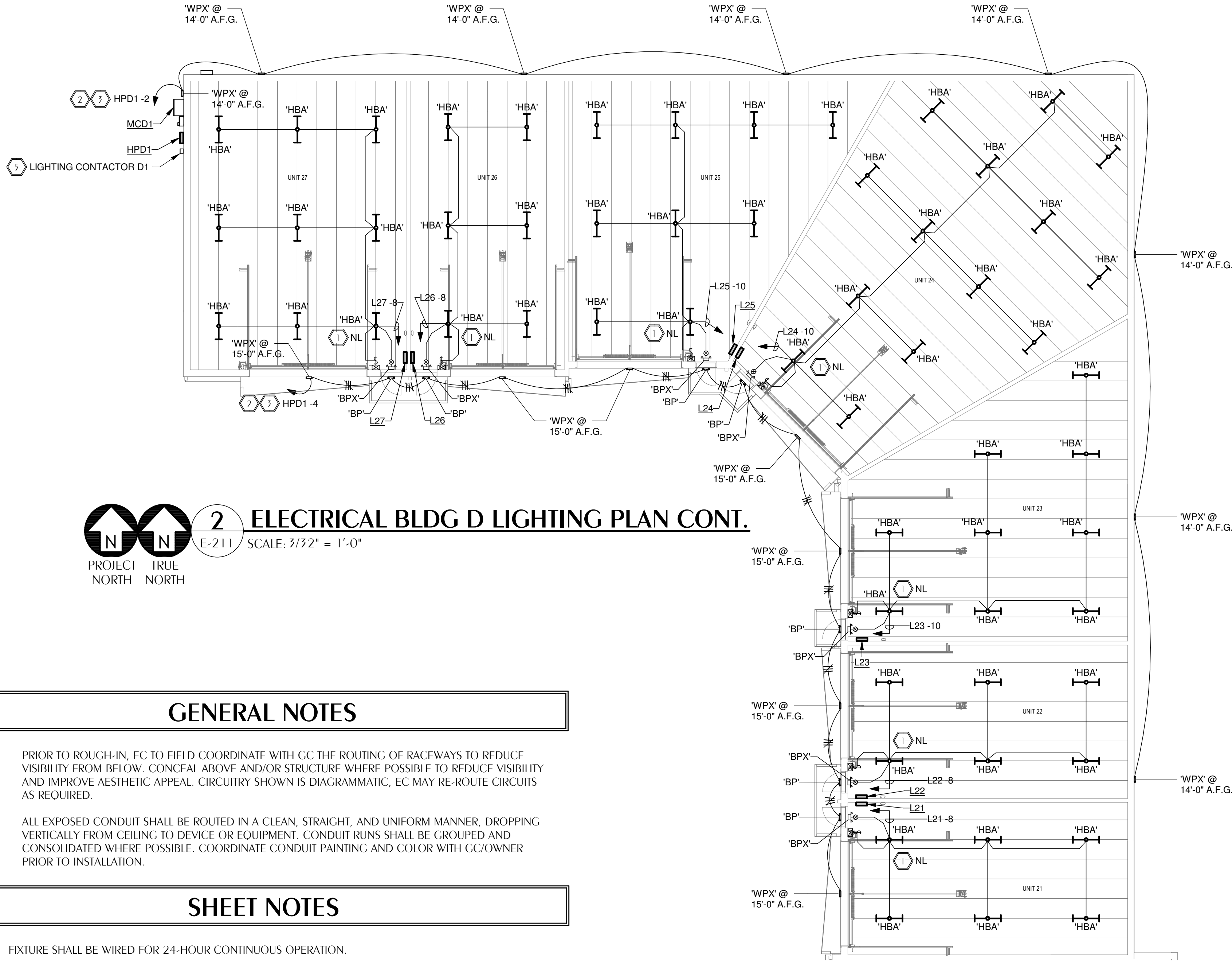
ELECTRICAL BLDG C LIGHTING PLAN

E-201

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1 ELECTRICAL BLDG D LIGHTING PLAN
E-211 SCALE: 3/32" = 1'-0"
PROJECT TRUE NORTH NORTH



2 ELECTRICAL BLDG D LIGHTING PLAN CONT.
E-211 SCALE: 3/32" = 1'-0"

GENERAL NOTES

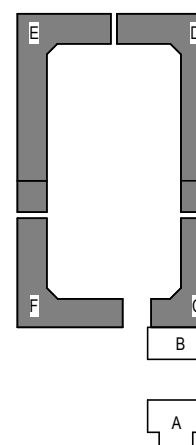
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SHEET NOTES

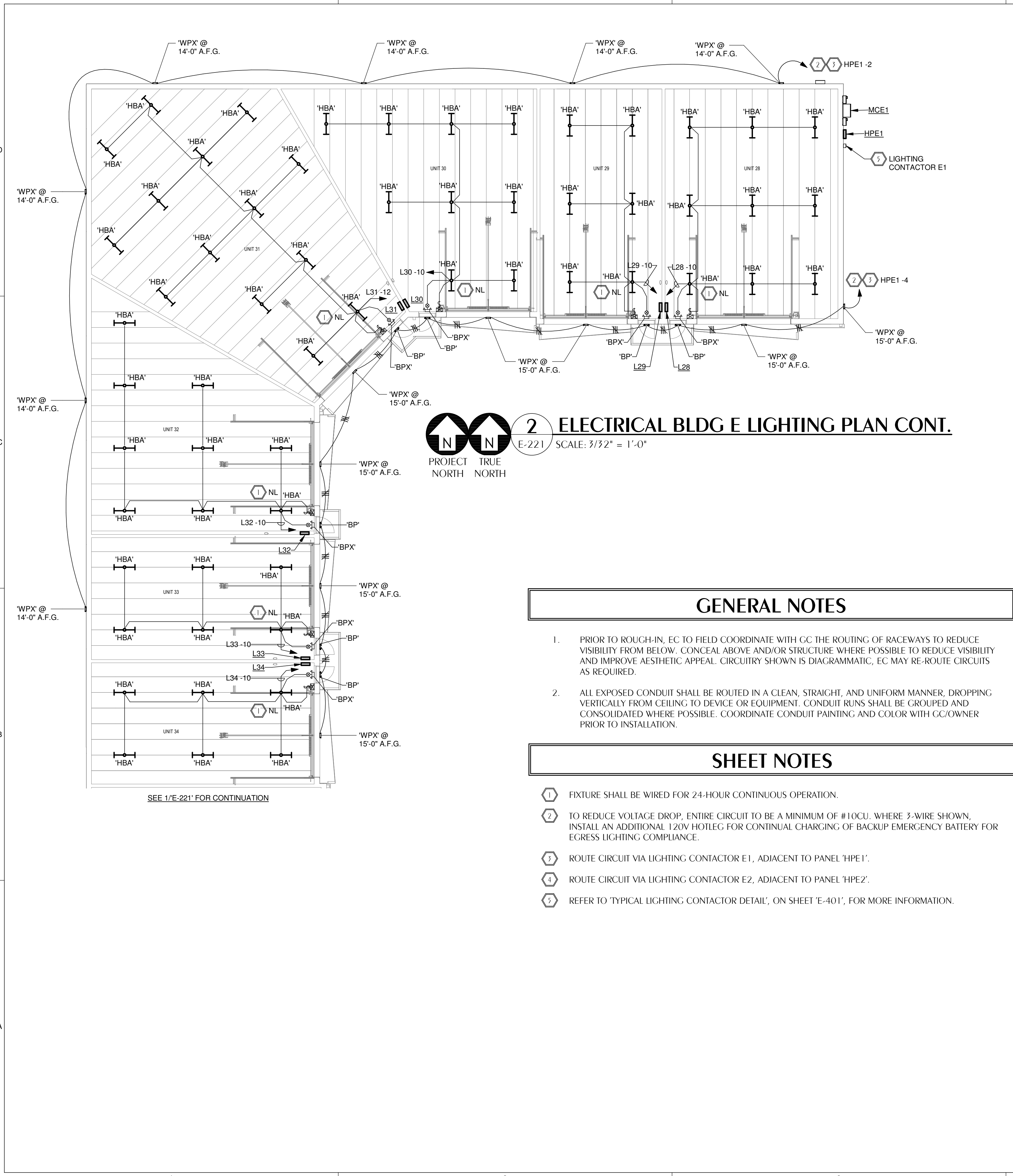
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- 3 ROUTE CIRCUIT VIA LIGHTING CONTACTOR D1, ADJACENT TO PANEL 'HPD1'.
- 4 ROUTE CIRCUIT VIA LIGHTING CONTACTOR D2, ADJACENT TO PANEL 'HPD2'.
- 5 REFER TO 'TYPICAL LIGHTING CONTACTOR DETAIL', ON SHEET 'E-401', FOR MORE INFORMATION.



Florida CA Number: 27825
Anthony L. Davis, PE
Florida License Number: 57419
Project Number: 2025-033
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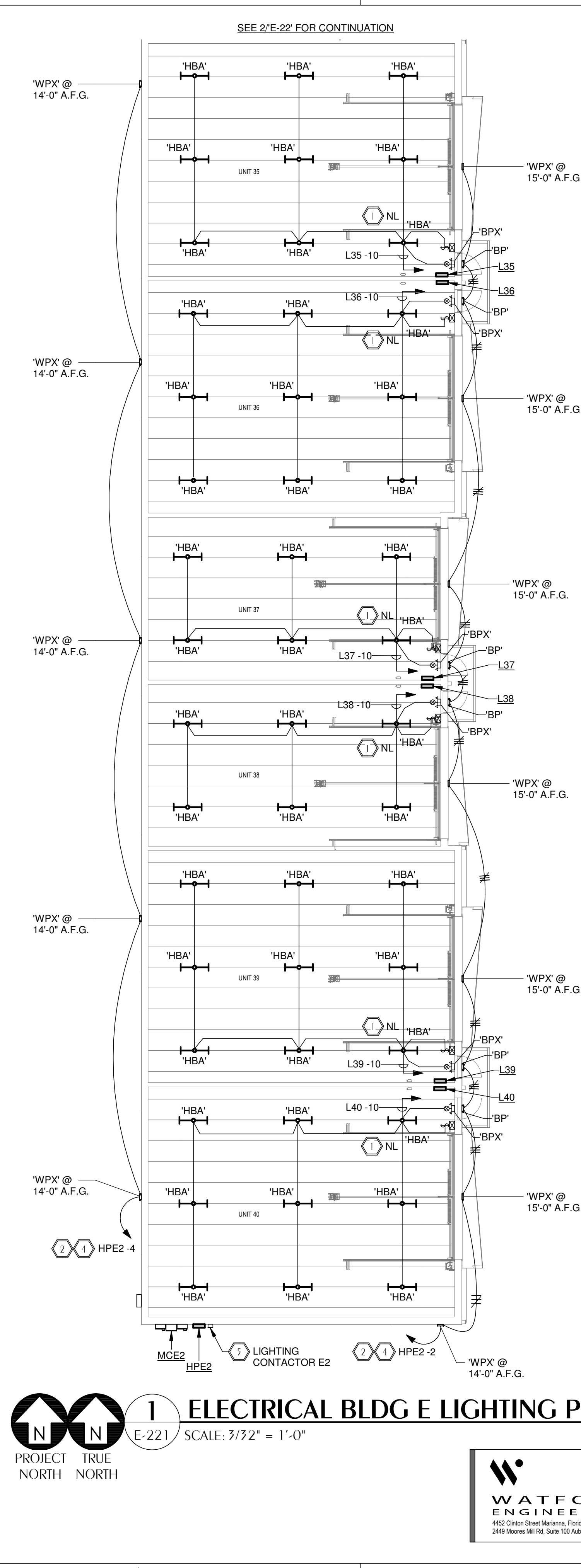


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3. ROUTE CIRCUIT VIA LIGHTING CONTACTOR E1, ADJACENT TO PANEL 'HPE1'.
4. ROUTE CIRCUIT VIA LIGHTING CONTACTOR E2, ADJACENT TO PANEL 'HPE2'.
5. REFER TO 'TYPICAL LIGHTING CONTACTOR DETAIL', ON SHEET 'E-401', FOR MORE INFORMATION.

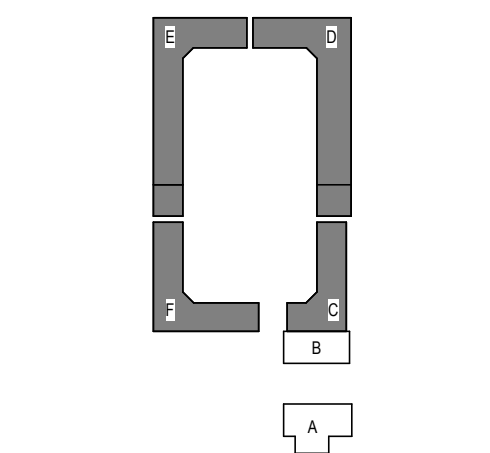


ELECTRICAL BLDG E LIGHTING PLAN

1
E-221
SCALE: 3/32" = 1'-0"

WATFORD ENGINEERING

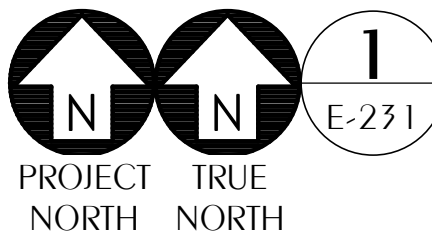
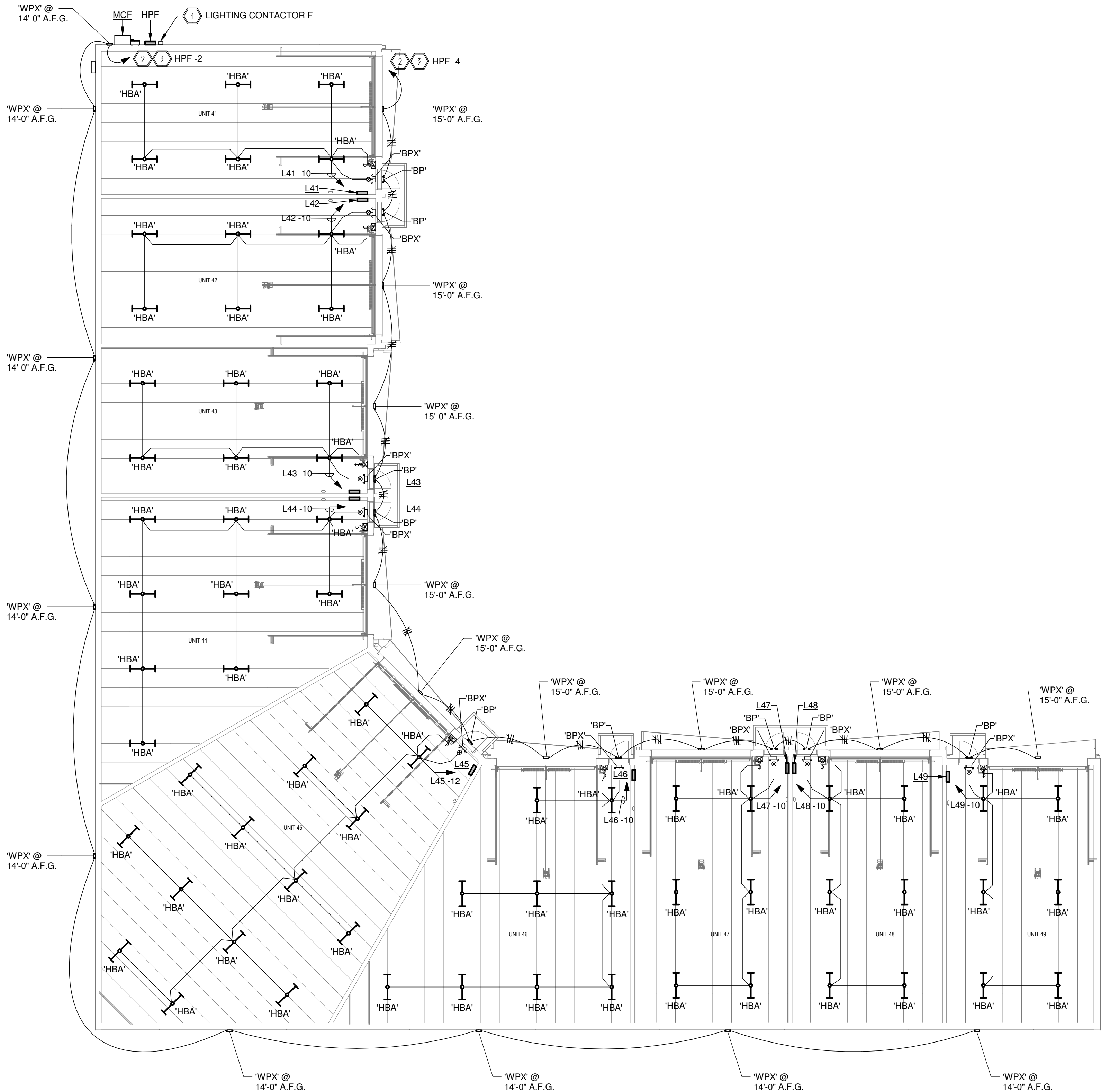
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Project Number: 2025-033
Checked By: ALD
Drawn By: CTG



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Project Number	25038A
Dated	10.12.2026

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1 ELECTRICAL BLDG F LIGHTING PLAN

E-231 SCALE: 3/32" = 1'-0"

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.

SHEET NOTES

- 1 FIXTURE SHALL BE WIRED FOR 24-HOUR CONTINUOUS OPERATION.
- 2 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.
- 3 ROUTE CIRCUIT VIA LIGHTING CONTACTOR F, ADJACENT TO PANEL 'HPF'.
- 4 REFER TO 'TYPICAL LIGHTING CONTACTOR DETAIL', ON SHEET 'E-401', FOR MORE INFORMATION.

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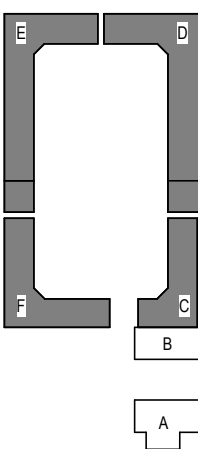
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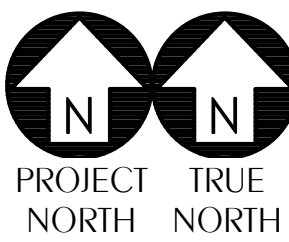
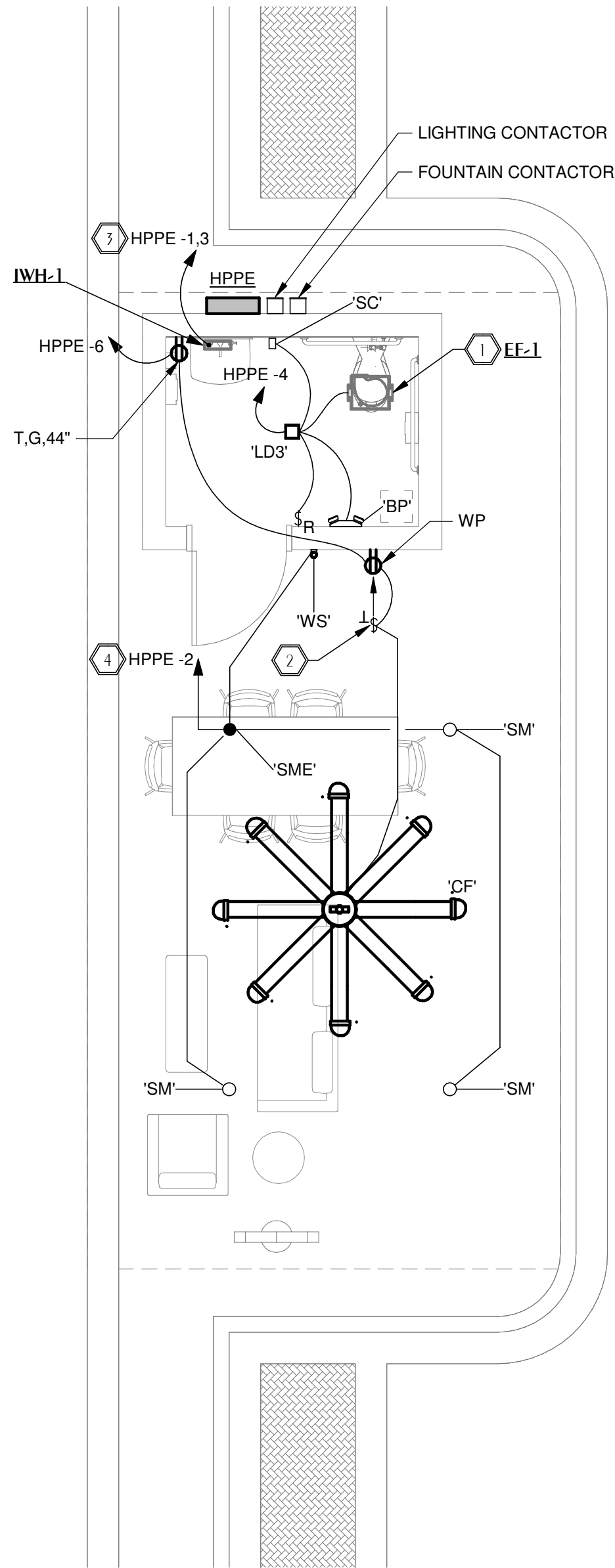
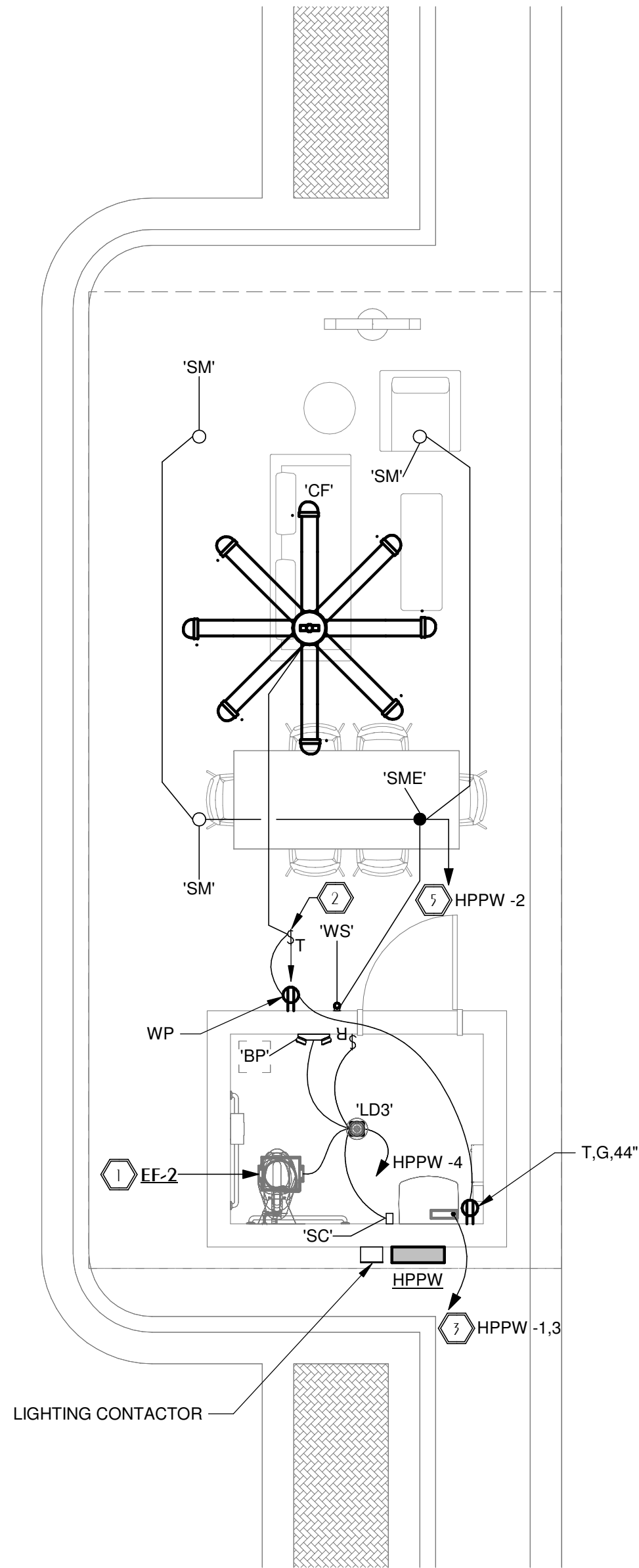
ELECTRICAL
BLDG F LIGHTING
PLAN

E-231

**WATFORD
ENGINEERING**

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Florida License Number: 57419
850.526.3447
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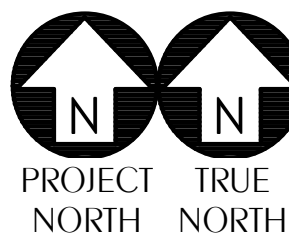
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1

ELECTRICAL WEST PAVILLION POWER PLAN

E-301 SCALE: 1/4" = 1'-0"



2

ELECTRICAL EAST PAVILLION POWER PLAN

E-301 SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. 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. PER MECHANICAL DESIGN, EXHAUST FAN TO BE FURNISHED WITH INTEGRAL DISCONNECT. EC SHALL INTERLOCK EXHAUST FAN WITH LIGHTING CONTROLS SERVING AREA.
2. EC SHALL INSTALL ANALOG LIGHTING TIMER SWITCH TO BE INSTALLED IN WEATHER PROOF ENCLOSURE.
3. EC SHALL INSTALL 2#10, 1#10GND IN 3/4" CONDUIT.
4. ROUTE CIRCUIT VIA LIGHTING CONTACTOR ADJACENT TO PANEL 'HPPE'.
5. ROUTE CIRCUIT VIA LIGHTING CONTACTOR ADJACENT TO PANEL 'HPPW'.

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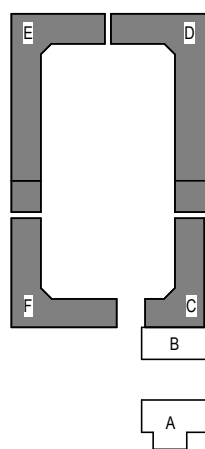
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**ELECTRICAL
PAVILLIONS
POWER &
LIGHTING PLANS**

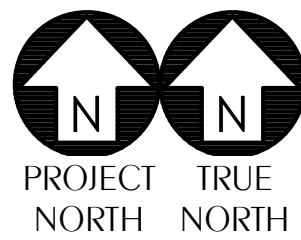
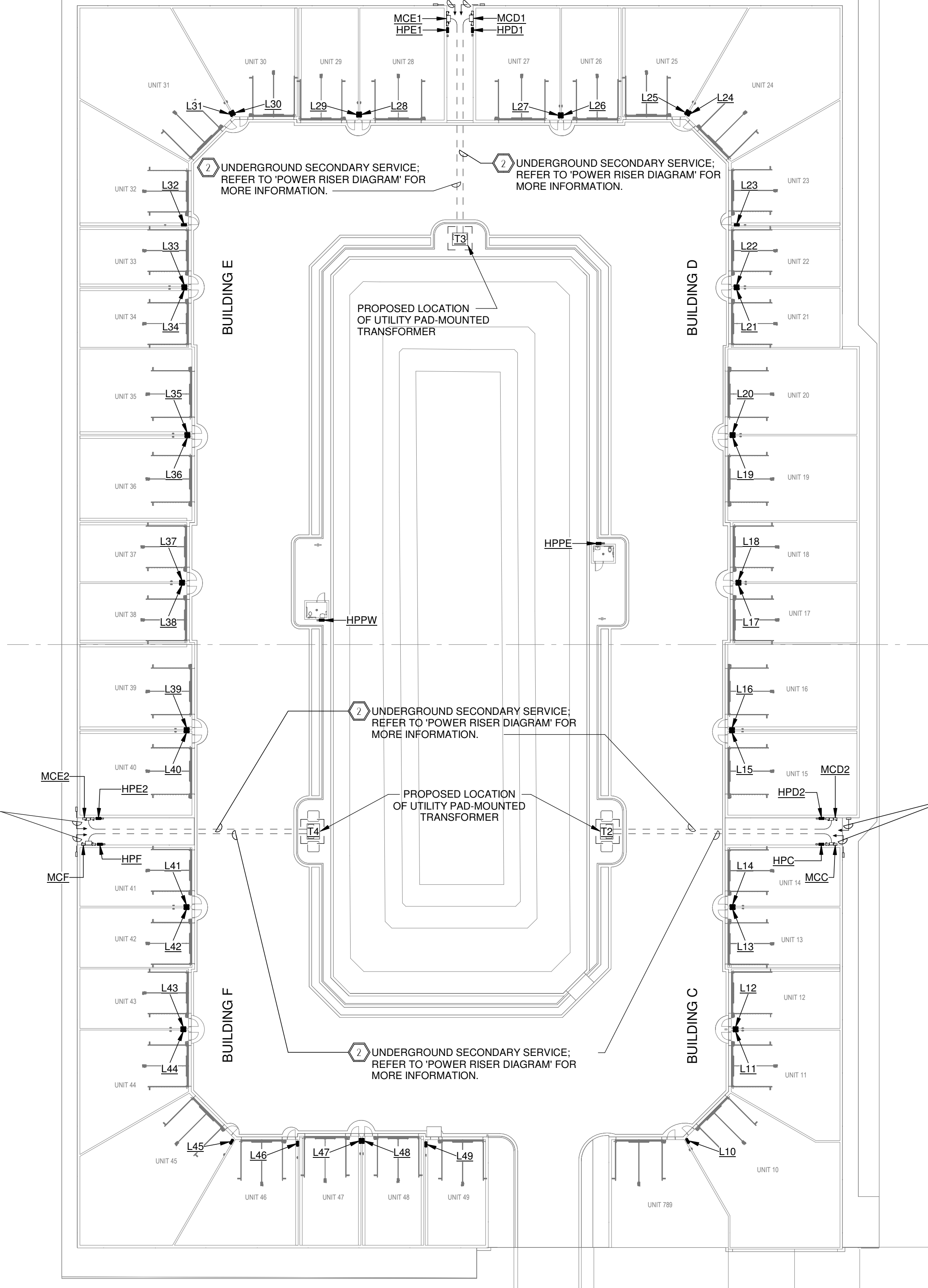
E-301

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1 FIELD-COORDINATE EXACT ROUTING/PTS OF-TERMINATION FOR INSTALLATION OF TWO (2) 2" CONDUITS (W/PULLSTRING) FOR TELE/DATA SERVICE.



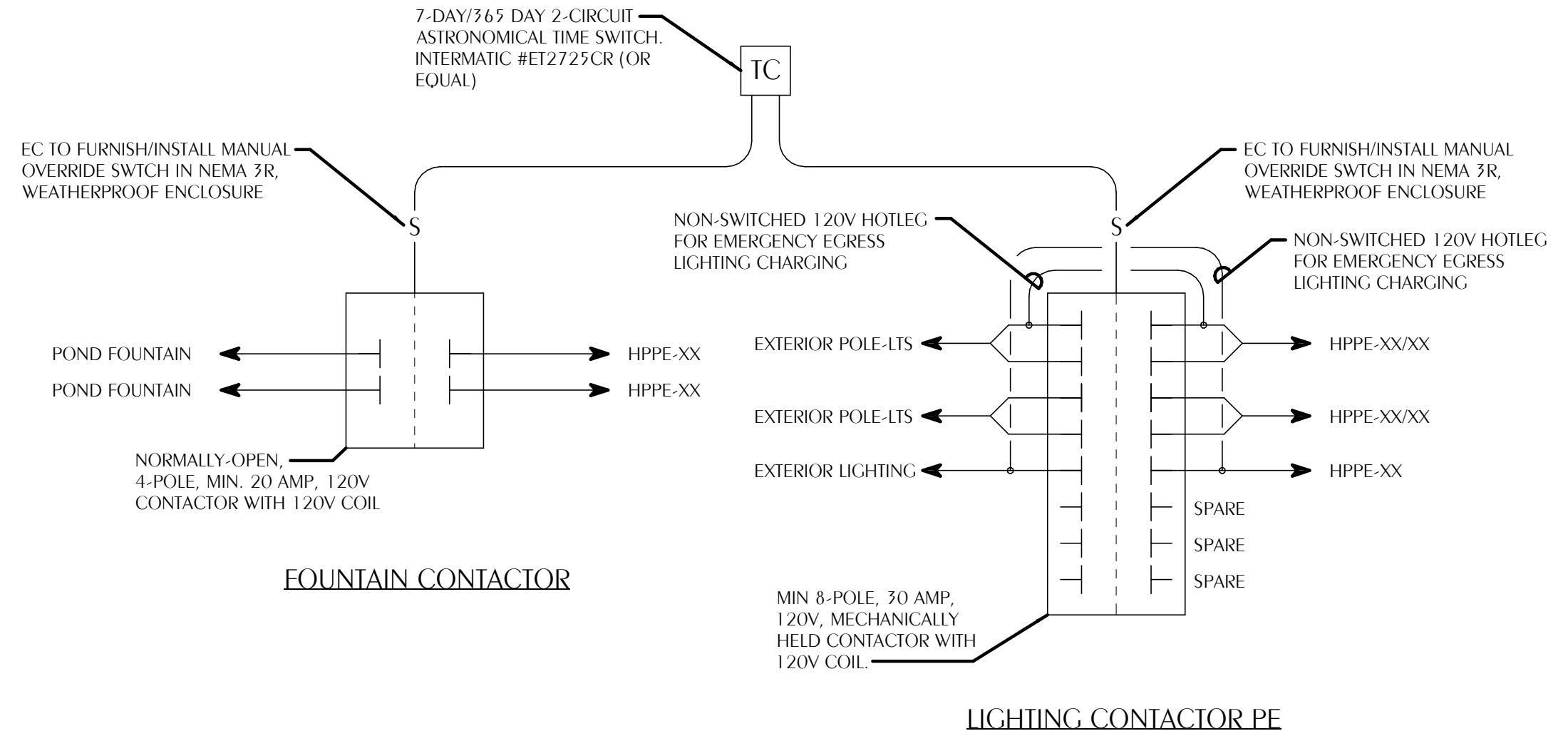
1 ELECTRICAL OVERALL SITE PLAN

E-401 SCALE: 1" = 30'-0"

SHEET NOTES

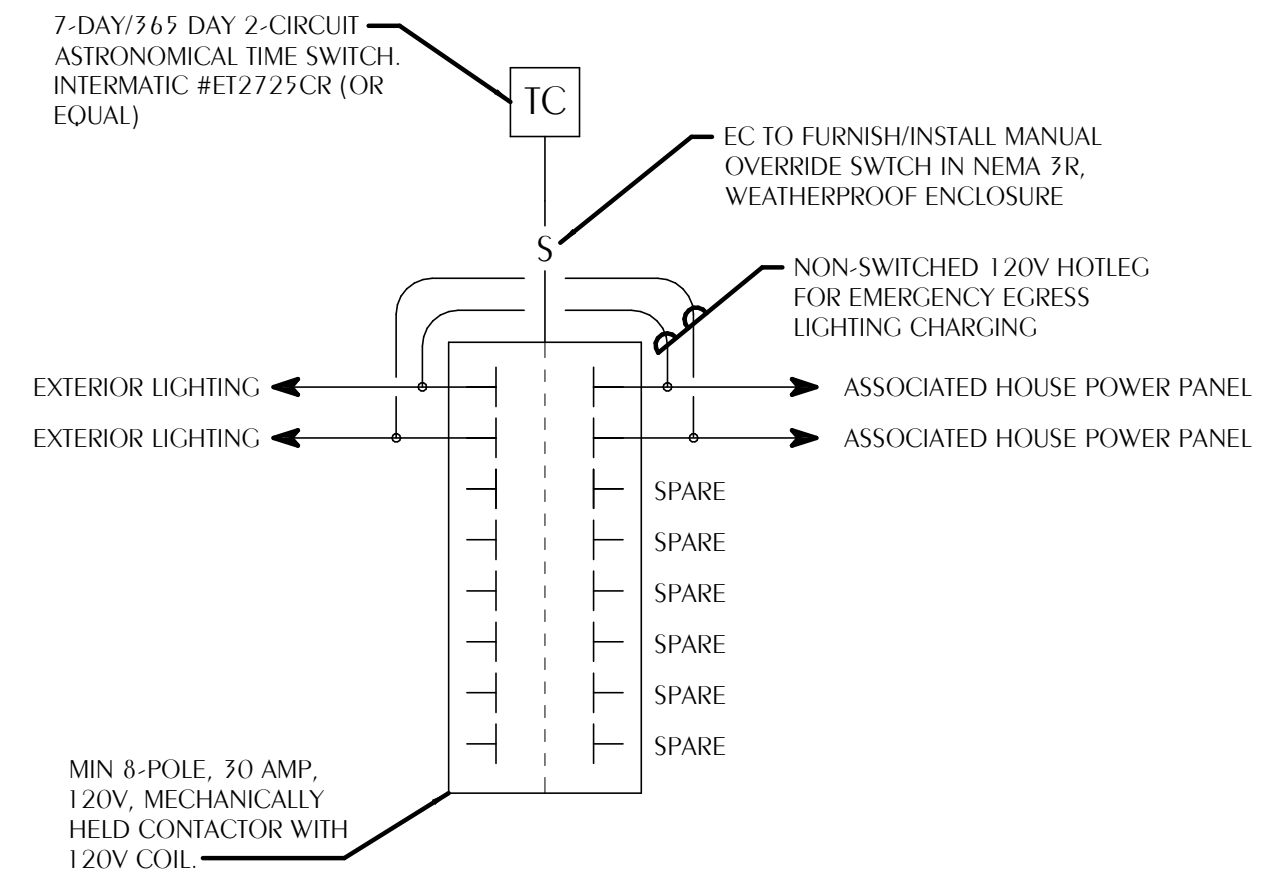
- 1 PRIOR TO CONSTRUCTION, EC SHALL VERIFY NUMBER AND SIZE CONDUITS REQUIRED FOR TELEPHONE/DATA SERVICE WITH ASSOCIATED UTILITY. FOR BID PURPOSES, ASSUME TWO (2) 2" CONDUITS (W/PULLSTRING) TO RIGHT-OF-WAY. IN ADDITION, VERIFY ALL POINTS-OF-TERMINATION.
- 2 PRIOR TO CONSTRUCTION, EC TO FIELD-COORDINATE WITH GC/UTILITY REPRESENTATIVE FOR UNDERGROUND ELECTRICAL SERVICE.

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



2 EAST PAVILLION CONTACTORS DETAIL

E-401 SCALE NONE



3 TYPICAL LIGHTING CONTACTOR DETAIL

E-401 SCALE NONE

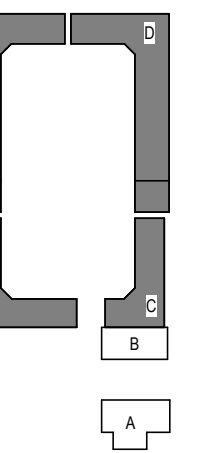
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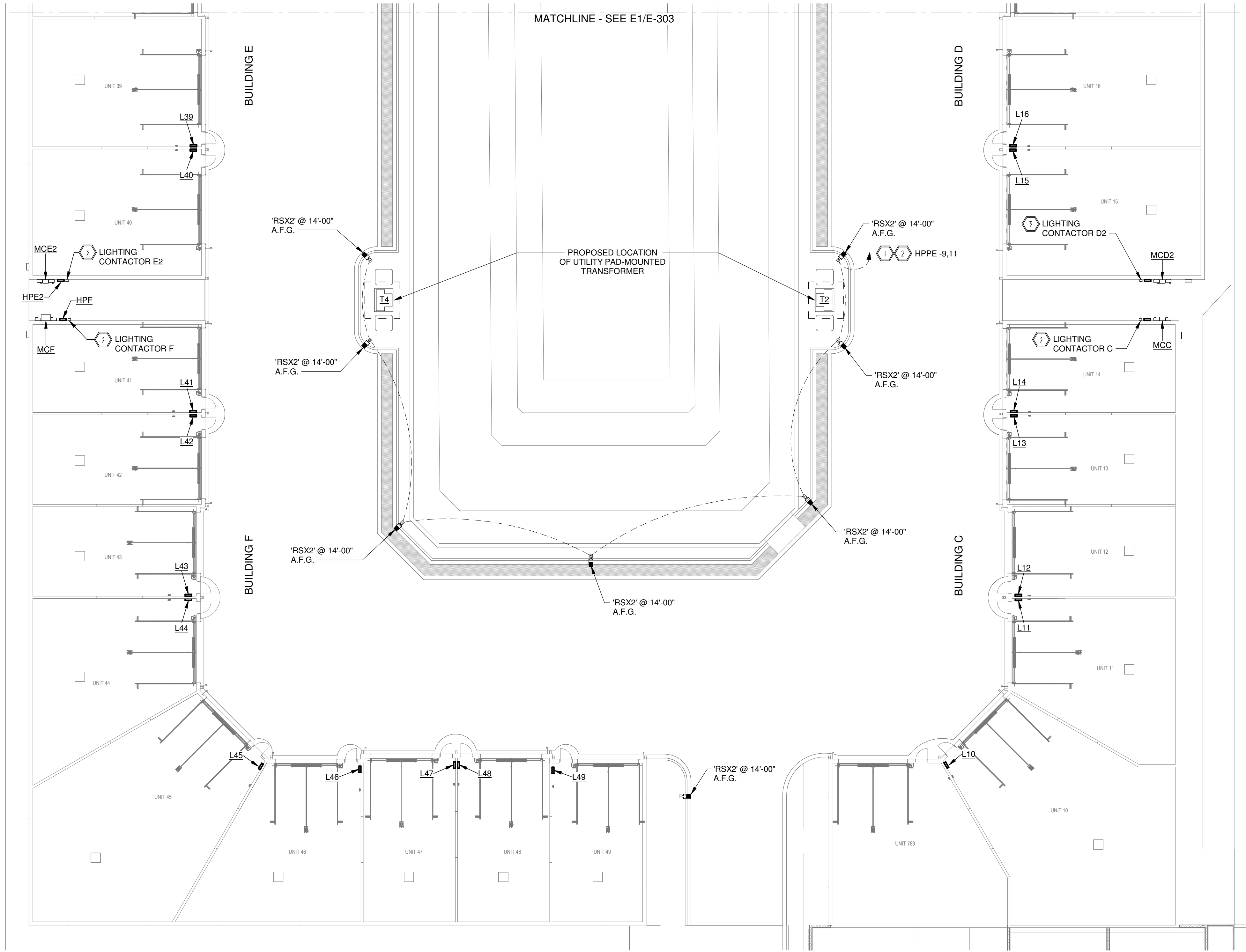


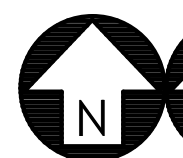
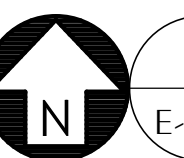
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**ELECTRICAL SITE
PLAN**

E-401

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  **1** **ELECTRICAL SOUTH SITE PLAN**
E-402 SCALE: 1/16" = 1'-0"
PROJECT NORTH TRUE NORTH

SHEET NOTES

- ENTIRE CIRCUIT TO BE A MINIMUM OF #10CU.
- ROUTE CIRCUIT VIA LIGHTING CONTACTOR PE ADJACENT TO PANEL 'HPPE'.
- REFER TO 'TYPICAL LIGHTING CONTACTOR DETAIL', ON SHEET 'E-401', FOR ADDITIONAL INFORMATION.

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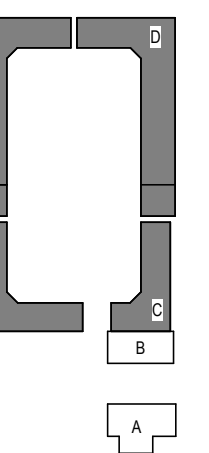
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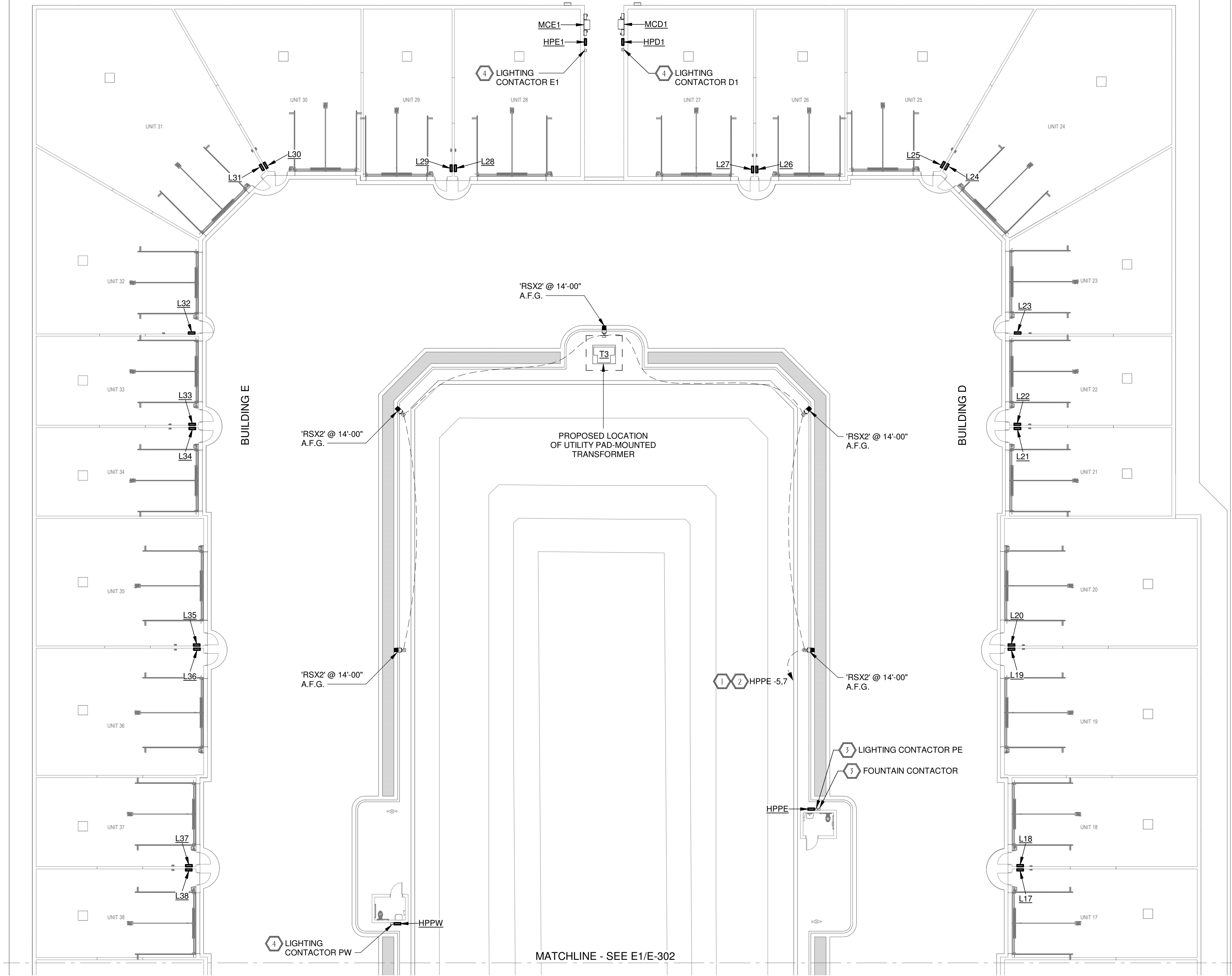
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ELECTRICAL
SOUTH SITE
PLAN

E-402

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1 ELECTRICAL NORTH SITE PLAN
E-403 / SCALE: 1/16" = 1'-0"
PROJECT NORTH TRUE NORTH

SHEET NOTES

- 1 ENTIRE CIRCUIT TO BE A MINIMUM OF #10CU.
- 2 ROUTE CIRCUIT VIA LIGHTING CONTACTOR PE ADJACENT TO PANEL 'HPPE'.
- 3 REFER TO 'EAST PAVILLION CONTACTORS DETAIL', ON SHEET 'E-401', FOR ADDITIONAL INFORMATION.
- 4 REFER TO 'TYPICAL LIGHTING CONTACTOR DETAIL', ON SHEET 'E-401', FOR ADDITIONAL INFORMATION.



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ENGINEERING**

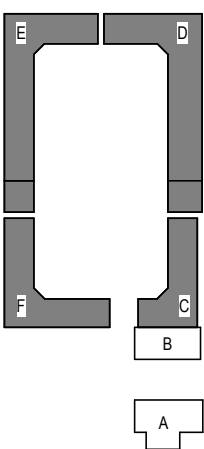
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**ELECTRICAL
NORTH SITE
PLAN
E-403**