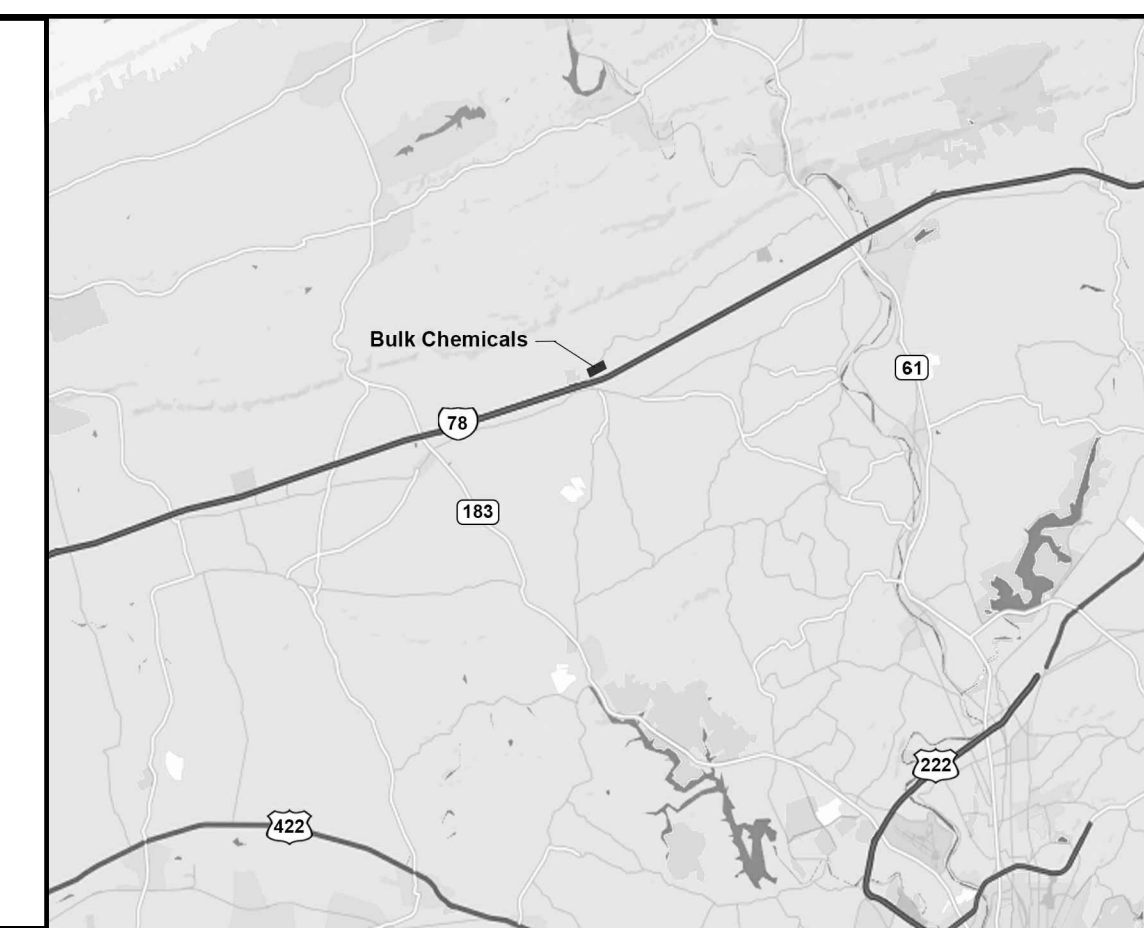
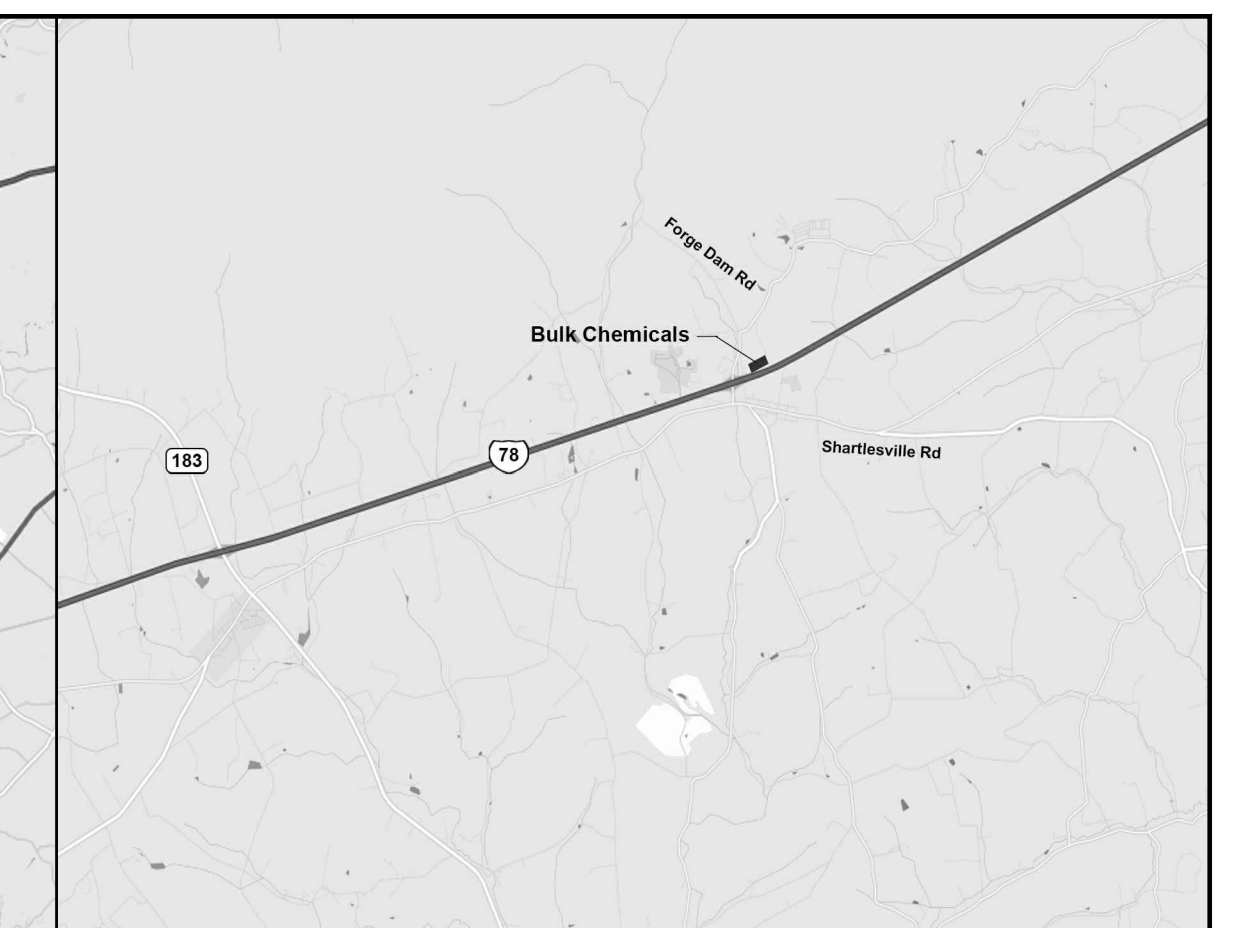


PROPOSED BUILDING RENOVATIONS FOR BULK CHEMICALS, INC.

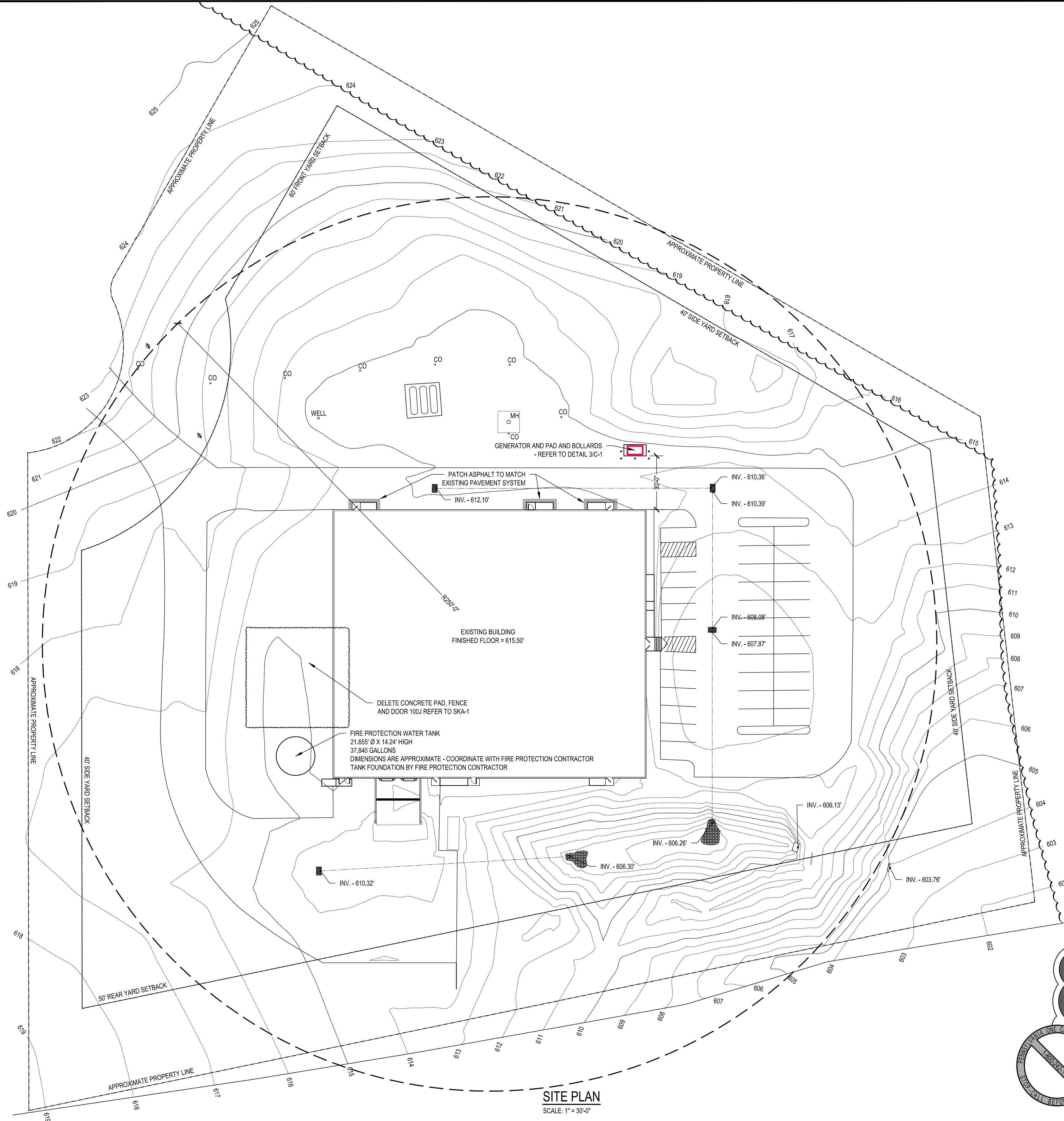
72 FEICK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY



LOCATION MAP
SCALE: N.T.S.



SITE MAP
SCALE: N.T.S.



ARCHITECTURAL

A-0 COVER SHEET AND 1:30 SITE PLAN
A-1 1/16" DEMOLITION PLANS
A-2 1/16" CODE PLANS
A-3 1/16" REFLECTED CEILING, PHASING AND FLOOR FINISH PLANS
A-4 1/8" FLOOR PLAN
A-5 1/8" UPPER FLOOR PLAN
A-6 1/8" EXTERIOR ELEVATIONS
A-7 1/4" ENLARGED PLANS AND DETAILS - WORK PLATFORMS
A-7A INTERIOR ELEVATIONS
A-8 1/4" ENLARGED PLANS AND DETAILS - STAIRS AND RAMPS
A-9 INTERIOR SCHEDULES AND DETAILS
A-10 TYPICAL DETAILS
A-11 3/4" WALL SECTIONS

CIVIL

C-1 SITE DETAILS

STRUCTURAL

S-1 STRUCTURAL DETAILS
S-2 STRUCTURAL NOTES

PLUMBING

P-1 1/8" FIRST FLOOR PLAN - PLUMBING
P-2 1/8" UPPER FLOOR PLAN - PLUMBING
P-3 PLUMBING SCHEDULES & DETAILS
P-4 PLUMBING DETAILS & SCHEMATICS

HVAC

H-1 1/8" FIRST FLOOR PLAN - HVAC
H-2 1/8" MEZZANINE PLAN - HVAC
H-3 HVAC SCHEDULES
H-4 HVAC SCHEDULES

ELECTRICAL

FPE-1 SITE PLAN - FIRE PROTECTION AND ELECTRICAL
E-2 FIRST FLOOR PLAN - LIGHTING
E-3 FIRST FLOOR PLAN - POWER
E-4 RISER DIAGRAM AND PANEL SCHEDULES
E-5 SYMBOL LEGEND, SPECIFICATIONS AND NOTES

ABBREVIATIONS

| | | | | |
|---------------------------------|---|--------------------------------|----------------------------------|----------------------------|
| A - AIR | EFS - EXTERIOR INSULATION AND FINISH SYSTEM | HCP - HANDICAP ACCESSIBLE | OPS - OVERHEAD PROJECTION SCREEN | VCT - VINYL COMPOSITE TILE |
| AC - ACOUSTICAL | ELEV - ELEVATION | HORZ - HORIZONTAL | OHP - OVERHEAD PROJECTOR | V - VERTICAL |
| ALUM - ALUMINUM | EP - END PANEL | HLB - HORIZONTAL LOUVER BLINDS | PC - PLUMBING CONTRACTOR | THRD - THREADED |
| ARA - AREA OF RESCUE ASSISTANCE | ERS - ELECTRICALLY OPERATED RS | HM - HOLLOW METAL | PT - PRESSURE TREATED | VIF - VERIFY IN FIELD |
| AT - ALUMINUM THRESHOLD | EW - EACWAY | HW - HOT WATER | PTD - PAINTED | VCT - VINYL COMPOSITE TILE |
| CER - CERAMIC | EWC - ELECTRIC WATER COOLER | INSUL - INSULATION | QT - QUARRY TILE | VTR - VENT TO ROOF |
| CG - CORNER GUARD | EXIST - EXISTING | IWB - INTERACTIVE WHITE BOARD | R - RADIUS | W - WIDE |
| CJ - CONTROL JOINT | EXP JT - EXPANSION JOINT | JT - JOINT | RC - ROOFING CONTRACTOR | WD - WOOD |
| CMU - CONCRETE MASONRY UNIT | FD - FLOOR DRAIN | L - LONG | REIN - REINFORCING | |
| CONC - CONCRETE | FEP - FINISHED END PANEL | M - MODIFIED | RO - ROUGH OPENING | |
| COORD - COORDINATION | FTP - FINISHED TOP PANEL | MAX - MAXIMUM | RS - ROLLER SHADE | |
| CT - CERAMIC TILE | FND - FOUNDATION | MFR - MANUFACTURER | RWC - RAIN WATER CONDUCTOR | |
| CTR - CENTER | FP - FILLER PANEL | MIN - MINIMUM | SF - SQUARE FEET | |
| CW - COLD WATER | FSC - FOOD SERVICE CONTRACTOR | MO - MASONRY OPENING | SQ - SQUARE | |
| D - DEEP | G - GAS | MT - MARBLE THRESHOLD | SS - STAINLESS STEEL | |
| DEMO - DEMOLITION | GALV - GALVANIZED | MTD - MOUNTED | STD - STANDARD | |
| DF - DRINKING FOUNTAIN | GWB - GYPSUM BOARD | MTL - METAL | STRUCT - STRUCTURAL | |
| DN - DOWN | GC - GENERAL CONTRACTOR | N/C - NOT IN CONTRACT | STL - STEEL | |
| EC - ELECTRICAL CONTRACTOR | H - HIGH | OC - ON CENTER | TYP - TYPICAL | |
| | HC - HVAC CONTRACTOR | OH - OVERHEAD | UNO - UNLESS NOTED OTHERWISE | |

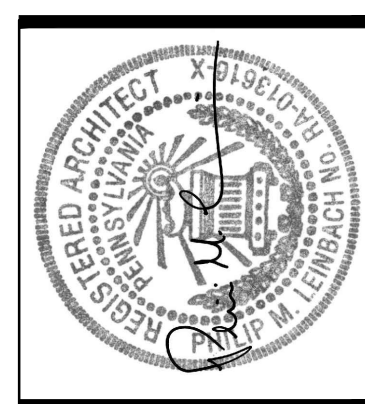


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REVISIONS

| DATE | DESCRIPTION |
|----------|--|
| 07.14.21 | FIRE PUMP ROOM ADDED, STORAGE ROOM SIZE INCREASE |
| 08.12.21 | STORAGE ROOMS REMOVED, OUTSIDE PAD ADDED, C/WALK MODIFICATIONS |
| 08.30.21 | VARIOUS CHANGES / ADDITIONS |



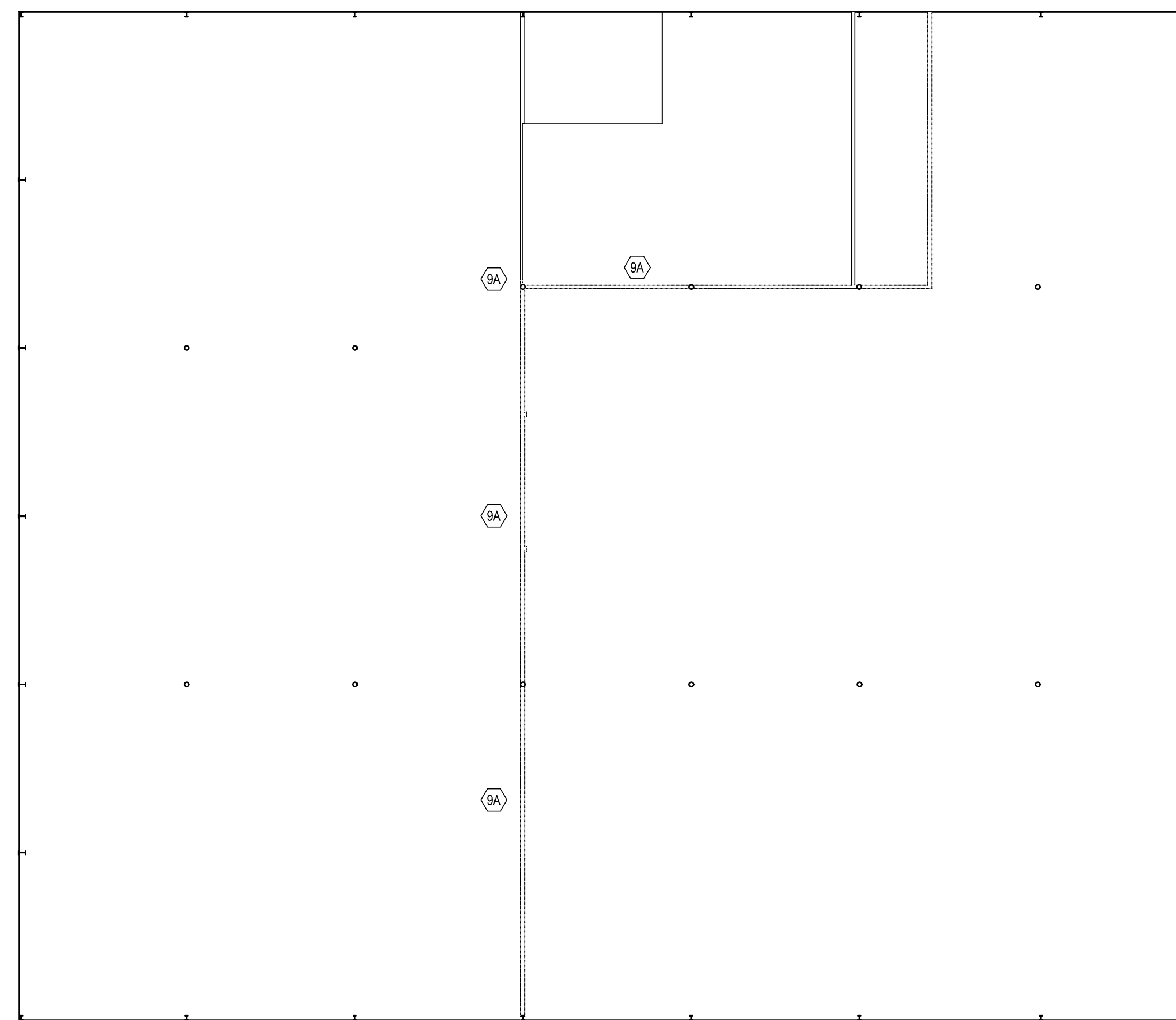
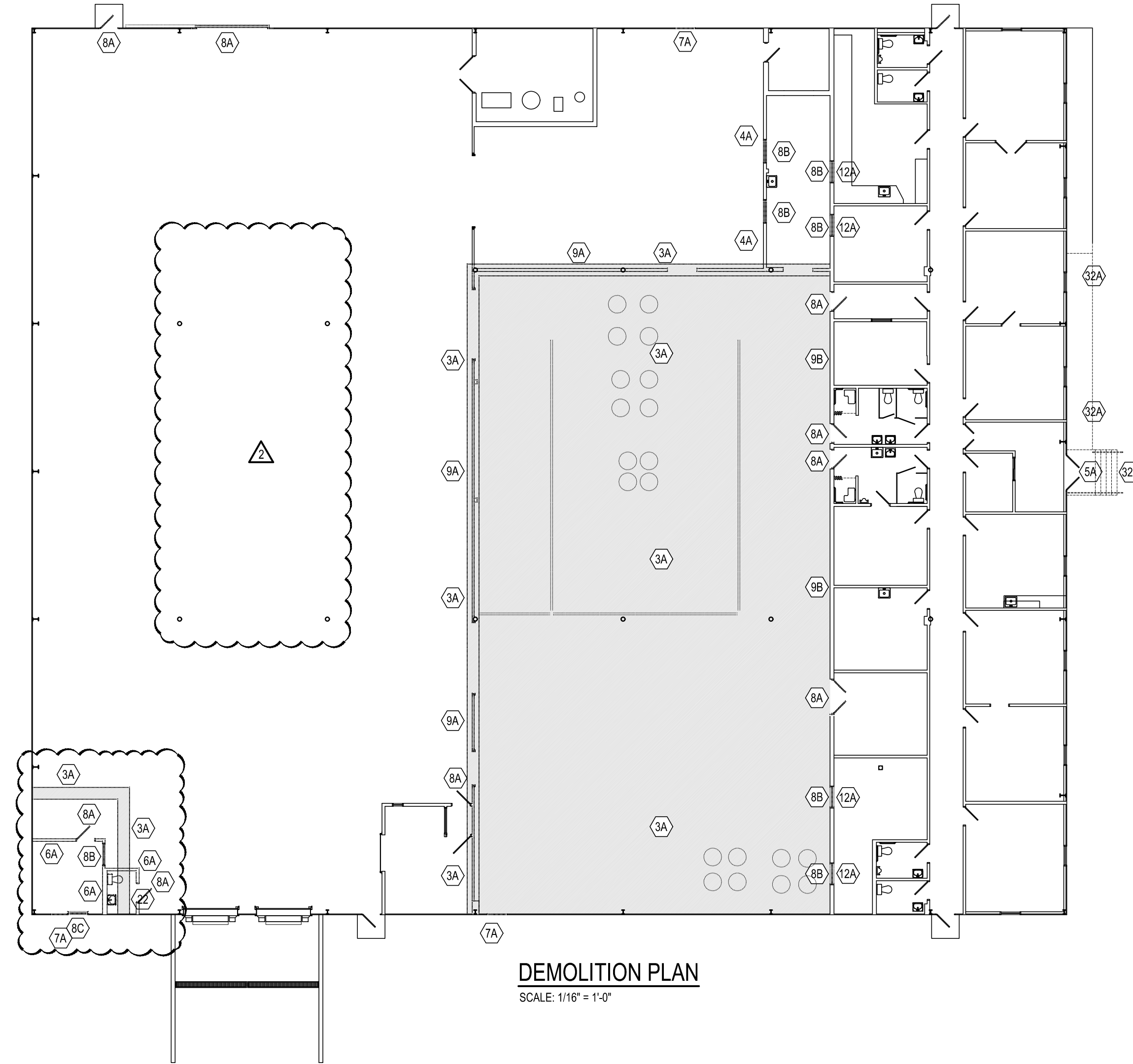
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COVER SHEET AND 1:30 SITE PLAN
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR BULK CHEMICALS
72 FEICK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

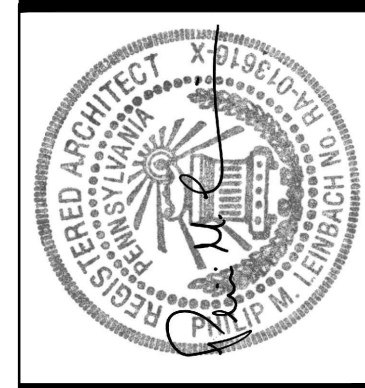
ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
JOB NO.: 20003.00
DRAWN BY: JDK
DATE: 08.30.2021

- DEMOLITION NOTES:**
- ** G.C. SHALL COORDINATE DEMOLITION WITH ALL CONTRACTORS **
 ** ALL DEMOLITION INDICATED ON DRAWINGS A-7 AND A-8 SHALL BE PERFORMED BY THE G.C. UNLESS OTHERWISE NOTED **
- (3A) REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR NEW CONSTRUCTION.
 - (4A) REMOVE EXISTING CONCRETE BLOCK WALL CONSTRUCTION AS REQUIRED FOR NEW CONSTRUCTION.
 - (5A) REMOVE EXISTING HAND AND GUARD RAILINGS.
 - (6A) REMOVE EXISTING WALLS AND CEILING STRUCTURE
 - (7A) REMOVE EXISTING METAL WALL PANELS AND WALL CONSTRUCTIONS AS REQUIRED FOR NEW CONSTRUCTION.
 - (8A) REMOVE EXISTING DOOR, FRAME AND ALL ASSOCIATED HARDWARE AND SUPPORTS.
 - (8B) REMOVE EXISTING WINDOW SYSTEM.
 - (8C) REMOVE EXISTING WINDOW AND WALL AS REQUIRED FOR NEW DOOR INSTALLATION.
 - (9A) REMOVE EXISTING METAL LINER PANEL AND SUPPORTS.
 - (8B) REMOVE EXISTING GYP BOARD ON PRODUCTION SIDE OF WALL
 - (12A) REMOVE EXISTING WINDOW SHADES AND/OR CURTAINS.
 - (22) P.C. DEMO. (REFER TO MEP DEMO. DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFO.)
 - (23) H.C. DEMO. (REFER TO MEP DEMO. DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFO.)
 - (26) E.C. DEMO. (REFER TO MEP DEMO. DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFO.)
 - (22A) REMOVE EXISTING CONCRETE RAMP AND SIDEWALK.
 - (22B) REMOVE EXISTING CONCRETE STAIR.

- GENERAL DEMOLITION NOTES:**
- ** G.C. SHALL COORDINATE DEMOLITION WITH ALL CONTRACTORS **
 ** ALL DEMOLITION INDICATED ON THIS SHEET SHALL BE PERFORMED BY THE G.C. UNLESS OTHERWISE NOTED **
- A) DEMOLITION NOTED IS PROVIDED TO FURNISH AN UNDERSTANDING OF THE SCOPE OF DEMOLITION REQUIRED AND MAY NOT NECESSARILY BE ALL INCLUSIVE OF ALL DEMOLITION REQUIRED FOR THE NEW WORK. ALL DEMOLITION WORK REQUIRED TO ACCOMMODATE NEW CONSTRUCTION SHALL BE INCLUDED AS PART OF THE CONTRACT. CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS TO UNDERSTAND THE SCOPE OF DEMOLITION REQUIRED FOR NEW WORK. ALL DEMOLITION SHALL BE COORDINATED WITH THE OTHER CONSTRUCTION DOCUMENTS. REFER TO MEP DRAWINGS FOR ADDITIONAL MEP DEMOLITION REQUIREMENTS.
- B) ALL REMAINING SURFACES SHALL BE PATCHED TO MATCH EXISTING CONDITIONS. ALL REMAINING SURFACES SHALL BE PREPARED AS REQUIRED FOR NEW WORK IN ALL LOCATIONS WHERE DEMOLITION OCCURS. REFER TO SPECIFICATIONS FOR SPECIFIC CUTTING AND PATCHING REQUIREMENTS FOR DEMOLITION WORK.
- C) WHERE EQUIPMENT OR SYSTEMS ARE INDICATED FOR DEMOLITION, ALL PARTS AND ASSEMBLIES OF THE EQUIPMENT AND SYSTEMS SHALL BE REMOVED, INCLUDING BLOCKING, SUPPORTS, HANGERS, ETC. REFER TO MEP DRAWINGS.
- D) CONTRACTORS SHALL FIELD VERIFY ALL EXISTING CONDITIONS TO UNDERSTAND THE SCOPE OF THE WORK PRIOR TO SUBMITTING BIDS.



| DATE | DESCRIPTION |
|----------|---|
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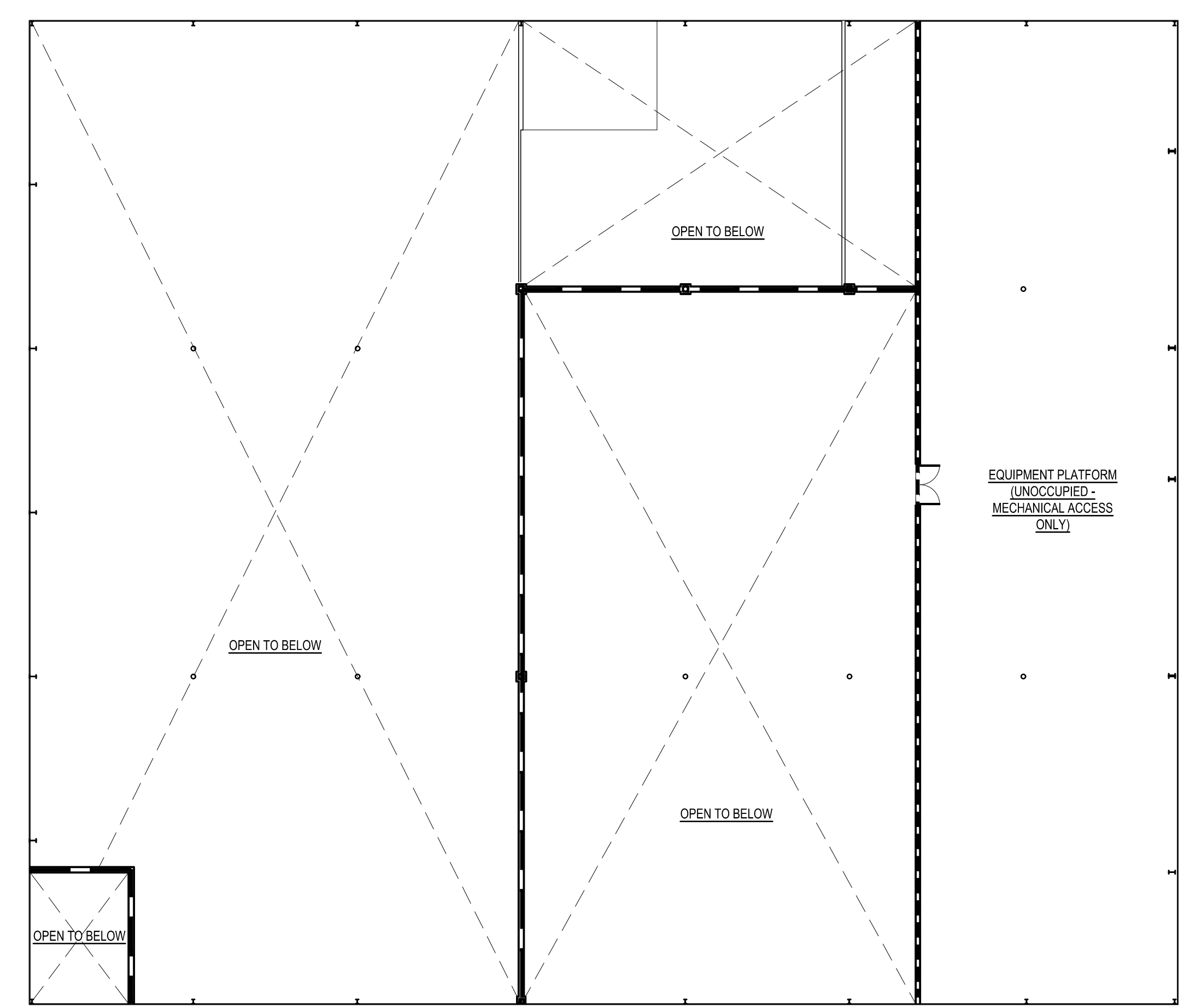
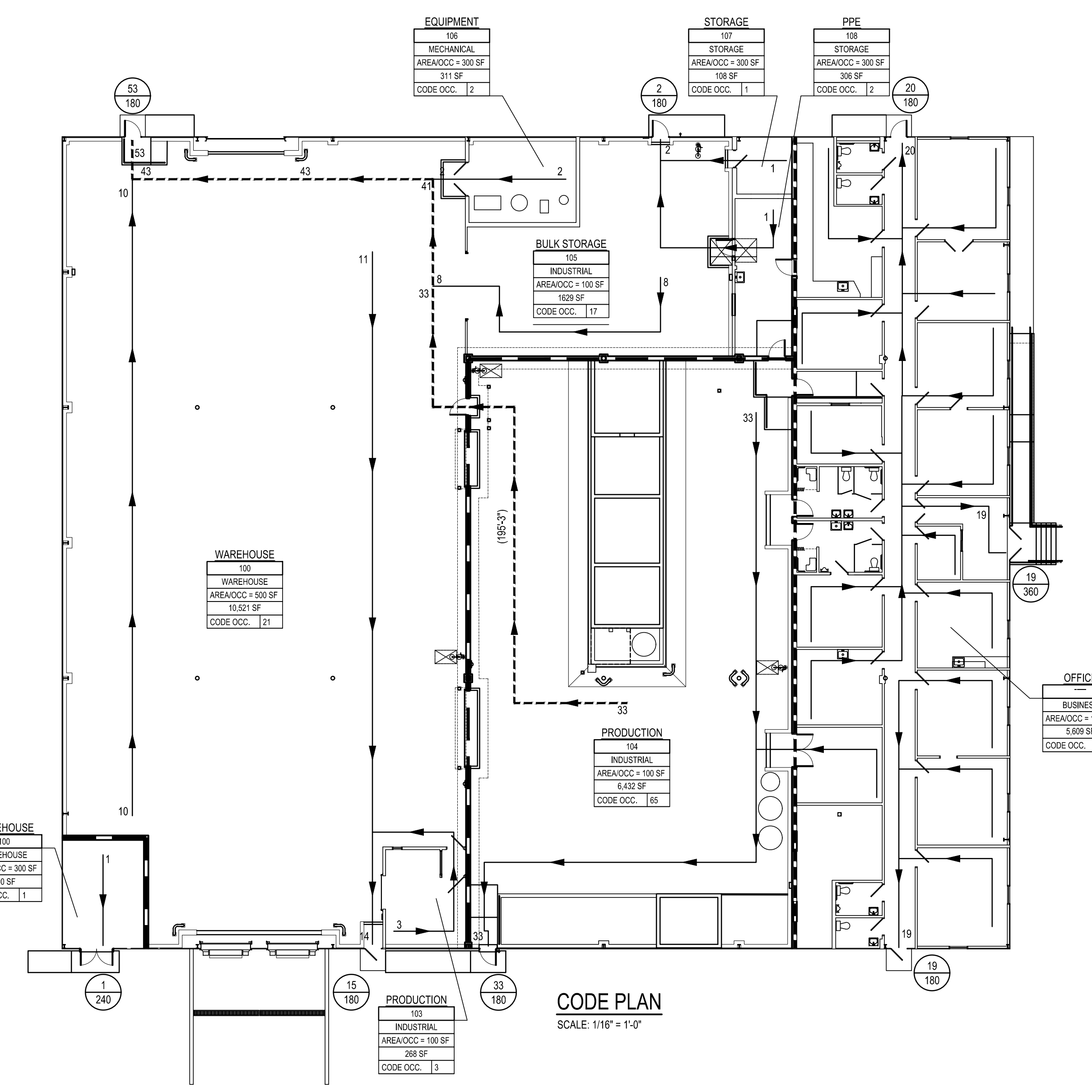
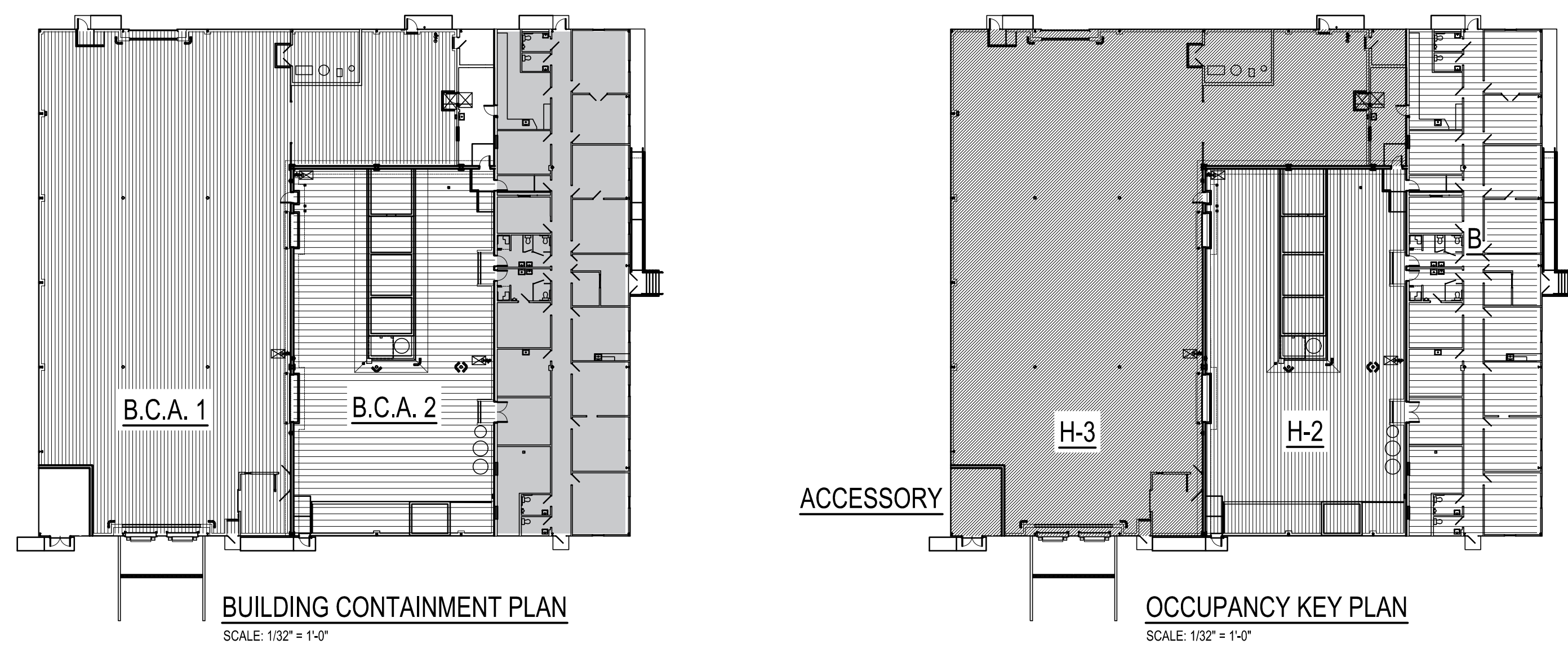


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1/16" DEMOLITION PLANS
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR BULK CHEMICALS
 72 FELCK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
 JOB NO.: 20003.00
 DRAWN BY: JJK
 DATE: 08.30.2021

NOTE:
 BUILDING CONTAINMENT AREA (B.C.A.) 1 WILL BE USED TO CONTAIN 20 MINUTES OF FULL FIRE PROTECTION SYSTEM FLOW (MINUS THE 500 GPM HOSE STREAM DEMAND) FOR ANY FIRE EVENT WITHIN THE B.C.A. 1 CONTAINMENT AREA NOTED TO THE RIGHT INCLUDING EACH STORAGE ROOM.
 B.C.A. 2 WILL CONTAIN ANY FIRE EVENT WITHIN THE SPACE SHOWN TO THE RIGHT.
 THE MAXIMUM WATER DEPTH IN EACH SPACE IS:
 B.C.A. 1 = 2.50"
 WAREHOUSE
 MAX FLOW = 1332 GPM - 500 GPM = 832 GPM
 STORAGE ROOMS
 MAX FLOW = 1225 GPM - 500 GPM = 725 GPM
 B.C.A. 2 = 4.00"
 MAX FLOW = 1332 GPM - 500 GPM = 832 GPM



| FIRE RATED ASSEMBLIES - BASIS OF DESIGN | | |
|---|------------|--------------|
| WALL / PENETRATION TYPE | UL # | RATING |
| GYPSUM BOARD WALL | U465 | 1 HOUR |
| | U411 | 2 HOUR |
| | U436 | 3 HOUR |
| GYPSUM BOARD SHAFT CONSTRUCTION | U415 | 2 HOUR |
| | U905 | 2 HOUR |
| MASONRY WALL | SIM. U907 | 3 HOUR |
| CONCRETE SLAB | D906 | 2 HOUR |
| METAL PIPE PENETRATIONS | C-AJ 1064 | 1 HOUR |
| CABLE PENETRATIONS | F-C-1022 | 1 AND 2 HOUR |
| | C-IJ 3004 | 1 HOUR |
| BUS DUCT PENETRATIONS | C-IJ 3008 | 2 HOUR |
| | F-C-3017 | 1 AND 2 HOUR |
| JOINTS | C-AJ 8057 | 2 HOUR |
| MISCELLANEOUS PENETRATIONS | FF-S 0015 | 1 HOUR |
| | FF-S 0022 | 2 HOUR |
| PVC PIPE PENETRATIONS (UP TO 8") | H-W-D 0016 | 1 AND 2 HOUR |
| | H-W-D 0017 | 2 HOUR |
| FLOOR / CEILING ASSEMBLIES | W-W-S 0024 | 2 HOUR |
| | W-W-S 0025 | 2 HOUR |
| PVC PIPE PENETRATIONS (UP TO 8") | C-AJ 8080 | 1 HOUR |
| | C-AJ 8057 | 2 HOUR |
| FLOOR / CEILING ASSEMBLIES | F-A-2024 | 1 AND 2 HOUR |
| | L209 | 1 HOUR |
| PVC PIPE PENETRATIONS (UP TO 8") | L525 | 1 HOUR |
| | G262 | 1 HOUR |
| FLOOR / CEILING ASSEMBLIES | L538 | 2 HOUR |

| APPLICABLE CODES AS OF DATE OF DESIGN CONTRACT | |
|--|------|
| CODE | DATE |
| INTERNATIONAL BUILDING CODE | 2015 |
| INTERNATIONAL FIRE CODE | 2015 |
| INTERNATIONAL MECHANICAL CODE | 2015 |
| INTERNATIONAL PLUMBING CODE | 2015 |
| INTERNATIONAL ENERGY CONSERVATION CODE | 2015 |
| ICC ELECTRICAL CODE | 2015 |
| ICC ANSI A117.1 | 2015 |

| BCI PROPOSED BUILDING RENOVATIONS | |
|--|-------------|
| INTERNATIONAL BUILDING CODE (2009) | |
| (SECTION 306) USE GROUP CLASSIFICATION | B, H-2, H-3 |
| (SECTION 602) TYPE OF CONSTRUCTION | IIB PARTIAL |
| TOTAL BUILDING AREA | 26,326 SF |

| TOTAL BUILDING AREA CALCULATION | |
|---------------------------------|-----------|
| | |
| FIRST FLOOR | 26,326 SF |
| TOTAL | 26,326 SF |

| GENERAL RATED WALL CONSTRUCTION TABLE | | |
|---------------------------------------|--------|--|
| WALL TYPE | RATING | DESCRIPTION OF WALL CONSTRUCTION |
| GYPSUM BOARD | 1 HOUR | ONE LAYER OF 5/8" TYPE X GYPSUM BOARD BOTH SIDES |
| | 2 HOUR | TWO LAYERS OF 5/8" TYPE X GYPSUM BOARD |
| CONCRETE BLOCK | 1 HOUR | 8" HOLLOW MINIMUM |
| | 2 HOUR | 8" SOLID OR 8" HOLLOW MINIMUM |

| GENERAL NOTES - CHAPTER 6 | |
|--|--|
| TABLE 601 - FIRE-RESISTIVE RATING REQUIREMENTS | TYPE II CONSTRUCTION REQUIRES EXTERIOR BEARING WALLS TO BE 2-HOUR RATED. THE EXTERIOR WALLS FOR THIS STRUCTURE ARE NOT LOAD BEARING. |
| SECTION 602.3 - TYPE III | EXTERIOR WALLS SHALL BE OF NONCOMBUSTIBLE MATERIALS AND INTERIOR BUILDING ELEMENTS SHALL BE OF ANY MATERIAL PERMITTED BY THIS CODE. |

| GENERAL NOTES - CHAPTER 9 | |
|--|--|
| SECTION 901.6.1 - AUTOMATIC SPRINKLER SYSTEMS | SHALL BE MONITORED BY AND APPROVED SUPERVISING STATION. |
| SECTION 901.6.2 - FIRE ALARM SYSTEMS | SHALL BE MONITORED BY AND APPROVED SUPERVISING STATION. |
| SECTION 903.3.1.1 - NFPA 13 SPRINKLER SYSTEMS | AUTOMATIC SPRINKLER SYSTEMS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH NFPA 13, EXCEPT AS PROVIDED IN SECTION 903.3.1.1. |
| SECTION 903.4.1 - MONITORING | ALARM SUPERVISORY AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT AND SHALL BE AUTOMATICALLY TRANSMITTED TO AN APPROVED SUPERVISING STATION. |
| SECTION 903.4.2 - ALARMS | APPROVED AUDIBLE DEVICES SHALL BE CONNECTED TO THE SPRINKLER SYSTEM. ACTIVATION OF THE SPRINKLER SYSTEM SHALL ACTIVATE THE BUILDING FIRE ALARM SYSTEM. |
| SECTION 904 - ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS | REFER TO SPECIFICATION AND PLANS FOR LOCATIONS AND REQUIREMENTS FOR ALTERNATE EXTINGUISHING SYSTEMS UTILIZED. |

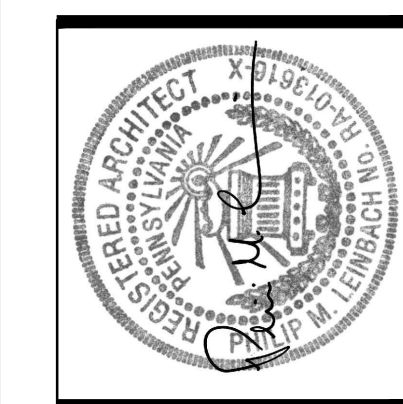
| GENERAL NOTES - CHAPTER 9 (CONTINUED) | |
|--|--|
| SECTION 906.1 - PORTABLE FIRE EXTINGUISHERS | PORTABLE FIRE EXTINGUISHERS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: 1. IN ALL GROUP A, B, E, F, H, I, M, R-1, R-2, R-4, AND S OCCUPANCIES. 2. IN AREAS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED, USED OR DISPENSED. 3. WHERE REQUIRED BY TABLE 906.1. |
| SECTION 907 - FIRE ALARM AND DETECTION SYSTEMS | SECTION 907.1.2 - FIRE ALARM SHOP DRAWINGS SHOP DRAWING FOR FIRE ALARM SYSTEMS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO SYSTEM INSTALLATION; REFER TO DRAWINGS AND SPECIFICATION. |

| GENERAL NOTES - CHAPTER 10 | |
|---|--|
| SECTION 1004.1 - DESIGN OCCUPANT LOAD | REFER TO CODE PLAN AND UPPER CODE PLAN ON THIS DRAWING. |
| TABLE 1004.1.1 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT | UTILIZED FOR CALCULATING OCCUPANT LOAD THROUGHOUT BUILDING. ACCESSORY STORAGE, MECHANICAL EQUIPMENT ROOM - 300 SF / OCCUPANT BUSINESS AREA - 100 SF GROSS INDUSTRIAL - 100 SF GROSS WAREHOUSE - 500 SF GROSS |
| SECTION 1005.1 - MINIMUM REQUIRED EGRESS WIDTH | TOTAL MEANS OF EGRESS SHALL NOT BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY THE MEANS OF EGRESS MULTIPLIED BY: 0.17 PER OCCUPANT FOR STAIRWAYS 0.2 PER OCCUPANT FOR OTHER EGRESS COMPONENTS |

| GENERAL NOTES - CHAPTER 11 | |
|---|--|
| SECTION 1101 - GENERAL | BUILDING IS DESIGNED TO MEET ACCESSIBILITY REQUIREMENTS FOR ACCESS TO ALL WORK AREAS AND COMMON USE AREAS. PER CHAPTER 11 & ANSI A117.1-2003. |
| SECTION 1104.1 - SITE ARRIVAL POINTS | ACCESSIBLE ROUTES WITHIN THE SITE SHALL BE PROVIDED FROM ACCESSIBLE PARKING. |
| SECTION 1104.4 - MULTILEVEL BUILDINGS AND FACILITIES | AN ACCESSIBLE ROUTE IS NOT REQUIRED TO STORIES AND MEZZANINES THAT HAVE AN AGGREGATE AREA OF NOT MORE THAN 3,000 SF AND ARE LOCATED ABOVE AND BELOW ACCESSIBLE LEVELS. |
| SECTION 1105 - ACCESSIBLE ENTRANCES | AT LEAST 60% OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE. |
| SECTION 1106 - PARKING AND PASSENGER LOADING FACILITIES | WHERE PARKING IS PROVIDED, ACCESSIBLE PARKING SHALL BE PER TABLE 1106.1. 51-75 PARKING SPACES PROVIDED REQUIRE MIN. 3 ACCESSIBLE SPACES. FOR EVERY 6, OR FRACTION OF 6, ACCESSIBLE PARKING SPACES, AT LEAST ONE SHALL BE A VAN ACCESSIBLE SPACE. ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE BUILDING ENTRANCE. |
| SECTION 1109 - COMMON USE FACILITIES | TOILET ROOMS AND BATHING FACILITIES SHALL BE ACCESSIBLE. 50% OF DRINKING FOUNTAINS ON EACH FLOOR SHALL BE ACCESSIBLE. 5%, BUT NOT LESS THAN ONE OF EACH TYPE OF LOCKER SHALL BE ACCESSIBLE. |
| SECTION 1110 - SIGNAGE | REQUIRED ACCESSIBLE ELEMENTS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. REFER TO SIGN TYPES ON A-9. |

| LEGEND | |
|--|----------|
| DESCRIPTION | SYMBOL |
| DOOR EGRESS TAG | (Symbol) |
| OCCUPANCY ROOM TAG | (Symbol) |
| FIRE RATING LINE TYPES | (Symbol) |
| EGRESS LINE TYPES | (Symbol) |
| NOTE 1: (Symbol) DEPICTS DIRECTION OF TRAVEL | |
| NOTE 2: MAXIMUM TRAVEL DISTANCE IN FEET | |
| AREAS OF REFUGE | (Symbol) |
| EXIT SEPARATION DISTANCE (REFER TO NOTE 2 BELOW) | |
| (ODES) DIAGONAL DISTANCE OVERALL SEPARATION (ESD) EXIT SEPARATION DISTANCE | |

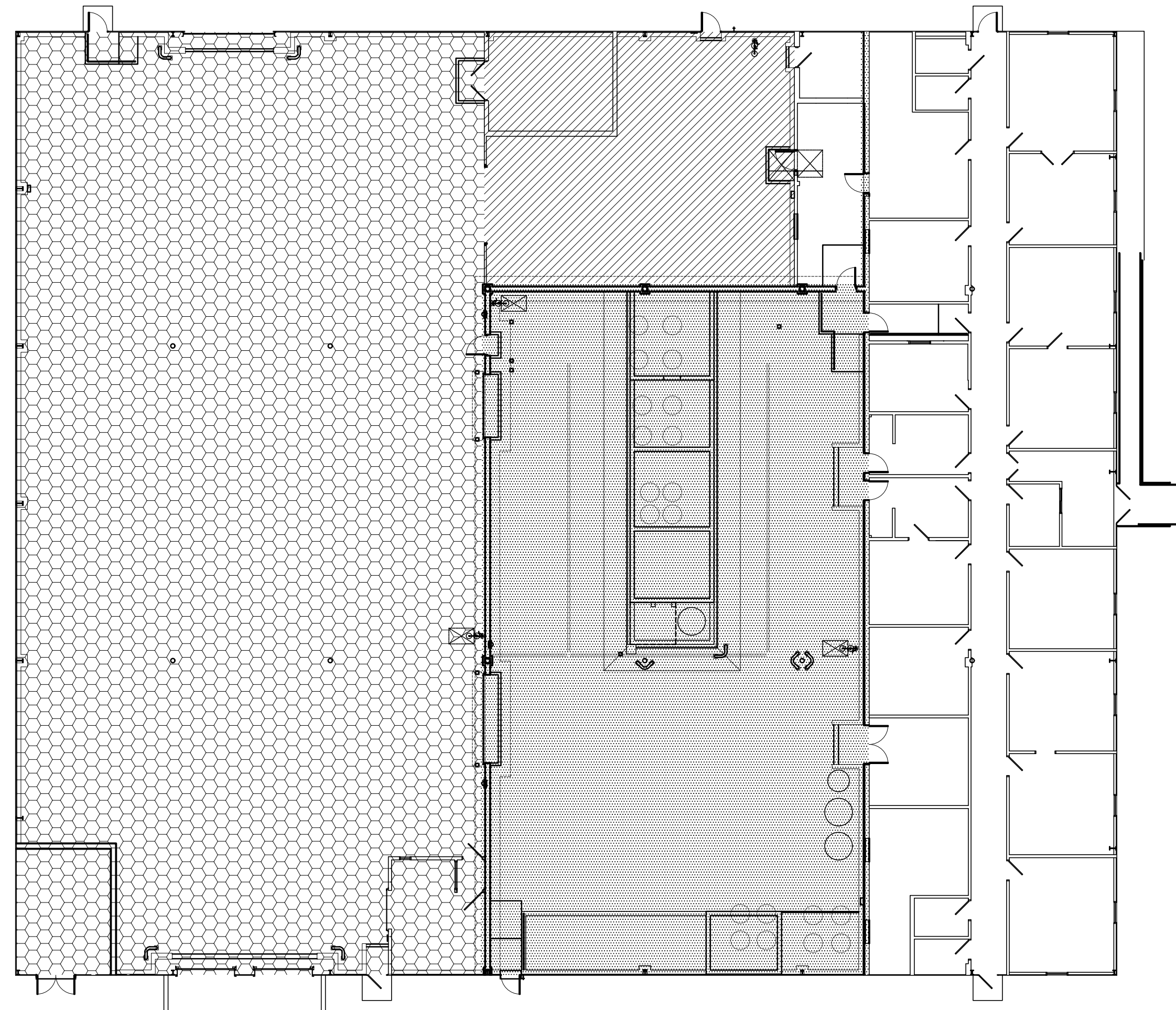
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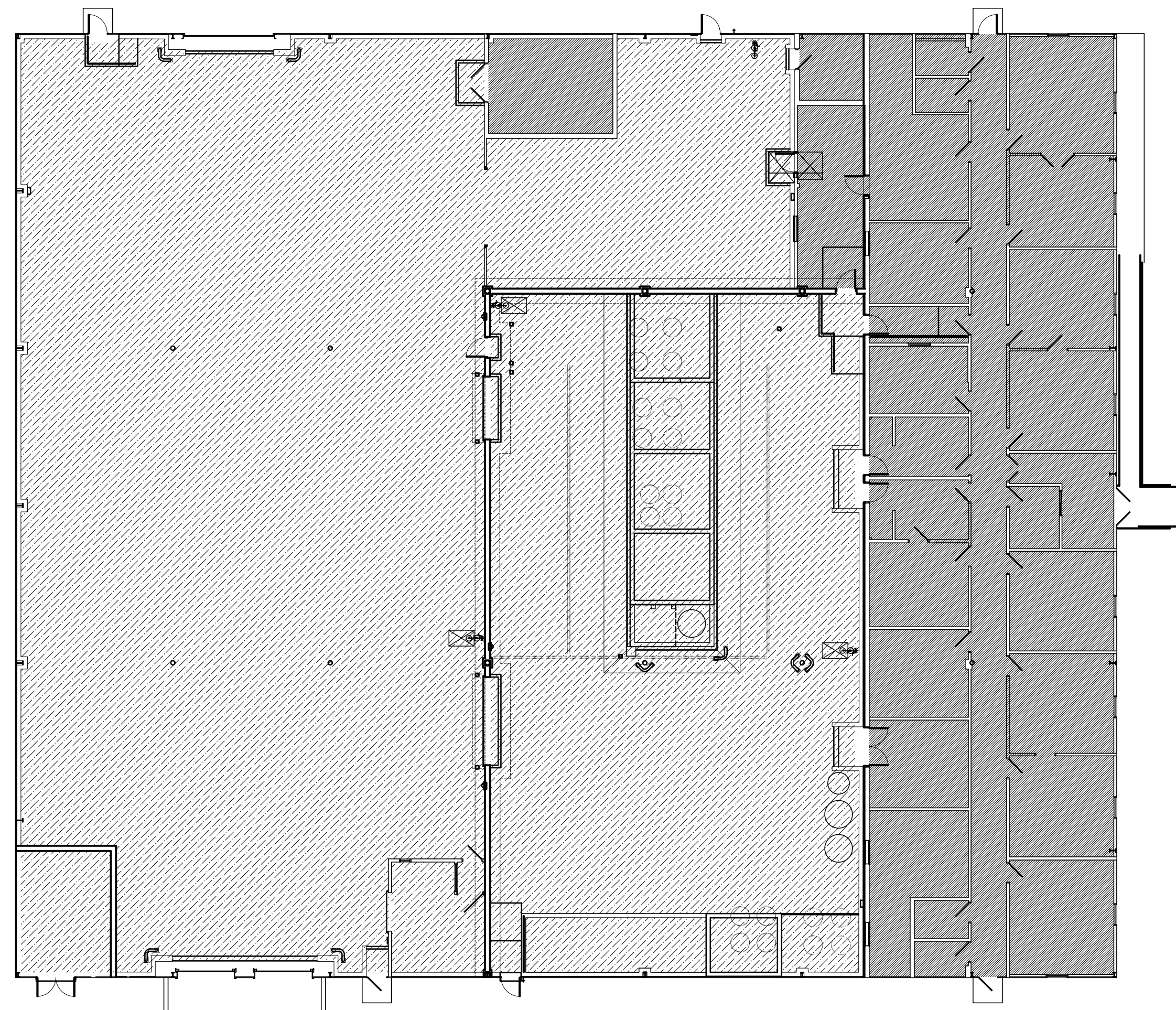
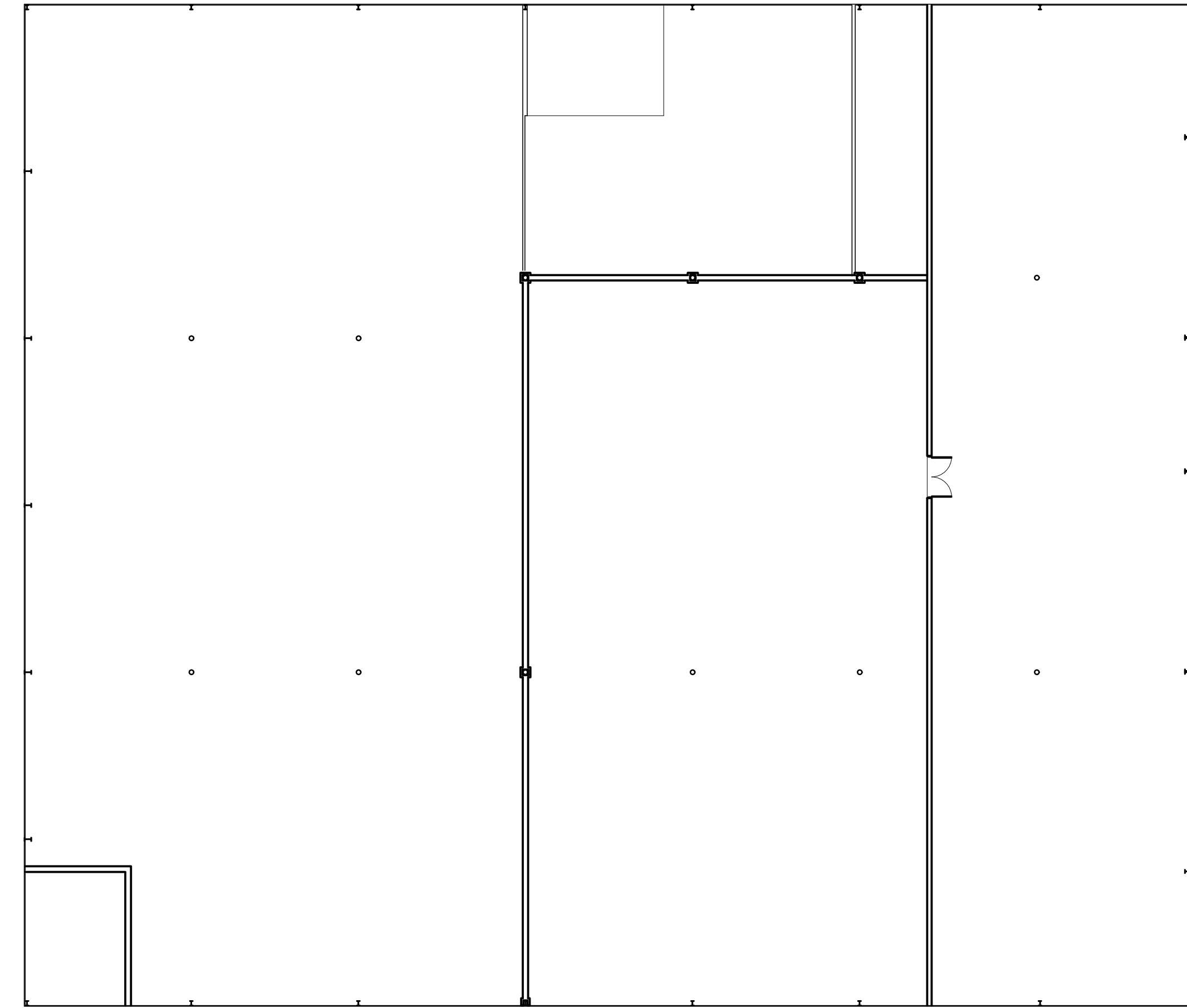
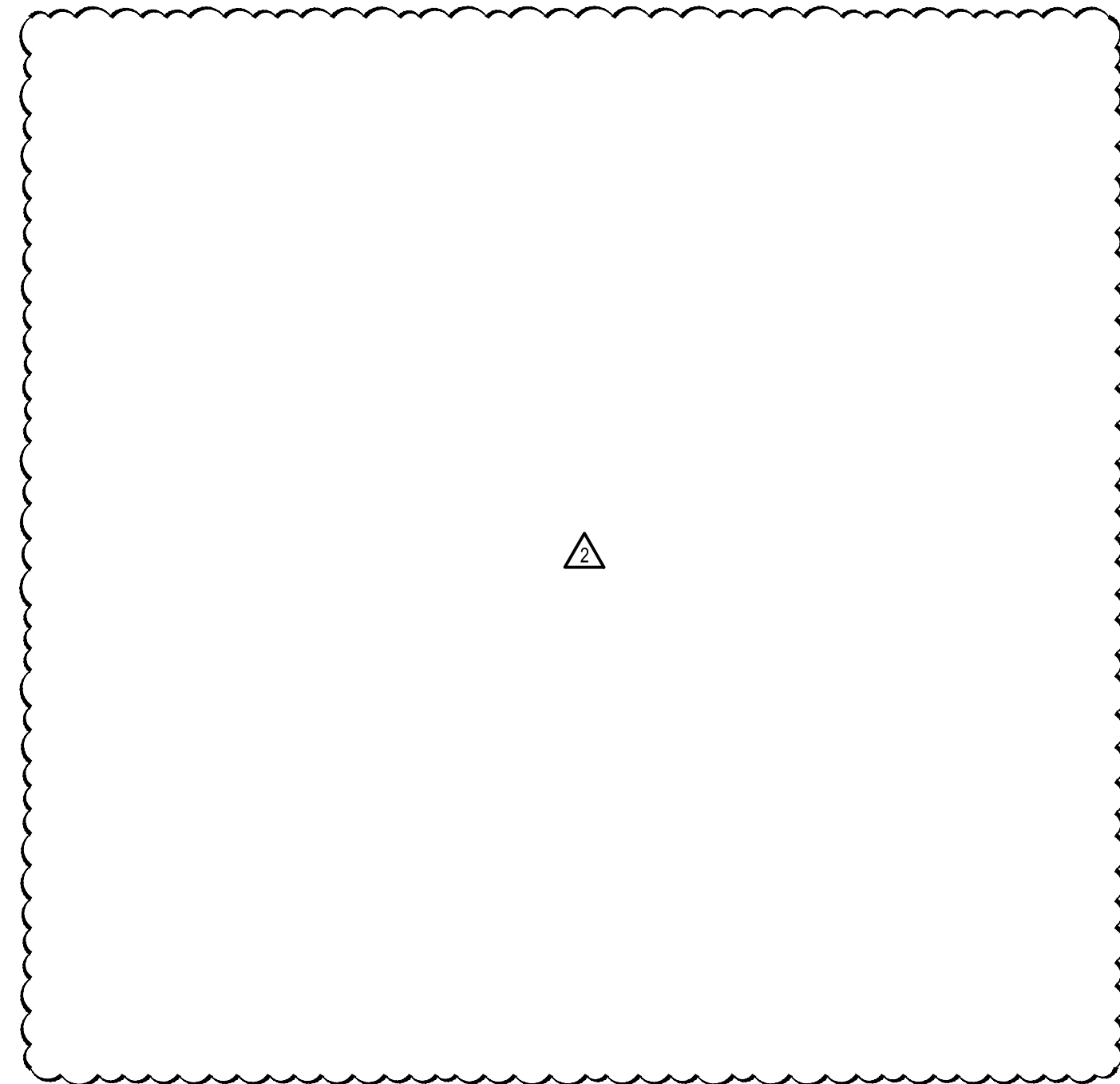
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1/16" CODE PLANS
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 72 FELCK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

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 JOB NO.: 20003.00
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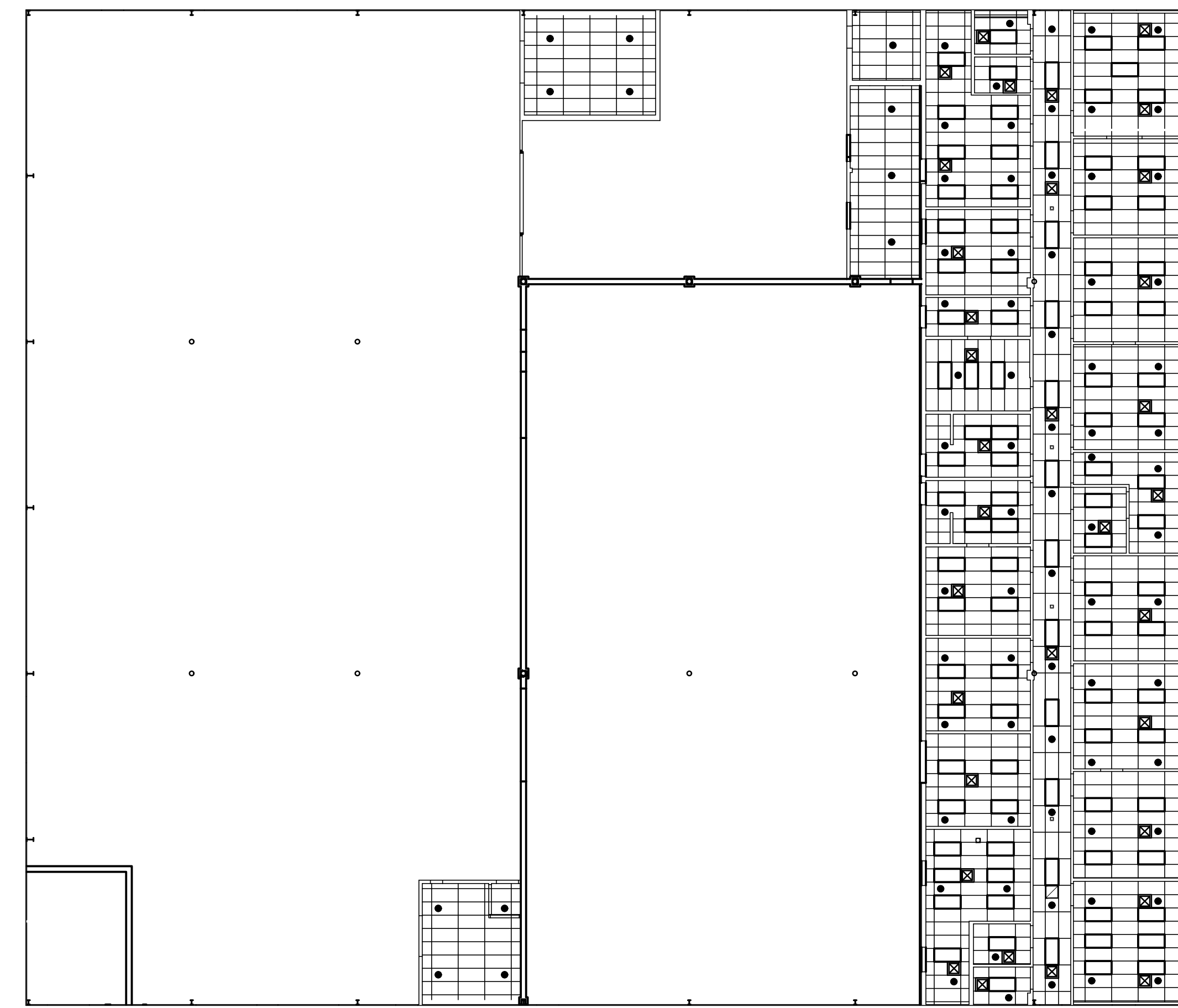
PHASING PLAN
SCALE: 1/16" = 1'-0"



FLOOR FINISH PLAN
SCALE: 1/16" = 1'-0"

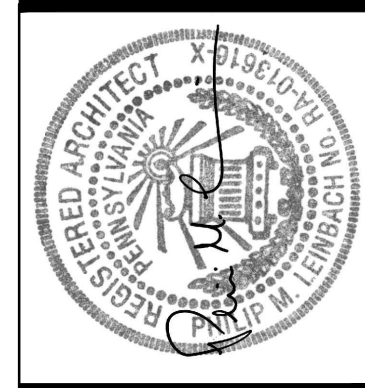
| FLOOR TYPE LEGEND | |
|----------------------|-----------------------------------|
| SYMBOL | DESCRIPTION |
| | EPOXY FLOORING W/ 6" COVERED BASE |
| | EXISTING FLOORING TO REMAIN |
| | |
| | |
| | |
| FLOORING NOTES | |
| 1. FLOORING SHALL BE | |

| CEILING TYPE LEGEND | |
|---------------------|--|
| SYMBOL | DESCRIPTION |
| | EXISTING 2' X 4' AC TILE - REMOVE, SALVAGE AND REINSTALL |
| | EXPOSED STRUCTURE |
| | EXISTING 2' X 4' LIGHT FIXTURE |
| | |
| | |
| | |



REFLECTED CEILING PLAN
SCALE: 1/16" = 1'-0"

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1/16" REFLECTED CEILING, PHASING AND FLOOR FINISH PLANS
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR
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BY THE CONTRACTOR AT THE SITE.
JOB NO.: 20003.00
DRAWN BY: JJK
DATE: 08.30.2021

| TANK SCHEDULE | | | | | | | |
|---------------|--------------------|------------------------------|---------------------|---------------------|--|------------------|---|
| TANK | CAPACITY (GALLONS) | TANK USE | WEIGHT (TANK/TOTAL) | CONTAINMENT AREA ID | TANK DIMENSIONS | LOAD CELL HEIGHT | DESCRIPTION & TANK SCHED. NOTE REFERENCES |
| UTA | 6,000 | GENERAL PURPOSE | --- | SCA001 | 102" DIAM. 195" HIGH 210" TOTAL INSTALLED HEIGHT | 8" | NOTE 5 |
| UTB | 1,009 | E-CLPS (ONLY) | --- | SCA002 | 64" DIAM. 72.5" HIGH 100" TOTAL INSTALLED HEIGHT | 8.75" | NOTE 4 |
| UTC | 2,854 | GENERAL PURPOSE | --- | SCA003 | 84" DIAM. 119" HIGH 135" TOTAL INSTALLED HEIGHT | 8" | NOTES 1,5 |
| UTD | 1,289 | GENERAL PURPOSE | --- | SCA004 | 72" DIAM. 72" HIGH 101" TOTAL INSTALLED HEIGHT | 8" | NOTE 4 |
| UTE | 1,998 | CHROME PRODUCTS (ONLY) | --- | SCA005 | 81.5" DIAM. 88.5" HIGH 114" TOTAL INSTALLED HEIGHT | 8" | NOTE 1 |
| UTF | 506 | GENERAL PURPOSE | --- | --- | 53" DIAM. 53" HIGH 59" TOTAL INSTALLED HEIGHT | 8" SCALE HEIGHT | NOTE 3 |
| UTG | 506 | RP9100 / CHROMIC ACID (ONLY) | --- | --- | 53" DIAM. 53" HIGH 59" TOTAL INSTALLED HEIGHT | 8" SCALE HEIGHT | NOTE 3 |
| UTH | 506 | REI-CLPS (ONLY) | --- | SCA005 | 53" DIAM. 53" HIGH 59" TOTAL INSTALLED HEIGHT | 8" SCALE HEIGHT | NOTE 3 |
| UTI | 219 | GENERAL PURPOSE | --- | --- | 41.5" DIAM. 36" HIGH 42" TOTAL INSTALLED HEIGHT | 8" SCALE HEIGHT | NOTE 3 |
| ST001 | 5,622 | WATER DIRECT FROM WELL | 1,500 | N.A. | 110" DIAM. 150.5" HIGH 150.5" TOTAL INSTALLED HEIGHT | --- | NOTE 1 |
| ST002 | 6,617 | DEIONIZED WATER | 1,600 | N.A. | 122" DIAM. 145" HIGH 145" TOTAL INSTALLED HEIGHT | --- | NOTE 1 |
| ST003 | 4,400 | PHOSPHORIC ACID 75% | 2,700 | DOUBLE WALLED | --- | --- | --- |
| ST004 | 2,763 | E-CLPS 2101 | 600 | DOUBLE WALLED | 108" DIAM. 119" HIGH 119" TOTAL INSTALLED HEIGHT | --- | NOTE 1 |
| ST005 | 6,650 | SODIUM HYDROXIDE 50% | 4,400 | DOUBLE WALLED | --- | --- | --- |
| ST006 | 4,400 | POTASSIUM HYDROXIDE 45% | 2,700 | DOUBLE WALLED | --- | --- | --- |
| WW998 | 2,100 | WASTE WATER | --- | SCA007 | 90" DIAM. 67" HIGH 90" TOTAL INSTALLED HEIGHT | --- | NOTE 1 |
| WW999 | 2,112 | WASTE WATER | --- | SCA007 | 85.375" DIAM. 85.25" HIGH 86.75" TOTAL INSTALLED HEIGHT | --- | NOTE 2 |

- TANK SCHEDULE NOTES:**
- G.C. SHALL REMOVE TANK FROM EXISTING BULK CHEMICALS, INC. MOHRVILLE FACILITY.
 - G.C. SHALL REMOVE TANK FROM EXISTING ABF FACILITY ADJACENT TO BCI STINSON OFFICES.
 - FLOOR SCALE HEIGHT = 8". FLOOR SCALE MAY NEED TO BE RAISED SO THE SCALE CAN BE ACCESSED BY THE FORKLIFTS. THIS IS IN ADDITION TO THE TOTAL INSTALLED HEIGHT.
 - LOAD CELLS FOR USE TANKS B AND C ARE 8-3/4" HIGH. THIS IS IN ADDITION TO THE TOTAL INSTALLED HEIGHT.
 - LOAD CELLS FOR USE TANK A ARE 8" HIGH. THIS IS IN ADDITION TO THE TOTAL INSTALLED HEIGHT.

WALL TYPE LEGEND

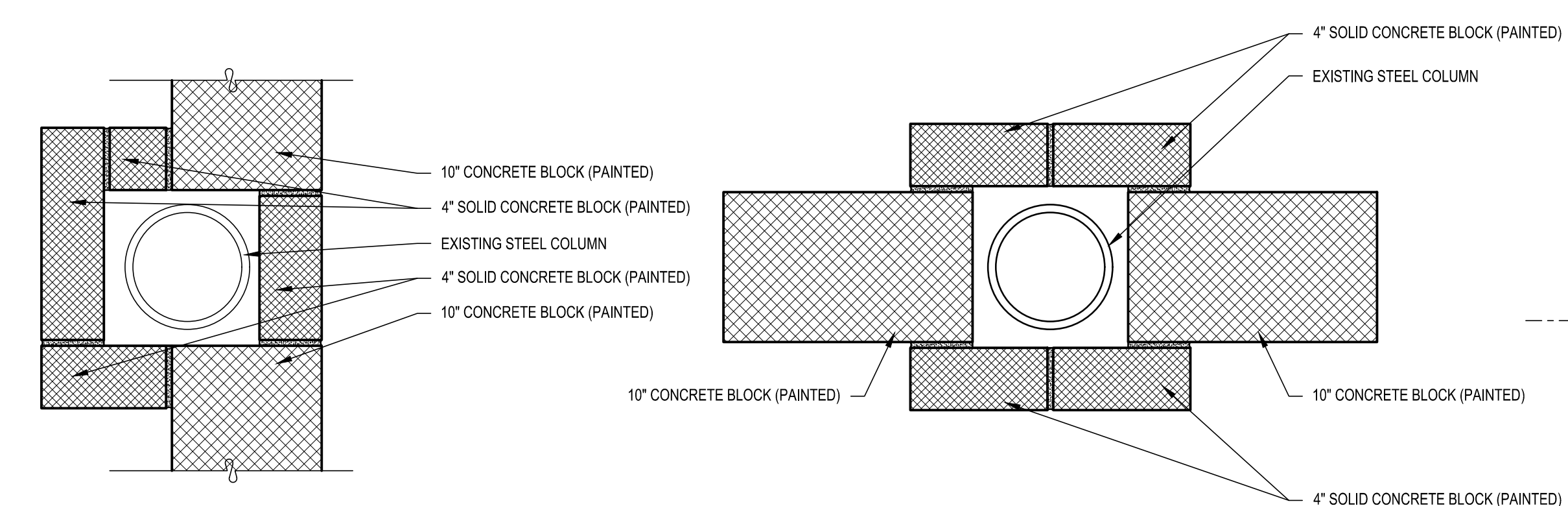
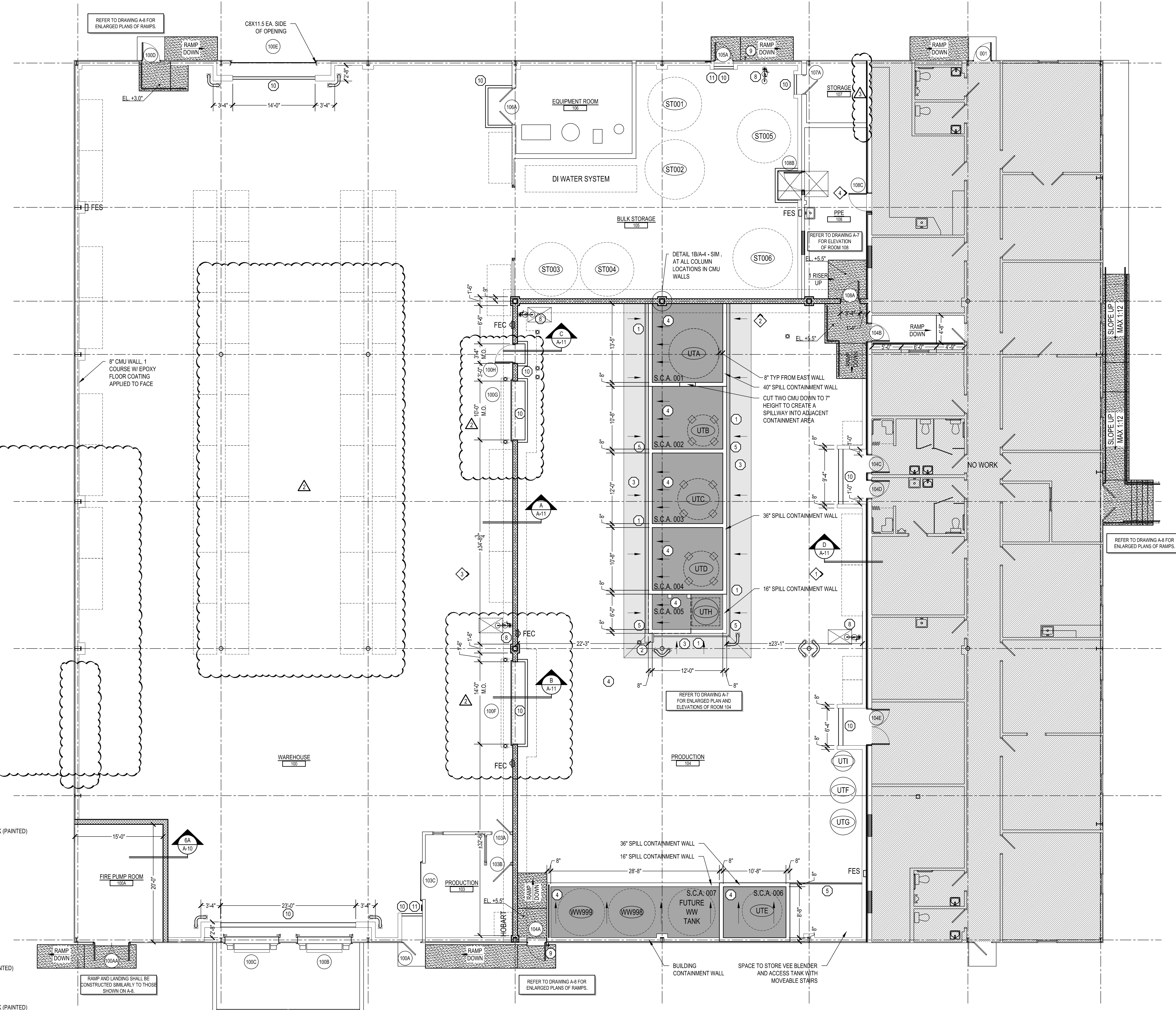
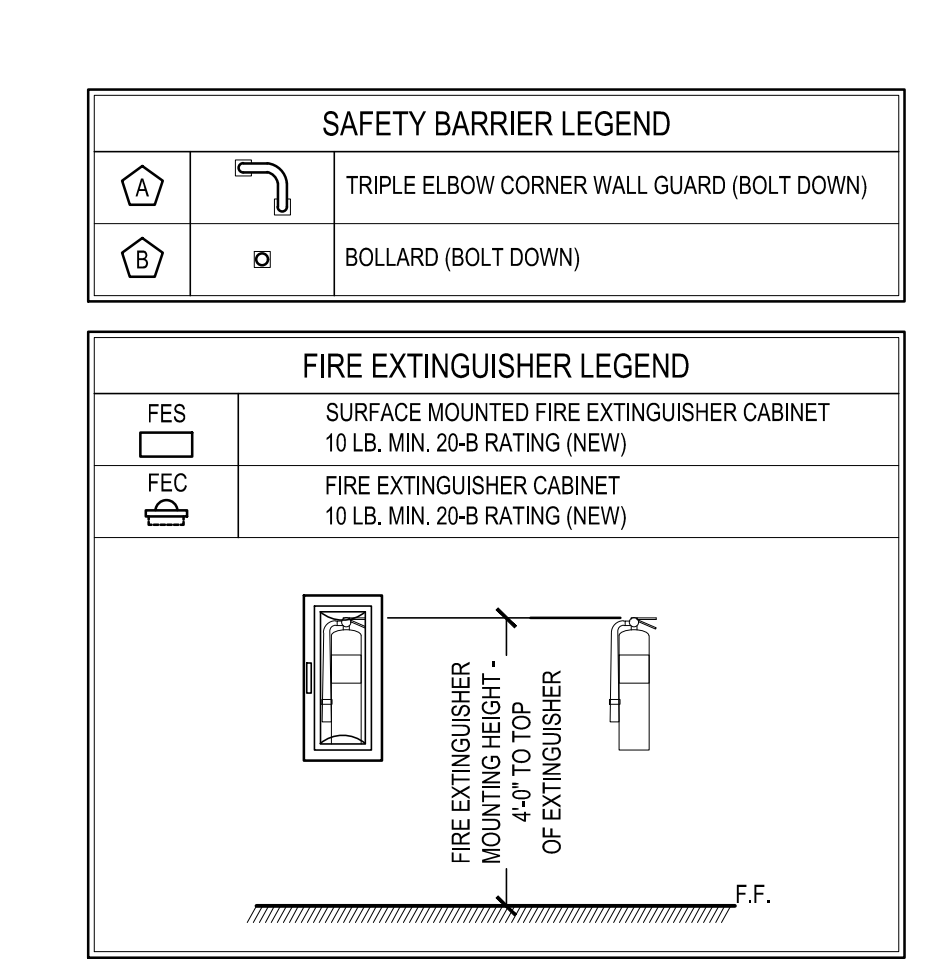
| | |
|----------|--|
| [Symbol] | EXISTING CONSTRUCTION TO BE DEMOLISHED |
| [Symbol] | EXISTING WALL TO REMAIN |
| [Symbol] | GYPSUM BOARD WALL |
| [Symbol] | CONCRETE BLOCK WALL |
| [Symbol] | 2 HOUR GYP. BOARD WALL (UL U38) |

REFER TO PLANS, WALL SECTIONS, DETAILS, ROOM FINISH SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING WALL CONSTRUCTION AND FINISHES.

| SECONDARY CONTAINMENT AREA SCHEDULE | | | | | |
|-------------------------------------|------|-----------------------|--------------------------|---------------------|---|
| AREA DESIGNATION | S.F. | HEIGHT/DEPTH (INCHES) | CONTAINMENT VOLUME (GAL) | LARGEST TANK VOLUME | CONTAINMENT AREA SCHEDULE NOTES AND REFERENCES |
| SCA001 | 161 | 40 | 4,017 | 6,000 | REMAINING TANK VOLUME WILL SPILL OVER INTO SCA002. TOTAL VOLUME - SCA001 + SCA002 = 6,889 GAL. |
| SCA002 | 128 | 36 | 2,872 | 1,009 | --- |
| SCA003 | 144 | 36 | 3,232 | 2,854 | --- |
| SCA004 | 128 | 36 | 2,872 | 1,269 | --- |
| SCA005 | 72 | 16 | 718 | 506 | --- |
| SCA006 | 92 | 36 | 2,072 | 1,998 | --- |
| SCA007 | 248 | 16 | 2,476 | 2,112 | --- |

- GENERAL RENOVATION NOTES:**
- ALL TANK LEGS SHALL HAVE INTUMESCENT PAINT APPLIED TO THE LEGS TO PROVIDE A 2 HOUR RATING. INTUMESCENT PAINT SHALL BE FIREGUARD E-84 BY SHIELD INDUSTRIES OR EQUAL.
- GENERAL NOTES:**
- A. ALL PROCESS PLUMBING BETWEEN TANKS SHALL BE PERFORMED BY THE CONTRACTOR.
 - B. COMPLETION OF CONTAINMENT DIKS SHALL BE BY THE GC.
 - C. ALL PALLET RACKING SHALL BE SUPPLIED AND INSTALLED BY THE OWNER.

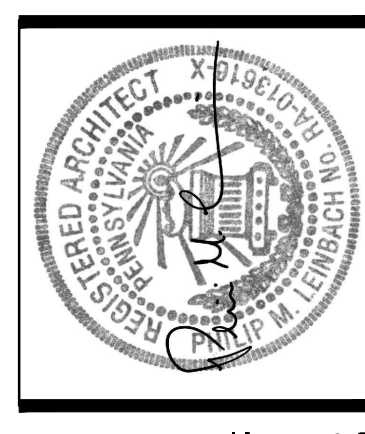
- KEYED RENOVATION NOTES:**
- TRENCH COLLECTION SYSTEM, REFER TO DETAIL 8/A-10. TRENCH COLLECTION SYSTEM SHALL SLOPE @ 1/8" / 12" TO SUMP.
 - 18" X 18" X 24" SLUMP.
 - SLOPE CONCRETE SLAB @ 1/8" / 12" FROM 4'-0" AWAY FROM CONTAINMENT WALL TO TRENCH COLLECTION SYSTEM.
 - SLOPE CONCRETE SLAB @ 1/8" / 12" IN THE DIRECTION SHOWN TOWARD ONE END OF THE CONTAINMENT AREA.
 - TRENCH COLLECTION SYSTEM @ CONSTANT SLOPE TO SUMP.
 - OMITTED
 - OMITTED
 - EMERGENCY SHOWER AND EYEWASH STATION
 - FROST FREE SPIGOT - REFER TO PLUMBING DRAWINGS
 - 4" HIGH PIG BUILD-UP-BERM CONTAINMENT BARRIER
 - DIRECTIONS TO ACCESSIBLE EXIT SIGNAGE
 - OMITTED



FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|----------|---|
| 1 | 07.14.21 | FIRE PUMP ROOM ADDED. STORAGE ROOM SIZE INCREASE |
| 2 | 08.12.21 | STORAGE ROOMS REMOVED, OUTSIDE PAD ADDED, CATWALK MODIFICATIONS |
| 3 | 08.30.21 | VARIOUS CHANGES / ADDITIONS |



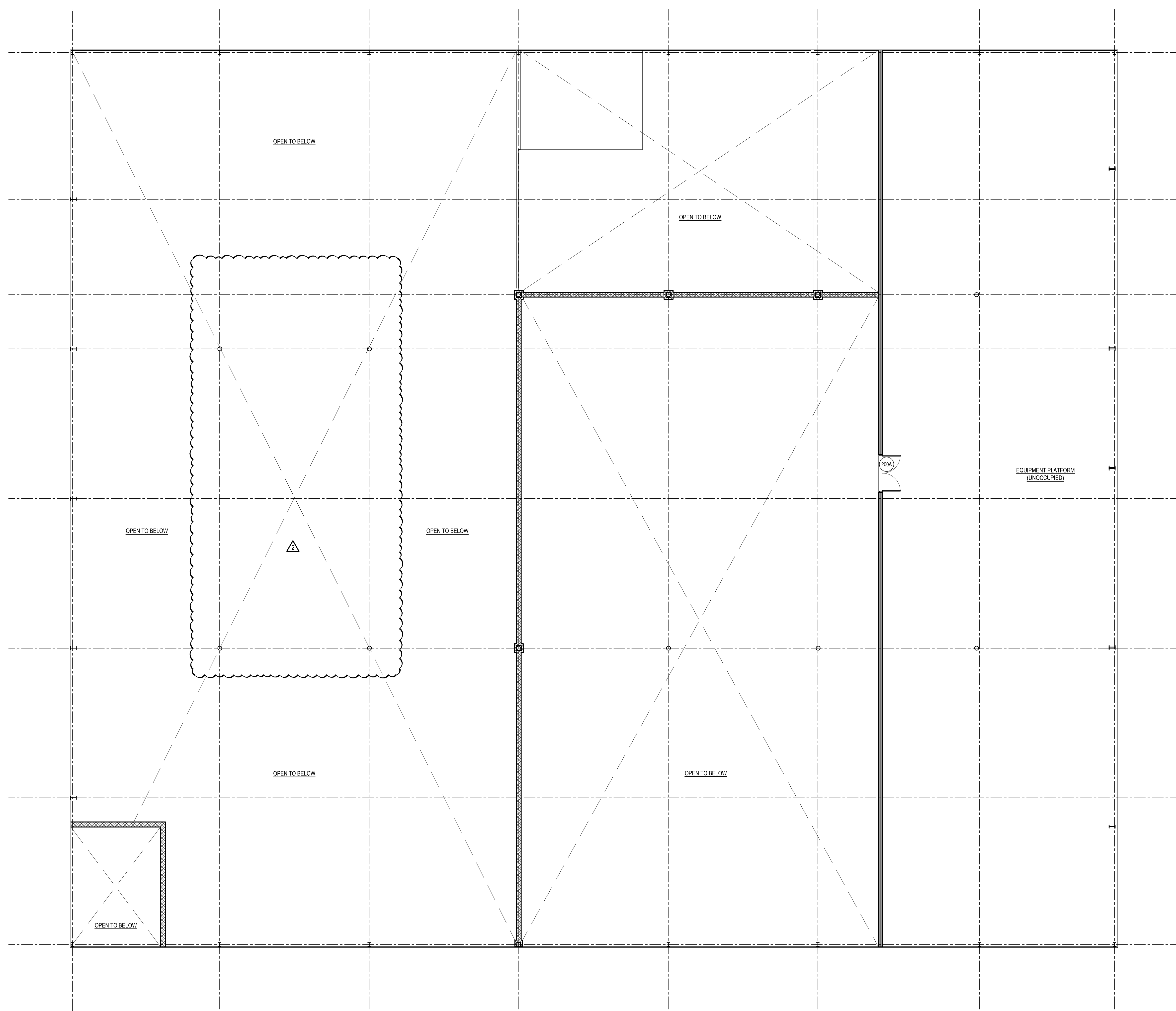
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PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR BULK CHEMICALS
72 FELCK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

JOB NO.: 20003.00
DRAWN BY:
DATE: 08.30.2021

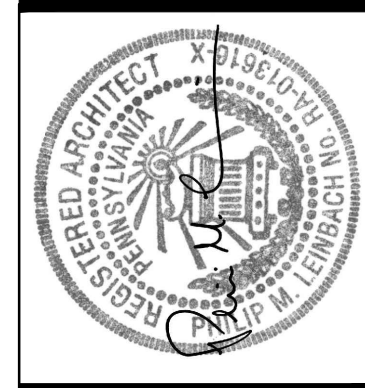
| DOOR HARDWARE SCHEDULE | | | | | |
|------------------------|------|-----|------------------|--------|-----------------------|
| | QTY | MFR | CAT NO. | FINISH | REMARKS |
| SET 1 | | | | | |
| HINGES | 3 | ST | FBB 199 NRP | US32D | |
| EXIT DEVICE | 1 | SA | 64 8943 ETL | US32D | |
| REMOVABLE CORE | 1 | SA | 6300 | US15 | |
| OH CLOSER | 1 | SA | 351 CFSH | EN | |
| KICK PLATE | 1 EA | RO | K1050 8" 4BE | US32D | |
| THRESHOLD | 1 | PE | 2005 AT MSES25SS | AL | |
| RAIN GUARD | 1 | PE | 34RD | AL | |
| PERIMETER SEALS | 1 | PE | 303 DS TKSP8 | AL | |
| SET 2 | | | | | |
| HINGES | 3 | ST | FBB 168 | US26D | DOOR 108 B: |
| LOCKSET | 1 | SA | 1015-LL | US32D | NO WALL STOP |
| OH CLOSER | 1 | SA | 351 P10 | EN | NO O.H. CLOSER |
| WALL STOP | 1 | RO | 406 | US26D | SA O.H. STOP 690H 26D |
| KICKPLATE | 1 EA | RO | K1050 8" 4BE | US32D | |
| SILENCERS | 3 | RO | 608 | GREY | |
| SET 3 | | | | | |
| HINGES | 3 | ST | FBB 168 | US26D | DOOR 108 C: |
| OH CLOSER | 1 | SA | 351 P10 | EN | NO KICK PLATE |
| LOCKSET | 1 | SA | 1015-LL | US32D | |
| KICK PLATE | 1 | RO | K1050 8" 4BE | US32D | |
| WALL STOP | 1 | RO | 406 | US26D | |
| SILENCERS | 3 | RO | 608 | GREY | |
| SET 4 | | | | | |
| HINGES | 6 | ST | FBB 168 | US26D | PROVIDE ASTRAGAL IF |
| LOCKSET | 1 | SA | 1015-LL | US32D | REQUIRED BY CODE |
| OH CLOSER | 2 | SA | 351 CPS | EN | |
| KICKPLATE | 1 EA | RO | K1050 8" 4BE | US32D | |
| SILENCERS | 3 | RO | 608 | GREY | |
| AUTO FLUSH BOLT SET | 1 | MK | FBB94 | US36D | |
| COORDINATOR | 1 | MK | UC125 | US26D | |
| SET 5 | | | | | |
| HINGES | 3 | ST | FBB 199 | US32D | |
| EXIT DEVICE | 1 | SA | 12 89 15 X ETL | US32D | |
| OH CLOSER | 2 | SA | 351 CPS | EN | |
| KICKPLATE | 1 EA | RO | K1050 8" 4BE | US32D | |
| SILENCERS | 3 | RO | 608 | GREY | |
| SET 6 | | | | | |
| HINGES | 6 | ST | FBB 199 NRP | US32D | |
| EXIT DEVICE | 1 | SA | 64 8943 ETL | US32D | |
| REMOVABLE CORE | 1 | SA | 6300 | US15 | |
| OH CLOSER | 1 | SA | 351 CFSH | EN | |
| ASTRAGAL | 1 | PE | 355CP | | |
| THRESHOLD | 1 | PE | 2005 AT MSES25SS | AL | |
| RAIN GUARD | 1 | PE | 34RD | AL | |
| PERIMETER SEALS | 1 | PE | 303 DS TKSP8 | AL | |
| MANUAL FLUSH BOLT SET | 1 | RO | 555 | US26D | |

DOOR HARDWARE ABBREVIATIONS:
SA SARGENT
ST STANLEY
RO ROCKWOOD
PE PEMKO
MK MCKINNEY



EQUIPMENT PLATFORM FLOOR PLAN
SCALE: 1/8" = 1'-0"

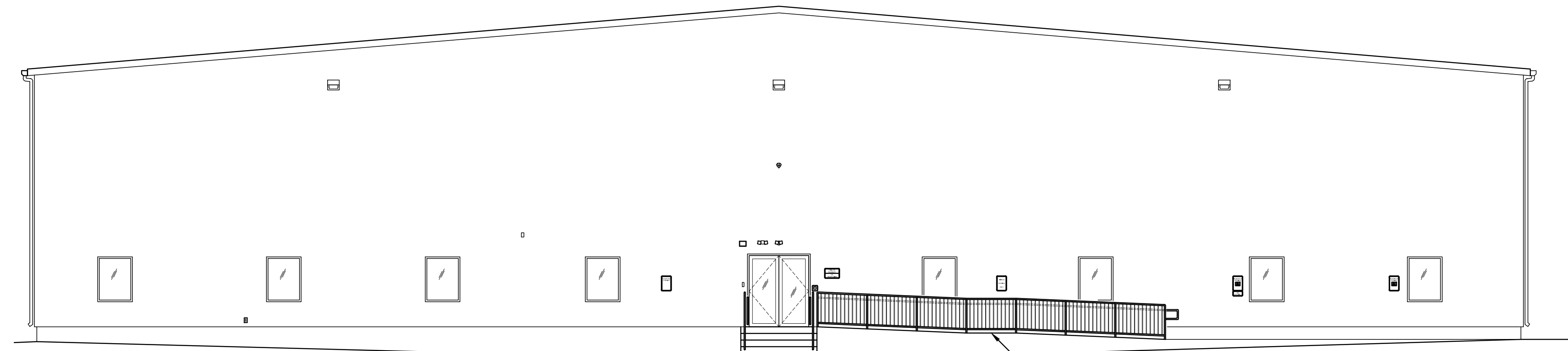
| DATE | DESCRIPTION |
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| 07.14.21 | FIRE PUMP ROOM ADDED, STORAGE ROOM SIZE INCREASE |
| 08.12.21 | STORAGE ROOMS REMOVED, OUTSIDE PAD ADDED, CATWALK MODIFICATIONS |
| 08.30.21 | VARIOUS CHANGES / ADDITIONS |



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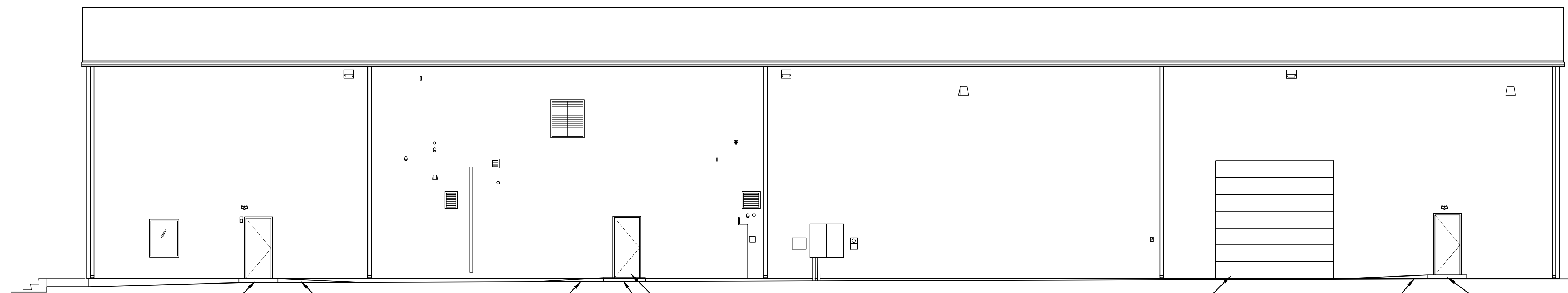
1/8" UPPER FLOOR PLAN
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR
BULK CHEMICALS
72 FEICK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

ALL DIMENSIONS AND EXISTING CONDITIONS
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JOB NO.: 20003.00
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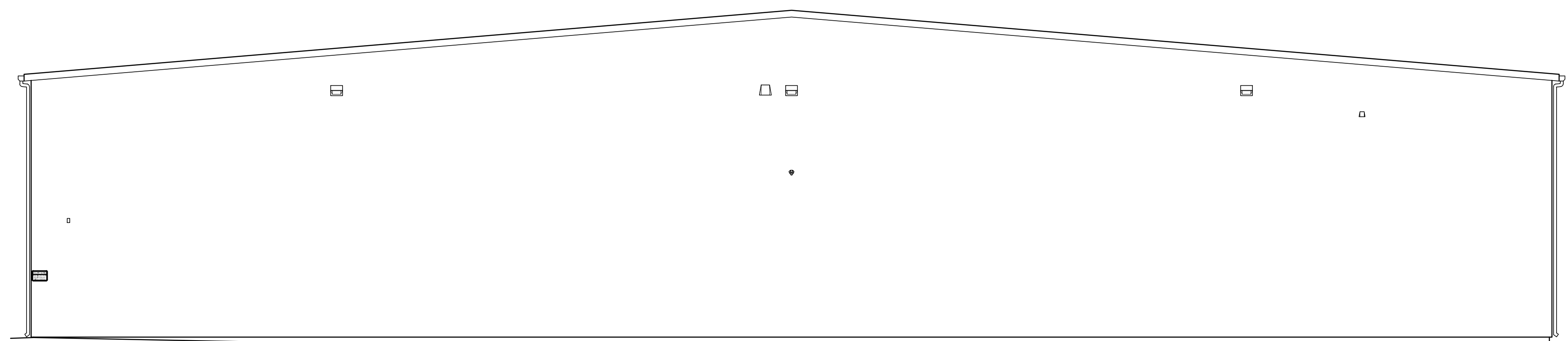
EXTERIOR ELEVATION - EAST

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



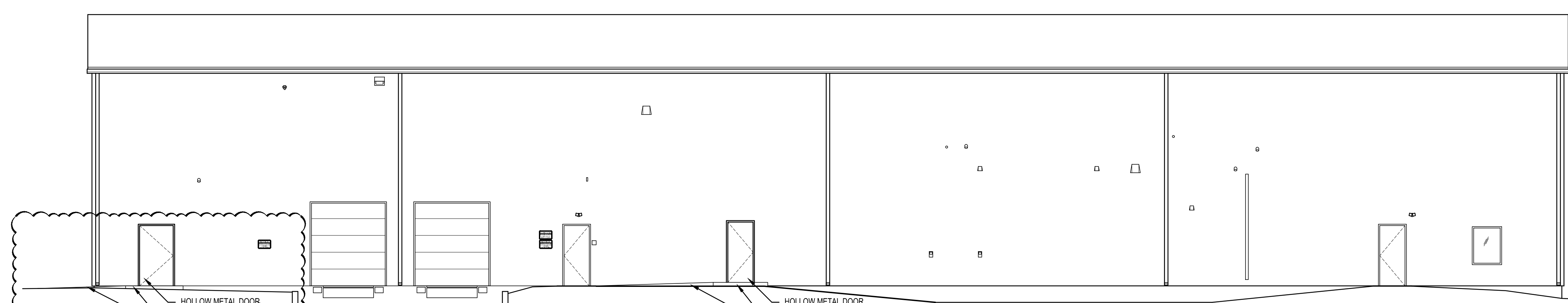
EXTERIOR ELEVATION - NORTH

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



EXTERIOR ELEVATION - WEST

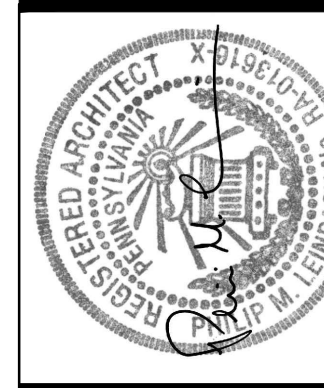
SCALE: 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH

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

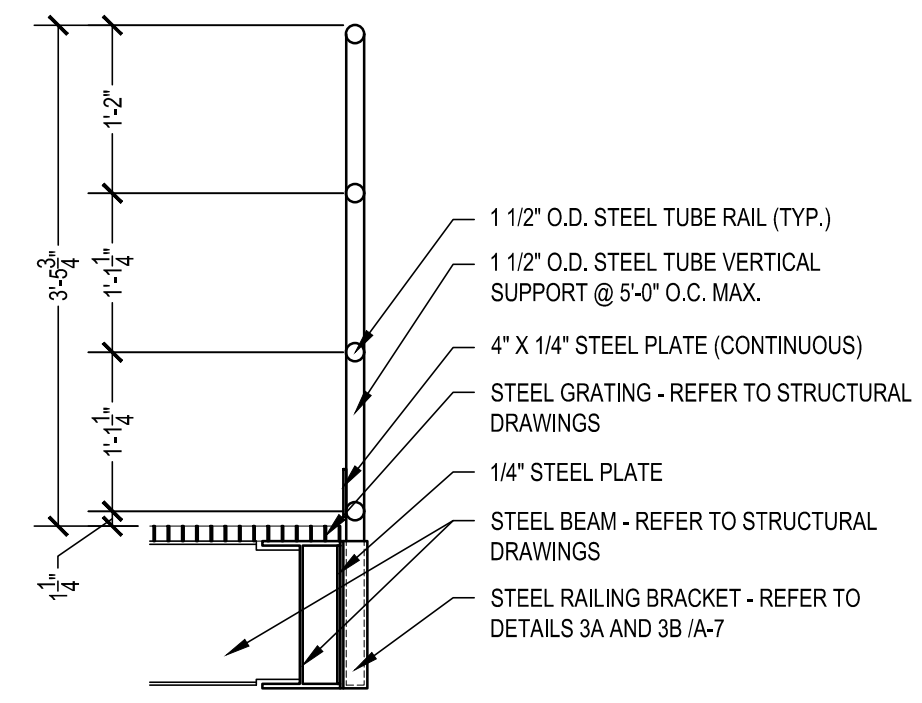
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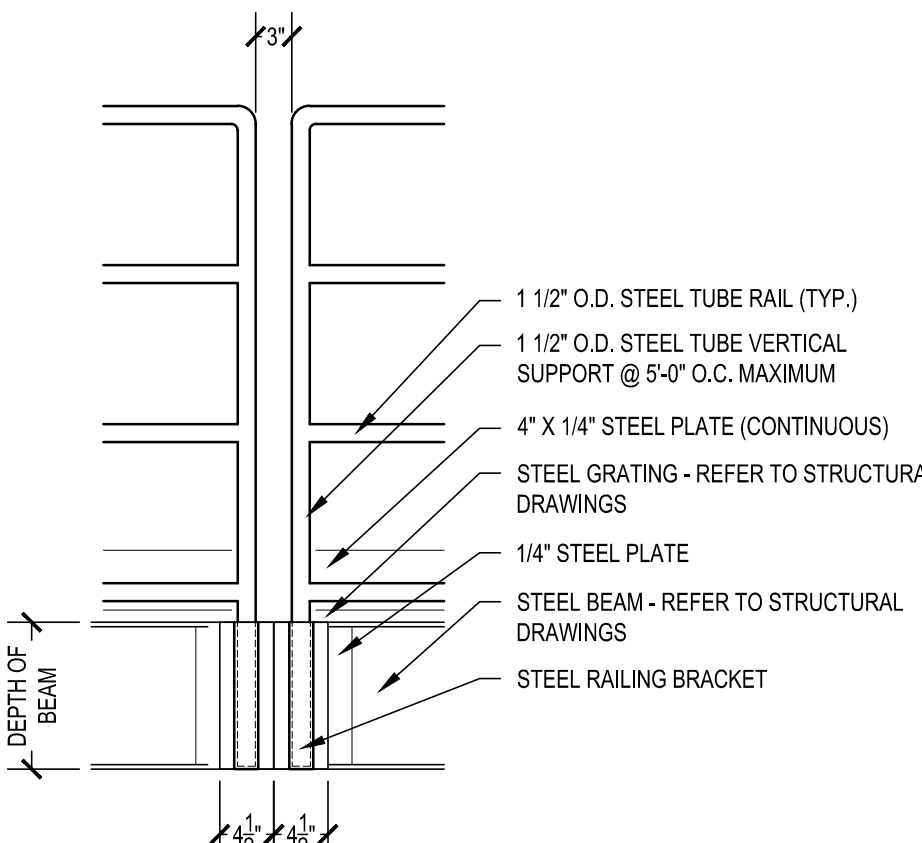
1/8" EXTERIOR ELEVATIONS
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR BULK CHEMICALS
 72 FEICK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

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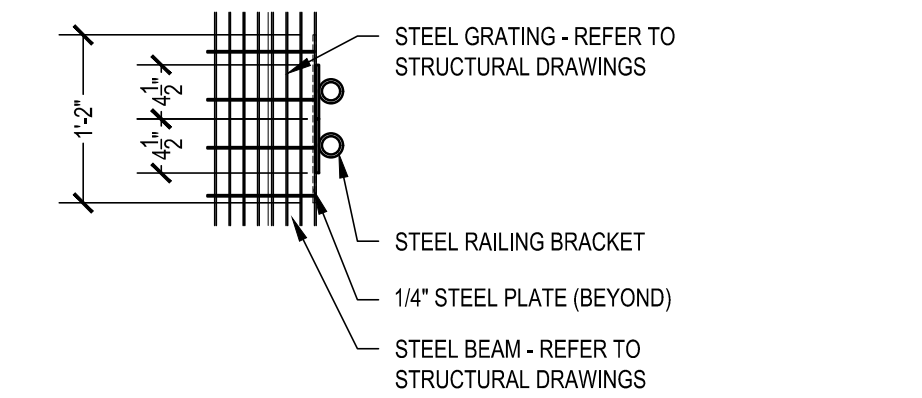


NOTE: ALL RAILING AND WORK PLATFORM STEEL COMPONENTS SHALL BE GALVANIZED AND PAINTED

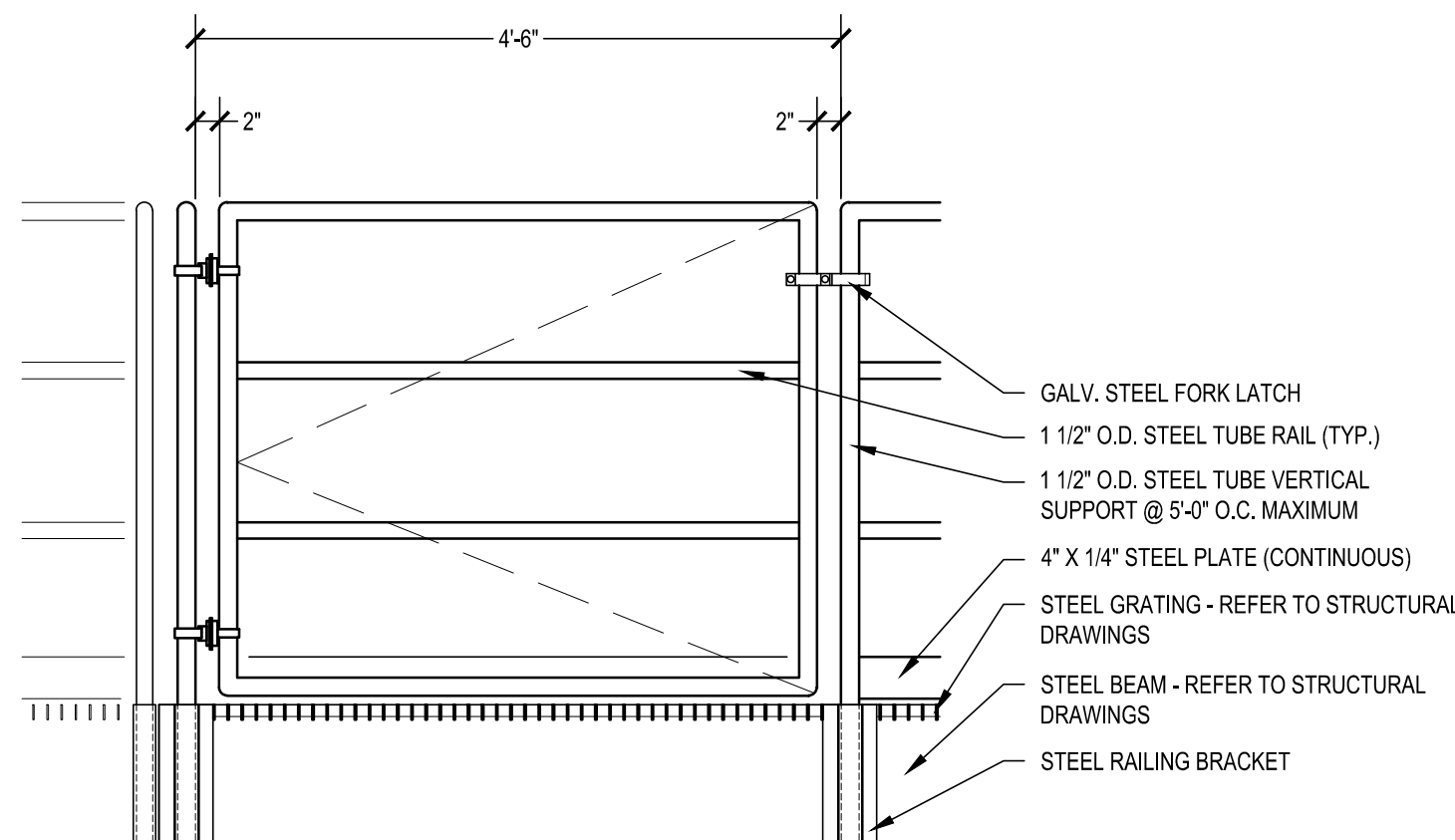
1 RAILING DETAIL
SCALE: 3/4" = 1'-0"



2 RAILING BRACKET DETAIL
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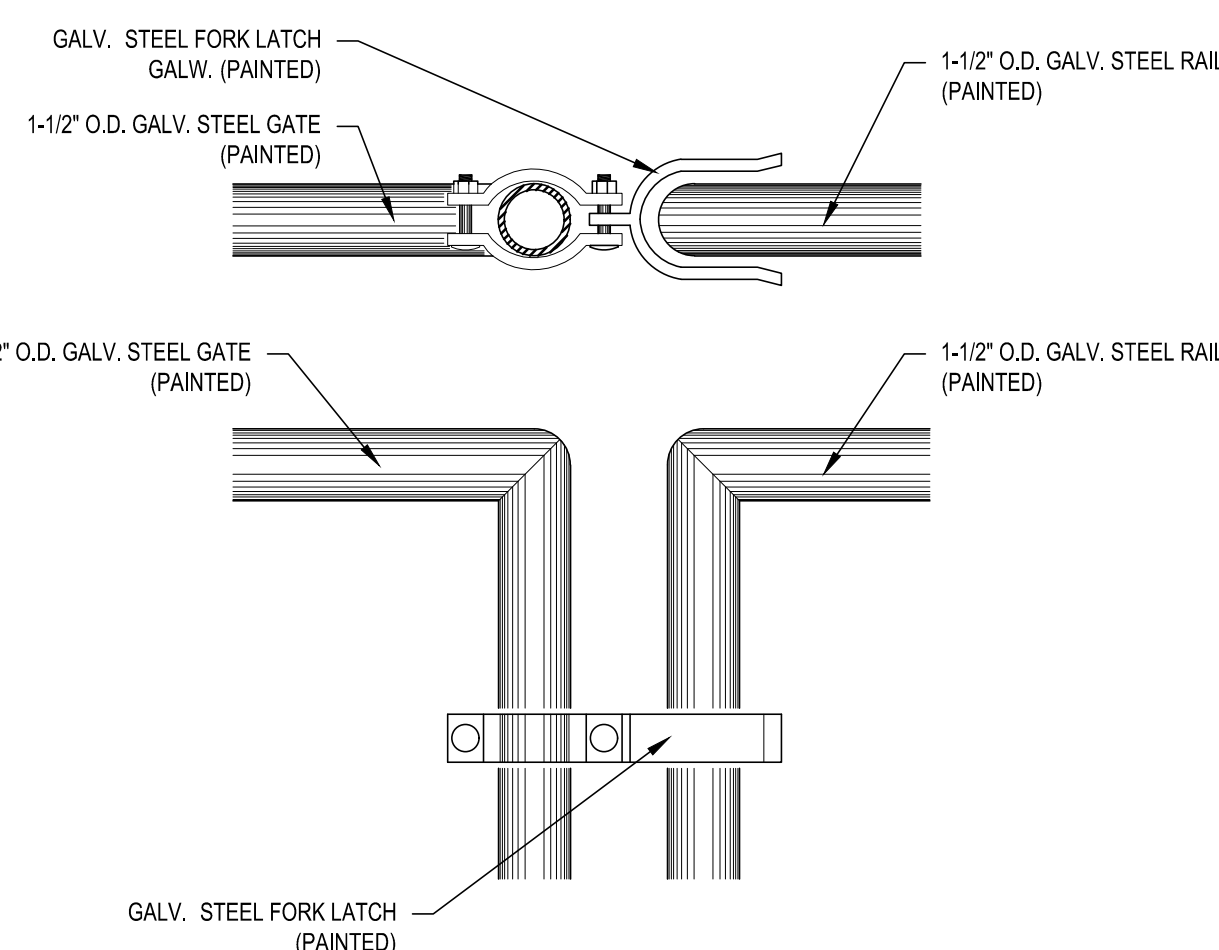


3 RAILING BRACKET DETAIL
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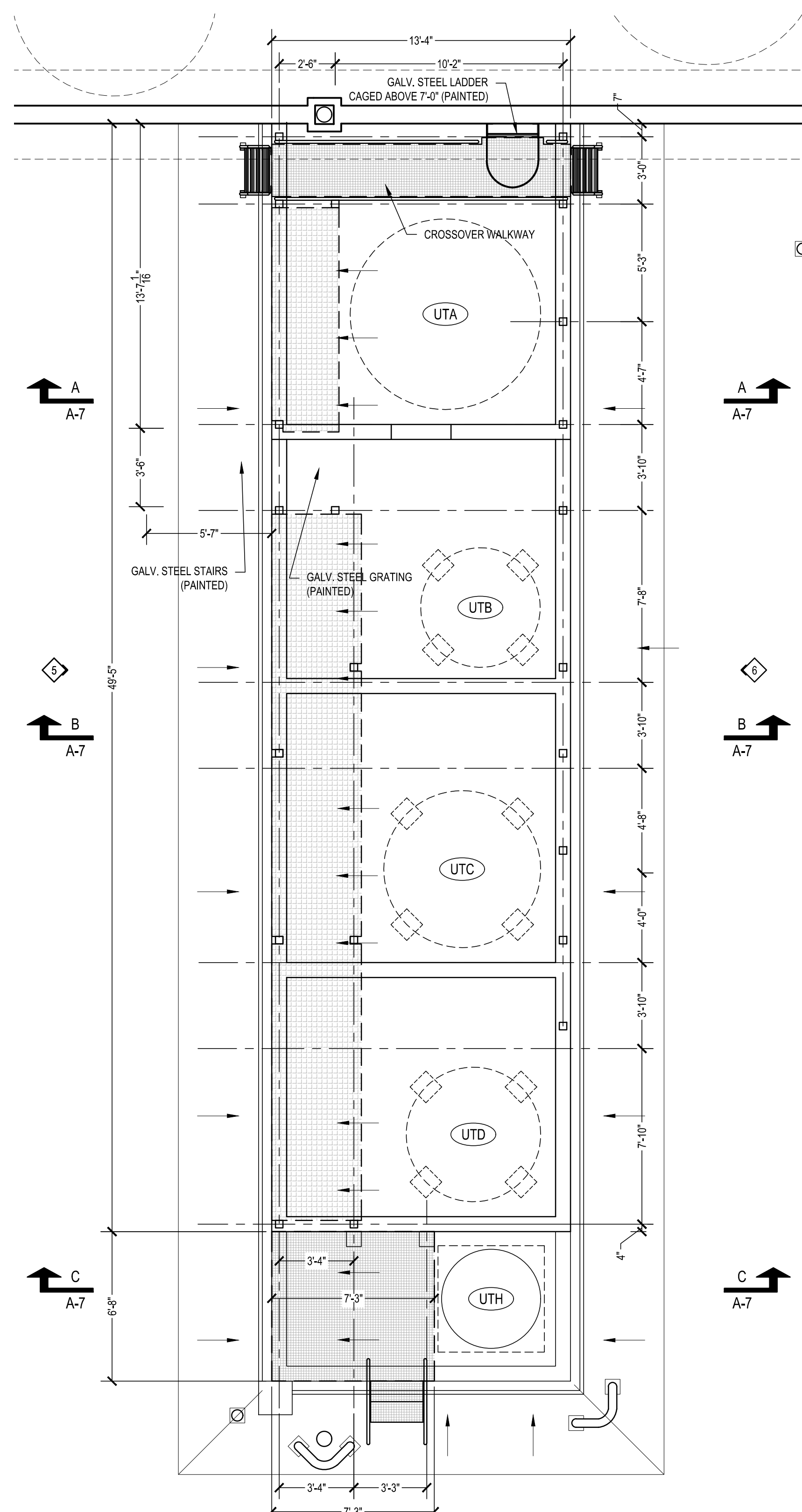


NOTE: ALL RAILING AND WORK PLATFORM STEEL COMPONENTS SHALL BE GALVANIZED AND PAINTED

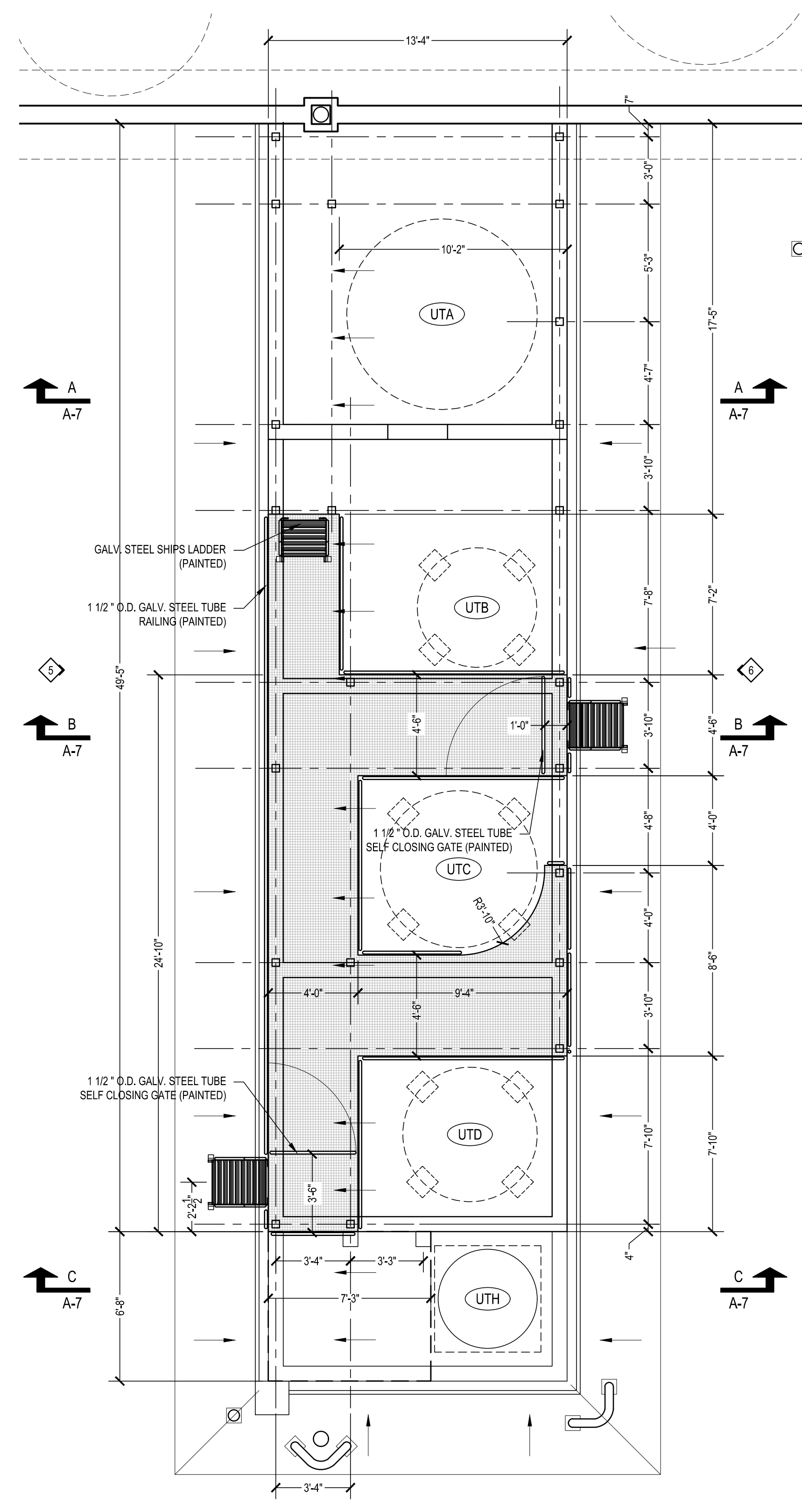
4 GATE DETAIL
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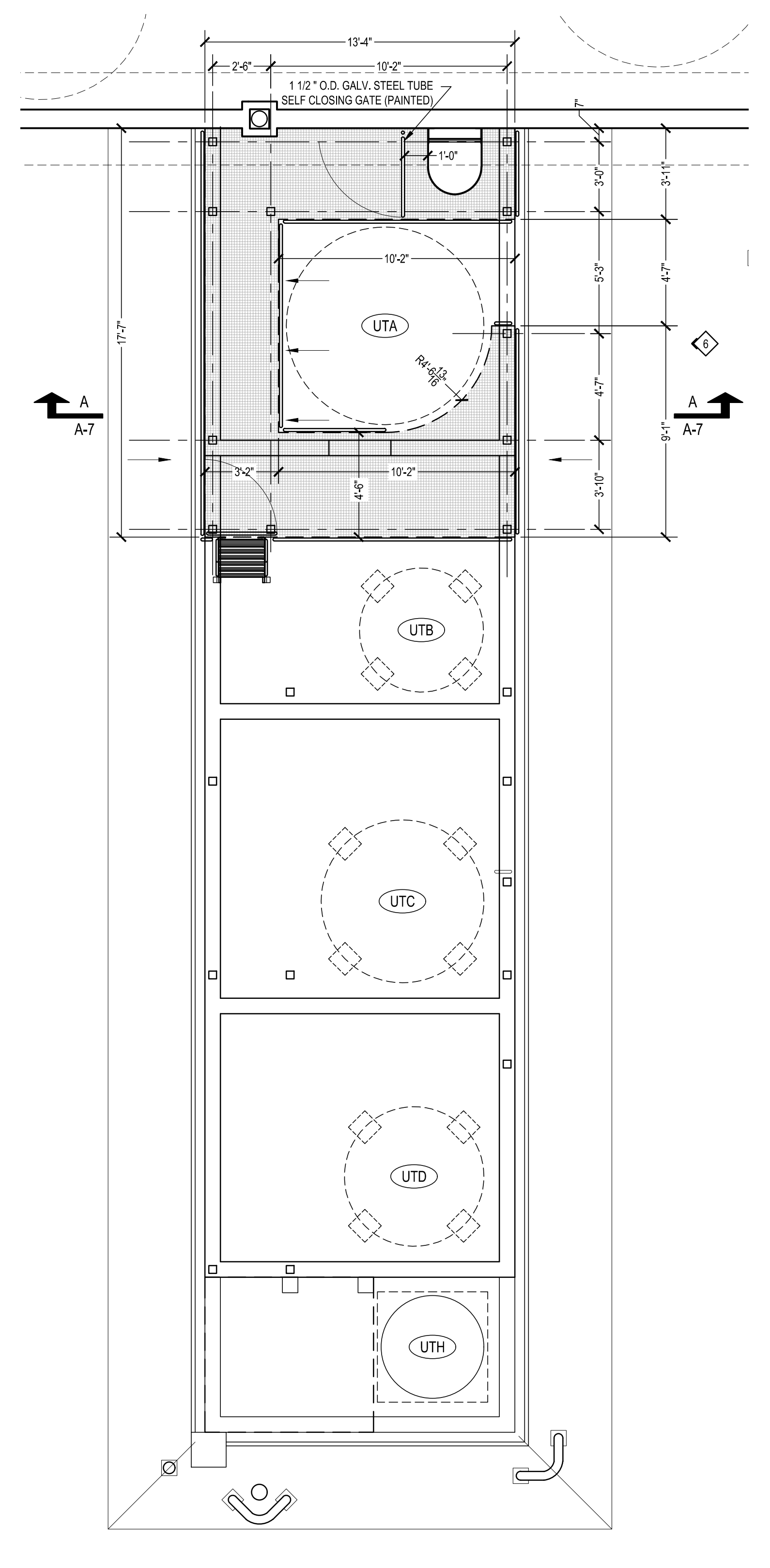
5 LATCH DETAIL
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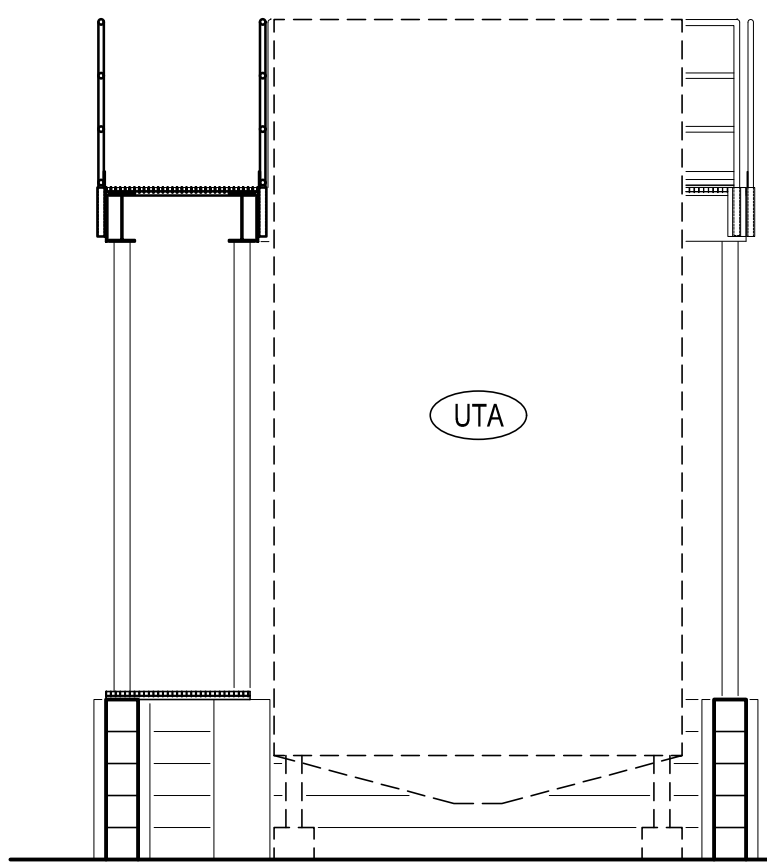
ENLARGED FLOOR PLAN - LOWER WORK PLATFORMS
SCALE: 1/4" = 1'-0"



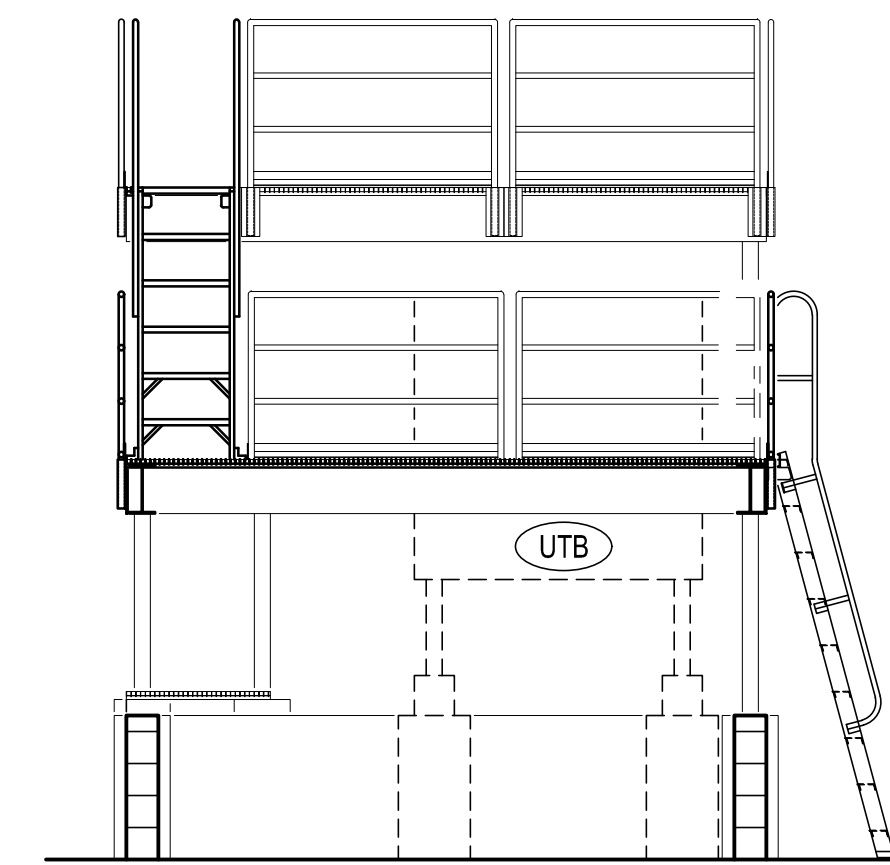
ENLARGED FLOOR PLAN - MID LEVEL WORK PLATFORM
SCALE: 1/4" = 1'-0"



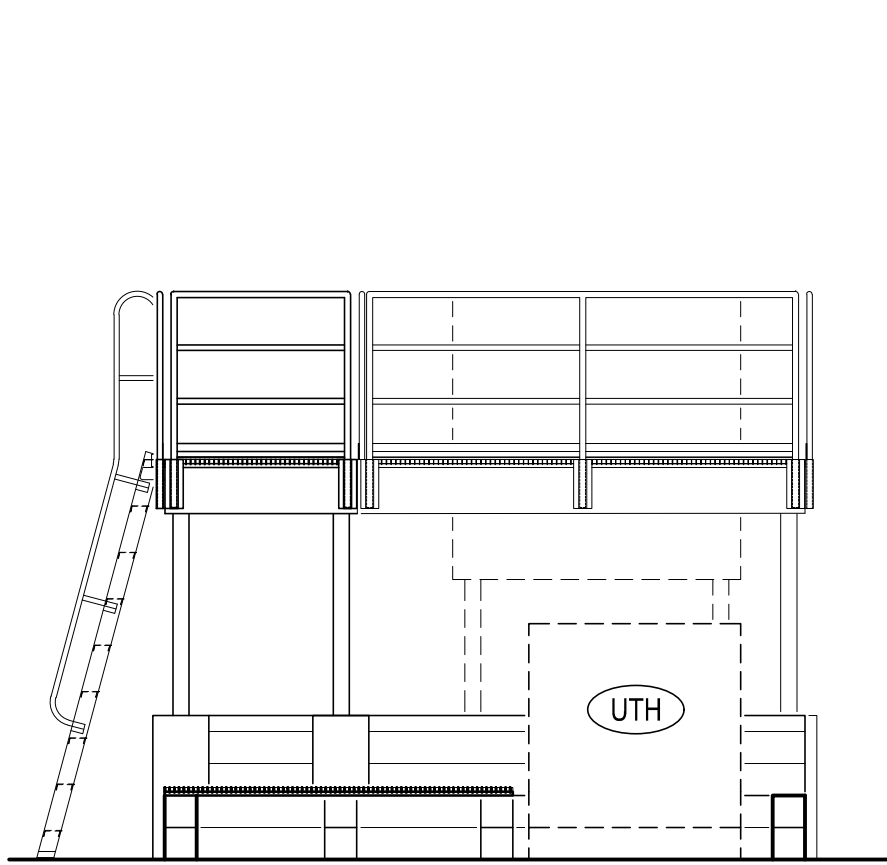
ENLARGED FLOOR PLAN - UPPER WORK PLATFORM
SCALE: 1/4" = 1'-0"



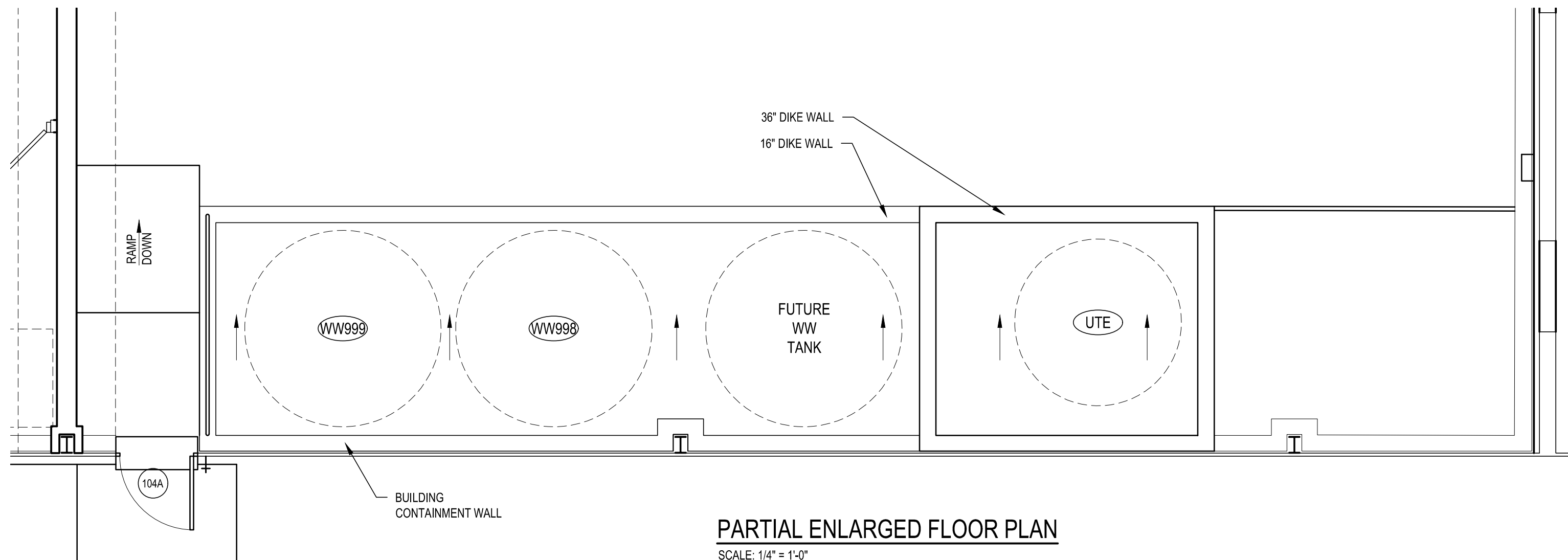
WORK PLATFORM SECTION A-A
SCALE: 1/4" = 1'-0"



WORK PLATFORM SECTION B-B
SCALE: 1/4" = 1'-0"

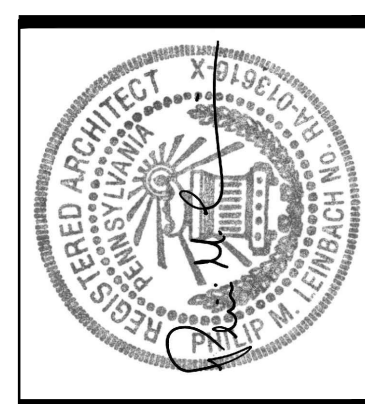


WORK PLATFORM SECTION C-C
SCALE: 1/4" = 1'-0"



PARTIAL ENLARGED FLOOR PLAN
SCALE: 1/4" = 1'-0"

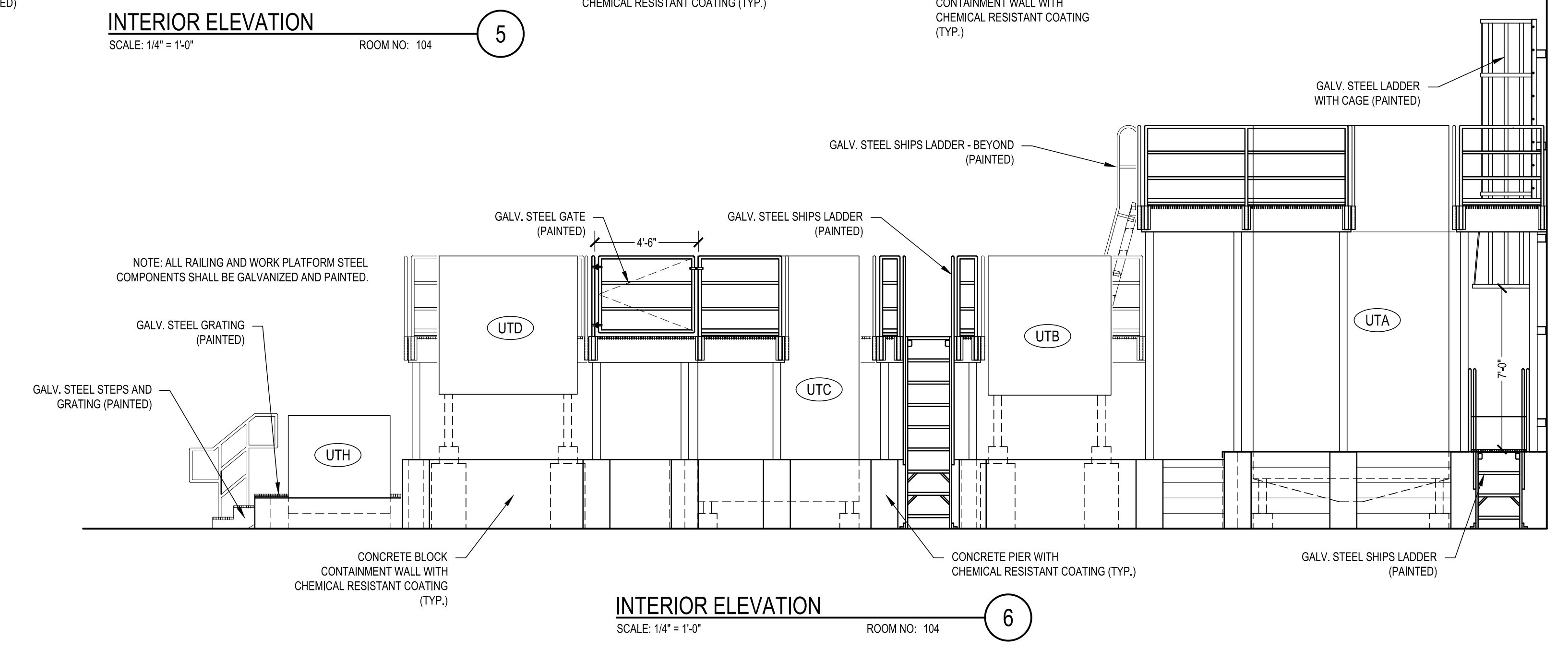
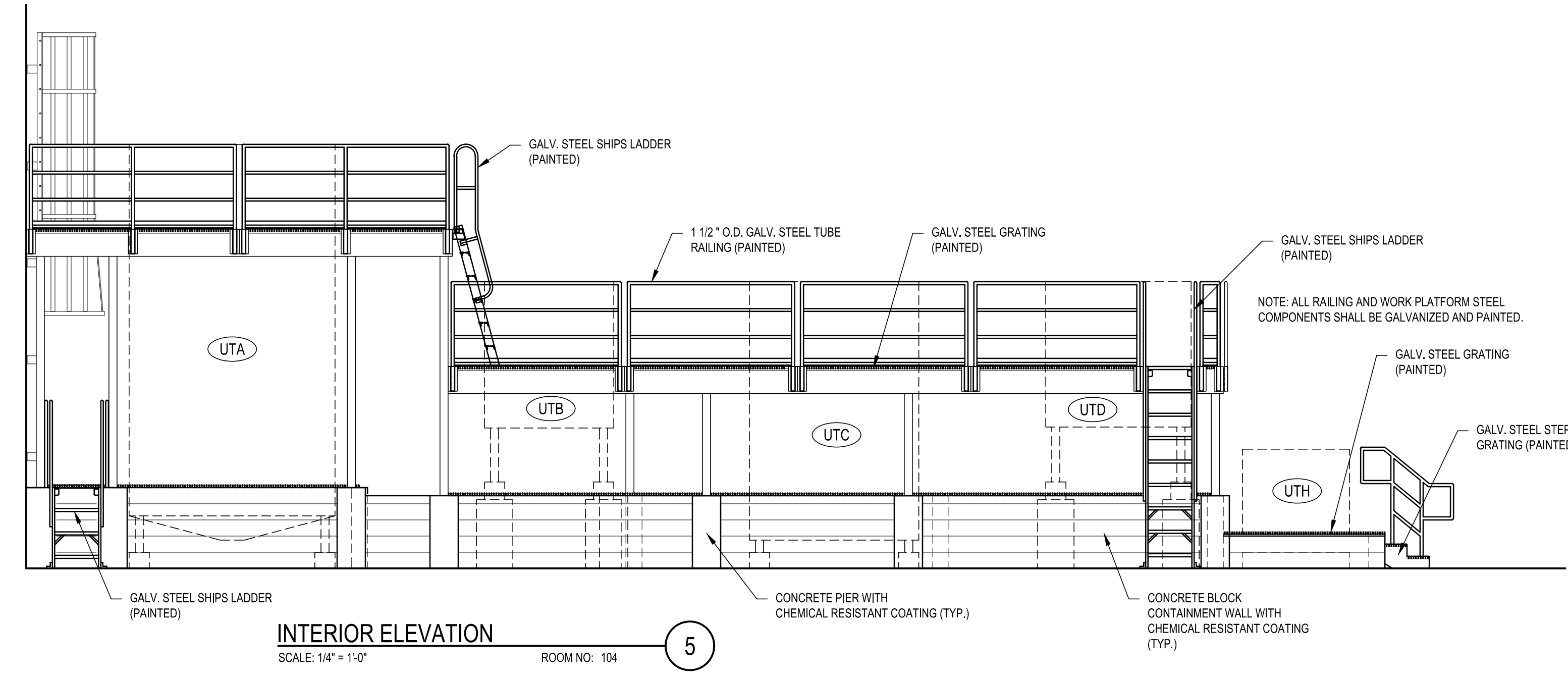
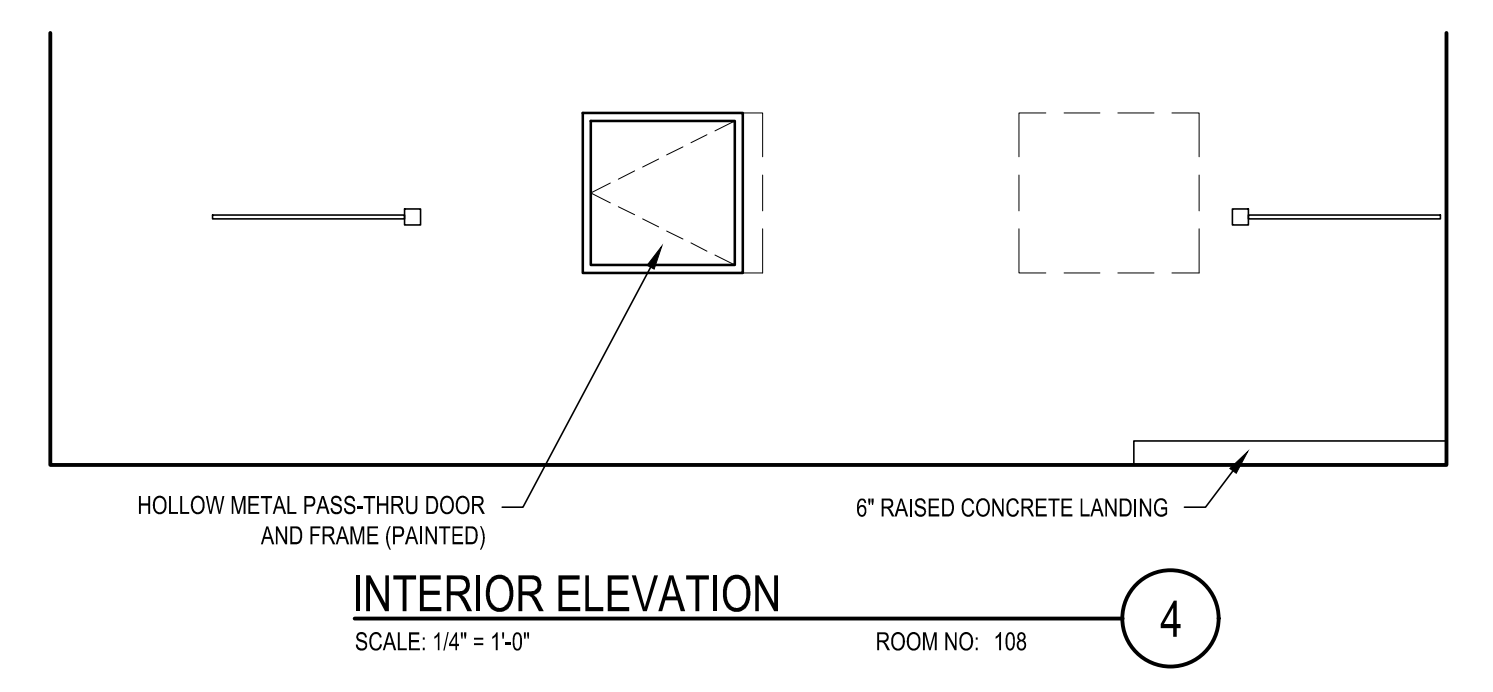
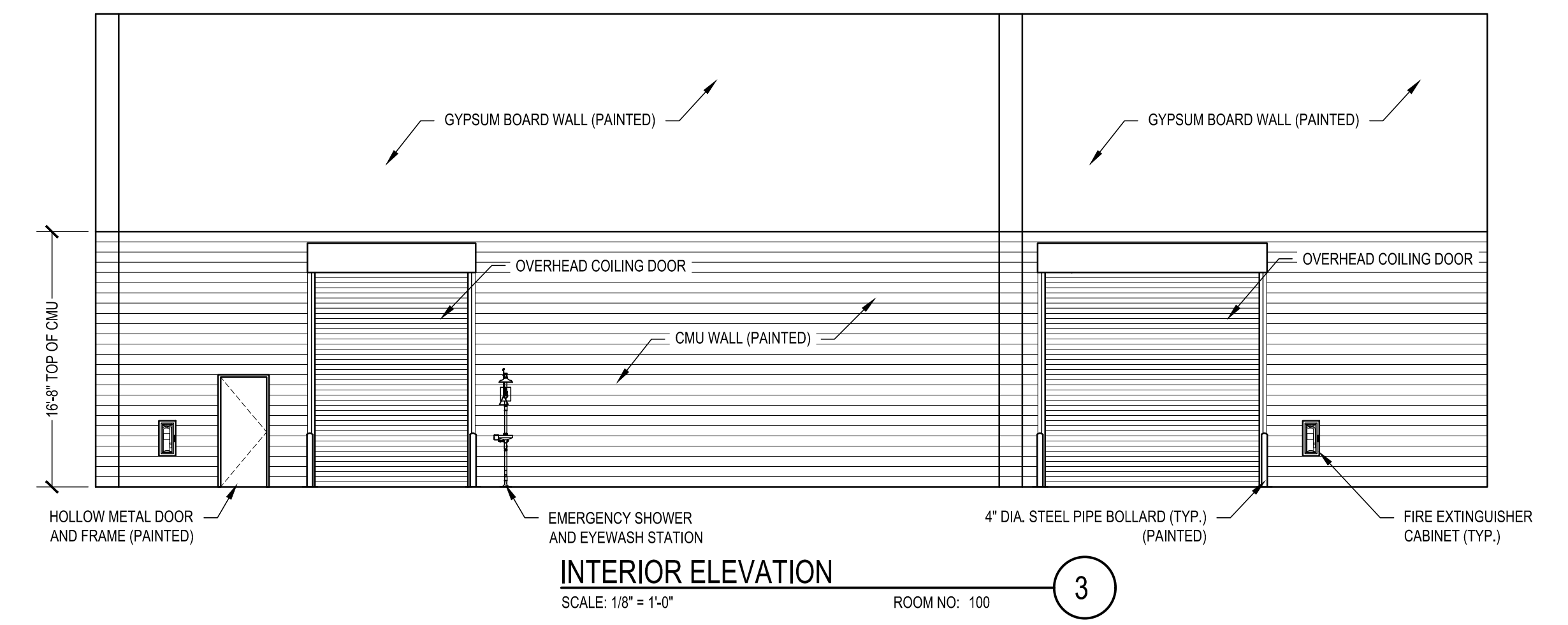
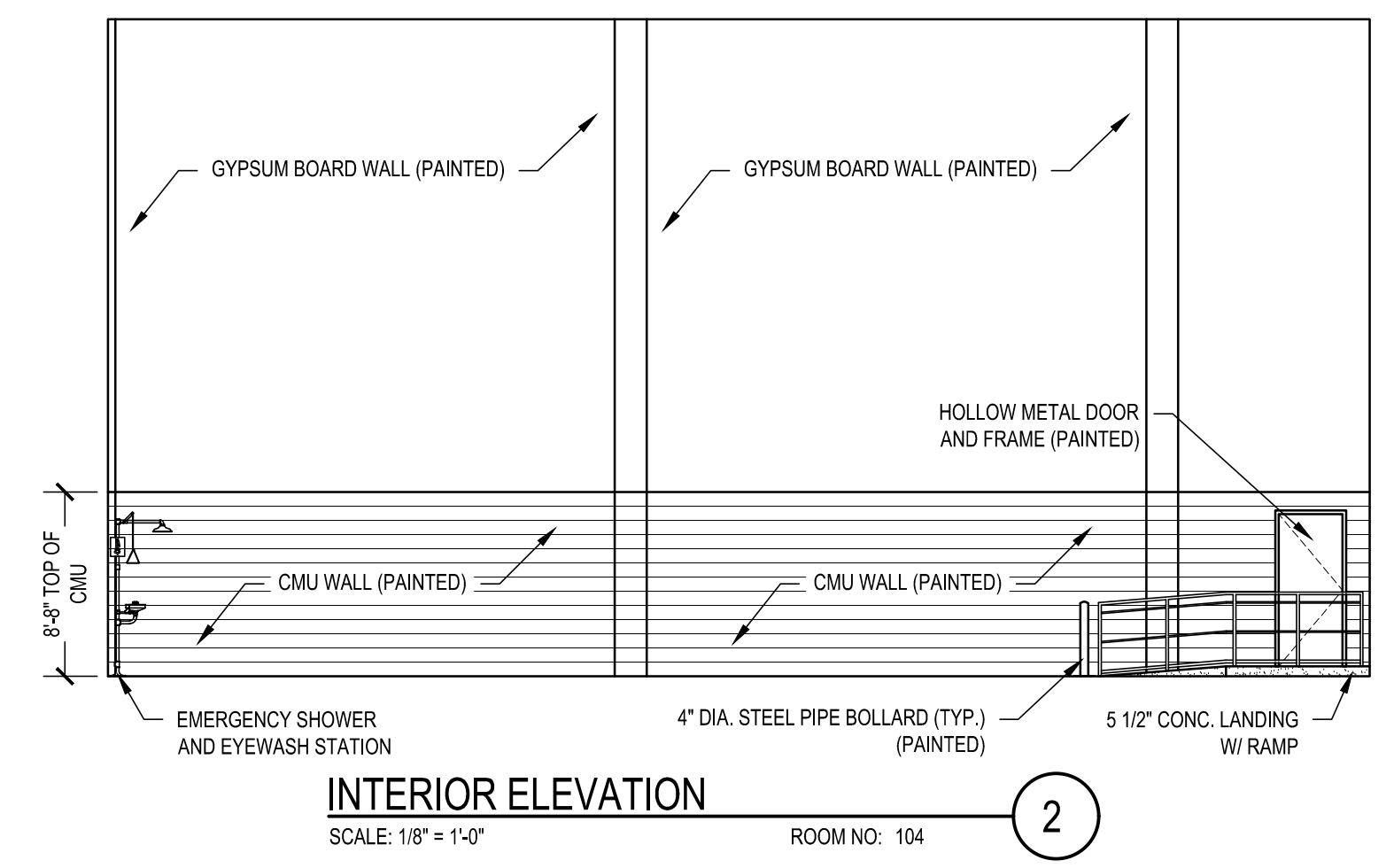
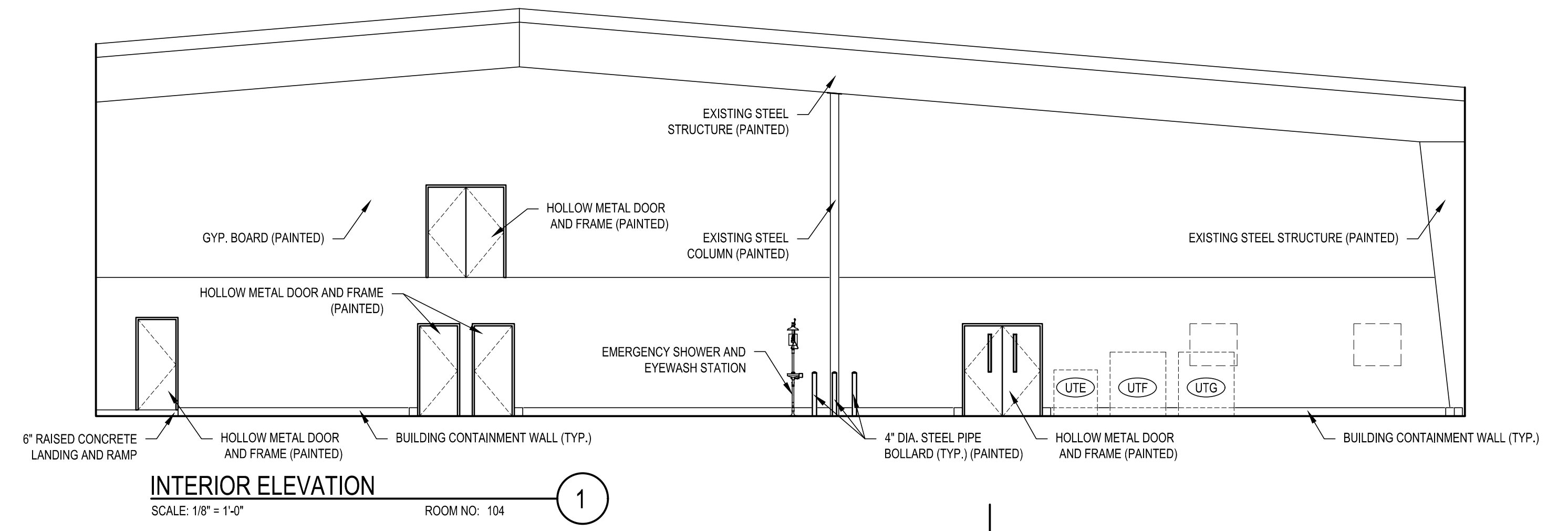
| REVISIONS | DATE | DESCRIPTION |
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1/4" ENLARGED PLANS AND DETAILS - WORK PLATFORMS
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR
BULK CHEMICALS
72 FEICK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

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DATE: 08.30.2021



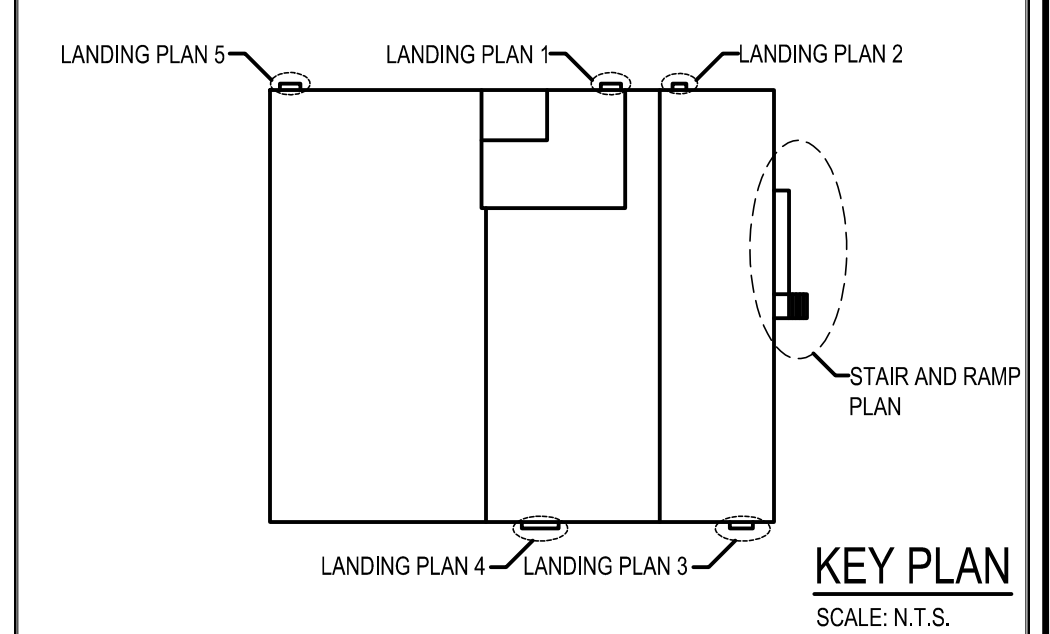
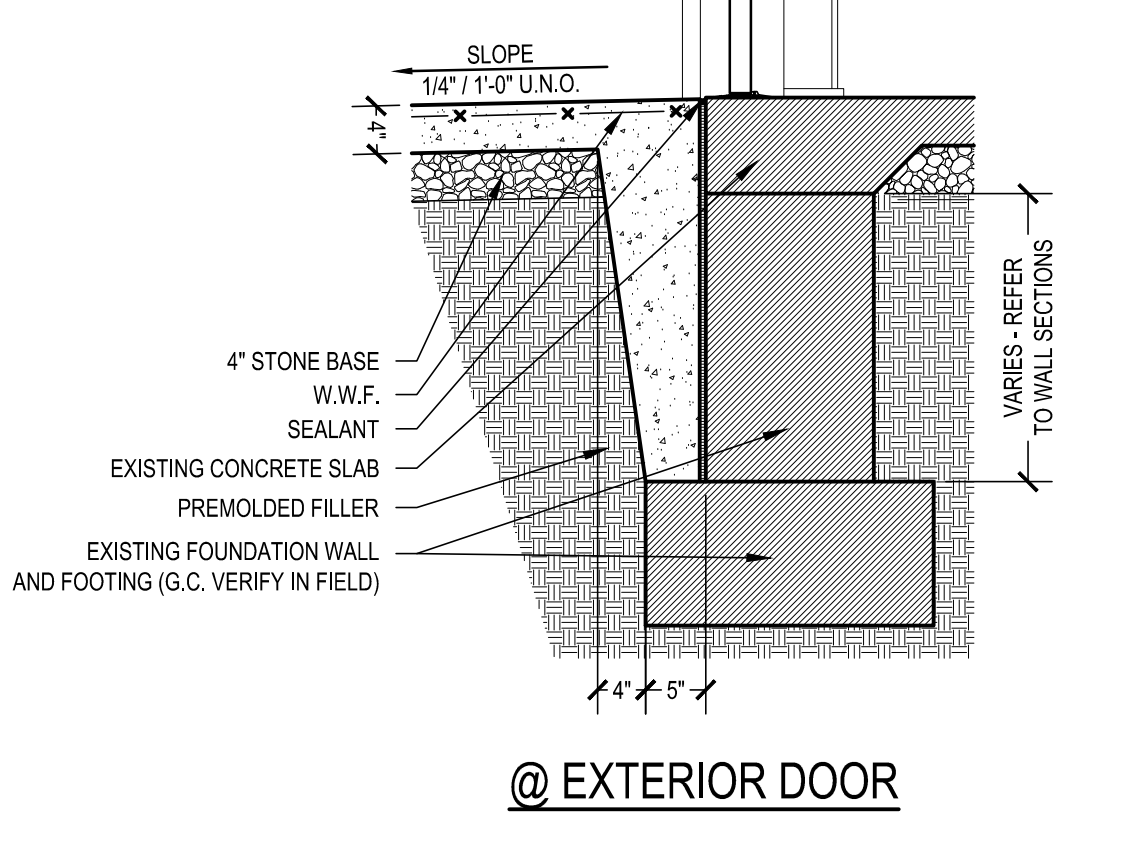
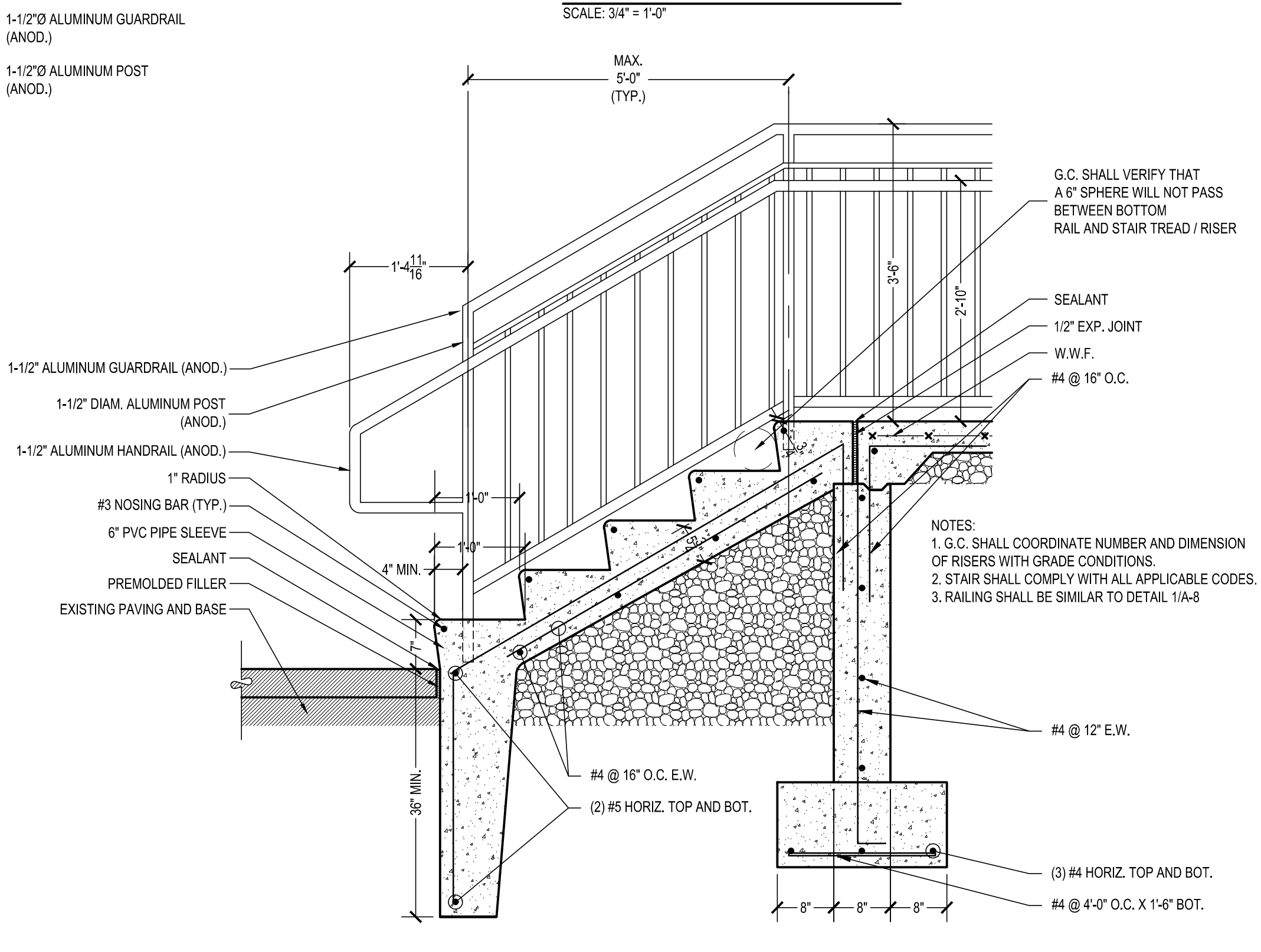
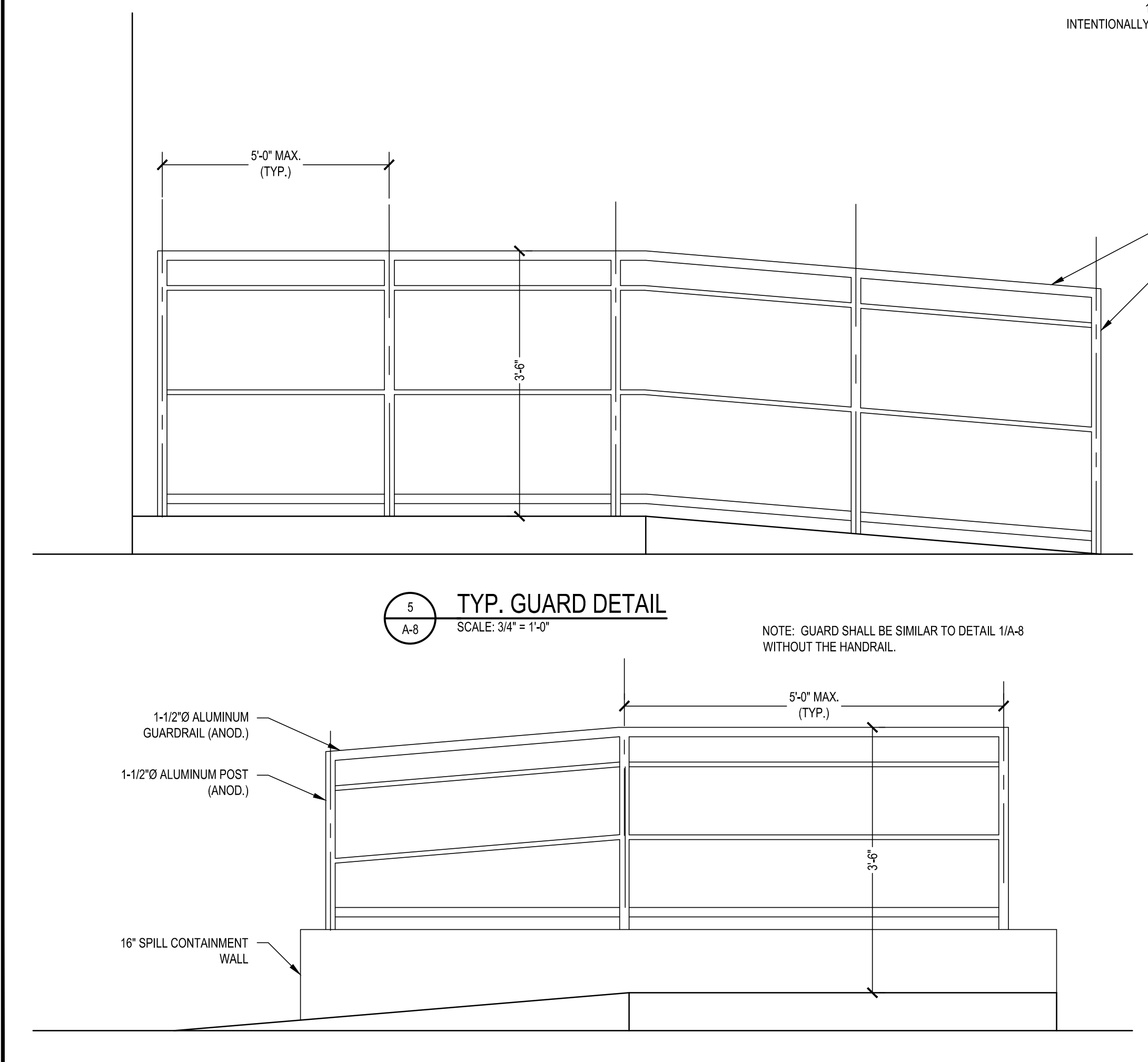
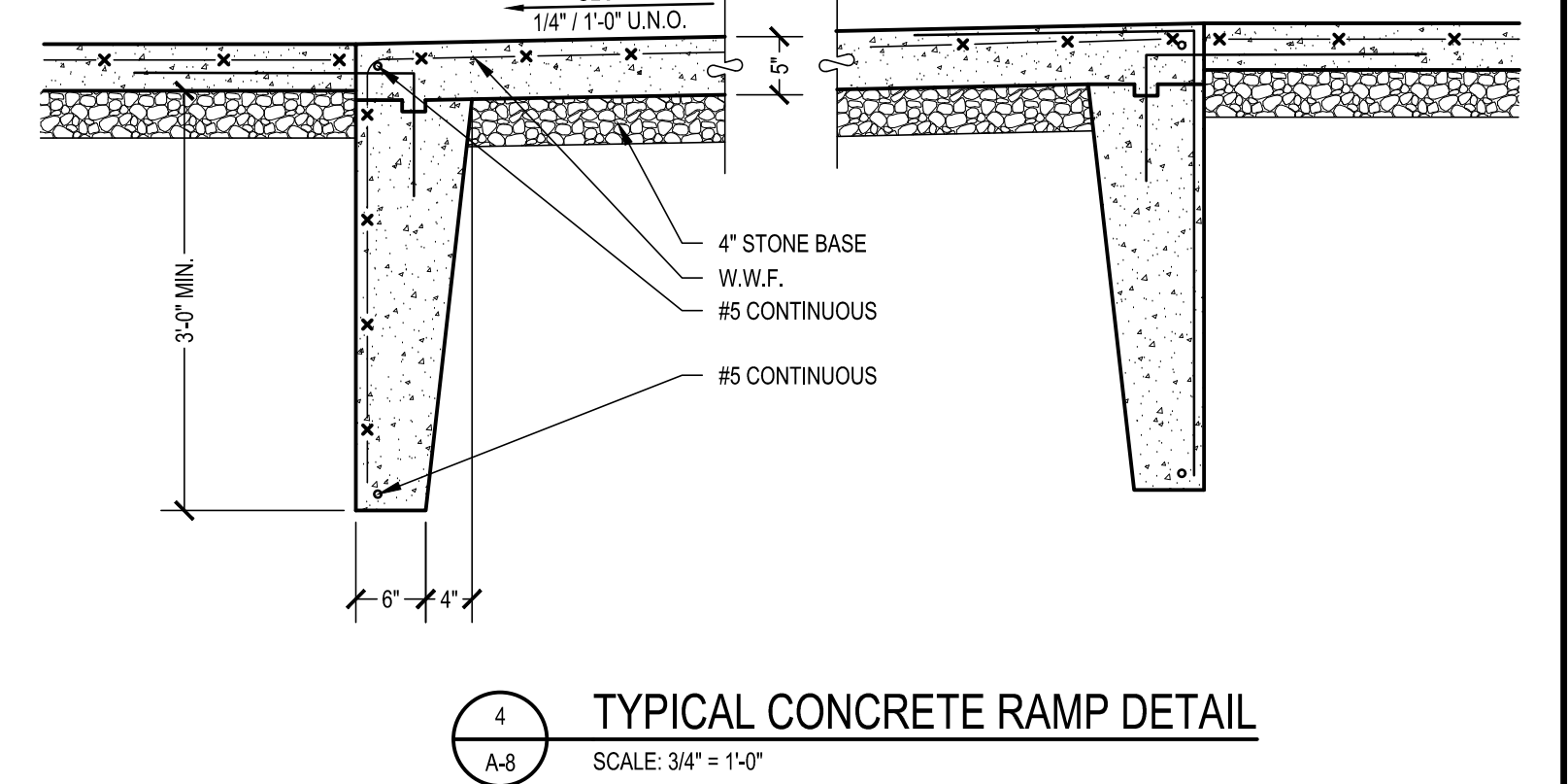
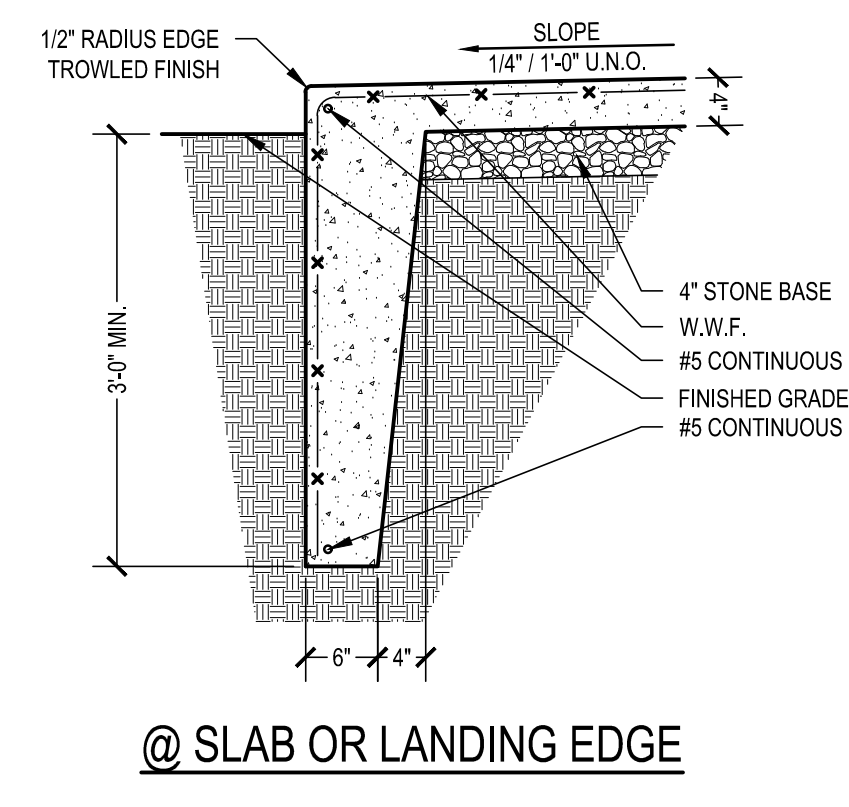
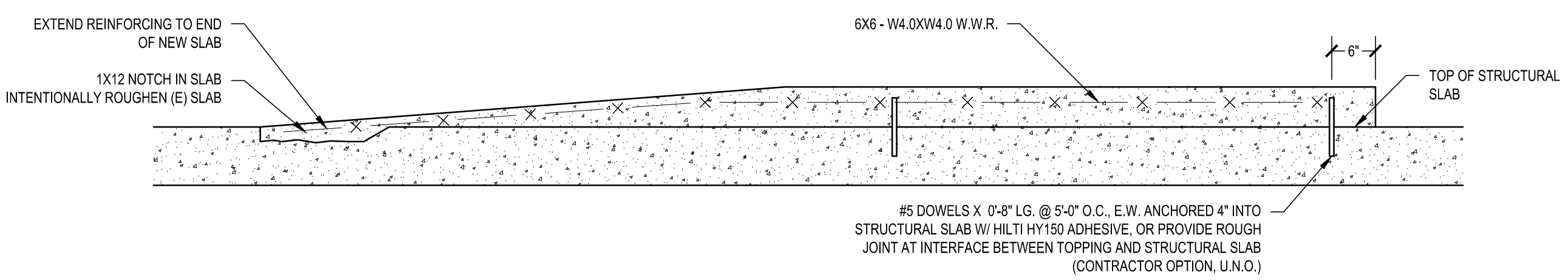
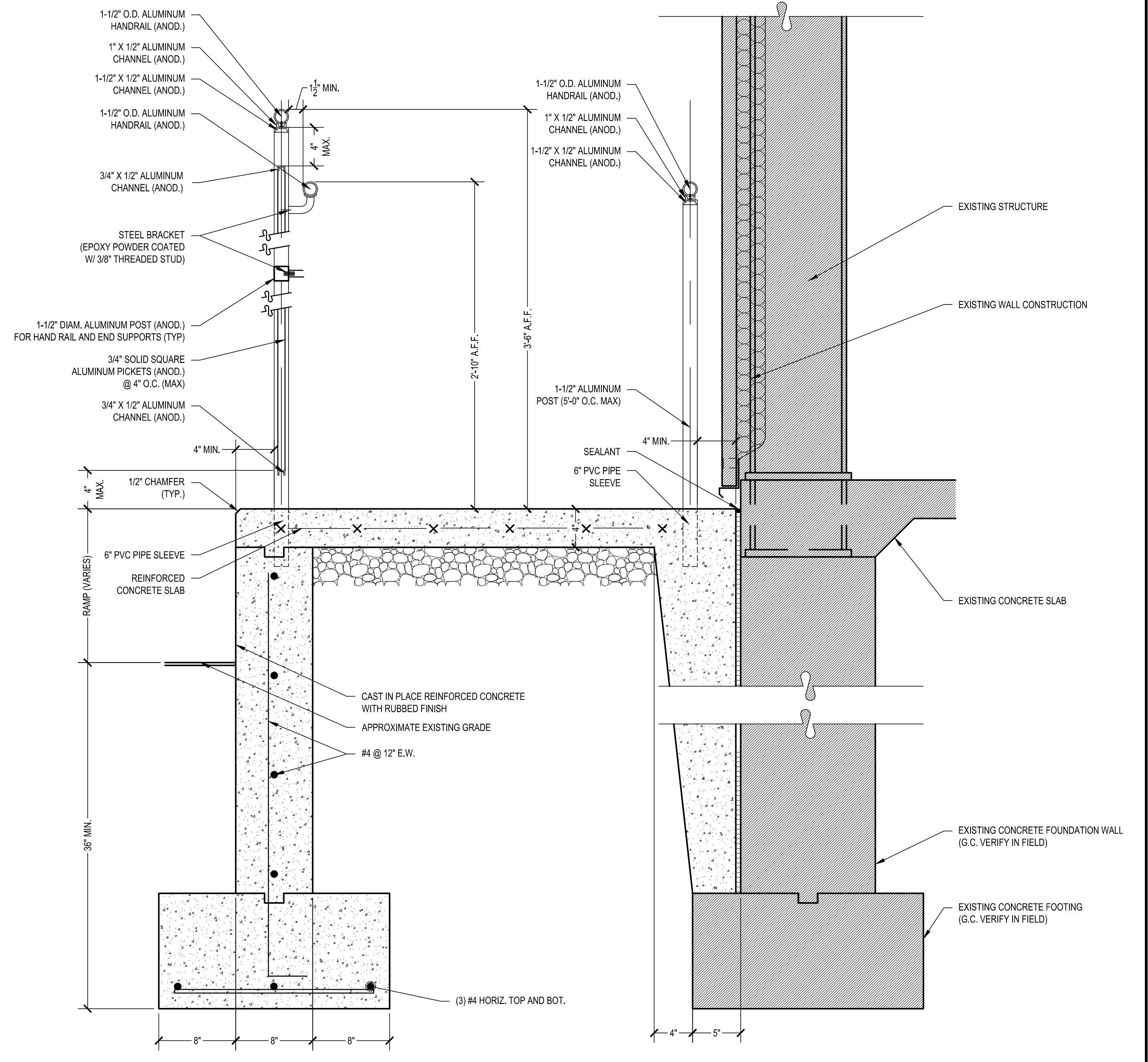
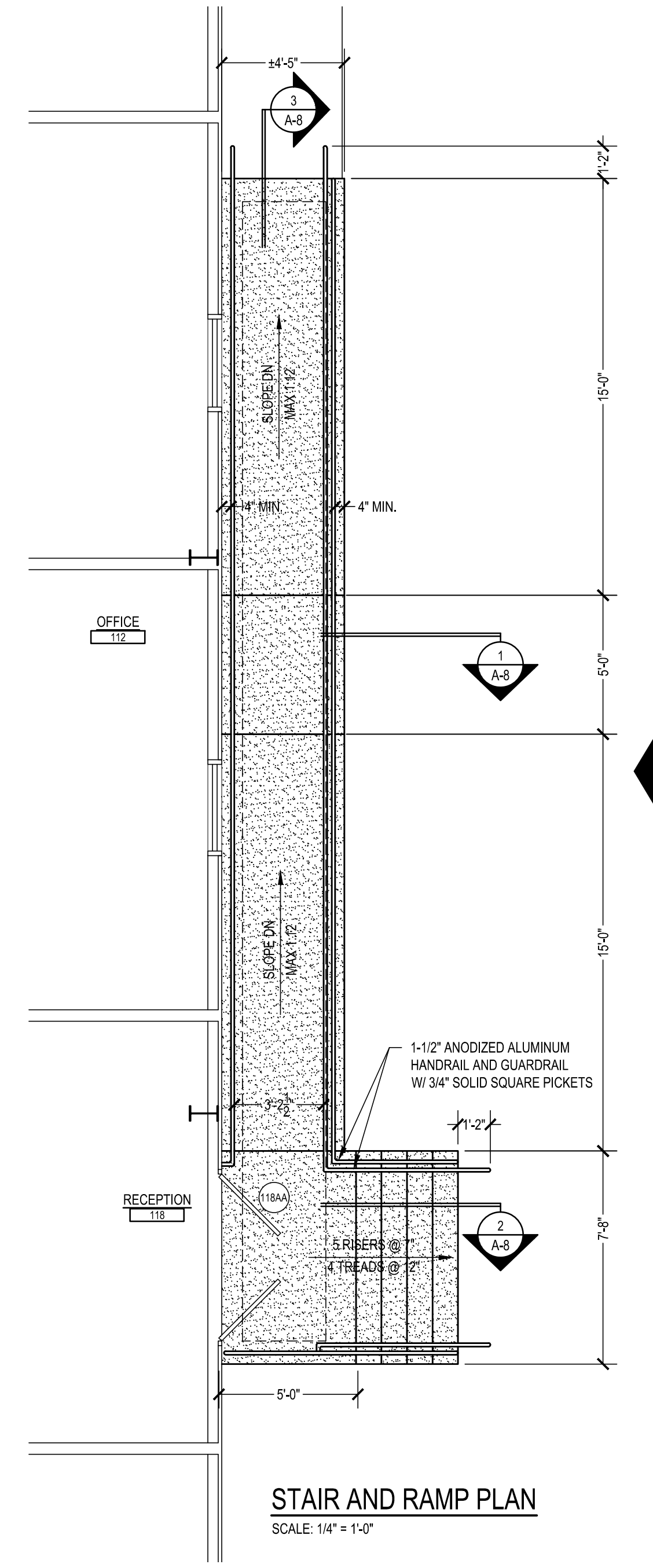
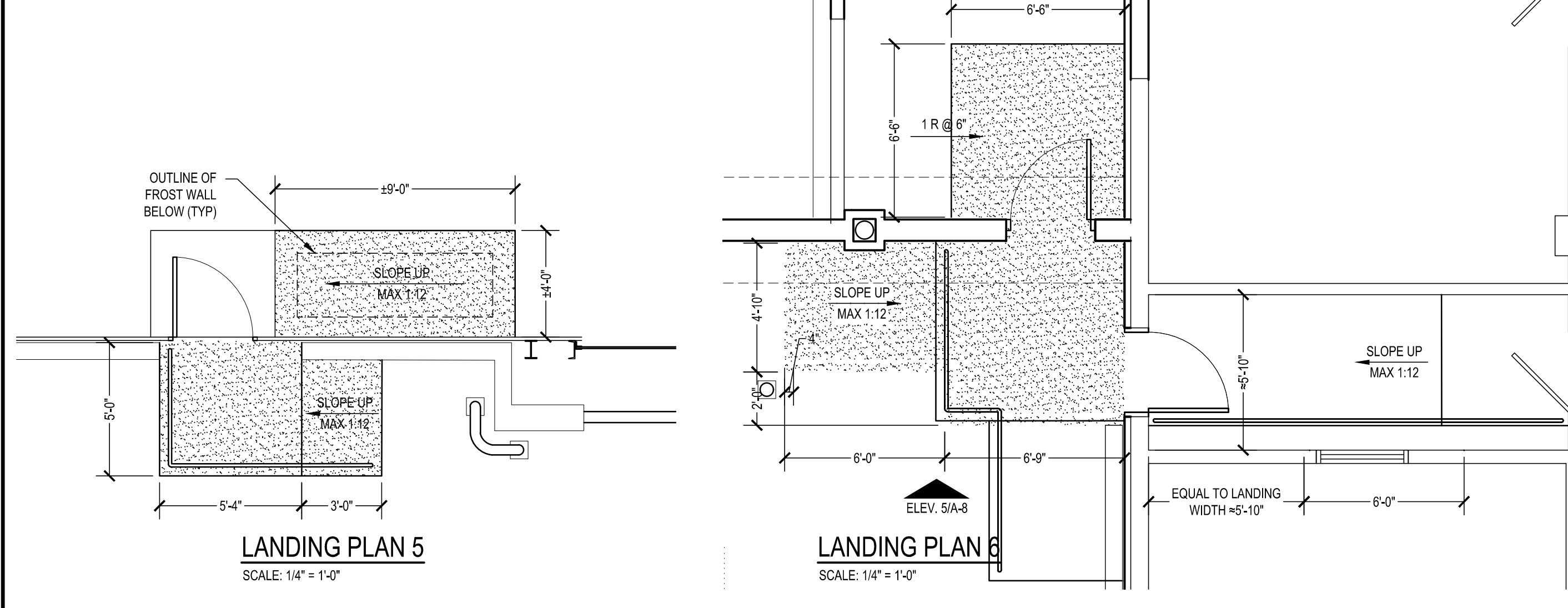
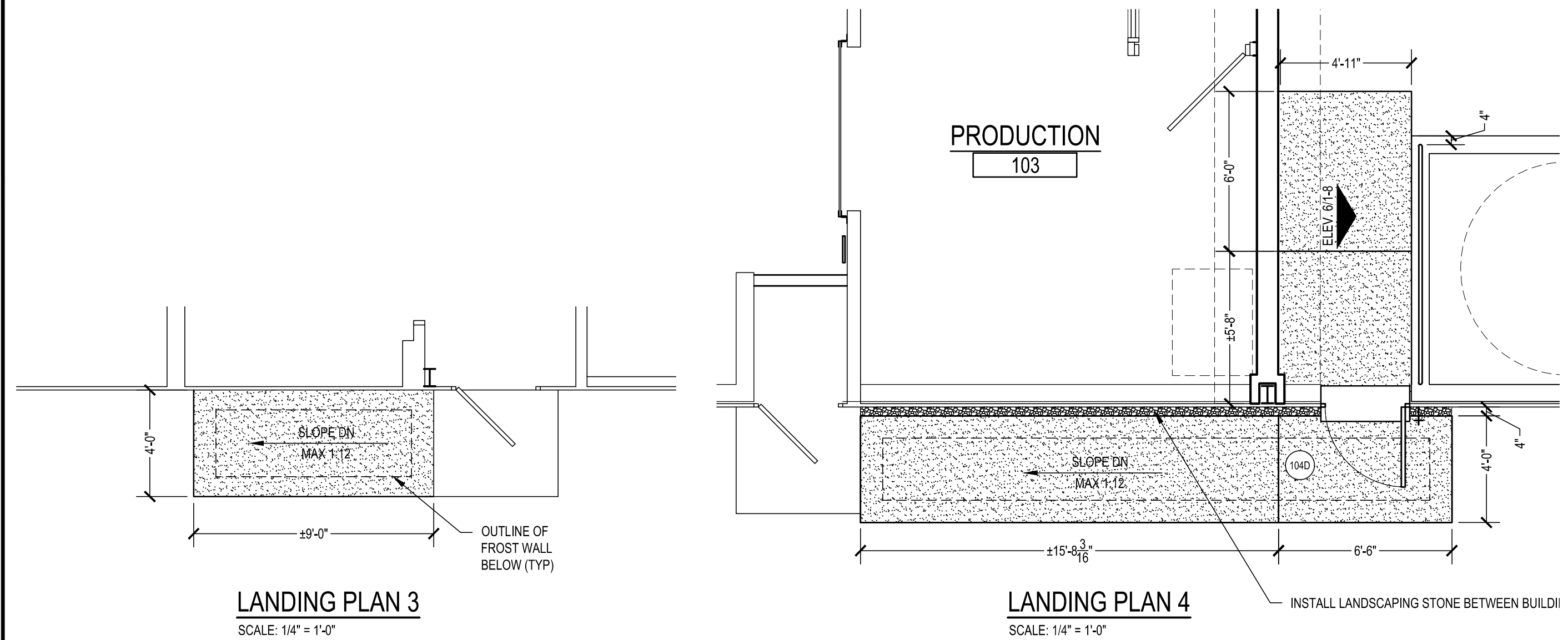
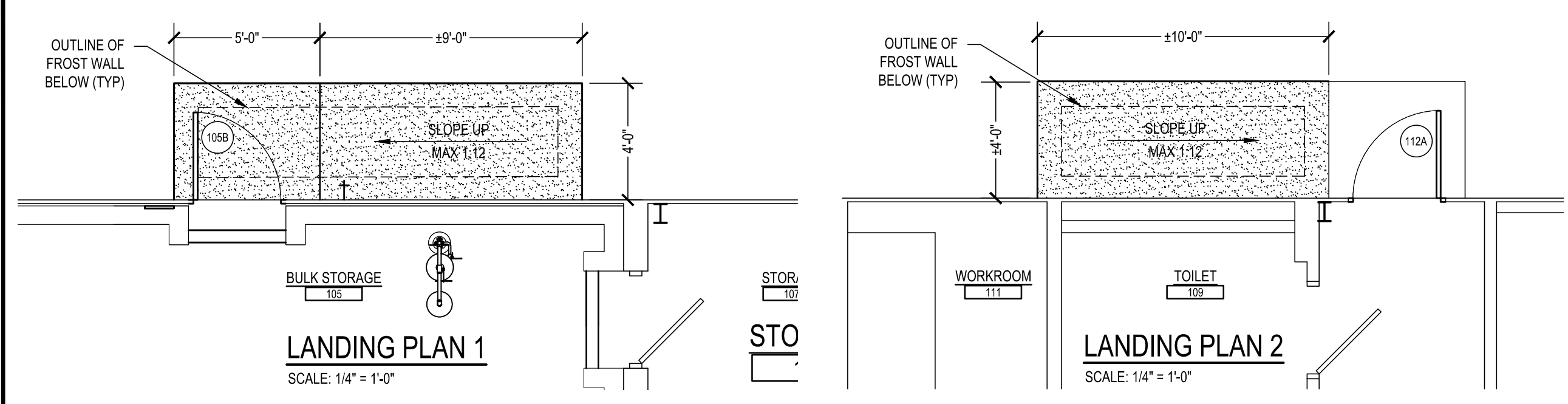
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INTERIOR ELEVATIONS
 PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR
BULK CHEMICALS
 72 FELCK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

ALL DIMENSIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR AT THE SITE.
 JOB NO.: 20003.00
 DRAWN BY: JDX, TCW
 DATE: 08.30.2021



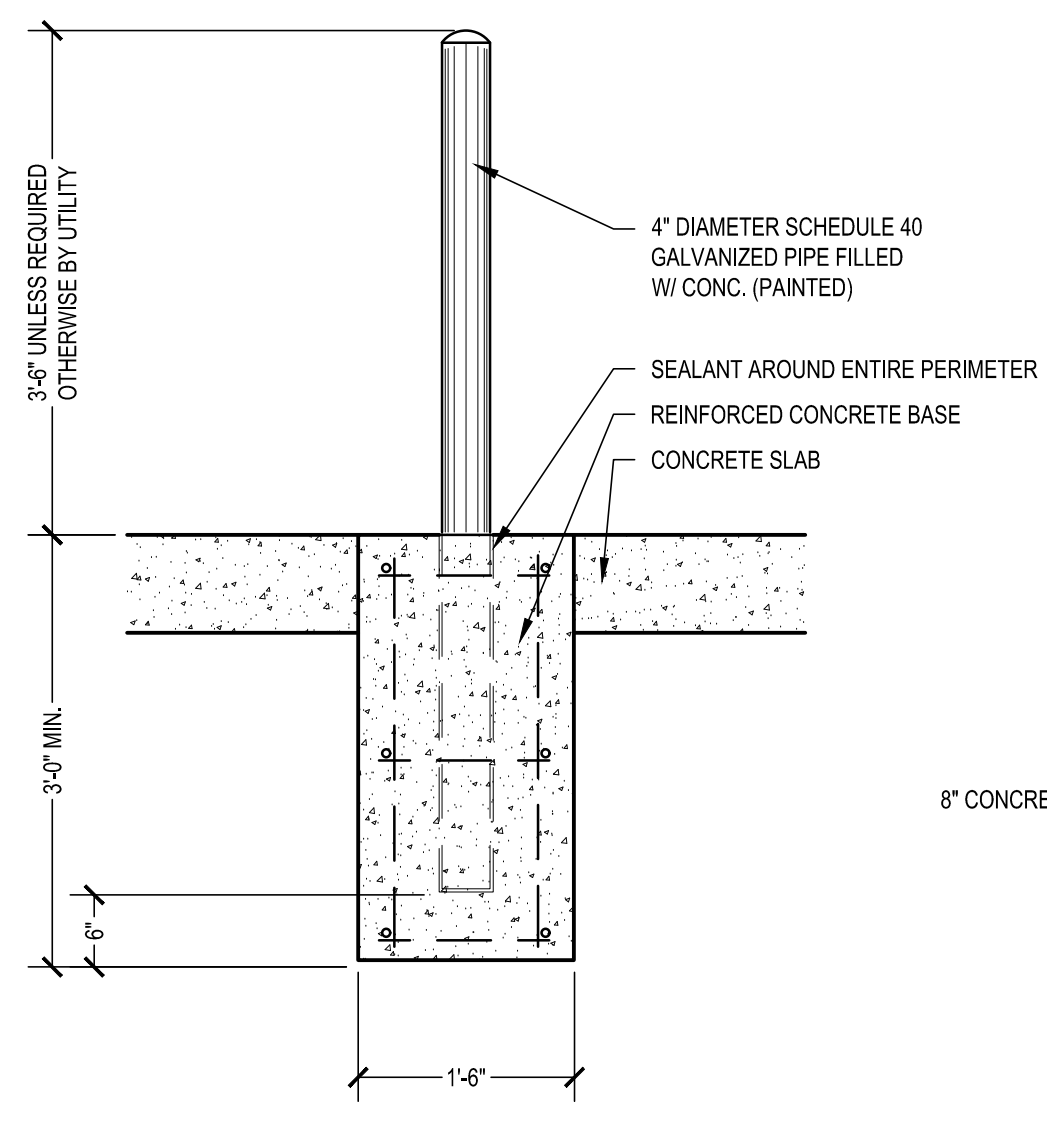
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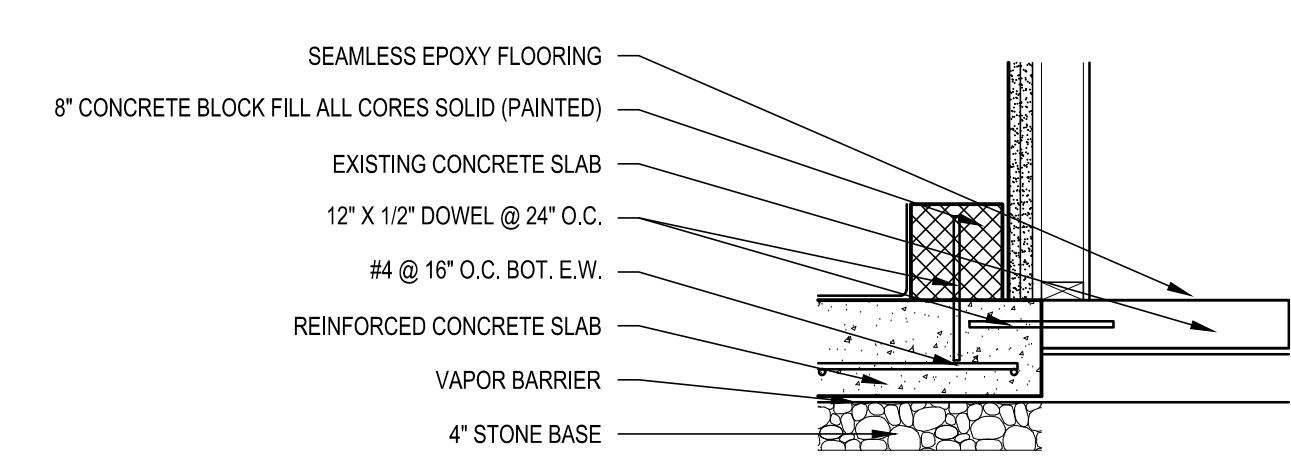
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1/4" ENLARGED PLANS AND DETAILS - STAIRS AND RAMPS
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR
BULK CHEMICALS
72 FELICK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

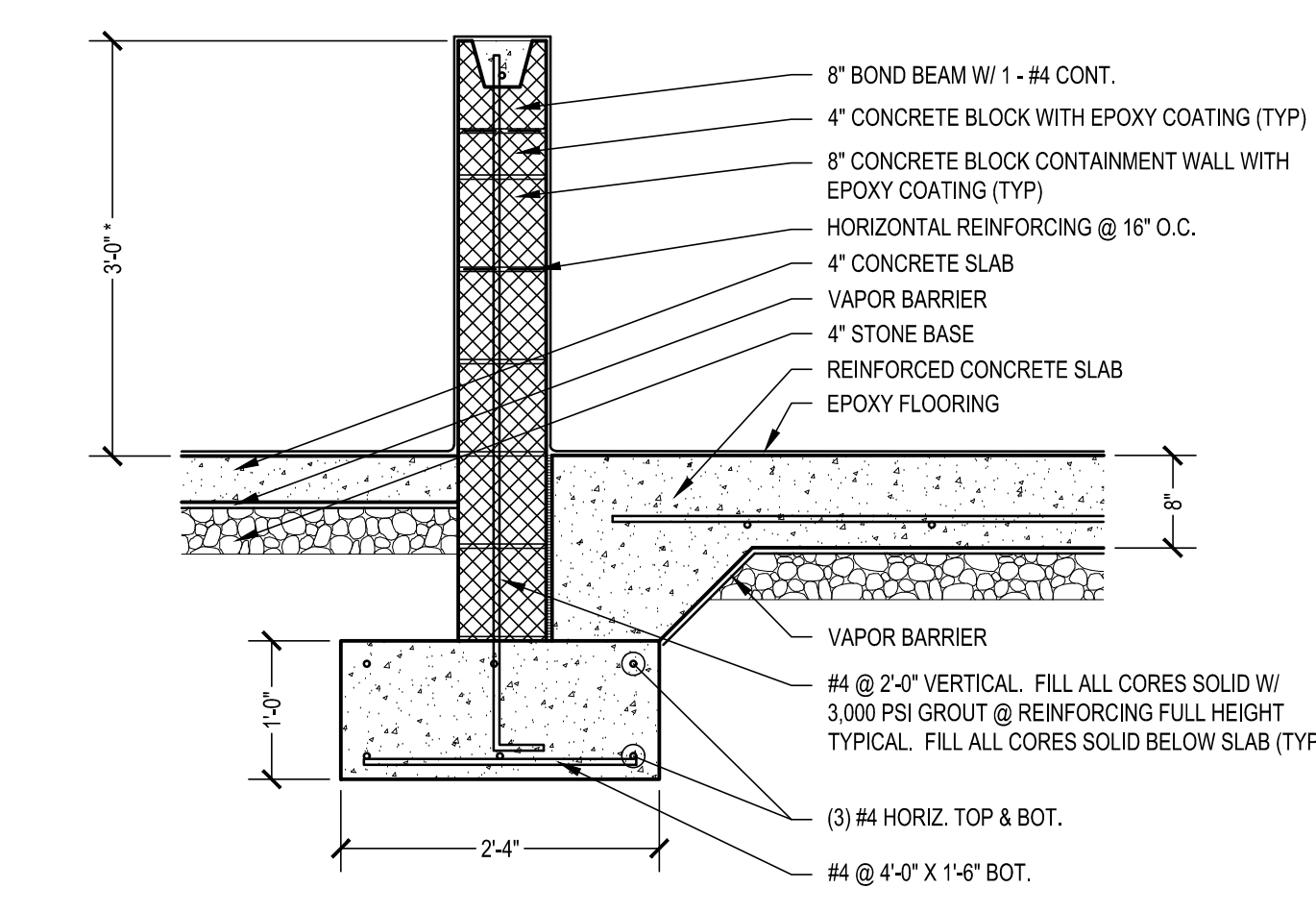
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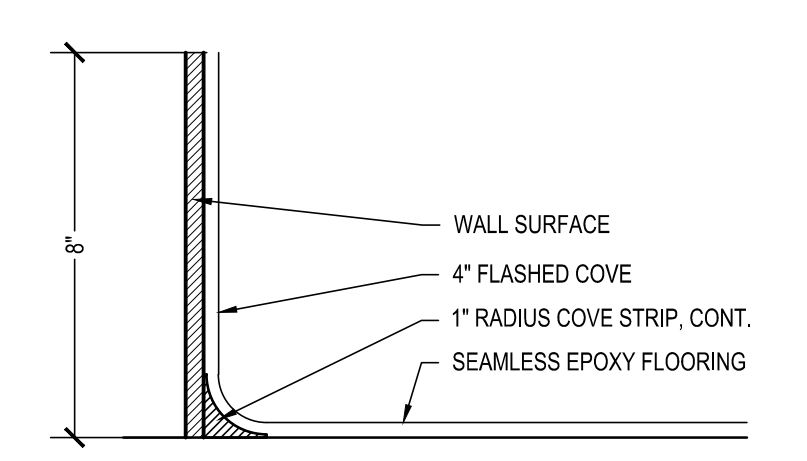
2 TYPICAL PIPE BOLLARD DETAIL
SCALE: 3/4" = 1'-0"



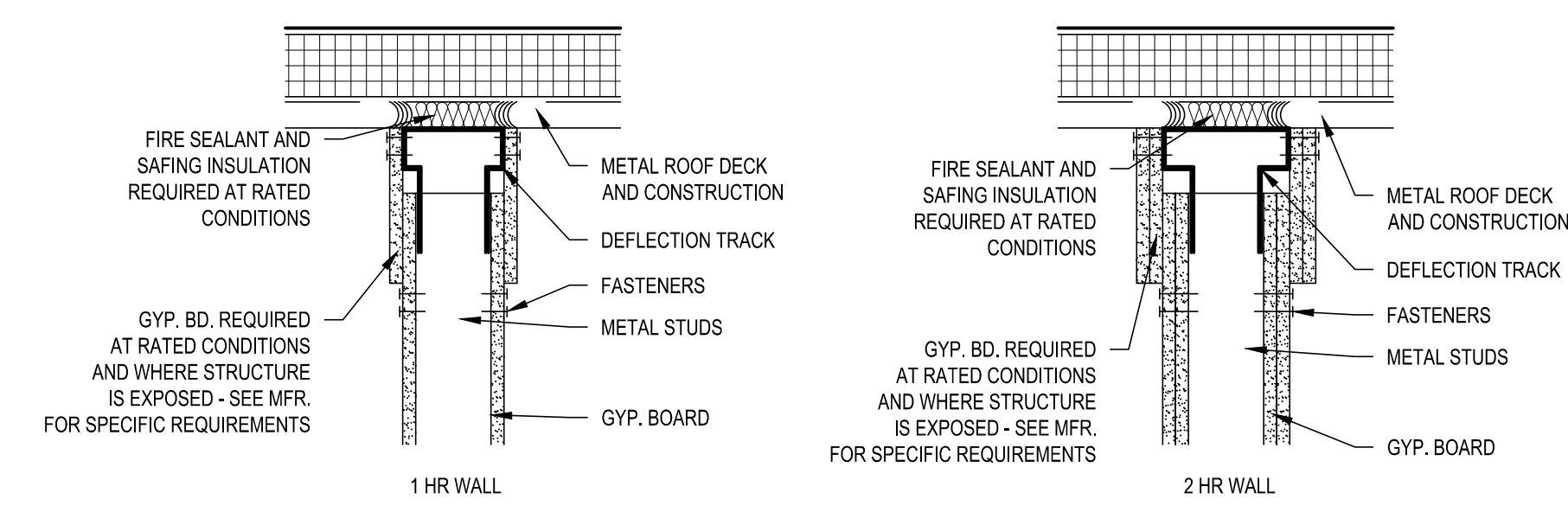
3 CONTAINMENT WALL DETAIL @ GYP. WALL
SCALE: 3/4" = 1'-0"



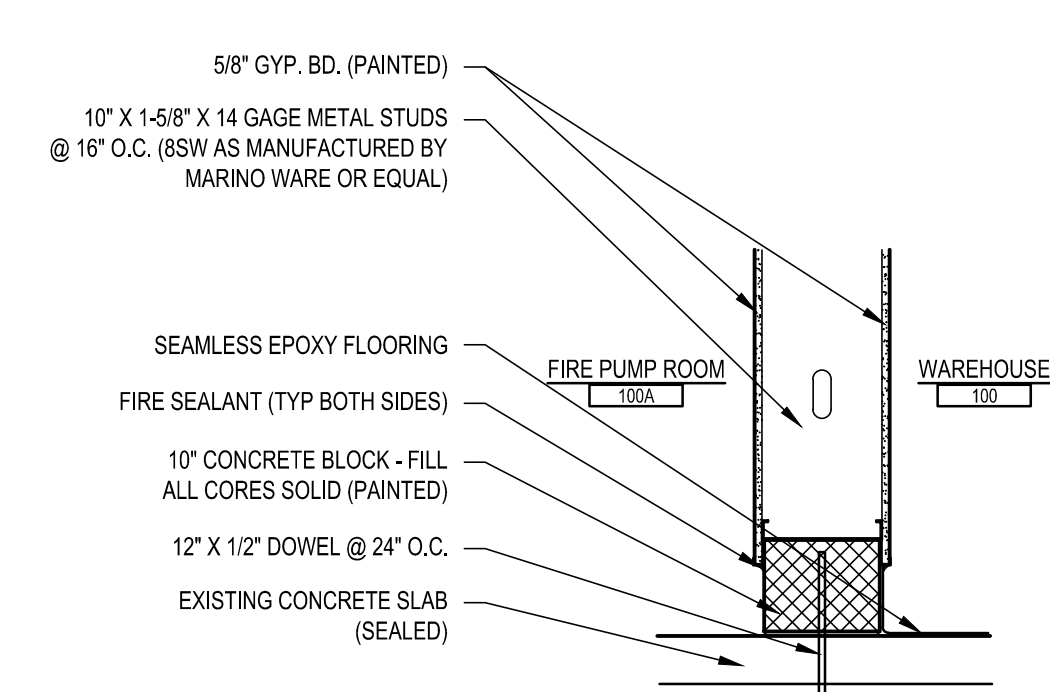
4 CONTAINMENT WALL DETAIL
SCALE: 3/4" = 1'-0"



6 TYP. FLASHED COVE DETAIL
SCALE: 3/4" = 1'-0"

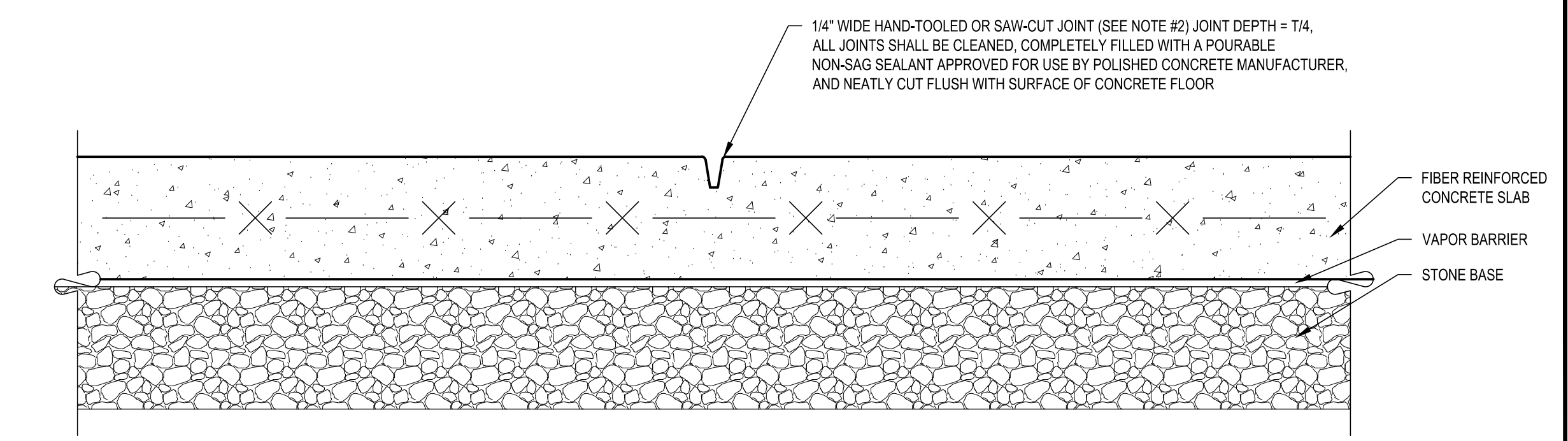


7 TYPICAL FIRE RATED GYPSUM BOARD / METAL STUD DEFLECTION TRACK DETAIL
SCALE: 1-1/2" = 1'-0"



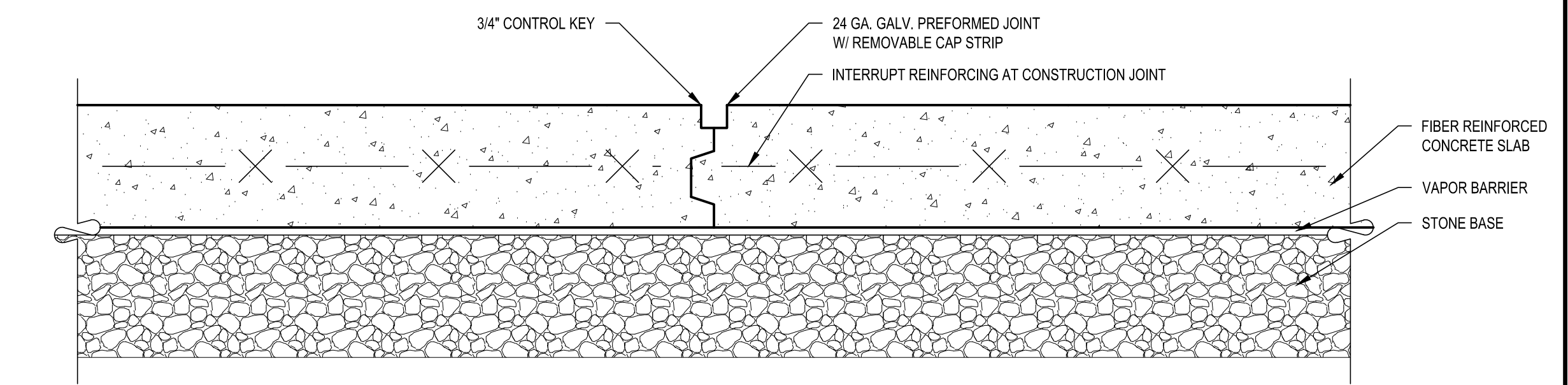
8A BASE OF WALL DETAIL @ FIRE PUMP ROOM
SCALE: 3/4" = 1'-0"

8B OMITTED
SCALE: 3/4" = 1'-0"

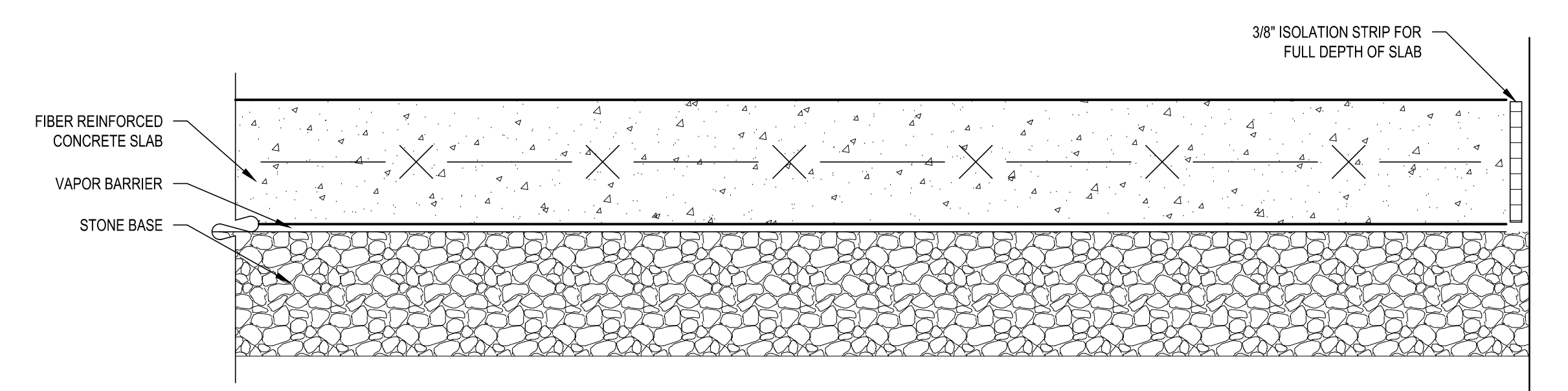


5A SLAB ON GRADE CRACK CONTROL DETAIL
SCALE: 3/4" = 1'-0"

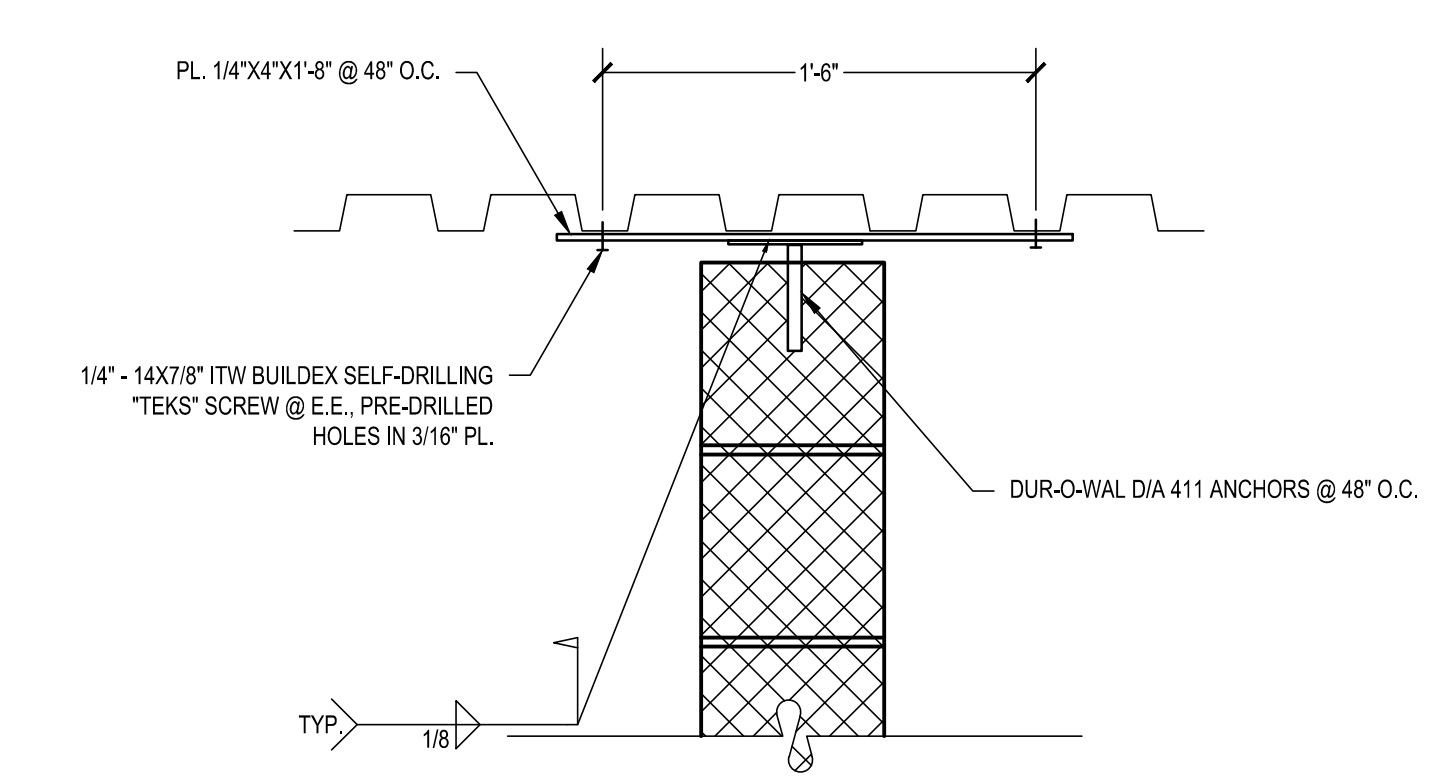
- NOTES:
- CONTRACTION JOINTS SHALL BE INSTALLED EITHER BY HAND TOOLING, OR BY SAW-CUTTING USING A "SOFF-CUT" ULTRA EARLY ENTRY DRY-CUT SAW OR AN APPROVED EQUAL. JOINTS SHALL BE INSTALLED IMMEDIATELY WITHIN 12 HOURS OF POUR.
 - REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR JOINT SEALANT REQUIREMENTS (IF ANY).
 - REFER TO SPECIFICATIONS AND TO GEOTECHNICAL REPORT FOR REQUIREMENTS FOR SUBGRADE PREPARATION REQUIREMENTS.



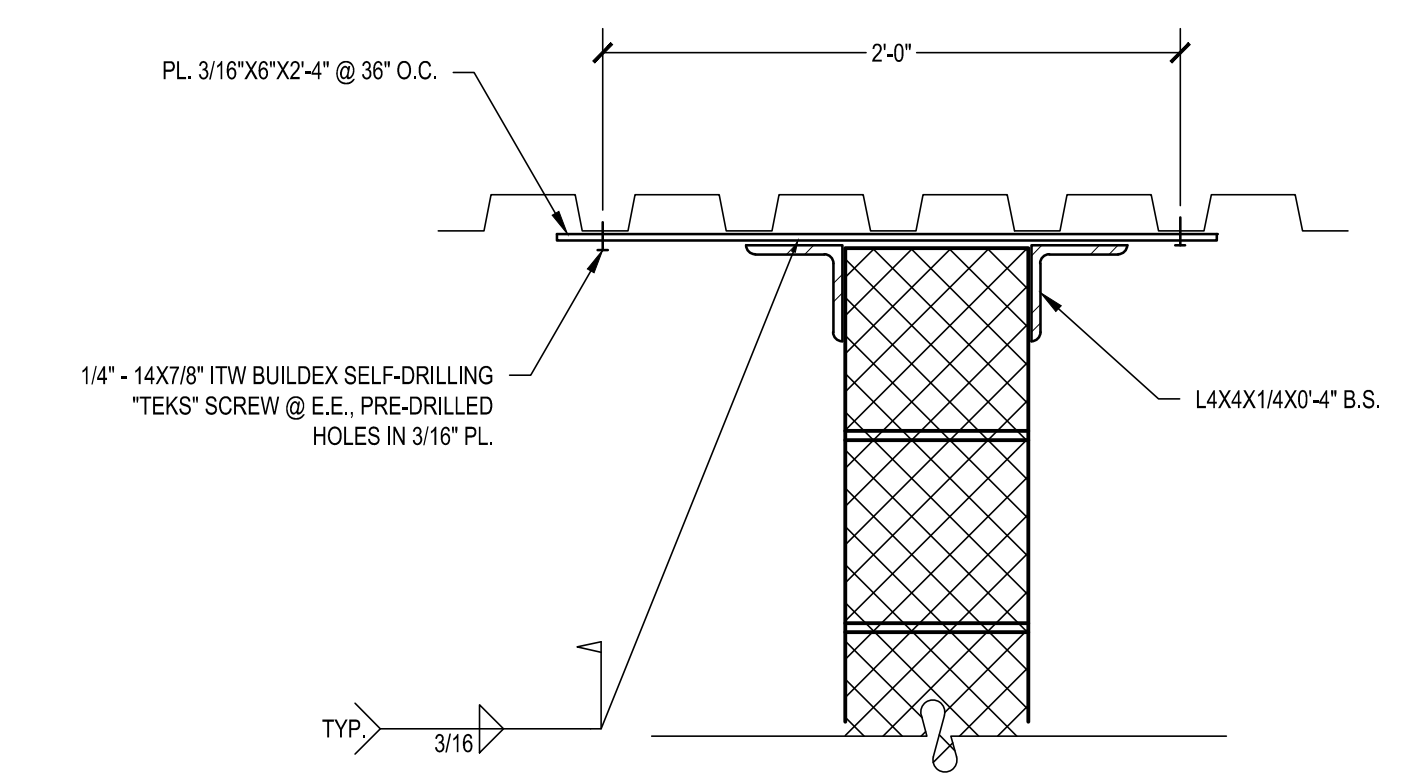
5B SLAB ON GRADE CONSTRUCTION JOINT DETAIL
SCALE: 3/4" = 1'-0"



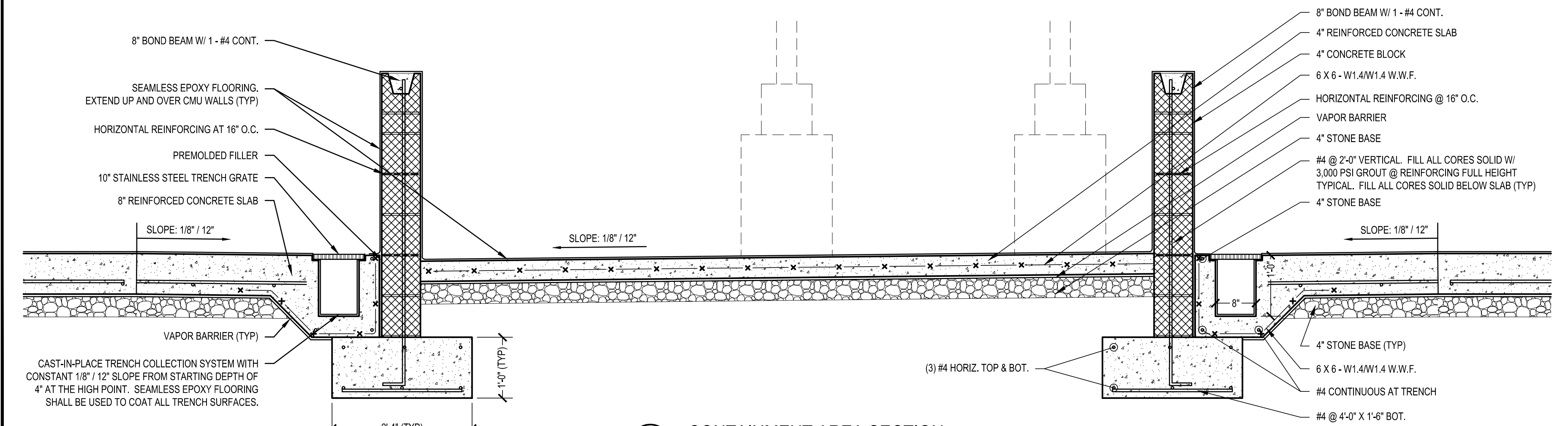
5C SLAB ON GRADE ISOLATION JOINT
SCALE: 3/4" = 1'-0"



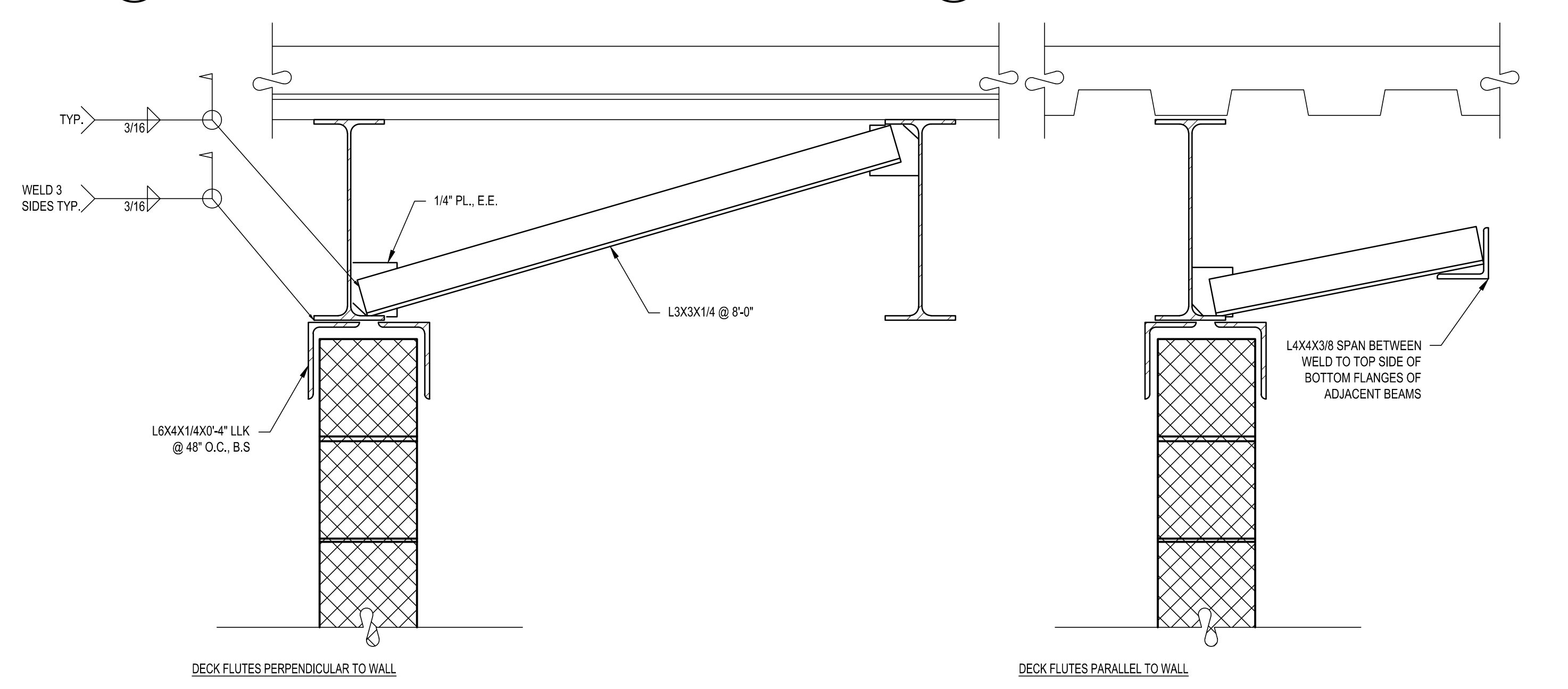
9A TYPICAL TOP OF MASONRY WALL AT ROOF DECK
SCALE: 1-1/2" = 1'-0"



9B ALTERNATE TYPICAL TOP OF MASONRY WALL AT ROOF DECK
SCALE: 1-1/2" = 1'-0"

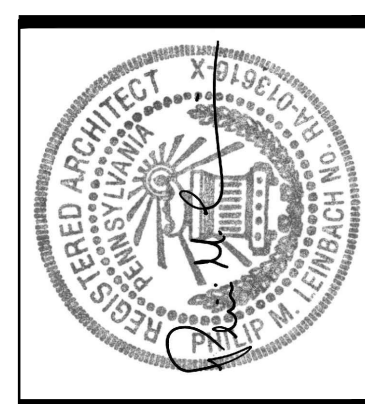


8 CONTAINMENT AREA SECTION
SCALE: 3/4" = 1'-0"



10 TYPICAL TOP OF MASONRY WALL AT STEEL BEAM
SCALE: 1-1/2" = 1'-0"

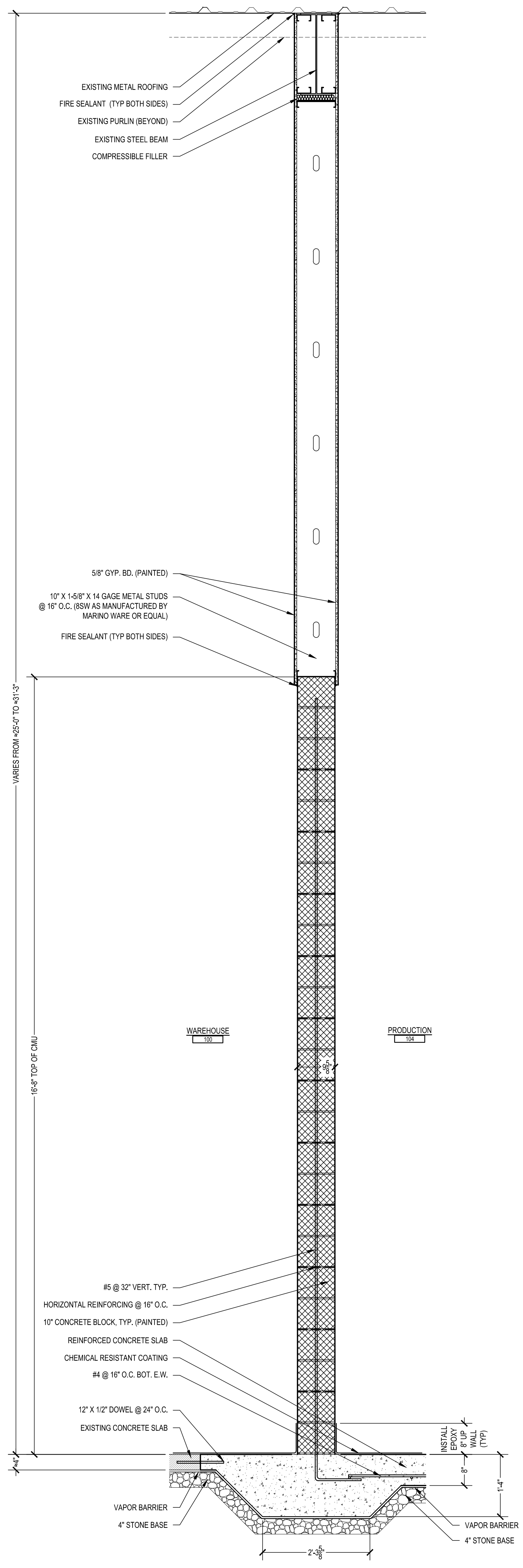
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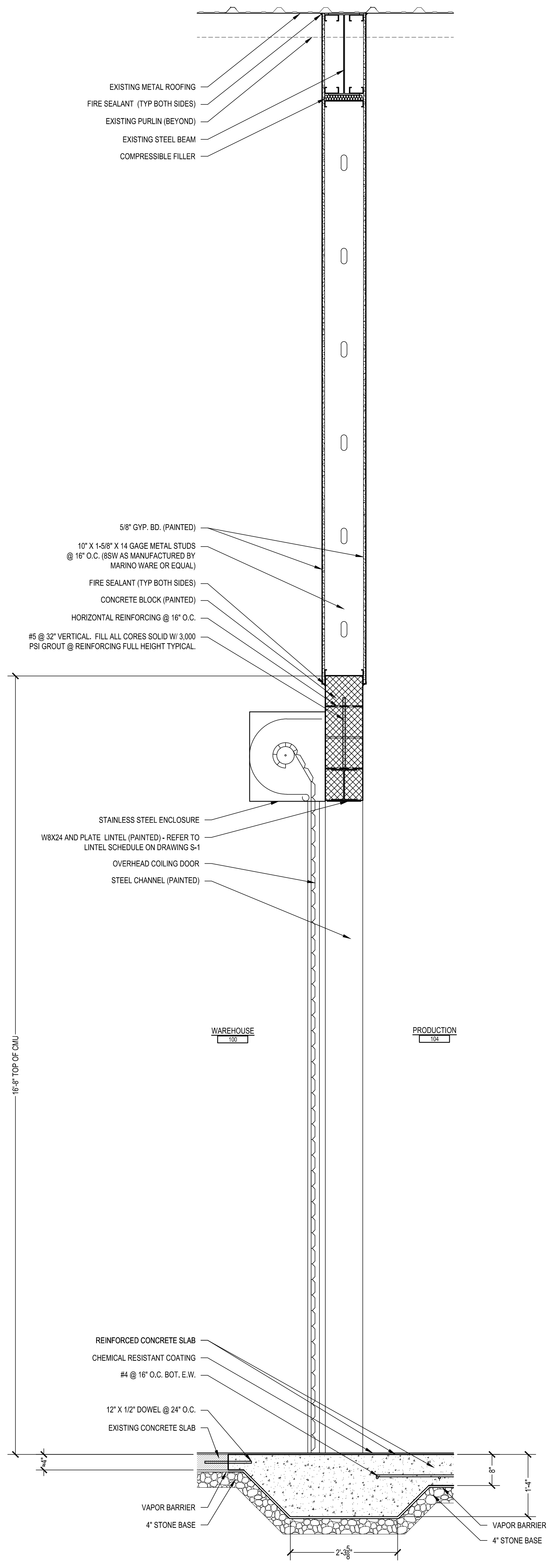
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TYPICAL DETAILS
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR
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72 FELCK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

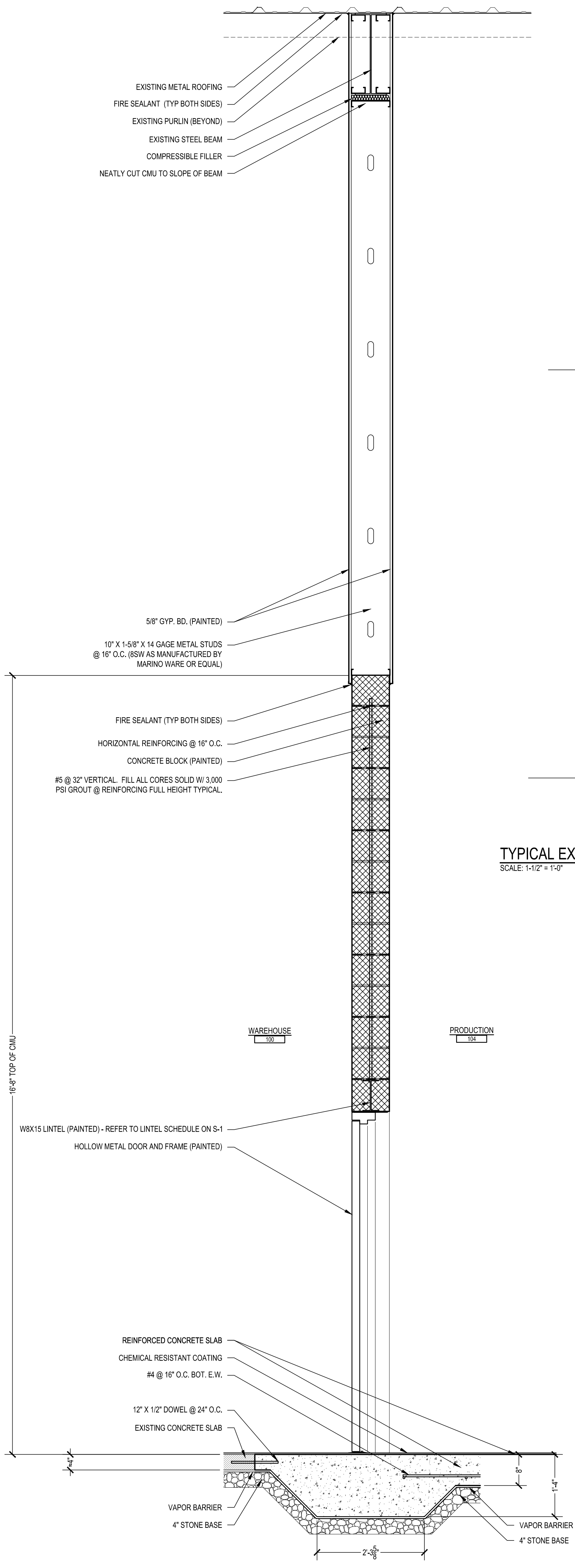
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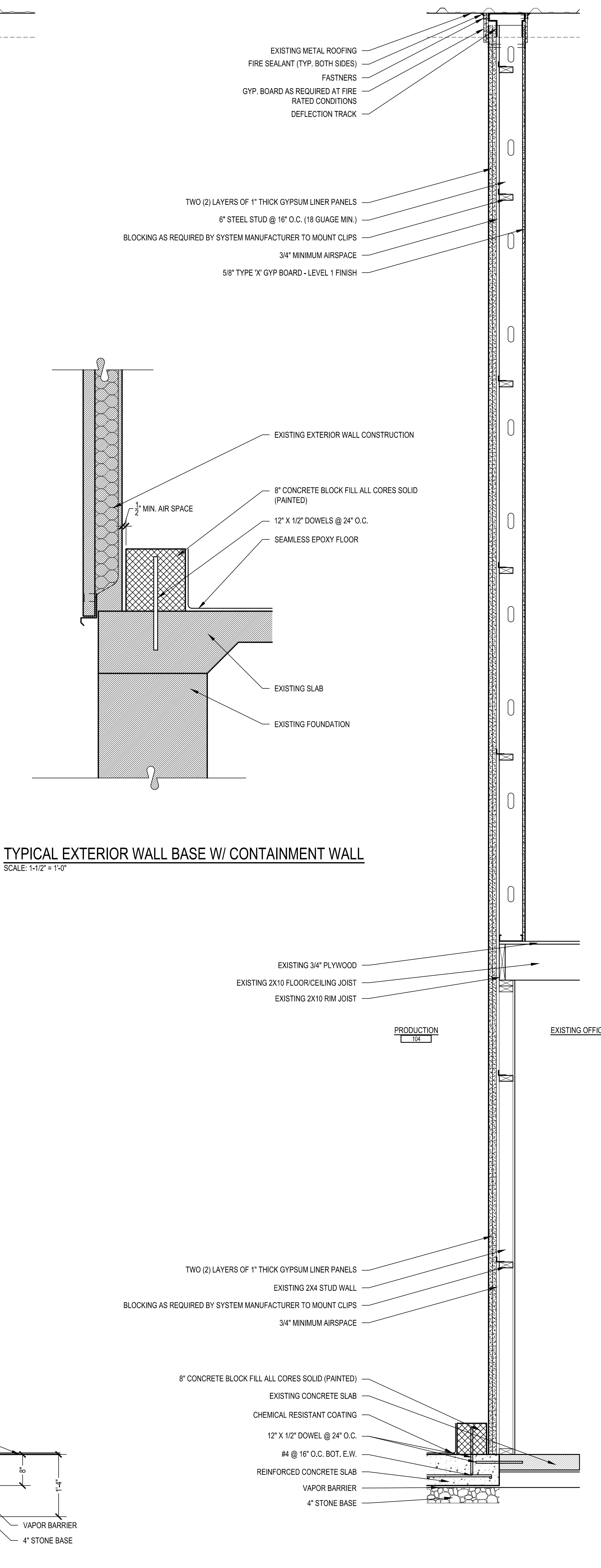
A WALL SECTION
SCALE: 3/4" = 1'-0"



B WALL SECTION
SCALE: 3/4" = 1'-0"



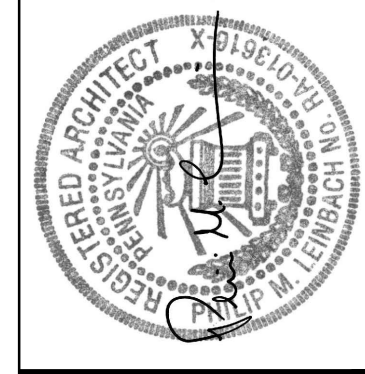
C WALL SECTION
SCALE: 3/4" = 1'-0"



D WALL SECTION
SCALE: 3/4" = 1'-0"

TYPICAL EXTERIOR WALL BASE W/ CONTAINMENT WALL
SCALE: 1-1/2" = 1'-0"

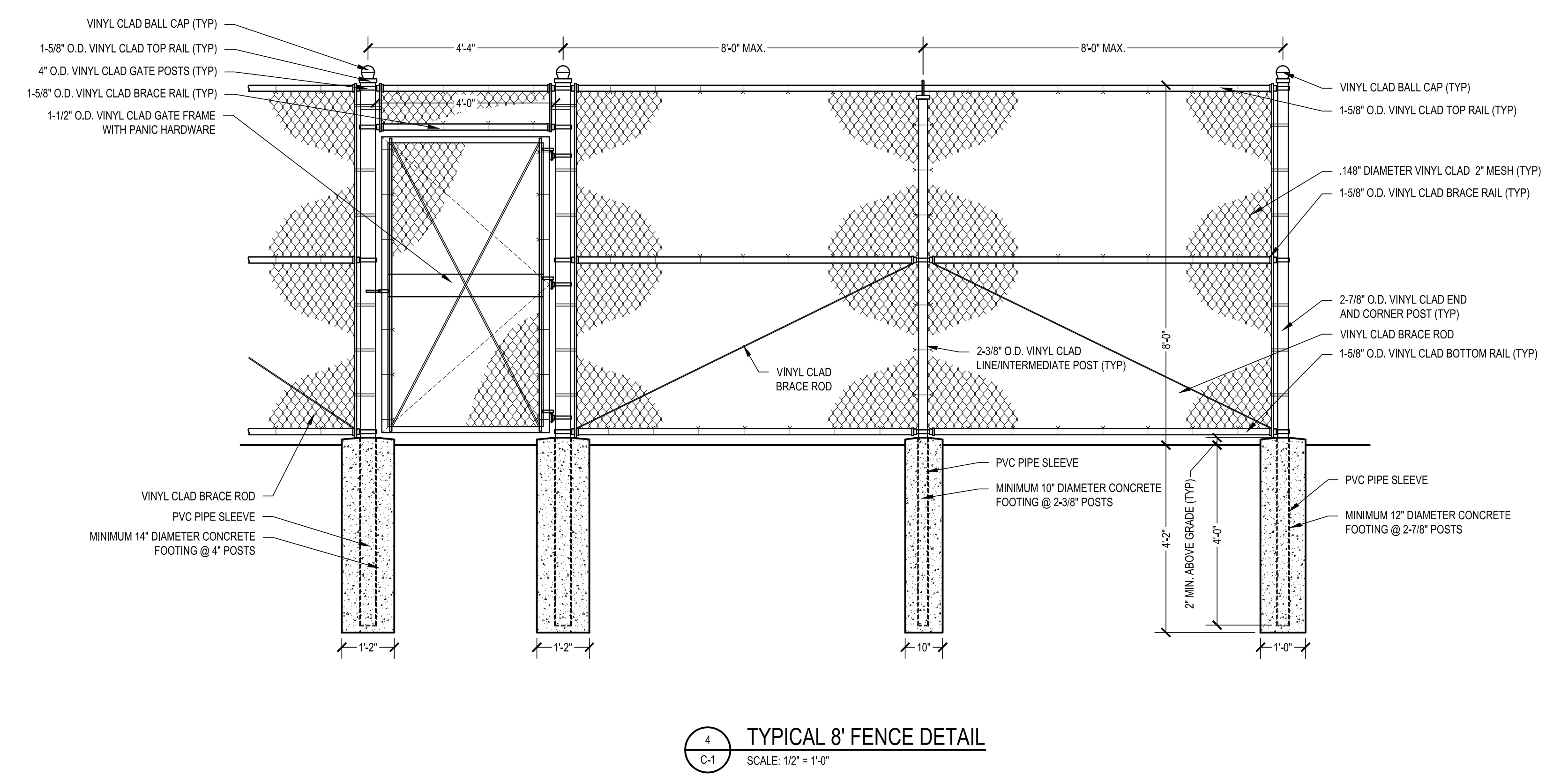
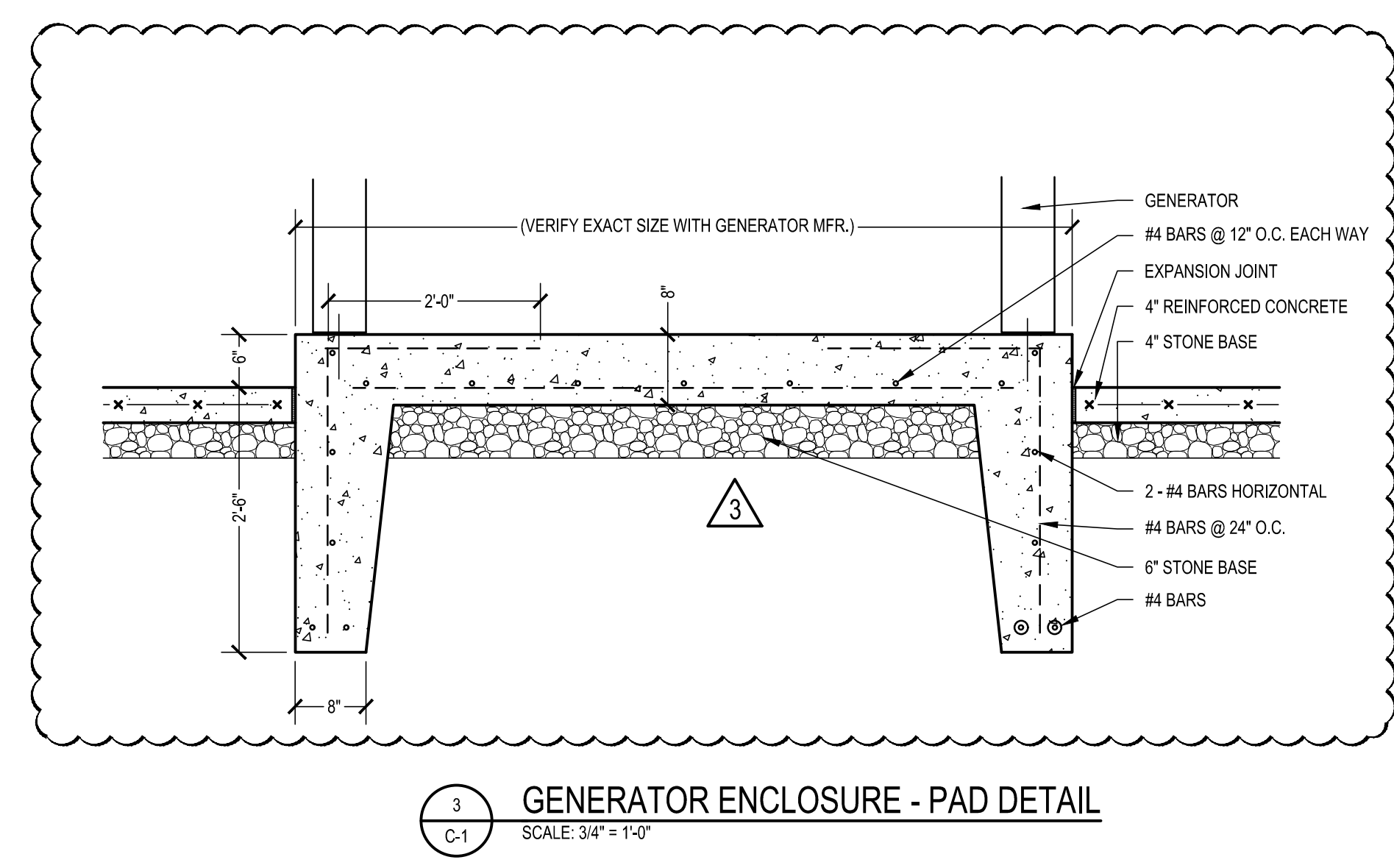
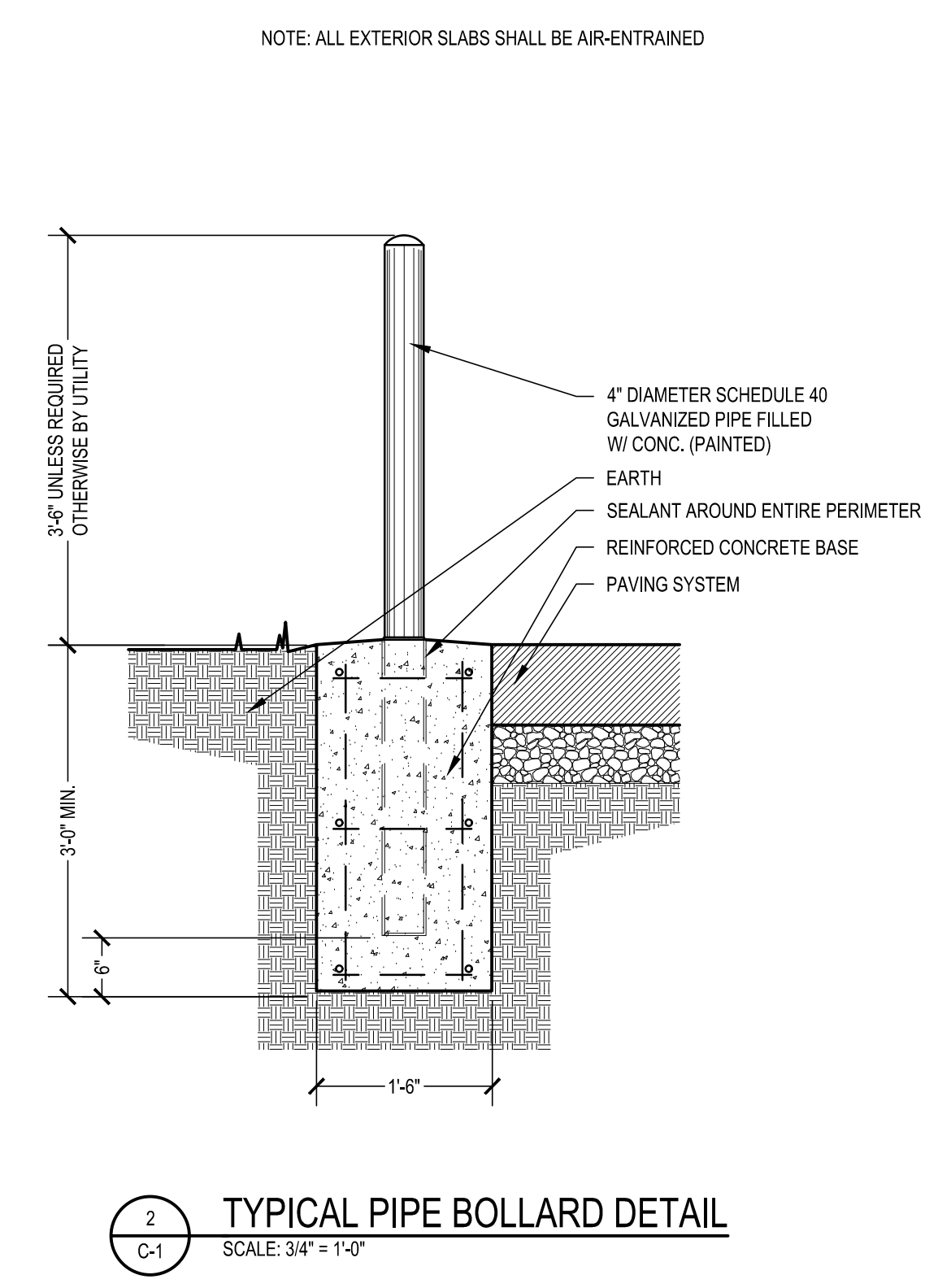
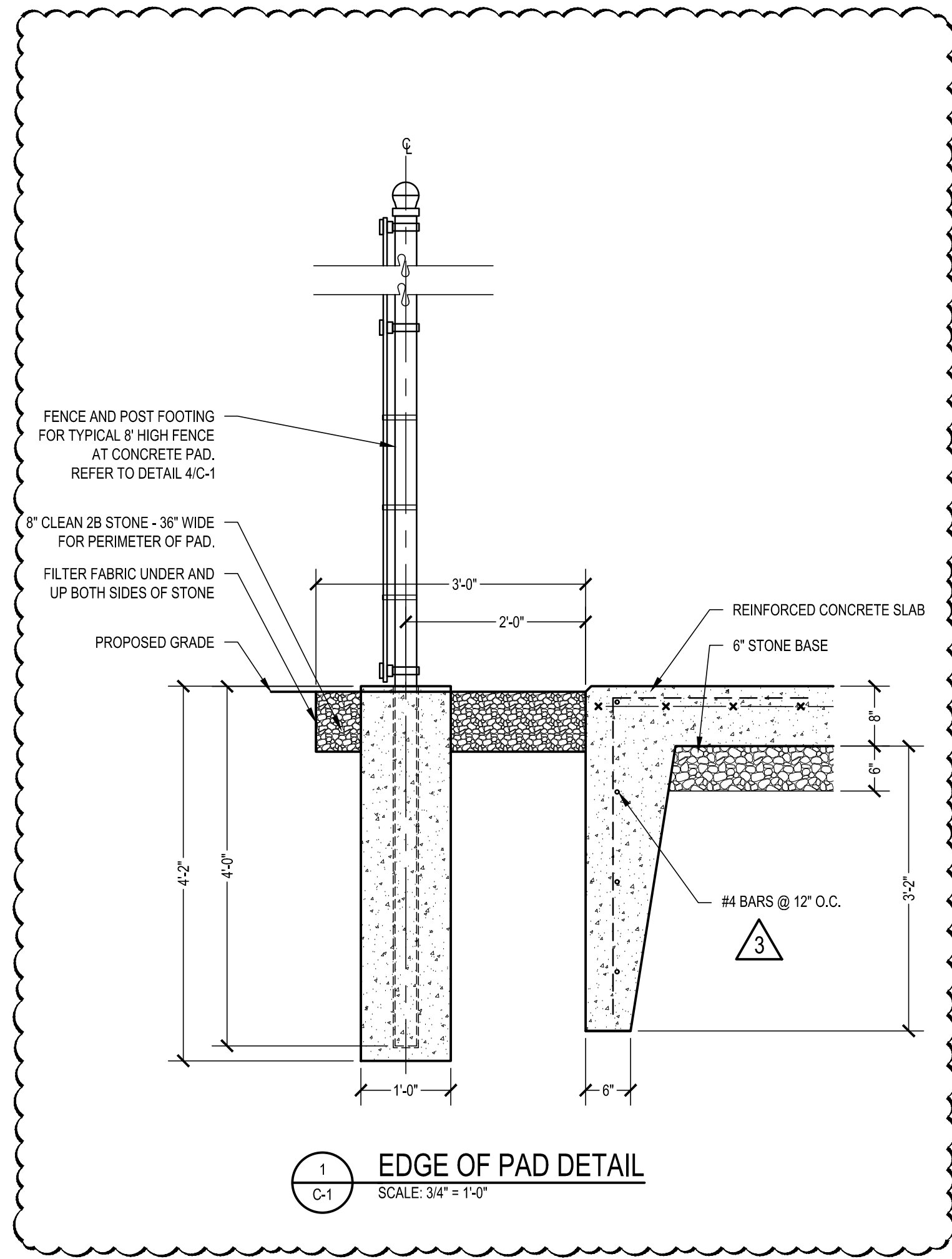
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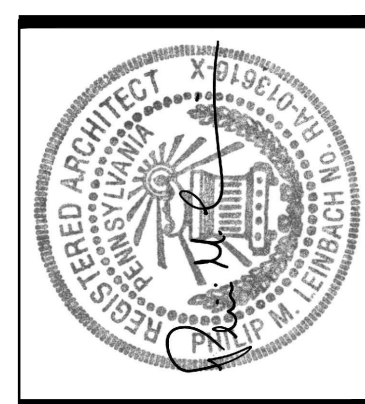
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3/4" WALL SECTIONS
PROPOSED BUILDING RENOVATIONS AT SHARTLESVILLE FOR
BULK CHEMICALS
72 FELCK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

JOB NO.: 20003.00
DRAWN BY: [Name]
DATE: 08.30.2021



| DATE | DESCRIPTION |
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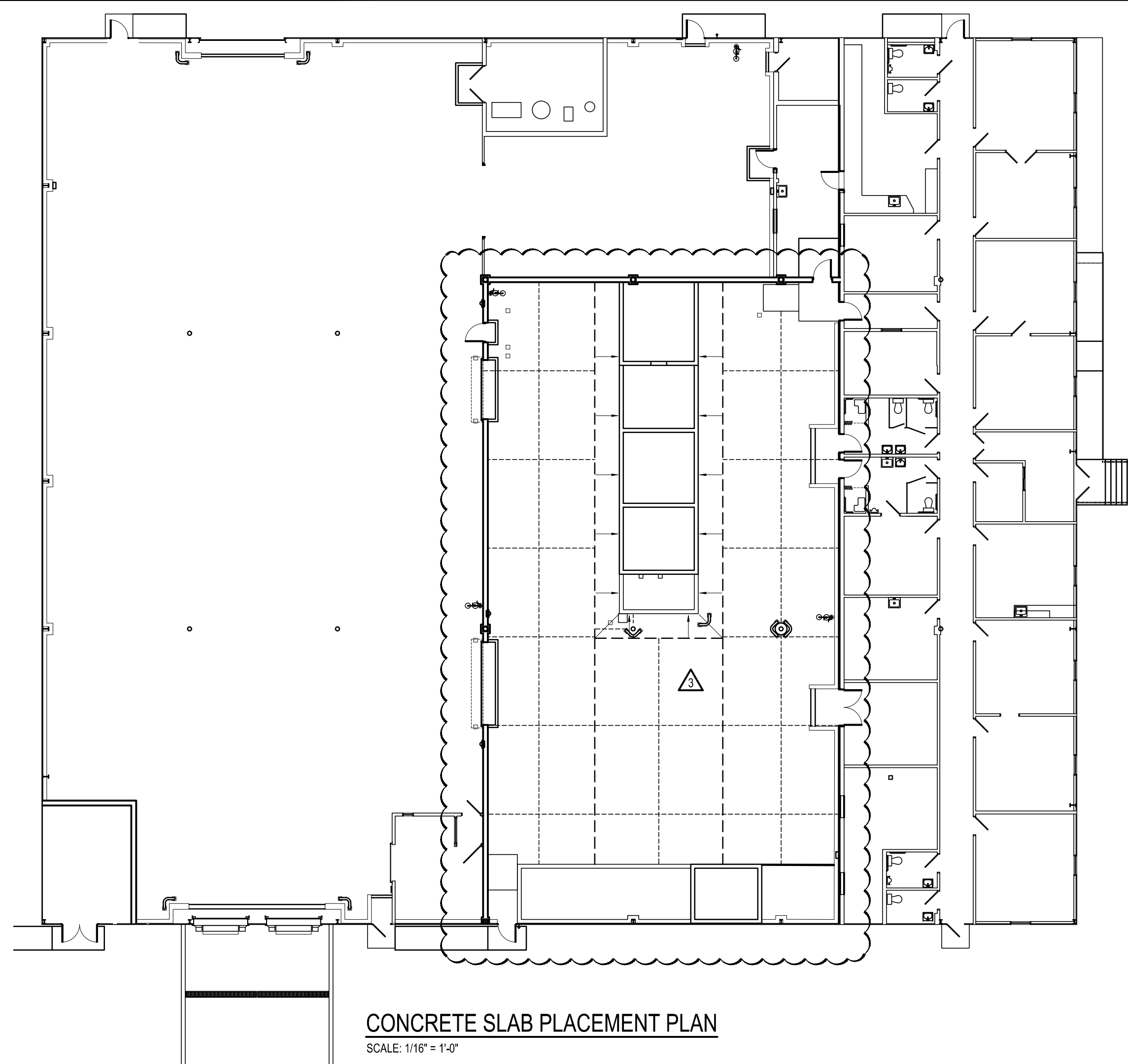


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SITE DETAILS
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 72 FEICK INDUSTRIAL DRIVE, UPPER BERN TOWNSHIP, BERKS COUNTY, PA

ALL DIMENSIONS AND EXISTING CONDITIONS
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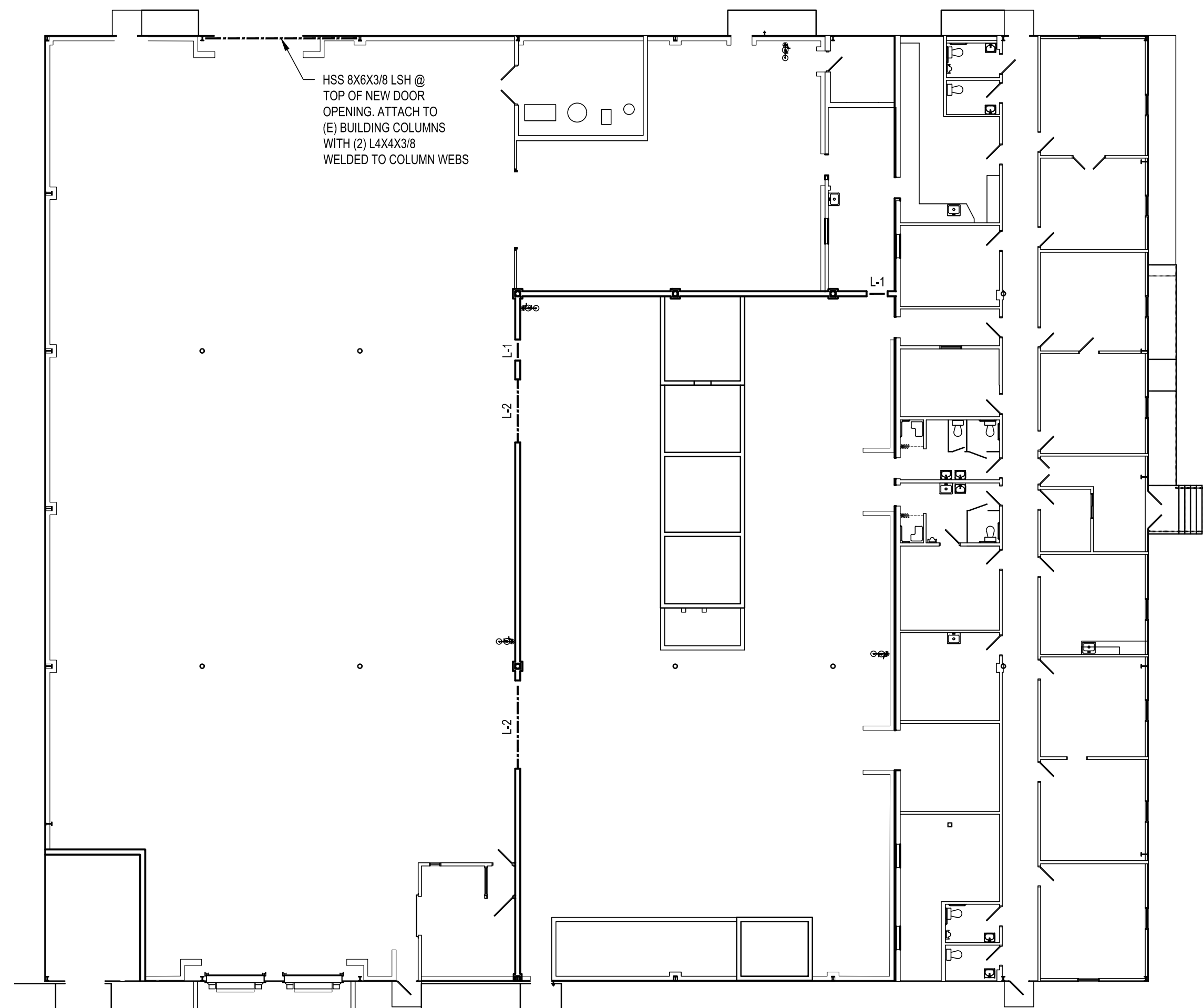
CONCRETE SLAB PLACEMENT PLAN
SCALE: 1/16" = 1'-0"

LEGEND

- - - SAW CUT LINES
- - - SMOOTH DOWELS
- - - EDGE OF SLAB
- SONOTUBE LEAVE-OUT AT COLUMNS (TYP)

NOTES:

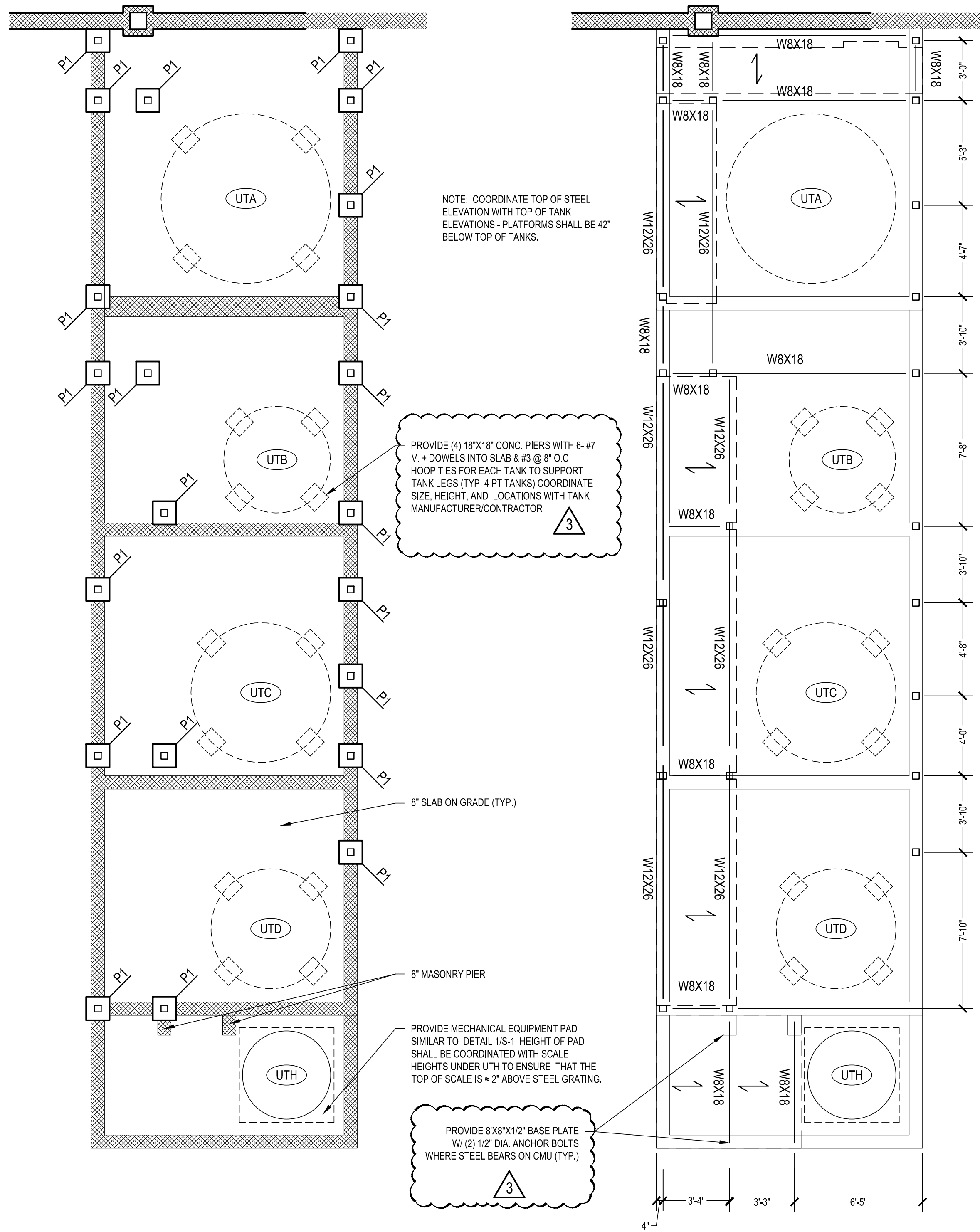
- SMOOTH DOWELS SHALL BE INSTALLED IN ALL EDGE OF POUR BULKHEADS.
- CONTRACTOR SHALL SUBMIT POUR SCHEDULE RELATIVE TO PROGRESS OF WORK BASED ON NOTATIONS ON THIS DRAWING.
- TYPICAL SAW CUT SPACING SHALL BE 15'-0" X 15'-0" SQUARES. REFER TO DETAIL 5/A-10.



LINTEL PLAN
SCALE: 1/16" = 1'-0"

LINTEL SCHEDULE

| MARK | SIZE | REMARKS |
|------|--------------------|-------------------------------|
| L-1 | W8X15+14" BOT. PL. | MIN. 8" BEARING EACH END |
| L-2 | W8X24+14" BOT. PL. | 8X16X3/4" B. 1, 4-1/2" O.A.B. |
| L-3 | | |



PRODUCTION AREA FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

- NOTES:**
- INDICATES 1" X 1/8" GALV. STEEL GRATING. (CROSS BARS @ 4" O.C. & BEARING BARS @ 13 1/8" O.C.) STEEL GRATING SHALL BE PAINTED.
 - ALL BEAMS TO BE W 8X10, UNLESS OTHERWISE NOTED.
 - ALL POSTS TO BE HSS 4X4X1/4, WITH 1/2" CAP 1, 10X10X1/2" B. 1 AND (4) 1/2" (F1554 GR. 36.) ANCHOR BOLTS, UNLESS OTHERWISE NOTED.
 - UNLESS NOTED OTHERWISE, PROVIDE 1/4" BENT PLATE WELDED ON TOP OF STEEL BEAMS @ ENDS OF STEEL GRATING (PROVIDE 1/2" O X 6" EXP. BOLTS @ 3'-0" O.C. AT TOP OF CONC. WALLS).

| MARK | SIZE (MIN.) | REMARKS |
|------|--|-----------------------|
| P-1 | 14" X 14" WITH (4) #7 V. & #3 @ 12" TIES □ | REFER TO DETAIL 4/S-1 |

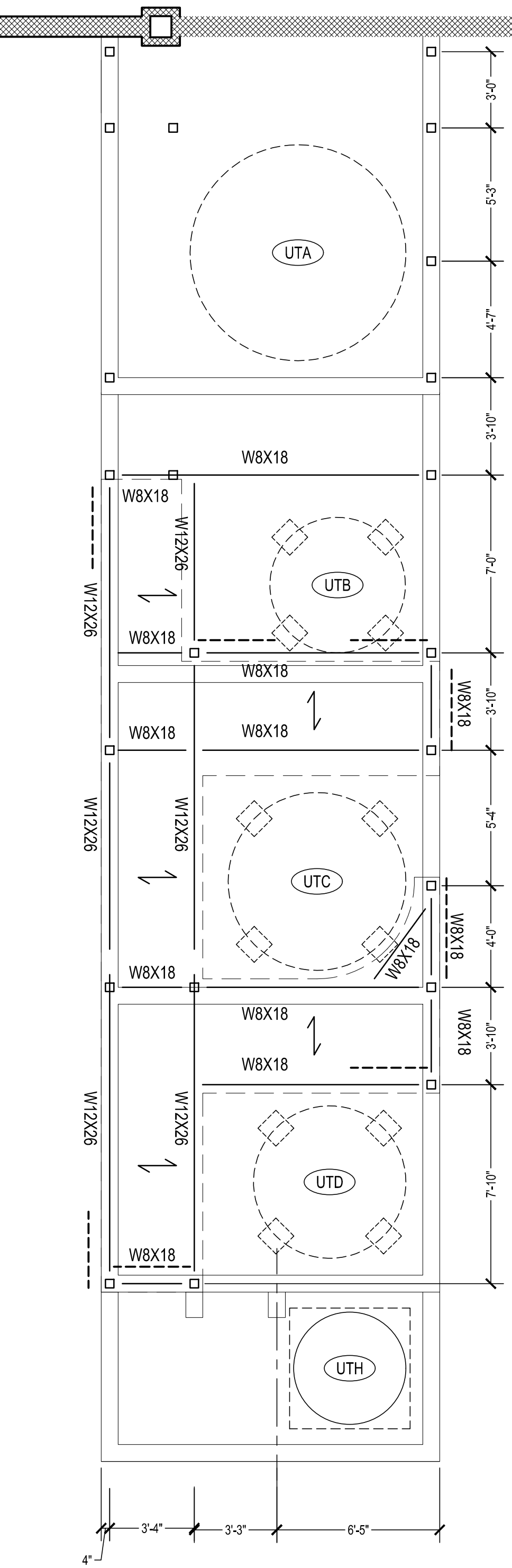
NOTE: COORDINATE TOP OF STEEL ELEVATION WITH TOP OF TANK ELEVATIONS - PLATFORMS SHALL BE 42" BELOW TOP OF TANKS.

PROVIDE (4) 18"X18" CONC. PIERS WITH 6-#7 V. + DOWELS INTO SLAB & #3 @ 8" O.C. HOOP TIES FOR EACH TANK TO SUPPORT TANK LESS (TYP. 4 PT TANKS) COORDINATE SIZE, HEIGHT, AND LOCATIONS WITH TANK MANUFACTURER/CONTRACTOR

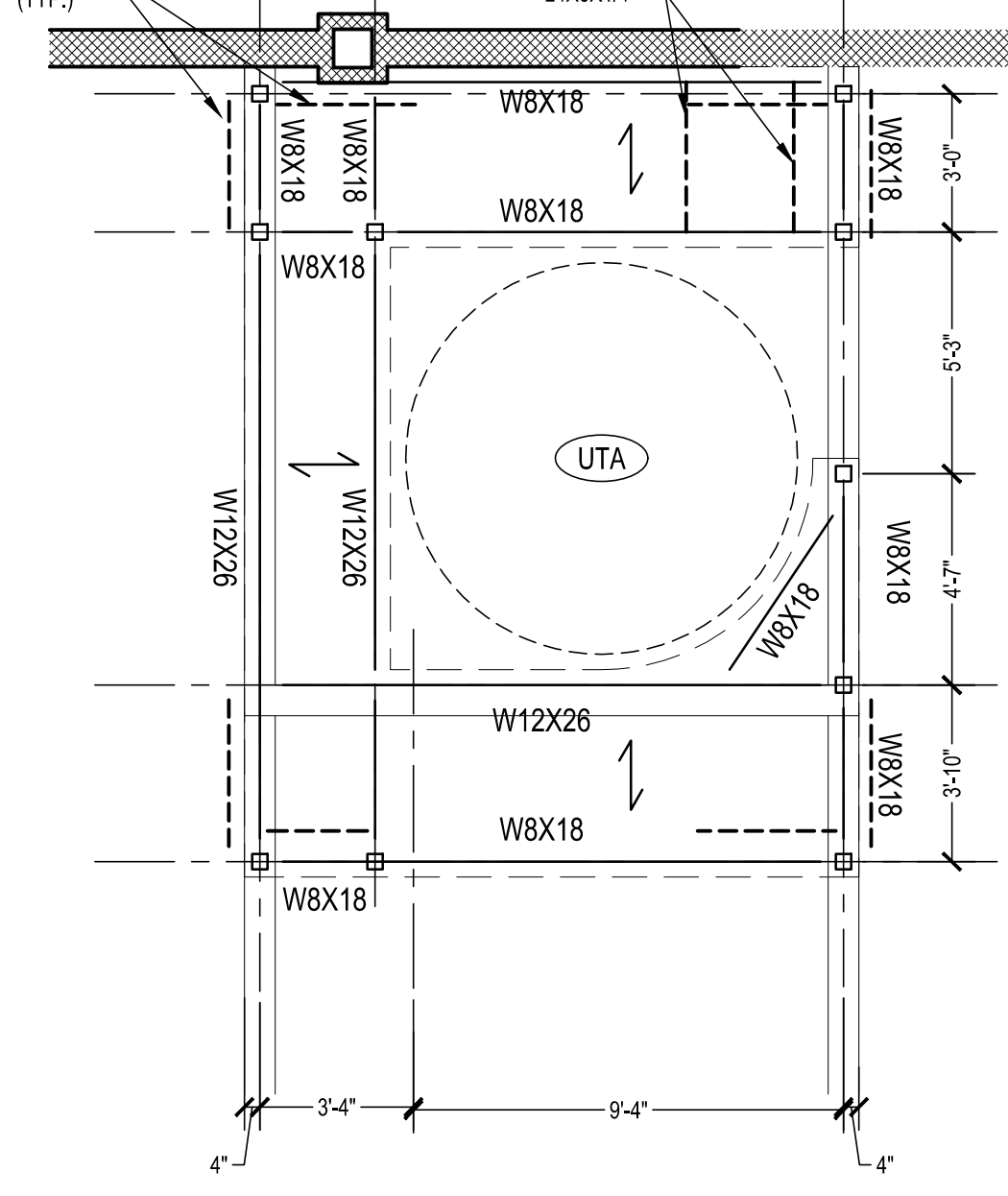
PROVIDE MECHANICAL EQUIPMENT PAD SIMILAR TO DETAIL 1/S-1. HEIGHT OF PAD SHALL BE COORDINATED WITH SCALE HEIGHTS UNDER UTA TO ENSURE THAT THE TOP OF SCALE IS = 2" ABOVE STEEL GRATING.

PROVIDE 8"X8"X1/2" BASE PLATE W/ (2) 1/2" DIA. ANCHOR BOLTS WHERE STEEL BEARS ON CMU (TYP.)

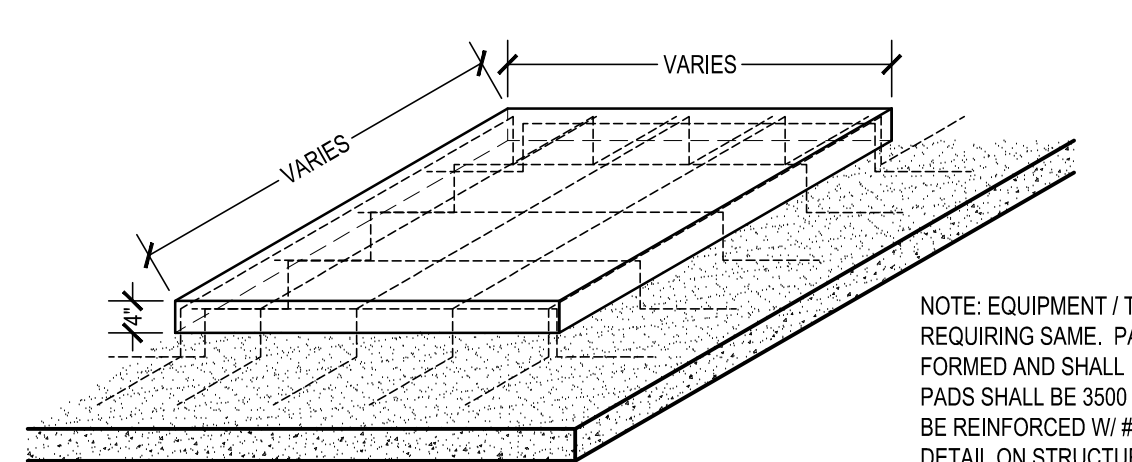
PRODUCTION AREA LOWER FRAMING PLAN
SCALE: 1/4" = 1'-0"



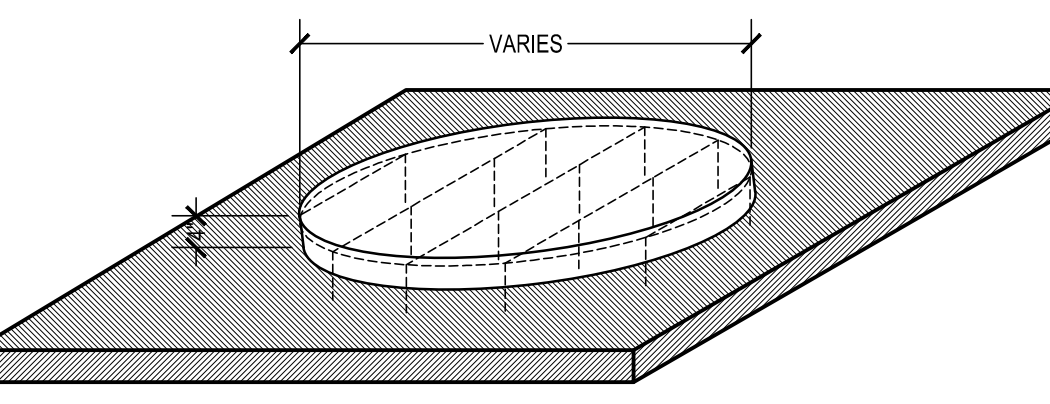
PRODUCTION AREA MID LEVEL FRAMING PLAN
SCALE: 1/4" = 1'-0"



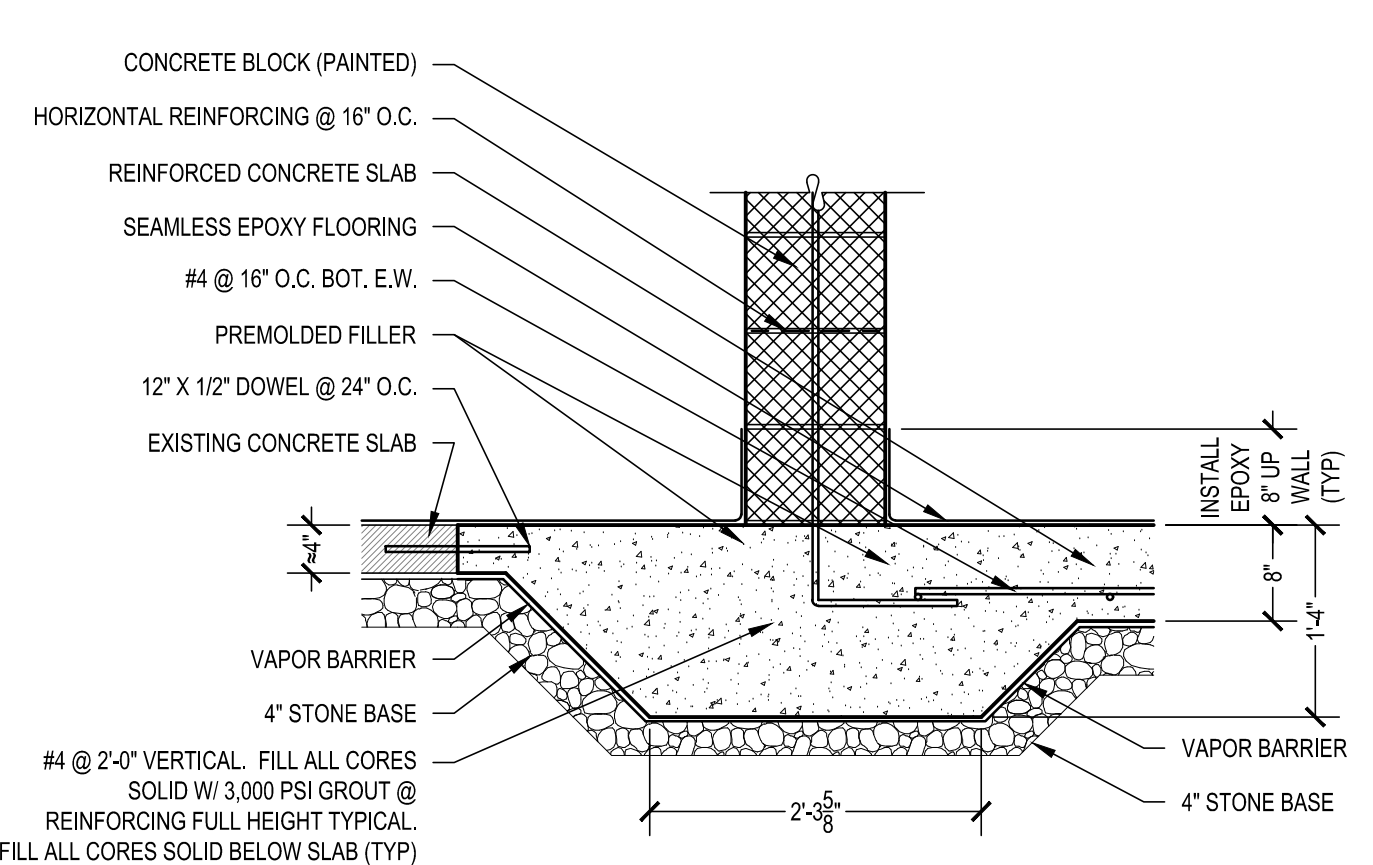
PRODUCTION AREA UPPER FRAMING PLAN
SCALE: 1/4" = 1'-0"



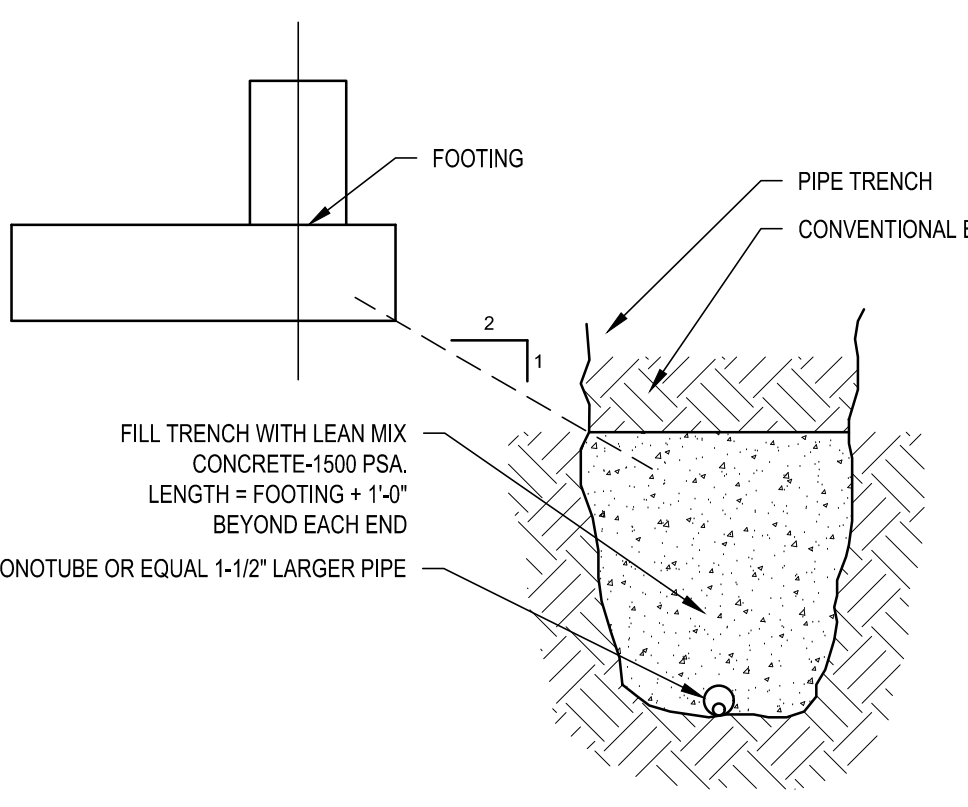
MECHANICAL EQUIPMENT PAD DETAIL
SCALE: 1/2" = 1'-0"



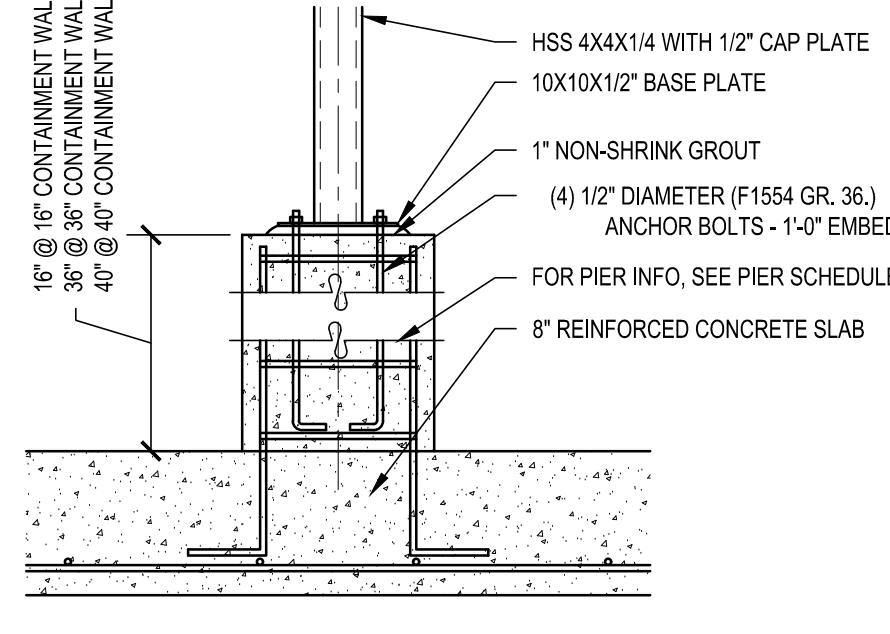
TANK PAD ON EXISTING SLAB
SCALE: 1/2" = 1'-0"



FOOTING DETAIL
SCALE: 3/4" = 1'-0"

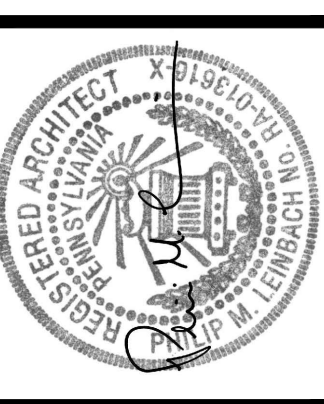


TYPICAL UTILITY PIPES ADJACENT TO FOOTING DETAIL
SCALE: 3/4" = 1'-0"



TYPICAL WORK PLATFORM PIER
SCALE: 3/4" = 1'-0"

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