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DISTRICT 2 COMMISSIONER
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DISTRICT 3 COMMISSIONER
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DISTRICT 4 COMMISSIONER
Maribel Gomez Cordero

DISTRICT 5 COMMISSIONER
Emily Bonilla

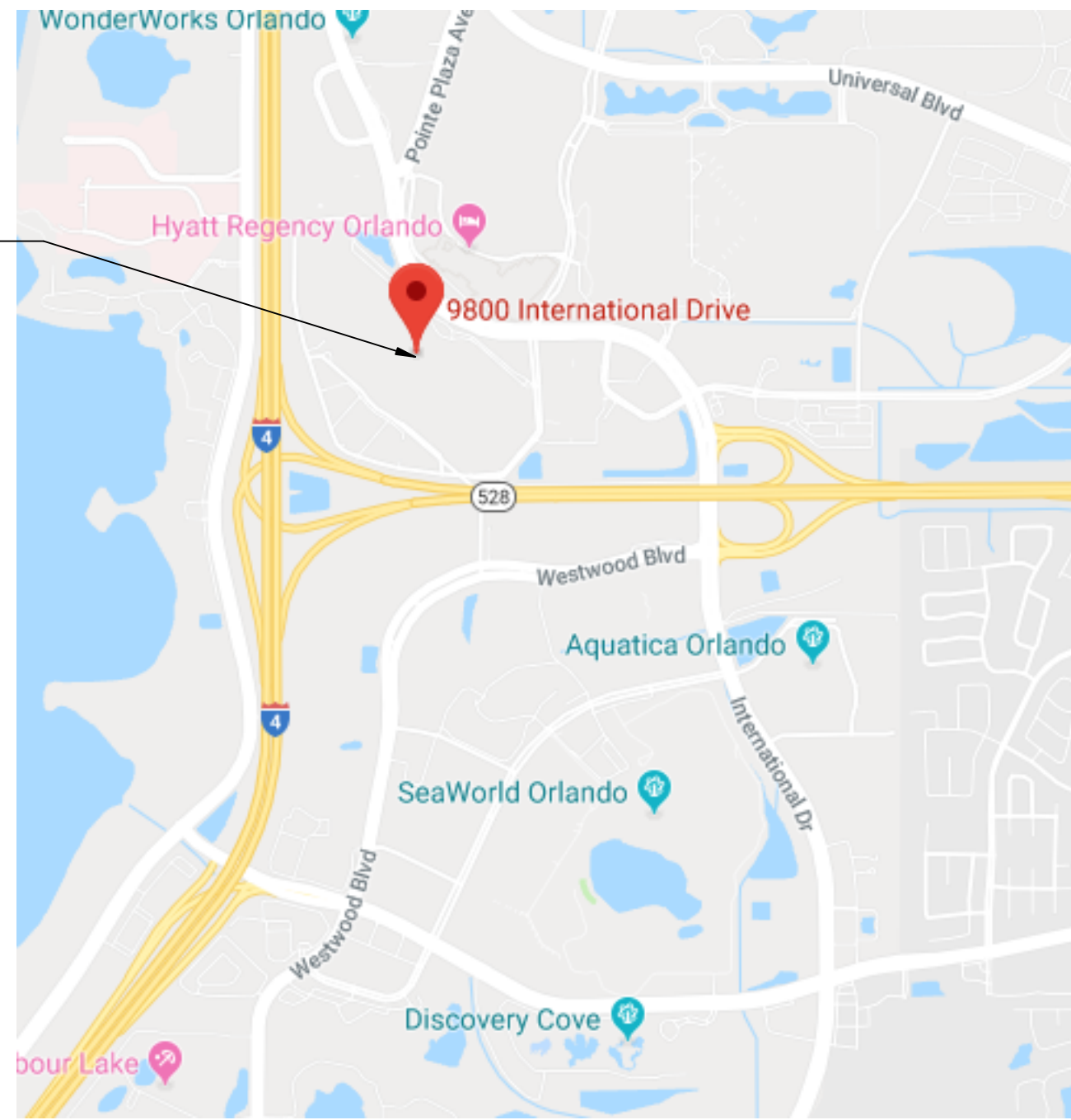
DISTRICT 6 COMMISSIONER
Victoria P. Siplin

ORANGE COUNTY PROJECT NO. : 0966-39

OCCC - WEST BUILDING HALL "A" NATURAL GAS RETROFIT

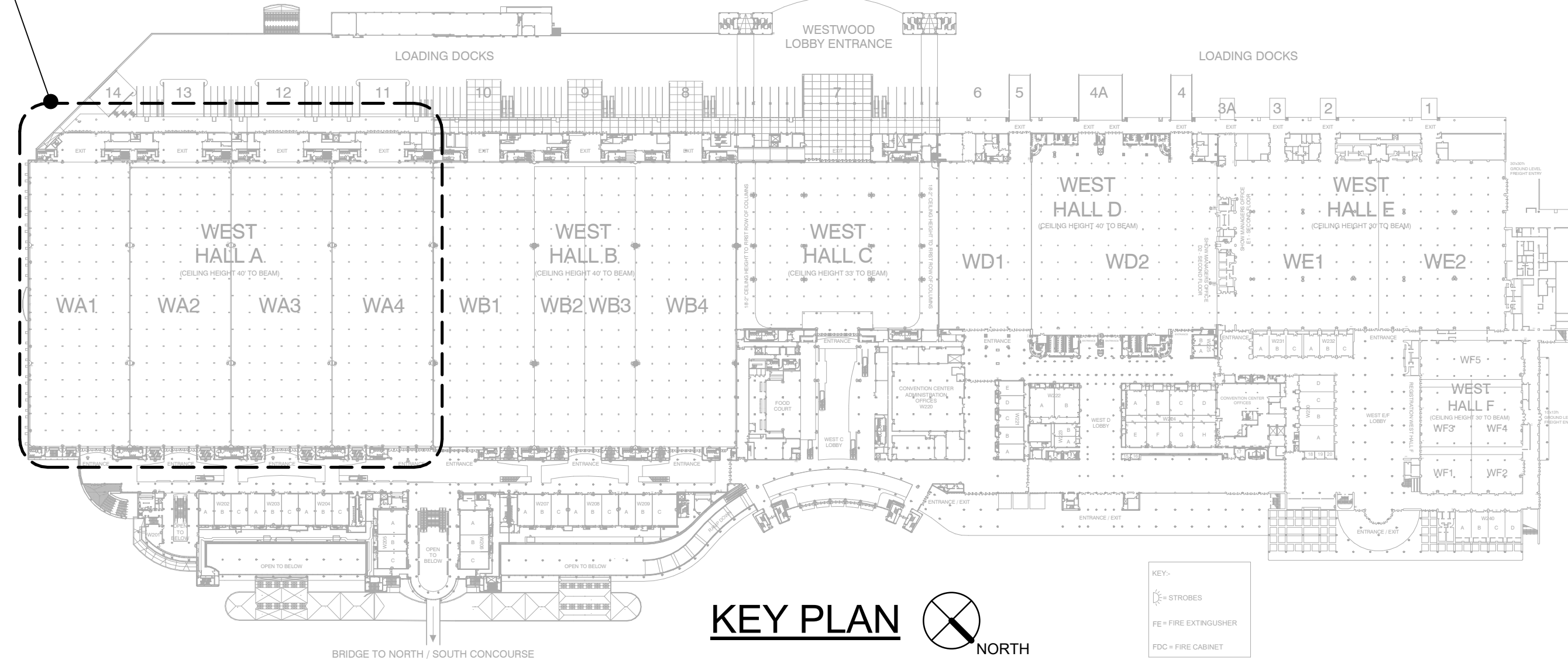
9800 International Dr.
Orlando, FL 32819

PROJECT LOCATION



ORANGE COUNTY CONVENTION CENTER WEST CONCOURSE - LEVEL II

AREA OF WORK



| PROJECT INFORMATION | |
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| SCOPE OF WORK | |
| PLUMBING: PLUMBING SCOPE INCLUDES THE ADDITION OF NATURAL GAS PIPING WITH THE WEST BUILDING "A" HALL CATWALKS TO SERVE THE NEEDS ON THE EXHIBIT FLOOR BELOW DURING SHOWS AND CONVENTIONS. PIPING SHALL CONNECT TO THE EXISTING NATURAL GAS PIPING TERMINATING AT THE END OF "B" HALL AND BE EXTENDED INTO "A" HALL. PIPING SHALL INCLUDE ELECTRIC SOLENOID VALVES FOR AUTOMATIC GAS SUPPLY SHUT-OFF VIA EMERGENCY PUSH BUTTONS LOCATED AT THE EXHIBIT FLOOR. | |
| ELECTRICAL: ELECTRICAL SCOPE INCLUDES NEW 120V WIRING FOR THE NATURAL GAS PIPING ELECTRONIC VALVES AND EMERGENCY SHUT-OFF PUSH BUTTONS. | |
| CODES IN EFFECT AT TIME OF DRAWING SUBMITTAL | |
| FLORIDA BUILDING CODE, SIXTH EDITION (2017) FLORIDA ENERGY CONSERVATION CODE, SIXTH EDITION (2017) FLORIDA ACCESSIBILITY CODE, SIXTH EDITION (2017) FLORIDA FIRE PREVENTION CODE, SIXTH EDITION (2017) NFPA 1 FIRE CODE, 2015 EDITION NFPA 101 (LIFE SAFETY CODE) 2015 EDITION WITH FL AMENDMENTS NEC (NFPA 70) 2014 EDITION | |
| TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE 2017 FLORIDA BUILDING CODE WITH ALL CURRENT AMENDMENTS. | |
| DRAWING INDEX | |
| SHEET NO. | SHEET NAME |
| G-001 | COVER SHEET |
| P-001 | PLUMBING LEGEND |
| P-400 | LEVEL 4 OVERALL PLAN - PLUMBING |
| P-407A | PARTIAL LEVEL 4 PLAN - AREA 7A - PLUMBING |
| P-407D | PARTIAL LEVEL 4 PLAN - AREA 7D - PLUMBING |
| P-408A | PARTIAL LEVEL 4 PLAN - AREA 8A - PLUMBING |
| P-408B | PARTIAL LEVEL 4 PLAN - AREA 8B - PLUMBING |
| P-408C | PARTIAL LEVEL 4 PLAN - AREA 8C - PLUMBING |
| P-408D | PARTIAL LEVEL 4 PLAN - AREA 8D - PLUMBING |
| P-411A | PARTIAL LEVEL 4 PLAN - AREA 11A - PLUMBING |
| P-411B | PARTIAL LEVEL 4 PLAN - AREA 11B - PLUMBING |
| P-411C | PARTIAL LEVEL 4 PLAN - AREA 11C - PLUMBING |
| P-411D | PARTIAL LEVEL 4 PLAN - AREA 11D - PLUMBING |
| P-412A | PARTIAL LEVEL 4 PLAN - AREA 12A - PLUMBING |
| P-412D | PARTIAL LEVEL 4 PLAN - AREA 12D - PLUMBING |
| P-801 | PLUMBING - NATURAL GAS ISOMETRIC |
| P-901 | PLUMBING DETAILS |
| E-001 | GENERAL ELECTRICAL NOTES, LEGEND AND ABBREVIATIONS |
| E-102 | ELECTRICAL OVERALL FLOOR PLAN - LEVEL 2 |
| E-104 | ELECTRICAL OVERALL FLOOR PLAN - LEVEL 4 |
| E-207A | PARTIAL LEVEL 2 - AREA 7A - POWER |
| E-207D | PARTIAL LEVEL 2 - AREA 7D - POWER |
| E-209B | PARTIAL LEVEL 2 - AREA 9B - POWER |
| E-209C | PARTIAL LEVEL 2 - AREA 9C - POWER |
| E-210B | PARTIAL LEVEL 2 - AREA 10B - POWER |
| E-210C | PARTIAL LEVEL 2 - AREA 10C - POWER |
| E-212A | PARTIAL LEVEL 2 - AREA 12A - POWER |
| E-212D | PARTIAL LEVEL 2 - AREA 12D - POWER |
| E-407A | PARTIAL LEVEL 4 - AREA 7A - POWER |
| E-407D | PARTIAL LEVEL 4 - AREA 7D - POWER |
| E-412A | PARTIAL LEVEL 4 - AREA 12A - POWER |
| E-412D | PARTIAL LEVEL 4 - AREA 12D - POWER |
| E-601 | PANEL SCHEDULES AND DETAILS |

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SEAL
OCCC - WEST BUILDING, HALL "A" NATURAL GAS RETROFIT

9800 International Dr.
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 REVIEWED BY: DH/SP
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 SHEET TITLE
 COVER SHEET

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PLUMBING ENGINEERS



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TAMPA, FL 33602
TEL: (888) 891-9713

BID DOCUMENTS
JUNE 06, 2019

BID DOCUMENTS
G-001

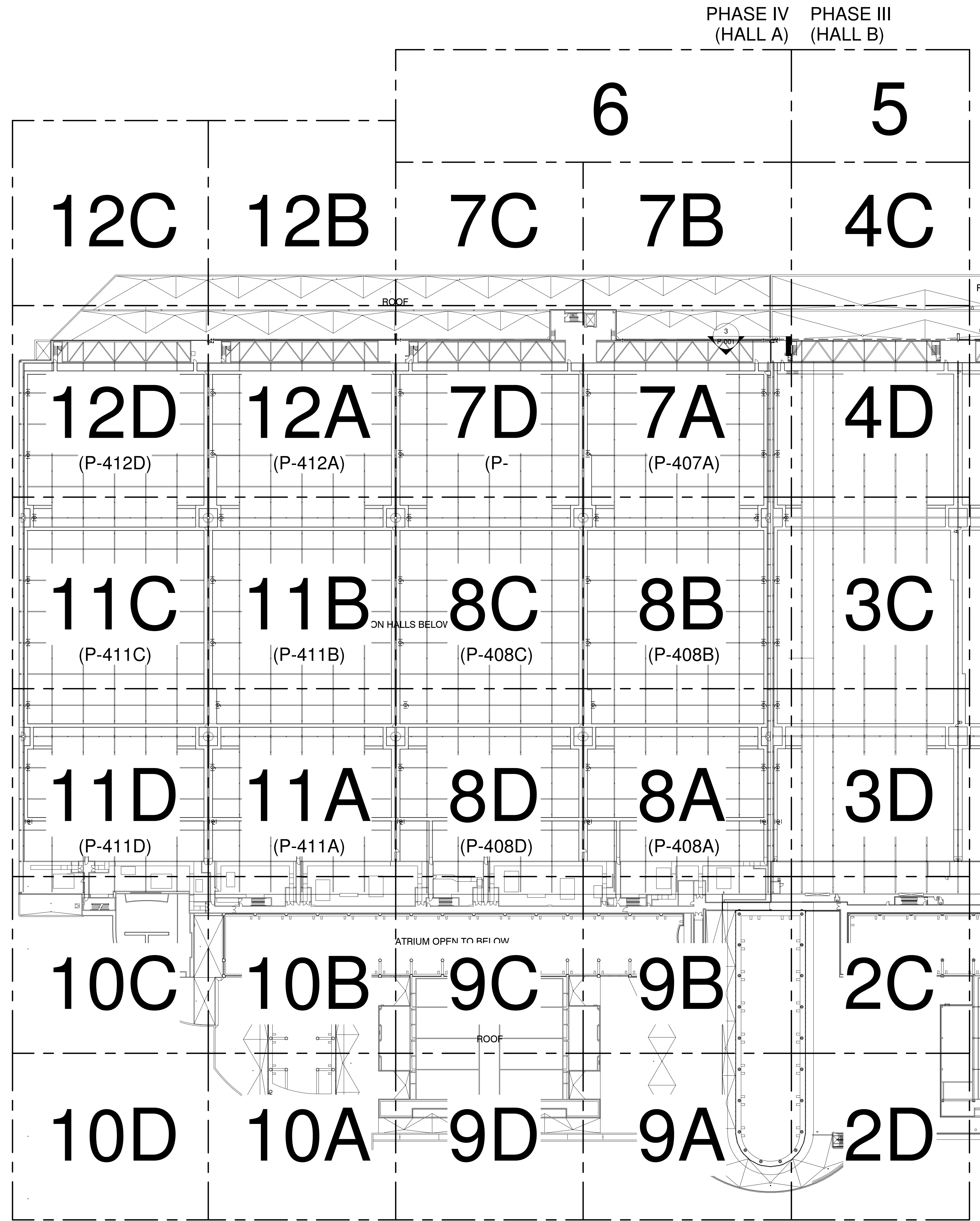
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1 PLUMBING OVERALL FLOOR PLAN - LEVEL 4
 SCALE: 1" = 50'-0"

PHASE IV (HALL A) PHASE III (HALL B)

KEYPLAN

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| | | 6 | | 5 |
| 12 | 12B | 7C | 7B | 4C |
| 12 | 12A | 7D | 7A | 4D |
| 11 | 11B | 8C | 8B | 3C |
| 11 | 11A | 8D | 8A | 3D |
| 10 | 10B | 9C | 9B | 2C |
| 10 | 10A | 9D | 9A | 2D |



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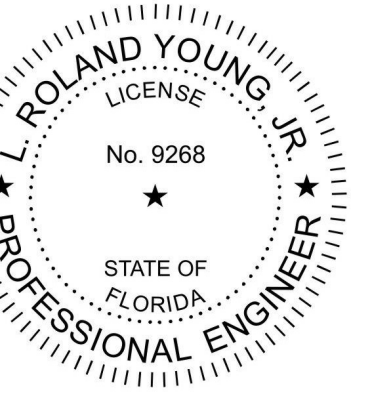
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 COA #27158
 Project No: 03.18007
 Engineer of Record:
 L. Roland Young, Jr.
 P.E. #9268 FL.



Orange
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SEA

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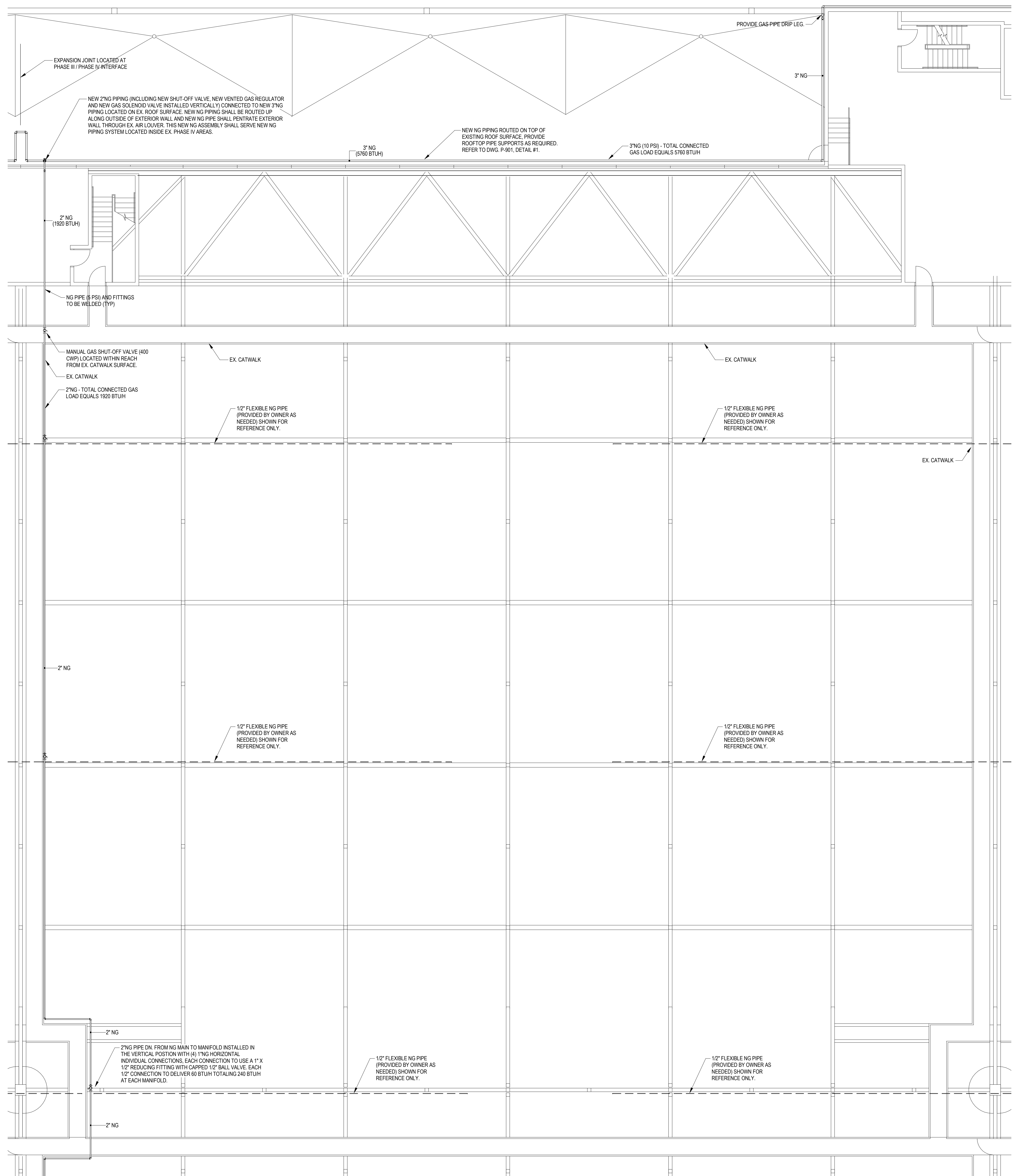
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 SHEET TITLE
 LEVEL 4 OVERALL
 PLAN - PLUMBING

BID DOCUMENTS
 P-400

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1 FOURTH FLOOR PLAN - AREA 7D
SCALE: 1/8" = 1'-0"

PRESSURE GENERAL NOTES

1. NATURAL GAS PIPING SHOWN INSIDE THE EXISTING BUILDINGS ENVELOPE AND ABOVE CONVENTION FLOOR AREA SHALL BE INSTALLED ABOVE EXISTING CATWALK PATHS. GAS PIPING SHALL BE OFFSET TOWARDS THE RAIL SIDE OF CATWALK PATH TO ALLOW READY ACCESS TO NEW GAS PIPING DROPS TO MANIFOLD AND VALVE ASSEMBLIES AND TO KEEP CATWALK PATH CLEAR.
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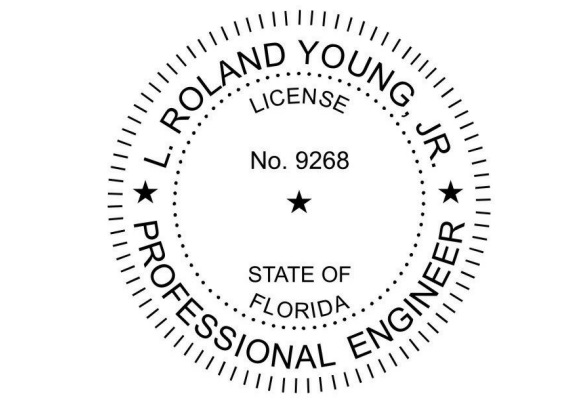
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Engineer of Record:
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P.E. #9268 FL.



SEA
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NATURAL GAS RETROFIT

KEYPLAN

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| | | | 6 | 5 | |
| 12 | 12B | 7C | 7B | 4C | |
| 12 | 12A | 7D | 7A | 4D | |
| 11 | 11B | 8C | 8B | 3C | |
| 11 | 11A | 8D | 8A | 3D | |
| 10 | 10B | 9C | 9B | 2C | |
| 10 | 10A | 9D | 9A | 2D | |

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PARTIAL LEVEL 4
PLAN - AREA 7D -
PLUMBING

BID DOCUMENTS
P-407D

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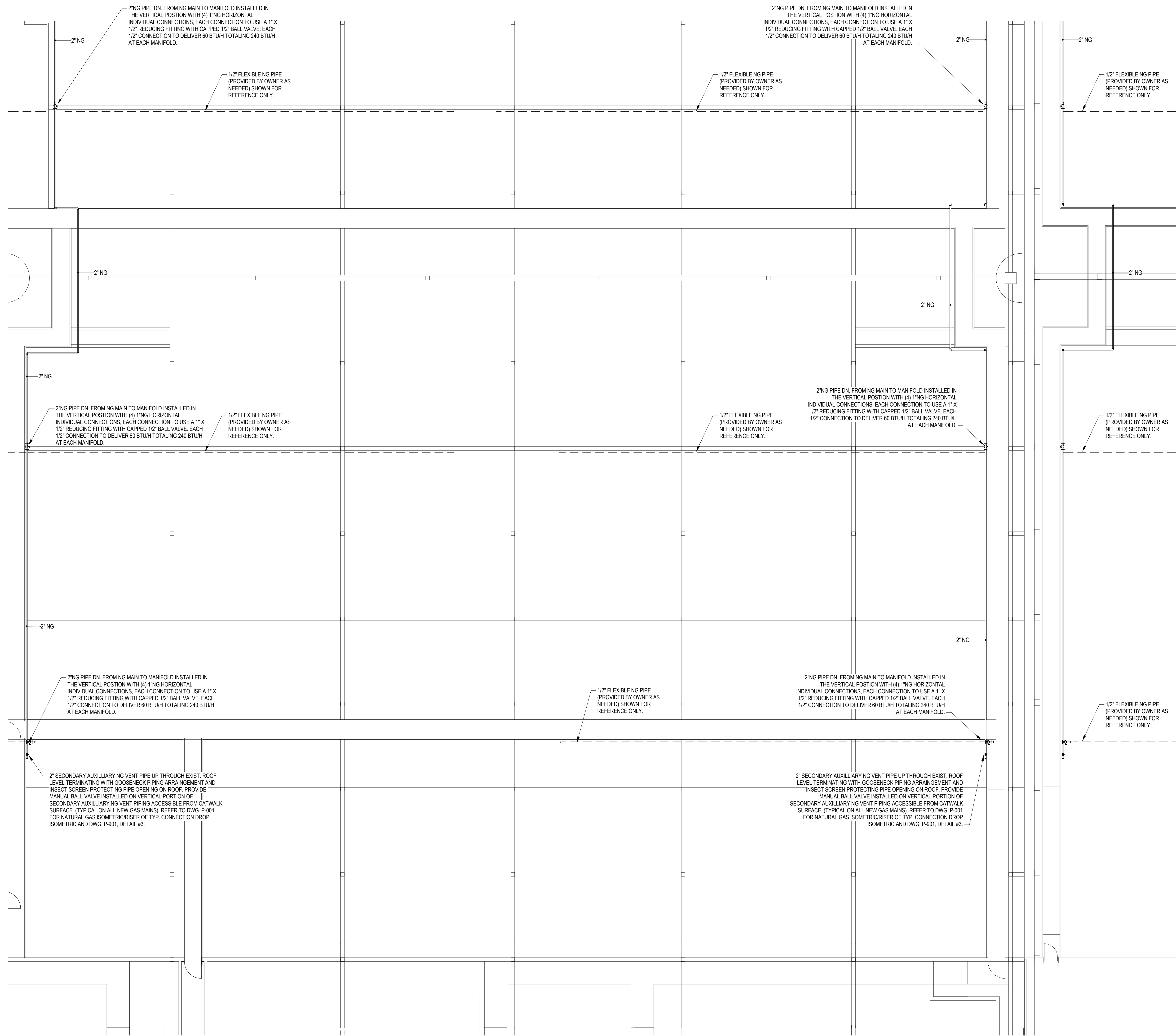
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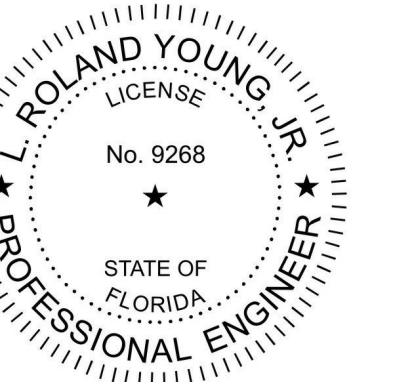
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 Project No: 03.18007
 Engineer of Record:
 L. Roland Young, Jr.
 P.E. #9268 FL.



SEA
 OCC - WEST BUILDING, HALL "A"
 NATURAL GAS RETROFIT

KEYPLAN

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| | | | 6 | 5 | |
| 12 | 12B | 7C | 7B | 4C | |
| 12 | 12A | 7D | 7A | 4D | |
| 11 | 11B | 8C | 8B | 3C | |
| 11 | 11A | 8D | 8A | 3D | |
| 10 | 10B | 9C | 9B | 2C | |
| 10 | 10A | 9D | 9A | 2D | |

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 PARTIAL LEVEL 4
 PLAN - AREA 8A -
 PLUMBING

BID DOCUMENTS
 P-408A

1 FOURTH FLOOR PLAN - AREA 8A
 SCALE: 1/8" = 1'-0"

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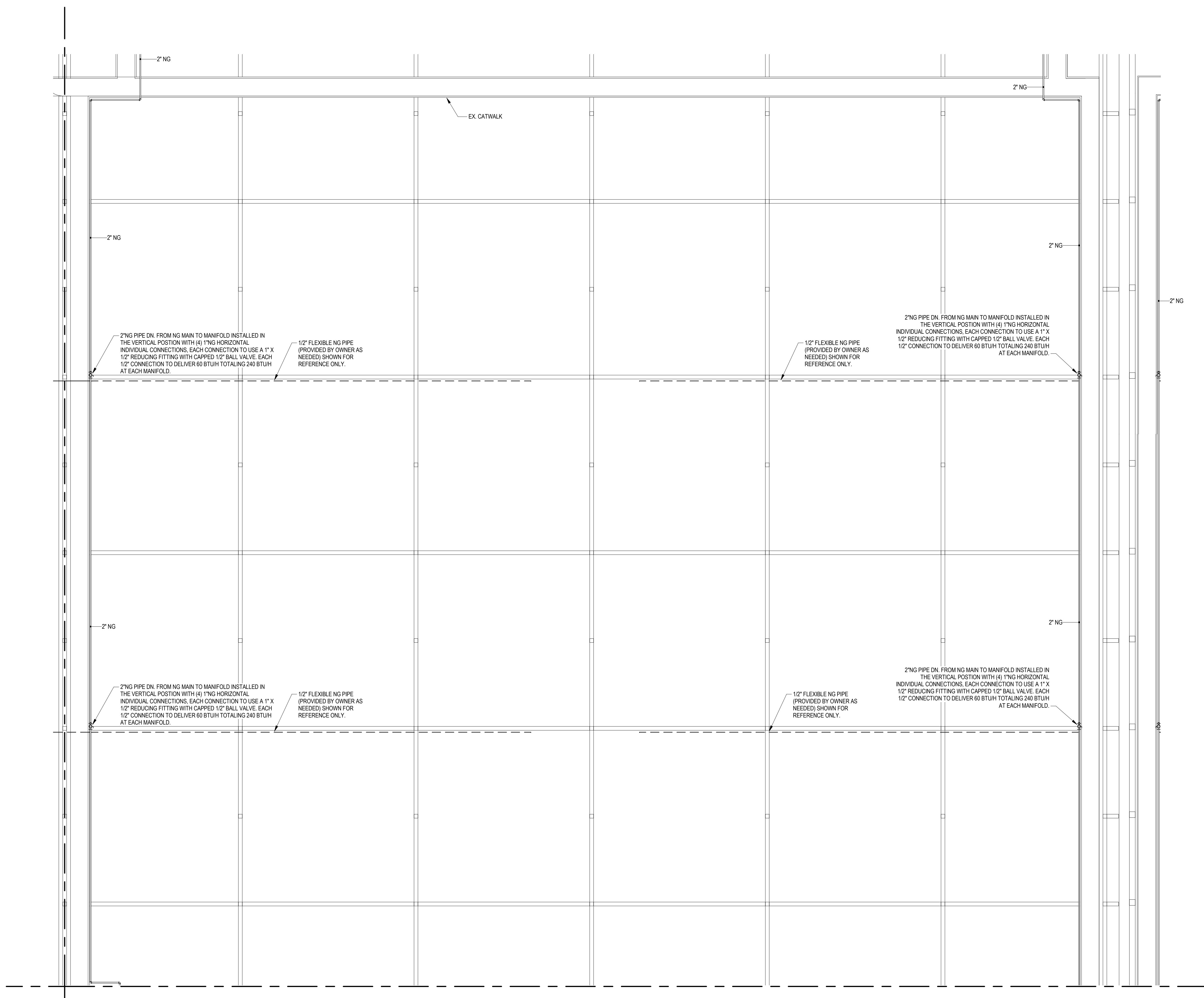
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1 FOURTH FLOOR PLAN - AREA 8B
SCALE: 1/8" = 1'-0"

PRESSURE GENERAL NOTES

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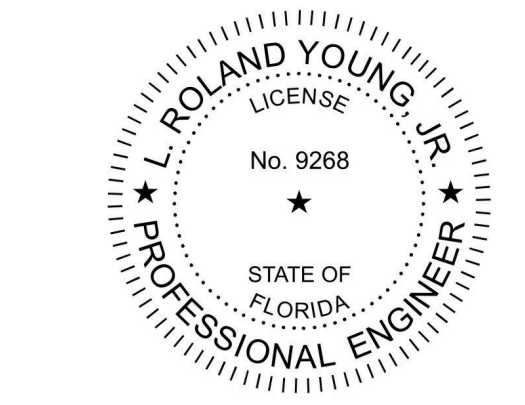
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COA #27158
Project No: 03.18007
Engineer of Record:
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P.E. #9268 FL.



SEA
OCCC - WEST
BUILDING, HALL "A"
NATURAL GAS
RETROFIT

KEYPLAN

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| | | 6 | 5 | |
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| 12 | 12A | 7D | 7A | 4D |
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| 11 | 11A | 8D | 8A | 3D |
| 10 | 10B | 9C | 9B | 2C |
| 10 | 10A | 9D | 9A | 2D |

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SHEET TITLE
PARTIAL LEVEL 4
PLAN - AREA 8B -
PLUMBING

BID DOCUMENTS
P-408B

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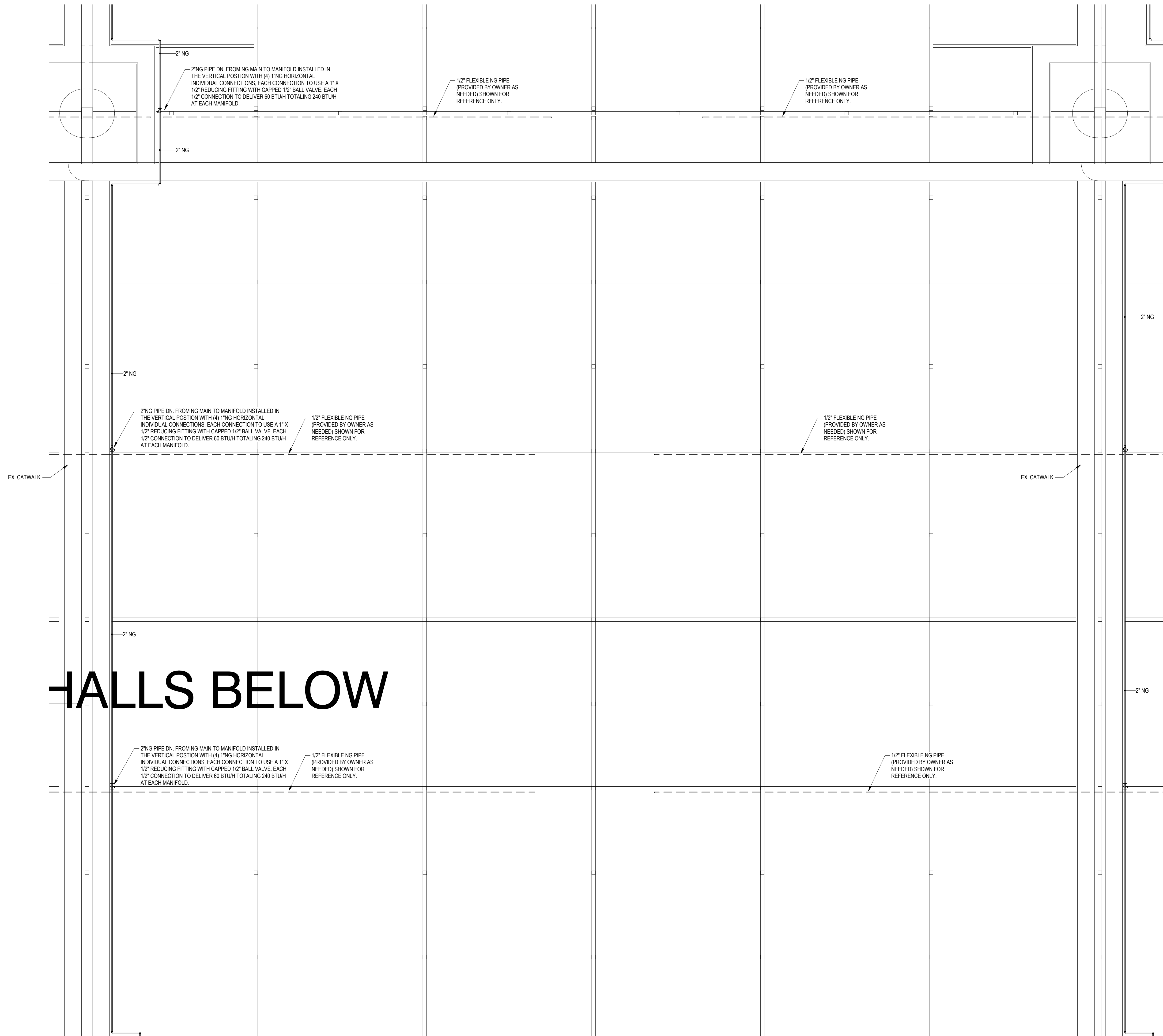
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FALLS BELOW

PRESSURE GENERAL NOTES

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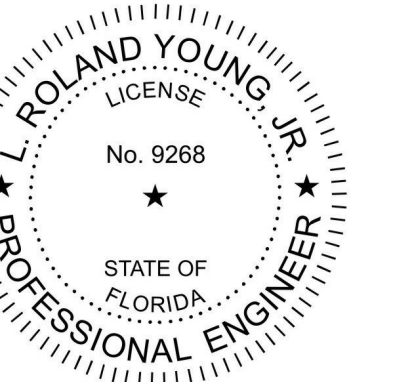
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Project No: 03.18007
Engineer of Record:
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P.E. #9268 FL.



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SEA

OCCC - WEST
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NATURAL GAS
RETROFIT

KEYPLAN

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PLAN - AREA 8C -
PLUMBING

BID DOCUMENTS
P-408C

1 FOURTH FLOOR PLAN - AREA 8C

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

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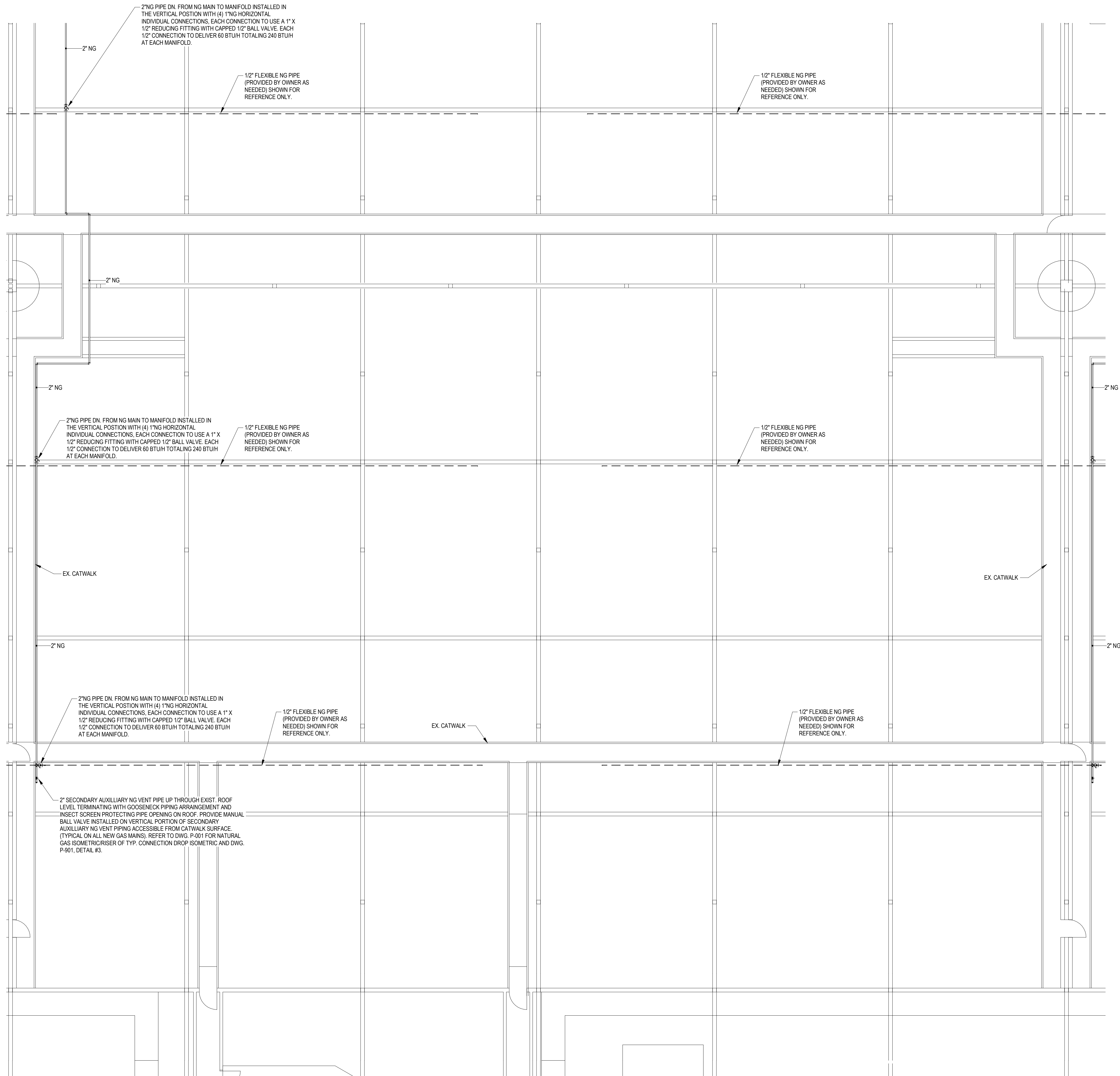
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1 FOURTH FLOOR PLAN - AREA 8D
SCALE: 1/8" = 1'-0"

PRESSURE GENERAL NOTES

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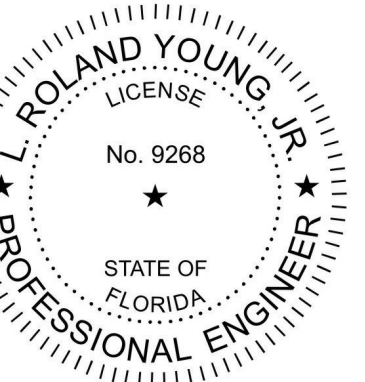
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**Orange
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Center**

SEA

OCOC - WEST
BUILDING, HALL "A"
NATURAL GAS
RETROFIT

KEYPLAN

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| 12 | 12B | 7C | 7B | 4C | |
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PLAN - AREA 8D -
PLUMBING

BID DOCUMENTS
P-408D

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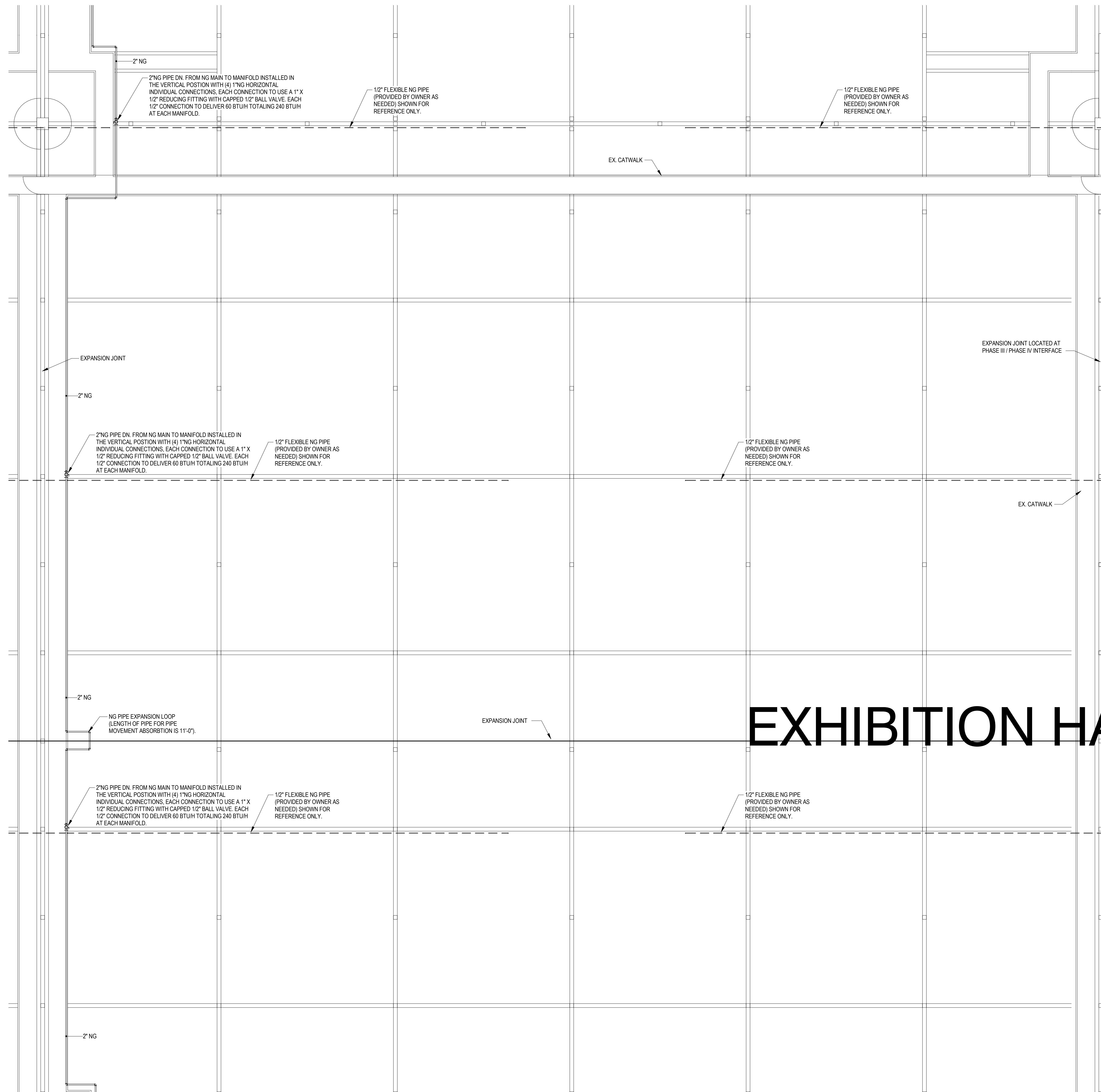
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1 FOURTH FLOOR PLAN - AREA 11B
SCALE: 1/8" = 1'-0"

PRESSURE GENERAL NOTES

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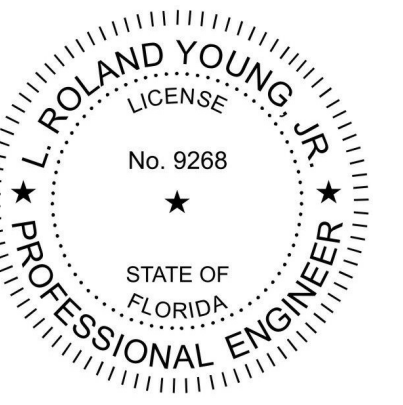
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COA #27158
Project No: 03.18007
Engineer of Record:
L. Roland Young, Jr.
P.E. #9268 FL.



SEA
OCCC - WEST BUILDING, HALL "A"
NATURAL GAS RETROFIT

KEYPLAN

| | | | | |
|----|------------|----|----|----|
| | | 6 | 5 | |
| 12 | 12B | 7C | 7B | 4C |
| 12 | 12A | 7D | 7A | 4D |
| 11 | 11B | 8C | 8B | 3C |
| 11 | 11A | 8D | 8A | 3D |
| 10 | 10B | 9C | 9B | 2C |
| 10 | 10A | 9D | 9A | 2D |

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ISSUE: 06/06/19
PROJECT NO: 17G0189
DESIGN BY: RJS
DRAWN BY: RJS
REVIEWED BY:

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SHEET TITLE
PARTIAL LEVEL 4
PLAN - AREA 11B -
PLUMBING

BID DOCUMENTS
P-411B

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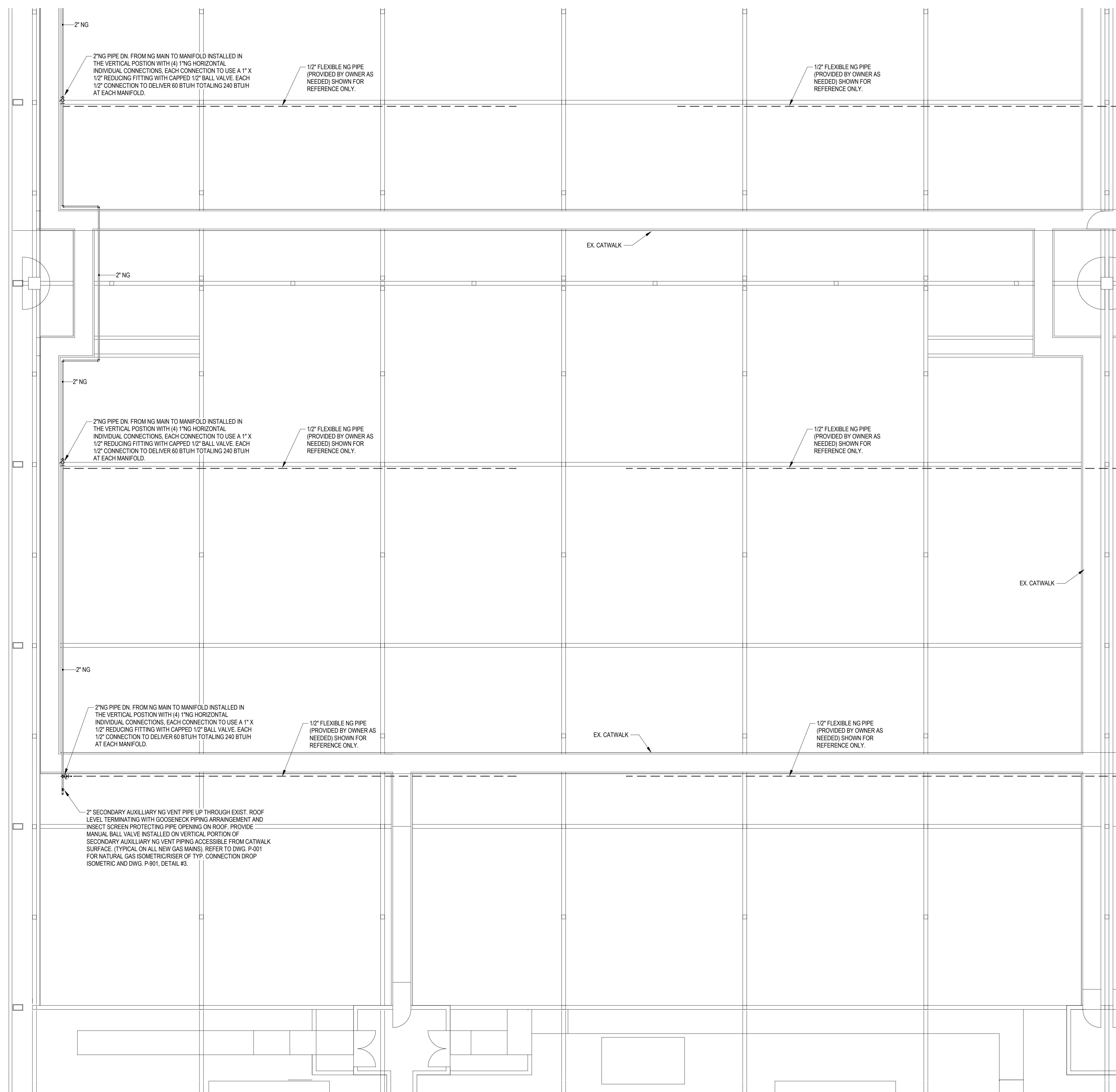
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1 FOURTH FLOOR PLAN - AREA 11D

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

PRESSURE GENERAL NOTES

- NATURAL GAS PIPING SHOWN INSIDE THE EXISTING BUILDINGS ENVELOPE AND ABOVE CONVENTION FLOOR AREA SHALL BE INSTALLED ABOVE EXISTING CATWALK PATHS. GAS PIPING SHALL BE OFFSET TOWARDS THE RAIL SIDE OF CATWALK PATH TO ALLOW READY ACCESS TO NEW GAS PIPING DROPS TO MANIFOLD AND VALVE ASSEMBLIES AND TO KEEP CATWALK PATH CLEAR.
- NATURAL GAS MANIFOLD SHALL BE INSTALLED IN THE VERTICAL POSITION AND VALVE ASSEMBLIES SHALL BE INSTALLED IN A HORIZONTAL POSITION.
- HORIZONTAL NATURAL GAS VALVE ASSEMBLIES SHALL BE INSTALLED 5'-0" OFF OF EXISTING CATWALK SURFACE (SO THE MIDDLE OF VALVE ASSEMBLY IS 5'-0" ABOVE CATWALK SURFACE).



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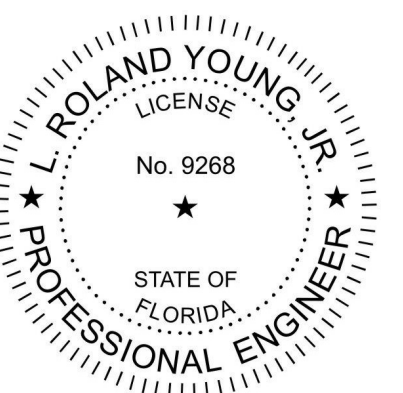
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SEA
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NATURAL GAS
RETROFIT

KEYPLAN

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| | | 6 | 5 | |
| 12 | 12B | 7C | 7B | 4C |
| 12 | 12A | 7D | 7A | 4D |
| 11 | 11B | 8C | 8B | 3C |
| 11 | 11A | 8D | 8A | 3D |
| 10 | 10B | 9C | 9B | 2C |
| 10 | 10A | 9D | 9A | 2D |

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PARTIAL LEVEL 4
PLAN - AREA 11D -
PLUMBING

BID DOCUMENTS
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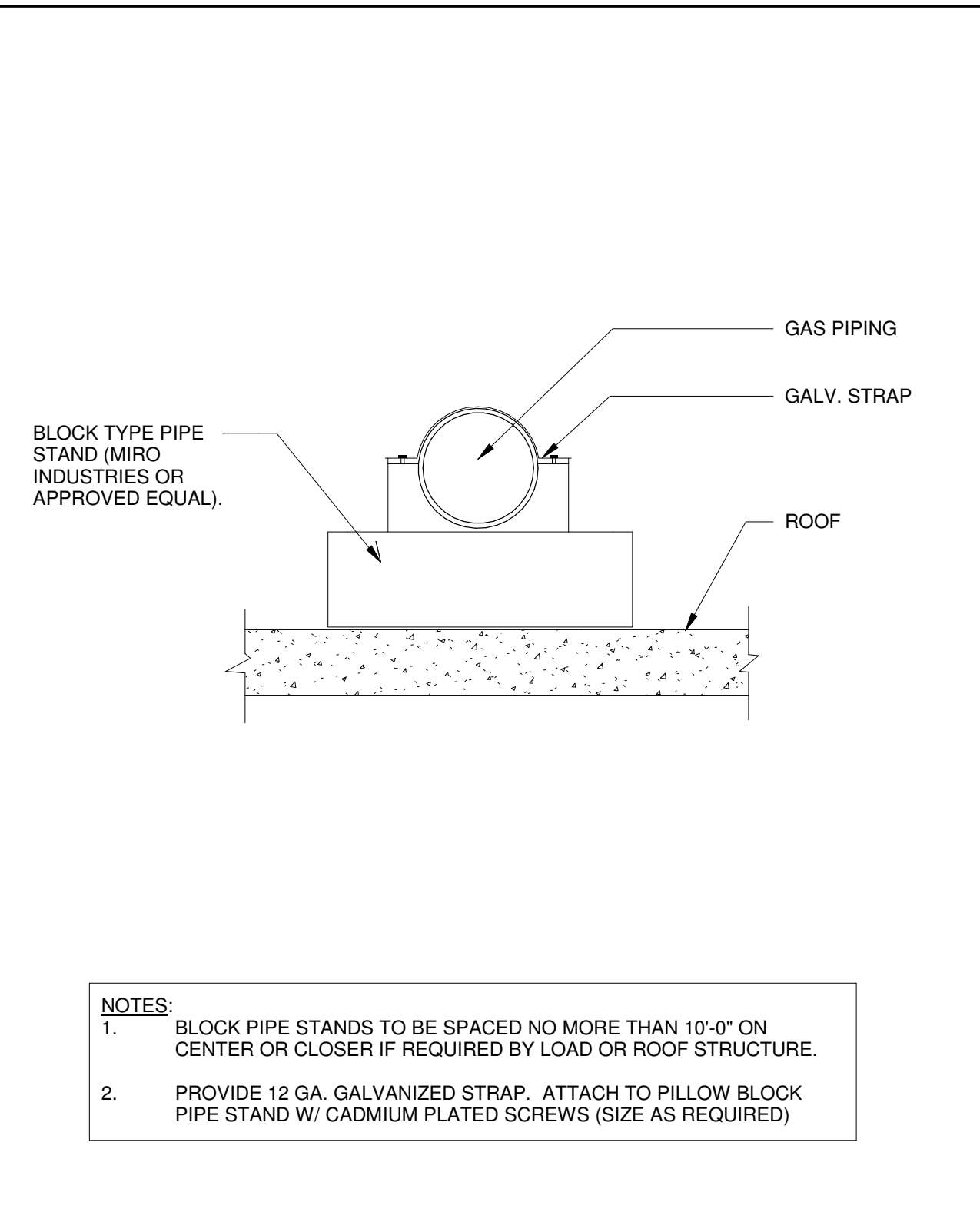
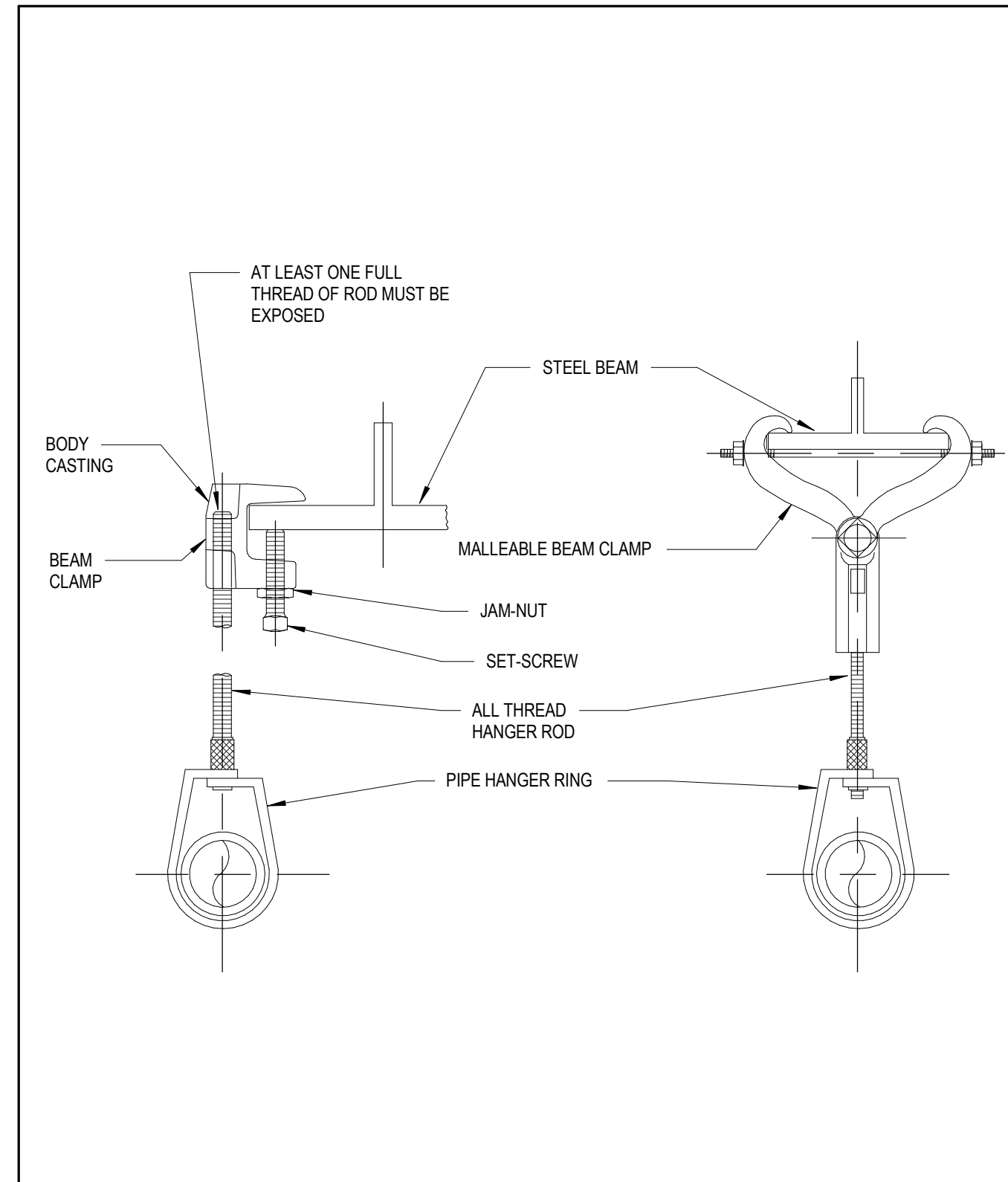
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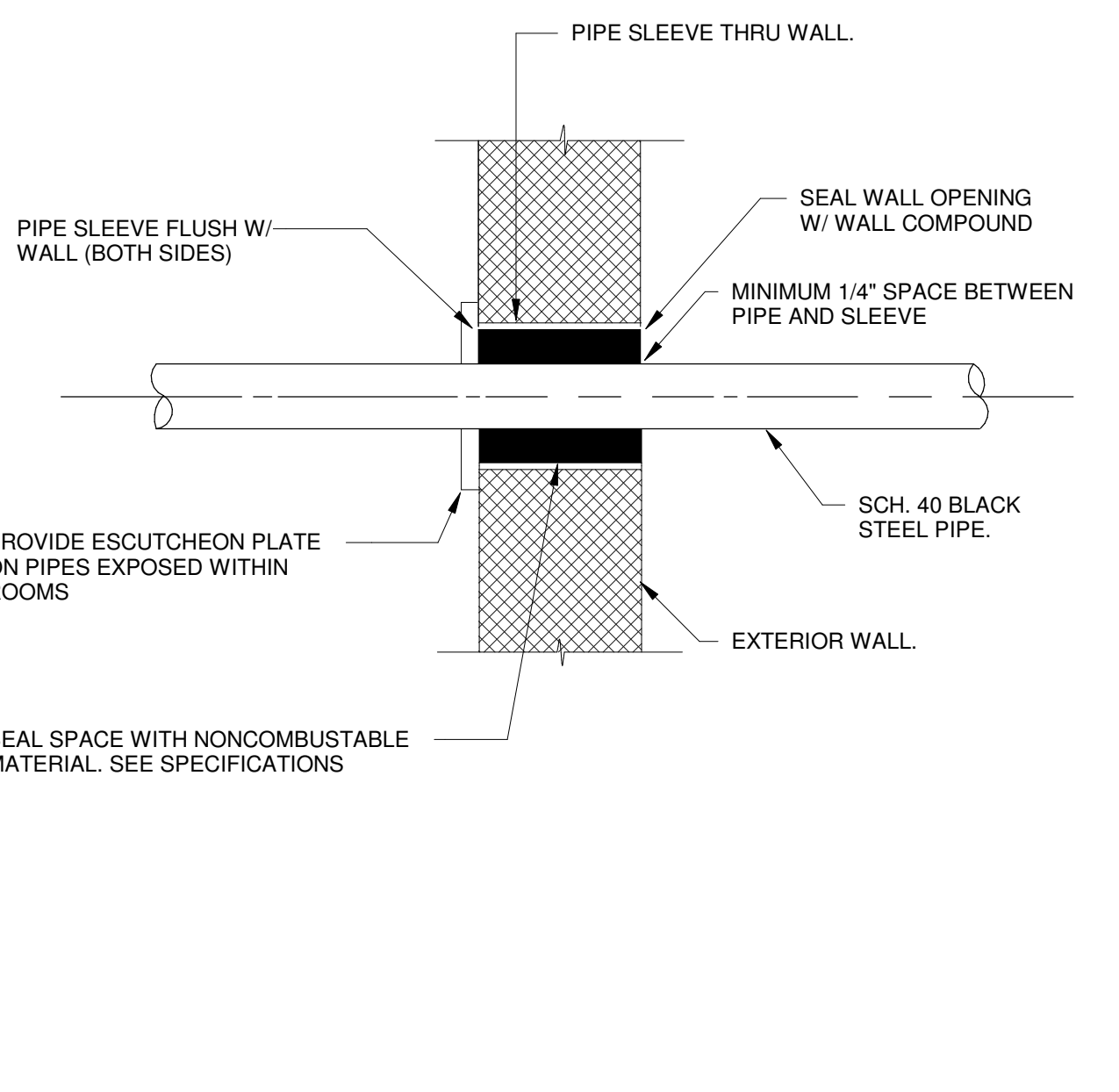
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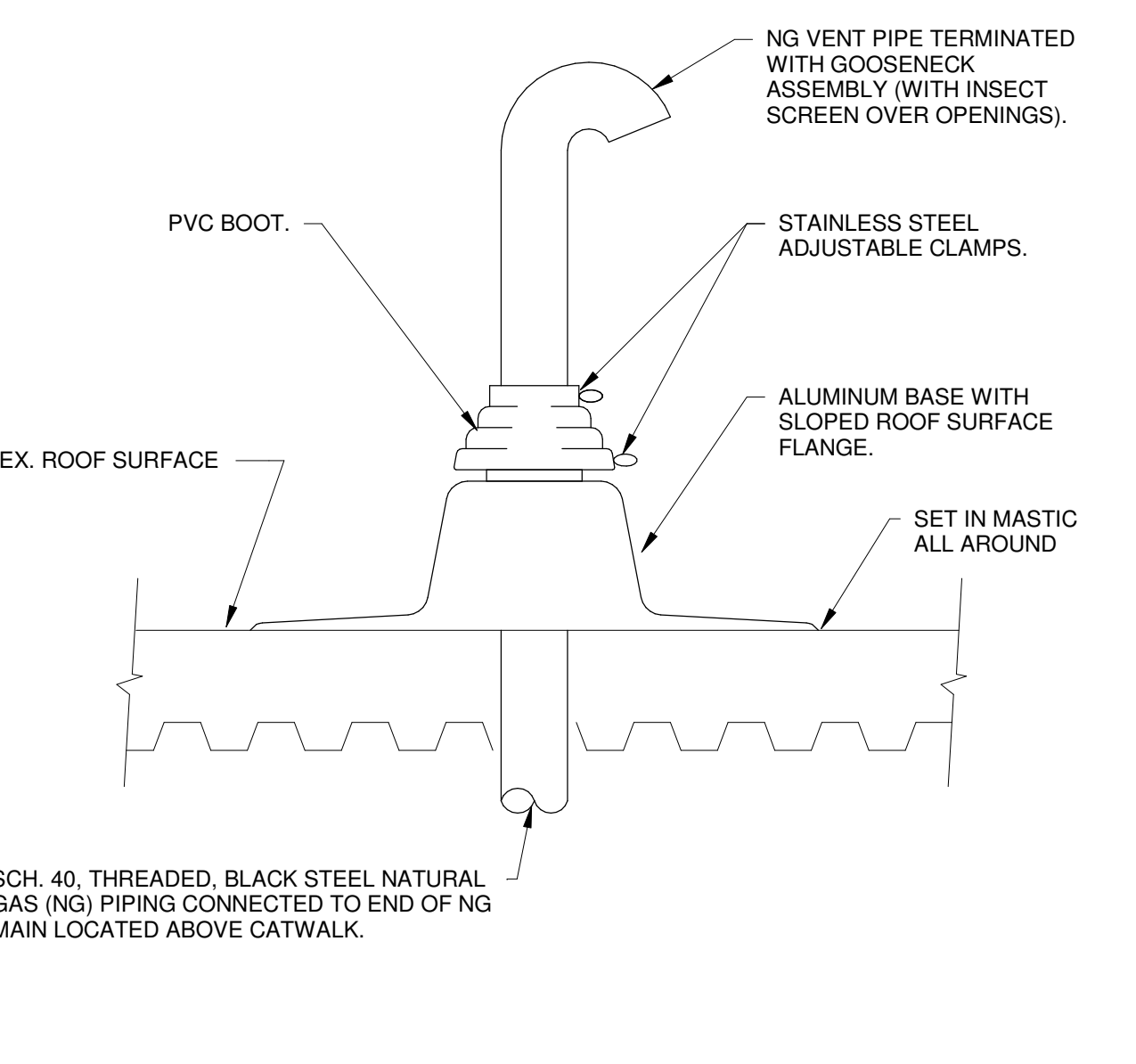
NOTES:
 1. BLOCK PIPE STANDS TO BE SPACED NO MORE THAN 10'-0" ON CENTER OR CLOSER IF REQUIRED BY LOAD OR ROOF STRUCTURE.
 2. PROVIDE 12 GA. GALVANIZED STRAP. ATTACH TO PILLLOW BLOCK PIPE STAND W/ CADMIUM PLATED SCREWS (SIZE AS REQUIRED)

U.L./F.M. APPROVED BEAM CLAMP PIPE HANGER

4 GAS PIPE SUPPORT 1



PIPE SLEEVE THROUGH RATED WALL 2



SCH. 40, THREADED, BLACK STEEL NATURAL GAS (NG) PIPING CONNECTED TO END OF NG MAIN LOCATED ABOVE CATWALK.

NOTE:
 PIPE SEAL ASSEMBLY SHALL UTILIZE ONE PIECE SPUN ALUMINUM BASE WITH FULL FIVE INCH SLOPED ROOF SURFACE FLANGE WITH GRADUATED STEP PVC BOOT AND ADJUSTABLE STAINLESS STEEL CLAMPS EQUAL TO THE PATE COMPANY OR APPROVED EQUAL.

PIPING ROOF PENETRATION DETAIL 3



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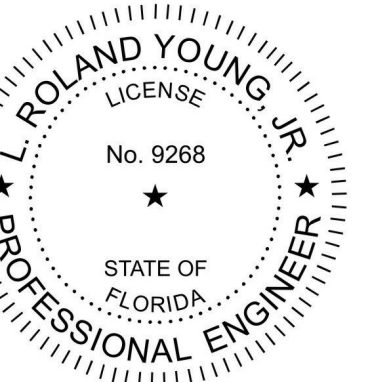
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PLUMBING DETAILS

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ABBREVIATIONS

Table of abbreviations including AC - ALTERNATING CURRENT, AFF - ABOVE FINISHED FLOOR, AHU - AIR HANDLING UNIT, etc.

ELECTRICAL SYMBOL LEGEND

LIGHTING

Table of lighting symbols including HT AFF, SYMBOL, and DESCRIPTION for various light fixtures and controls.

DEVICES

Table of device symbols including HT AFF, SYMBOL, and DESCRIPTION for switches, relays, and breakers.

RACEWAY & CONDUCTORS

Table of raceway and conductor symbols including HT AFF, SYMBOL, and DESCRIPTION for various conduit and raceway types.

EQUIPMENT

Table of equipment symbols including SYMBOL and DESCRIPTION for circuit breaker panels, cabinets, and transformers.

ELECTRICAL GENERAL NOTES

- 1. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2014 NATIONAL ELECTRICAL CODE, THE FLORIDA BUILDING CODE, THE NATIONAL FIRE CODES, STATE REQUIREMENTS AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ALL REQUIREMENTS NOT INDICATED ON THE DRAWINGS.
3. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT...

GENERAL SYMBOLS

Table of general symbols including SECTION/DETAIL DESIGNATIONS, EQUIPMENT DESIGNATION, SHEET NOTE, DEMOLITION HATCHING, ITEMS SHOWN DASHED AND RELATIVELY LIGHT, REVISION CLOUD AND REFERENCE NUMBER, and CENTERLINE.

ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED. DEVICES INDICATED AT 48" MAY NOT BE INSTALLED WITH ANY OPERABLE PART HIGHER THAN 48". DEVICES MAY BE INSTALLED IN CONCRETE MASONRY UNITS WITH THE TOP OF THE DEVICE AT 48".

ELECTRICAL SYMBOL NOTES

Table of electrical symbol notes including LIGHT FIXTURE LABELING, EXIT LIGHTS, DEVICES, TRANSFORMERS, MOTOR CONNECTIONS, and CONDUIT SHOWN WITHOUT SLASH MARKS.

NOTE: SOME SYMBOLS SHOWN IN ELECTRICAL LEGEND MAY NOT APPLY TO THIS PROJECT.



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Table with columns MARK, DATE, and DESCRIPTION for tracking changes.

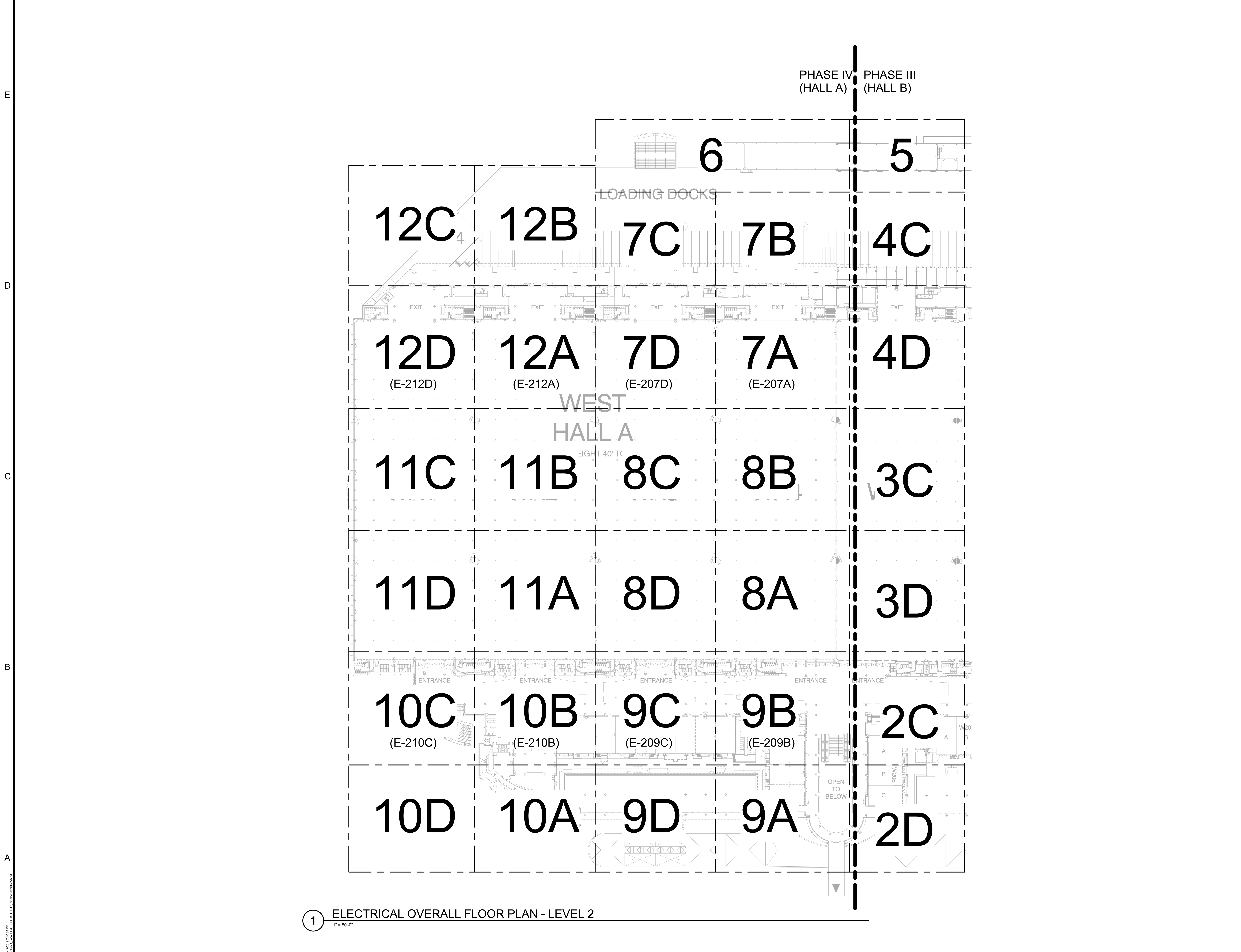
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GENERAL ELECTRICAL NOTES, LEGEND AND ABBREVIATIONS

BID DOCUMENTS

E-001



1 ELECTRICAL OVERALL FLOOR PLAN - LEVEL 2
1" = 50'-0"



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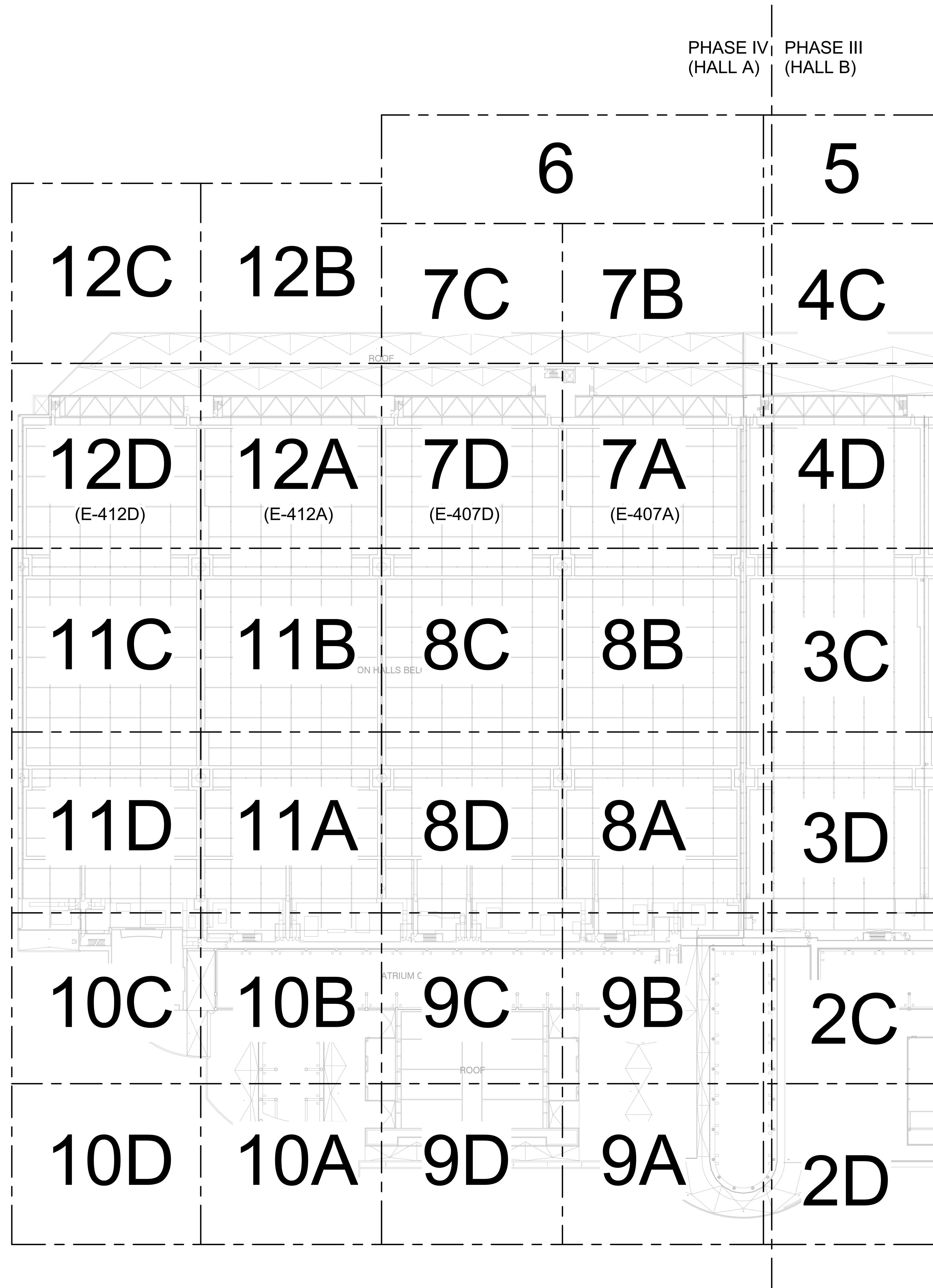
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ELECTRICAL
OVERALL FLOOR
PLAN - LEVEL 2



PHASE IV (HALL A) | PHASE III (HALL B)

1 ELECTRICAL OVERALL FLOOR PLAN - LEVEL 4
SCALE: 1" = 50'-0"



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SHEET TITLE
ELECTRICAL
OVERALL FLOOR
PLAN - LEVEL 4

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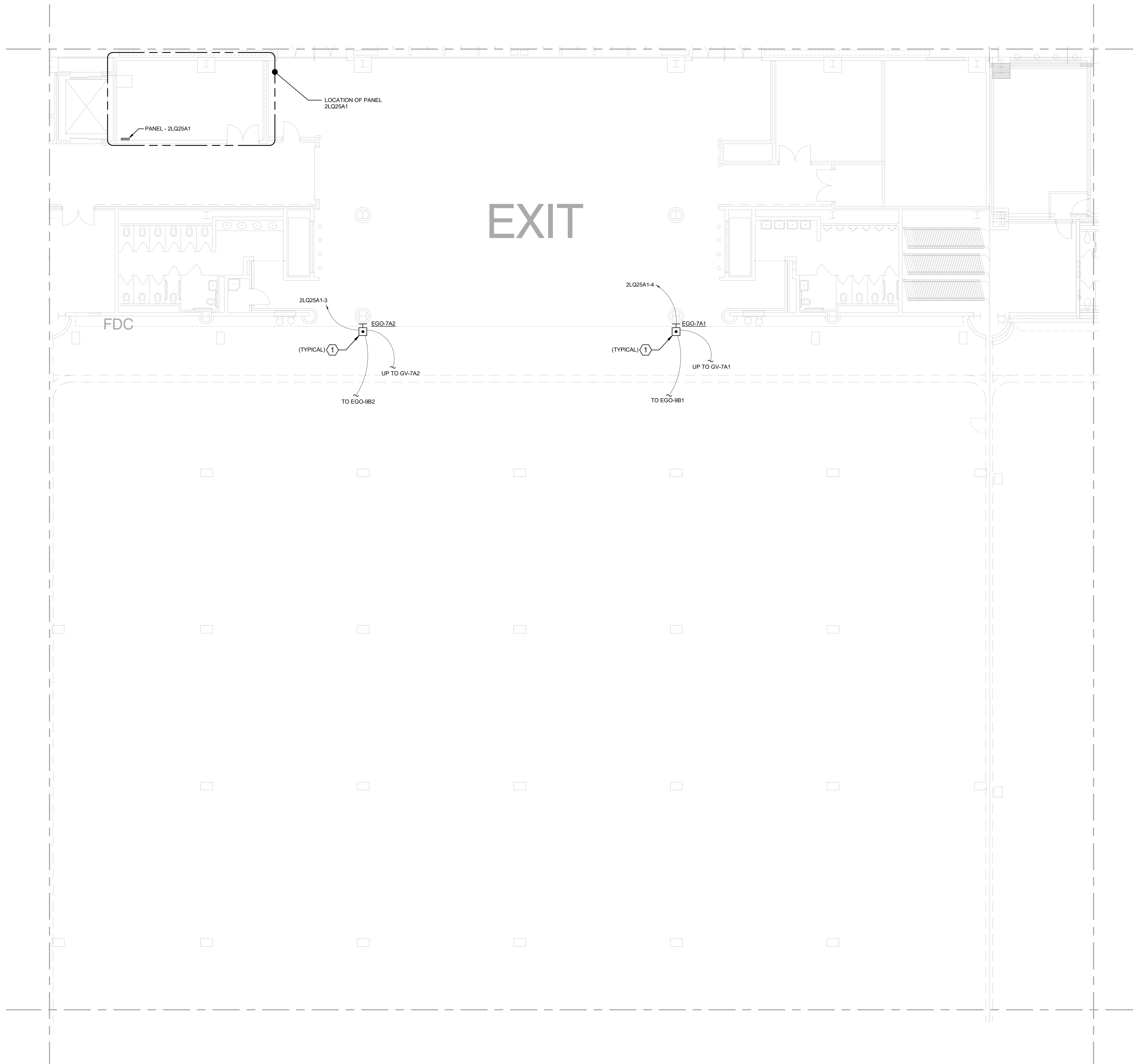
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GENERAL SHEET NOTES

- CONTRACTOR SHALL PROVIDE AND INSTALL NEW ELECTRICAL EQUIPMENT AND DEVICES AS SHOWN ON THE PLANS. CONTRACTOR SHALL PROVIDE NEW BRANCH ELECTRICAL CIRCUITS WHERE NOTED AND PROVIDE THE NEW EQUIPMENT CIRCUITING SCHEME(S) AS SHOWN OR OTHERWISE REQUIRED. CONTRACTOR SHALL CONNECT ALL ELECTRICAL EQUIPMENT AND DEVICES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

SHEET KEYNOTES

- CONTRACTOR TO PROVIDE AND INSTALL PILLA FS-120MPGM EMERGENCY FUEL SHUT OFF OR EQUAL, CONNECT SHUT OFF TO NATURAL GAS SOLENOID FOR THIS EXHIBITION HALL. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WORK AND MATERIALS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SHEET E-407A FOR SOLENOID LOCATION(S).



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KEYPLAN

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| | | | 6 | 5 | |
| 12C | 12B | 7C | 7B | 4C | |
| 12D | 12A | 7D | 7A | 4D | |
| 11C | 11B | 8C | 8B | 3C | |
| 11D | 11A | 8D | 8A | 3D | |
| 10C | 10B | 9C | 9B | 2C | |
| 10D | 10A | 9D | 9A | 2D | |

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SHEET TITLE
PARTIAL LEVEL 2 -
AREA 7A - POWER

BID DOCUMENTS

E-207A

1 PARTIAL LEVEL 2 - AREA 7A - POWER

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

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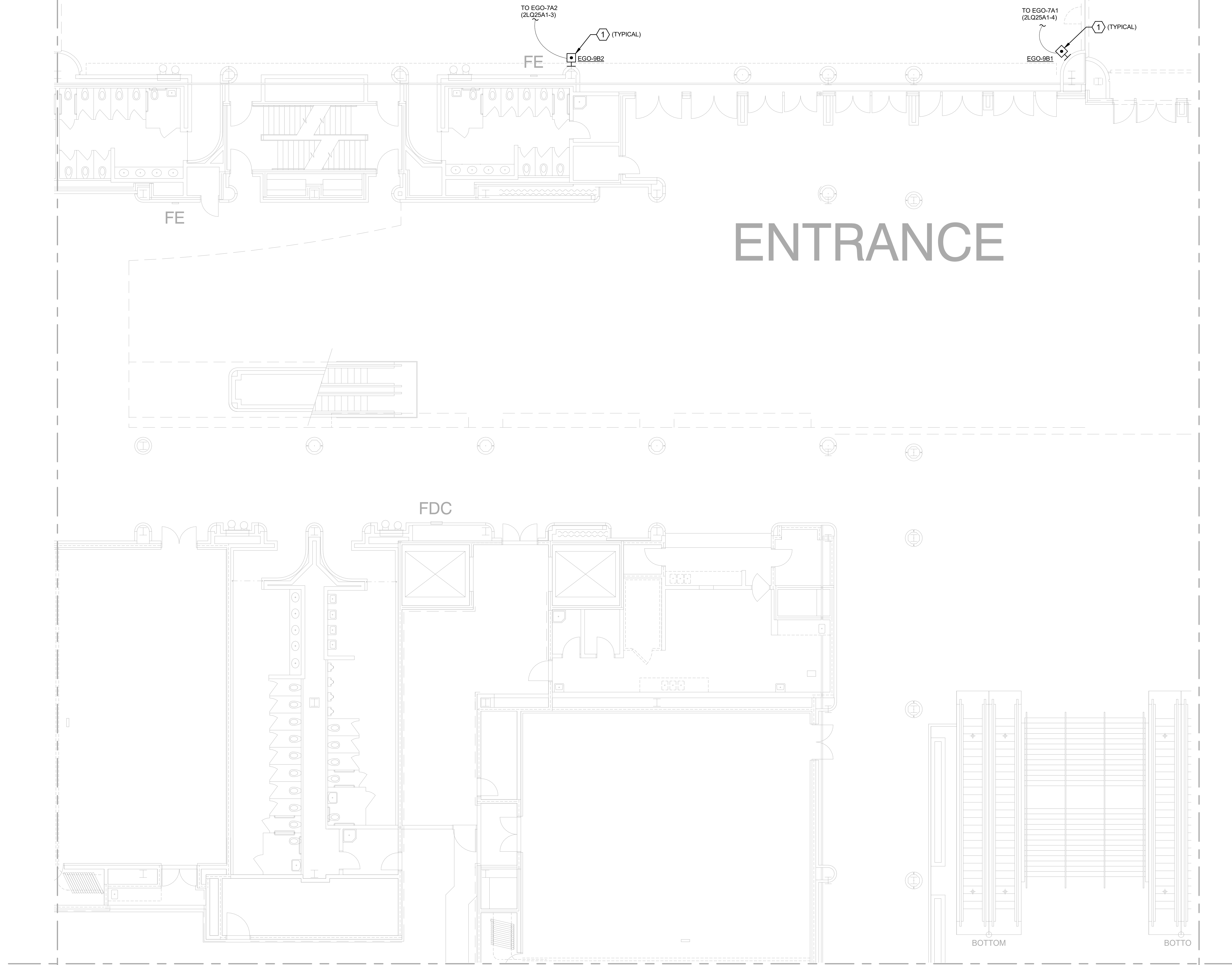
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1 PARTIAL LEVEL 2 - AREA 9B - POWER
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

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SHEET KEYNOTES

- CONTRACTOR TO PROVIDE AND INSTALL PILLA FS-120MPMG EMERGENCY FUEL SHUT OFF OR EQUAL, CONNECT SHUT OFF TO NATURAL GAS SOLENOID FOR THIS EXHIBITION HALL. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WORK AND MATERIALS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SHEET E-407A FOR SOLENOID LOCATION(S).



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KEYPLAN

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| | | | 6 | 5 | |
| 12C | 12B | 7C | 7B | 4C | |
| 12D | 12A | 7D | 7A | 4D | |
| 11C | 11B | 8C | 8B | 3C | |
| 11D | 11A | 8D | 8A | 3D | |
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PARTIAL LEVEL 2 -
AREA 9B - POWER

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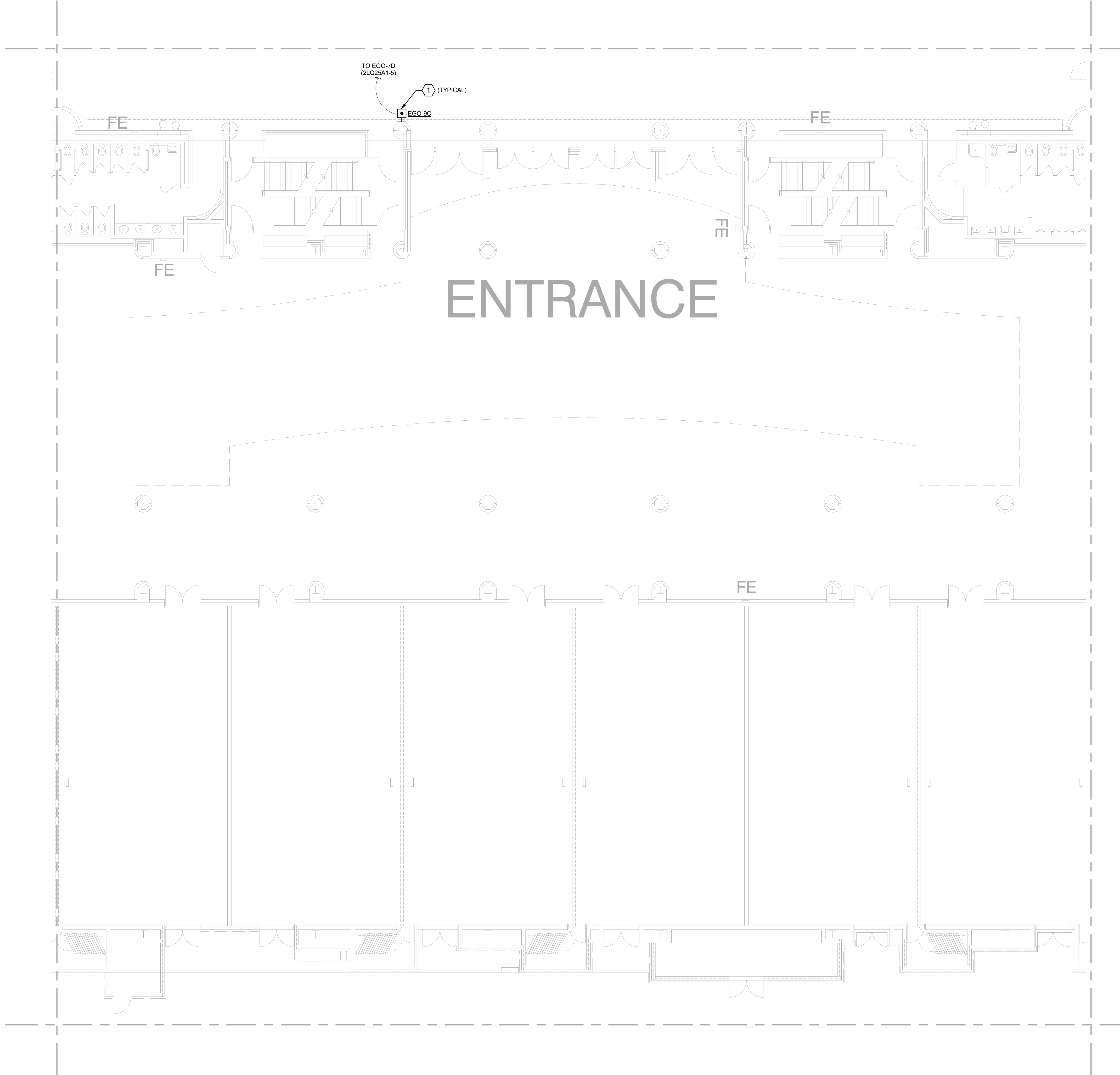
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1 PARTIAL LEVEL 2 - AREA 9C - POWER
SCALE: 1/8" = 1'-0"

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KEYPLAN

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| 11C | 11B | 8C | 8B | 3C |
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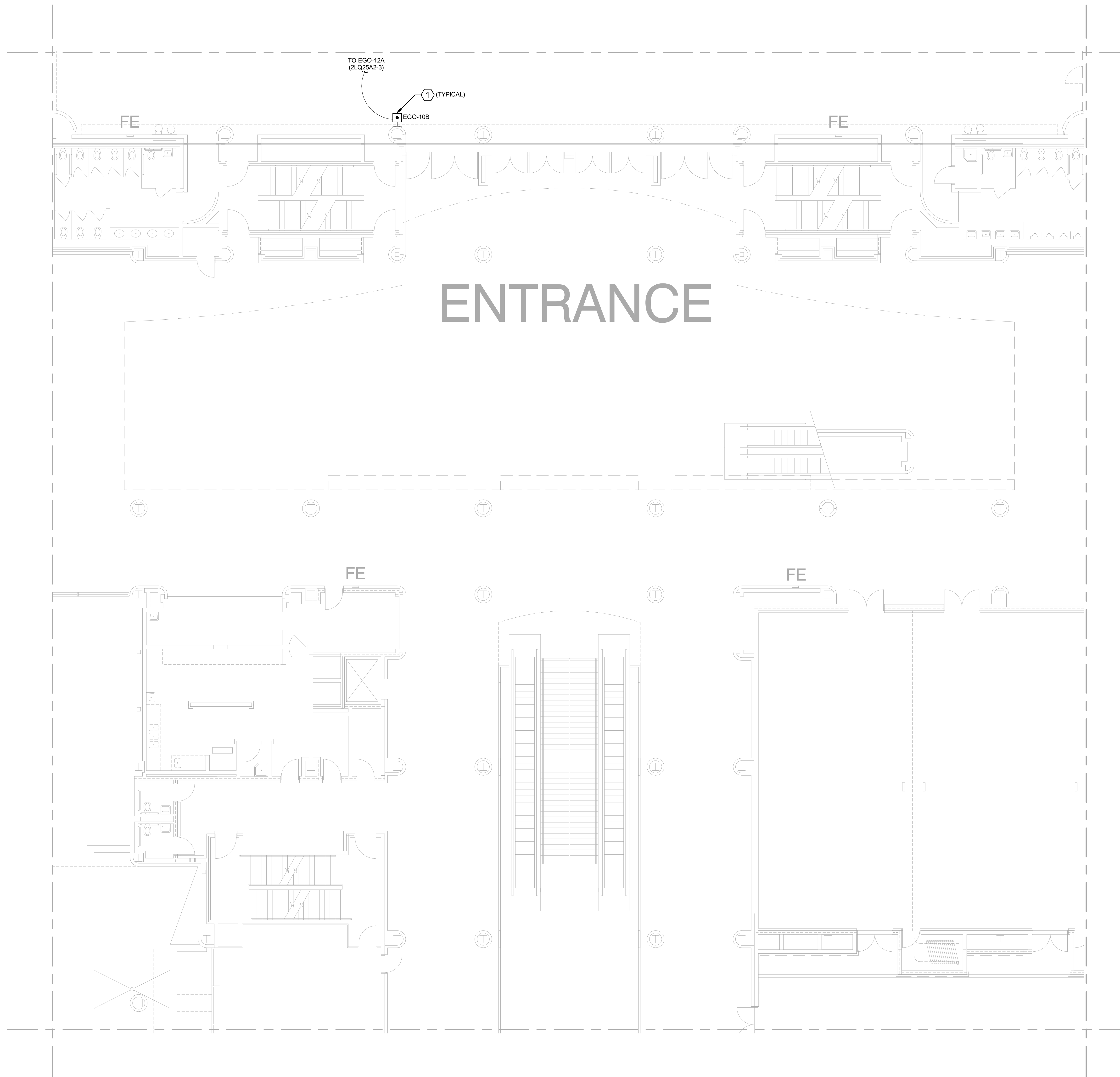
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1 PARTIAL LEVEL 2 - AREA 10B - POWER
SCALE: 1/8" = 1'-0"

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KEYPLAN

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SHEET TITLE
PARTIAL LEVEL 2 -
AREA 10B - POWER

BID DOCUMENTS
E-210B

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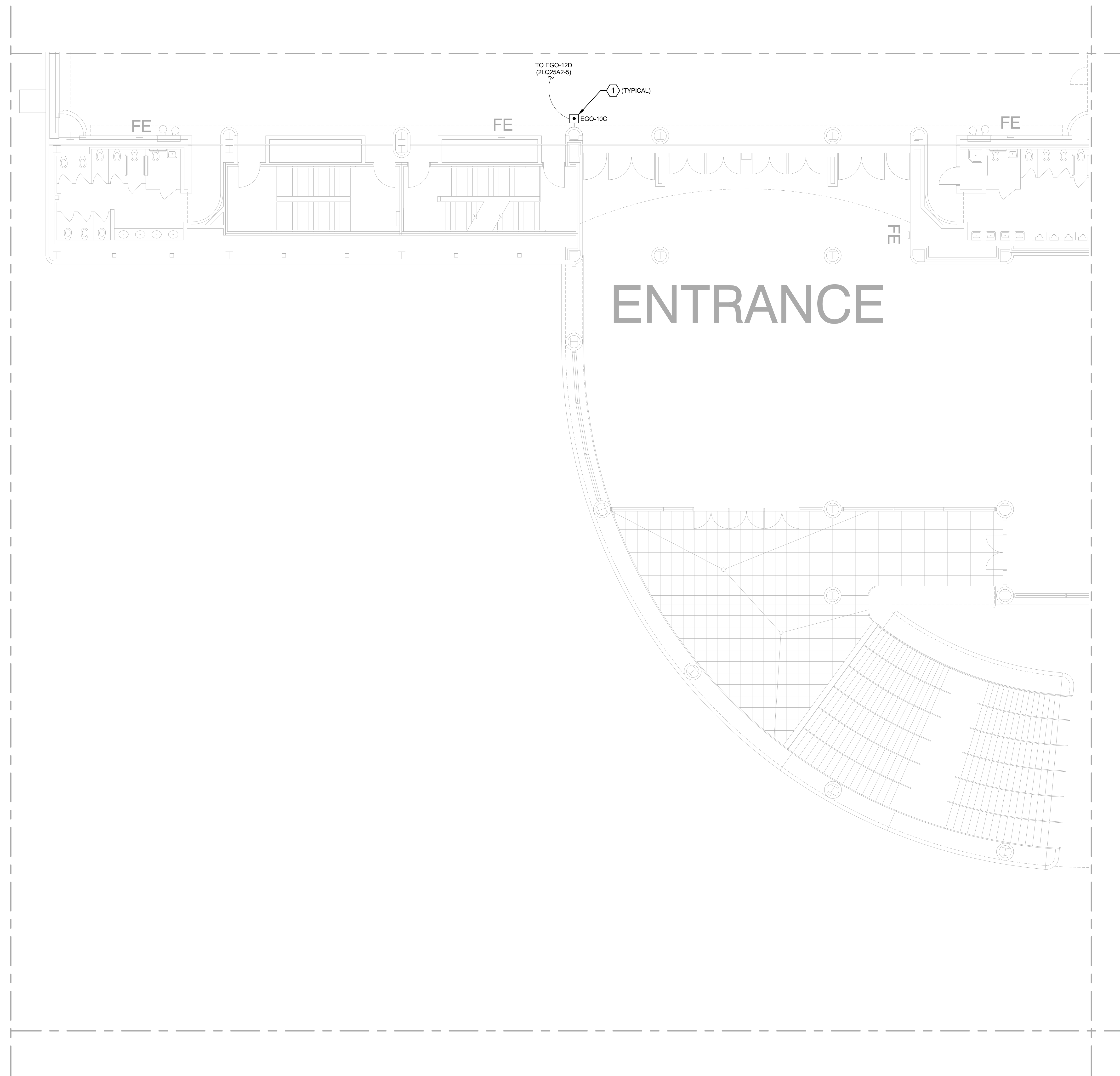
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1 PARTIAL LEVEL 2 - AREA 10C - POWER
SCALE: 1/8" = 1'-0"

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| 12C | 12B | 7C | 7B | 4C |
| 12D | 12A | 7D | 7A | 4D |
| 11C | 11B | 8C | 8B | 3C |
| 11D | 11A | 8D | 8A | 3D |
| 10C | 10B | 9C | 9B | 2C |
| 10D | 10A | 9D | 9A | 2D |

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ISSUE: 06/06/19
PROJECT NO: 17G0189
DESIGN BY: BM/DH
DRAWN BY: BM
REVIEWED BY: DH/SP

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SHEET TITLE
PARTIAL LEVEL 2 -
AREA 10C - POWER

© 2019 2:42 PM
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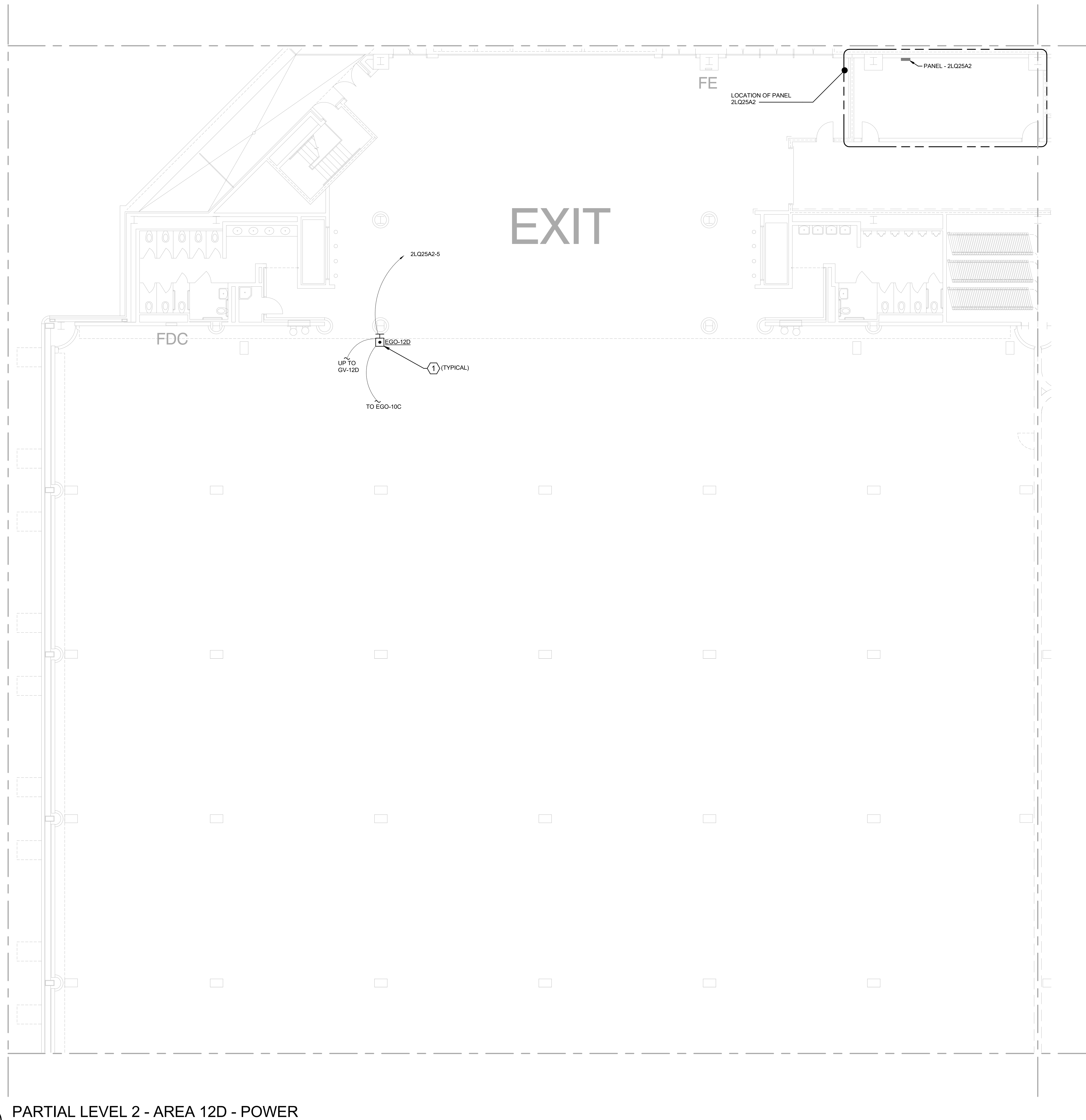
E

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GENERAL SHEET NOTES

- CONTRACTOR SHALL PROVIDE AND INSTALL NEW ELECTRICAL EQUIPMENT AND DEVICES AS SHOWN ON THE PLANS. CONTRACTOR SHALL PROVIDE NEW BRANCH ELECTRICAL CIRCUITS WHERE NOTED AND PROVIDE THE NEW EQUIPMENT CIRCUITING SCHEME(S) AS SHOWN OR OTHERWISE REQUIRED. CONTRACTOR SHALL CONNECT ALL ELECTRICAL EQUIPMENT AND DEVICES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

SHEET KEYNOTES

- CONTRACTOR TO PROVIDE AND INSTALL PILLA FS-120MPMG EMERGENCY FUEL SHUT OFF OR EQUAL. CONNECT SHUT OFF TO NATURAL GAS SOLENOID FOR THIS EXHIBITION HALL. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WORK AND MATERIALS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO SHEET E-412D FOR SOLENOID LOCATION(S).



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 REVIEWED BY: DH/SP

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 SHEET TITLE
 PARTIAL LEVEL 2 -
 AREA 12D - POWER

KEYPLAN

| | | | | |
|------------|-----|----|----|----|
| | | 6 | 5 | |
| 12C | 12B | 7C | 7B | 4C |
| 12D | 12A | 7D | 7A | 4D |
| 11C | 11B | 8C | 8B | 3C |
| 11D | 11A | 8D | 8A | 3D |
| 10C | 10B | 9C | 9B | 2C |
| 10D | 10A | 9D | 9A | 2D |

1 PARTIAL LEVEL 2 - AREA 12D - POWER

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

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BID DOCUMENTS

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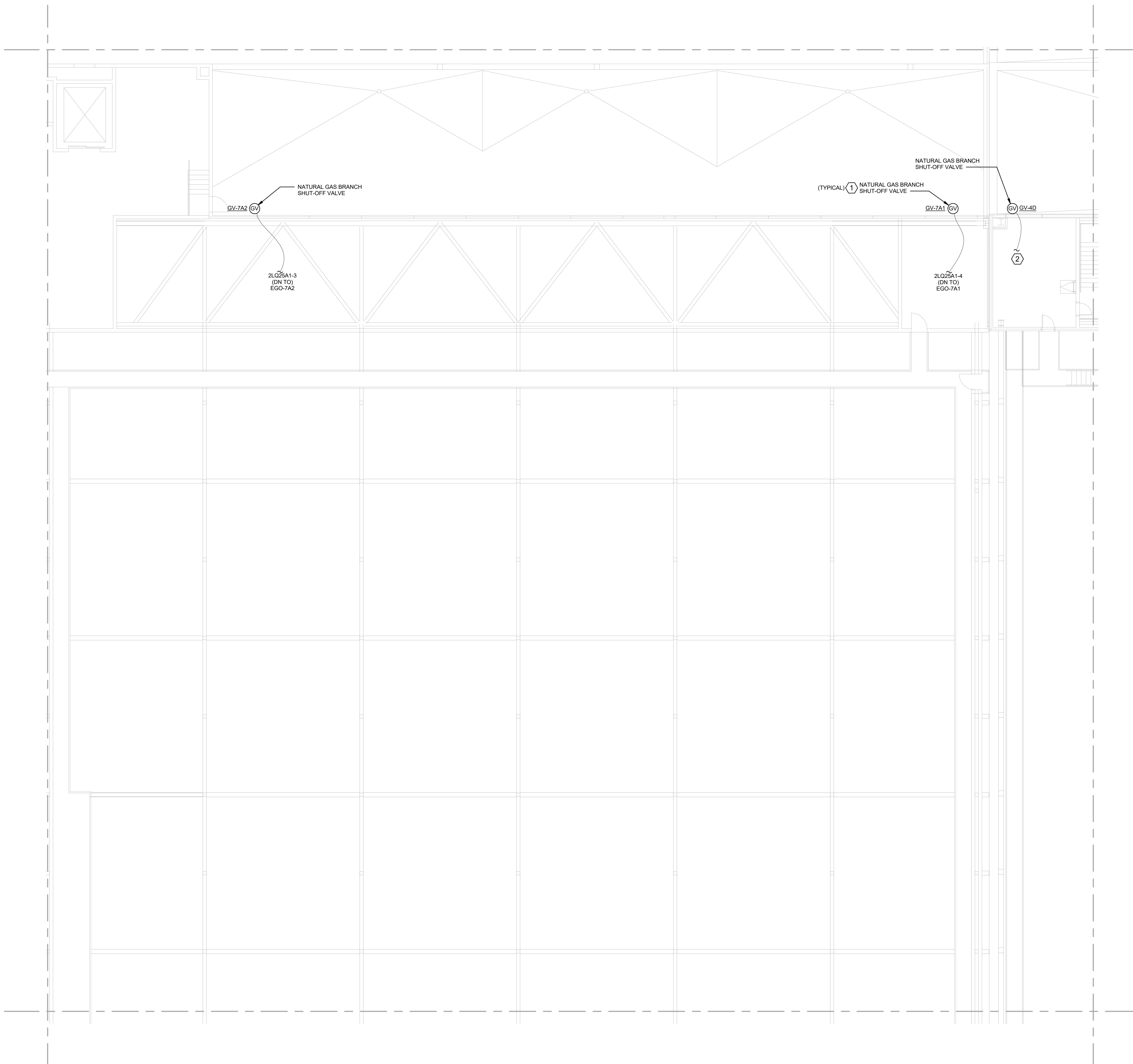
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GENERAL SHEET NOTES

- CONTRACTOR SHALL PROVIDE AND INSTALL NEW ELECTRICAL EQUIPMENT AND DEVICES AS SHOWN ON THE PLANS. CONTRACTOR SHALL PROVIDE NEW BRANCH ELECTRICAL CIRCUITS WHERE NOTED AND PROVIDE THE NEW EQUIPMENT CIRCUITING SCHEME(S) AS SHOWN OR OTHERWISE REQUIRED. CONTRACTOR SHALL CONNECT ALL ELECTRICAL EQUIPMENT AND DEVICES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.

SHEET KEYNOTES

- CONTRACTOR SHALL CONNECT 120V CIRCUIT TO NATURAL GAS SHUT-OFF VALVE. CONNECT TO NEW SHUT-OFF BUTTONS SHOWN ON LEVEL 2 FOR THIS EXHIBITION HALL. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WORK AND MATERIALS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.
- TIE IN TO EXISTING EMERGENCY FUEL SHUT-OFF LOCATED IN EXHIBITION HALL B AREA 4D. CONTRACTOR SHALL PROVIDE AND INSTALL ALL WORK AND MATERIALS AS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. REFER TO OVERALL PLAN ON SHEET E-102. VERIFY EXACT CONTROL SCHEME EXISTING IN FIELD.



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KEYPLAN

| | | | | | |
|-----|-----|----|-----------|----|--|
| | | | 6 | 5 | |
| 12C | 12B | 7C | 7B | 4C | |
| 12D | 12A | 7D | 7A | 4D | |
| 11C | 11B | 8C | 8B | 3C | |
| 11D | 11A | 8D | 8A | 3D | |
| 10C | 10B | 9C | 9B | 2C | |
| 10D | 10A | 9D | 9A | 2D | |

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REVIEWED BY: DH/SP

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SHEET TITLE
PARTIAL LEVEL 4 -
AREA 7A - POWER

1 PARTIAL LEVEL 4 - AREA 7A - POWER

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

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BID DOCUMENTS

E-407A

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PANEL: 2LQ25A2

AIC RATING: 10K AIC
TYPE: GE, A SERIES
MOUNTING: SURFACE

MAINS: 30A MCB
BUS RATING: 125 A
VOLTAGE: 208Y/120V, 3Ø, 4W

| CKT | Circuit Description | CB | P | A | B | C | P | CB | Circuit Description | CKT |
|-----|----------------------------------|------|---|-------------------------|---------|---------|---------|----|--------------------------------|-----|
| 1 | SB 2.057 SV COL 50 CAMERA | 20 A | 1 | 600 | 600 | | | 1 | 20 A SB 2.057 SV COL 50 CAMERA | 2 |
| 3 | NATURAL GAS SHUT-OFF PUSH BUTTON | 20 A | 1 | | 1468 | 0 | | 1 | 20 A SPARE | 4 |
| 5 | NATURAL GAS SHUT-OFF PUSH BUTTON | 20 A | 1 | | | 1468 | 0 | 1 | 20 A SPARE | 6 |
| 7 | SPARE | 20 A | 1 | 0 | 0 | | | -- | SPACE | 8 |
| 9 | SPARE | 20 A | 1 | | 0 | 0 | | -- | SPACE | 10 |
| 11 | SPARE | 20 A | 1 | | | 0 | 0 | -- | SPACE | 12 |
| | | | | PHASE SUBTOTALS: | 1200 VA | 1468 VA | 1468 VA | | | |

NOTES:
* = INDICATES ASSUMED LOAD(S).

TOTAL CONNECTED LOAD = 4196 VA
TOTAL CONNECTED AMPS = 11 A

PANEL: 2LQ25A1

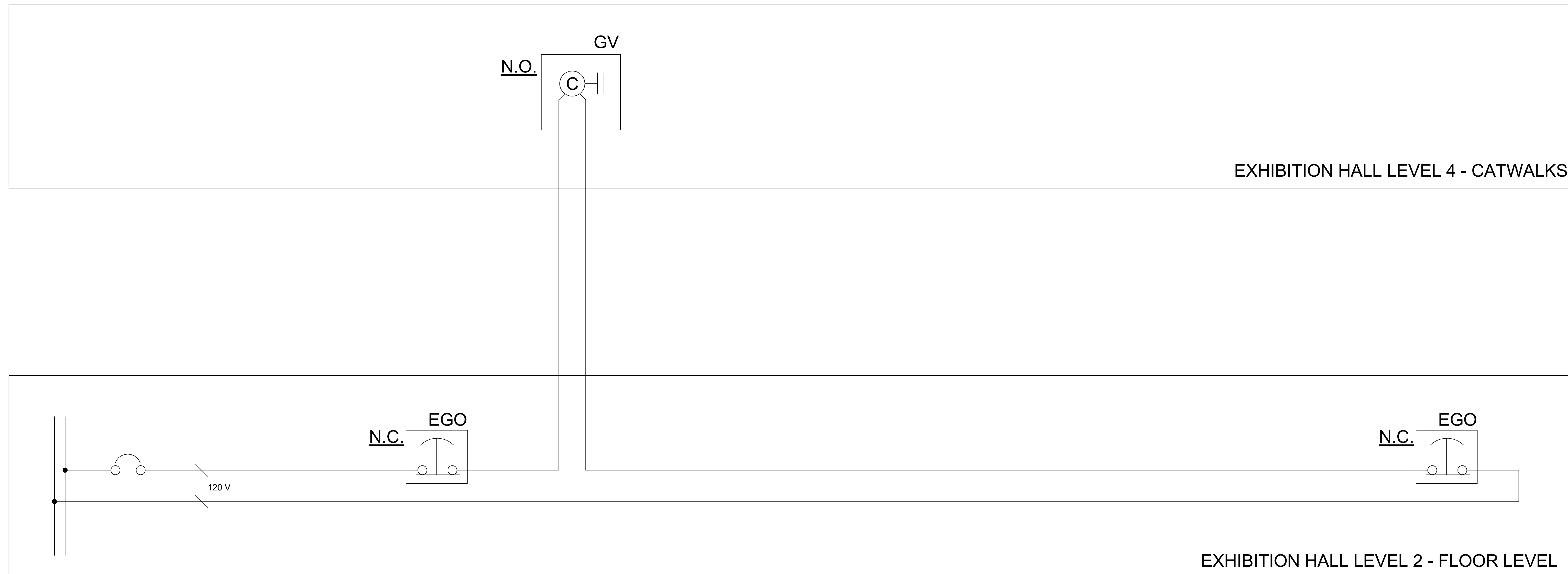
AIC RATING: 10K AIC
TYPE: GE, A SERIES
MOUNTING: SURFACE

MAINS: 30A MCB
BUS RATING: 125 A
VOLTAGE: 208Y/120V, 3Ø, 4W

| CKT | Circuit Description | CB | P | A | B | C | P | CB | Circuit Description | CKT |
|-----|----------------------------------|------|---|-------------------------|---------|---------|---------|----|---------------------------------------|-----|
| 1 | SB 2.057 SV COL 37 CAMERA | 20 A | 1 | 600 | 600 | | | 1 | 20 A SB 2.057 SV COL 44 CAMERA | 2 |
| 3 | NATURAL GAS SHUT-OFF PUSH BUTTON | 20 A | 1 | | 1468 | 1468 | | 1 | 20 A NATURAL GAS SHUT-OFF PUSH BUTTON | 4 |
| 5 | NATURAL GAS SHUT-OFF PUSH BUTTON | 20 A | 1 | | | 1468 | 0 | 1 | 20 A SPARE | 6 |
| 7 | SPARE | 20 A | 1 | 0 | 0 | | | -- | SPACE | 8 |
| 9 | SPARE | 20 A | 1 | | 0 | 0 | | -- | SPACE | 10 |
| 11 | SPARE | 20 A | 1 | | | 0 | 0 | -- | SPACE | 12 |
| | | | | PHASE SUBTOTALS: | 1200 VA | 2936 VA | 1468 VA | | | |

NOTES:
* = INDICATES ASSUMED LOAD(S).

TOTAL CONNECTED LOAD = 4164 VA
TOTAL CONNECTED AMPS = 12 A



1 EMERGENCY GAS BRANCH SHUT OFF WIRING SCHEMATIC
SCALE: NTS



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SHEET TITLE
PANEL SCHEDULES
AND DETAILS

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