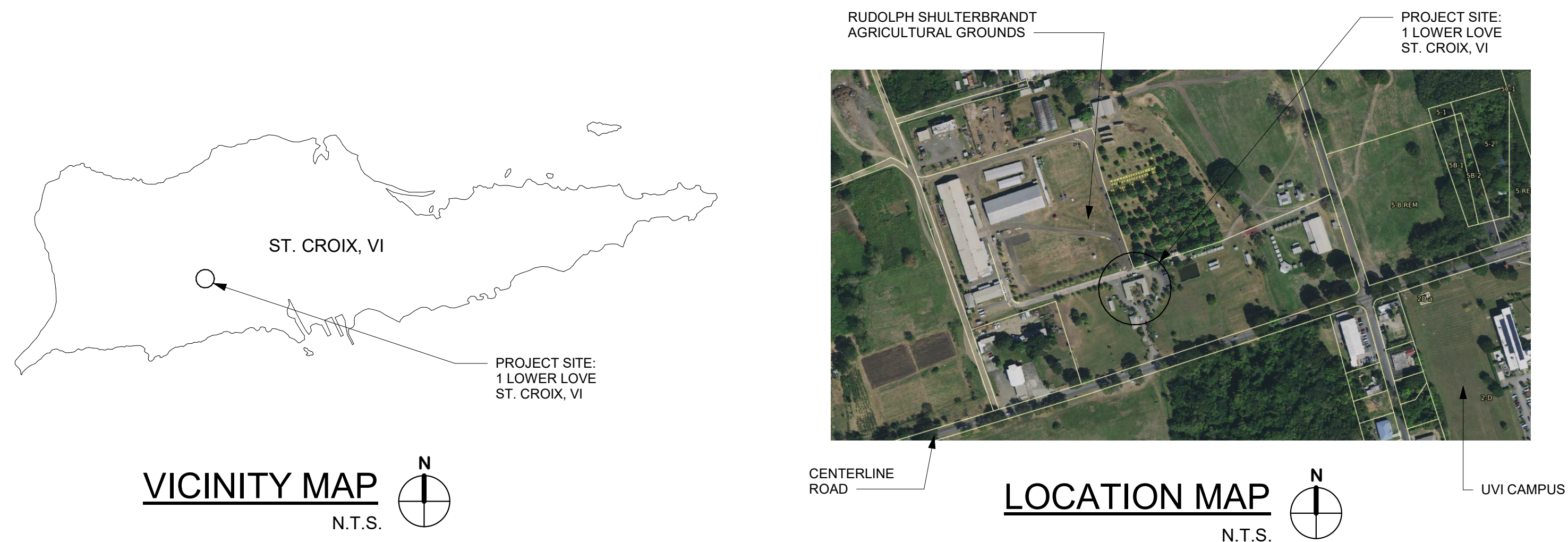


ST. CROIX ADMINISTRATIVE BUILDING
VIRGIN ISLANDS DEPARTMENT OF AGRICULTURE
RUDOLPH SHULTERBRANDT AGRICULTURAL GROUNDS
1 LOWER LOVE
ST. CROIX, U.S. VIRGIN ISLANDS



RENDERING

GENERAL NOTES

1. PROJECT IDENTIFICATION: V.I. DEPARTMENT OF AGRICULTURE ADMINISTRATIVE BUILDING
2. PARCEL ID NO. 406300040200
3. SITE ZONING: P-PUBLIC
4. OWNER: GOVERNMENT OF THE VIRGIN ISLANDS OF THE UNITED STATES
(VI DEPARTMENT OF AGRICULTURE)
5. ARCHITECT: BOSCHULTE ARCHITECTURE, LLC, PO BOX 303190, ST. THOMAS, U.S.V.I. 00802
6. KEEP ACCESS EASEMENTS, DRIVEWAYS, AND ENTRANCES SERVING PREMISES AND ADJACENT PROPERTIES CLEAR AND AVAILABLE TO OWNER AND EMERGENCY VEHICLES AT ALL TIMES. DO NOT USE THESE AREAS FOR PARKING OR STORAGE OF MATERIALS.
7. COORDINATE, SCHEDULE, AND APPROVE PERMANENT AND TEMPORARY UTILITIES, INCLUDING THOSE NECESSARY TO MAKE CONNECTIONS FOR TEMPORARY SERVICES.
8. DO NOT DISTURB PORTIONS OF THE SITE BEYOND AREAS IN WHICH THE WORK IS INDICATED.
9. REMOVE WASTE MATERIALS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN A LANDFILL OR INCINERATOR ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND LEGAL DISPOSAL OFF-SITE FOR ALL DEMOLITION AND CONSTRUCTION WASTE DEBRIS, AND FOR ANY DUMPSTER, TRUCKING AND LANDFILL FEES.
10. ALL WORK DONE SHALL COMPLY WITH THE LATEST EDITION OF THE VIRGIN ISLANDS BUILDING CODE.
11. JOB SITE VISITS BY THE OWNER OR ARCHITECT DO NOT CONSTITUTE AN OFFICIAL INSPECTION UNLESS SPECIFICALLY REQUESTED BY THE CONTRACTOR.
12. THE ARCHITECT SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION BY THE CONTRACTOR.
13. DO NOT SCALE DRAWINGS.
14. DEVIATION FROM THE CONSTRUCTION DOCUMENTS WITHOUT PRIOR WRITTEN CONSENT OF THE ARCHITECT MAY BE CAUSE FOR THE WORK TO BE REJECTED BY THE ARCHITECT. THE ARCHITECT SHALL NOT BE HELD LIABLE FOR ANY DAMAGES OR INJURIES WHICH MAY OCCUR DUE TO ANY UNAPPROVED DEVIATION FROM THE CONSTRUCTION DOCUMENTS.
15. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO ORDERING, SIZING, AND CUTTING OF ALL PROJECT MATERIALS.
16. CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY IN WRITING IF CONDITIONS ENCOUNTERED IN FIELD ARE DIFFERENT FROM CONDITIONS INDICATED ON DRAWINGS.

FEDERAL CONSISTENCY NOTES

1. PROJECT IDENTIFICATION: V.I. DEPARTMENT OF AGRICULTURE ADMINISTRATIVE BUILDING
2. PARCEL ID NO. 40630040200
3. SITE ZONING: P-PUBLIC
4. NAME AND ADDRESS OF APPLICANT:
GOVERNMENT OF THE VIRGIN ISLANDS OF THE UNITED STATES
VI DEPARTMENT OF AGRICULTURE
RUDOLPH SHULTERBRANT AGRICULTURAL GROUNDS
1 LOWER LOVE ST. CROIX, U.S. VIRGIN ISLANDS
5. LOCATION OF PROJECT:
VI DEPARTMENT OF AGRICULTURE
RUDOLPH SHULTERBRANT AGRICULTURAL GROUNDS
1 LOWER LOVE
ST. CROIX, U.S. VIRGIN ISLANDS

GPS COORDINATES:
LATITUDE: 17.718965636156057
LONGITUDE: -64.8081348364521111
6. ABSTRACT / DESCRIPTION OF PROJECT:
DEPT. OF AGRICULTURE PROPOSES TO CONSTRUCT A NEW TWO-STORY OFFICE BUILDING TO HOUSE THE NEW FUNCTION OF THE DEPARTMENT. THE NEW STRUCTURE REPLACES A PREVIOUSLY DEMOLISHED HURRICANE DAMAGED OFFICE BUILDING.
7. SUMMARY OF PROPOSED ACTIVITY
A. PURPOSE OF PROJECT IS TO CONSTRUCT A NEW TWO-STORY OFFICE BUILDING WITH PAVED PARKING AREA, SIDEWALKS, AND LANDSCAPING.
B. PRESENCE AND LOCATION OF ANY CRITICAL AREAS:
 - a. HISTORICAL: NONE
 - b. ENVIRONMENTAL: EXISTING GUT TO THE EAST (NOT ALTERING THE GUT)
 - c. CULTURAL: SITE IS USED FOR ANNUAL AGRICULTURAL FAIR. PROJECT WILL BE IN SUPPORT OF THIS CULTURAL ACTIVITY BY IMPROVING ENTRY GATE, PROVIDING ACCESSIBLE SIDEWALK TO THE PUBLIC WAY, AND PAVED AREAS FOR DISPLAY BOOTHS.
C. PROPOSED METHOD OF LAND CLEARING: SITE IS A PREVIOUSLY DEVELOPED LOW-SLOPE SITE WITH ORNAMENTAL LANDSCAPING: PALM TREES. PROJECT ANTICIPATES USE OF EXCAVATOR FOR REMOVAL OF BUILDING FOUNDATION AND BACKHOE FOR FINAL GRADING. PROVISIONS TO PRESERVE TOPSOIL AND LIMIT SITE DISTURBANCE:
 - a. SITE LIMITS IS DEFINED ON EROSION CONTROL PLAN. AREAS OF SITE BEYOND SITE LIMITS SHALL NOT BE DISTURBED.
 - b. EROSION CONTROL PLAN DEFINES AREA OF TOP SOIL STOCKPILING, WITH TEMPORARY SILT FENCE BARRIER RUNOFF PROTECTION. ANY STOCKPILED TOPSOIL SHALL REMAIN ON SITE AND USED FOR FINAL GRADING.
E. EROSION AND SEDIMENTATION CONTROL DEVICES TO BE IMPLEMENTED:
 - a. PROJECT WILL UTILIZE TEMPORARY SEDIMENT SILT FENCE AROUND AREAS OF SITE DISTURBANCE.
 - b. ANY STORM DRAIN DROP INLETS WILL HAVE TEMPORARY INSTALLED STORM DRAIN INLET PROTECTION CONTROLS TO INCLUDE FILTER FABRIC AND/OR FILTER SOCKS AS MAY BE REQUIRED TO PREVENT SOIL AND DEBRIS FROM ENTERING STORM DRAIN INLETS.
 - c. CONCRETE WASHOUT AREA WILL BE INSTALLED FOR WASHING OUT OF CONCRETE TRUCKS, PUMP TRUCKS, TOOLS, AND EQUIPMENT.
F. SCHEDULE FOR EARTH CHANGING ACTIVITIES AND EROSION/SEDIMENT CONTROL MEASURES:
 - a. REFER TO EROSION CONTROL PLAN.
G. MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES:
 - a. REFER TO EROSION CONTROL PLAN.
H. METHOD OF STORMWATER MANAGEMENT
 - a. PROJECT TO MINIMALLY ALTER DIRECTION OF NATURAL STORMWATER DRAINAGE. PROJECT TO UTILIZE SHEET FLOW DRAINAGE TO EXISTING LOW SLOPE GRASSY FIELD LEADING TO EXISTING GUT TO THE EAST OF PROJECT SITE.
 - b. PARKING AND DRIVEWAY AREAS TO BE PAVED USING PERVIOUS PAVING TO MINIMIZE RUNOFF. IMPERVIOUS METAL ROOF AREA RAINWATER TO BE COLLECTED AND STORED IN CISTERN FOR USE IN BUILDING SYSTEMS.
I. MAINTENANCE SCHEDULE FOR STORMWATER FACILITIES:
 - a. SEE CIVIL PLAN.
J. METHOD OF SEWERAGE DISPOSAL:
 - a. PROJECT TO UTILIZE EXISTING WASTEWATER CONNECTION TO MUNICIPAL (VIVMA) SEWER SYSTEM.

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| G502 | ADA COMPLIANCE AND MOUNTING HEIGHTS |
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| P303 | DETAILS |



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REVISIONS

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| Project number | 2021.008.00 |
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| Date | 11/06/2022 |
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| Drawn by | JTB |
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| Checked by | JTB |
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COVER SHEET

G100

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FEDERAL CONSISTENCY
DETERMINATION SET
11/06/2022

NOTE: ALL CONSTRUCTION SHALL COMPLY WITH THE VIRGIN ISLANDS CODE AND THE INTERNATIONAL BUILDING CODE 2021 AS APPLICABLE.

INTERNATIONAL BUILDING CODE 2021 USE AND OCCUPANCY CLASSIFICATION:

BUSINESS GROUP B (CIVIC ADMINISTRATION) [12,136 GROSS S.F.]

ACCESSORY OCCUPANCIES (EACH ARE LESS THAN 10% OF THE MAIN OCCUPANCY):

A-3 ASSEMBLY
CONFERENCE ROOM / TRAINING ROOM [764 S.F. NET] OCCUPANCY LOAD FACTOR, CONCENTRATED = 109 PERSONS

BUILDING HEIGHT: TWO (2) STORIES

SQUARE FOOTAGE SUMMARY:
GROSS SQUARE FOOTAGE, BUSINESS GROUP B = 10,975 S.F.
LEVEL ONE = 6,068 S.F. (GROSS)
LEVEL TWO = 4,907 S.F. (GROSS)

TYPE OF CONSTRUCTION: TYPE V-B (STRUCTURAL ELEMENTS, EXTERIOR WALLS, INTERIOR WALLS ARE OF ANY CODE-PERMITTED MATERIAL)

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) FOR TYPE V-B CONSTRUCTION (Table 601):

PRIMARY STRUCTURAL FRAME: 0 HOURS (NON-SPRINKLERED BUILDING)

BEARING WALLS:
EXTERIOR: 0 HOURS
INTERIOR: 0 HOURS (NON-SPRINKLERED)

NON-BEARING WALLS AND PARTITIONS, INTERIOR: 0 HOURS

FLOOR CONSTRUCTION AND SECONDARY MEMBERS: 0 HOURS

ROOF CONSTRUCTION AND SECONDARY MEMBERS: 0 HOURS

COORIDOR FIRE-RESISTANCE RATING FOR OCCUPANT LOADS GREATER THAN 30 = ____ HOURS

ALLOWABLE BUILDING HEIGHT ABOVE GRADE PLANE, TYPE V-B CONSTRUCTION, NON-SPRINKLERED: 40 FEET (Table 504.3)

ALLOWABLE STORIES ABOVE GRADE PLANE, TYPE V-B CONSTRUCTION: 2 STORIES (Table 504.4)

ALLOWABLE AREA FACTOR (At): TYPE V-B, NON-SPRINKLERED: 9,000 S.F. (Table 506.2); Lf area factor increase = 0.75 (Section 506.3)

ALLOWABLE AREA IN S.F. (Aa) OF EACH STORY: $A_a = A_t + (N_S \times L_f) = 9,000 + (9,000 \times .75) = 15,750$ EACH STORY (Section 506.2.1)

IBC STRUCTURAL OCCUPANCY CATEGORY: RISK CATEGORY II (Table 1604.5)

The diagram illustrates the requirements for exit doors and routes. It includes a legend with four items:

- EXIT**: A white rectangle with a black border.
- EXIT ROUTE**: A thick red arrow pointing to the right.
- ACCESSORY OCCUPANCY (A-3 ASSEMBLY); NO SEPARATION REQUIRED
OCCUPANT LOAD FACTOR: ASSEMBLY WITHOUT FIXED SEATS, CONCENTRATED = 7 NET**: A rectangle with diagonal hatching.
- BUSINESS AREAS
OCCUPANT LOAD FACTOR: 150 GROSS**: A rectangle with a stippled pattern.

Below the legend, a horizontal line represents a wall. On the left side of the wall, there is a white rectangle labeled 'EXIT'. To the right of the wall, there is a thick red arrow labeled 'EXIT ROUTE' pointing to the right. Further to the right, there is a hatched rectangle labeled 'ACCESSORY OCCUPANCY (A-3 ASSEMBLY); NO SEPARATION REQUIRED
OCCUPANT LOAD FACTOR: ASSEMBLY WITHOUT FIXED SEATS, CONCENTRATED = 7 NET'. To the right of that is a stippled rectangle labeled 'BUSINESS AREAS
OCCUPANT LOAD FACTOR: 150 GROSS'.

SITE ZONING: P - PUBLIC

PERMITTED USE: OFFICES, GENERAL

REQUIRED PARKING:

1 PER 5 EMPLOYEES
32 EMPLOYEES = 7 PARKING SPACES REQUIRED

PROPOSED PARKING:

40 SPACES, INCLUDING 2 VAN ACCESSIBLE ACCESSIBLE PARKING

MAXIMUM HEIGHT:

AS PER ADJOINING ZONING DISTRICT
PROPOSED HEIGHT: 2 STORIES

COMPLY WITH "BEST PRACTICES" BENCHMARKS OF THE 2021 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

CLIMATE ZONE: VIRGIN ISLANDS 1A (WARM HUMID)

TROPICAL CLIMATE REGION: U.S. VIRGIN ISLANDS

PROVIDE AN R-VALUE IDENTIFICATION MARK FOR ALL BUILDING THERMAL ENVELOPE INSULATION PER SECTION C303 OF THE IECC.

PROVIDE WINDOW, DOORS, AND SKYLIGHT LABELS FOR U-FACTOR RATINGS, SOLAR HEAT GAIN COEFFICIENT (SHGC) AND VISIBLE TRANSMITTANCE (VT) OF ALL GLAZED PENETRATION PRODUCTS PER SECTION C303 OF THE IECC.

COMPLY WITH THE REQUIREMENTS OF ASHRAE 90.1

OPAQUE THERMAL ENVELOPE INSULATION COMPONENTS MINIMUM REQUIREMENTS (R-VALUE METHOD):

1. ROOFS: INSULATION ABOVE ROOF DECK: R-20ci
2. WALLS ABOVE GRADE: NO REQUIREMENT
3. WALLS BELOW GRADE: NO REQUIREMENT
4. FLOORS, MASS: NO REQUIREMENT
5. SLAB-ON-GRADE FLOORS, UNHEATED: NO REQUIREMENT

**INTERIOR SEMI-RECESSED TYPE 2A
FIRE EXTINGUISHER AND CABINET**

FFC

FIRE EXTINGUISHER REQUIREMENTS

OCCUPANCY: B
AMOUNT REQUIRED (NON-SPRINKLERED): ____
PROVIDED: ____

FIRE EXTINGUISHER NOTES

1. PORTABLE FIRE EXTINGUISHERS SHALL NOT BE OBSTRUCTED OR OBTSCURED FROM VIEW.
2. EXTINGUISHERS WEIGHING 40 POUNDS OR LESS SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT EMORE THAN 5 FEET ABOVE THE FLOOR.
3. EXTINGUISHERS WEIGHING MORE THAN 40 POUNDS SHALL BE INSTALLED SO THAT THEIR TOPS ARE NOT MORE THAN 3.5 FEET ABOVE THE FLOOR. THE CLEARANCE BETWEEN THE FLOOR AND THE BOTTOM OF INSTALLED HAND-HELD PORTABLE FIRE EXTINGUISHERS SHALL NOT BE LESS THAN 4 INCHES.



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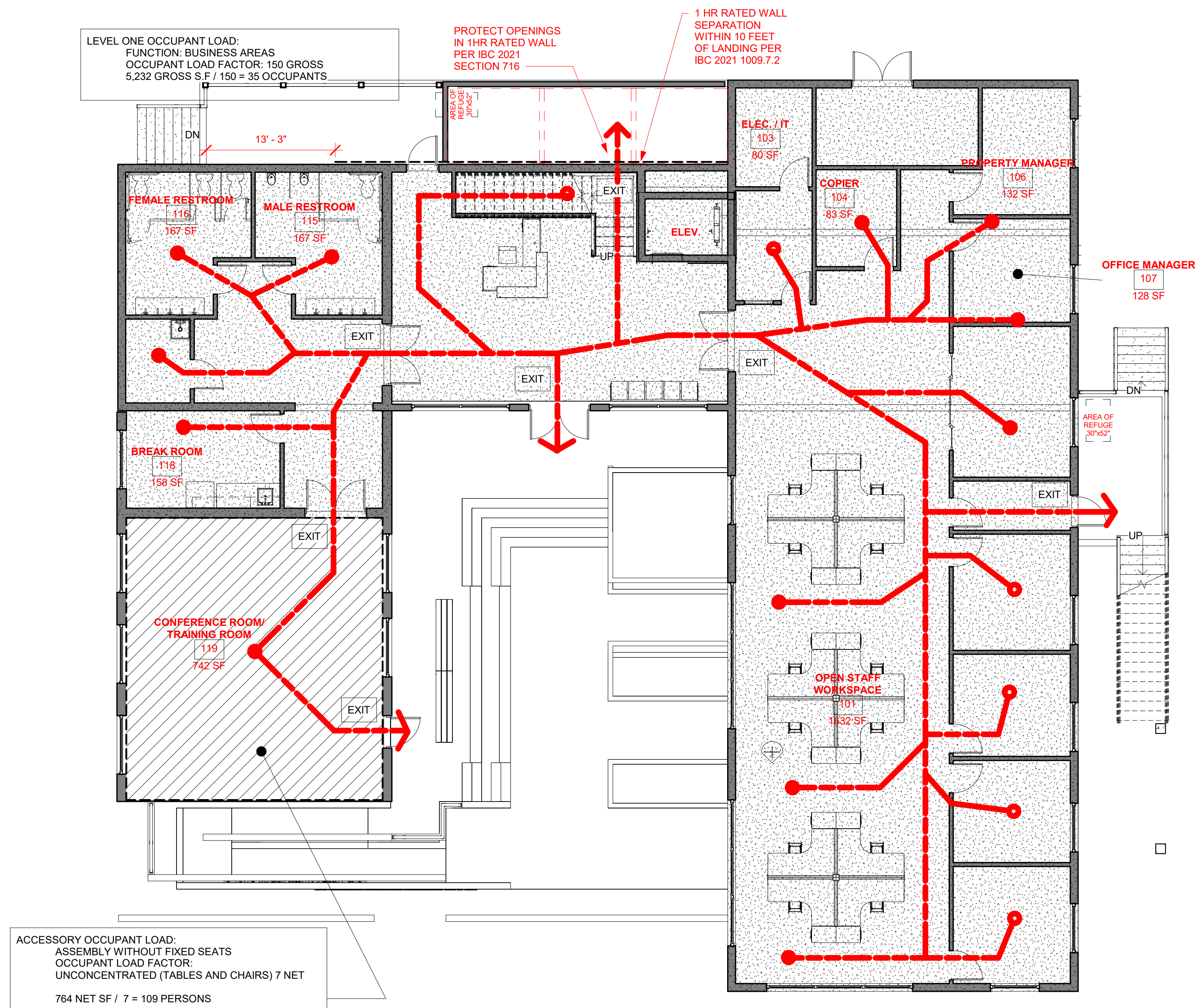
ADMINISTRATIVE BUILDING
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1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
|---------------------|----------------------------|-------------|
| No. | Description | Date |
| 1 | SCHEMATIC DESIGN | 7/25/2021 |
| 2 | DESIGN DEVELOPMENT | 12/10/2021 |
| 3 | CONSTRUCTION DOCUMENTS 50% | 6/03/2022 |
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| REVISIONS | | |
| No. | Description | Date |
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| Project number | | 2021.008.00 |
| Date | | 11/06/2022 |
| Drawn by | | JTB |
| Checked by | | JTB |

BUILDING CODE SUMMARY

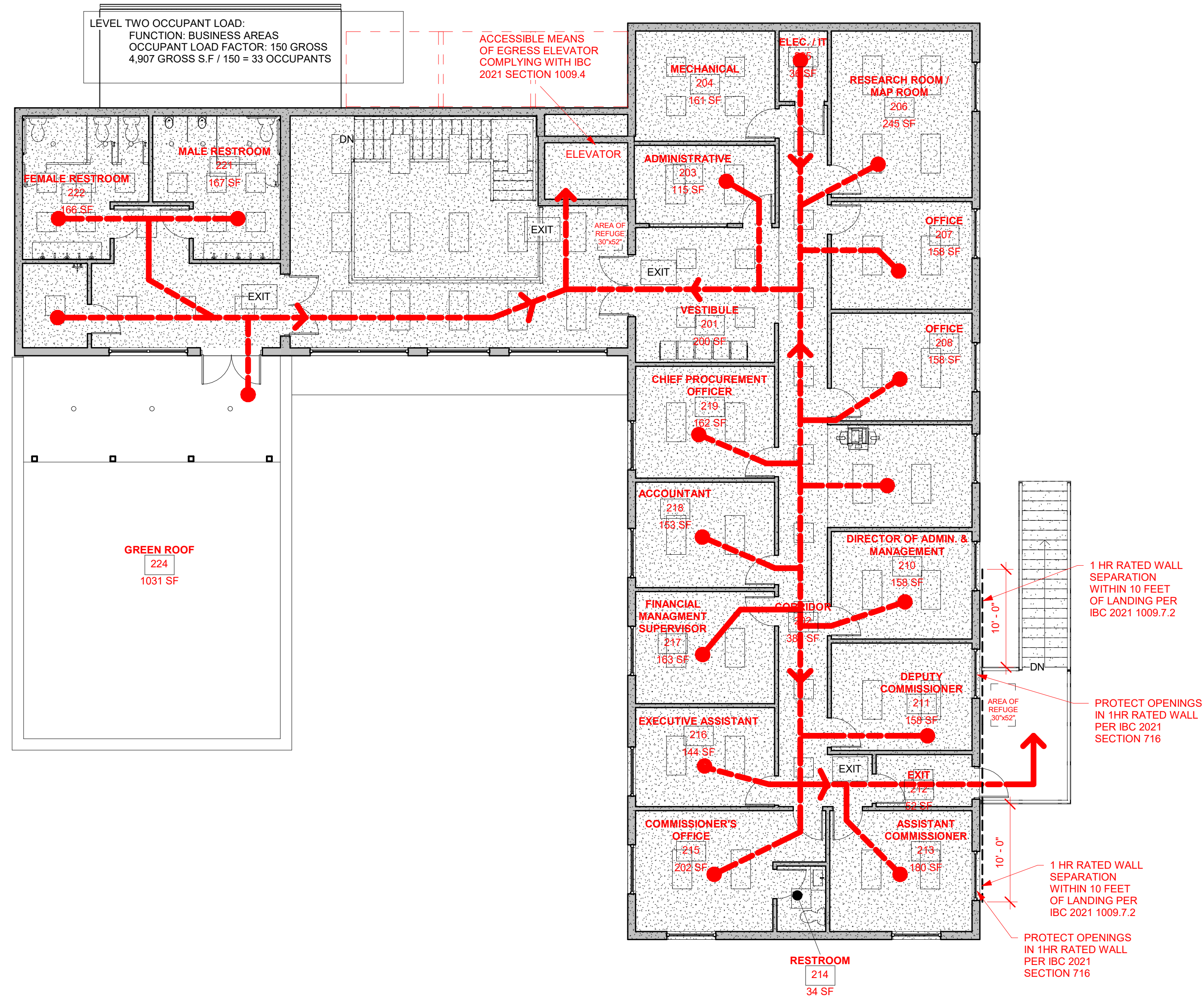
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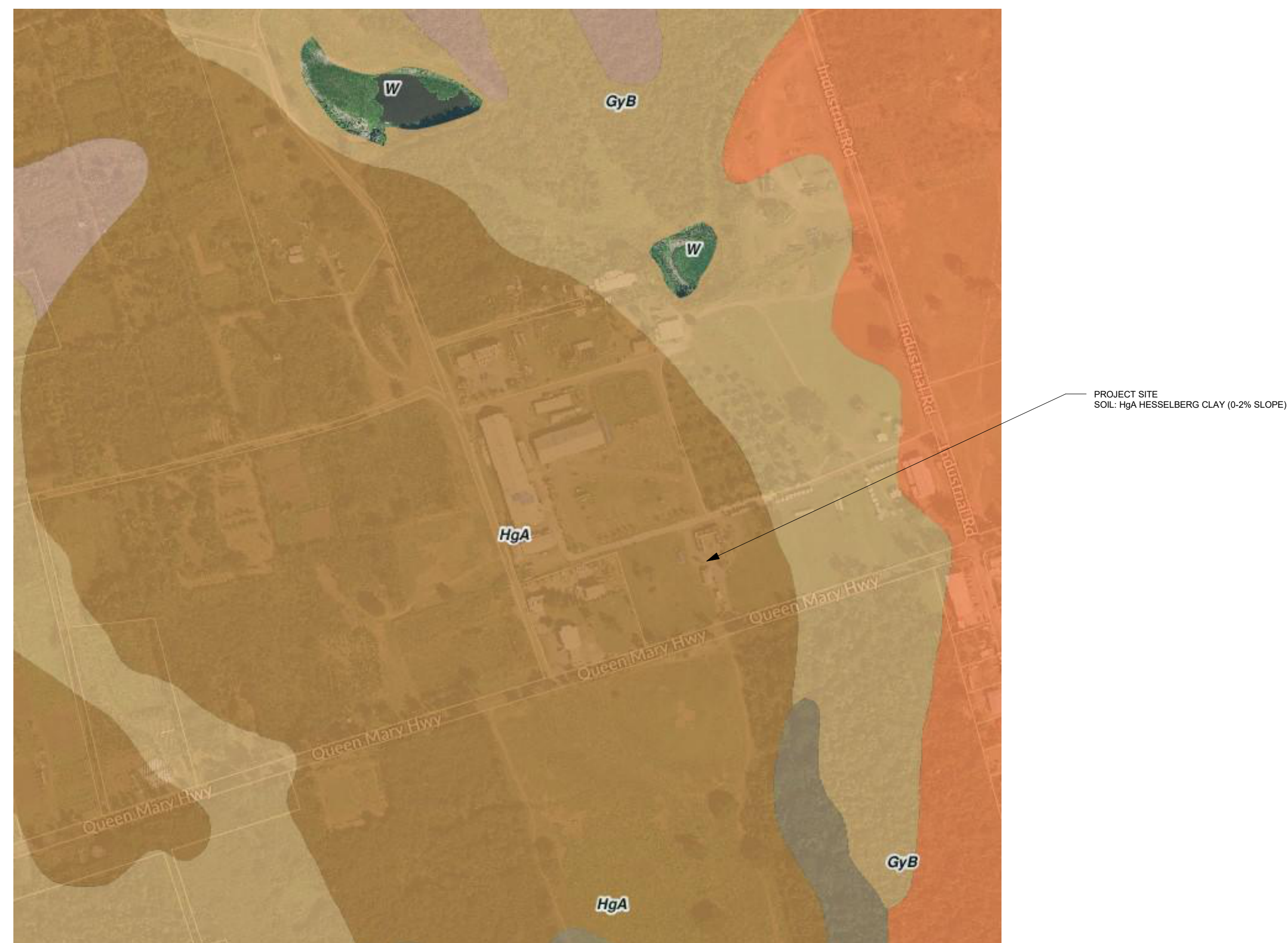
LEVEL ONE BUILDING CODE SUMMARY PLAN

2 $\frac{1}{8}'' = 1'-0''$



LEVEL TWO BUILDING CODE SUMMARY PLAN

3 $\frac{1}{8}'' = 1'-0''$



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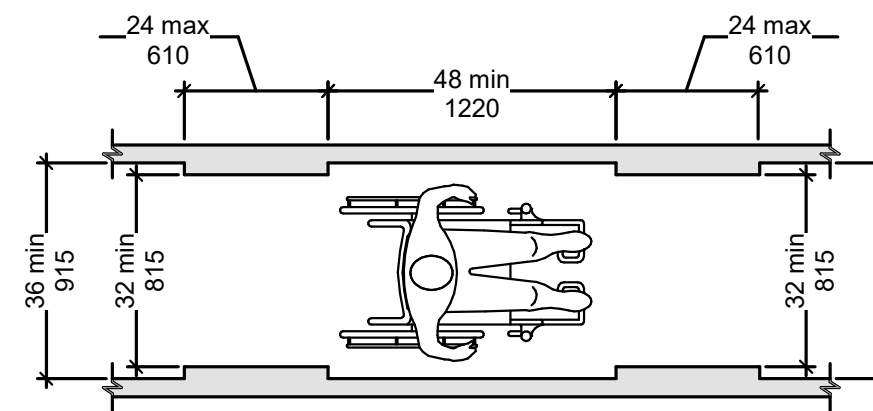
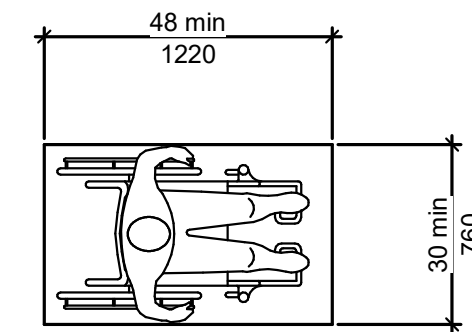
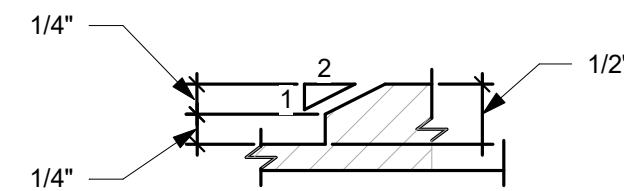
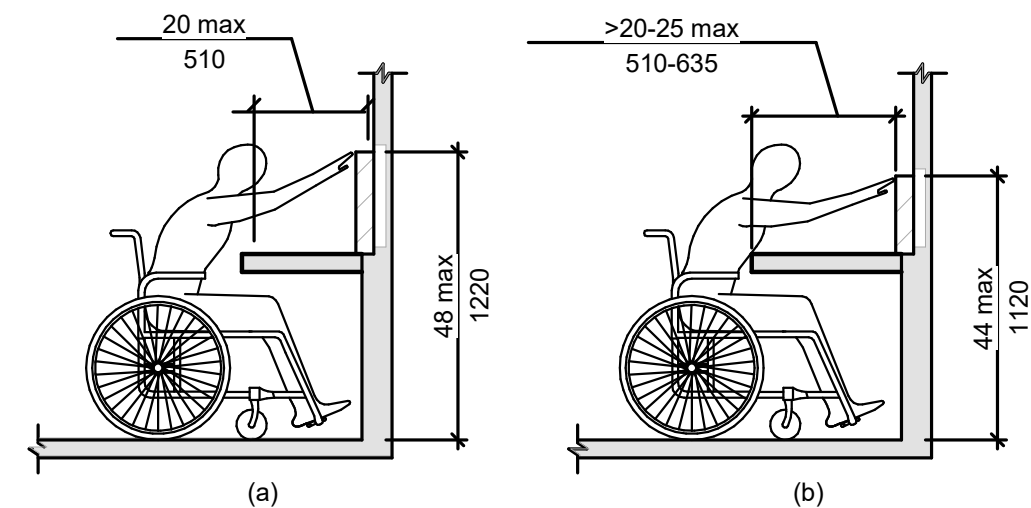
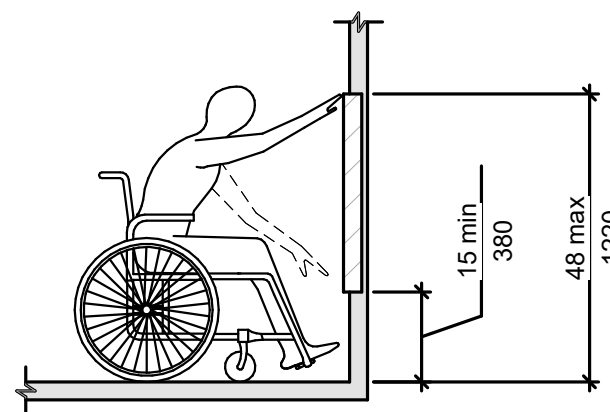
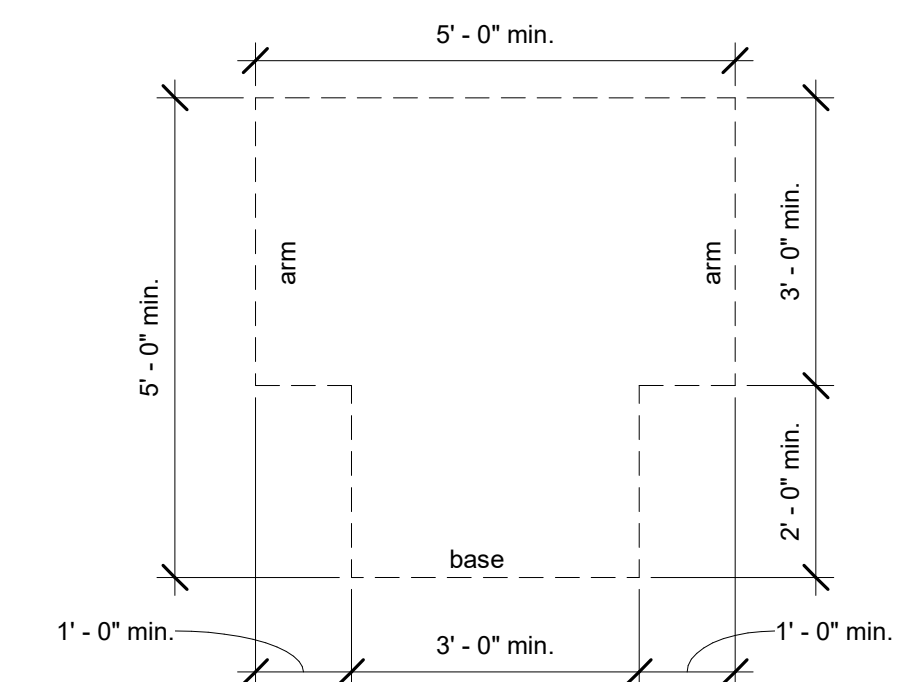
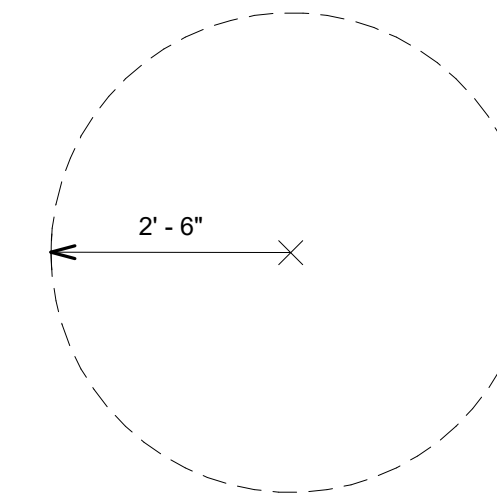
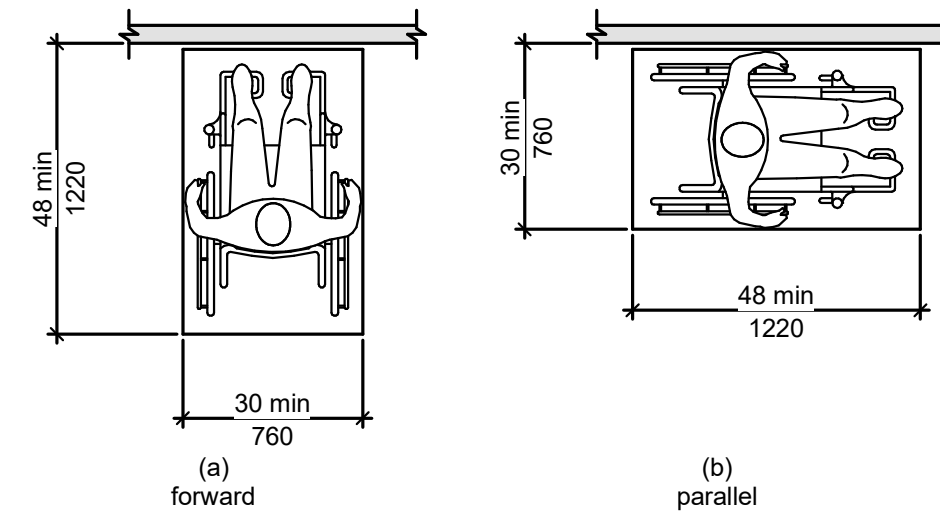
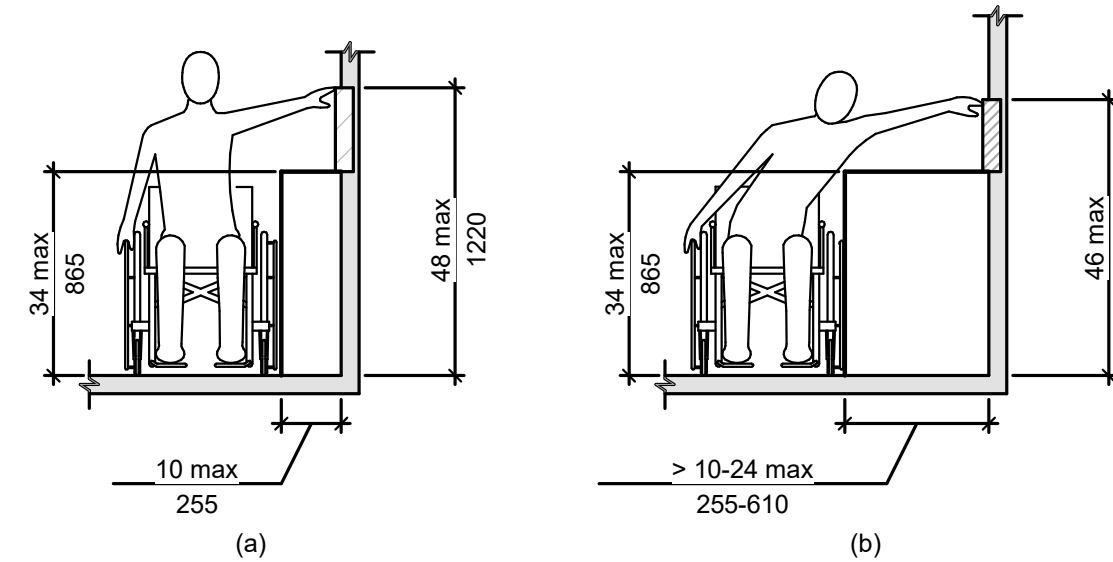
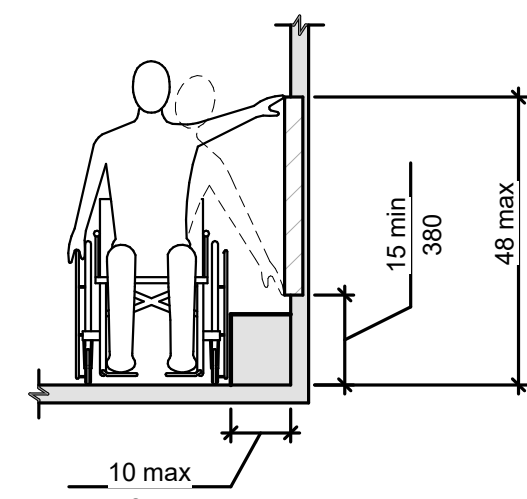
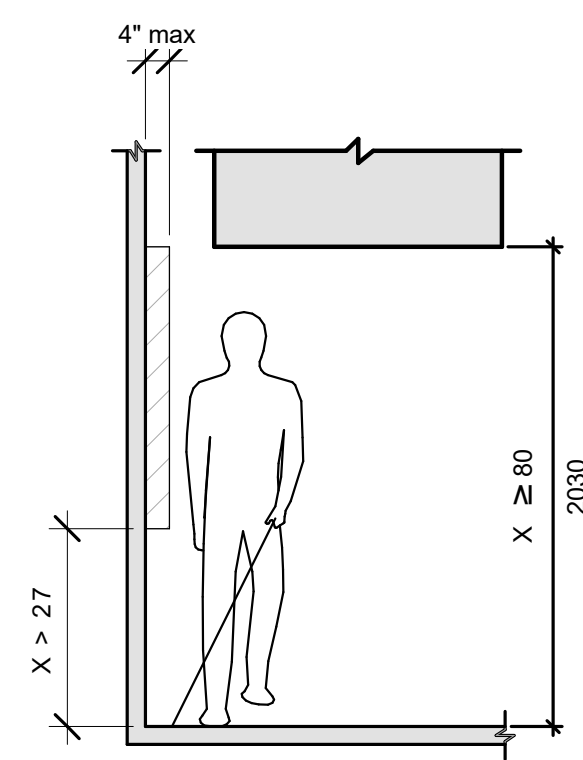
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |

SITE MAPS

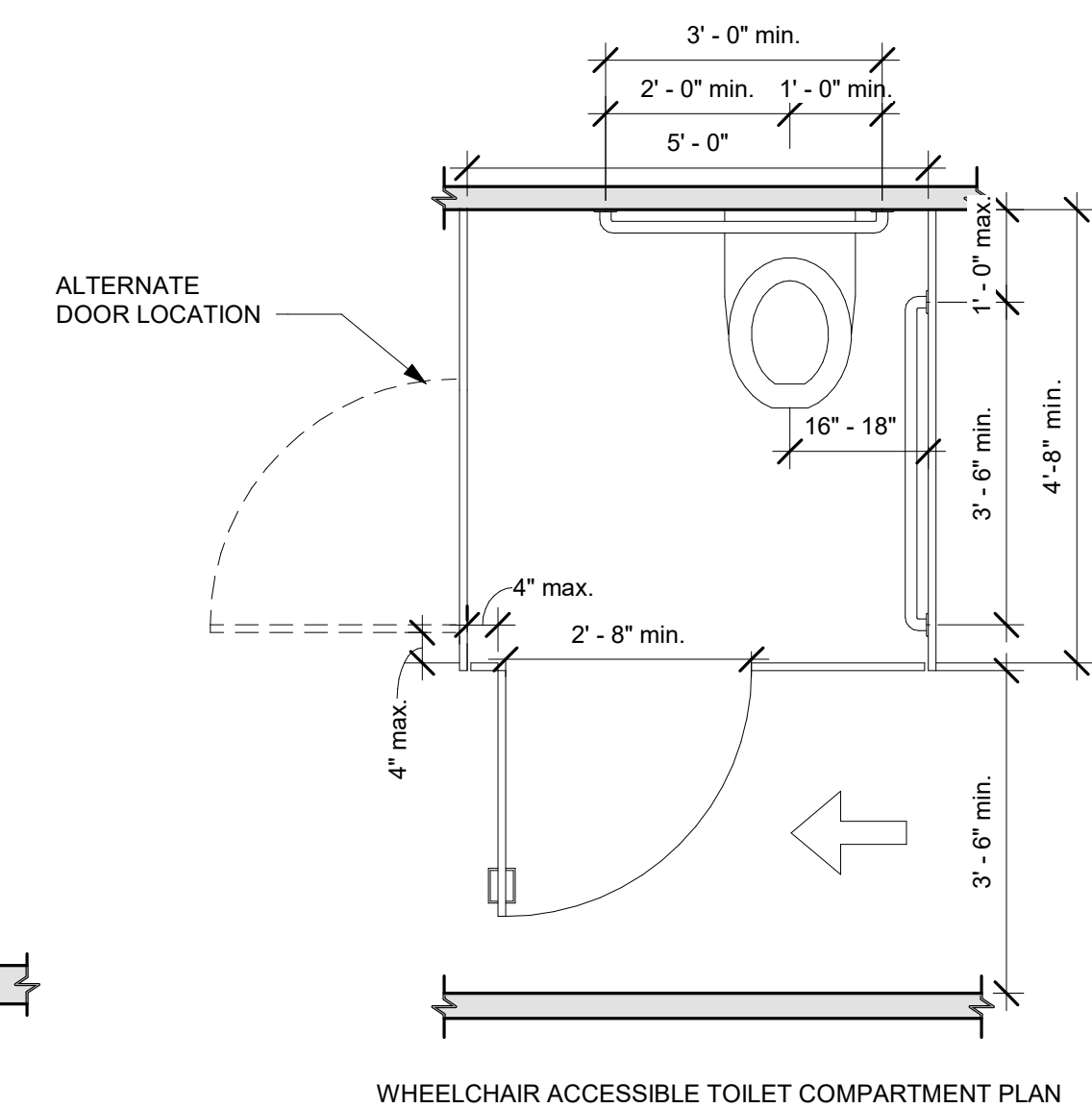
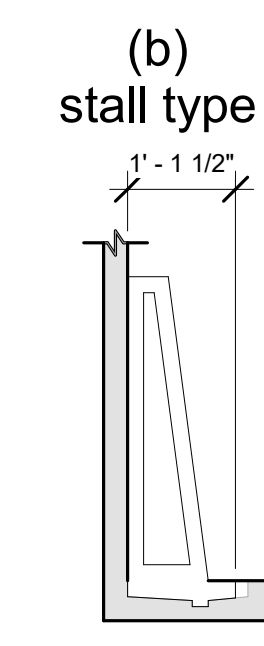
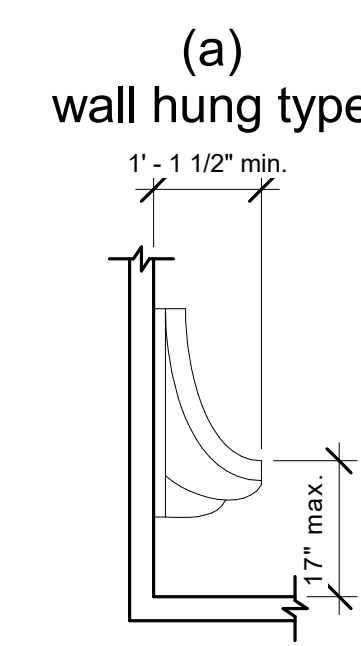
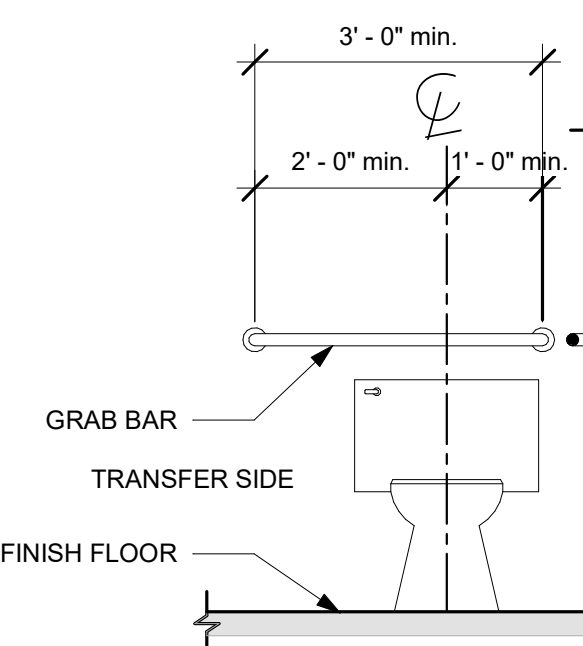
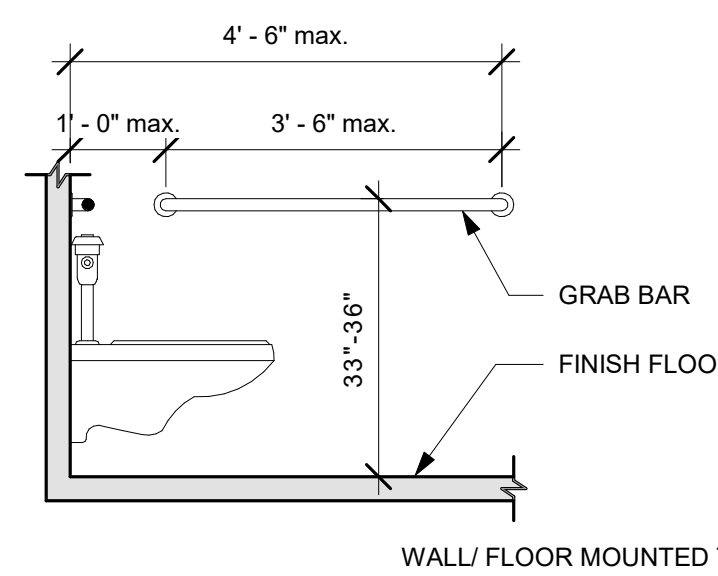
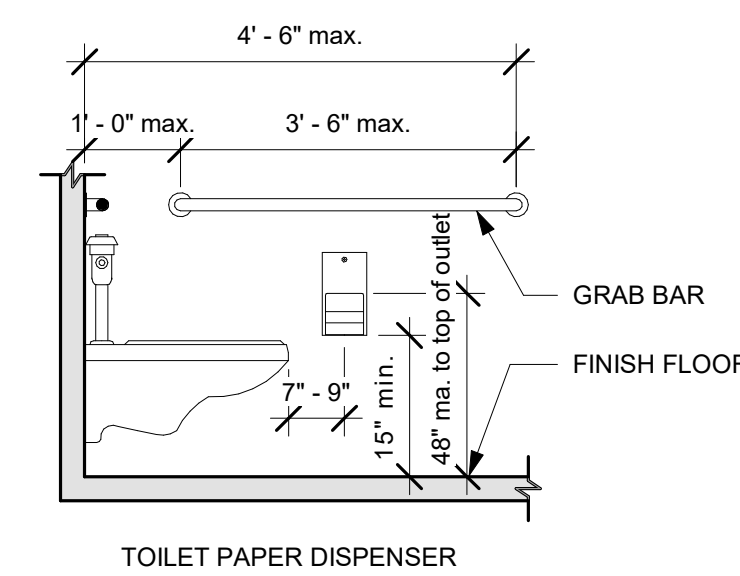
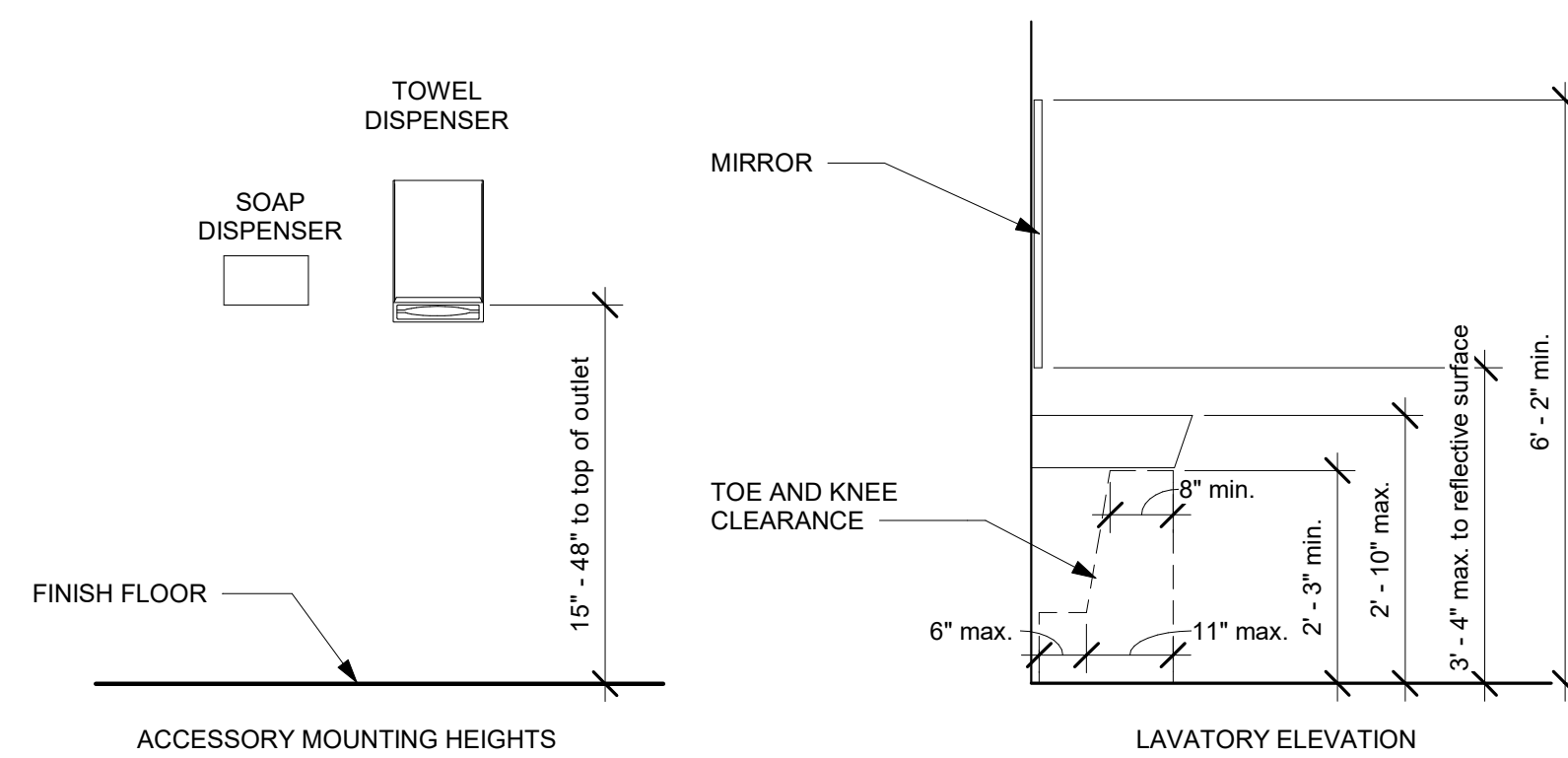
G102

Scale: AS SHOWN

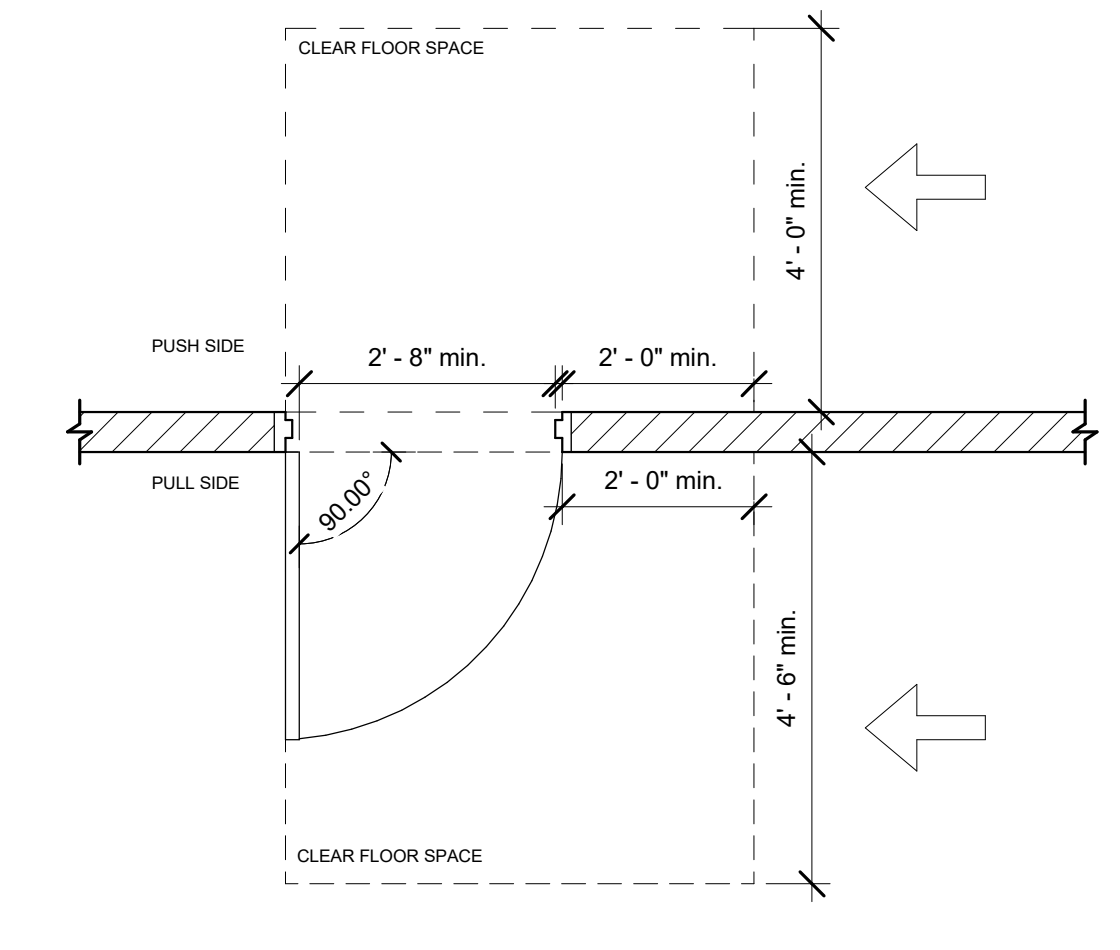
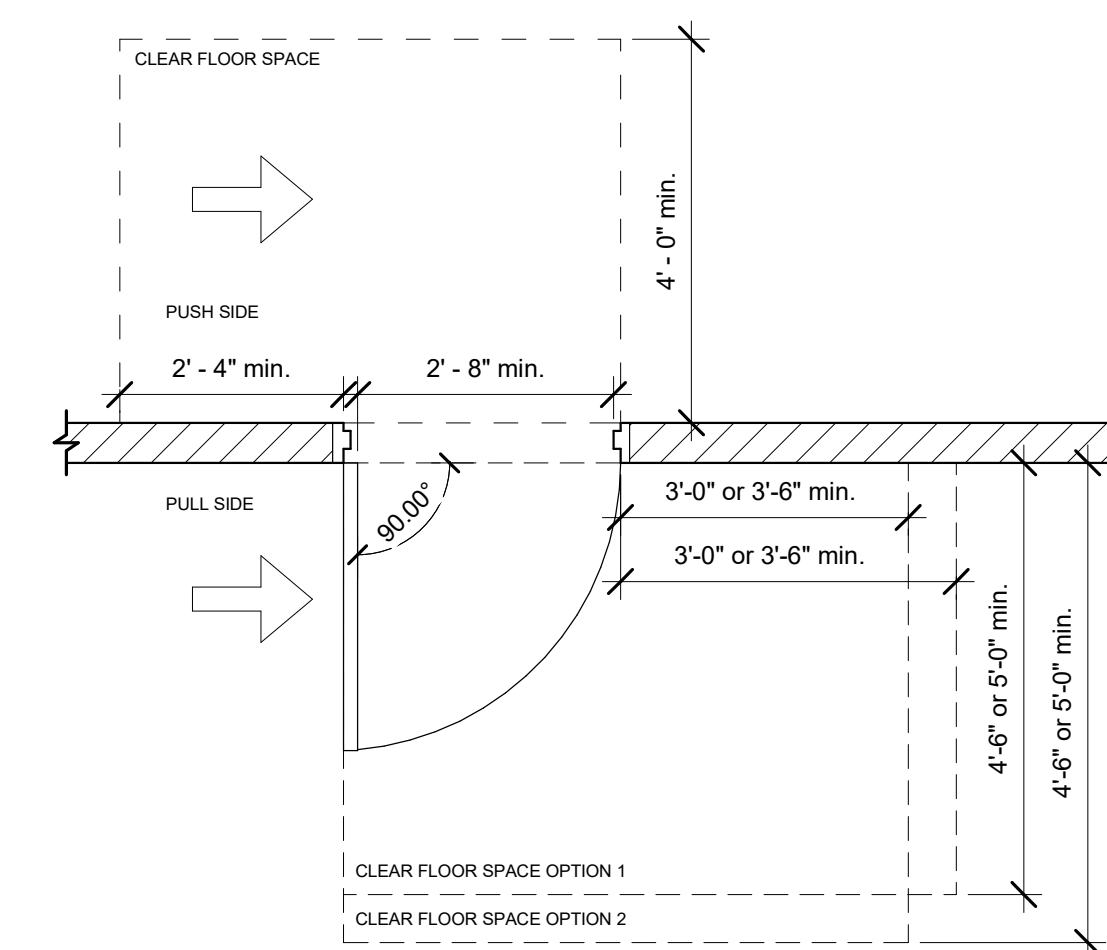
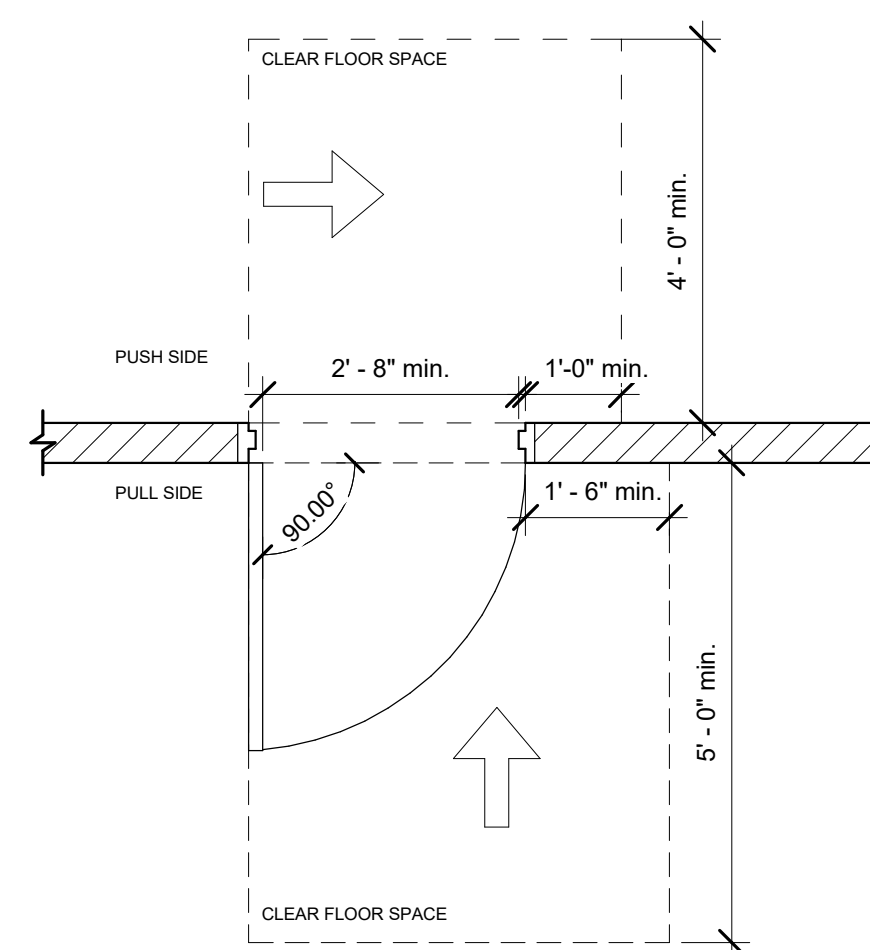
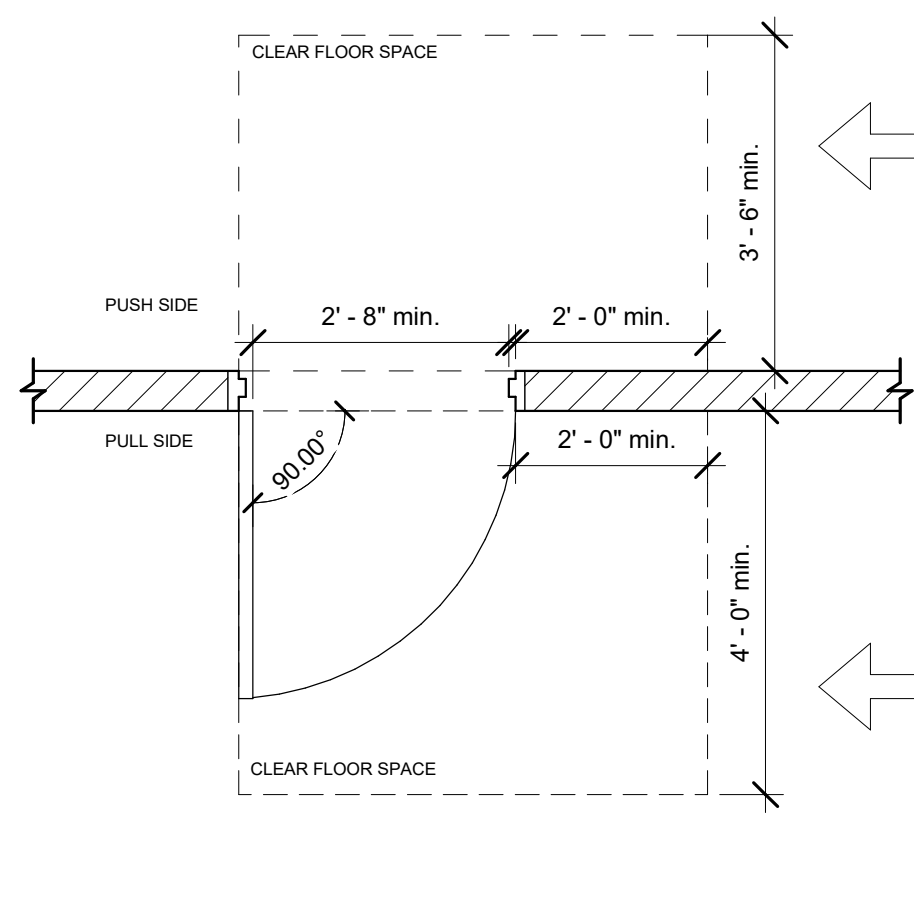
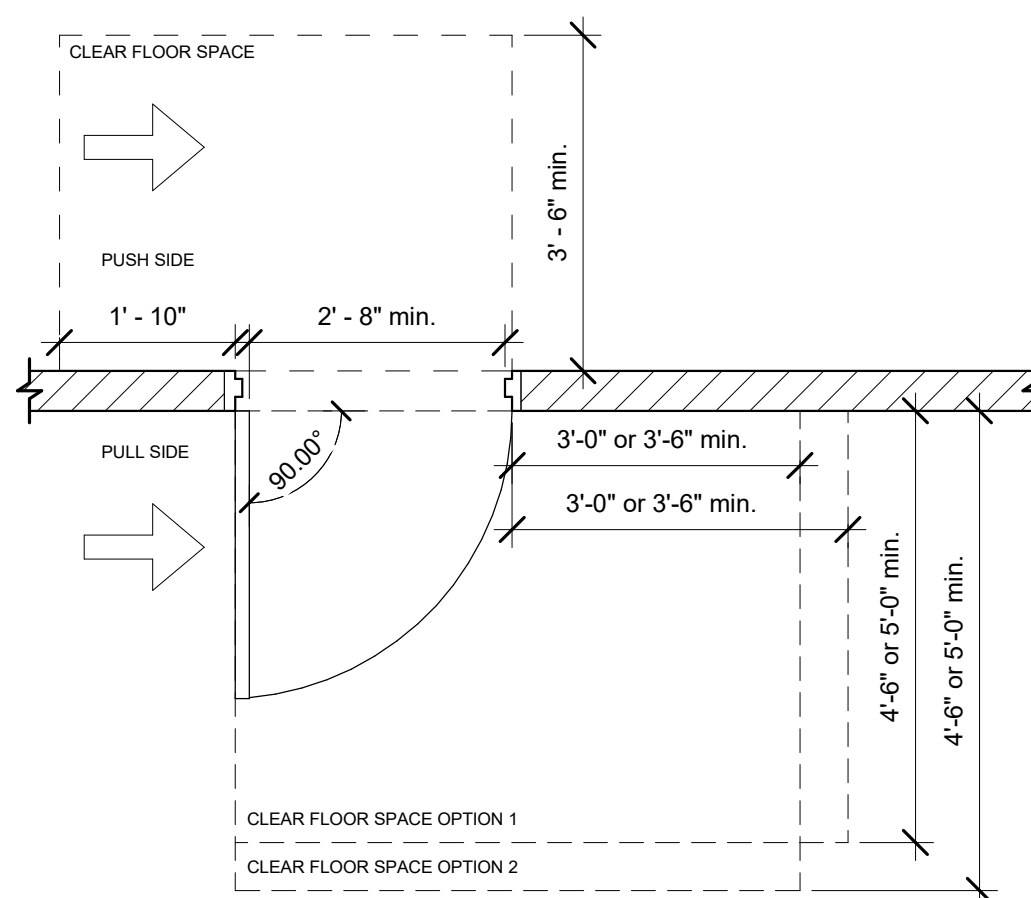
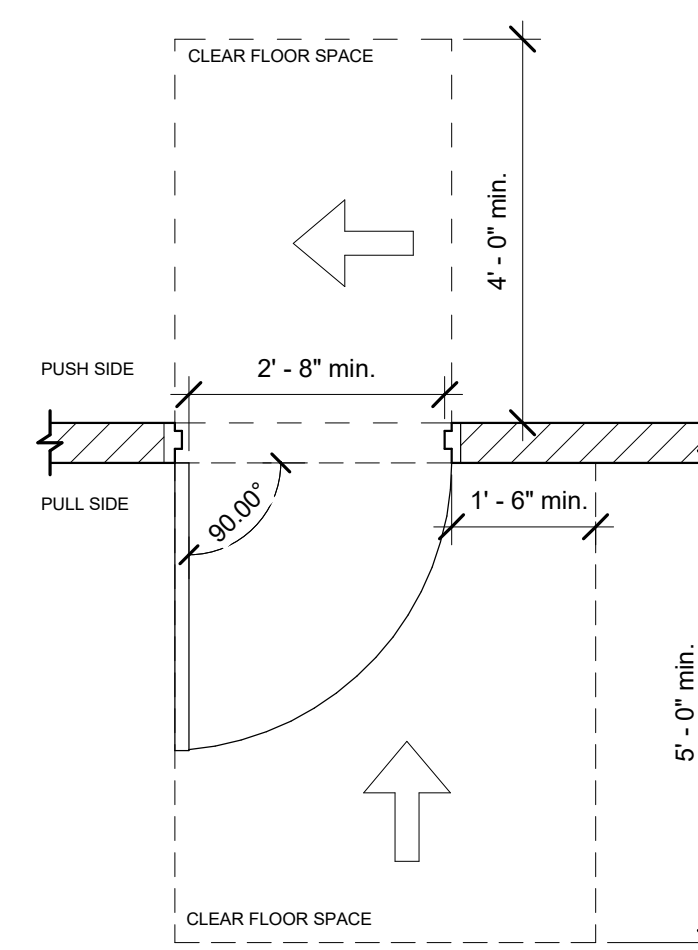


3 FLOOR CLEARANCES
N.T.S.

1 BUILDING BLOCKS
N.T.S.



4 MOUNTING HEIGHTS
N.T.S.

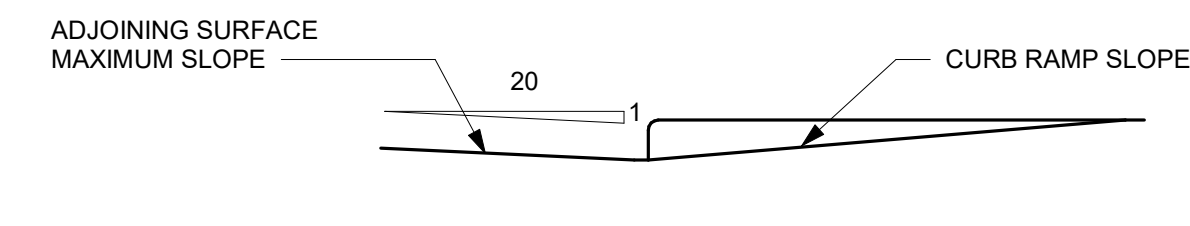
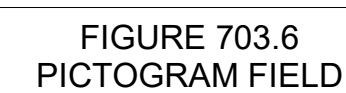
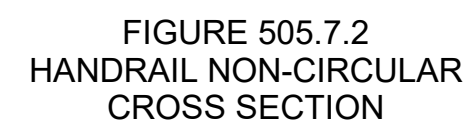
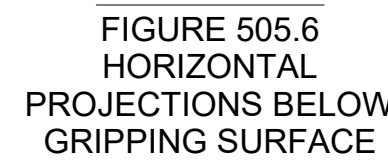
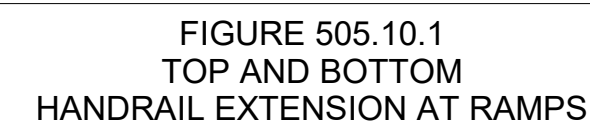
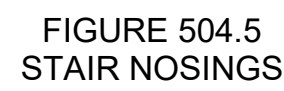
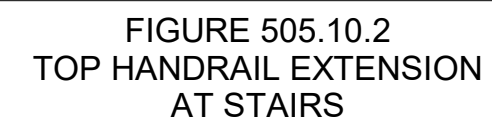


2 DOOR CLEARANCES
N.T.S.

| PROGRESS SET | | |
|--------------|------------------|------------|
| No. | Description | Date |
| 1 | 50% PROGRESS SET | 06/29/2021 |
| 2 | 75% PROGRESS SET | 10/18/2021 |
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |



1 N.T.S.

AGENCY
VIRGIN ISLANDS
DEPARTMENT OF AGRICULTURE
1 Estate Lower Love
St. Croix, VI 00850
phone: (340) 725-5268
website: www.doa.vi.gov

ARCHITECT

BOSCHULTE ARCHITECTURE, LLC

PO Box 303190
St. Thomas, VI 00803

Solberg 19-2
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phone: (340) 777-2375
e-mail: info@boschulte.com
website: www.boschulte.com

ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
|--------------|------------------|------------|
| No. | Description | Date |
| | 50% PROGRESS SET | 06/29/2021 |
| | 75% PROGRESS SET | 10/18/2021 |
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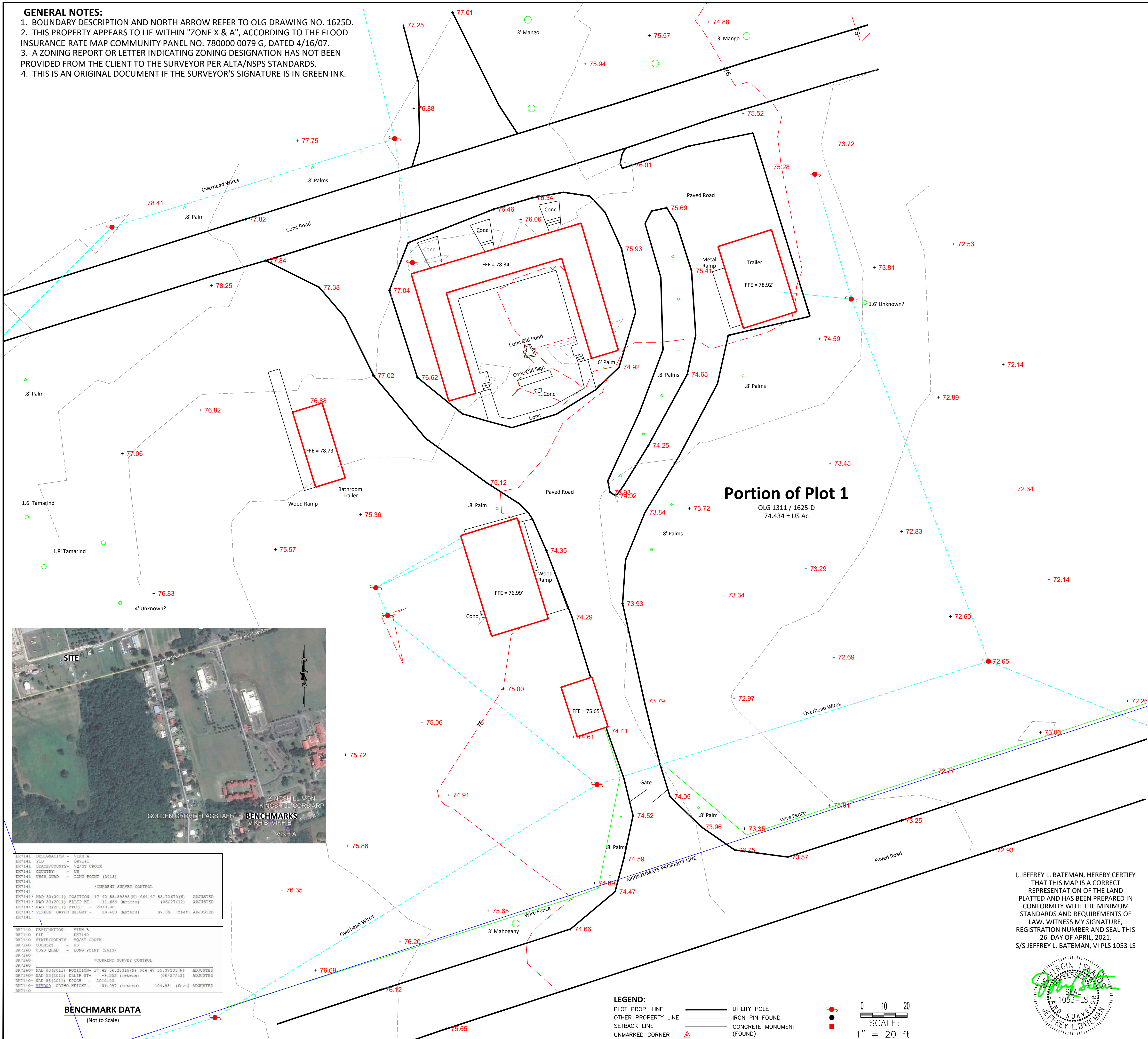
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |

ADA COMPLIANCE AND MOUNTING HEIGHTS

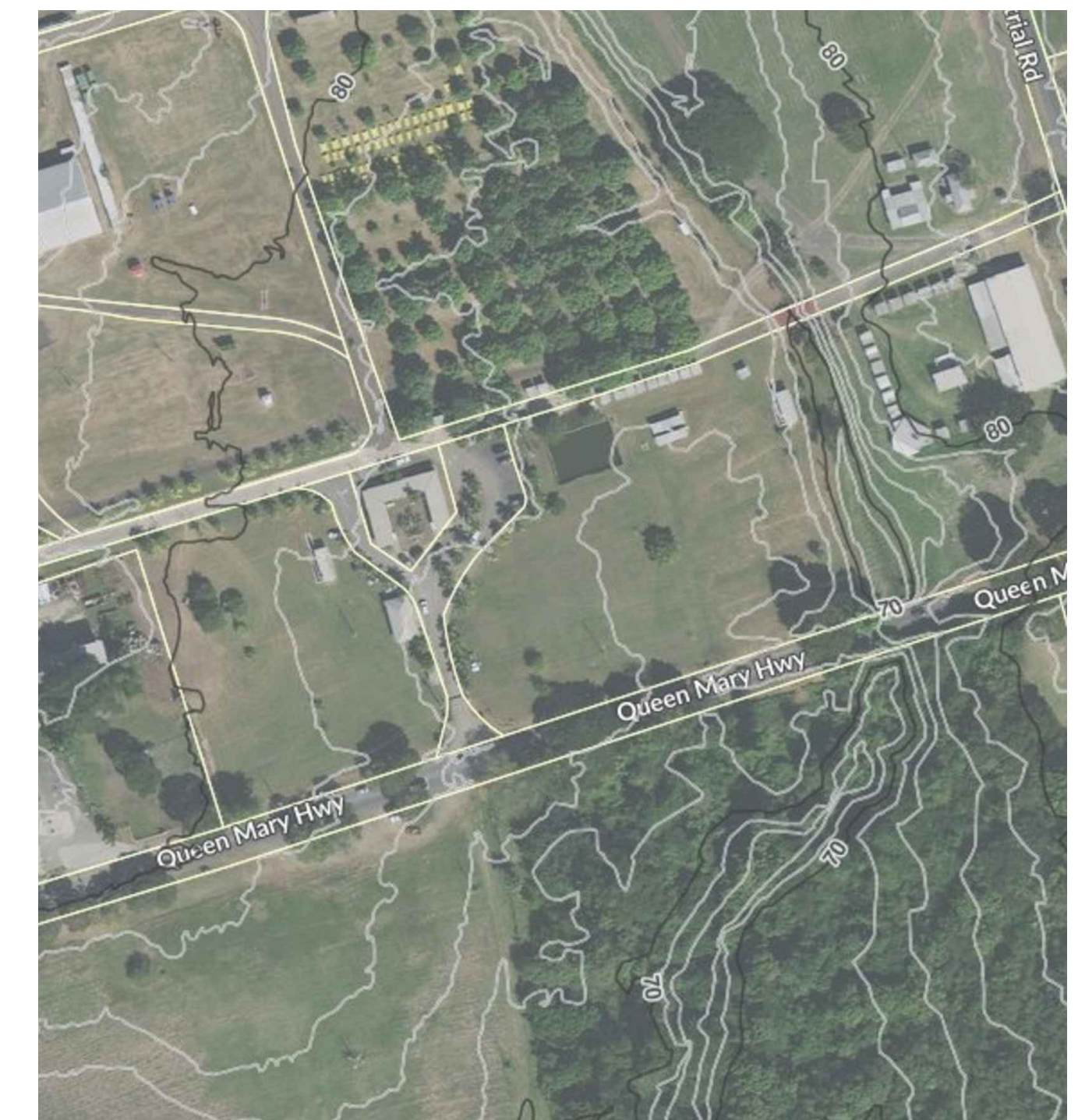
G502

Scale: AS SHOWN

1. BOUNDARY DESCRIPTION AND NORTH ARROW REFER TO OLG DRAWING NO. 1625D.
2. THIS PROPERTY APPEARS TO LIE WITHIN "ZONE X & A", ACCORDING TO THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 780000 0079 G, DATED 4/16/07.
3. A ZONING REPORT OR LETTER INDICATING ZONING DESIGNATION HAS NOT BEEN PROVIDED FROM THE CLIENT TO THE SURVEYOR PER ALTA/NSPS STANDARDS.
4. THIS IS AN ORIGINAL DOCUMENT IF THE SURVEYOR'S SIGNATURE IS IN GREEN INK.



VICINITY MAP
(Not to Scale)

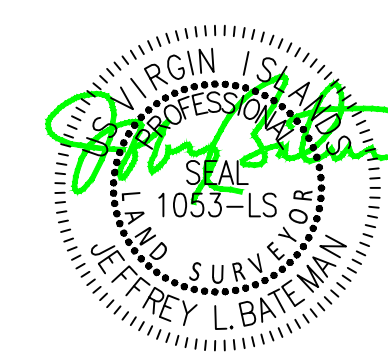


AREA TOPOGRAPHY
(Not to Scale)



PORTIO FEMA PANEL 780000 0079G
(Not to Scale)

I, JEFFREY L. BATEMAN, HEREBY CERTIFY
THAT THIS MAP IS A CORRECT
REPRESENTATION OF THE LAND
PLATTED AND HAS BEEN PREPARED IN
CONFORMITY WITH THE MINIMUM
STANDARDS AND REQUIREMENTS OF
LAW. WITNESS MY SIGNATURE,
REGISTRATION NUMBER AND SEAL THIS
26 DAY OF APRIL, 2021.
S/S JEFFREY L. BATEMAN, VI PLS 1053 LS



THE GREEN PIECE
ENGINEERING + ENVIRONMENT

01-12 Chandler's Wharf, Christlansted, Saint Croix, VI 00820
540-778-7474 www.dosplva.com www.thegreenpiece.us



TOPOGRAPHIC SURVEY

PORTION OF PLOT 1

Queen Quarter
Saint Croix, US Virgin Islands

Designed By:

Drawn By: srb/j

Checked By: JI

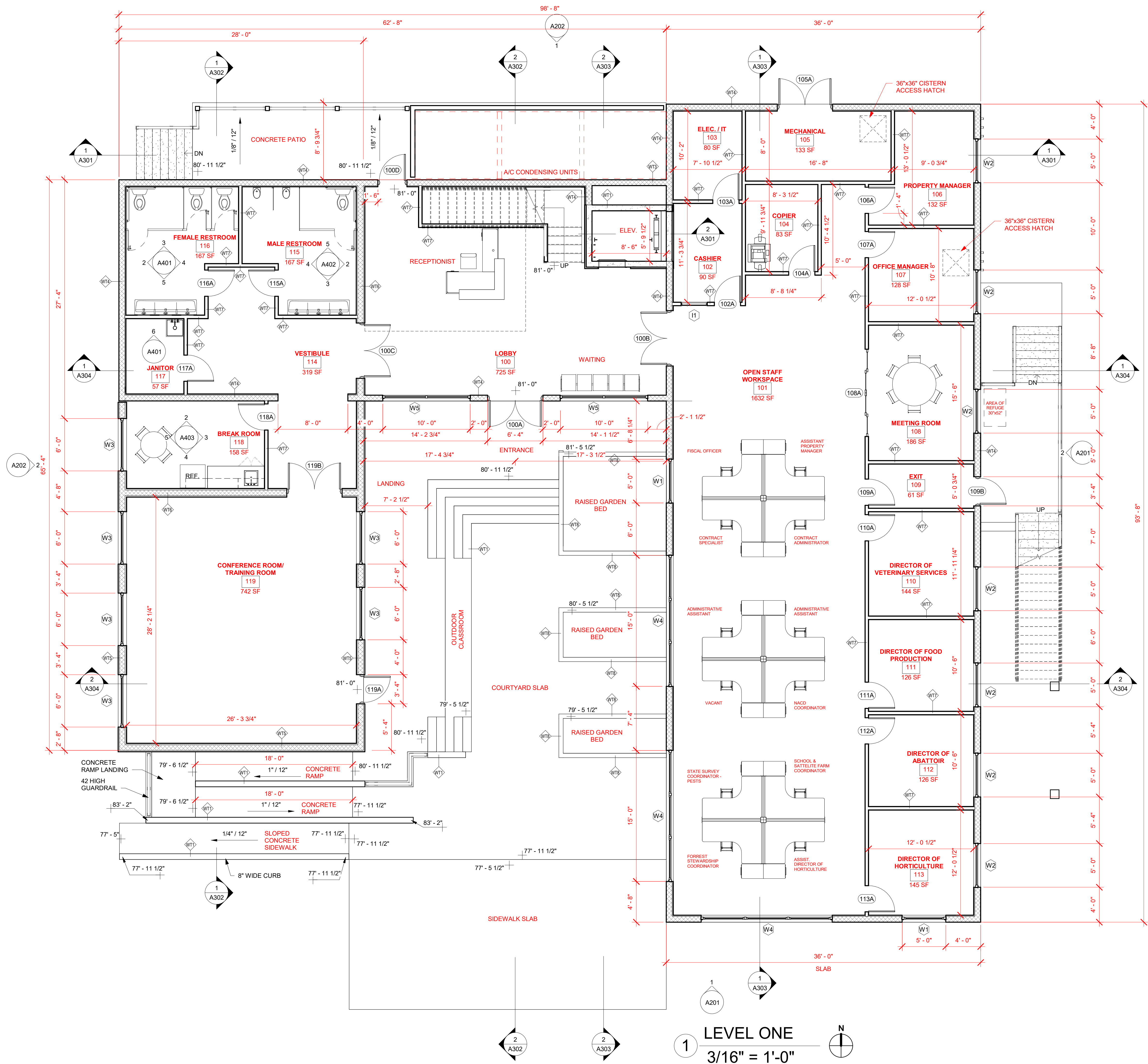
Scale: 1" =

Date: 26 APRIL

Revised:

Project Number:

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ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |

LEVEL ONE FLOOR PLAN

A101

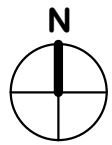
Scale: AS SHOWN



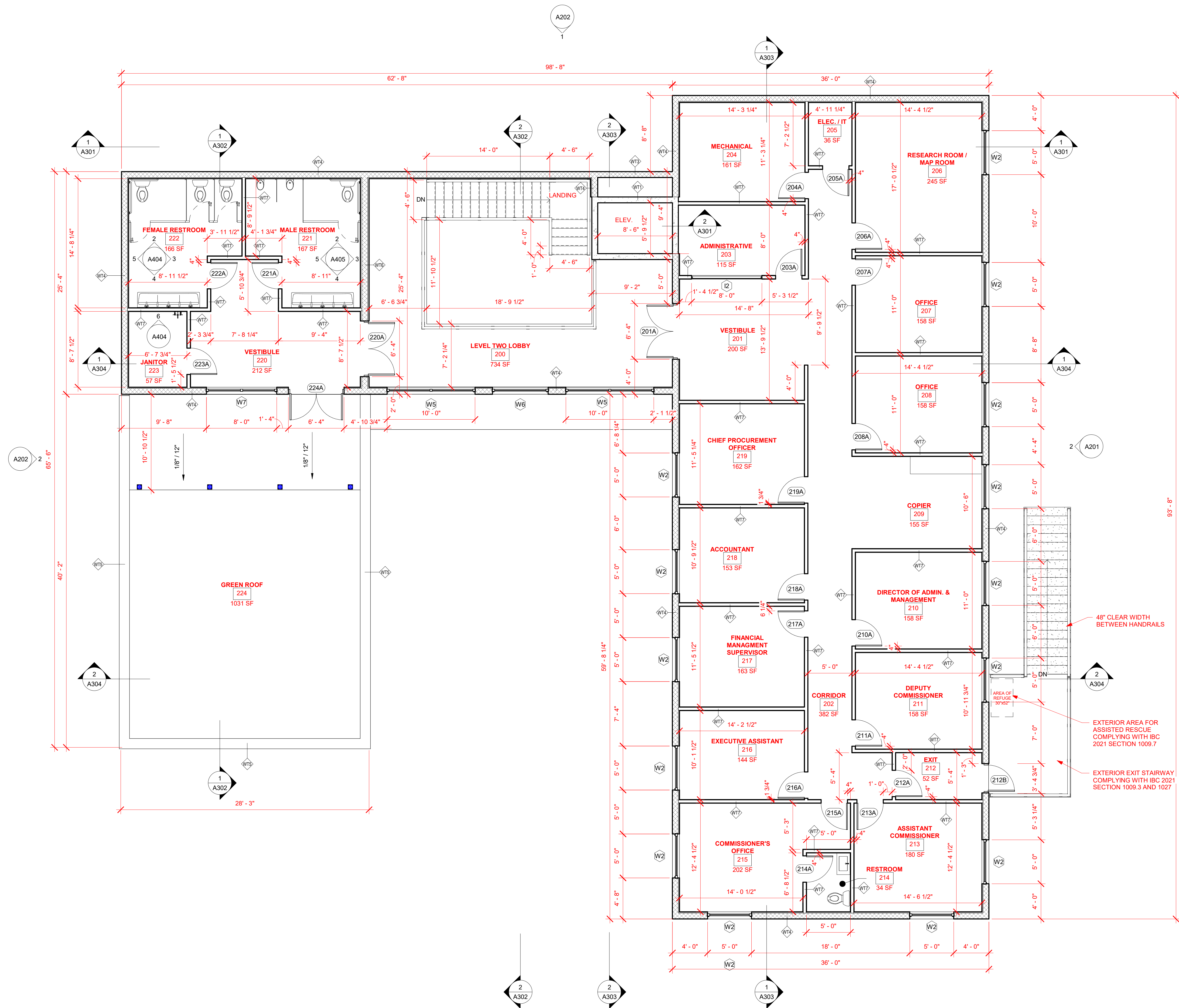
REFLECTED CEILING PLAN LEGEND

- ACT-1: 24"x24"x3/4" LAY-IN FIBERGLASS ACOUSTICAL CEILING TILES WITH 15/16" EXPOSED TEE GRID
- GYPSUM BOARD DROP CEILING ON METAL FURRING
- 2X2 T-GRID RECESSED LED TROFFER LUMINAIRE
- 2X4 T-GRID RECESSED LED TROFFER LUMINAIRE
- 4" DIA. RECESSED LED CAN LIGHT FIXTURE

1 LEVEL ONE REFLECTED CEILING PLAN
3/16" = 1'-0"



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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |



1 LEVEL TWO
3/16" = 1'-0"

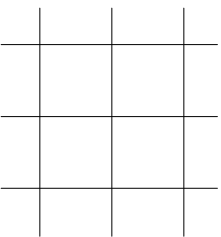
ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
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| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |

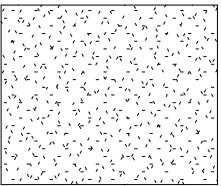
LEVEL TWO FLOOR PLAN



REFLECTED CEILING PLAN LEGEND



ACT-1: 24"x24"x3/4" LAY-IN FIBERGLASS ACOUSTICAL CEILING TILES WITH 15/16" EXPOSED TEE GRID



GYPSUM BOARD DROP CEILING ON METAL FURRING



2X2 T-GRID RECESSED LED TROFFER LUMINAIRE



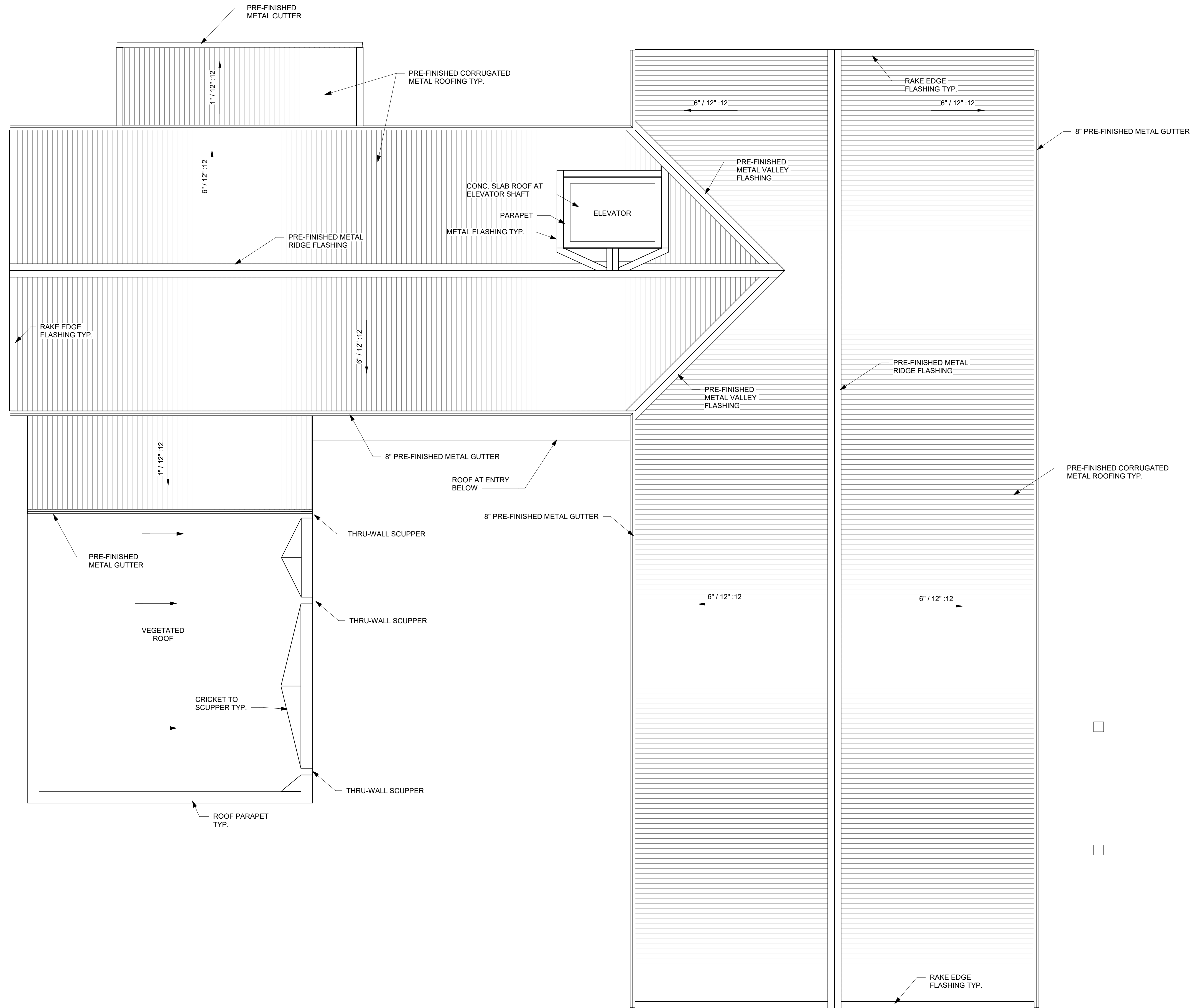
2X4 T-GRID RECESSED LED TROFFER LUMINAIRE



4" DIA. RECESSED LED CAN LIGHT FIXTURE

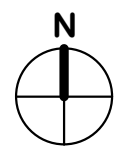
1 LEVEL TWO
3/16" = 1'-0"

| PROGRESS SET | | |
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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |



NOTE: SEE PLUMBING PLANS FOR
DOWNSPOUT LOCATIONS AND SIZES.

1 ROOF PLAN
3/16" = 1'-0"



ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |

| PROGRESS SET | | |
|--------------|-----------------------------|------------|
| No. | Description | Date |
| 1 | SCHEMATIC DESIGN | 7/25/2021 |
| 2 | DESIGN DEVELOPMENT | 12/10/2021 |
| 3 | CONSTRUCTION DOCUMENTS 50% | 6/06/2022 |
| 4 | CONSTRUCTION DOCUMENTS 100% | 7/15/2022 |

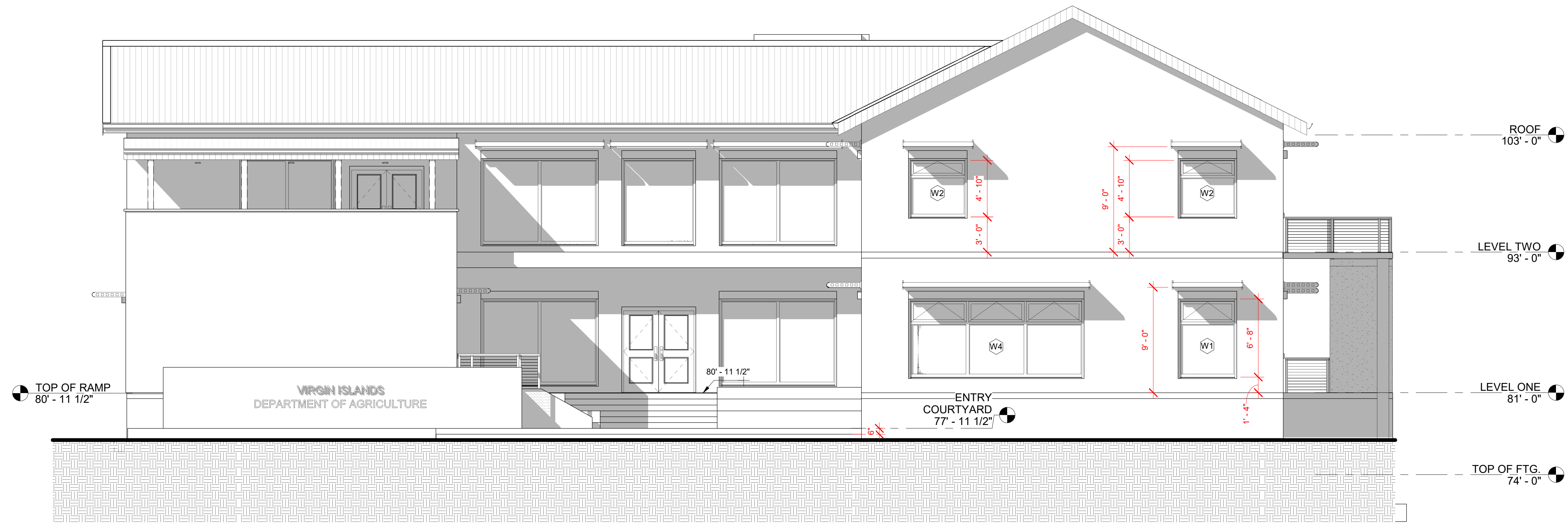
| REVISIONS | | |
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| No. | Description | Date |
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |

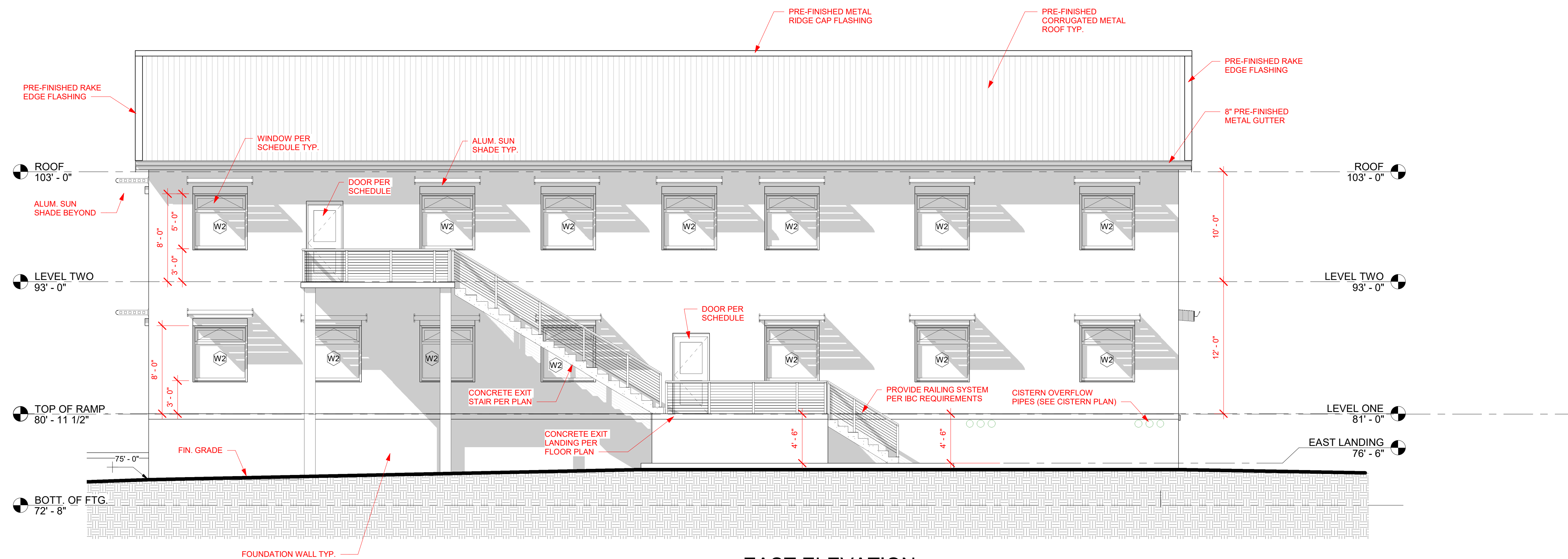
SOUTH ELEVATION & EAST ELEVATION

A201

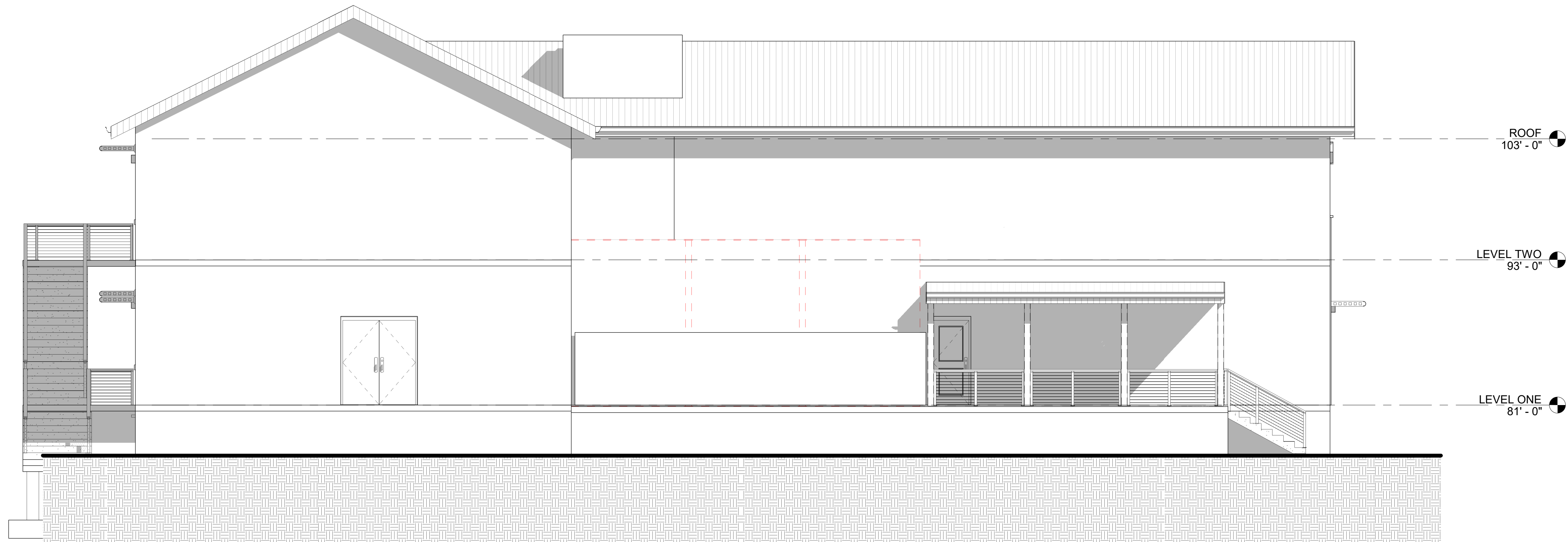
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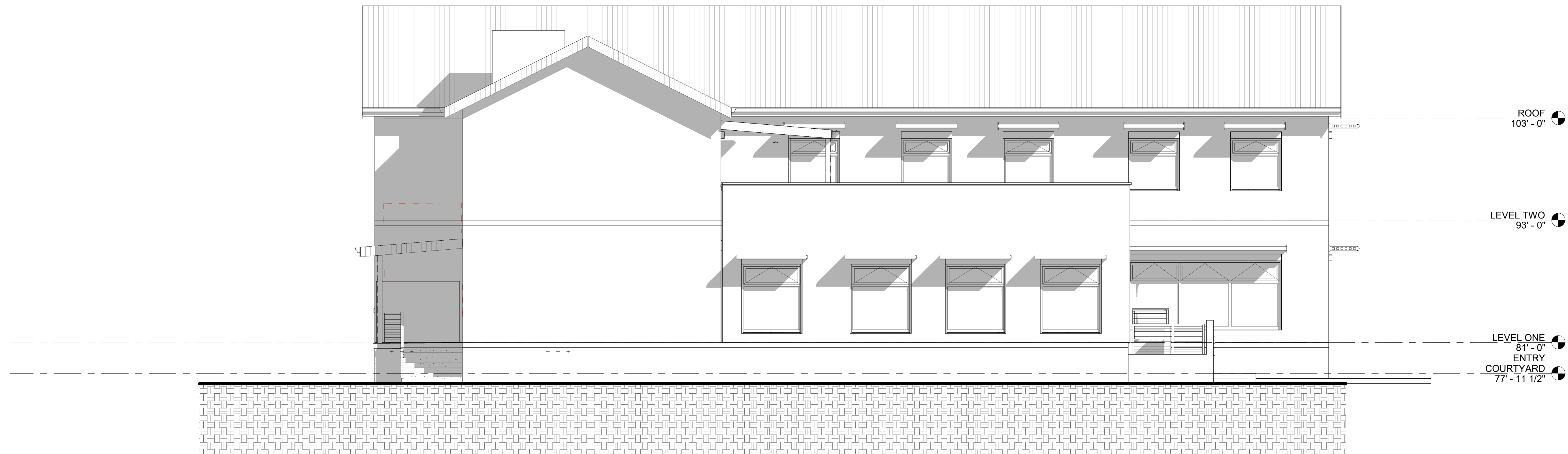
1 SOUTH ELEVATION
3/16" = 1'-0"



2 EAST ELEVATION
3/16" = 1'-0"



1 NORTH ELEVATION
3/16" = 1'-0"



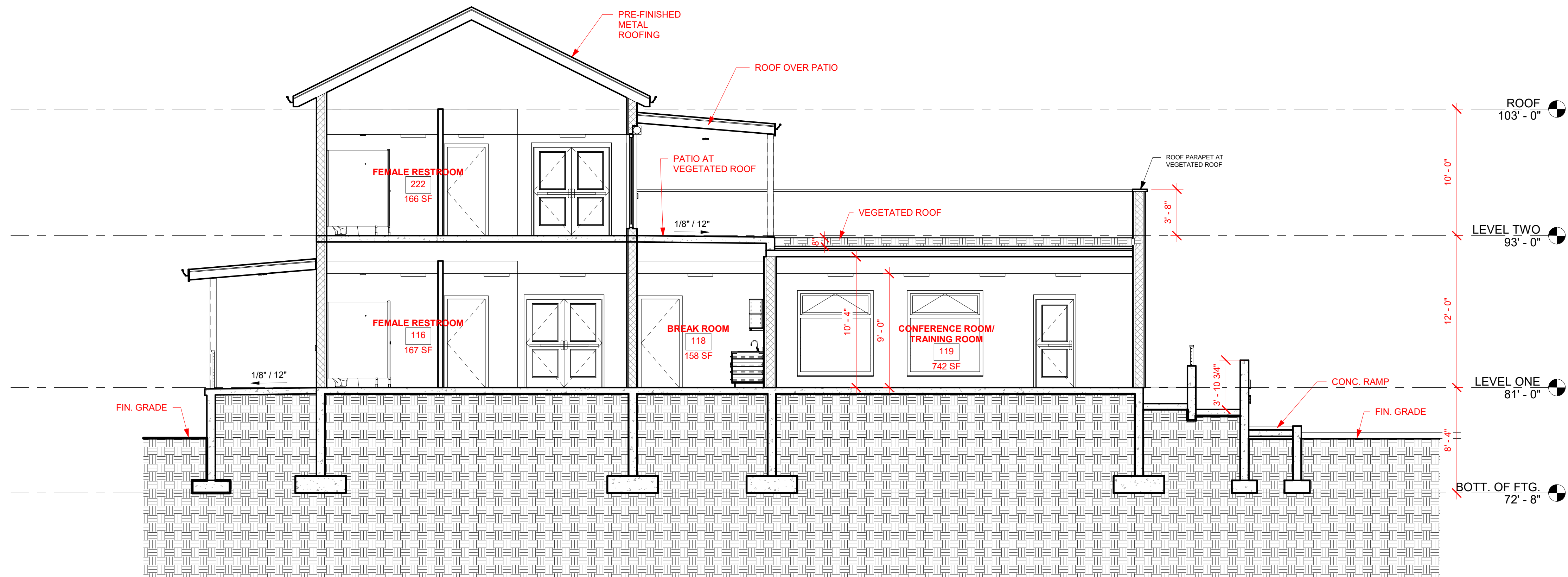
2 WEST ELEVATION
3/16" = 1'-0"

| PROGRESS SET | | |
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| No. | Description | Date |
| 1 | SCHEMATIC DESIGN | 7/25/2021 |
| 2 | DESIGN DEVELOPMENT | 12/10/2021 |
| 3 | CONSTRUCTION DOCUMENTS 50% | 6/03/2022 |
| 4 | CONSTRUCTION DOCUMENTS 100% | 7/15/2022 |

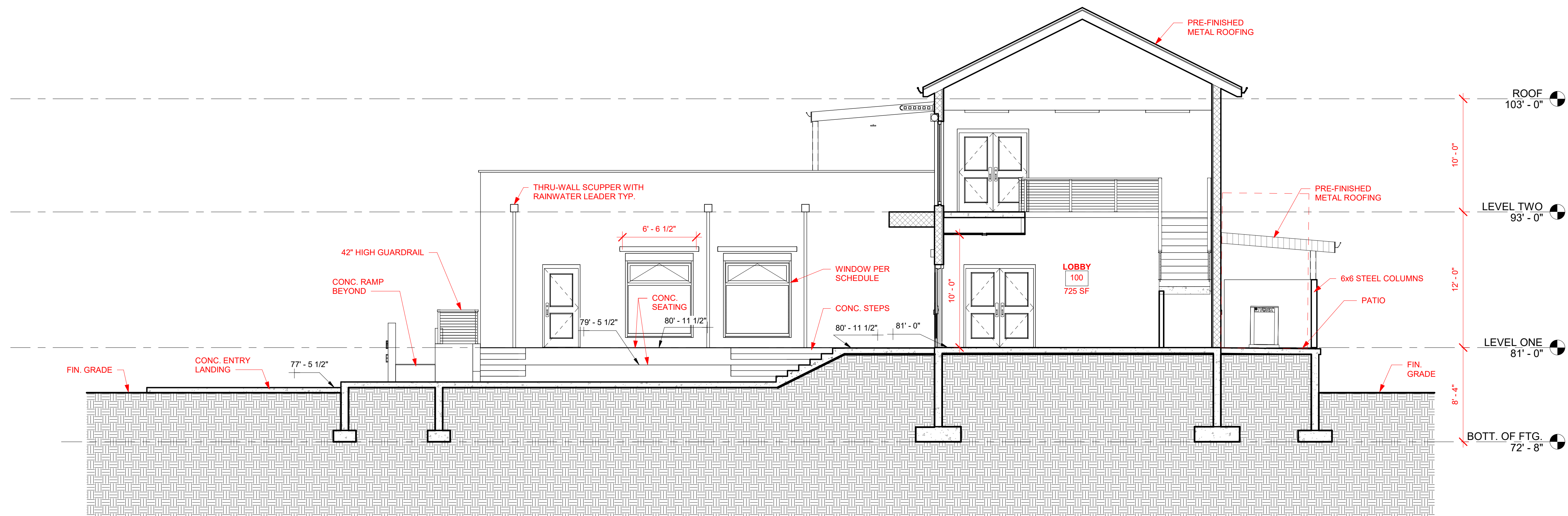
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |





1 BUILDING SECTION A-A
3/16" = 1'-0"

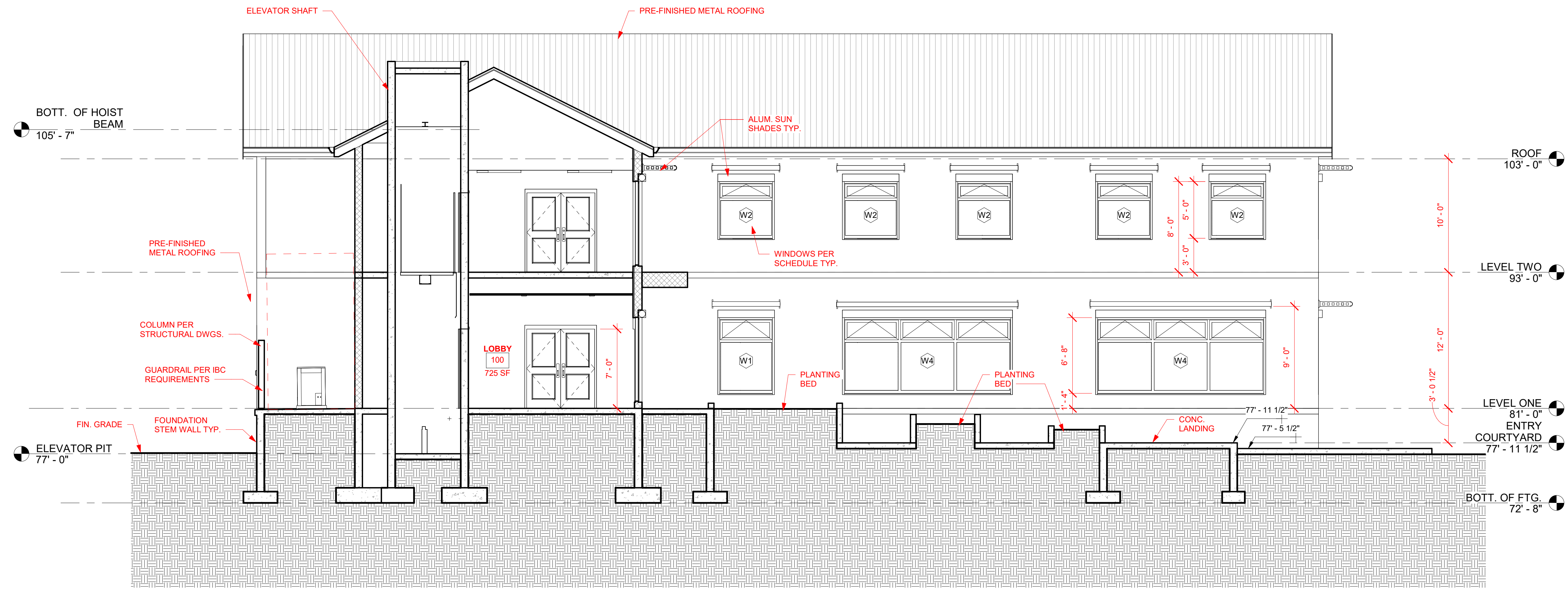


2 BUILDING SECTION B-B
3/16" = 1'-0"

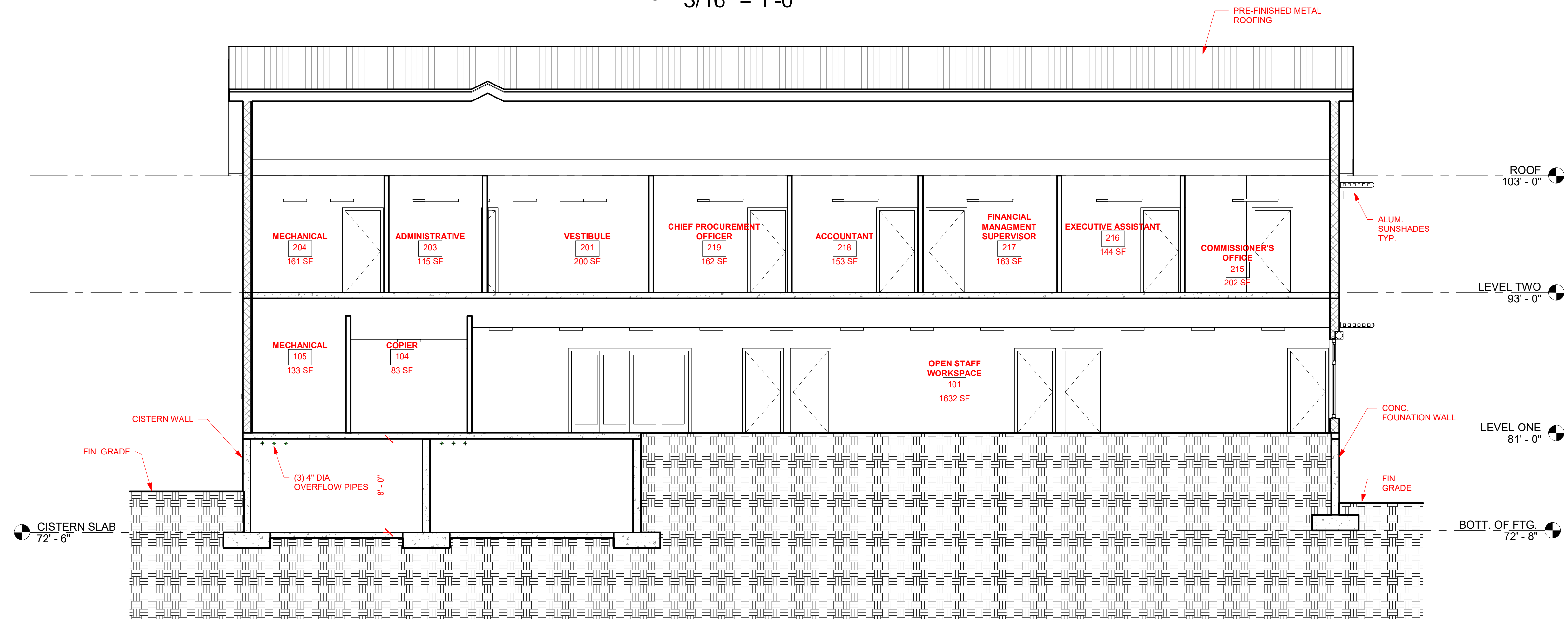
| PROGRESS SET | | |
|--------------|----------------------------|------------|
| No. | Description | Date |
| 1 | SCHEMATIC DESIGN | 7/25/2021 |
| 2 | DESIGN DEVELOPMENT | 12/10/2021 |
| 3 | CONSTRUCTION DOCUMENTS 50% | 1/14/2022 |

| REVISIONS | | |
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
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2 BUILDING SECTION C-C
3/16" = 1'-0"



1 BUILDING SECTION D-D
3/16" = 1'-0"

| PROGRESS SET | | |
|--------------|-----------------------------|------------|
| No. | Description | Date |
| 1 | SCHEMATIC DESIGN | 7/25/2021 |
| 2 | DESIGN DEVELOPMENT | 12/10/2021 |
| 3 | CONSTRUCTION DOCUMENTS 50% | 6/03/2022 |
| 4 | CONSTRUCTION DOCUMENTS 100% | 7/19/2022 |

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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |

| PROGRESS SET | | |
|--------------|----------------------------|------------|
| No. | Description | Date |
| 1 | SCHEMATIC DESIGN | 7/25/2021 |
| 2 | DESIGN DEVELOPMENT | 12/10/2021 |
| 3 | CONSTRUCTION DOCUMENTS 50% | 1/14/2022 |

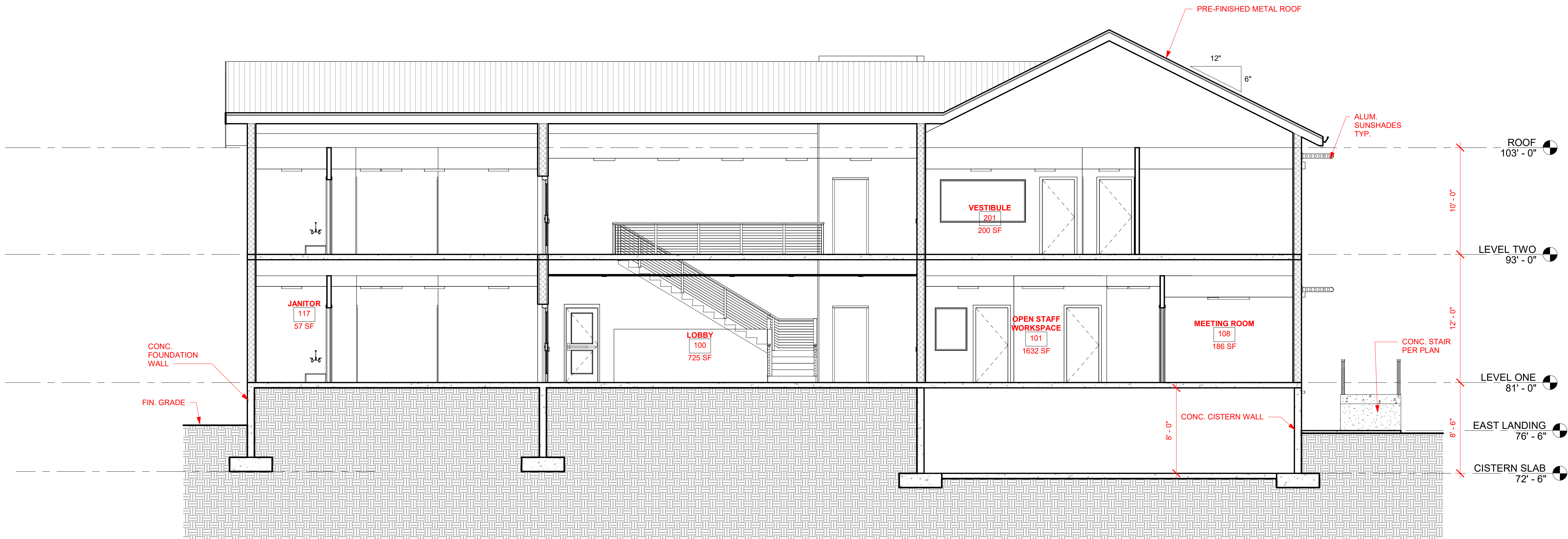
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| Project number | 2021.008.00 |
| Date | 11/06/2022 |
| Drawn by | JTB |
| Checked by | JTB |

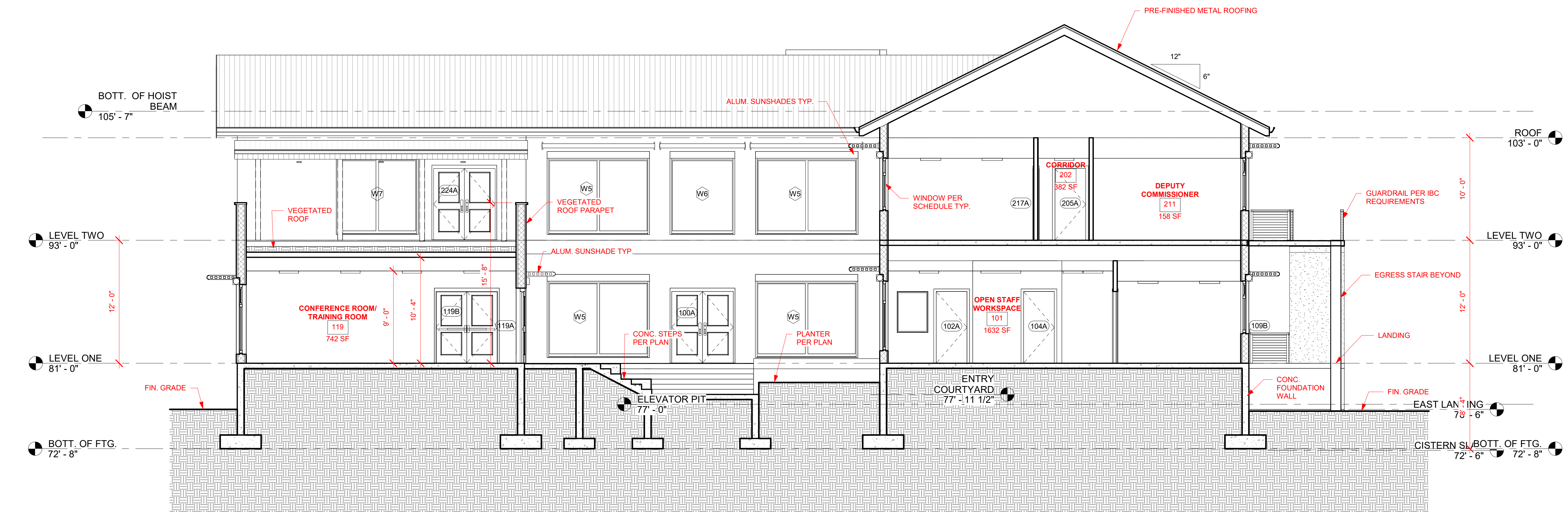
BUILDING SECTIONS

A304

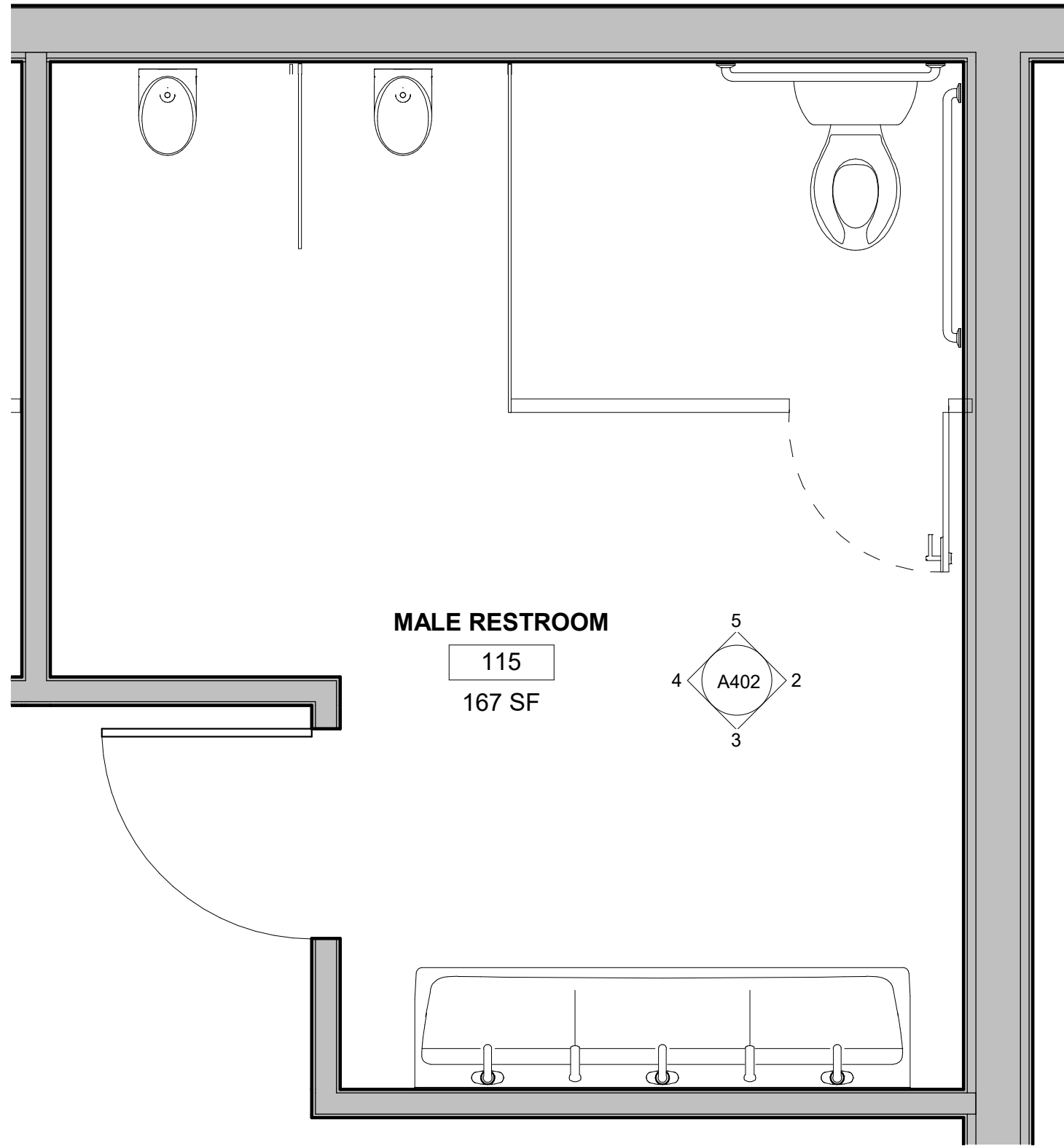
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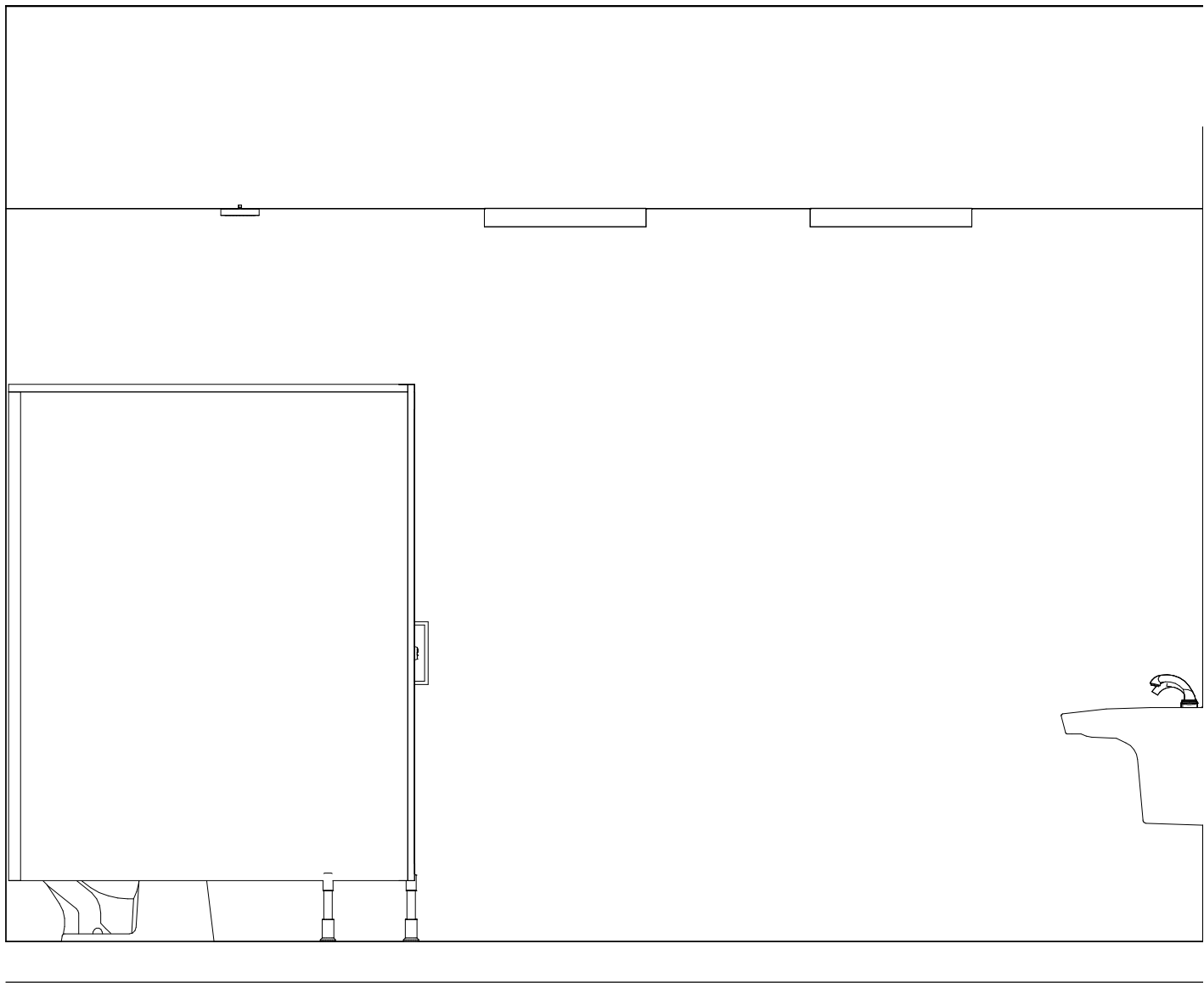
1 BUILDING SECTION E-E
3/16" = 1'-0"



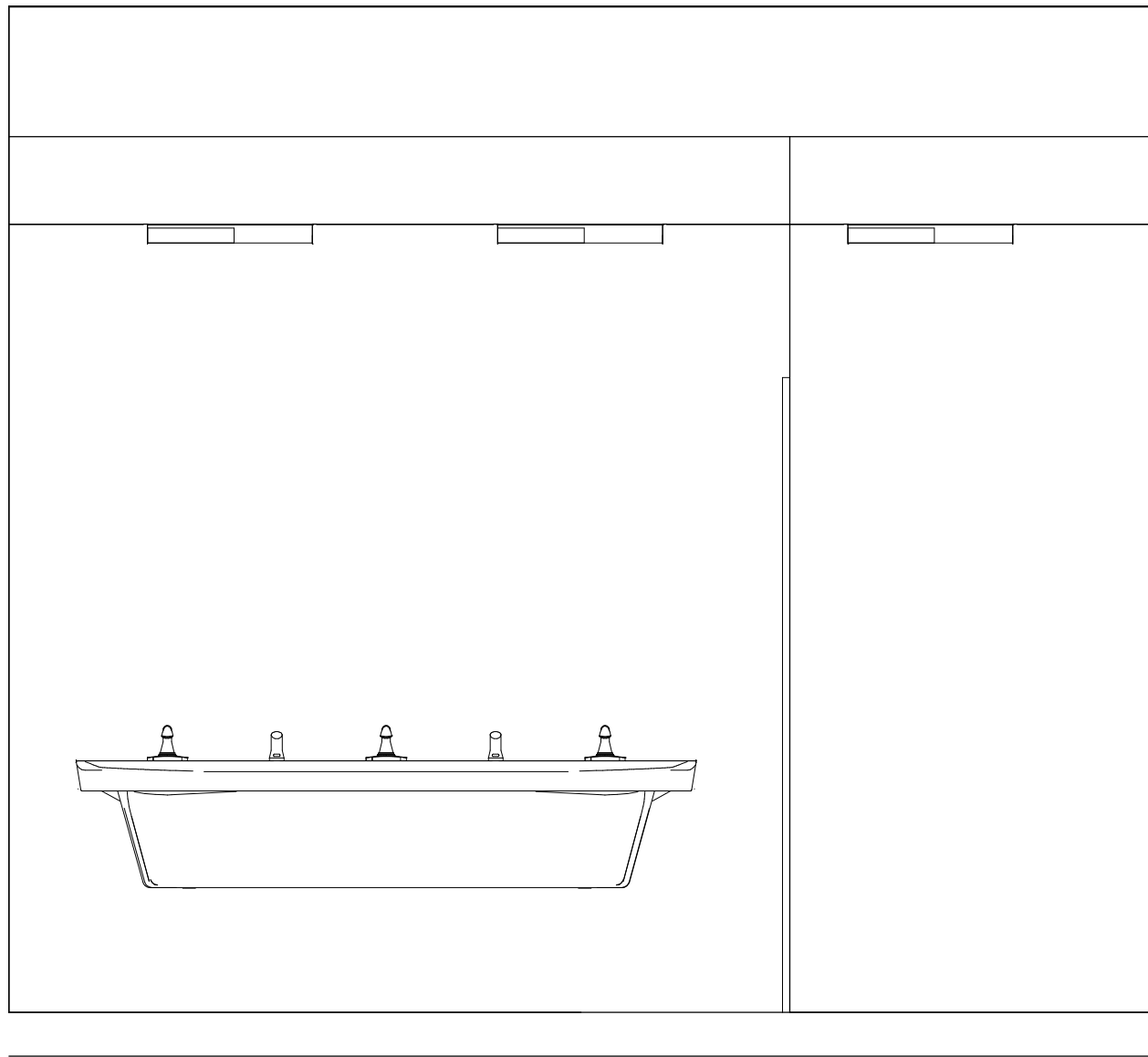
2 BUILDING SECTION F-F
3/16" = 1'-0"



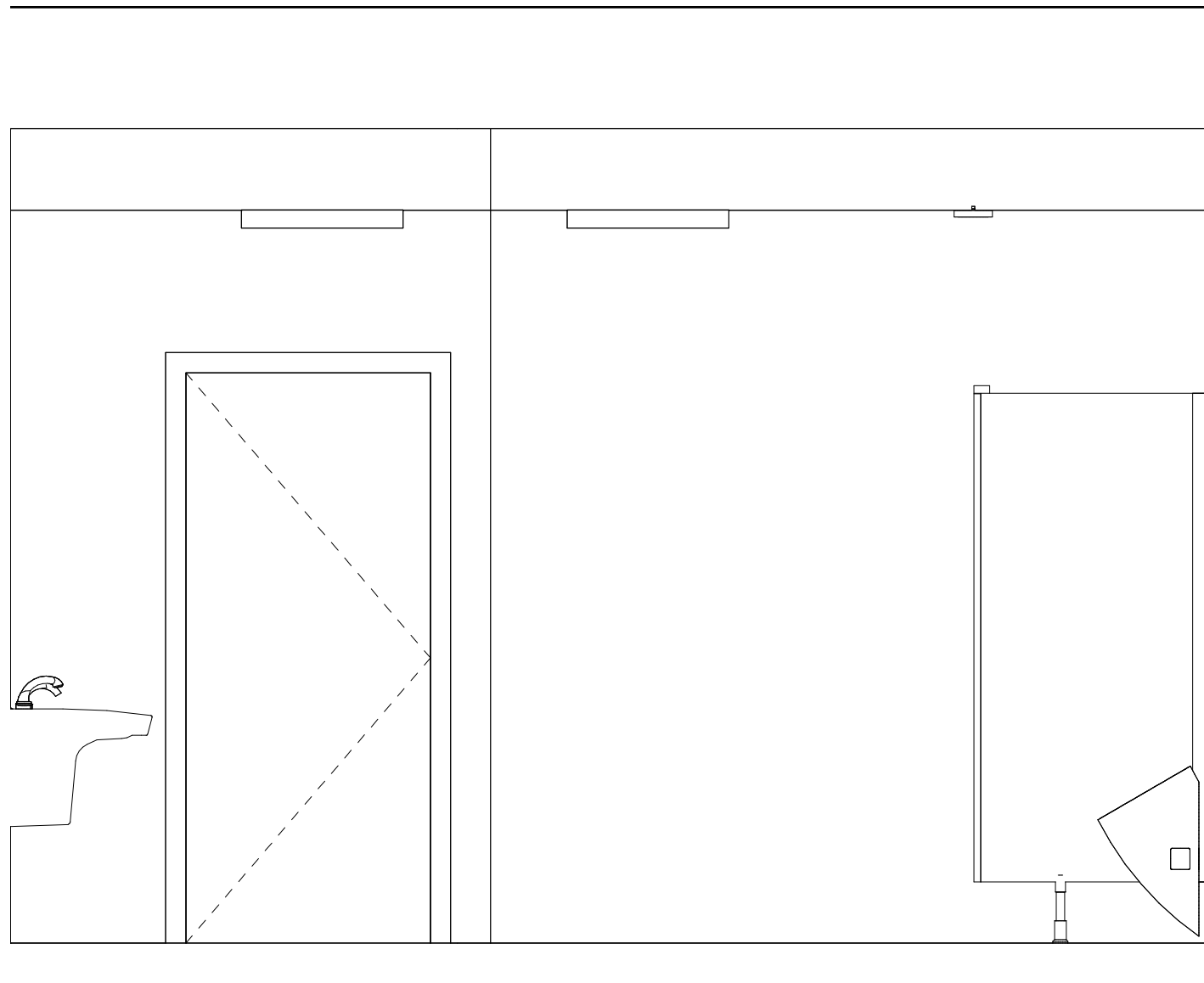
1 ENLARGED PLAN - LEVEL ONE
MALE RESTROOM 115
1/2" = 1'-0"



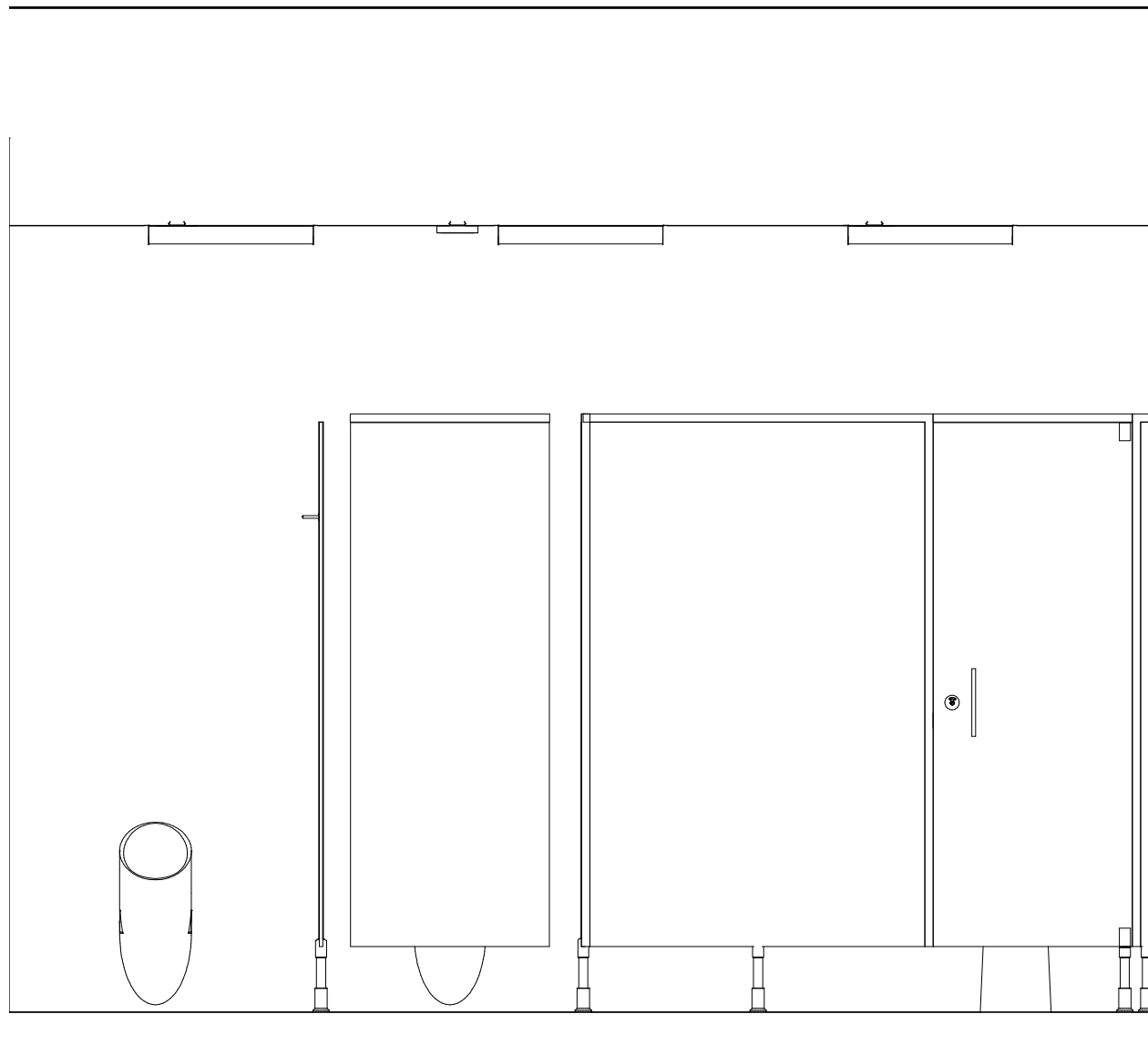
2 MALE RESTROOM 115- 2
1/2" = 1'-0"



3 MALE RESTROOM 115-3
1/2" = 1'-0"

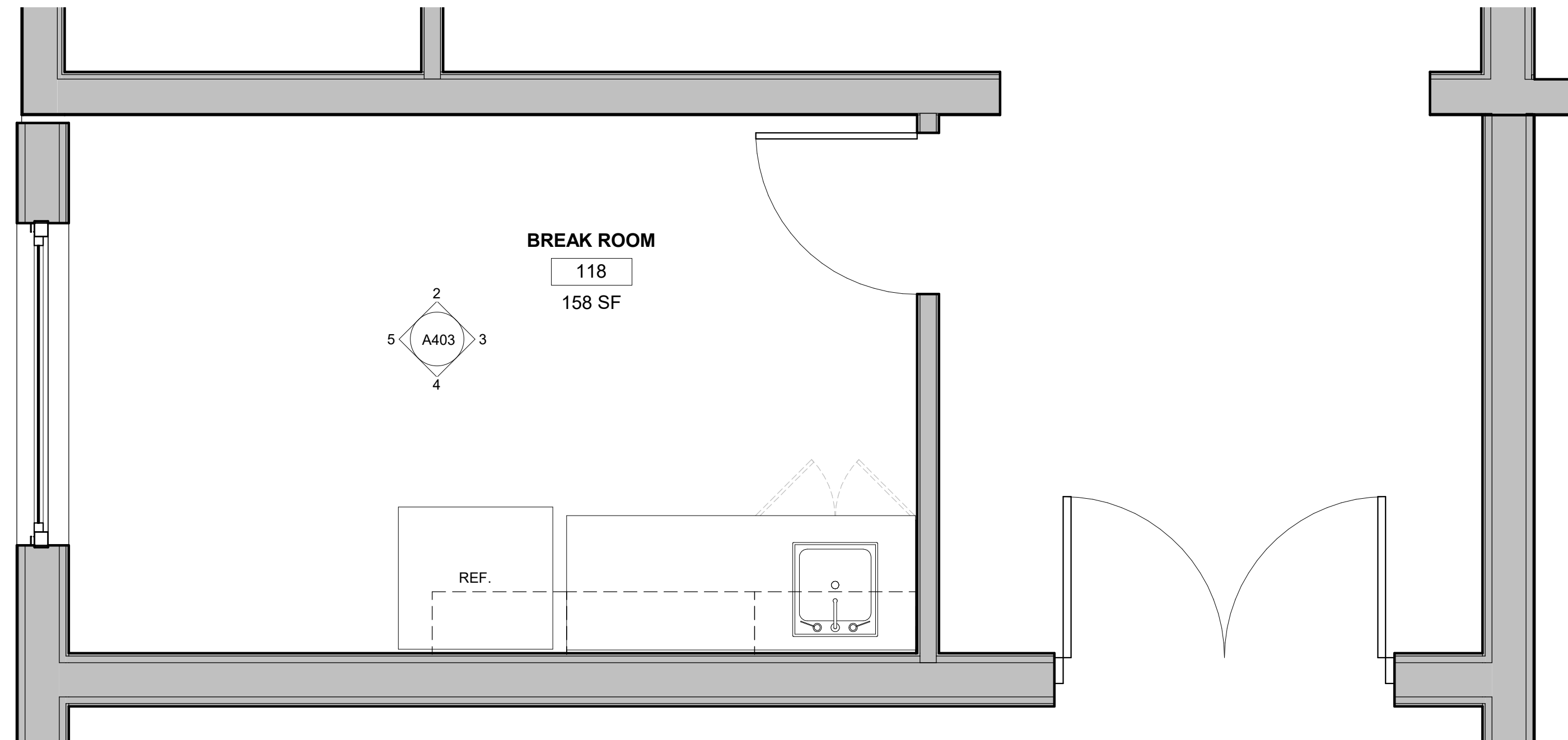


4 MALE RESTROOM 115-4
1/2" = 1'-0"



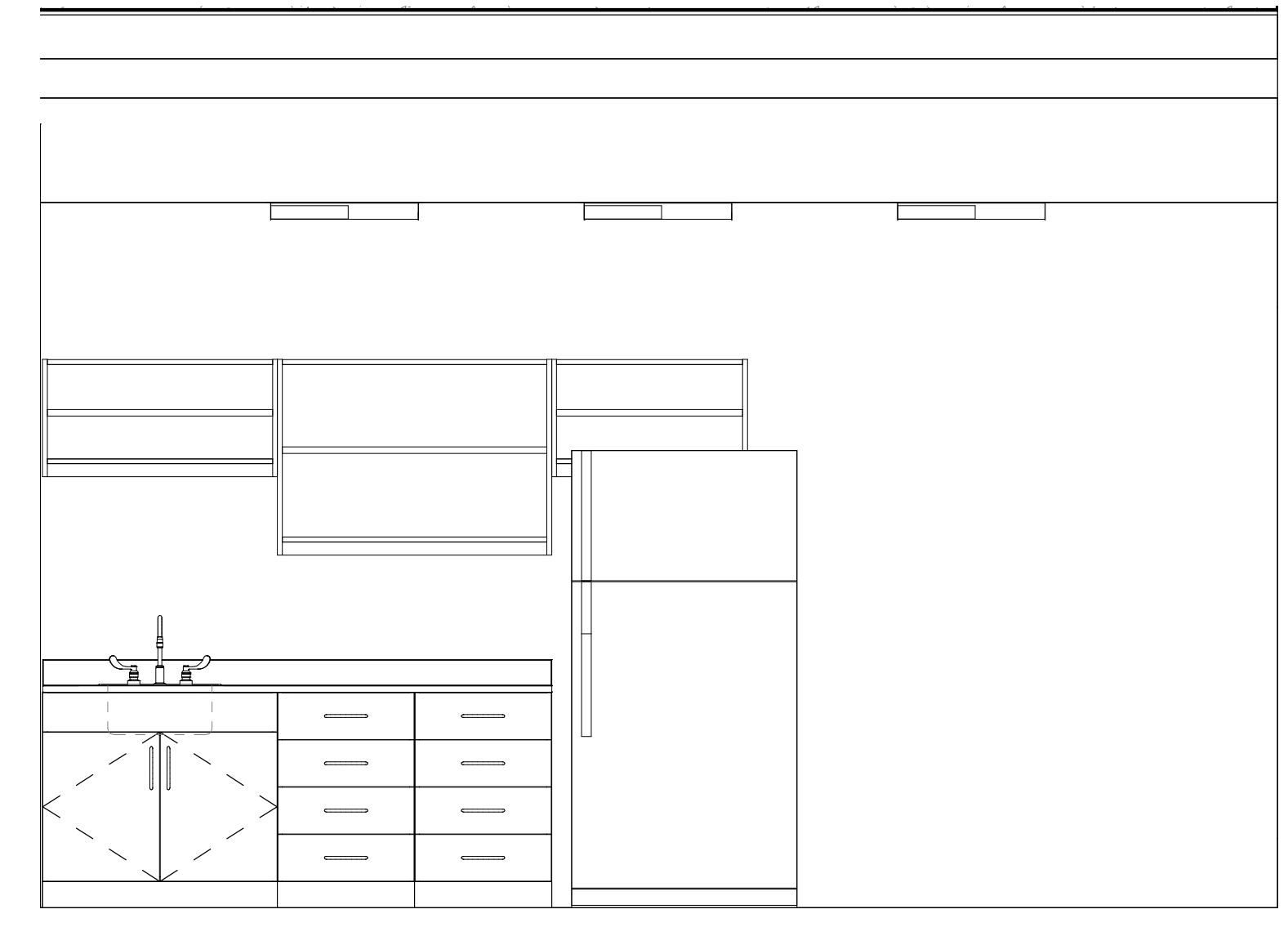
5 MALE RESTROOM 115-5
1/2" = 1'-0"

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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |



ENLARGED PLAN - LEVEL ONE
BREAK ROOM 118

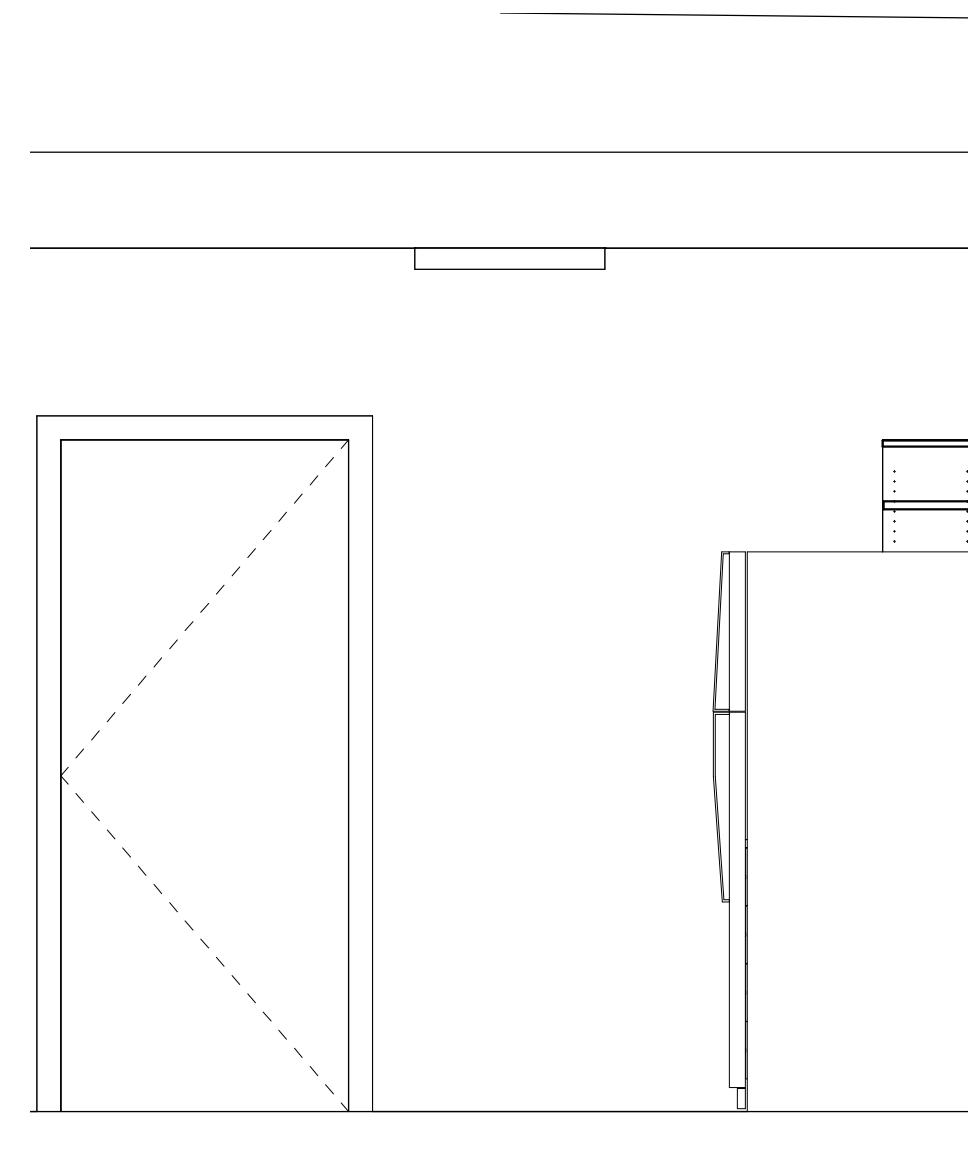
1 $1/2" = 1'-0"$



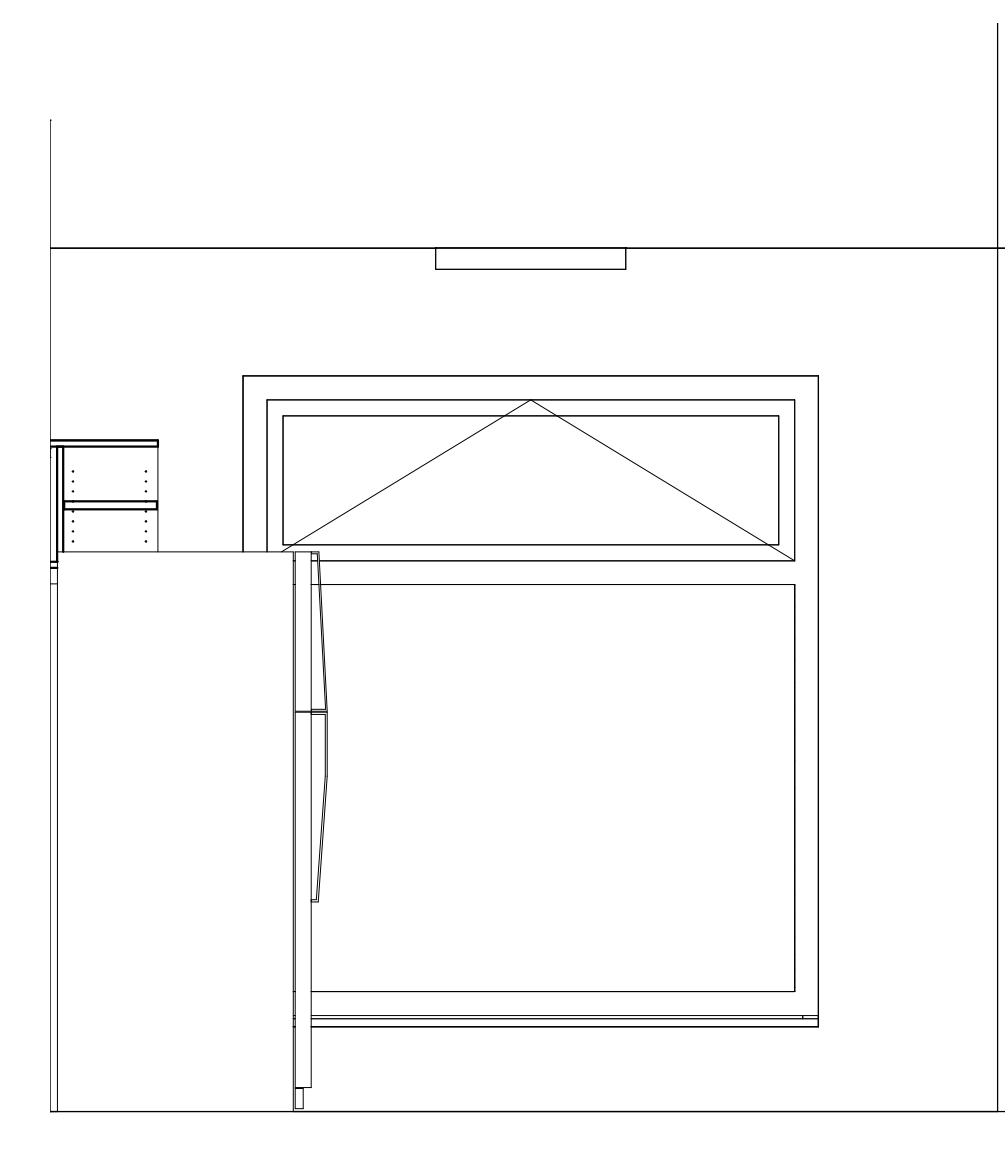
④ BREAK ROOM 118-4
1/2" = 1'-0"



2 BREAK ROOM 118-2
1/2" = 1'-0"



3 BREAK ROOM 118-3
1/2" = 1'-0"



5 BREAK ROOM 118-5
1/2" = 1'-0"

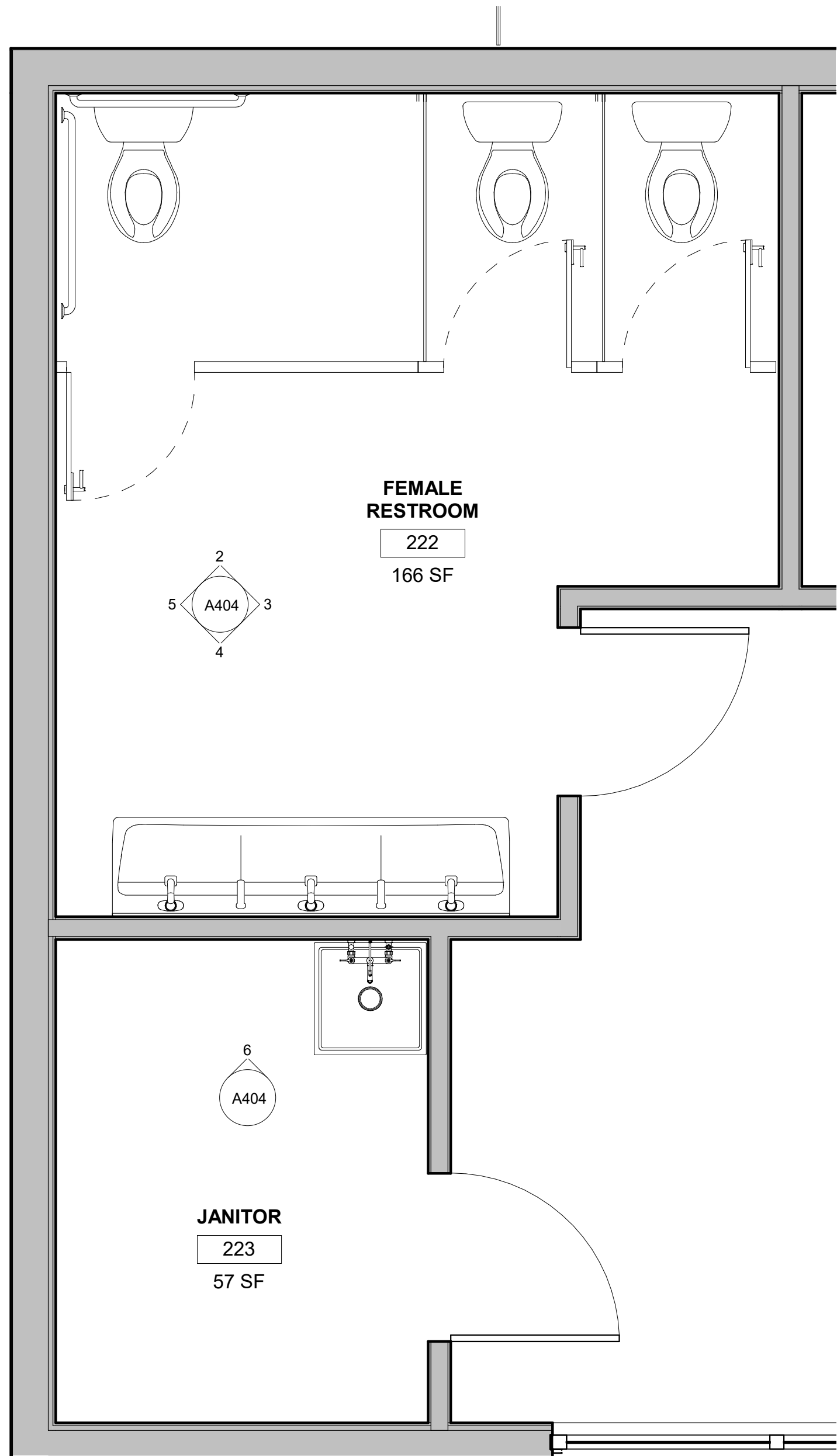
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REVISIONS

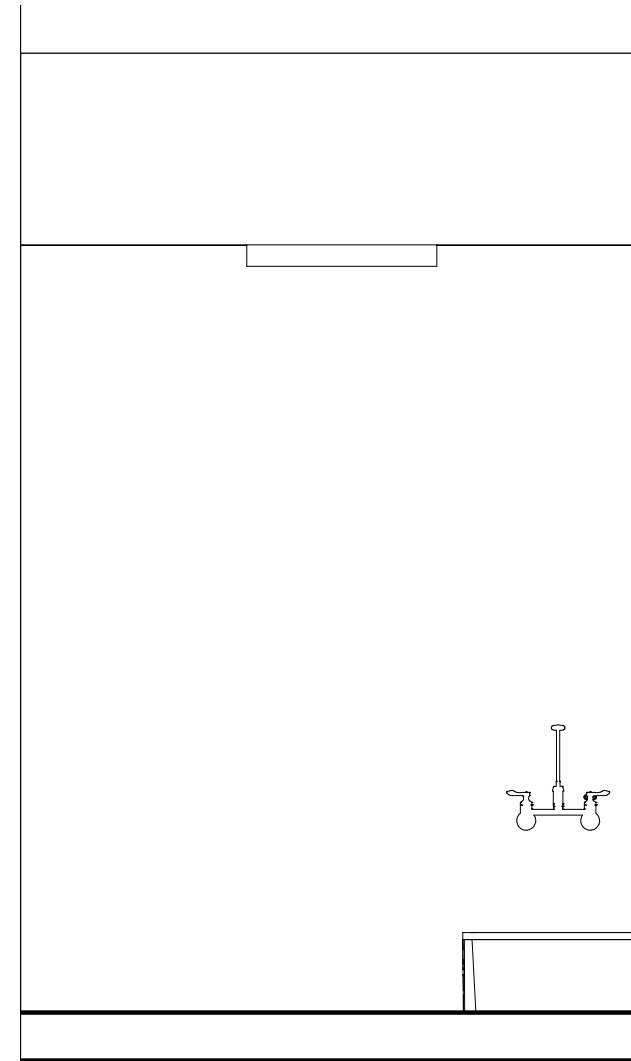
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Project number 2021.008.00
Drawing date 11/06/2022

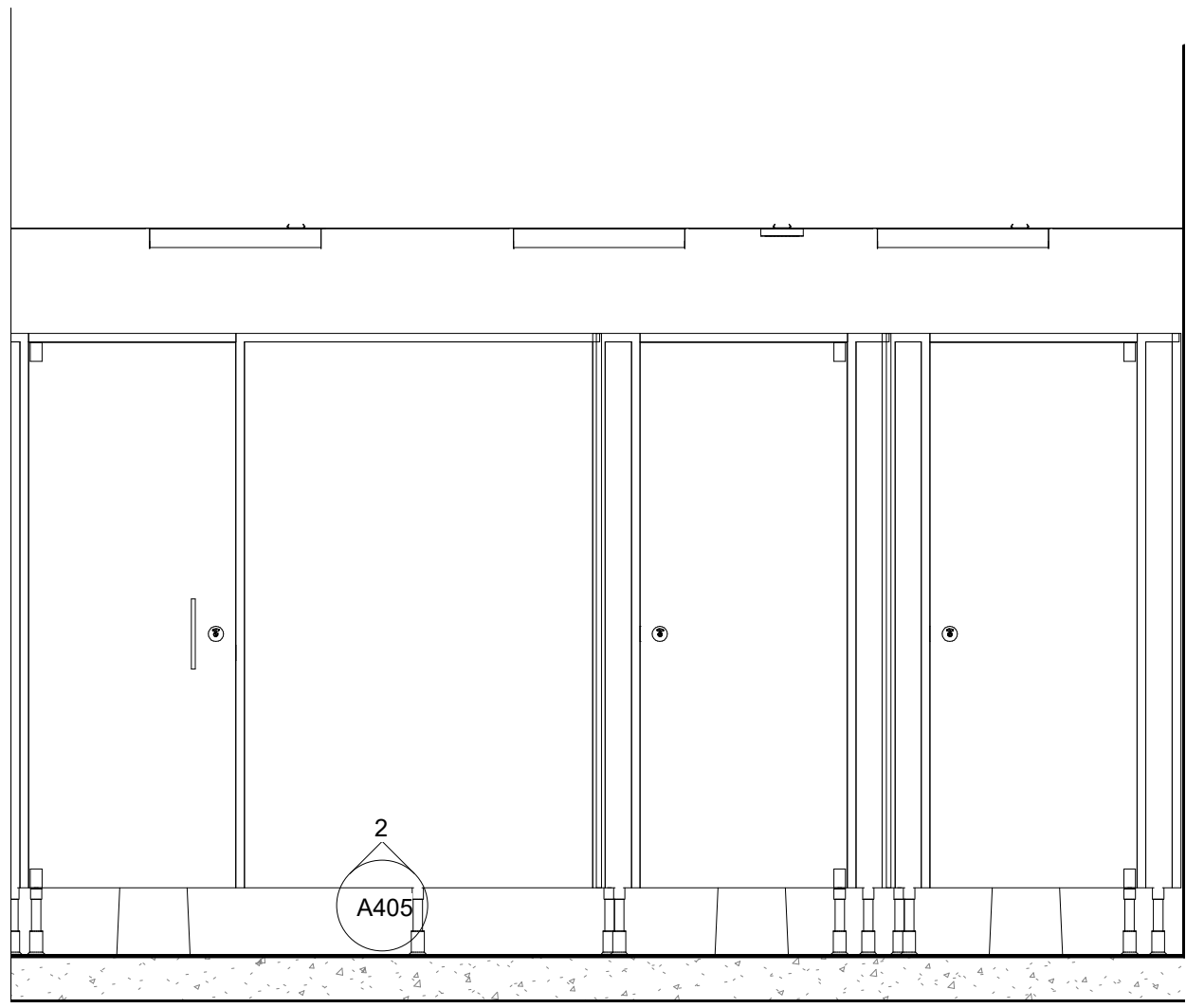
Drawn by JTB
Checked by JTB



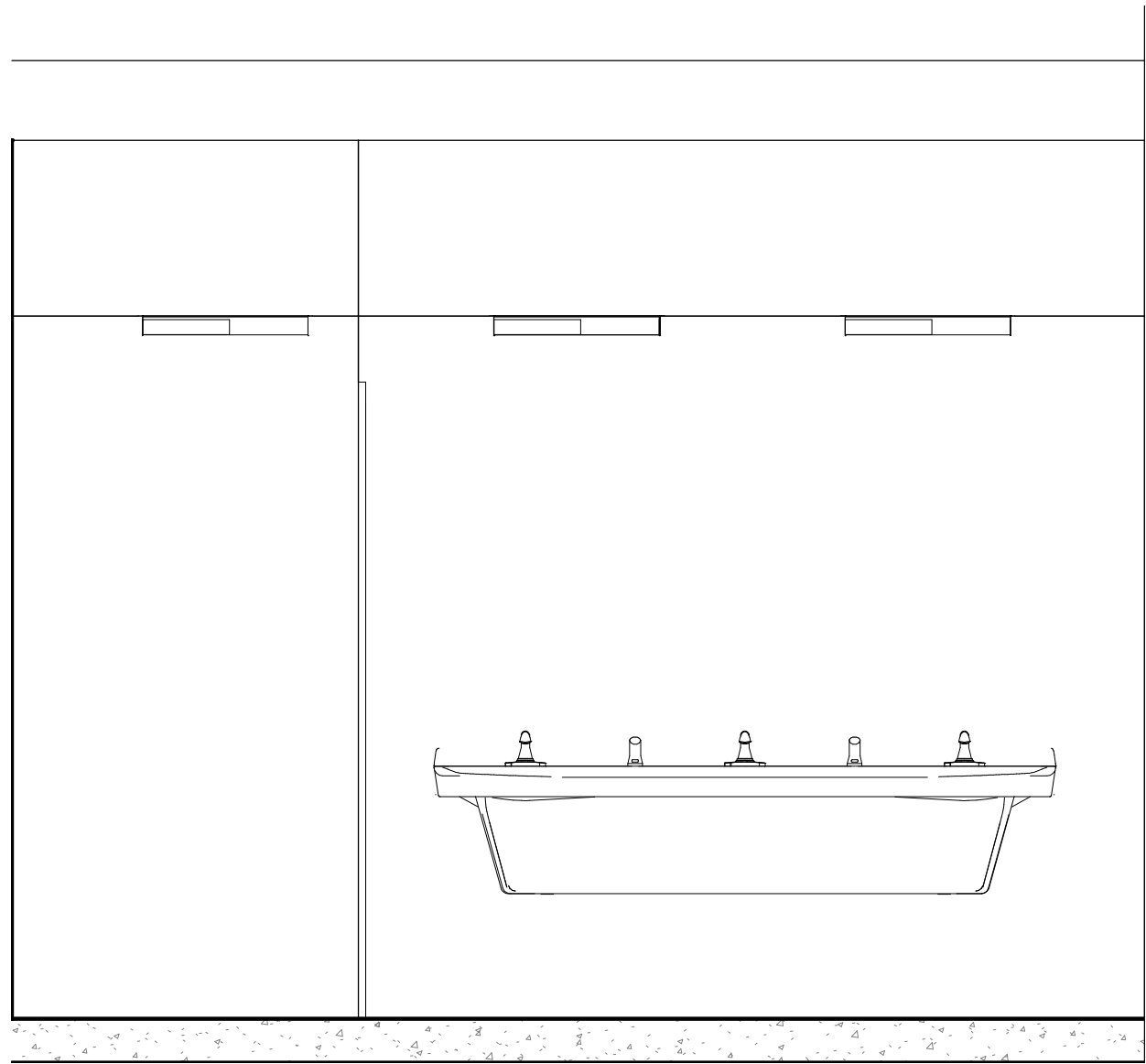
1 ENLARGED PLAN - LEVEL TWO FEMALE RESTROOM 222
1/2" = 1'-0"



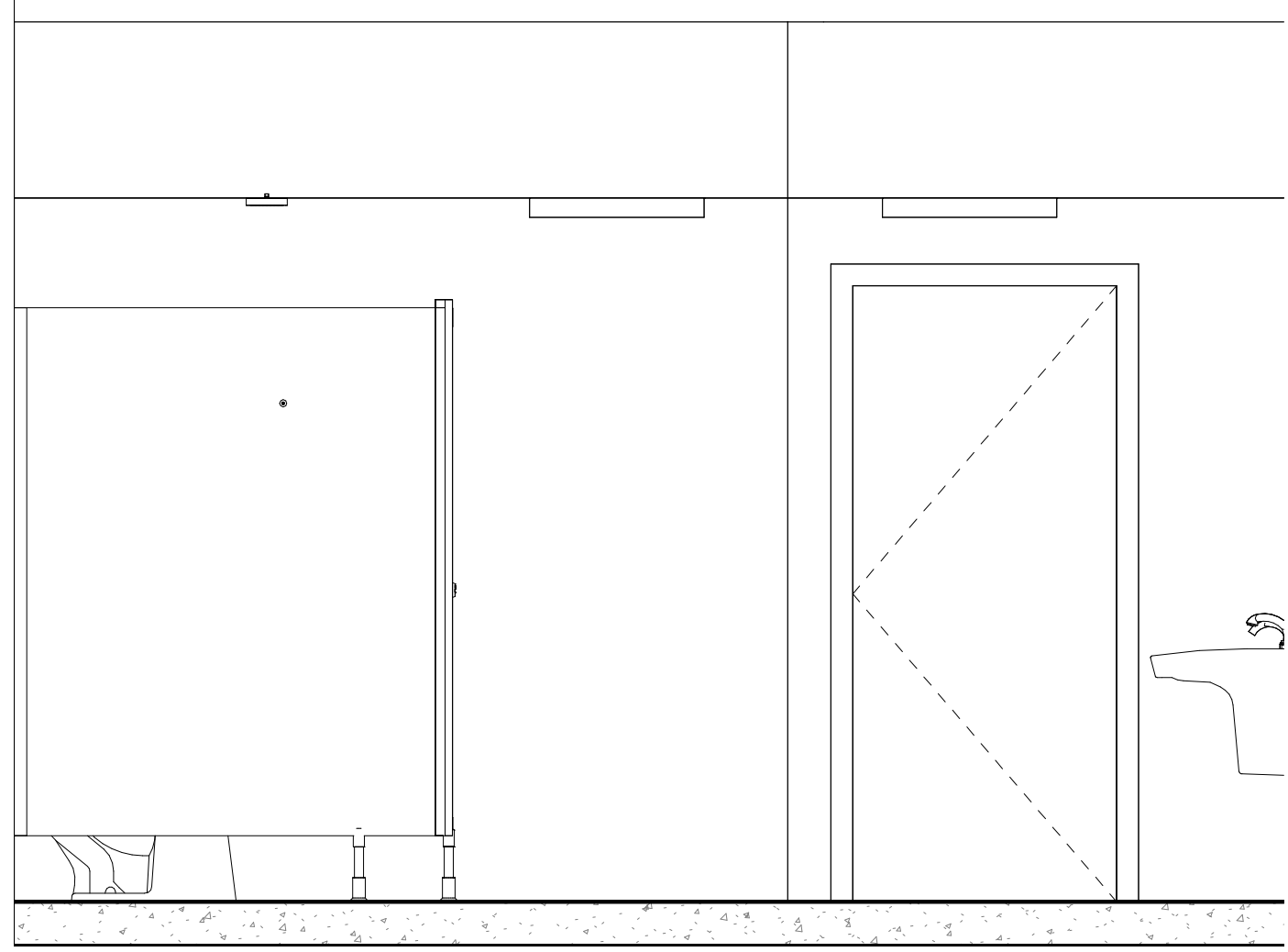
6 LEVEL TWO JANITOR 6
1/2" = 1'-0"



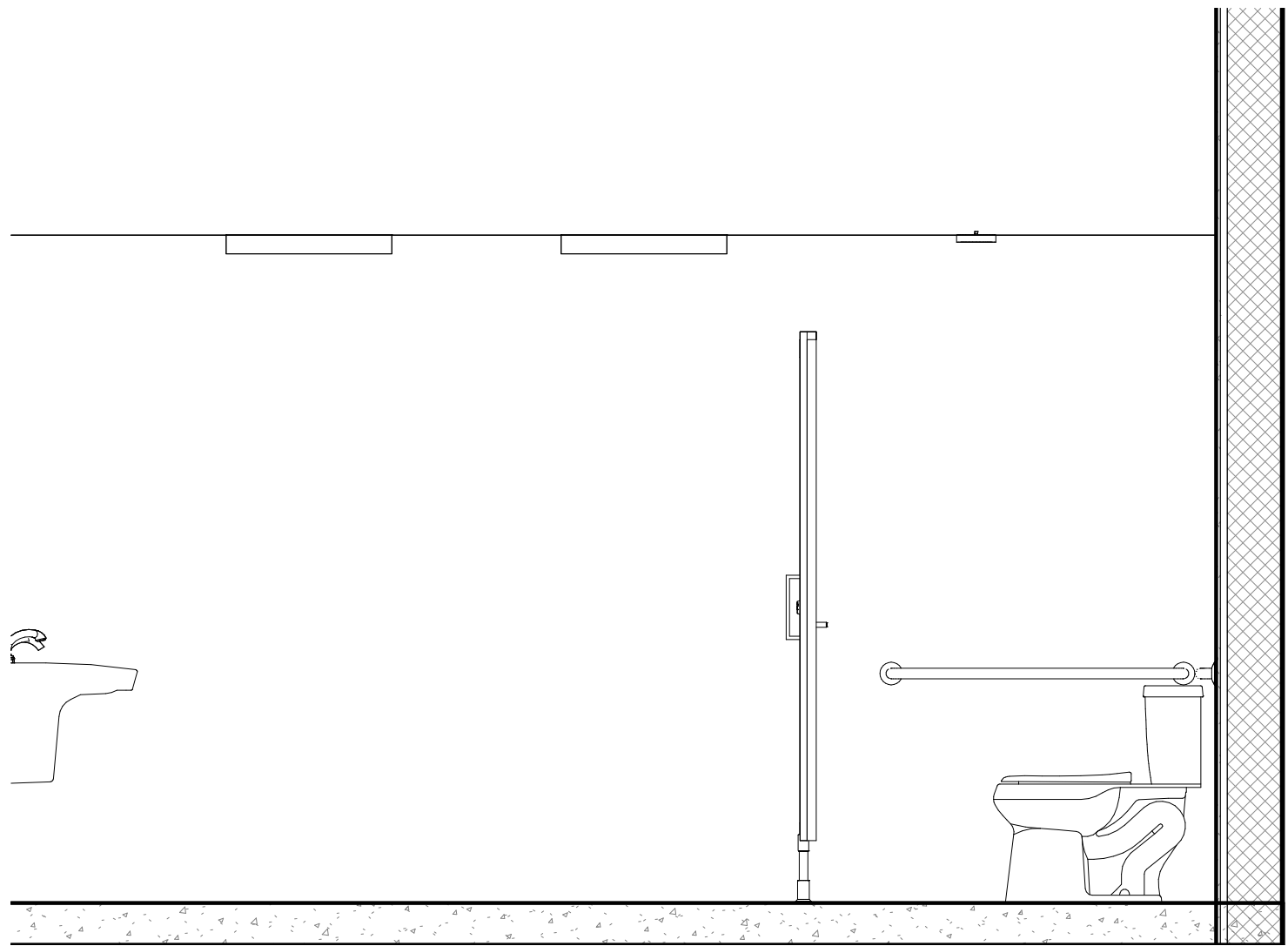
2 LEVEL TWO FEMALE RESTROOM 222-2
1/2" = 1'-0"



4 LEVEL TWO FEMALE RESTROOM 222-4
1/2" = 1'-0"

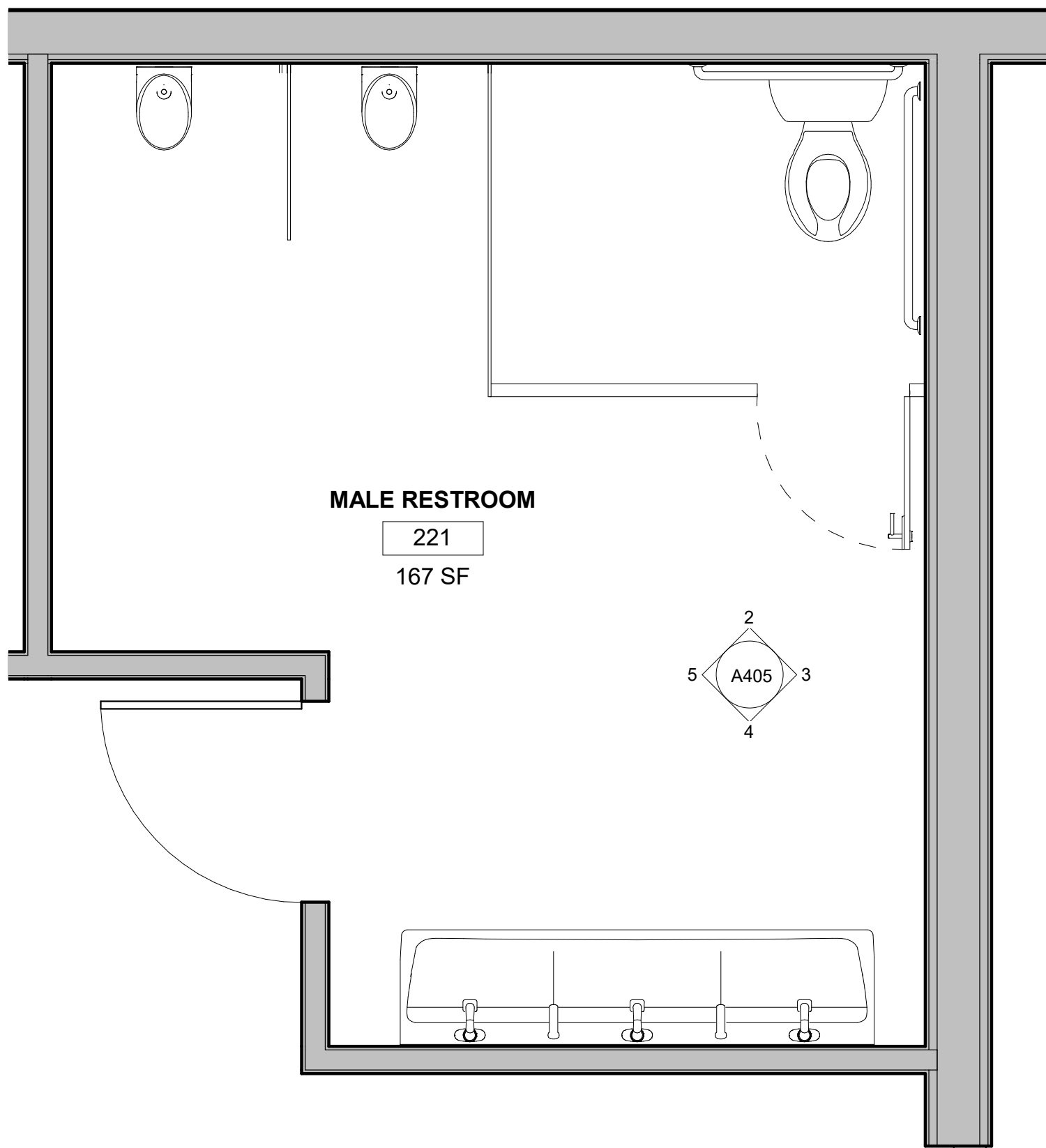


3 LEVEL TWO FEMALE RESTROOM 222-3
1/2" = 1'-0"

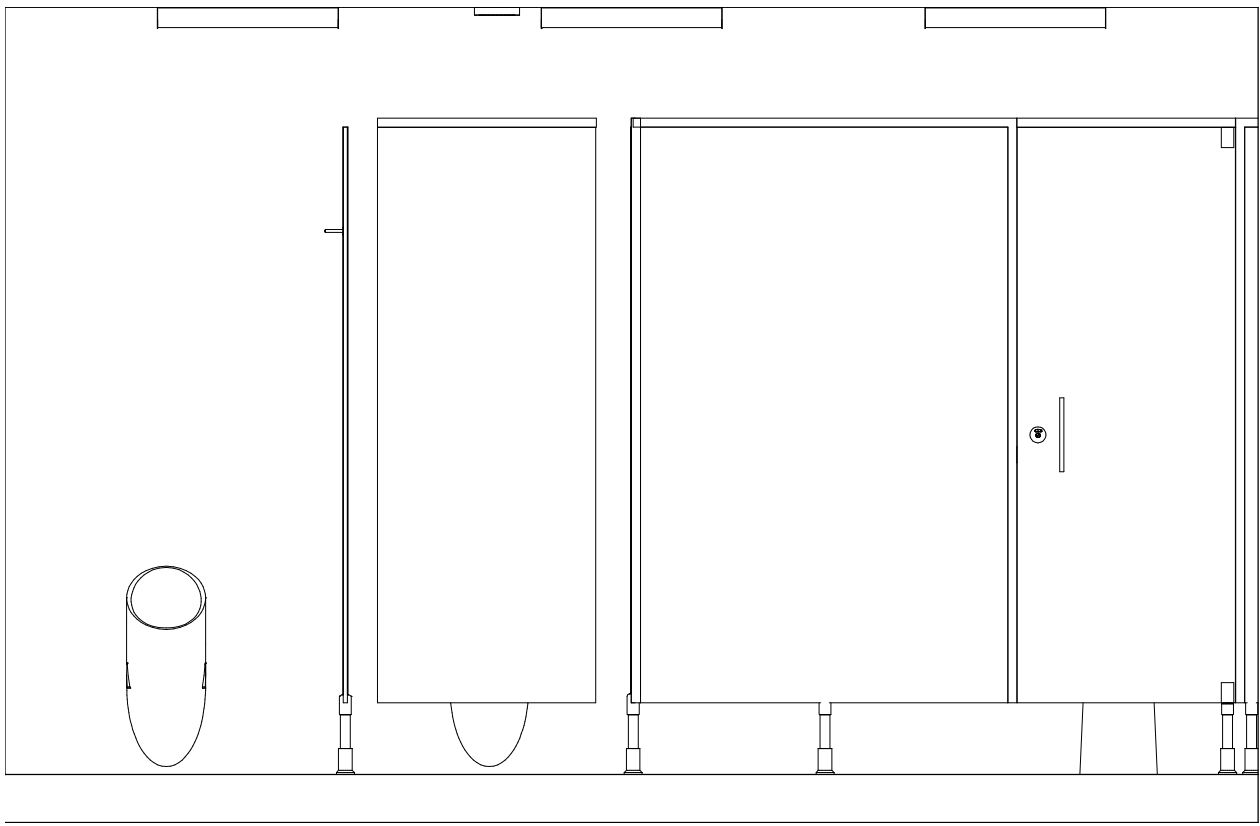


5 LEVEL TWO FEMALE RESTROOM 222-5
1/2" = 1'-0"

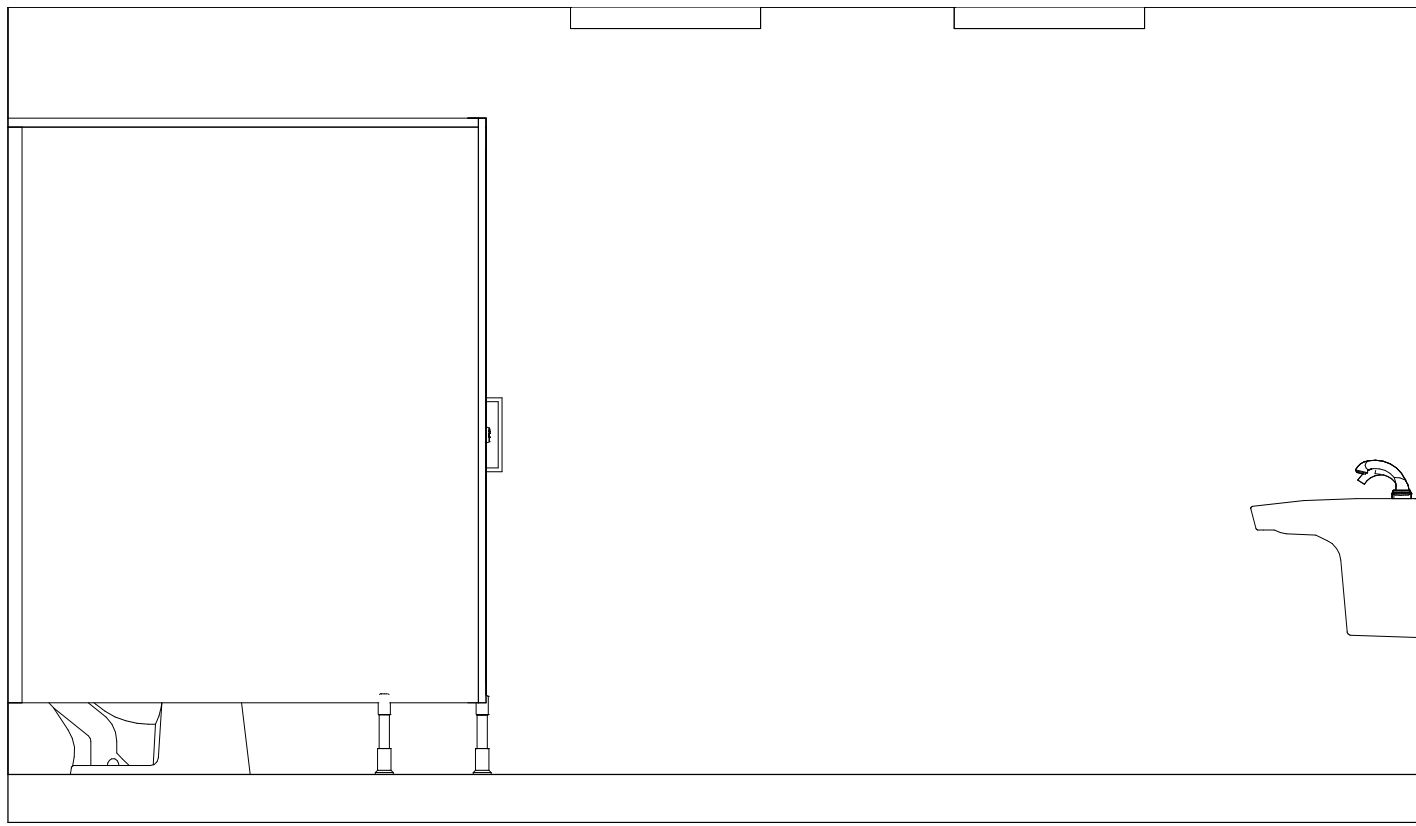
| PROGRESS SET | | |
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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |



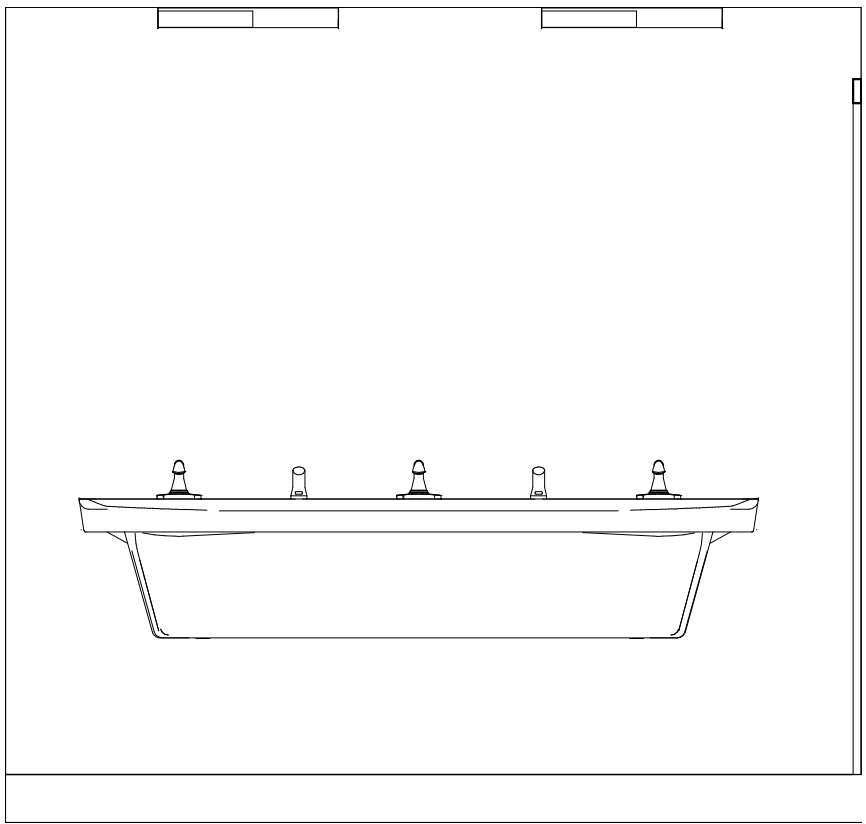
1 ENLARGED PLAN - LEVEL TWO
MALE RESTROOM 221
1/2" = 1'-0"



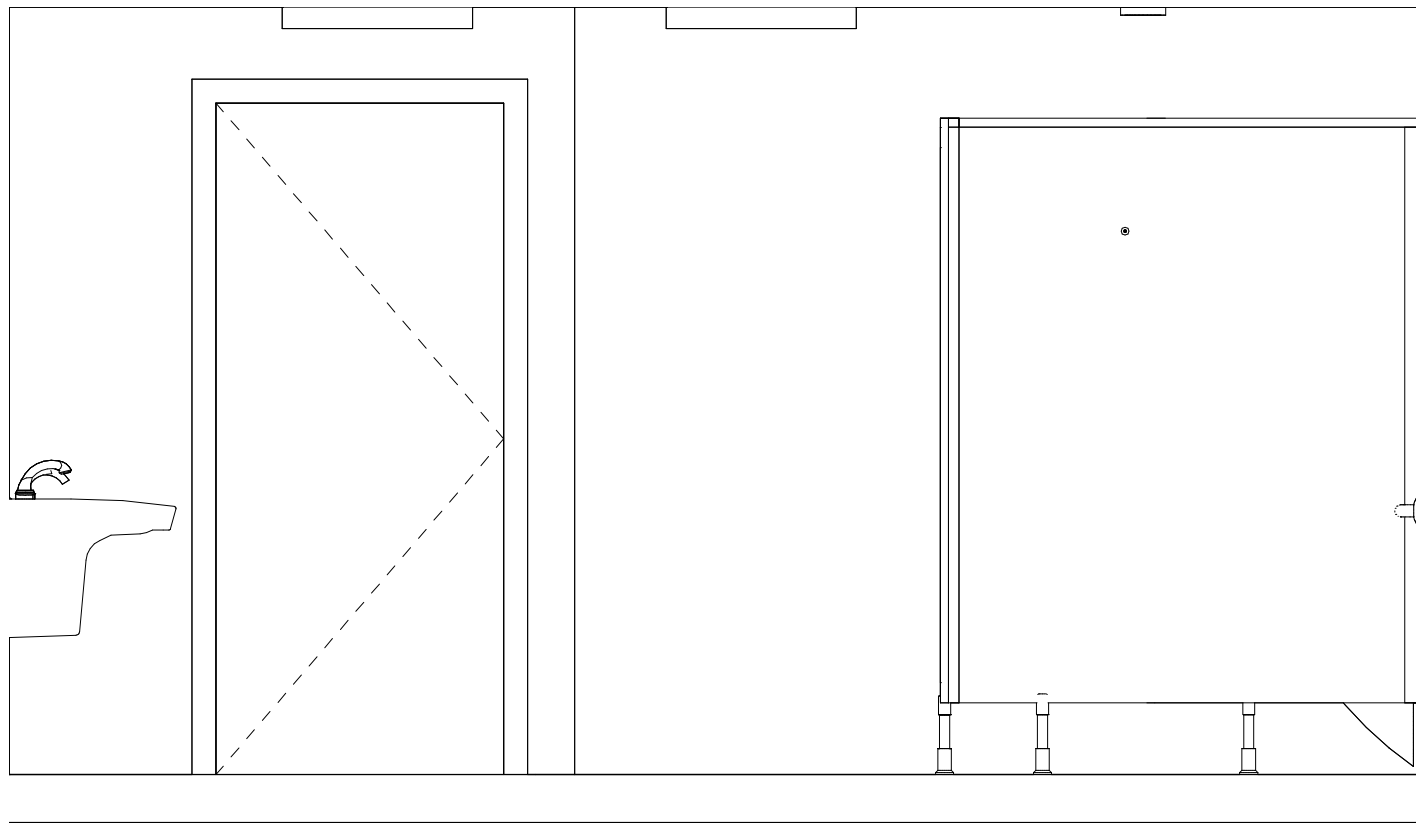
2 MALE RESTROOM ELEVATION
221-2
1/2" = 1'-0"



3 MALE RESTROOM 221-3
1/2" = 1'-0"

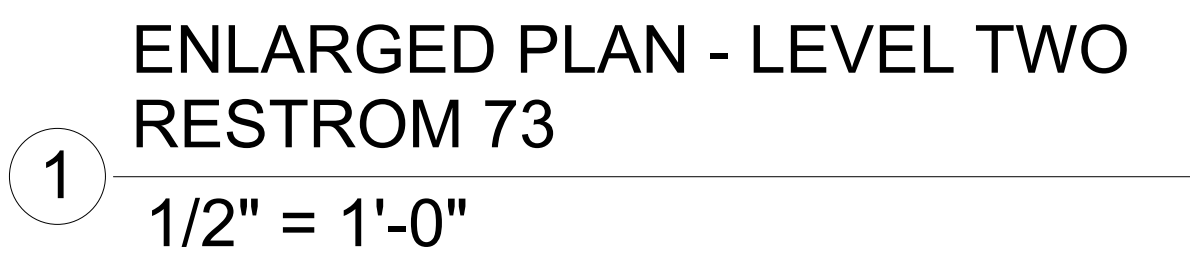


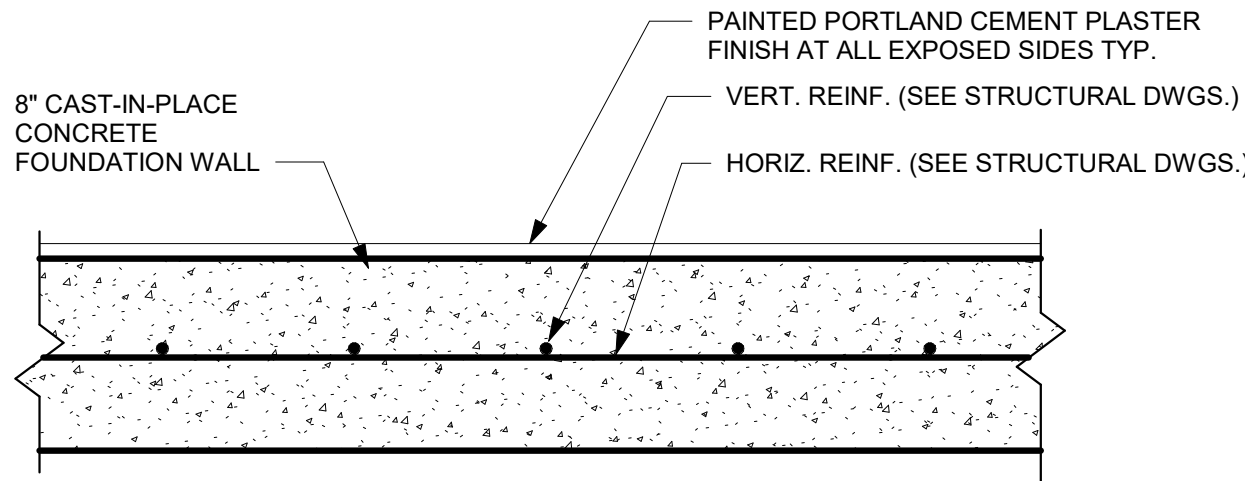
4 MALE RESTROOM 221-4
1/2" = 1'-0"



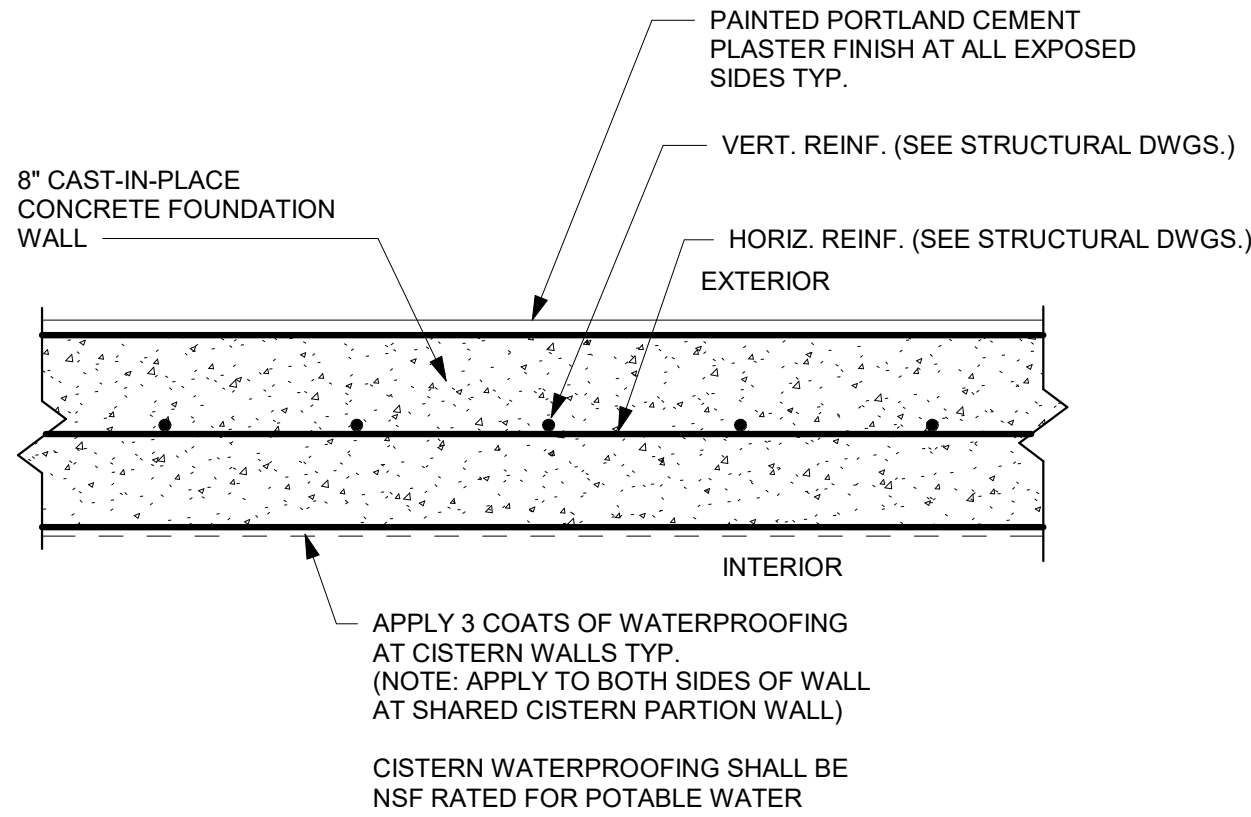
5 MALE RESTROOM 221-5
1/2" = 1'-0"

| PROGRESS SET | | |
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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |

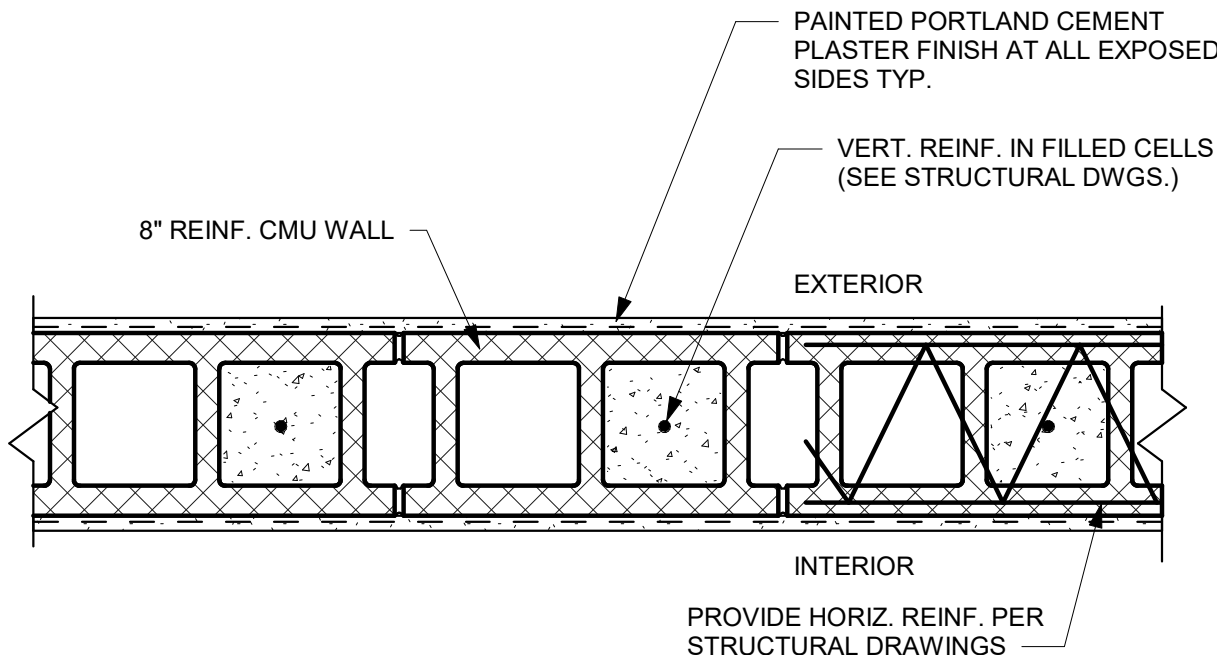




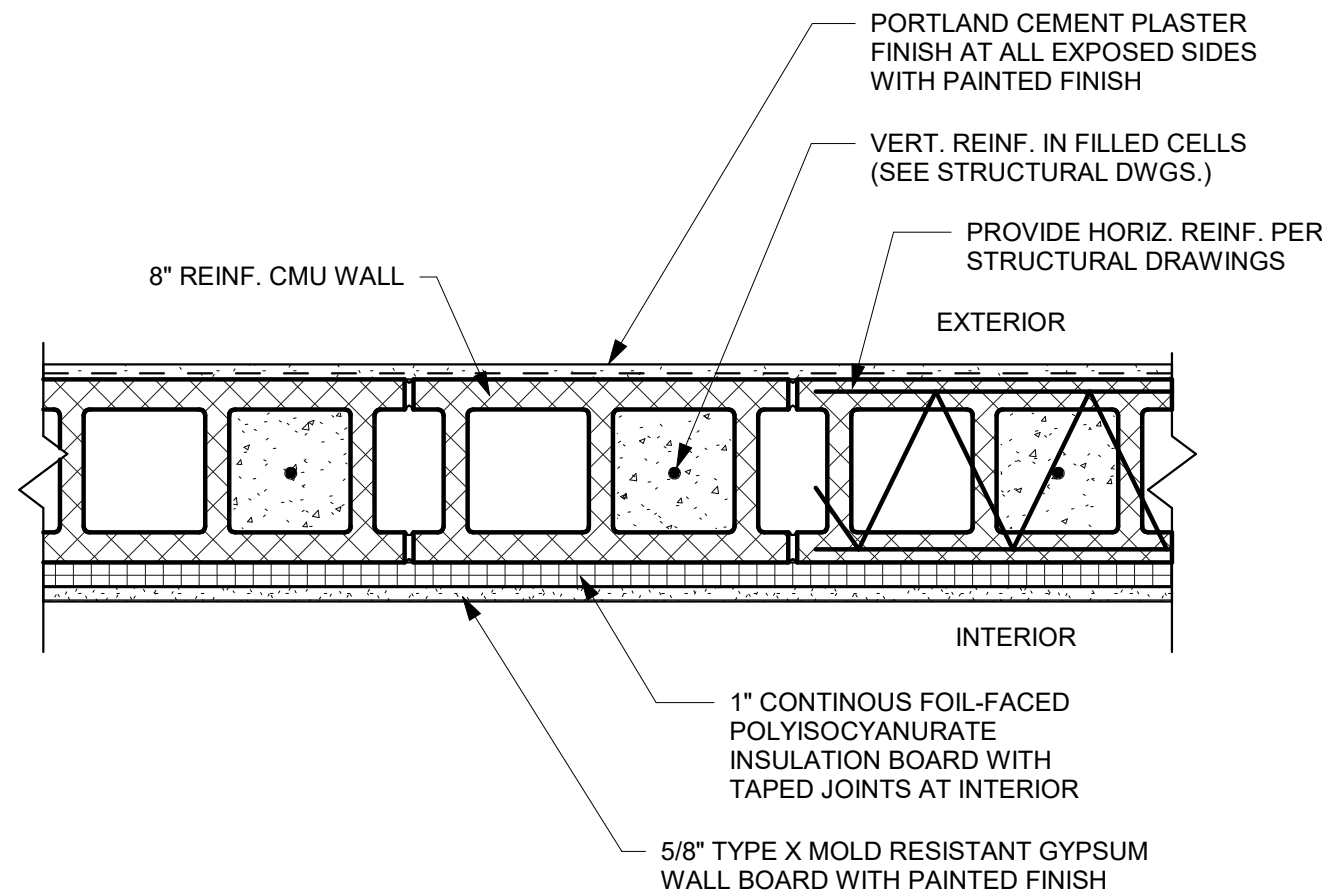
1 WALL TYPE WT1
1 1/2" = 1'-0"



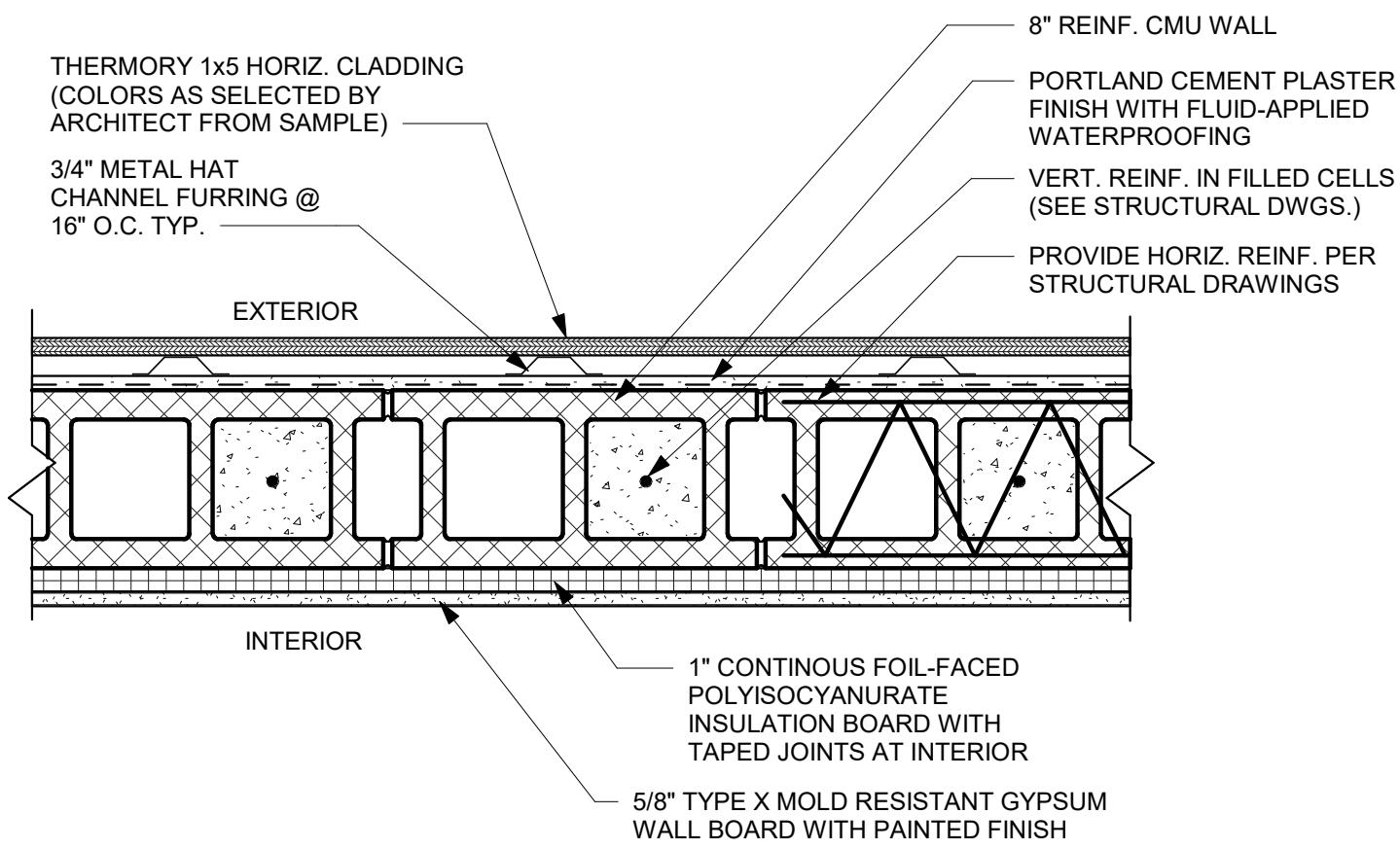
2 WALL TYPE WT2
1 1/2" = 1'-0"



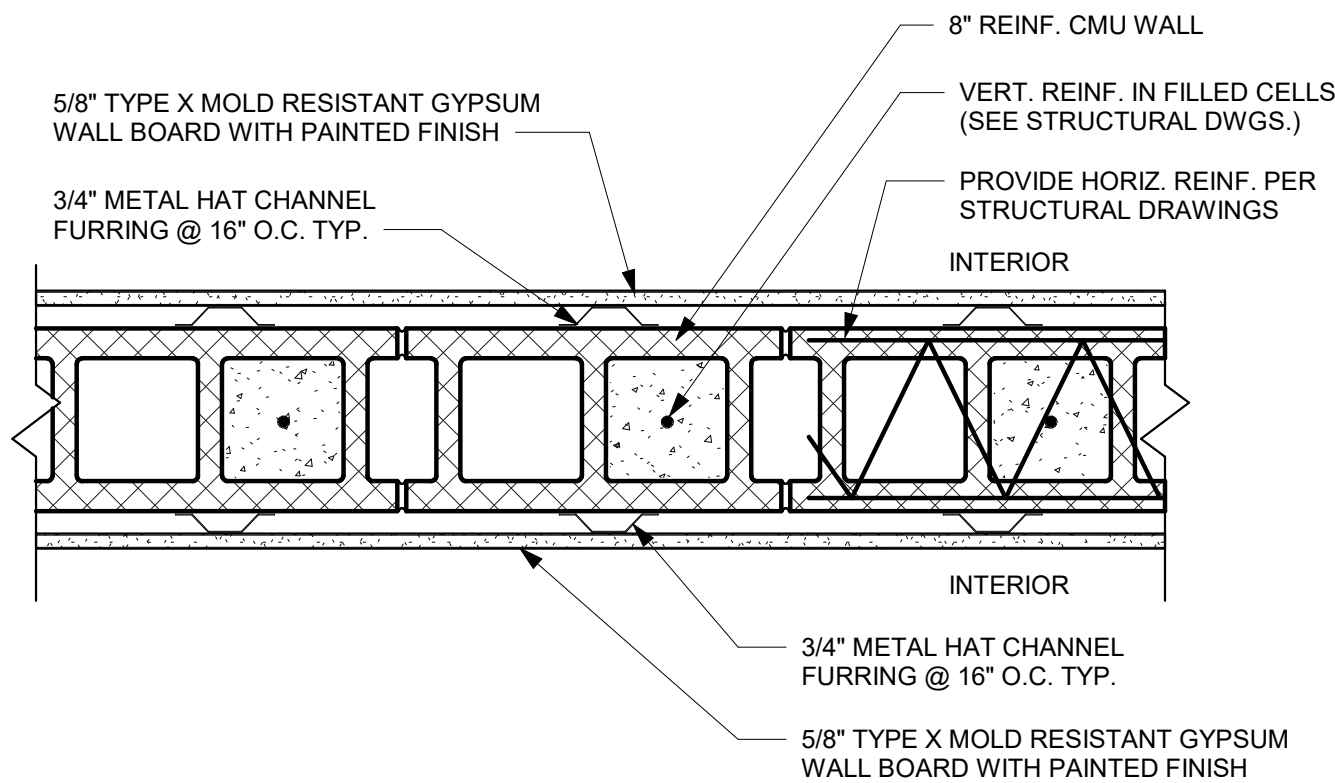
3 WALL TYPE WT3
1 1/2" = 1'-0"



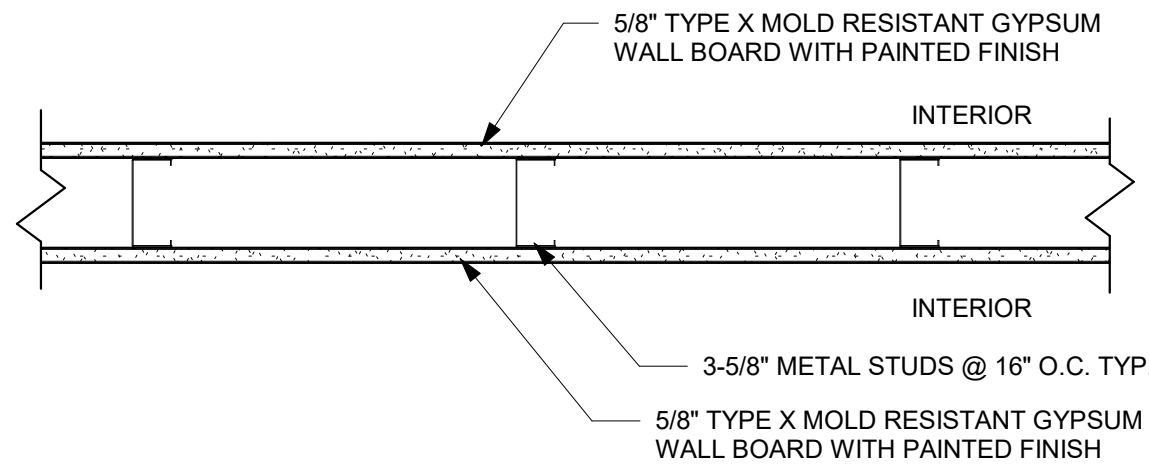
4 WALL TYPE WT4
1 1/2" = 1'-0"



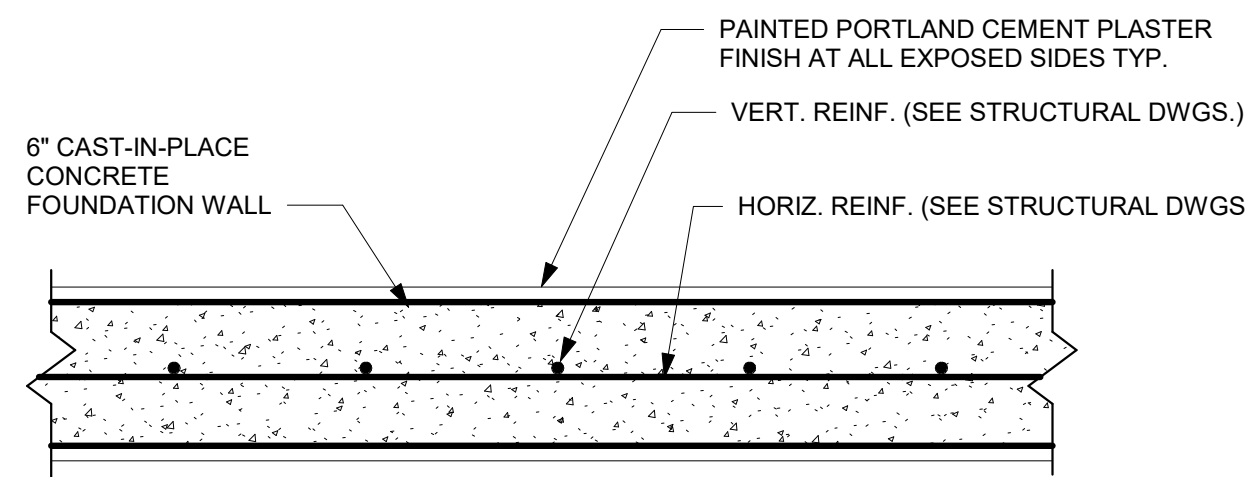
5 WALL TYPE WT5
1 1/2" = 1'-0"



6 WALL TYPE WT6
1 1/2" = 1'-0"



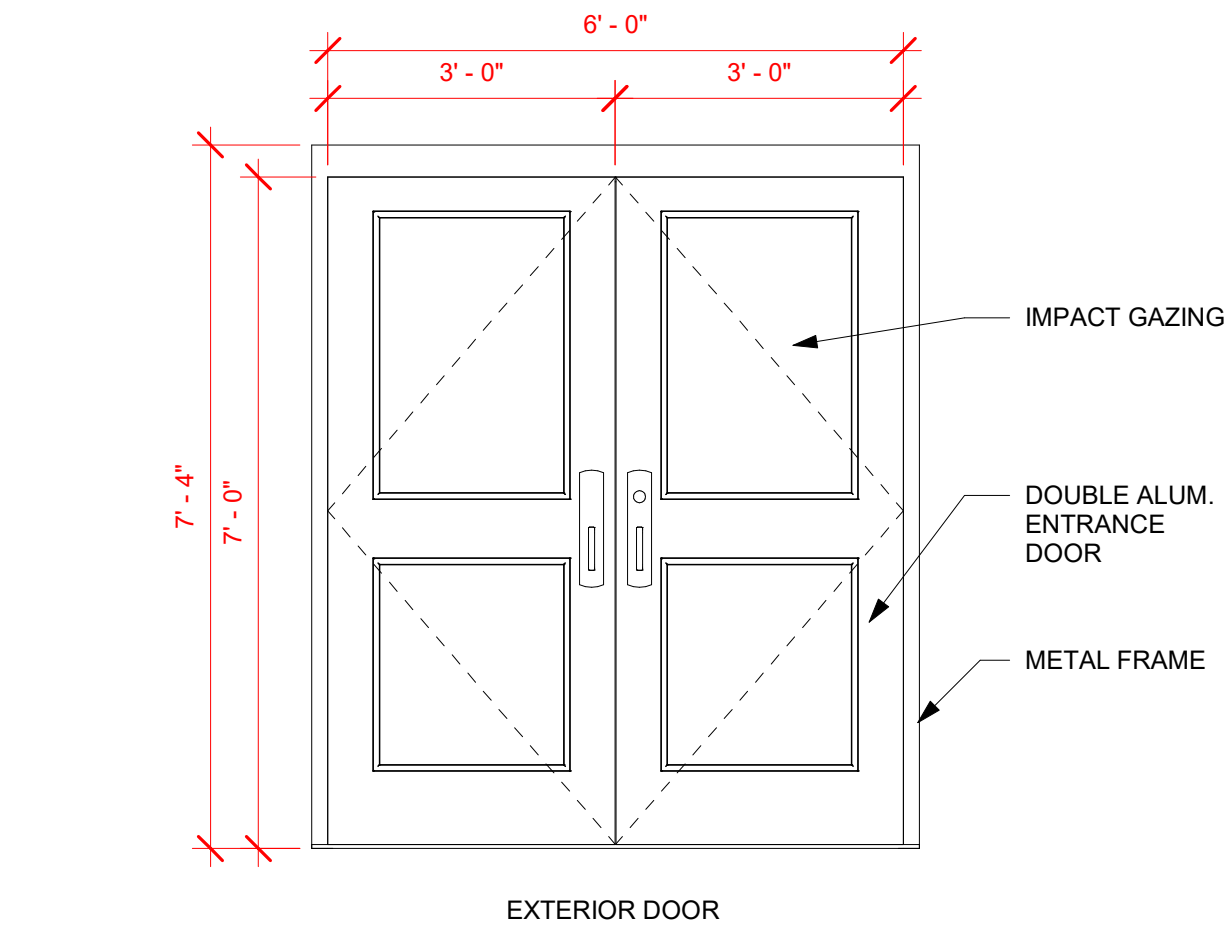
7 WALL TYPE WT7
1 1/2" = 1'-0"



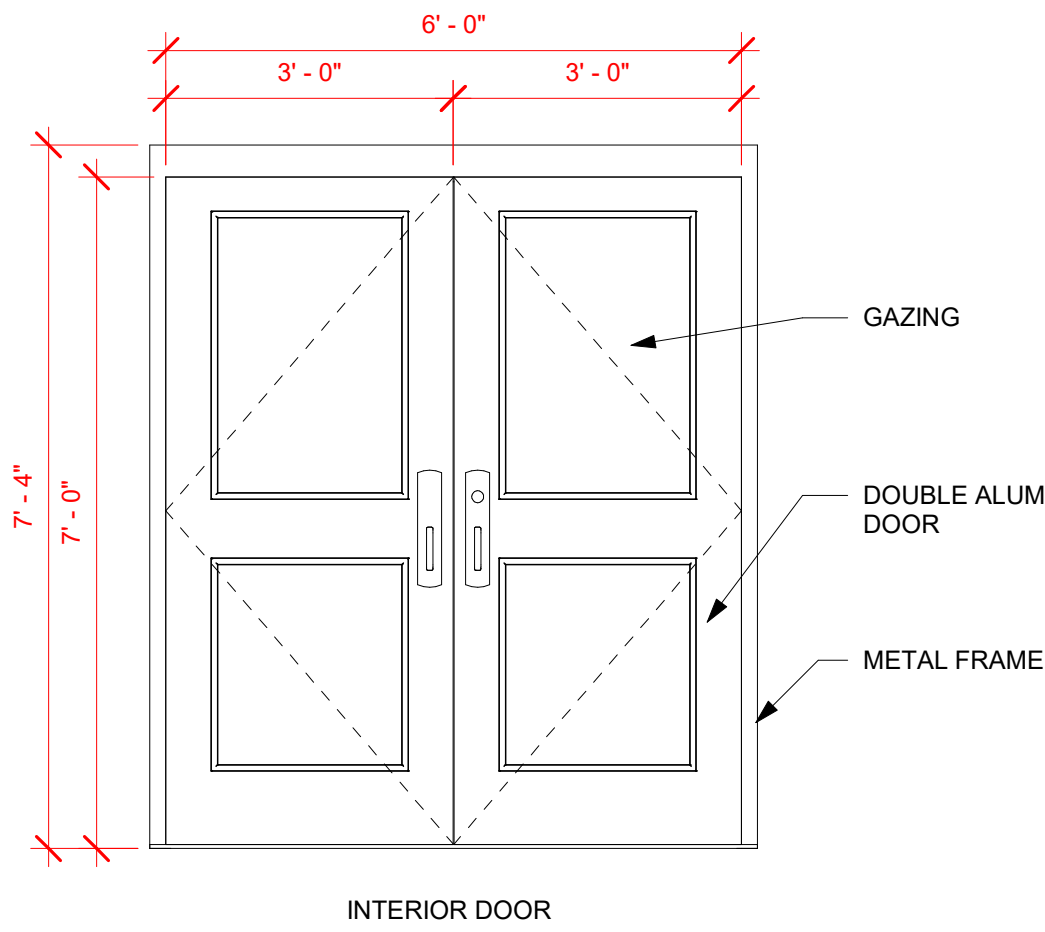
8 WALL TYPE WT8
1 1/2" = 1'-0"

| PROGRESS SET | | |
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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |

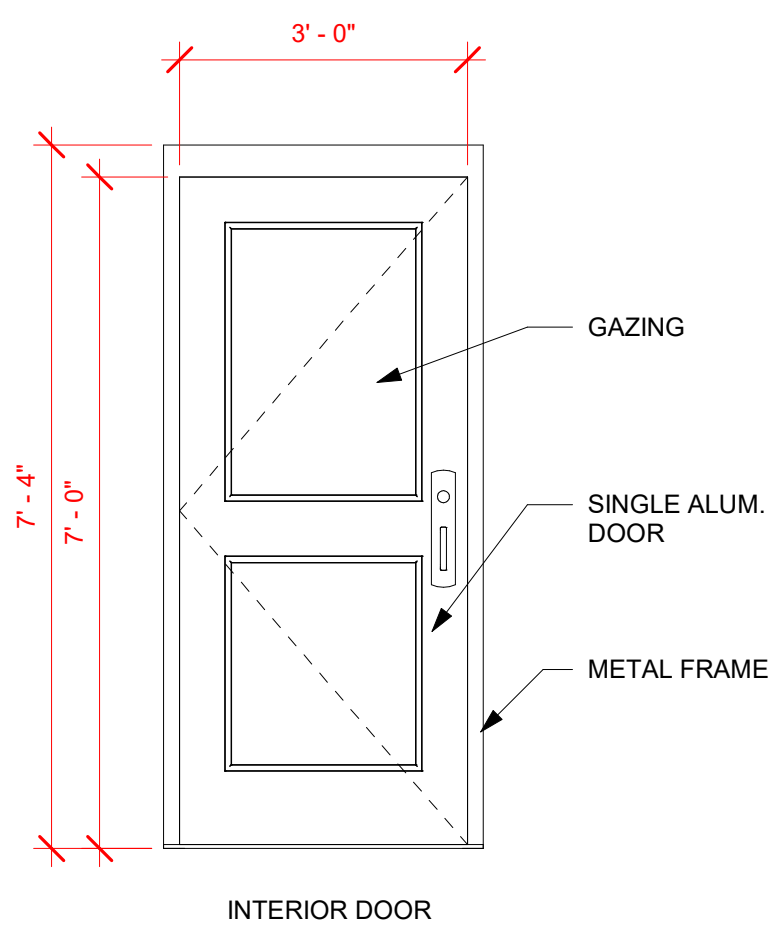
| DOOR SCHEDULE | | | | | | | | | | | | | |
|-----------------|--|--------------------------|----------------|----------|---------|-----------|----------|---------------|----------------|-------------|----------------|-------------|----------|
| DOOR MARK | FAMILY AND TYPE | DESCRIPTION | DOOR ELEVATION | WIDTH | HEIGHT | THICKNESS | FUNCTION | DOOR MATERIAL | FRAME MATERIAL | DOOR FINISH | GLAZING | FIRE RATING | COMMENTS |
| 100A | Door-Exterior-Double-Two_Lite: 72" x 84" | DOUBLE TWO-LITE EXTERIOR | D1 | 6' - 0" | 7' - 0" | 1 3/4" | Exterior | ALUMINUM | ALUMINUM | CLEAR ALUM | IMPACT GLAZING | 3/4 HR | |
| 100B | Door-Exterior-Double-Two_Lite: 72" x 84" INT | DOUBLE TWO-LITE INTERIOR | D2 | 6' - 0" | 7' - 0" | 1 3/4" | Interior | ALUMINUM | ALUMINUM | CLEAR ALUM | TEMPERED | 3/4 HR | |
| 100C | Door-Exterior-Double-Two_Lite: 72" x 84" INT | DOUBLE TWO-LITE INTERIOR | D2 | 6' - 0" | 7' - 0" | 1 3/4" | Interior | ALUMINUM | ALUMINUM | CLEAR ALUM | TEMPERED | 3/4 HR | |
| 100D | Door-Exterior-Single-Two_Lite: 36" x 84" | SINGLE TWO-LITE EXTERIOR | D3 | 3' - 0" | 7' - 0" | 1 3/4" | Exterior | ALUMINUM | ALUMINUM | CLEAR ALUM | IMPACT GLAZING | 3/4 HR | |
| 102A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 103A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 104A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 105A | Door-Exterior-Double: 72" x 84" | | D5 | 6' - 0" | 7' - 0" | 1 3/4" | Exterior | STEEL | STEEL | PAINTED | NONE | 3/4 HR | |
| 106A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 107A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 108A | Sliding-4 Panel 1: 120" x 84" | FOUR-PANEL SLIDING DOOR | D6 | 10' - 0" | 7' - 0" | 2" | Interior | ALUMINUM | ALUMINUM | CLEAR ALUM | TEMPERED | NONE | |
| 109A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 109B | Door-Exterior-Single-Two_Lite: 36" x 84" | SINGLE TWO-LITE EXTERIOR | D3 | 3' - 0" | 7' - 0" | 1 3/4" | Exterior | ALUMINUM | ALUMINUM | CLEAR ALUM | IMPACT GLAZING | 3/4 HR | |
| 110A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 111A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 112A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 113A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 115A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 116A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 117A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 118A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 119A | Door-Exterior-Single-Two_Lite: 36" x 84" | SINGLE TWO-LITE EXTERIOR | D3 | 3' - 0" | 7' - 0" | 1 3/4" | Exterior | ALUMINUM | ALUMINUM | CLEAR ALUM | IMPACT GLAZING | 3/4 HR | |
| 119B | Door-Exterior-Double-Two_Lite: 72" x 84" INT | DOUBLE TWO-LITE INTERIOR | D2 | 6' - 0" | 7' - 0" | 1 3/4" | Interior | ALUMINUM | ALUMINUM | CLEAR ALUM | TEMPERED | 3/4 HR | |
| 201A | Door-Exterior-Double-Two_Lite: 72" x 84" INT | DOUBLE TWO-LITE INTERIOR | D2 | 6' - 0" | 7' - 0" | 1 3/4" | Interior | ALUMINUM | ALUMINUM | CLEAR ALUM | TEMPERED | 3/4 HR | |
| 203A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 204A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 205A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 206A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 207A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 208A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 210A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 211A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 212A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 212B | Door-Exterior-Single-Two_Lite: 36" x 84" | SINGLE TWO-LITE EXTERIOR | D3 | 3' - 0" | 7' - 0" | 1 3/4" | Exterior | ALUMINUM | ALUMINUM | CLEAR ALUM | IMPACT GLAZING | 3/4 HR | |
| 213A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 214A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 215A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 216A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 217A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 218A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 219A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 220A | Door-Exterior-Double-Two_Lite: 72" x 84" INT | DOUBLE TWO-LITE INTERIOR | D2 | 6' - 0" | 7' - 0" | 1 3/4" | Interior | ALUMINUM | ALUMINUM | CLEAR ALUM | TEMPERED | 3/4 HR | |
| 221A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 222A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 223A | Single-Flush_Swing: 36" x 84" INT | SINGLE FLUSH SWING | D4 | 3' - 0" | 7' - 0" | 1 3/8" | Interior | WOOD | STEEL | STAINED | NONE | NONE | |
| 224A | Door-Exterior-Double-Two_Lite: 72" x 84" | DOUBLE TWO-LITE EXTERIOR | D1 | 6' - 0" | 7' - 0" | 1 3/4" | Exterior | ALUMINUM | ALUMINUM | CLEAR ALUM | IMPACT GLAZING | 3/4 HR | |
| Grand total: 46 | | | | | | | | | | | | | |



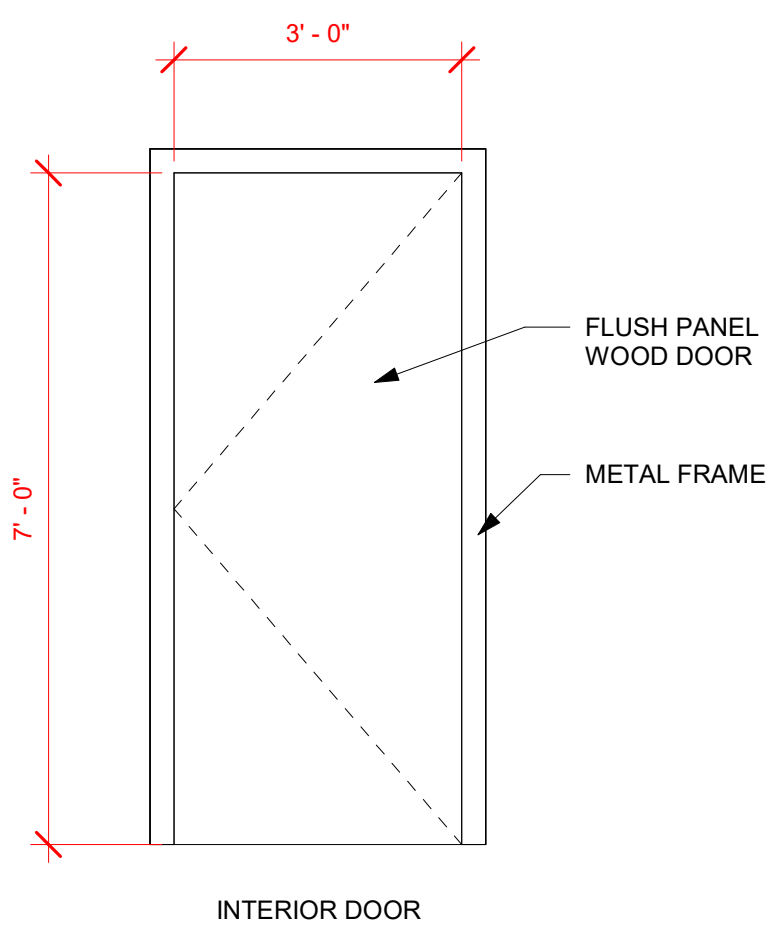
DOOR ELEVATION D1



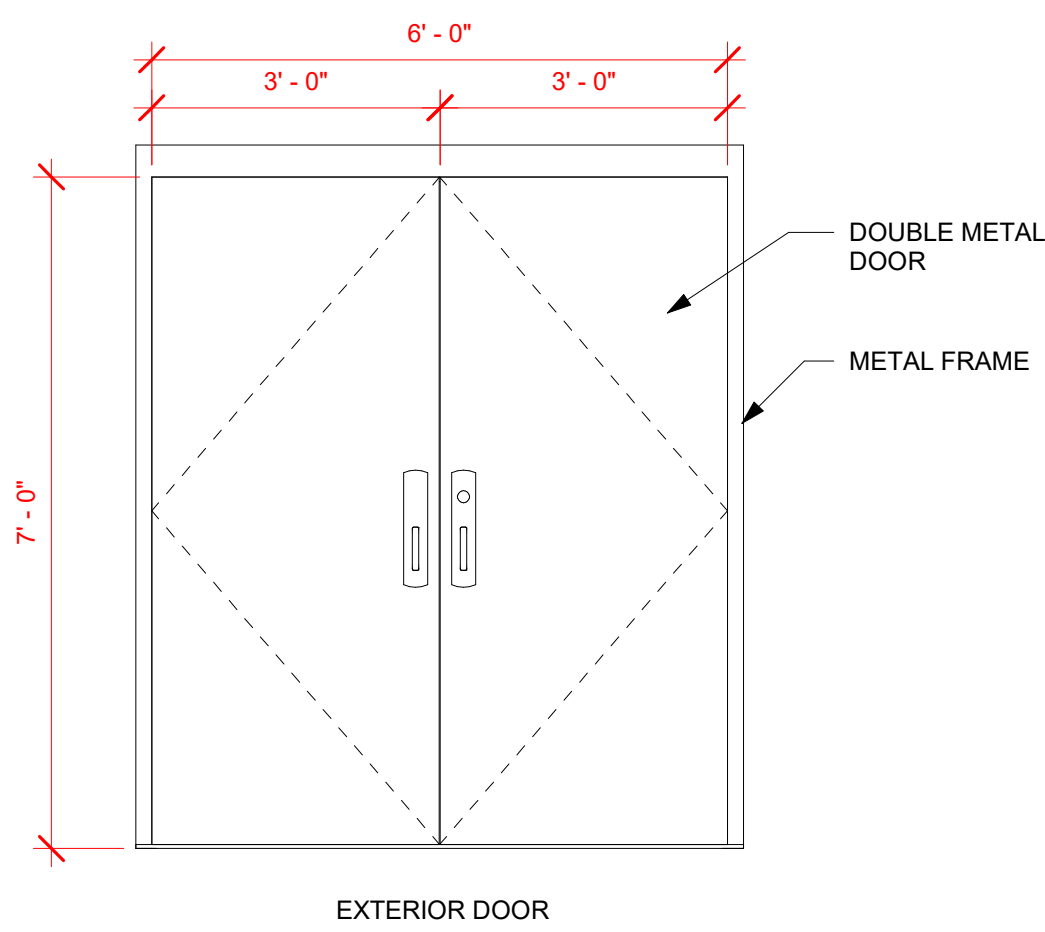
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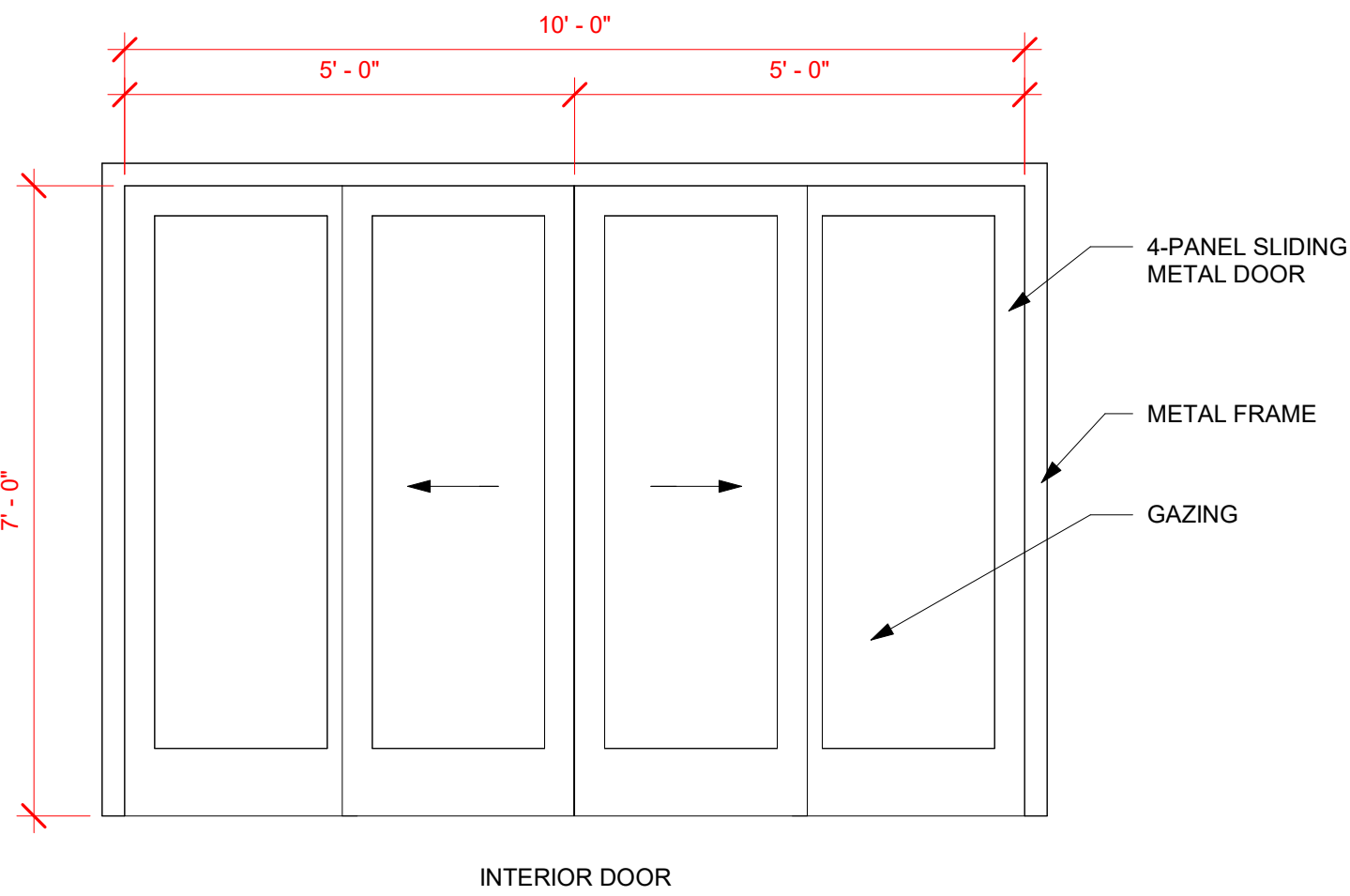
DOOR ELEVATION D3



DOOR ELEVATION D4



DOOR ELEVATION D5



DOOR ELEVATION D6

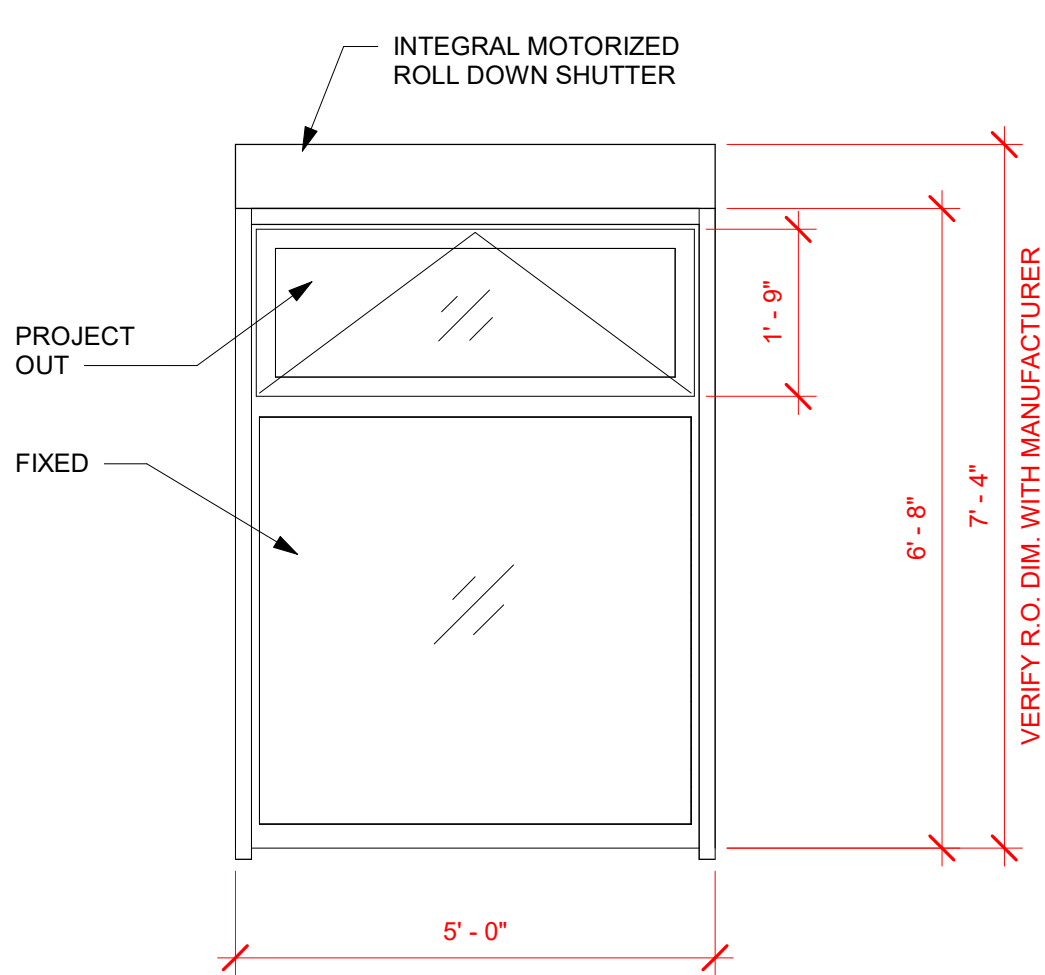
DOOR ELEVATIONS
1/2" = 1'-0"

| PROGRESS SET | | |
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| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |

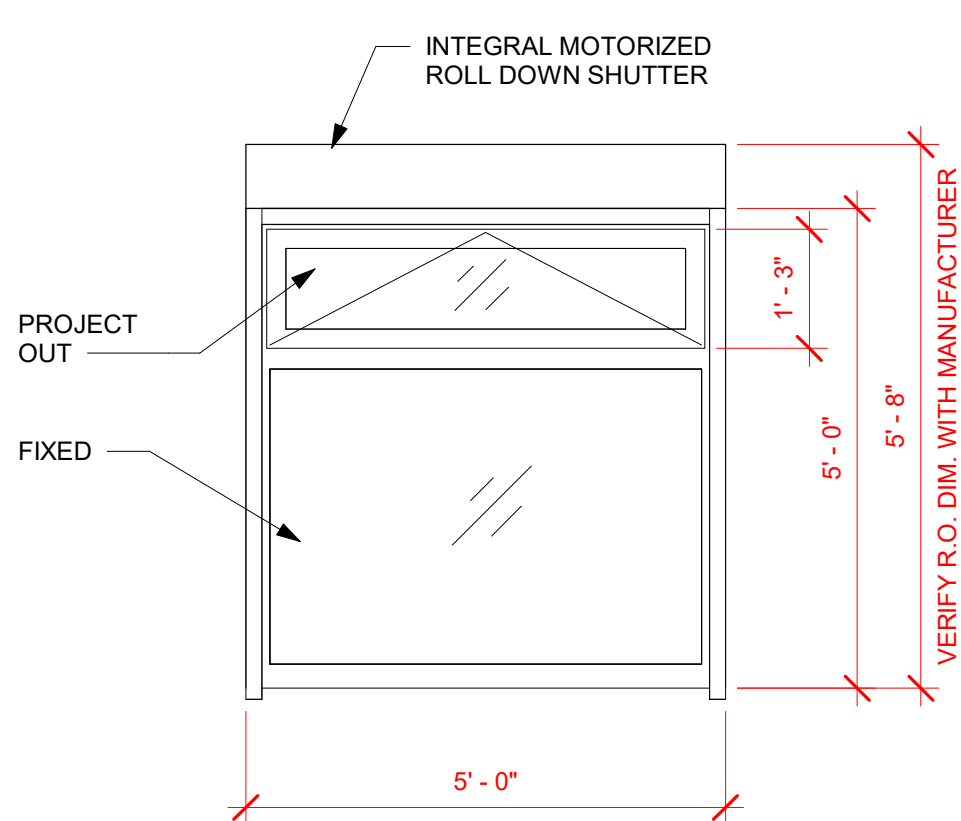
| WINDOW SCHEDULE | | | | | | | | | | |
|-----------------|-------------------------------------|-----------|--------------------|---------|-------|----------|----------------|-----------------------|-----------------------|--|
| MARK | DESCRIPTION | ELEVATION | NOMINAL DIMENSIONS | | COUNT | MATERIAL | FINISH | WIND. PRESS. REQ. (+) | WIND. PRESS. REQ. (-) | COMMENTS |
| | | | WIDTH | HEIGHT | | | | | | |
| I1 | 36" x 48" TELLER WINDOW | 7 | 3' - 0" | 4' - 0" | 1 | ALUM | CLEAR ANODIZED | N/A | N/A | INTERIOR TELLER WINDOW WITH PASS THRU |
| I2 | 96" x 48" TELLER WINDOW | 8 | 8' - 0" | 4' - 0" | 1 | ALUM | CLEAR ANODIZED | N/A | N/A | INTERIOR TELLER WINDOW WITH PASS THRU |
| W1 | 60"x80" SINGLE FIXED-AWNING WINDOW | 1 | 5' - 0" | 6' - 8" | 2 | ALUM | CLEAR ANODIZED | | | PROVIDE INTEGRAL ROLL-DOWN HURRICANE SHUTTER |
| W2 | 60"x60" SINGLE FIXED-AWNING WINDOW | 2 | 5' - 0" | 5' - 0" | 21 | ALUM | CLEAR ANODIZED | | | PROVIDE INTEGRAL ROLL-DOWN HURRICANE SHUTTER |
| W3 | 72"x80" SINGLE FIXED-AWNING WINDOW | 3 | 6' - 0" | 6' - 8" | 6 | ALUM | CLEAR ANODIZED | | | PROVIDE INTEGRAL ROLL-DOWN HURRICANE SHUTTER |
| W4 | 180"x80" TRIPLE FIXED-AWNING WINDOW | 1 | 15' - 0" | 6' - 8" | 3 | ALUM | CLEAR ANODIZED | | | PROVIDE INTEGRAL ROLL-DOWN HURRICANE SHUTTER |
| W5 | 120"x88" DOUBLE FIXED WINDOW | 6 | 10' - 0" | 7' - 4" | 4 | ALUM | CLEAR ANODIZED | | | PROVIDE INTEGRAL ROLL-DOWN HURRICANE SHUTTER |
| W6 | 76"x88" SINGLE FIXED WINDOW | 5 | 6' - 4" | 7' - 4" | 1 | ALUM | CLEAR ANODIZED | | | PROVIDE INTEGRAL ROLL-DOWN HURRICANE SHUTTER |
| W7 | 96"x88" DOUBLE FIXED WINDOW | 4 | 8' - 0" | 7' - 4" | 1 | ALUM | CLEAR ANODIZED | | | PROVIDE INTEGRAL ROLL-DOWN HURRICANE SHUTTER |

WINDOW SCHEDULE NOTES

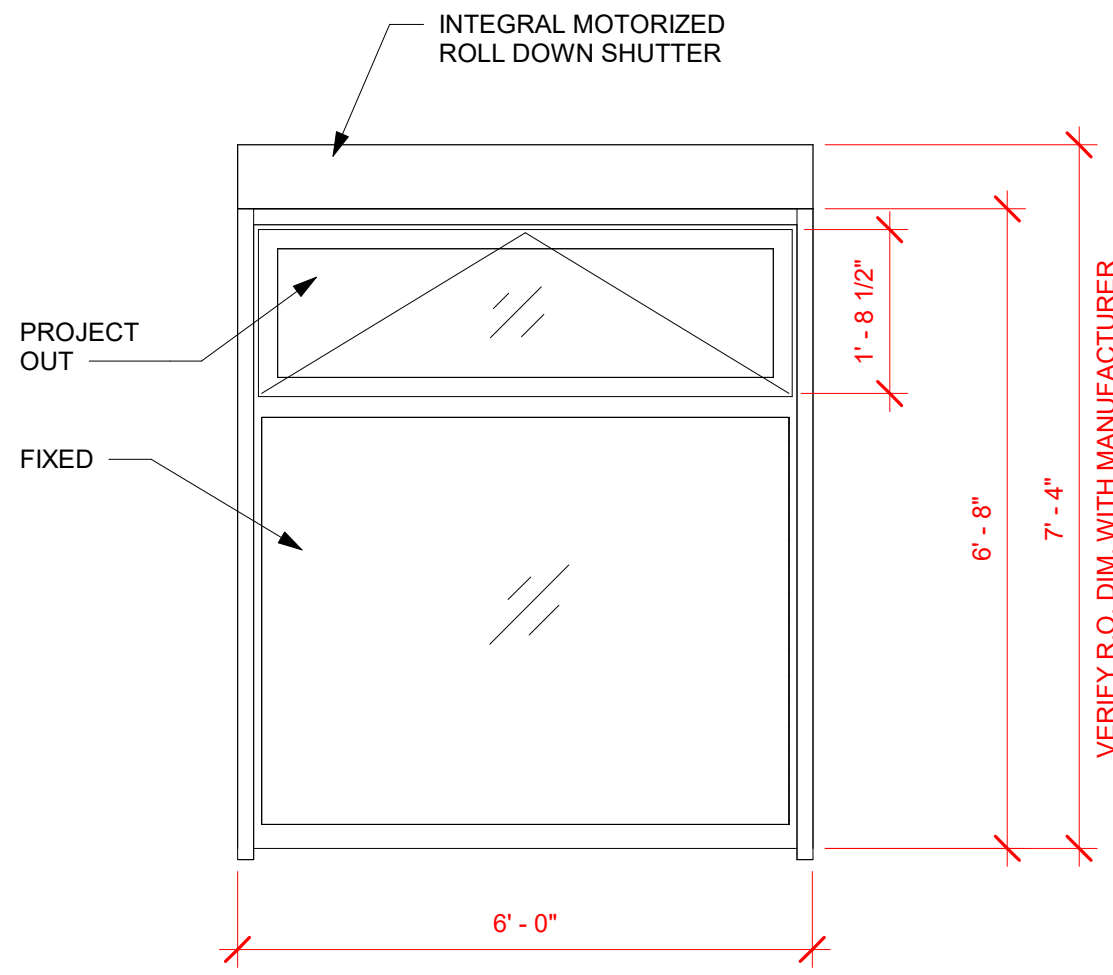
- CONTRACTOR SHALL VERIFY ROUGH OPENING REQUIREMENTS WITH MANUFACTURER. VERIFY HEIGHT REQUIREMENTS FOR INTEGRAL ROLL DOWN SHUTTERS ABOVE WINDOWS.
- PROVIDE ALL WINDOW OPERABLE PORTIONS OF WINDOW OPENINGS SHALL WITH INSECT SCREENS.



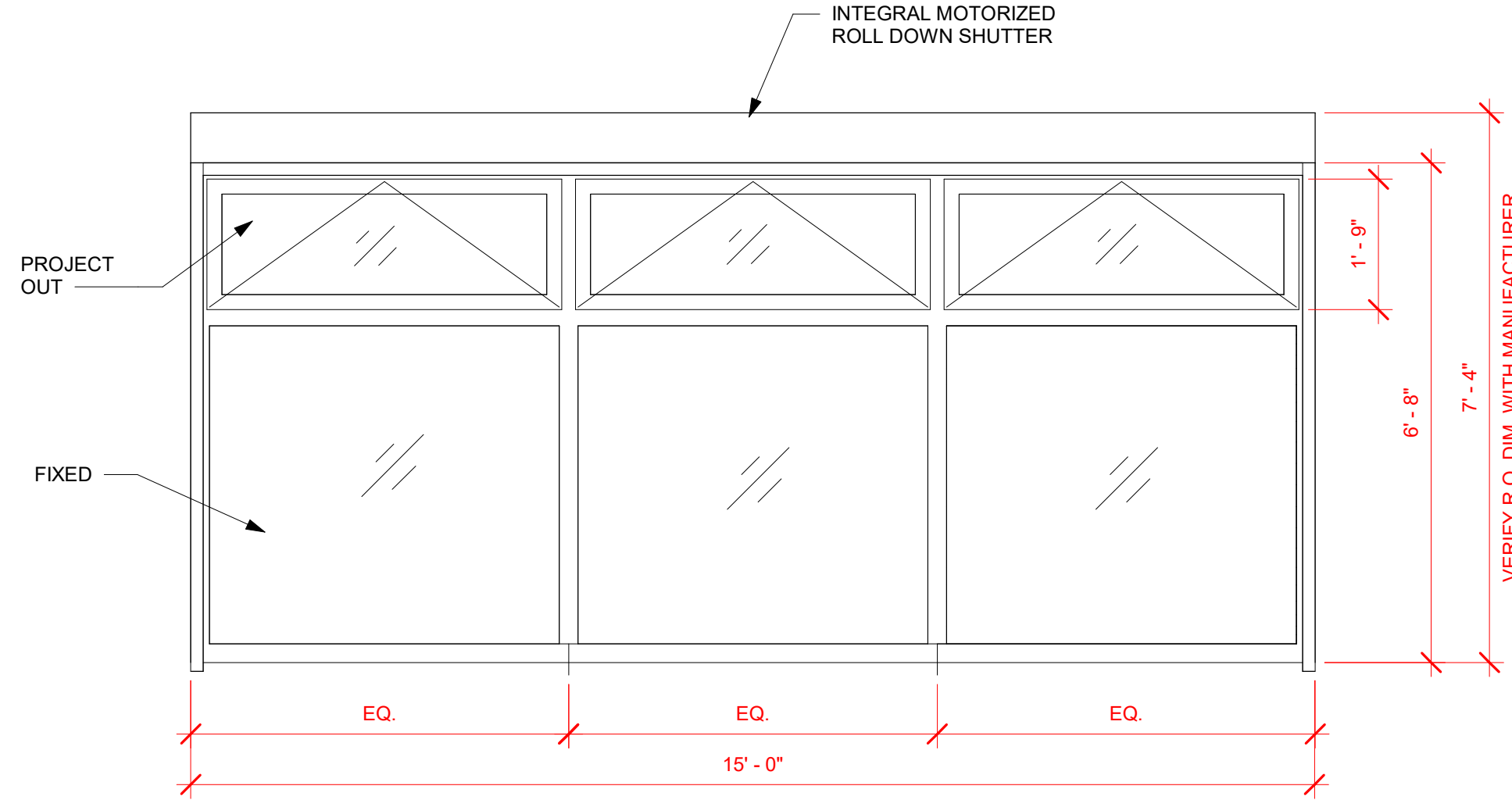
W1



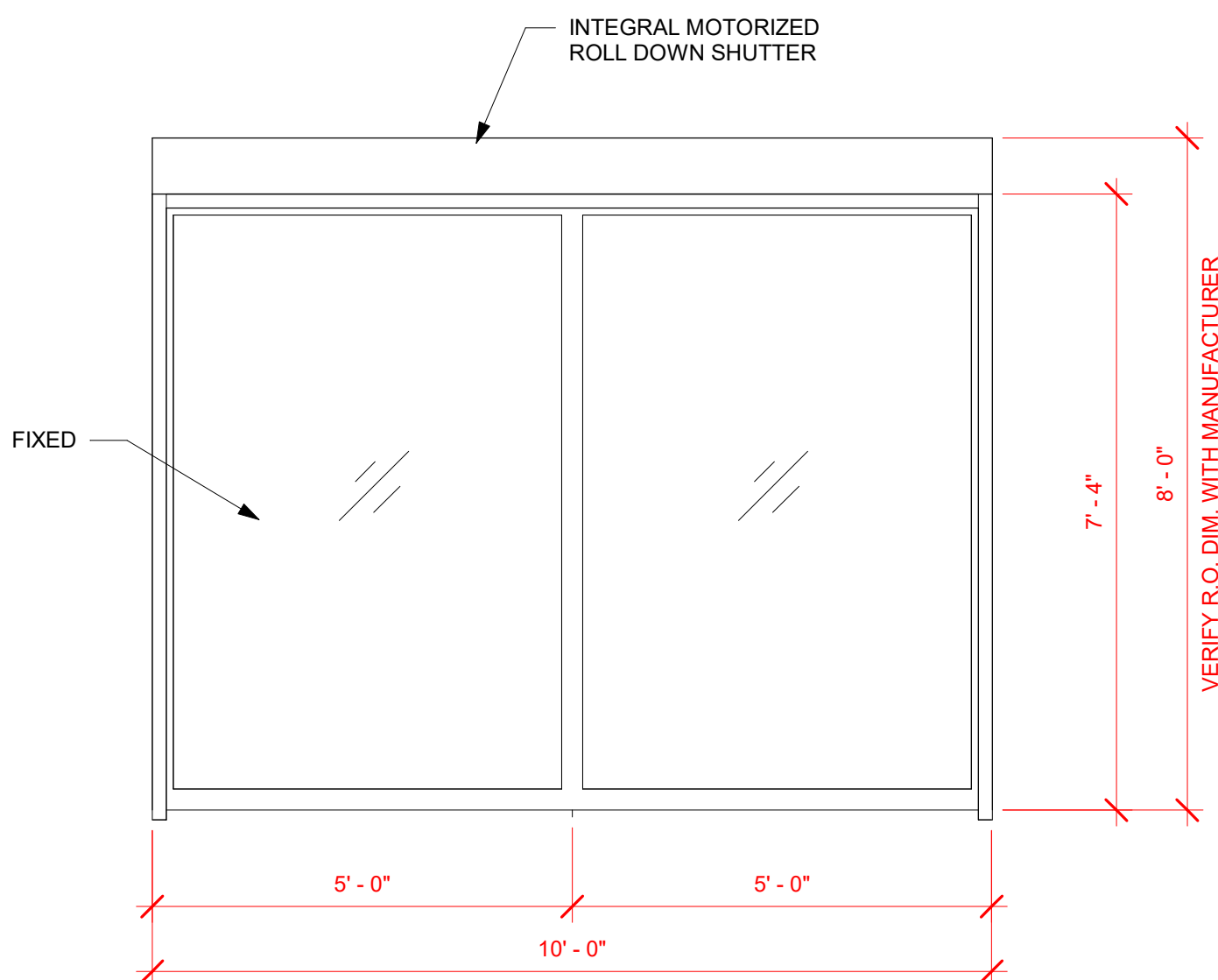
W2



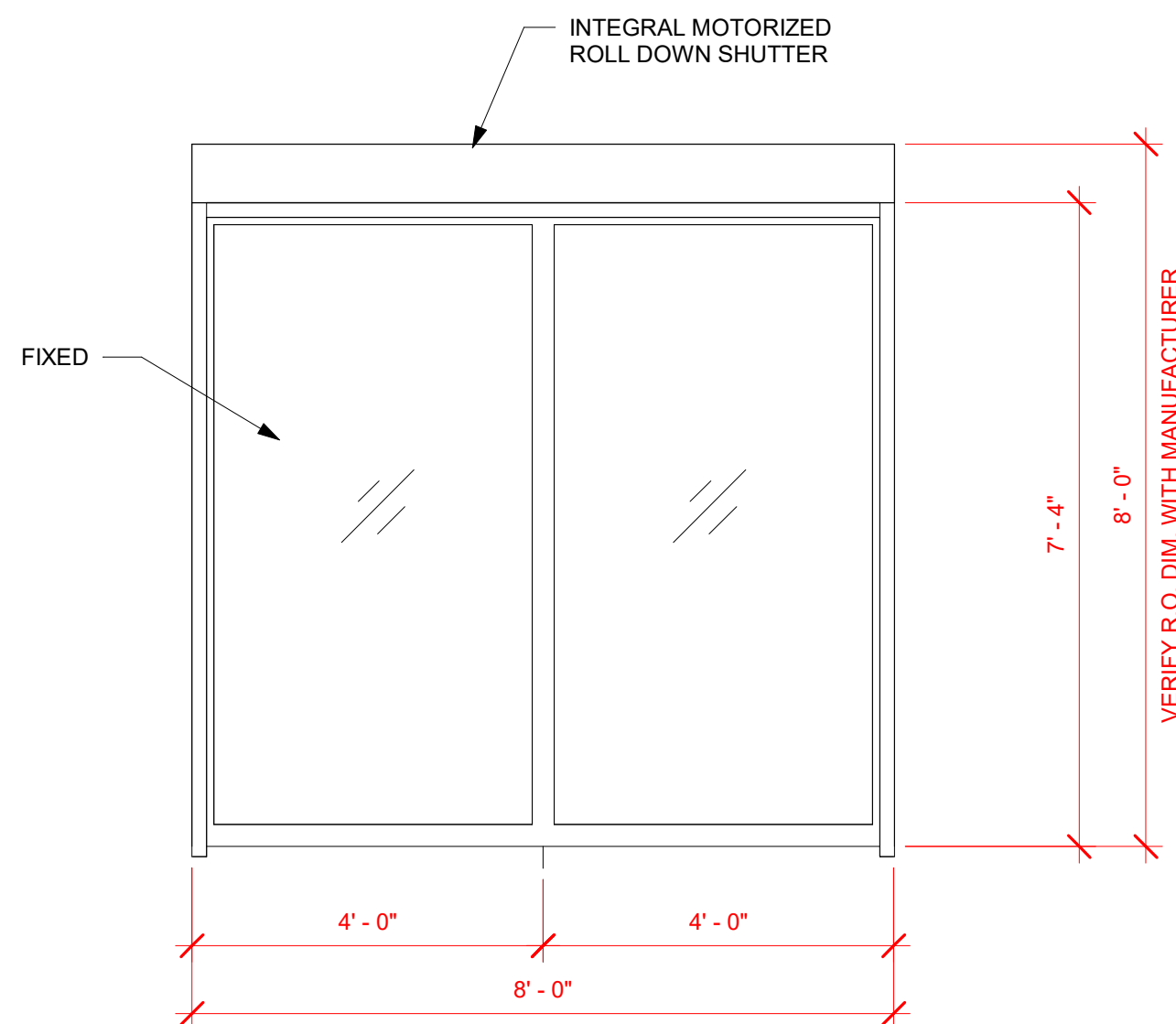
W3



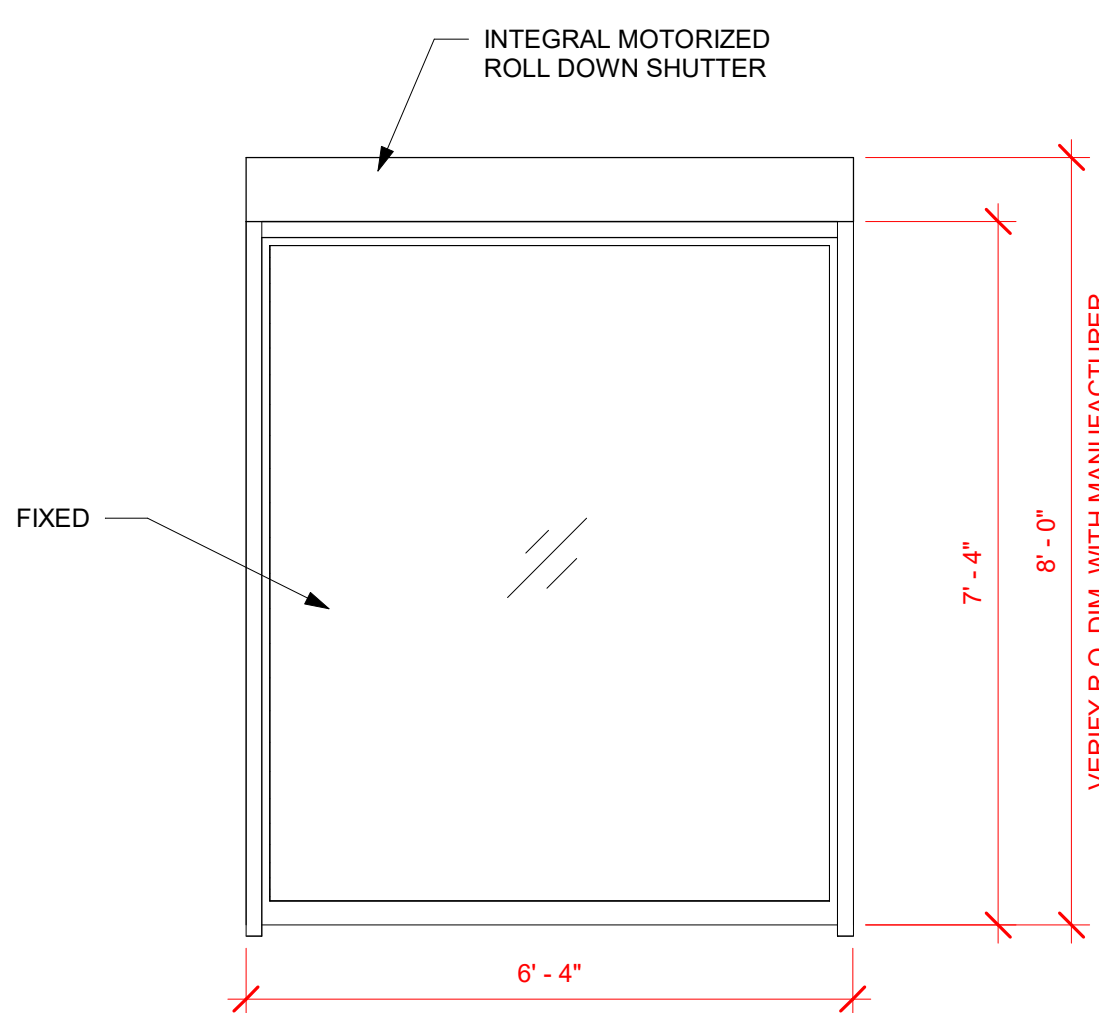
W4



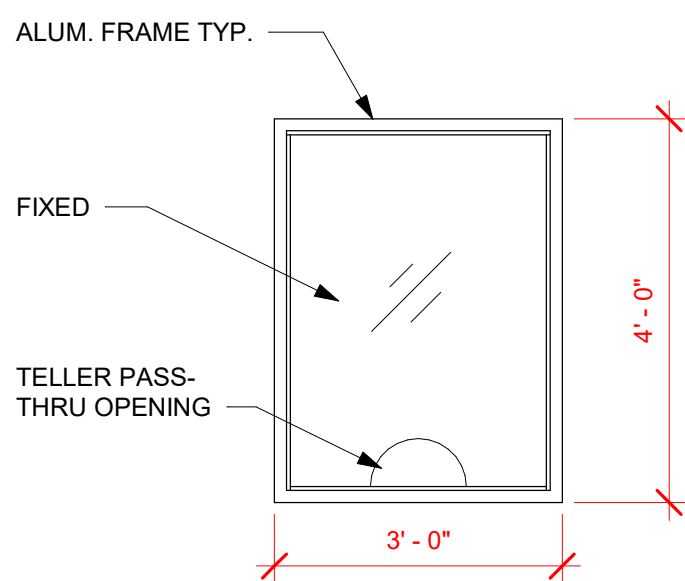
W5



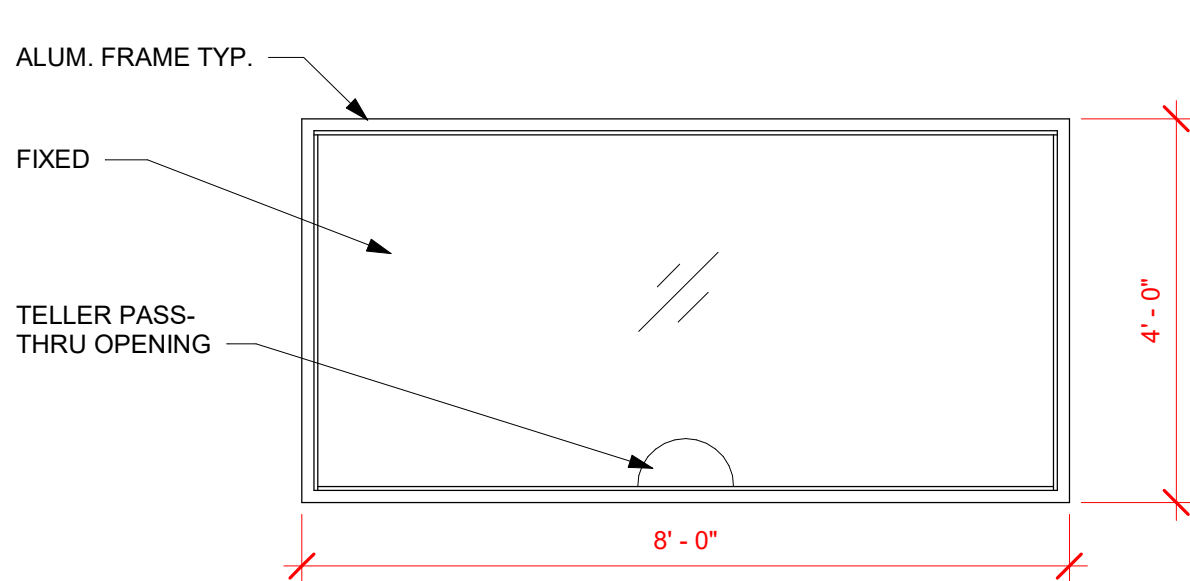
W6



W7



I1



I2

WINDOW ELEVATIONS

1/2" = 1'-0"

| ROOM FINISH SCHEDULE | | | | | | | | | | |
|----------------------|---------------------------------|------------|------|----------------|----------------|-------------|-----|-----|-----|------------------------|
| ROOM NUMBER | ROOM NAME | FLOOR | BASE | CEILING | CEILING HEIGHT | WALL FINISH | | | | COMMENTS |
| 100 | LOBBY | T-1 | B-1 | GYP BOARD | | P-1 | P-1 | P-1 | P-1 | |
| 101 | OPEN STAFF WORKSPACE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 102 | CASHIER | T-1 | B-1 | N/A | | P-1 | P-1 | P-1 | P-1 | |
| 103 | ELEC. / IT | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 104 | COPIER | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 105 | MECHANICAL | CONCRETE | B-0 | OPEN STRUCTURE | | P-1 | P-1 | P-1 | P-1 | |
| 106 | PROPERTY MANAGER | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 107 | OFFICE MANAGER | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 108 | MEETING ROOM | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 109 | EXIT | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 110 | DIRECTOR OF VETERINARY SERVICES | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 111 | DIRECTOR OF FOOD PRODUCTION | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 112 | DIRECTOR OF ABATTOIR | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 113 | DIRECTOR OF HORTICULTURE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 114 | VESTIBULE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 115 | MALE RESTROOM | T-2 | T-3 | ACT | | T-3 | T-3 | T-3 | T-3 | TILE WAINSCOT ON WALLS |
| 116 | FEMALE RESTROOM | T-2 | T-3 | ACT | | T-3 | T-3 | T-3 | T-3 | TILE WAINSCOT ON WALLS |
| 117 | JANITOR | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 118 | BREAK ROOM | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 119 | CONFERENCE ROOM/ TRAINING ROOM | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 200 | LEVEL TWO LOBBY | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 201 | VESTIBULE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 202 | CORRIDOR | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 203 | ADMINISTRATIVE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 204 | MECHANICAL | CONCRETE | B-0 | GYP BOARD | | P-1 | P-1 | P-1 | P-1 | |
| 205 | ELEC. / IT | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 206 | RESEARCH ROOM / MAP ROOM | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 207 | OFFICE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 208 | OFFICE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 209 | COPIER | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 210 | DIRECTOR OF ADMIN. & MANAGEMENT | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 211 | DEPUTY COMMISSIONER | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 212 | EXIT | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 213 | ASSISTANT COMMISSIONER | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 214 | RESTROOM | T-2 | T-2 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 215 | COMMISSIONER'S OFFICE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 216 | EXECUTIVE ASSISTANT | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 217 | FINANCIAL MANAGMENT SUPERVISOR | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 218 | ACCOUNTANT | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 219 | CHIEF PROCUREMENT OFFICER | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 220 | VESTIBULE | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 221 | MALE RESTROOM | T-1 | B-2 | ACT | | T-3 | T-3 | T-3 | T-3 | TILE WAINSCOT ON WALLS |
| 222 | FEMALE RESTROOM | T-1 | B-2 | ACT | | T-3 | T-3 | T-3 | T-3 | TILE WAINSCOT ON WALLS |
| 223 | JANITOR | T-1 | B-1 | ACT | | P-1 | P-1 | P-1 | P-1 | |
| 224 | GREEN ROOF | VEGETATION | B-0 | N/A | | N/A | N/A | N/A | N/A | |
| Grand total: 45 | | | | | | | | | | |

| ROOM FINISH SCHEDULE KEY | |
|--------------------------|---|
| ITEM | DESCRIPTION |
| FLOOR | |
| CONCRETE | SMOOTH CONCRETE SLAB FLOOR FINISH WITH CLEAR SEALER |
| VEGETATION | VEGETATED ROOOF |
| T-1 | 12x12 PORCELAIN TILE AS SELECTED BY ARCHITECT |
| T-2 | 12x12 PORCELAIN TILE AS SELECTED BY ARCHITECT |
| BASE | |
| B-0 | NO BASE |
| B-1 | 4" HIGH PRESSURE TREATED WOOD BASEBOARD WITH PAINTED FINISH |
| T-2 | 4" HIGH PORCELAIN TILE AS SELECTED BY ARCHITECT |
| T-3 | PORCELAIN TILE WAINSCOT AS SELECTED BY ARCHITECT |
| CEILING | |
| GYP BOARD | 1/2" GYPSUM WALLBOARD CEILING. PAINTED |
| ACT | 24x24 ACOUSTICAL CEILING TILE WITH GRID |
| OPEN STRUCTURE | SPACE OPEN TO STRUCTURE ABOVE |
| N/A | NOT APPLICABLE |
| WALL FINISH | |
| P-1 | INTERIOR WALL PAINT AS SELECTED BY ARCHITECT |
| T-3 | TILE WAINSCOT AS SELECTED BY ARCHITECT |
| N/A | NOT APPLICABLE |



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| | | |
|----------------|-------------|------|
| PROGRESS SET | | |
| No. | Description | Date |
| | | |
| | | |
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| | | |
| REVISIONS | | |
| No. | Description | Date |
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| | | |
| Project number | 2021.008.00 | |
| Date | 11/06/2022 | |
| Drawn by | JTB | |
| Checked by | JTB | |

ROOM FINISH SCHEDULE

A603

Scale: AS SHOWN

024116 - DEMOLITION NOTES

1. THE CONTRACTOR IS REQUIRED TO PROVIDE ALL TEMPORARY SCAFFOLDING, PLATFORMS, BARRICADES, RAILINGS, SCREENING, ETC., NECESSARY TO PROTECT EXISTING FACILITIES, STRUCTURES AND THE PUBLIC DURING DEMOLITION AND ERECTION OF THE NEW CONSTRUCTION, AS WELL AS FOR JOB SAFETY. JOB SAFETY, CONSTRUCTION AND DEMOLITION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONS TO MINIMIZE VIBRATION, NOISE, DUST AND DEBRIS IN ALL AREAS ADJACENT TO AREAS OF DEMOLITION.
2. THE CONTRACTOR IS REQUIRED TO COOR WITH THE OWNER FOR THE TEMPORARY SUSPENSION OF USE OF ANY FACILITY OR PORTION THEREOF, AND THE ASSOCIATED BARRICADING REQUIREMENTS WITHIN A MINIMUM OF 7 DAYS PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR IS REQUIRED TO PERFORM HIS WORK IN A MANNER, WHICH WILL NOT CONFLICT WITH ANY OPERATION, WHICH IS TO REMAIN FUNCTIONAL DURING THE COURSE OF THE PROJECT, UNTIL SUCH OPERATION IS SCHEDULED TO BE SHUT DOWN.
4. THE CONTRACTOR IS REQUIRED TO COOR WITH OWNER FOR THE TEMPORARY SUSPENSION OF USE OF ANY UTILITY SYSTEM, A MINIMUM OF 3 DAYS PRIOR TO COMMENCING WORK.
5. AT ALL LOCATIONS WHERE NEW CONSTRUCTION WILL INTERFACE WITH EXISTING ELEMENTS, CUT THROUGH EXISTING STRUCTURE IN STRAIGHT AND TRUE LINES TO INSURE A NEAT INTERFACE.
6. AT ALL LOCATIONS WHERE THE DEMOLITION OF A CONCRETE MEMBER LEAVES THE ENDS OF REINF STEEL EXPOSED, PROVIDE THE FOLLOWING:
A. CHIP CONCRETE FROM AROUND THE STEEL TO A DEPTH OF 1".
B. CUT OFF REINF STEEL NOT LESS THAN 3/4" BELOW THE CONCRETE SURFACE.
C. FILL THE CAVITY FLUSH WITH A HIGH MODULUS GEL EPOXY. SEE SPECIFICATIONS FOR ACCEPTED MANUFACTURERS.
7. BEFORE DEMOLISHING ANY STRUCT ELEMENT, INSTALL ALL REQUIRED TEMPORARY AND/OR PERMANENT BRACING AND SUPPORTS.
8. PROVIDE TEMPORARY CLOSURE OF ALL ROOF FASCIA, WALL AND OTHER OPNGS TO PROTECT BUILDING FROM EXPOSURE TO UNDESIRABLE ELEMENTS UNTIL NEW CONSTRUCTION IS WEATHERPROOFED, AT WHICH TIME SUCH TEMPORARY CONSTRUCTION SHALL BE REMOVED. ALL TEMPORARY EXTERIOR WALLS THAT ARE SUBJECT TO WIND LOADS ARE TO BE DESIGNED BY A DELEGATED ENGINEER.
9. UPON COMPLETION OF NEW CONSTRUCTION UNDER EACH PHASE, ALL DEMOLISHED AREAS SHALL BE RESTORED TO ACCEPTABLE USAGE ACCORDING TO THE CONTRACT DOCUMENTS AS DETERMINED BY THE A/E.
10. REMOVE COMPLETELY FROM THE SITE AND LEGALLY DISPOSE ALL DEBRIS GENERATED BY THE DEMOLITION WORK AS THE WORK PROGRESSES. STOCKPILING OF DEBRIS AND BURNING OF DEBRIS ON THE PREMISES IS STRICTLY PROHIBITED.

050529 - MECHANICAL ANCHORAGE

1. MECH ANCHORS SHALL HAVE BEEN QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PRE-APPROVED MECH ANCHORS INCLUDE:
A. SIMPSON STRONG-TIE "TITEN HD" & "TITEN HD-RH", HILTI "KWIK HUS-EZ" OR POWERS "WEDGE-BOLT+."
B. SIMPSON STRONG-TIE "STRONG-BOLT 2", HILTI "KWIK BOLT TZ" OR POWERS "POWER-STUD+ SD2"
C. SIMPSON STRONG-TIE "TORQ-CUT", HILTI "HDA" OR POWERS "ATOMIC+."
2. DIRECT FASTENERS SHALL HAVE BEEN QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC70 PRE-APPROVED POWDER-ACTUATED FASTENERS INCLUDE:
SIMPSON STRONG-TIE "POWDER ACTUATED FASTENERS, THREADED STUDS & ASSEMBLIES", HILTI "LOW VELOCITY X-U AND X-U 15 UNIVERSAL POWDER DRIVEN FASTENERS" OR POWERS "POWER DRIVEN FASTENERS"
3. MASONRY ANCHORS
ANCHORAGE TO SOLID-GROUTED CONCRETE MASONRY
MECH ANCHORS SHALL HAVE BEEN QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC01 OR AC106. PRE-APPROVED MECH ANCHORS INCLUDE:
A. SIMPSON STRONG-TIE "TITEN-HD", HILTI "KWIK HUS-EZ" OR POWERS "WEDGE-BOLT+."
B. SIMPSON STRONG-TIE "STRONG-BOLT 2" OR "WEDGE-ALL", HILTI "KWIK BOLT 3" OR POWERS "POWER-STUD+ SD1".
ADHESIVE ANCHORS SHALL HAVE BEEN QUALIFIED FOR USE IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
C. SIMPSON STRONG-TIE "SET-XP", "ET-HP", "AT-XP", HILTI "HIT-HY 70" OR POWERS "AC100+ GOLD"
4. ANCHORAGE TO UNREINFORCED CLAY BRICK MASONRY
A. ADHESIVE ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN QUALIFIED IN ACCORDANCE WITH ICC-ES AC58 OR AC60, AS APPROPRIATE. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED ADHESIVE ANCHORS WITH SCREEN TUBES INCLUDE:
B. SIMPSON STRONG-TIE "SET", "AT" OR HILTI "HIT-HY 70"

033000 - CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES AND STANDARDS (LATEST EDITIONS):
A. ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
B. ACI 117 "STANDARD TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS".
C. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
D. ACI 304 "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE".
E. ACI 305 "RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETING".
F. ACI 311 "RECOMMENDED PRACTICE FOR CONCRETE INSPECTION".
G. ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK".
H. ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
I. ACI MANUAL OF CONCRETE PRACTICE-PARTS 1 THRU 5 AS APPROPRIATE TO TYPE OF CONSTRUCTION.
J. CRSI "MANUAL OF STANDARD PRACTICE".
2. CONCRETE SHALL BE NORMAL WEIGHT UNO AND SHALL CONFORM TO ASTM C-94 IN ADDITION TO THE FOLLOWING:
A. PORTLAND CEMENT SHALL MEET ASTM C-150 TYPE I/II.
B1. AGGREGATES FOR SLAB ON GRADE SHALL MEET ASTM C-33 (1" MAX).
B2. AGGREGATES ELSEWHERE SHALL MEET ASTM C-33 (3/4" MAX).
C. AIR ENTRAINING AGENT SHALL MEET ASTM C-260.
D. WATER REDUCING AGENT SHALL MEET ASTM C-494.
E. CALCIUM CHLORIDE SHALL NOT BE USED IN THE MIX.
G. CURING COMPOUND SHALL MEET ASTM C309 TYPE 1 UNO.
3. CONCRETE SHALL HAVE THE MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS AS INDICATED BELOW. MIX DESIGNS SHALL BE APPROVED BY THE ENGINEER BEFORE USE.

| CONCRETE MIX REQUIREMENTS | | | | |
|---------------------------|-----------------|-----------|-----------|--|
| COMPONENT | 28-DAY STRENGTH | W/C RATIO | SLUMP | |
| SLAB-ON-GRADE | 4,000 PSI | 0.50 | 4 TO 6 IN | |
| FOOTINGS | 3,000 PSI | 0.50 | 4 TO 6 IN | |
| CONCRETE CAST ABOVE GRADE | 4,000 PSI | 0.45 | 4 TO 6 IN | |

4. FLY ASH, SUBSTITUTING FOR CEMENT, SHALL NOT EXCEED 25% BY WEIGHT.
5. FOR MASS CONCRETE PLACEMENT AS DEFINED BY ACI 207 FLY ASH, SUBSTITUTING FOR CEMENT, SHALL NOT EXCEED 30% BY WEIGHT.
6. REINF BARS USED IN CONCRETE SHALL BE GRADE 60 WIRE. DEFORMED BAR CONFORMING TO ASTM SPECIFICATION A-615. REINFORCEMENT SHALL BE RUST OIL, AND SCALE FREE AND SHALL BE PLACED AND BENT IN ACCORDANCE WITH THE REFERENCED STANDARDS INDICATED IN NOTE 1 OF THIS SECTION. SHOP DWGS FOR REINFORCEMENT LAYOUT, DETAILING, AND PLACING SHALL BE APPROVED BY THE STRUCT ENGINEER PRIOR TO FABRICATION, SITE DELIVERY, AND INSTALLATION.
7. WELDED WIRE FABRIC TO BE USED FOR CONCRETE REINFORCEMENT WHERE INDICATED SHALL CONFORM TO ASTM A-185 AND SHALL BE FURNISHED IN FLAT SHEETS (RATHER THAN ROLLS). FABRIC SHALL BE PERFORMED BY QUIPERS TO MAINTAIN THE BEARING LOCATION WITHIN THE CONCRETE AND SHALL BE PLACED IN ACCORDANCE WITH THE REFERENCED STANDARDS INDICATED IN NOTE 1 OF THIS SECTION. MINIMUM LAP SHALL BE TWO PANELS. CONCRETE SHALL BE CURED IN ACCORDANCE WITH ACI STANDARDS AND SPECIFICATIONS UTILIZING A CURING COMPOUND WITH FUGITIVE DYE. THE CONTRACTOR SHALL BEGIN CONCRETE CURING IMMEDIATELY AFTER FINISHING OPERATIONS ARE COMPLETED.
9. CONCRETE ADMIXTURES SHALL BE UTILIZED ONLY WITH PRIOR APPROVAL FROM THE STRUCT ENGINEER.
10. CONCRETE ADDITIVES SHALL BE COORDINATED BY THE CONTRACTOR TO INSURE COMPATIBILITY WITH FLOOR COVERINGS, EXPOSED, POLISHED, AND STAINED FINISHES AS SPECIFIED BY THE ARCH.
11. CONCRETE TESTING SHALL BE REQUIRED FOR CIP CONCRETE ELEMENTS AND SHALL BE PERFORMED BY A QUALIFIED INDEPENDENT TESTING LAB. MINIMUM TESTING SHALL BE FOR SLUMP IN ACCORDANCE WITH ASTM C143 AND FOR COMPRESSIVE STRENGTH IN ACCORDANCE WITH ASTM C39.
12. COMPRESSIVE STRENGTH TESTING SHALL BE CONDUCTED FOR EACH CLASS, FOR EVERY FIFTY CUBIC YARDS OF CONCRETE PLACED PER DAY. PLACEMENTS LESS THAN FIFTY CUBIC YARDS SHALL ALSO BE TESTED PER DAY FOR EACH CLASS. A MINIMUM OF FOUR LAB-CURED AND SIX FIELD-CURED CYLINDERS SHALL BE COLLECTED. TWO CYLINDERS SHALL BE KEPT IN RESERVE AND TESTED, IF NECESSARY, WITH PRIOR APPROVAL FROM THE STRUCT ENGINEER.
13. MIX DESIGN SUBMITTALS SHALL BE SENT TO THE STRUCT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONCRETE PLACEMENT AND SHALL BE UNIQUELY IDENTIFIED WITH MIX NUMBER AND EXACT LOCATION WHERE MIX WILL BE PLACED ON THE STRUCTURE. SUBMITTALS SHALL INCLUDE DATA FROM RECENT FIELD AND LAB CYLINDER TESTS AND STATISTICAL, TESTED BACK-UP DATA PER ACI 318.
14. CONCRETE TICKETS FOR CONCRETE MIXES DELIVERED TO THE SITE SHALL IDENTIFY THE EXACT TIME THAT THE MIX IS BATCHED, CONCRETE PLACEMENT SHALL OCCUR WITHIN ONE AND A HALF HOURS FROM THE TIME THE PROPORTIONED MIXING WATER IS ADDED TO THE MIX FOR PLACEMENT. MIXES SHALL BE DISCARDED IF THIS TIMEFRAME IS EXCEED. IT SHALL BE THE RESPONSIBILITY OF THE INDEPENDENT TESTING LAB TO ASSURE COMPLIANCE WITH PLACING TIME AND TO NOTIFY THE CONTRACTOR AND OWNER OF NON-COMPLIANCE.
15. CONCRETE FORMS SHALL NOT BE STRIPPED UNTIL CONCRETE HAS ATTAINED A MINIMUM 70% OF THE SPECIFIED 28-DAY COMPRESSIVE STRENGTH AS INDICATED BY TESTING SAMPLES.
16. LAP SPLICE LENGTHS SHALL BE A MINIMUM OF 48 BAR DIA UNO. CONCRETE CLEAR COVER OVER REINF SHALL BE IN ACCORDANCE WITH ACI 318 AS LISTED BELOW, UNLESS NOTED OTHERWISE.

| LOCATION | CLEAR COVER |
|--|-------------|
| CAST AGAINST EARTH | 3" |
| EXPOSED TO EARTH OR WEATHER #6 AND LARGER | 2" |
| EXPOSED TO EARTH OR WEATHER #5 AND SMALLER | 1 1/2" |
| SLABS AND WALLS NOT EXPOSED TO WEATHER | 3/4" |
| BEAMS AND COLUMNS NOT EXPOSED TO WEATHER | 1 1/2" |
| SLABS ON GRADE (COVER FROM TOP OF SLAB) | 1 1/2" |

16. VERT AND HORIZ REINF INDICATED ON THE DWGS SHALL BE DOVELOED OUT OF THE FOUNDATION OR THE ELEMENT WHERE THE REINF ORIGINATES, (SHEAR BEAM, THE BEAM WALL, ETC.) UTILIZING AN ACI STANDARD HOOK EMBEDDED TO DEVELOP THE FULL ULTIMATE TENSILE STRENGTH OF THE BAR.
19. FORMWORK REMOVAL IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REMOVE FORMS IN SUCH A MANNER AS TO INSURE JOB SAFETY AND TO PREVENT DAMAGE TO, AND CREEP DEFLECTION OF THE STRUCTURE.
20. IMMEDIATELY AFTER REMOVAL OF FORMS, REPAIR HONEYCOMBED OR DEFECTIVE AREAS WITH HIGH STRENGTH CEMENT GROUT. GROUT SHALL BE APPROVED BY THE STRUCT ENGINEER. WHEN REINF IS VISIBLE IN DEFECTIVE AREA, CONTACT THE STRUCT ENGINEER IMMEDIATELY.

034200 - HOLLOW-CORE SLABS

1. FLOORS SHALL BE PRESTRESSED CONCRETE HOLLOW-CORE SLABS DESIGNED IN ACCORDANCE WITH ACI 318 FOR THE SUPERIMPOSED LOAD LISTED ABOVE. BASIS OF DESIGN UTILIZED IS CORESLAB PERMITS LAB.
2. SUBMIT SHOP DWGS AND CALCULATIONS FOR REVIEW PRIOR TO FABRICATION.
3. SHOP DWGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.
4. FABRICATOR AND ERECTOR SHALL EACH HAVE FIVE YEARS CONSECUTIVE EXPERIENCE IN PROJECTS OF THIS SIZE AND NATURE.
5. CAMBER UNDER FULL DEAD LOAD SHALL NOT EXCEED L/360. SYSTEMS SHALL BE DESIGNED TO BE LEVEL, NO CAMBER OR DEFLECTION, AT FULL SUPERIMPOSED DEAD LOAD AND 25% LIVE LOAD.
6. PRECAST HOLLOW CORE SLABS:
F_c=5000 PSI (28 DAYS)
F_{ci}=3500 PSI, WITH 2" COMPOSITE NORMAL WEIGHT TOPPING
7. ACI MANUAL OF CONCRETE PRACTICE-PARTS 1 THRU 5 AS APPROPRIATE TO TYPE OF CONSTRUCTION.
REQUIREMENTS AS SPECIFIED BY MECH AND ELEC SUBCONTRACTORS IN PRECAST LAYOUT AND STRUCT DESIGN.
8. PRECAST HOLLOW CORE SLABS SHALL HAVE A MINIMUM OF 3" OF BEARING ON MASONRY WALLS PER FBC 2122.9.
9. CONTRACTOR SHALL REQUIRE ADJUSTMENT TO ACTUAL CORRECT ELEVATION.

042200 - MASONRY

1. CONFORM TO ACI BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES ACI 530/ASCE 5 AND TO ACI SPECIFICATIONS FOR MASONRY ACI 530.1/ASCE 6. LATEST EDITION REFERENCED IN BUILDING CODE.
2. CONCRETE MASONRY UNITS (CMU) MATERIALS SHALL BE:
A. ALL CONCRETE MASONRY UNITS (CMU) SHALL BE TWO CELL LIGHTWEIGHT AGGREGATE UNITS WITH A SPECIFIED MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI ON NET AREA AT 28 DAYS CONFORMING TO ASTM C90. CMU LOCATED BELOW GRADE, SHALL BE NORMAL WEIGHT AGGREGATE UNITS.
B. ALL MORTAR SHALL BE TYPE "S" OR "M" WITH A MINIMUM MORTAR COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS CONFORMING TO ASTM C270. THE MINIMUM COMPRESSIVE STRENGTH (FM) OF A PRISM ASSEMBLED OF CMU AND MORTAR SHALL BE 1500 PSI AT 28 DAYS ON THE NET AREA.
C. CMU GROUT SHALL CONFORM TO ASTM C476 WITH 3/8" AGGREGATE WITH THE FOLLOWING REQUIREMENTS: MIN F'C=3000 PSI, MIN CEMENT=611 PCY, MAX W/C RATIO=0.65 AND SHALL HAVE A SLUMP OF BETWEEN 8" AND 10". PROVIDE CLEAN OUTS AS SHOWN ON DWGS. PUMP 4'-0" MINIMUM GROUT LIFTS WITH 60 MINUTE DELAY BETWEEN LIFTS.
D. REINF STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615, GR 60.
E. JOINT REINF STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615 WITH A MINIMUM YIELD GREATER THAN 70 KSI. LONGITUDINAL WIRES SHALL BE 9 GA (0.1483" DIA) WITH LADDER TYPE WIRES CONNECTED AT 16" CENTERS. REINF SHALL BE MILL GALVANIZED PER ASTM A641, CLASS 3.
F. WHERE CONCRETE BEAMS ARE INSTALLED IN CONCRETE BLOCK WALL, SUPPORT CONCRETE WITH 6" WIDE CONTINUOUS STRIPS OF 1/8" SQUARE MESH SOFT SCREENING OF PUR-O-STOP OR EQUAL CENTERED OVER BLOCK WORK. USE OF ROOFING FELT STRIPS WILL NOT BE PERMITTED.
3. HORIZ WALL REINF
A. PROVIDE BOND BEAM COURSES IN ALL WALLS AT THE TOP OF WALL OR PARAPET AT FLOOR LEVELS (ABOVE GRADE) AND AT BEARING LOCATIONS. BOND BEAMS SHALL BE REINFORCED AS SHOWN IN PLANS AND DETAILS. ALL INTERIOR STRUCT WALLS (SHEAR AND/OR BEARING) SHALL HAVE INTERMEDIATE BOND BEAMS LOCATED AT THE SAME LEVELS AS EXTERIOR BOND BEAMS.

- B. PROVIDE BOND BEAMS AT INTERMEDIATE LOCATIONS IN EVERY SIXTH COURSE (IE: 4'-0" OC).**
4. VERT REINF
A. PROVIDE VERT REINF (NORMAL REINF) IN GROUT FILLED CELLS IN ALL WALLS AS SHOWN ON PLANS AND SCHEDULES.
B. PROVIDE AN ADDITIONAL VERT REINF BAR WITH DOWELS INTO SUPPORTING MEMBERS, WITH SAME SIZE AND LENGTH AS THE NORMAL REINF BAR, AT THE FOLLOWING LOCATIONS UNO:
1. ON EACH SIDE OF A CONTROL OR ISOLATION JOINT
2. AT INTERSECTION OF WALLS
3. EACH SIDE OF A WALL OPNGS PER MASONRY DETAILS
4. AT EACH END OF WALL
5. AT EACH BEAM BEARING
C. VERT REINF SHALL EXTEND CONTINUOUSLY FROM THE TOP OF THE SUPPORTING MEMBER TO EMBED AT LEAST 6" INTO THE TOP BOND BEAM. THERE SHALL BE A DOWEL, CAST INTEGRAL WITH THE SUPPORTING MEMBER, FOR EACH VERT REINF BAR EXCEPT AS NOTED.
5. REINF SHALL MEET THE FOLLOWING LAP, SPLICE AND EMBEDMENT REQUIREMENTS:

| | LAP OR SPLICED | FOUNDATION EMBEDMENT | DOWELS STRAIGHT EMBEDMENT |
|----------------|----------------|-----------------------|---------------------------|
| REINF BAR SIZE | LENGTH IN WALL | WITH HOOK INTO FOUND. | INTO FOUND. |
| JOINT | 16" | N/A | N/A |
| 4 | 24" | 8" | 8" |
| 5 | 30" | 10" | 19" |
| 6 | 36" | 12" | 23" |
| 7 | 42" | 14" | 27" |
| 8 | 48" | 16" | 30" |

HOOKS IF USED SHALL BE ACI STANDARD HOOKS.

- CELLS WHICH CONTAIN REINF STEEL (VERT CELLS, BOND BEAMS, LINTELS AND PILASTERS) SHALL BE FILLED SOLIDLY WITH GROUT AND UNITS SHALL BE LAID WITH FULL BED JOINTS AROUND CELLS.
- VERT CELLS TO BE FILLED SHALL HAVE VERT ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERT CELL.
- BOND BEAM AND JOINT REINF FOR INTERIOR AND EXTERIOR WALLS SHALL BE CONTINUOUS THROUGHOUT, EXCEPT AT CONTROL AND ISOLATION JOINTS. IT SHALL BE AS FOLLOWS:
A. INTERMEDIATE (LADDER) REINF SHALL BE DISCONTINUOUS AT CONTROL JOINTS. REINFORCEMENT IN BOND BEAMS AT FLOOR AND ROOF DIAPHRAGM LEVELS SHALL BE CONTINUOUS.
B. AT ISOLATION JOINTS, ALL REINF SHALL BE DISCONTINUOUS.
9. BARS AROUND PERIMETER OF OPNGS SHALL EXTEND NOT LESS THAN 40 BAR DIA OR 24", WHICHEVER IS LARGER, BEYOND THE CORNER OF THE OPNG VERT JAMB BARS SHALL BE THE SAME SIZE AND NUMBER AS THE NORMAL VERT REINF.
10. SEE PLANS AND SCHED FOR LINTELS OVER OPNGS.
11. LOCATION AND DETAILS OF CONTROL JOINTS AND ISOLATION JOINTS IN REINFORCED MASONRY SHALL BE AS SHOWN ON THE ARCH DWGS. THE MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 25'-4" AND ISOLATION JOINTS SHALL BE AT A LENGTH TO HEIGHT RATIO OF 4:1 OR 100'-0" OC, WHICHEVER IS LESS. CONTRACTOR SHALL SUBMIT A JOINT LAYOUT PLAN FOR APPROVAL PRIOR TO CONSTRUCTION.
12. ALL MASONRY IN CONTACT WITH SOIL SHALL BE NORMAL WEIGHT UNITS AND HAVE ALL VOIDS FILLED WITH GROUT.
13. MASONRY WALL TO INTERLOCK (50% MASONRY BOND) AT ALL INTERSECTING WALLS.
14. SPECIAL INSPECTION IN ALL CMU WORK IS REQUIRED BY A QUALIFIED INSPECTOR AT CONTRACTOR'S EXPENSE.

054400 - COLD-FORMED METAL TRUSSES

1. DESIGN, FABRICATE AND ERECT LIGHT GAGE TRUSSES IN ACCORDANCE WITH AISI S6-971 - SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCT MEMBERS, 1996, WITH 2000 SUPPLEMENT. ERECTION PLANS, TRUSS AND CONNECTION CALCULATIONS, DESIGNED BY THE CONTRACTOR, SHALL BE SUBMITTED FOR THE FILES OF THE STRUCT ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
2. TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS:
ROOF TOP CHORD DEAD LOAD-----XX PSF
CHORD DEAD LOAD-----10 PSF
ROOF TOP CHORD LIVE LOAD-----XX PSF
DESIGN ROOF TRUSSES TO RESIST A WIND UPLIFT PRESSURE APPLIED NORMAL TO THE ROOF PLANE. SEE NET UPLIFT PLAN.
IN ADDITION TO THE ABOVE LOADS, LIGHT GAGE TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. SEE STRUCT ROOF FRAMING PLAN AS WELL AS MECH, ELEC AND PLUMB DWGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE GC.
5. INDICATE ALL LIGHT GAGE TRUSS CONNECTIONS AND BRACING, TEMPORARY AND PERMANENT, IN THE SHOP DWGS. CONNECTORS AND BRACING MEMBERS SHALL BE FURNISHED BY THE TRUSS MANUFACTURER AND INSTALLED BY THE CONTRACTOR. SHOP DWGS THAT DO NOT INCLUDE THESE DETAILS WILL RESULT IN SHOP DWGS BEING RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.
6. TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER.
7. COMPLY WITH AWS D1.1 AND AWS D1.3, AS APPLICABLE, FOR WELDING BASE METAL THICKER THAN 1/8 INCH THICK. QUALIFY WELDING PIPESSES AND WELDING OPERATORS IN ACCORDANCE WITH AWS B2.1.
8. VERT LIVE LOAD DEFLECTION ON ROOF TRUSSES SHALL BE LESS THAN OR EQUAL TO 1/240 OF SPAN.
9. DESIGN FRAMING SYSTEMS TO PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVER STRESSING. SHEATHING FAILURE, CONNECTION FAILURE, UNDOE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO MAXIMUM AMBIENT TEMPERATURE RANGE OF 120 DEGREES F (67 DEGREES C).
10. STORE TRUSSES ON BLOCKING, PALLETS PLATFORMS OR OTHER SUPPORTS OFF THE GROUND AND IN AN UPRIGHT POSITION SUFFICIENTLY BRACED TO AVOID DAMAGE FROM EXCESSIVE BENDING.
11. PROTECT TRUSSES AND ACCESSORIES FROM CORROSION, DEFORMATION, DAMAGE AND DETERIORATION WHEN STORED AT JOB SITE. KEEP TRUSSES FROM BEING DAMAGED BY WEATHER.
12. DURING CONSTRUCTION, ADEQUATELY DISTRIBUTE ALL LOADS APPLIED TO TRUSSES SO AS NOT TO EXCEED THE CARRYING CAPACITY OF ANY ONE JOINT, TRUSS OR OTHER COMPONENT.
13. PROVIDE MANUFACTURER'S STANDARD STEEL TRUSS MEMBERS, BRACING, BLOCKING, REINFORCEMENTS, FASTENERS AND ACCESSORIES WITH EACH TYPE OF STEEL FRAMING REQUIRED, AS RECOMMENDED BY TYPE OF STEEL FRAMING REQUIRED, AS RECOMMENDED BY THE MANUFACTURER FOR THE APPLICATION INDICATED AND AS NEEDED TO PROVIDE A COMPLETE LIGHT GAUGE TRUSS SYSTEM.
14. PROVIDE HOT-DIPPED GALVANIZED COATING FINISH, MINIMUM G90/Z275.
15. BRACING, BRIDGING AND BLOCKING MEMBERS: FABRICATE COMPONENTS OF ASTM A 553A 65M CS TYPE B STEEL SHEET WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
16. FASTENERS: MANUFACTURER RECOMMENDED SELF-DRILLING, SELF TAPPING SCREWS WITH CORROSION-RESISTANT PLATED FINISH OF SUFFICIENT SIZE AND NUMBER TO ENSURE THE STRENGTH OF THE CONNECTION.

133419 - PRE-ENGINEERED METAL BUILDING SYSTEMS

1. FOUNDATION DESIGN IS FOR A PRE-ENGINEERED BUILDING BY OTHERS. SUBMIT BUILDING REACTIONS TO FOUNDATION ENGINEER FOR REVIEW PRIOR TO FOUNDATION POUR.
2. STRUCT STEEL SHALL BE IN ACCORDANCE WITH THE AISI SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCT STEEL FOR BUILDINGS, DATED NOV. 1, 1978. ROOF SHAPES SHALL BE IN ACCORDANCE WITH ASTM A992 GRADE 50, UNLESS DESIGNED DIFFERENTLY BY PRE-ENGINEERED METAL BUILDING MANUFACTURERS ENGINEER.
3. PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED FOR ALL LOADS PRESCRIBED HEREIN. SUBMIT SHOP DWGS SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED TO THE FOUNDATION ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
4. ANCHOR BOLTS SHALL BE DESIGNED BY METAL BUILDING MANUFACTURER'S REGISTERED ENGINEER. SUBMIT SHOP DWGS AND ANCHOR BOLT LAYOUTS TO FOUNDATION ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
5. THE ENGINEER OF RECORD RESERVES THE CHOICE TO INCREASE CERTAIN FOUNDATION SIZES UNDER THE METAL BUILDING COLUMNS IF THE REACTIONS REPORTED BY THE METAL BUILDING MANUFACTURER ARE SUBSTANTIALLY HIGHER THAN THOSE PRELIMINARY CALCULATED.

050519 - CHEMICAL ADHESIVE ANCHORAGE

1. ADHESIVE ANCHORS SHALL HAVE BEEN QUALIFIED FOR USE IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS (ACI 318-11 D.9.2.2). HOLES SHALL BE DRY AT THE TIME OF INSTALLATION (ACI 318-11 D.9.2.1). ADHESIVES SHALL HAVE MAX IN-SERVICE SHORT-TERM TEMPERATURE OF 150°F, AND MAX IN-SERVICE LONG-TERM TEMPERATURE OF 110°F (ACI 318-11 D.9.2.1). PRIOR TO INSTALLATION OF ADHESIVE ANCHORS IN HORIZ OR UPWARDLY INCLINED ORIENTATIONS RESISTING SUSTAINED TENSION LOADS, INSTALLERS ARE REQUIRED TO BE CERTIFIED IN ACCORDANCE WITH THE ACI(CRS) ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM (ACI 318-11 D.9.2.2) AND MUST BE CONTINUOUSLY INSPECTED (ACI 318-11 D.9.2.4). PRE-APPROVED ADHESIVE ANCHORS INCLUDE:
2. SPECIFIED POST-INSTALLED ANCHORS SHALL BE AS MANUFACTURED BY HILTI AND SHALL BE ASTM F593 CW2 HAS-R 316 STAINLESS STEEL RODS OF DIA AND EMBEDMENT SPECIFIED ON DWGS AND WITH A MINIMUM YIELD STRENGTH OF 45 KSI. ANCHOR ASSEMBLIES SHALL BE SET IN HY-200 ADHESIVE.
3. ANCHORS SHALL BE SUBJECT TO CONTINUOUS SPECIAL INSPECTION IN ACCORDANCE WITH THE MPII, RELEVANT ICC-ES ESR EVALUATION REPORTS, AND SECTION 018100.
4. INSTALLATION OF ANCHORS SHALL ONLY BE PERFORMED BY CERTIFIED ADHESIVE ANCHOR INSTALLERS QUALIFIED BY ACI IN THE INSTALLATION OF THE ADHESIVE ANCHOR SYSTEM SPECIFIED ON THESE DWGS.
5. CONFIRM THE ABSENCE OF REINF STEEL BY DRILLING A 1/4" DIA PILOT HOLE FOR EACH ANCHOR. DO NOT CUT REINF STEEL WITHOUT APPROVAL OF THE STRUCT ENGINEER.
6. BLOW OUT HOLES WITH COMPRESSED AIR AND USE NYLON BRUSH PER MANUFACTURER'S RECOMMENDATIONS TO REMOVE COMPLETELY ALL DUST AND CHIPS BEFORE APPLYING EPOXY. ALL EPOXY WORK MUST BE INSPECTED FOR VERIFICATION.
8. ALL INSTANCES OF DRILLING & EPOXYING MUST BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER TO REVIEW FOR CAPACITY AND APPLICATION.



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GENERAL NOTES

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GENERAL NOTES

S001

034100 - PRECAST STRUCTURAL CONCRETE

- ALL PRECAST/PRE STRESSED CONCRETE PRODUCTS SHALL BE DESIGNED IN ACCORDANCE WITH THE BUILDING CODE, ACI 318 LATEST EDITION REFERENCED IN BUILDING CODE AND PCI DESIGN HANDBOOK. SHOP DWGS AND CALCULATIONS OF PRECAST/PRE STRESSED PRODUCTS AND CONNECTIONS SHALL BE SUBMITTED BEARING THE SEAL OF AN ENGINEER REGISTERED IN THE STATE OF THE PROJECT. PRECAST/PRE STRESSED SUPPLIER SHALL BE CERTIFIED BY PCI.
- ADDITIONAL DESIGN REQUIREMENTS ARE:
 - BEARING PADS SHALL BE DESIGNED AND SUPPLIED BY THE PRECAST MANUFACTURER TO ABSORB ALL REQUIRED MOVEMENT WITHOUT SLIPPAGE. THE MINIMUM THICKNESS OF BEARING PADS SHALL BE 1/4" UNO. BEARING PADS SHALL BE LOCATED A MINIMUM OF 1/2" AWAY FROM THE FACE OF THE SUPPORT.
 - MEMBERS SHALL NOT BE REMOVED FROM THE FORMS UNTIL THE CONCRETE HAS REACHED SUFFICIENT STRENGTH TO RESIST REMOVAL WITHOUT DAMAGE. IN NO CASE, SHALL PRECAST MEMBERS BE REMOVED PRIOR TO ATTAINING A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI. PRE STRESSED MEMBERS SHALL NOT BE REMOVED PRIOR TO ATTAINING A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI.
 - PRECAST MEMBERS AND THEIR CONNECTIONS SHALL BE DESIGNED FOR THE LOADS SHOWN ON THE DWGS, IN ADDITION TO THE SELF WEIGHT OF THE MEMBER AND FOR ALL THE CONDITIONS NOTED IN ACI 318. CONNECTIONS SHALL BE DESIGNED FOR FORCES AND MOVEMENTS DUE TO VOLUMETRIC CHANGES RESULTING FROM TEMPERATURE CHANGE, ELASTIC DEFORMATIONS, CREEP AND SHRINKAGE. BEAM TO BEAM AND BEAM TO COLUMN CONNECTIONS SHALL BE DESIGNED FOR A MINIMUM ULTIMATE FORCE (HORIZONTALSHEAR OR TENSION) OF KIPS.
 - ALL COLUMNS AND WALL PANELS, SUPPORTED ON FOUNDATIONS, SHALL HAVE THE HORIZ JOINT GROUTED WITH A NON-SHRINK GROUT WHICH HAS A COMPRESSIVE STRENGTH AT 28 DAYS EQUAL TO OR GREATER THAN THAT OF THE SUPPORTED MEMBER.
 - FLOOR AND ROOF MEMBERS SHALL BE CONNECTED TO ADJACENT MEMBERS WITH WELDED STEEL ANCHORS SPACED AT 10"-0" OC MAXIMUM, AND A MINIMUM OF TWO ANCHORS PER MEMBER ON EACH SIDE UNO.
- MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS:

| CONCRETE | MIN. F'C PSI |
|----------------------------------|--------------|
| HOLLOW CORE SLAB | 5000 |
| REINF | ASTM |
| REINF BARS | A615 |
| WELDABLE REINF BARS(DBA) | A706 |
| WELDED WIRE FABRIC | A188 |
| PRE STRESSING STRAND (LOW RELAX) | A416 |

| ASTM | GRADE |
|------|-------|
| A615 | 60 |
| A706 | 60 |
| A188 | 60 |
| A416 | 270 |

- CONTRACTOR TO COOR ALL OPNG SIZES, LOCATIONS AND INSERTS PRIOR TO POURING THE PANELS. CONTRACTOR SHALL ENSURE THAT ALL BOND BREAKERS, FORMS, AND PANEL TEXTURE AS REQUIRED HAVE BEEN PROPERLY APPLIED AND PLACED.
- PANEL ERECTION AND REINF SHOP DWGS, SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF THE PROJECT SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL LIFTING AND BRACING INSERTS AND ANY ADDITIONAL PANEL AND INSERT REINF THAT MAY BE REQUIRED FOR STRESSES DUE TO TRANSPORTATION, HANDLING AND ERECTION. PANELS SHALL BE DESIGNED AND DETAILED FOR LIFTING AND HANDLING CONDITIONS FOR AN EXPERIENCED PANEL LIFTING ENGINEER.
- TEMPORARY BRACING FOR PANELS SHALL NOT BE REMOVED UNTIL ALL FLOOR DIAPHRAGMS AND LATERAL LOAD CONNECTIONS ARE FULLY CONNECTED, WELDED AND INSTALLED.
- ALL LIFTING EMBEDS AND HARDWARE SHALL BE RECESSED AND THE RESULTING HOLES FILLED AS REQUIRED AFTER ERECTION IS COMPLETED.
- PROVIDE STANDARD HOOKS AT DISCONTINUOUS ENDS OF TOP BAR

METAL BUILDINGS

- FOUNDATION DESIGN IS FOR A PRE-ENGINEERED BUILDING BY OTHERS. SUBMIT BUILDING REACTIONS TO FOUNDATION ENGINEER FOR REVIEW PRIOR TO FOUNDATION POUR.
- STRUCT STEEL SHALL BE IN ACCORDANCE WITH THE AISI SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCT STEEL FOR BUILDINGS. DATED NOV. 1, 1978. ROLLED SHAPES SHALL BE IN ACCORDANCE WITH ASTM A992 GRADE 50, UNLESS DESIGNED DIFFERENTLY BY PRE-ENGINEERED METAL BUILDING MANUFACTURERS ENGINEER.
- PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED FOR ALL LOADS PRESCRIBED HEREIN. SUBMIT SHOP DWGS SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED TO THE FOUNDATION ENGINEER PRIOR TO FABRICATION OR CONSTRUCTION.
- ANCHOR BOLTS SHALL BE DESIGNED BY METAL BUILDING MANUFACTURERS REGISTERED ENGINEER. SUBMIT SHOP DWGS AND ANCHOR BOLT LAYOUTS TO FOUNDATION ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- THE ENGINEER OF RECORD RESERVES THE CHOICE TO INCREASE CERTAIN FOUNDATION SIZES UNDER THE METAL BUILDING COLUMNS IF THE REACTIONS REPORTED BY THE METAL BUILDING MANUFACTURER ARE SUBSTANTIALLY HIGHER THAN THOSE PRELIMINARY CALCULATED.

STEEL JOIST OPEN-WEB MEMBERS

- ROOF JOISTS SHALL BE DESIGNED TO SUPPORT THE FOLLOWING LOADS:

| | |
|------------|--------|
| DEAD LOAD: | 00 PSI |
| LIVE LOAD: | 00 PSI |
- IN ADDITION TO THE UNIFORM LOADING SPECIFIED FOR JOISTS DESIGN, THE JOISTS SUPPLIER SHALL INCLUDE ANY CONCENTRATED LOADS CAUSED BY ARCHITECTURAL FEATURES OR MECHANICAL EQUIPMENT IN THE JOISTS DESIGN.
- SEE ARCHITECTURAL DRAWINGS FOR BEARING CONDITIONS AND DIMENSIONS OF JOISTS.
- CATALOG JOIST SHOP DRAWINGS INCLUDING CONNECTIONS AND LAYOUT SHALL BE SUBMITTED FOR REVIEW.
- JOISTS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH APPLICABLE STANDARDS.
- UNLESS NOTED OTHERWISE ON DRAWINGS, JOISTS SUPPLIER SHALL BE RESPONSIBLE FOR DESIGNING AND SUPPLYING ALL TEMPORARY AND PERMANENT BRACING REQUIRED BY DESIGN, ALL JOIST-TO-JOIST CONNECTIONS AND ALL UPLIFT CONNECTIONS AT BEARING LOCATIONS.

LIGHT GAGE METAL

- EXTERIOR WALLS TO UTILIZE A MINIMUM OF 16 GAGE @ 12" O.C. OR HEAVIER COLD FORMED FRAMING, PER PLANS.
- ALL MEMBERS SHALL BE COLD FORMED FROM GALVANIZED STRUCTURAL QUALITY SHEET STEEL MEETING. 16 GAGE AND HEAVIER Fy = 50 KSI (MIN) AND 18 GA. AND LIGHTER, Fy=33KSI. MATERIAL SHALL MEET THE REQUIREMENTS OF ASTM A446 GRADE A, OR ASTM A653.
- ALL MEMBERS SHALL HAVE A GALVANIZED FINISH COMPLYING WITH ASTM A525 G90 COATING.
- STRUCTURAL PROPERTIES OF STUDS SHALL BE COMPUTED IN ACCORDANCE WITH AISI SPECIFICATION FOR DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS (AISIT).
- EXTERIOR METAL STUDS SHALL BE SPACED PER PLANS. AT EXTERIOR WALLS PROVIDE (1) ROW OF LATERAL BRACING AT PANEL EDGES. ELSEWHERE PROVIDE HORIZONTAL BRIDGING PER MANUFACTURERS RECOMMENDATIONS. STUD TRACKS SHALL BE EQUAL 14 GA. TRACK. SPLICE SHALL OVERLAP MIN. OF 6" WITH 4 FASTENERS PER SPLICE.
- PROVIDE WALL BRACING AND CONNECTION DETAILS AS RECOMMENDED BY THE STUD MANUFACTURER IN COORDINATION WITH DETAILS ON SHEET S000
- PROVIDE MANUFACTURER'S STANDARD STEEL RUNNERS, BLOCKING, LINTELS, CLIP ANGLES, BRACING, REINFORCEMENTS, FASTENERS AND ACCESSORIES FOR APPLICATIONS INDICATED AS NEEDED TO PROVIDE A COMPLETE STEEL FRAMING SYSTEM AS RECOMMENDED BY MANUFACTURER OR AS SHOWN ON SHEET S000
- WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E70XX ELECTRODES. ALL WELDS SHALL BE TOUCHED UP WITH A ZINC-RICH PROTECTIVE PAINT FOR CORROSION RESISTANCE.
- ALL STUDS SHALL BE FULL LENGTH. NO SPlicing PERMITTED UNLESS SPECIFICALLY DETAILED.
- ALL METAL TO METAL CONNECTIONS TO BE WELD OR SCREW ATTACHMENTS AS REQUIRED BY MANUFACTURER OR AS SHOWN ON SHEET S000
- SCREWS, SELF DRILLING AND SELF TAPPING, CADMIUM PLATED FOR ALL EXTERIOR USES.
- WIRE TIED CONNECTIONS, POP RIVETS AND CRIMPING ARE NOT PERMITTED.
- DEFLECTION CRITERIA
 - EXTERIOR WALLS L/240 FOR BRITTLE FINISHES (LATERAL)
- MATERIAL DESCRIPTIONS:
 - LIGHT GAGE STEEL SECTIONS:

| | | | | |
|---------------|------------------|-----------|--------------|--------------|
| C-STUDS | 6"x1 5/8"x16 GA. | Fy=50 KSI | Fu=65 KSI | lx=2.85 IN^4 |
| Sx=0.961 IN^3 | | | | |
| TRACK | 6"x15/8"x14 GA. | Fy=33 KSI | Fu=35.64 KSI | lx=2.88 IN^4 |
| Sx=0.933 IN^3 | | | | |
 - TYPICAL FASTENERS FOR LIGHT GAGE C-STUDS, TRACKS AND FLAT STRAP BRACING: #12-14 SELF-DRILLING, SELF-TAPPING SHEET METAL SCREWS.
 - TYPICAL FASTENERS FOR LIGHT GAGE C-STUDS AND TRACKS TO STRUCTURAL BUILDING ELEMENT.
 - OTHER LIGHT GAUGE SECTIONS PER MANUFACTURER.

PRE-ENGINEERED COLD-FORMED STEEL TRUSSES

- DESIGN, FABRICATE AND ERECT LIGHT GAGE TRUSSES IN ACCORDANCE WITH AISI SG-971 - SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS; 1996, WITH 2000 SUPPLEMENT. ERECTION PLANS, TRUSS AND CONNECTION CALCULATIONS, DESIGNED BY THE CONTRACTOR, SHALL BE SUBMITTED FOR THE FILES OF THE STRUCTURAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS:

| | |
|-------------------------------|--------|
| ROOF TOP CHORD DEAD LOAD----- | 00 PSI |
| CHORD DEAD LOAD----- | 10 PSF |
| ROOF TOP CHORD LIVE LOAD----- | 00 PSI |
- DESIGN ROOF TRUSSES TO RESIST A WIND UPLIFT PRESSURE APPLIED NORMAL TO THE ROOF PLANE. SEE NET UPLIFT PLAN.
- IN ADDITION TO THE ABOVE LOADS, LIGHT GAGE TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO STRUCTURAL ROOF FRAMING PLAN AS WELL AS MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE GENERAL CONTRACTOR.
- INDICATE ALL LIGHT GAGE TRUSS CONNECTIONS AND BRACING, TEMPORARY AND PERMANENT, ON THE SHOP DRAWINGS. CONNECTORS AND BRACING MEMBERS SHALL BE FURNISHED BY THE TRUSS MANUFACTURER AND INSTALLED BY THE CONTRACTOR. SHOP DRAWINGS THAT DO NOT INCLUDE THESE DETAILS WILL RESULT IN SHOP DRAWINGS BEING RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.
- TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER.
- COMPLY WITH AWS D1.1 AND AWS D1.3, AS APPLICABLE. FOR WELDING BASE METALS LESS THAN 1/8 INCH THICK, QUALIFY WELDING PROCESSES AND WELDING OPERATORS IN ACCORDANCE WITH AWS B2.1.
- VERTICAL LIVE LOAD DEFLECTION ON ROOF TRUSSES SHALL BE LESS THAN OR EQUAL TO 1/240 OF SPAN.
- DESIGN FRAMING SYSTEMS TO PROVIDE FOR MOVEMENT OF FRAMING MEMBERS WITHOUT DAMAGE OR OVER STRESSING, SHEATHING FAILURE, CONNECTION FAILURE, UNDUE STRAIN ON FASTENERS AND ANCHORS, OR OTHER DETRIMENTAL EFFECTS WHEN SUBJECT TO MAXIMUM AMBIENT TEMPERATURE RANGE OF 120 DEGREES F (67 DEGREES C).
- STORE TRUSSES ON BLOCKING, PALLETS PLATFORMS OR OTHER SUPPORTS OFF THE GROUND AND IN AN UPRIGHT POSITION SUFFICIENTLY BRACED TO AVOID DAMAGE FROM EXCESSIVE BENDING.
- PROTECT TRUSSES AND ACCESSORIES FROM CORROSION. DEFORMATION, DAMAGE AND DETERIORATION WHEN STORED AT JOB SITE. KEEP TRUSSES FREE OF DIRT AND OTHER FOREIGN MATTER.
- DURING CONSTRUCTION, ADEQUATELY DISTRIBUTE ALL LOADS APPLIED TO TRUSSES SO AS NOT TO EXCEED THE CARRYING CAPACITY OF ANY ONE JOIST, TRUSS OR OTHER COMPONENT.
- PROVIDE MANUFACTURER'S STANDARD STEEL TRUSS MEMBERS, BRACING, BRIDGING, BLOCKING, REINFORCEMENTS, FASTENERS AND ACCESSORIES WITH EACH TYPE OF STEEL FRAMING REQUIRED, AS RECOMMENDED BY TYPE OF STEEL FRAMING REQUIRED, AS RECOMMENDED BY THE MANUFACTURER FOR THE APPLICATION INDICATED AND AS NEEDED TO PROVIDE A COMPLETE LIGHT GAUGE NEEDED TO PROVIDE A COMPLETE LIGHT GAUGE COLD-FORMED STEEL TRUSS SYSTEM.
- PROVIDE HOT-DIPPED GALVANIZED COATING FINISH, MINIMUM G90/Z275.
- BRACING, BRIDGING AND BLOCKING MEMBERS, FABRICATE COMPONENTS OF ASTM A 653/A 653M CS TYPE B STEEL SHEET WITH A MINIMUM YIELD STRENGTH OF 33 KSI.
- FASTENERS: MANUFACTURER RECOMMENDED SELF-DRILLING, SELF TAPPING SCREWS WITH CORROSION-RESISTANT PLATED FINISH OF SUFFICIENT SIZE AND NUMBER TO ENSURE THE STRENGTH OF THE CONNECTION.

WOOD CONSTRUCTION

- WOOD FRAMING MEMBERS: #2 SOUTHERN YELLOW PINE (SYP) WITH AN ALLOWABLE BENDING STRESS (Fb) = 1050 PSI AND A MODULUS OF ELASTICITY (E) = 1,600,000 PSI
- ROOF SHEATHING: 3/4" PLYWOOD APA STRUCTURAL I RATED SHEATHING EXPOSURE 1, PANEL IDENTIFICATION INDEX 48/28 WITH EDGE SUPPORTS PER FBC TABLE 2304.7(3). LONG DIMENSION OF PANEL PERPENDICULAR TO SUPPORTS.
- ROOF SHEATHING FASTENING, UNLESS NOTED: SEE DETAIL 0/S000
- EXTERIOR PLYWOOD SHEATHING WALL: 5/8" PLYWOOD APA STRUCTURAL I RATED SHEATHING EXPOSURE 1, PANEL IDENTIFICATION INDEX 40/20. LONG DIMENSION OF PANEL PERPENDICULAR TO SUPPORTS.
- EXTERIOR PLYWOOD SHEATHING WALL NAILING PATTERN: 10d NAILS AT 6 INCHES AT EDGES AND 12 INCHES IN THE FIELD OF THE PANEL.
- ALL SAWN LUMBER IN CONTACT WITH STEEL, METAL STUDS, MASONRY OR CONCRETE, SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) STANDARDS.

LUMBER FRAMING

- ALL NON-PREFABRICATED LOAD BEARING FRAMING MEMBERS SHALL BE #1 SOUTHERN YELLOW PINE 19% MOISTURE CONTENT UNLESS NOTED OTHERWISE.
- STUDS IN LOAD BEARING WALLS MAY BE DOUGLAS FIR, SOUTHERN YELLOW PINE OR SPRUCE (#1 OR BETTER), UNLESS NOTED OTHERWISE.
- ALL PLYWOOD SHEATHING SHALL BE APA RATED, SEE PLAN.
- LVL AND PSL LUMBER SHALL BE MICROLAM OR PARALLAM LUMBER AS MANUFACTURED BY TRUSS JOIST.
- WOOD JOIST TRUSSES SHALL BE MANUFACTURED BY TRUSS JOIST MC MILLAN.
- WOOD CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG-TIE CONNECTORS, INC.

FOUNDATION PLAN NOTES

- REFERENCE TOP OF SLAB ELEVATION PER PLAN. SEE CIVIL DRAWINGS FOR ACTUAL ELEVATIONS.
- TOP OF FOOTINGS AS NOTED IN PLAN, UNLESS SHOWN OTHERWISE OR REVISED BY GEOTECHNICAL ENGINEER.
- FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES.
- FOR LOCATION OF SLAB DEPRESSIONS, SEE ARCHITECTURAL DRAWINGS.
- FOOTING SIZES FOR BUILDING PER FOOTING SCHEDULE.
- COORDINATE/VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
- TERMITE POISON TREATMENT UNDER SLAB PER LOCAL CODE REQUIREMENTS.
- STEP FOOTING, SEE DETAIL S/000 FOR ADDITIONAL INFORMATION. GENERAL CONTRACTOR TO COORDINATE STEP FOOTING LOCATIONS AND PROVIDE SHOP DRAWINGS WITH THE EXACT LOCATION OF STEP FOOTING.
- PROVIDE CORNER BARS WHERE ALL FOOTINGS CHANGE DIRECTION AND AT FOOTING INTERSECTIONS. SEE SECTION 0/S000 FOR FURTHER INFORMATION.
- SLAB CONTROL JOINTS NOT TO EXCEED 16'-0" IN EACH DIRECTION FOR THE 4" CONCRETE SLAB. SEE DETAIL 0/S000 AND PROVIDE SHOP DRAWINGS WITH THE EXACT LOCATION OF CMU WALL CONTROL JOINTS AND SLABS.
- GENERAL CONTRACTOR TO COORDINATE ALL CMU CONTROL JOINTS. NOT TO EXCEED 25'-4" OR MATCH SLAB CONTROL JOINTS. (SEE NOTES IN DETAIL 0/S000) AND PROVIDE SHOP DRAWINGS WITH THE EXACT LOCATION OF CMU WALL CONTROL JOINTS AND SLABS.
- SEE ARCHITECTURE DRAWINGS FOR LOCATION/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NONBEARING PARTITION WALLS NOT SHOWN ON STRUCTURAL PLANS. SEE GENERAL NOTES FOR ADDITIONAL WALL FRAMING INFORMATION.
- PROVIDE A SINGLE COURSE BOND BEAM THROUGHOUT ALL MASONRY @ 8'-0" (BOTTOM OF BOND BEAM) IN ADDITION TO BOND BEAM @ TOP OF DECK AND AT TOP OF PARAPETS SHOWN ON ELEVATIONS.

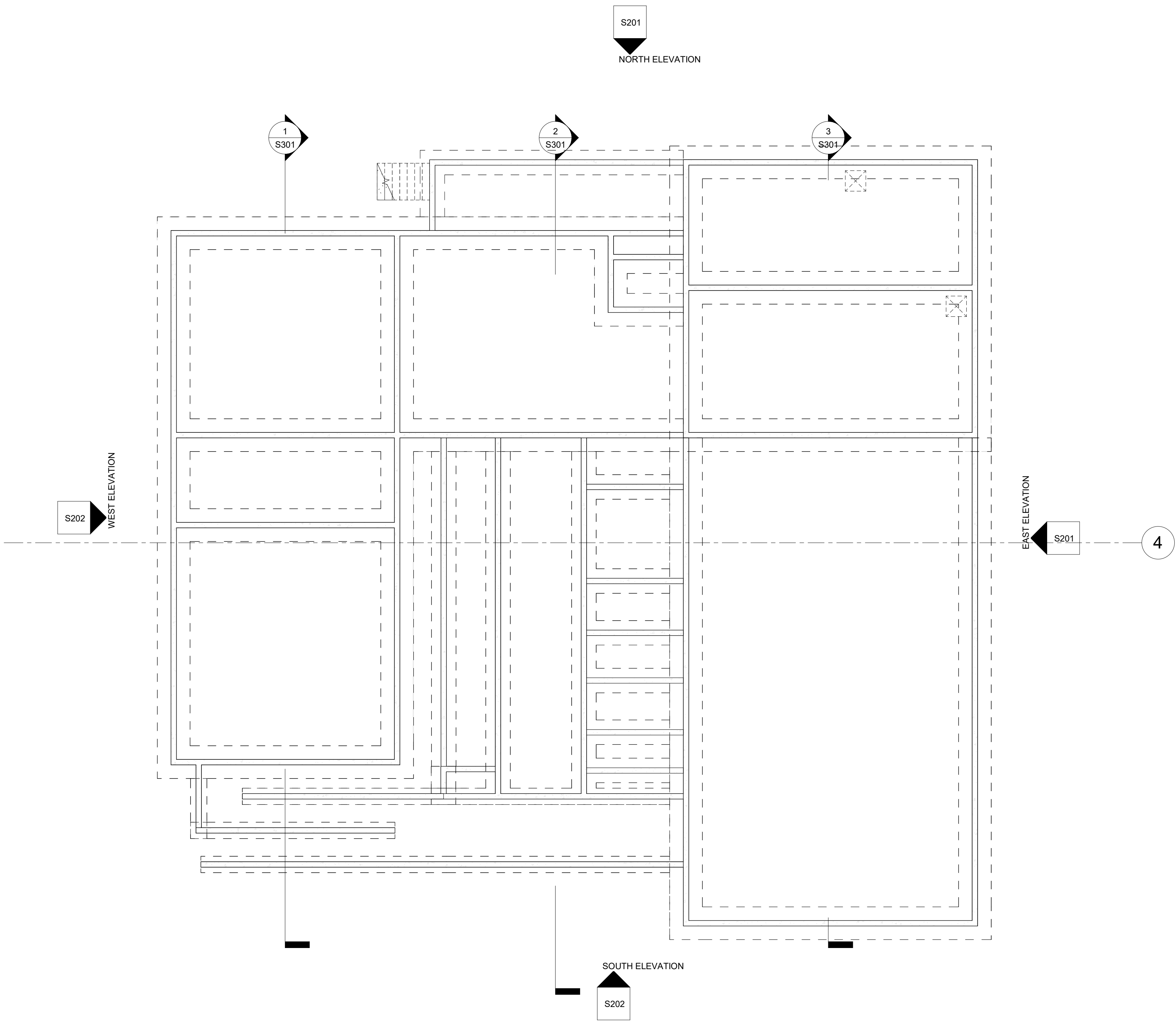
ROOF FRAMING PLAN NOTES

- ROOF CONSTRUCTION "ROOFING" COORDINATE WITH ARCHITECTURAL DRAWINGS.
- SEE MECHANICAL DRAWINGS FOR EXACT LOCATION "ON JOISTS" OF MECHANICAL UNITS. JOISTS MANUFACTURER/SUPPLIER TO DESIGN FOR UNITS WEIGHT AND ADDITIONAL MISCELLANEOUS ROOF FRAMING UNIT SUPPORT AND AROUND ROOF OPENINGS, ETC." AS REQUIRED. VERIFY UNIT WEIGHTS WITH MECHANICAL DRAWINGS.
- VERIFY ROOF SLOPE WITH ARCHITECTURAL DRAWINGS PRIOR TO FABRICATION AND CONSTRUCTION.
- ROOF FASTENER DECKING PATTERN, SEE DETAIL 0/S000
- REFER TO SECTION 0/S000 FOR BOND BEAM STEP DOWN REINFORCEMENT INFORMATION AT DECK BRIDGING ELEVATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR TOP OF PARAPET STEP LOCATIONS. PROVIDE CMU JOINTS AT PARAPETS STEPS. SEE DETAIL 0/S000
- GENERAL CONTRACTOR TO COORDINATE WITH MECHANICAL AND STRUCTURAL IF RTU RELOCATION NEEDED DUE TO ANY STEEL INTERFERENCE.
- PRE-ENGINEERED AWNINGS BY SPECIALTY ENGINEER. GENERAL CONTRACTOR TO SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS FOR REVIEW BY STRUCTURAL ENGINEER OF RECORD.
- SEE GENERAL NOTES FOR ADDITIONAL BOND BEAMS AT 8'-0".

COPY AND PASTE CONTENTS INTO A LEGEND VIEW. DELETE THIS VIEW AFTERWARDS. DELETE THIS NOTE ALSO.

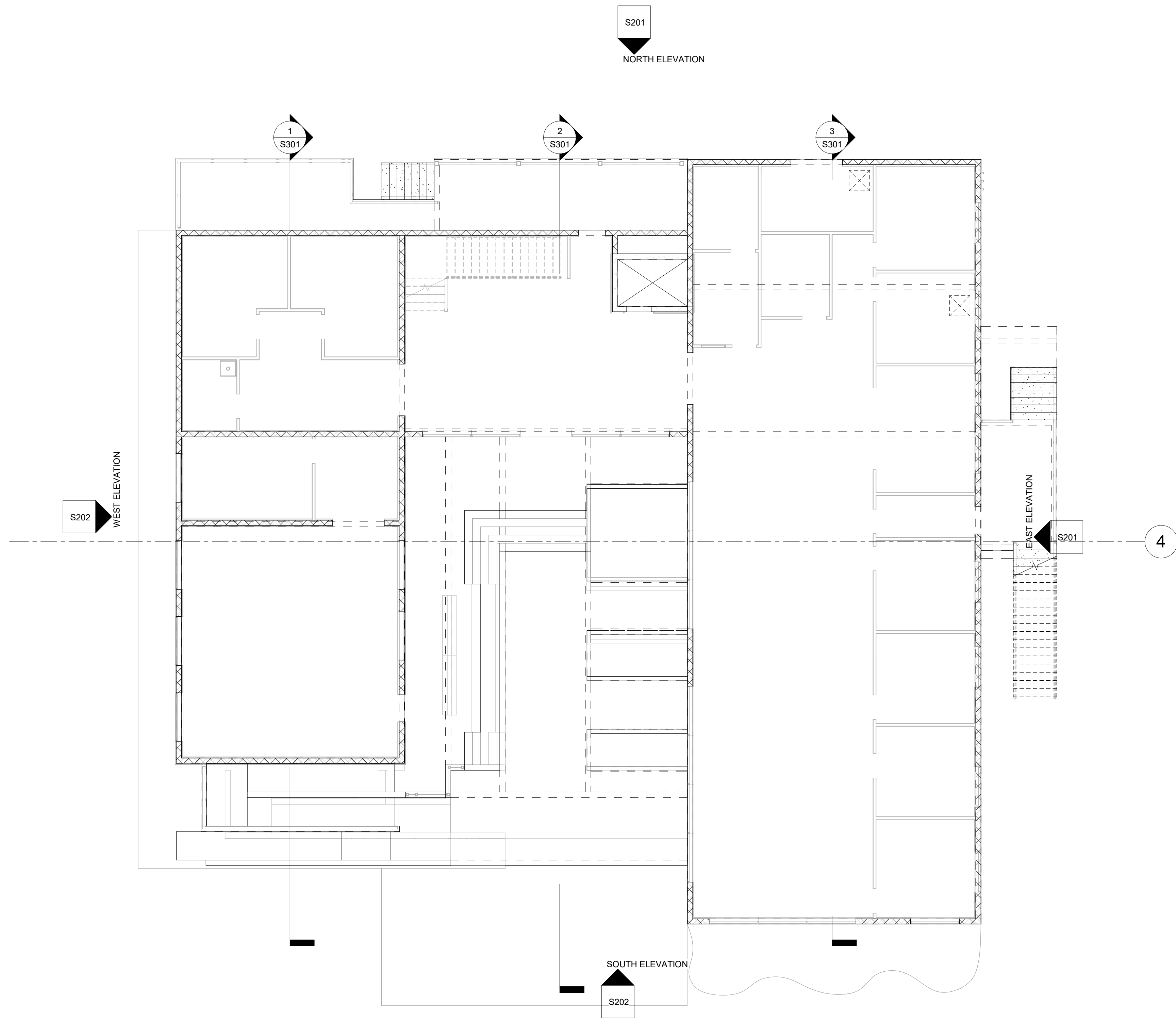
ELEVATED FLOOR FRAMING NOTES

- TOP OF CONCRETE SLAB ELEVATION XX'-XX", TYP, UNLESS NOTED OTHERWISE. TOP OF SECOND FLOOR STEEL BEAMS ELEVATION = XX'-XX", TYP, UNO.
- SEE ARCH DWGS FOR LOCATION/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN.
- XX" COMPOSITE SLAB (XX" METAL DECK + XX" TOPPING) SEE SHEET SXXX FOR DECK ATTACHMENT AND REINFORCEMENT DETAILS.
- SEE GENERAL NOTES FOR DECK GEOMETRICAL PROPERTIES.
- FOR DIMENSIONS BETWEEN COLUMNS, SEE COLUMN DIMENSION LINES.
- SEE ARCH AND PLUMB DWGS FOR DRAIN LOCATION AND SLOPES.



1 FOUNDATION PLAN
1/8" = 1'-0"

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| Project number | 22091001 | |
| Date | Issue Date | |
| Drawn by | Author | |
| Checked by | Checker | |



① LVL 1 PLAN
1/8" = 1'-0"



AGENCY
VIRGIN ISLANDS
DEPARTMENT OF AGRICULTURE
1 Estate Lower Love
St. Croix, VI 00850
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ARCHITECT
BOSCHULTE ARCHITECTURE, LLC
PO Box 303190
St. Thomas, VI 00803
41-42 Koppers Gate
St. Thomas, VI 00802
phone: (340) 777-2375
e-mail: boschulte@outlook.com
website: www.boschulte.com

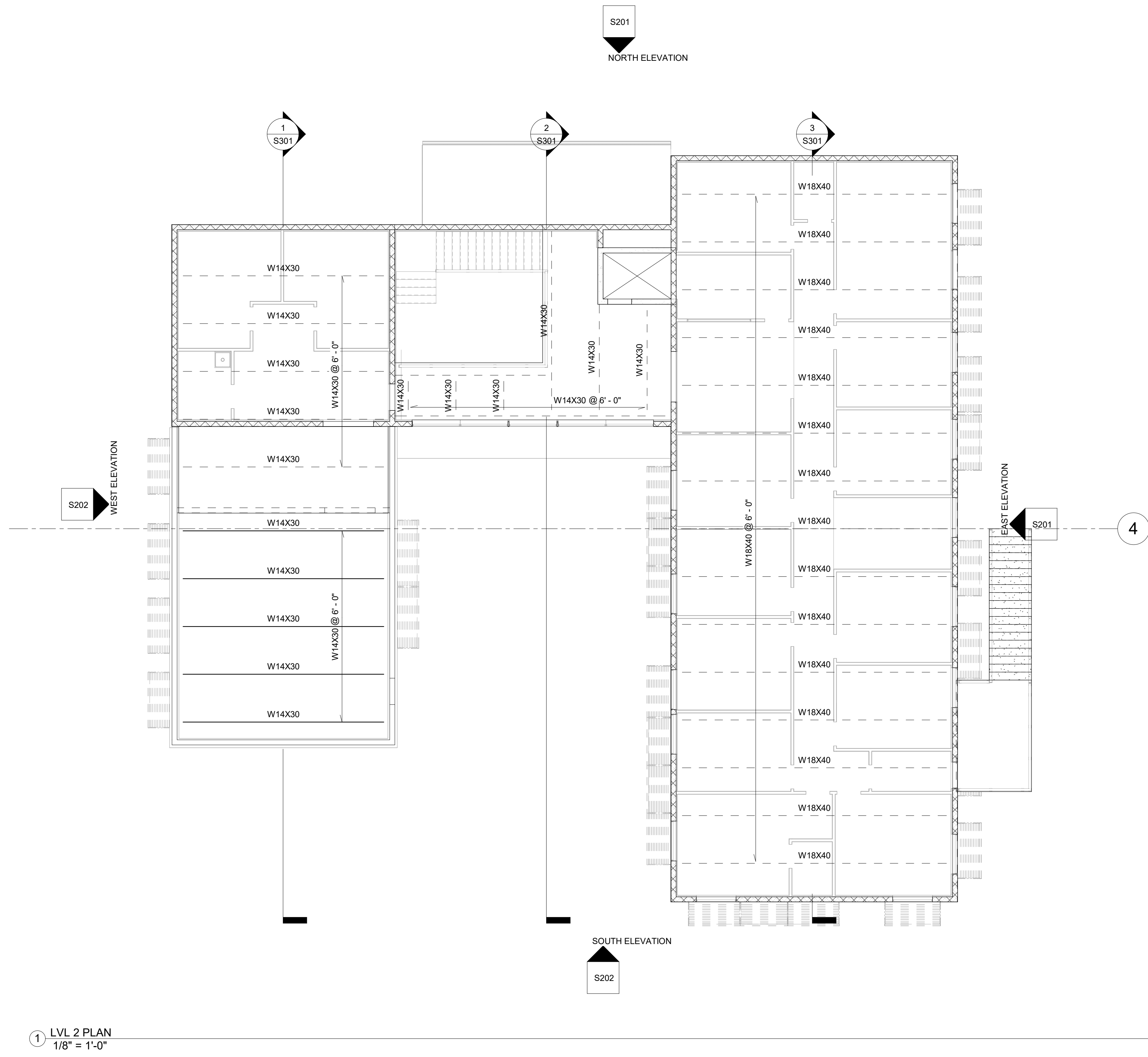
USVI Agricultural Building
Owner
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
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| Drawn by | Author | |
| Checked by | Checker | |

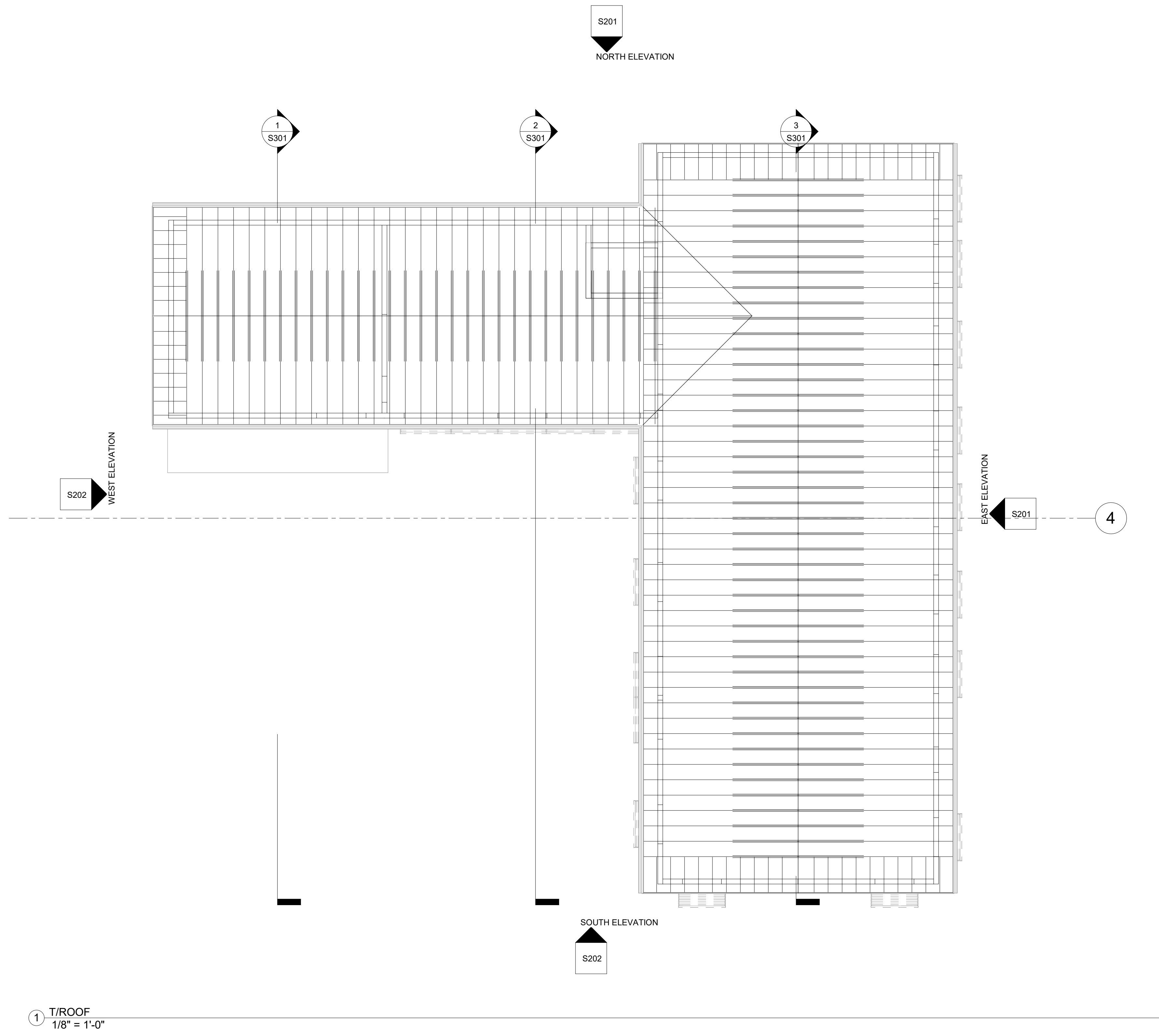
LEVEL 1 PLAN

S101

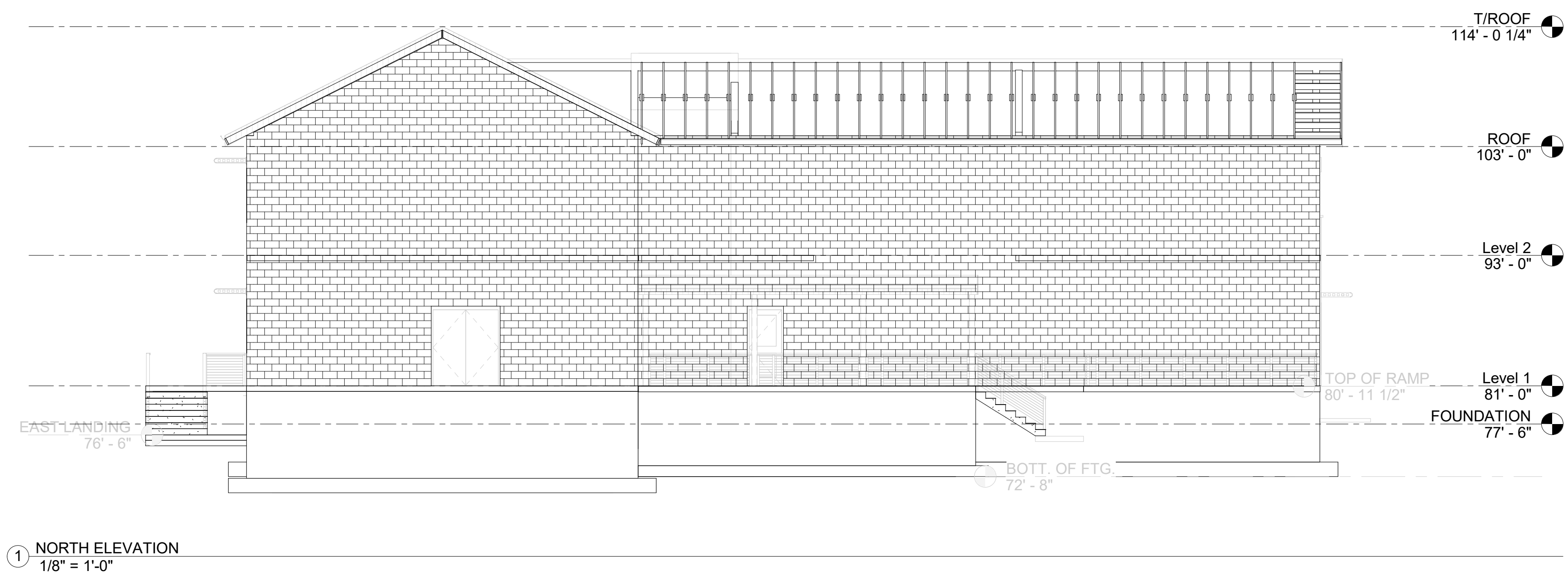
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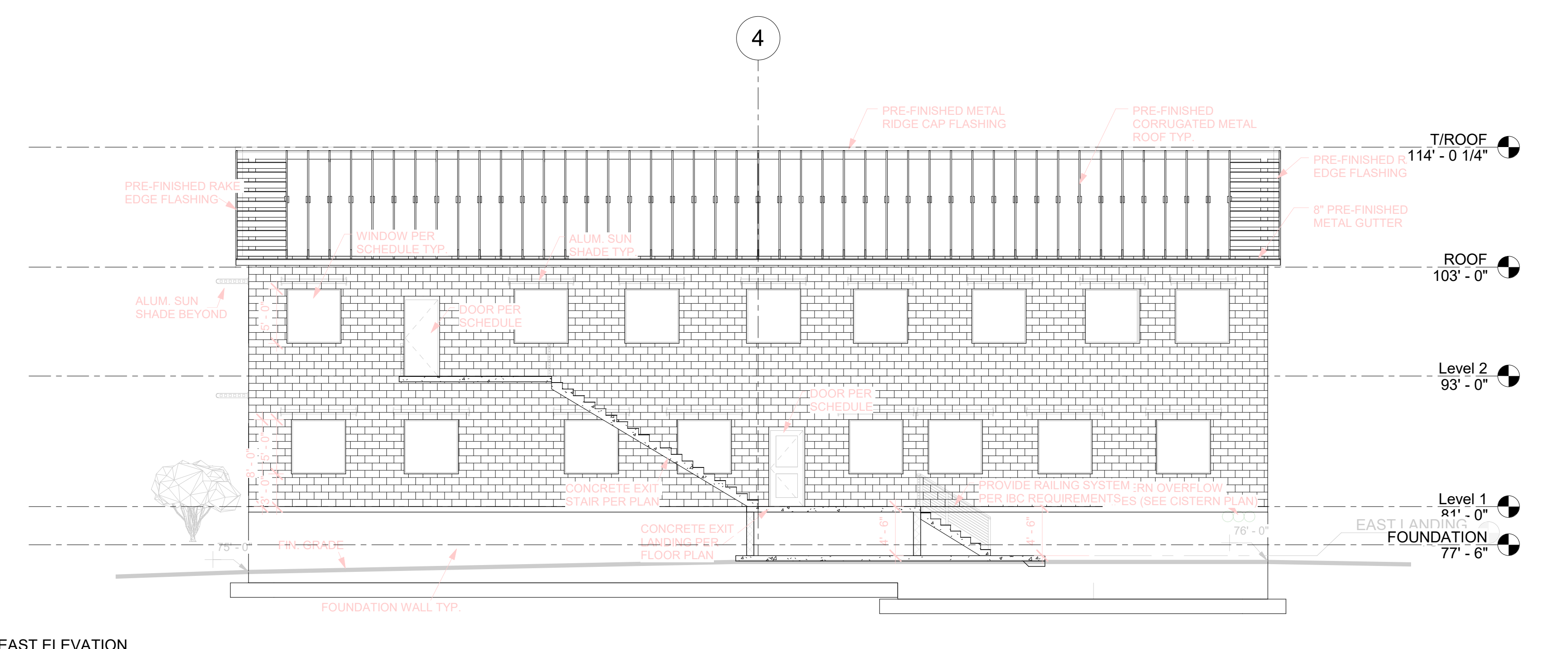
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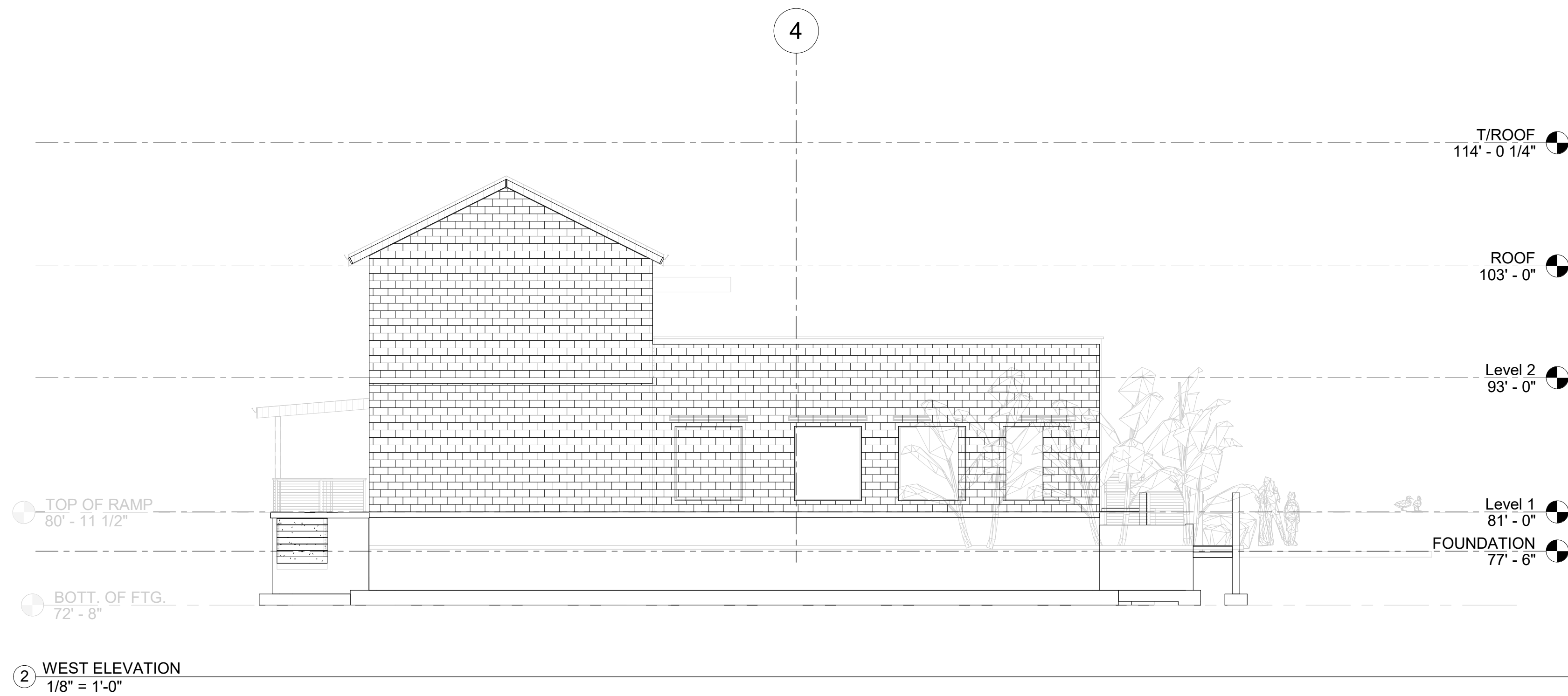


① NORTH ELEVATION
1/8" = 1'-0"

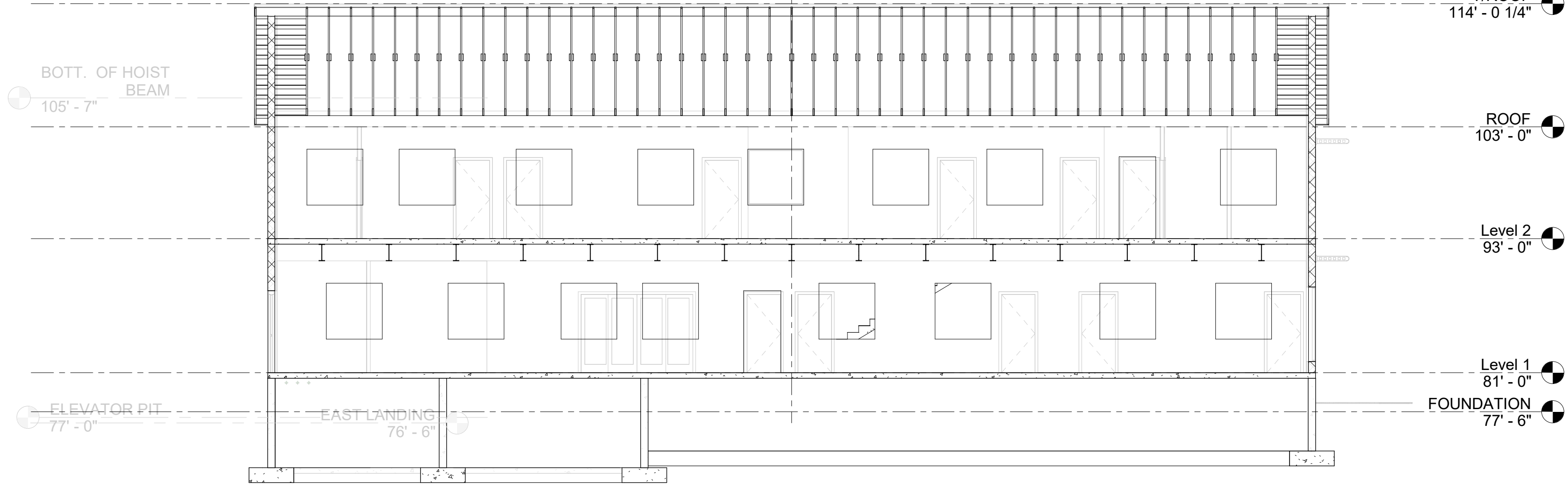


② EAST ELEVATION
1/8" = 1'-0"

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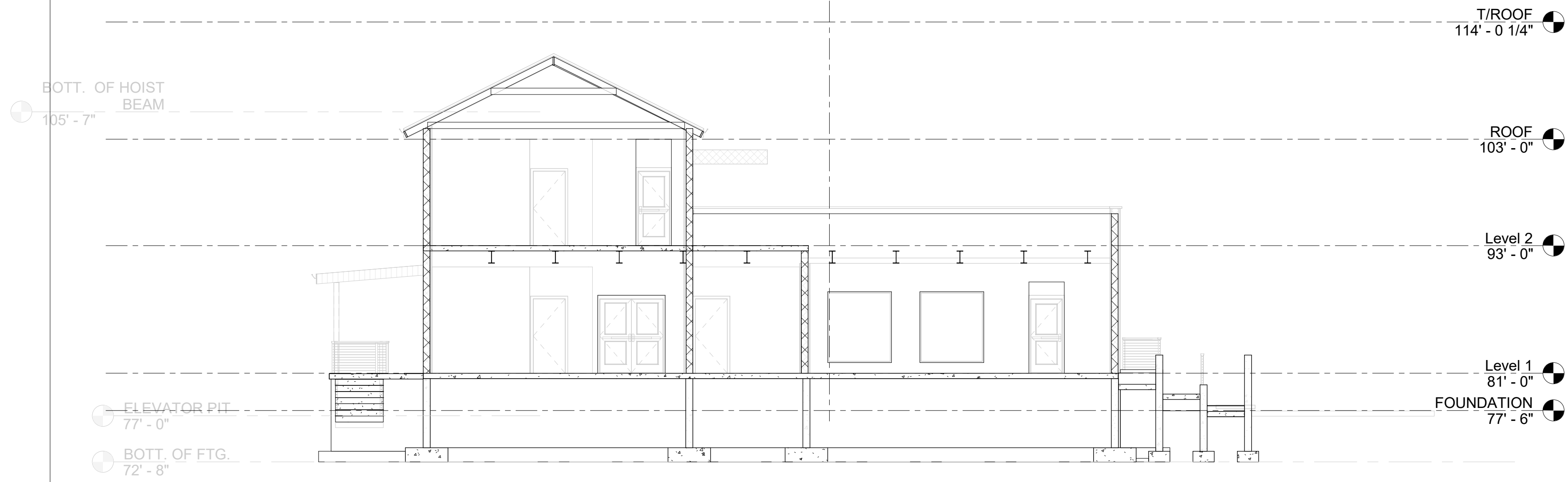
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3 BUILDING SECTION 3
1/8" = 1'-0"

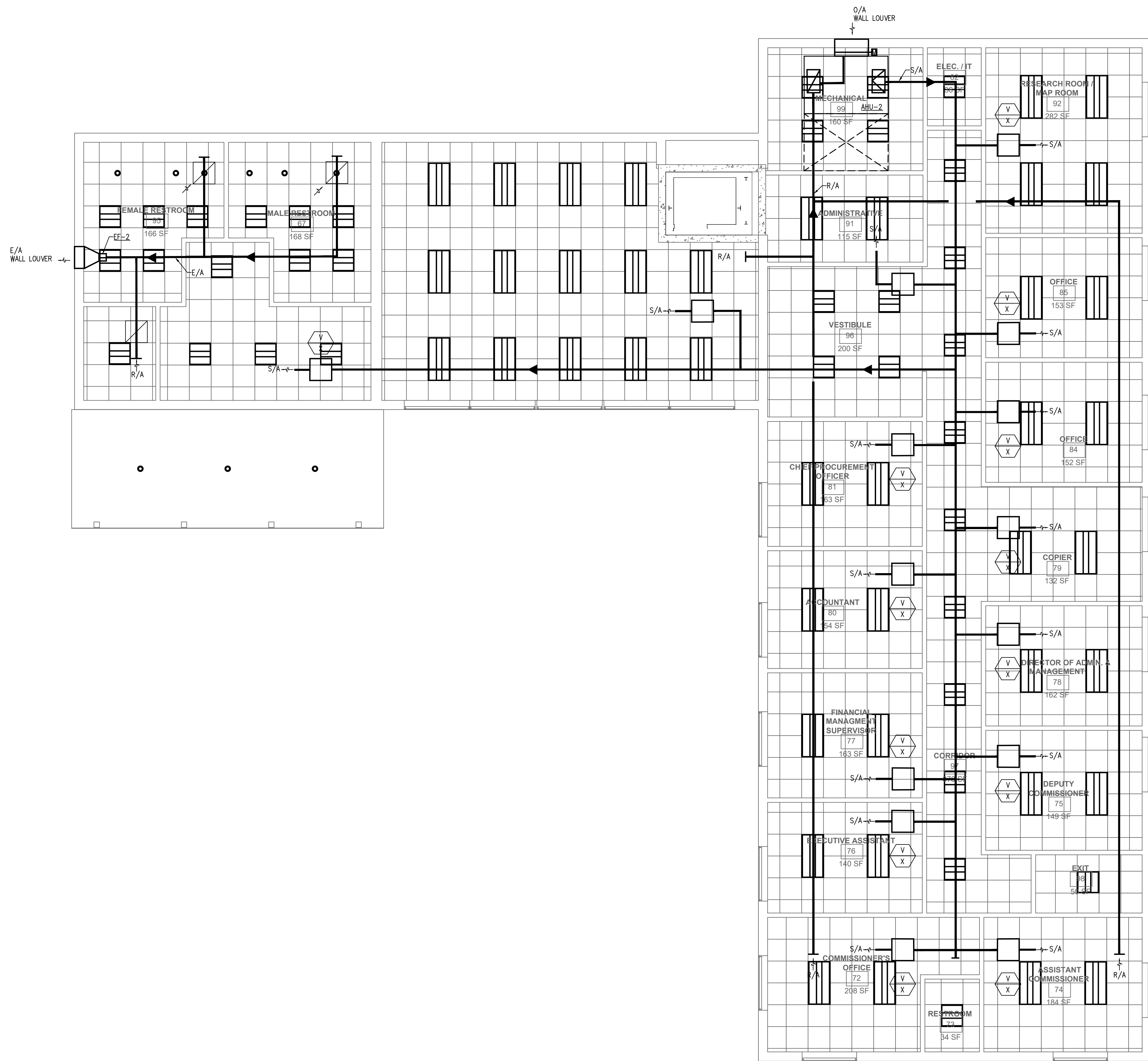


2 BUILDING SECTION 2
1/8" = 1'-0"



1 BUILDING SECTION 1
1/8" = 1'-0"

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| Date | Issue Date | |
| Drawn by | Author | |
| Checked by | Checker | |



1 LEVEL TWO
3/16" = 1'-0"

ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

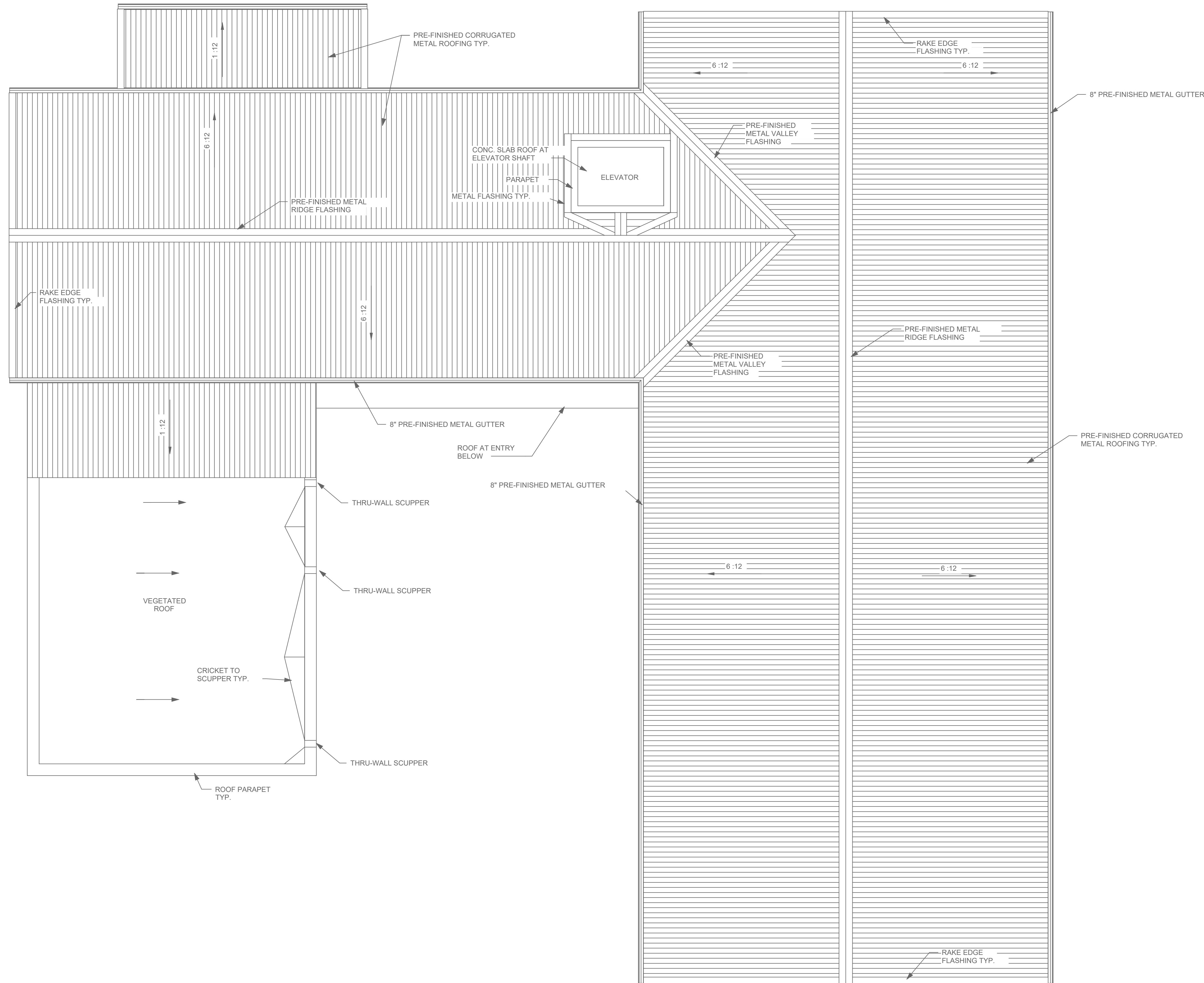
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| Checked by | RLP | |

LEVEL TWO REFLECTED
CEILING PLAN

M102

Scale: AS SHOWN

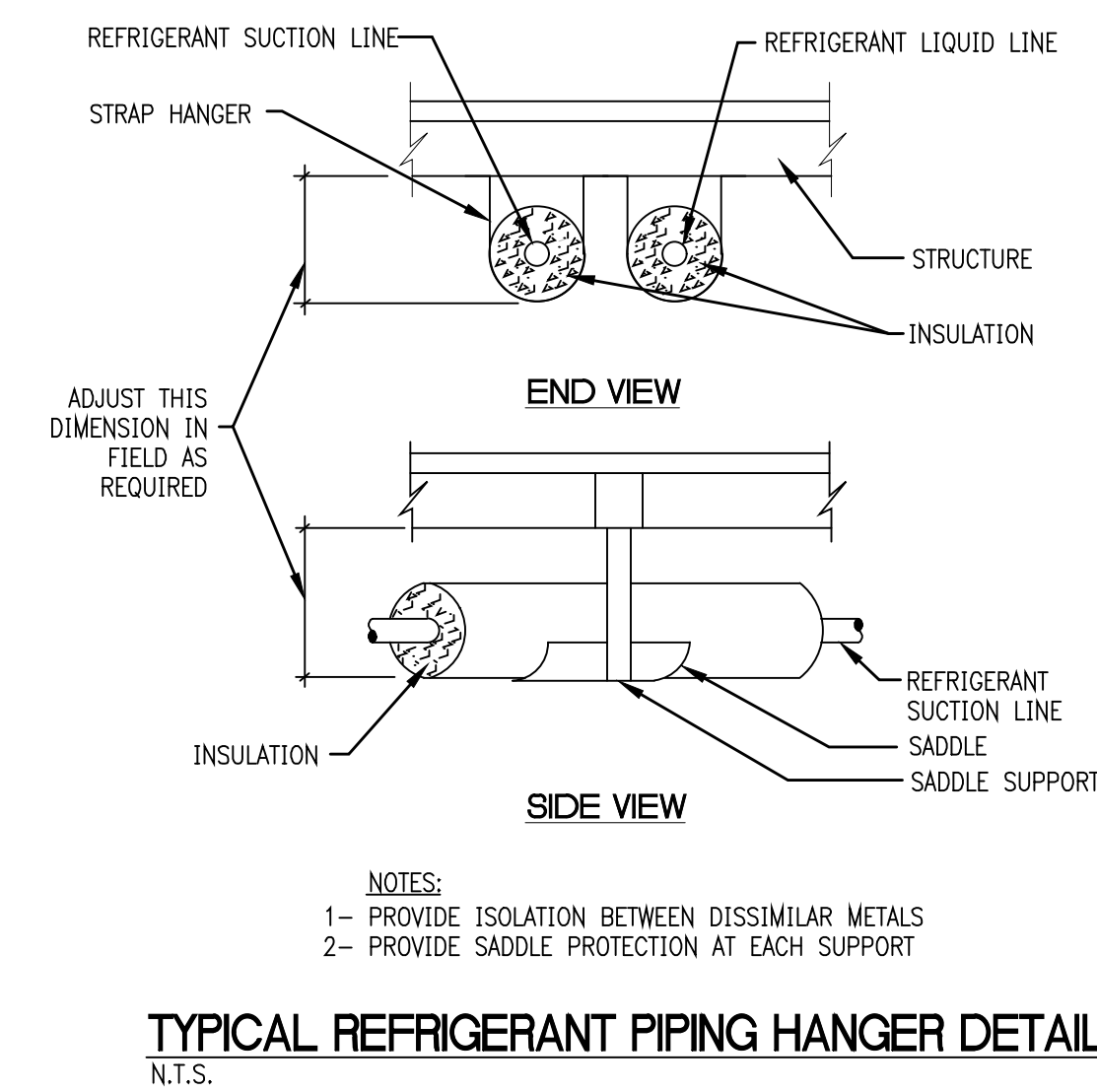
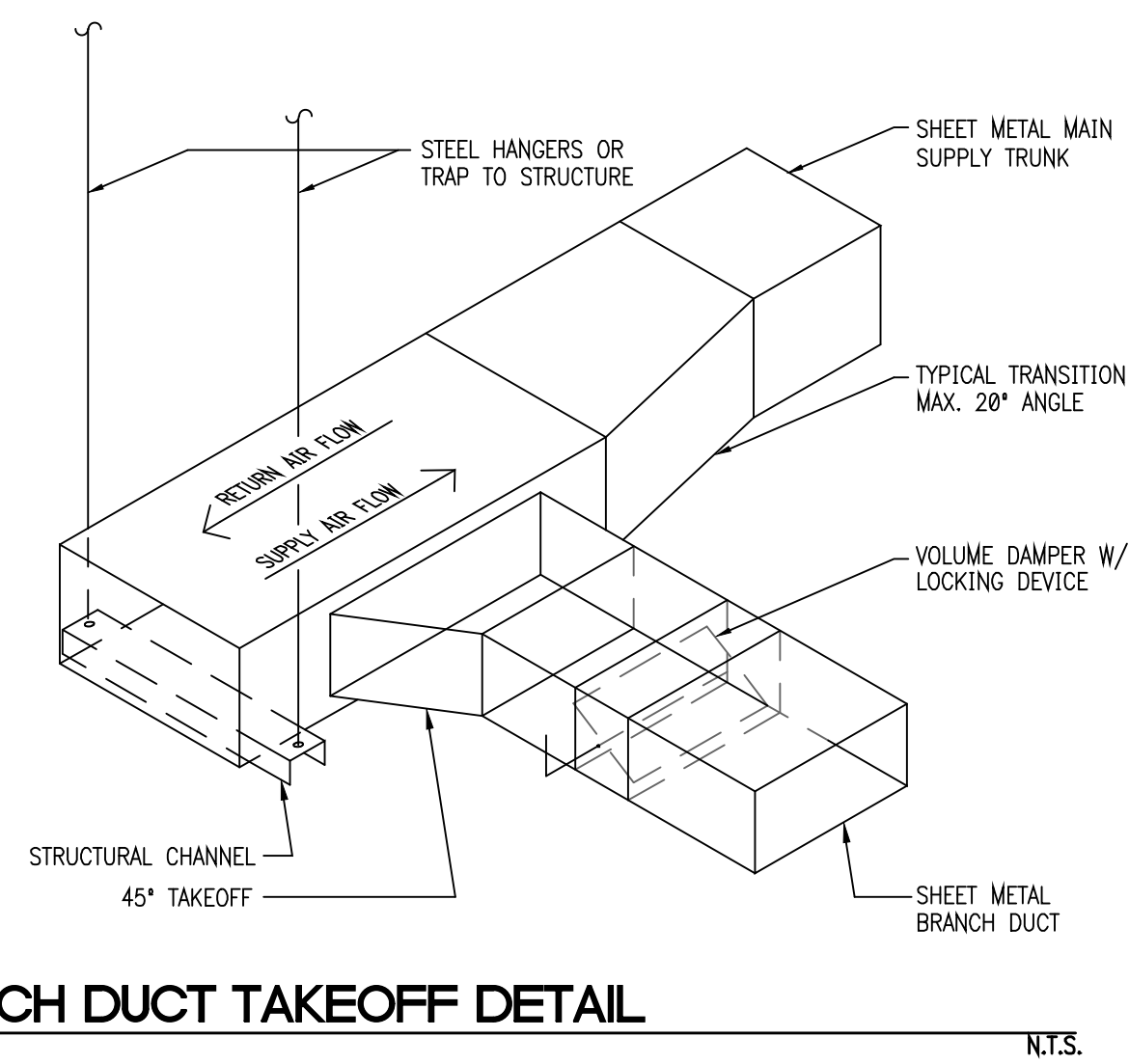
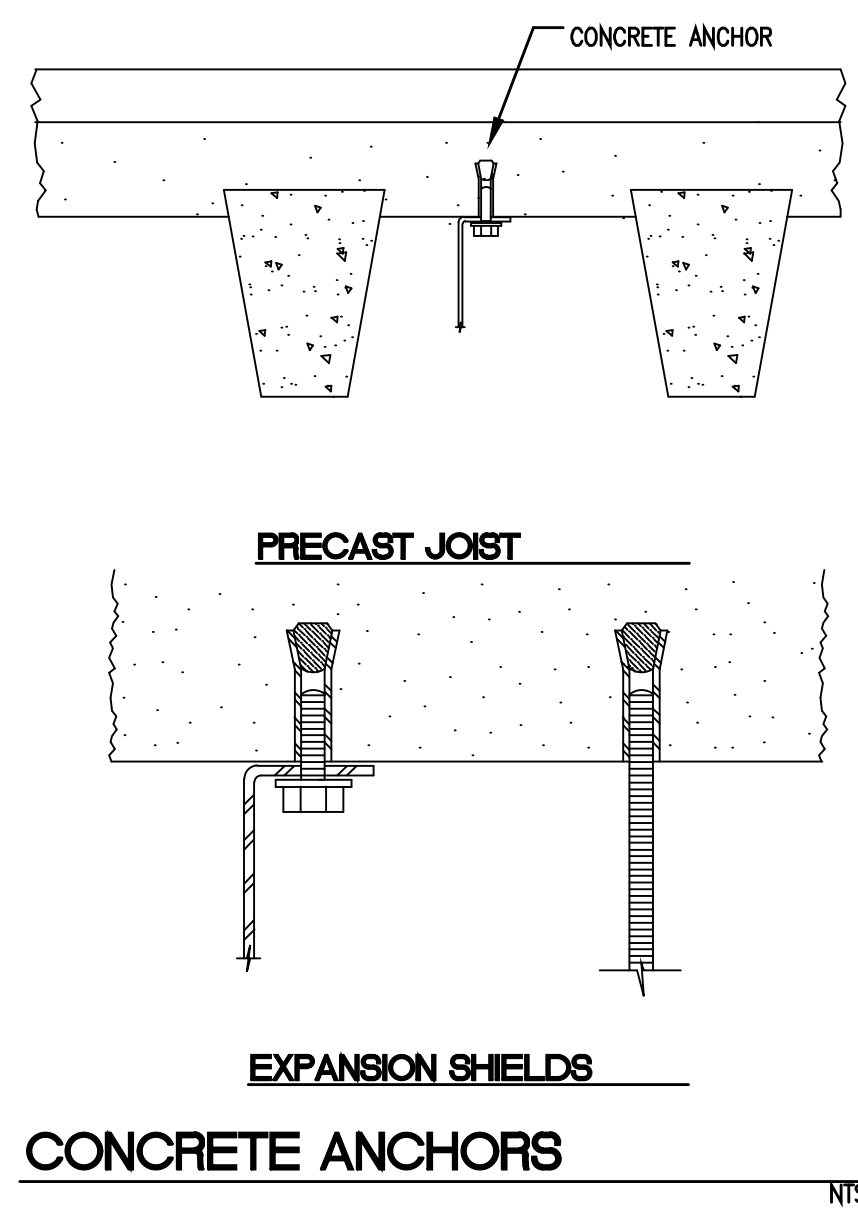
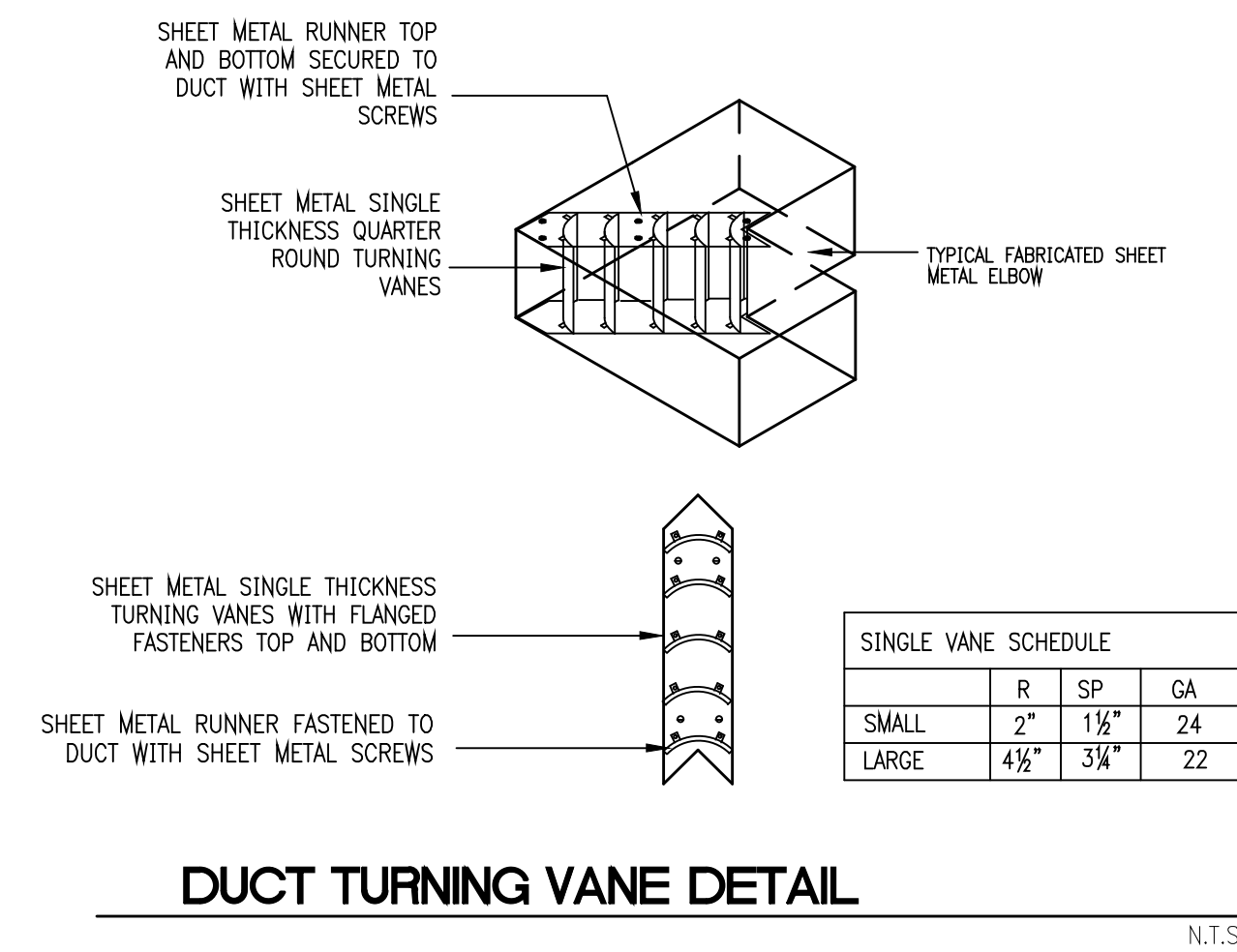
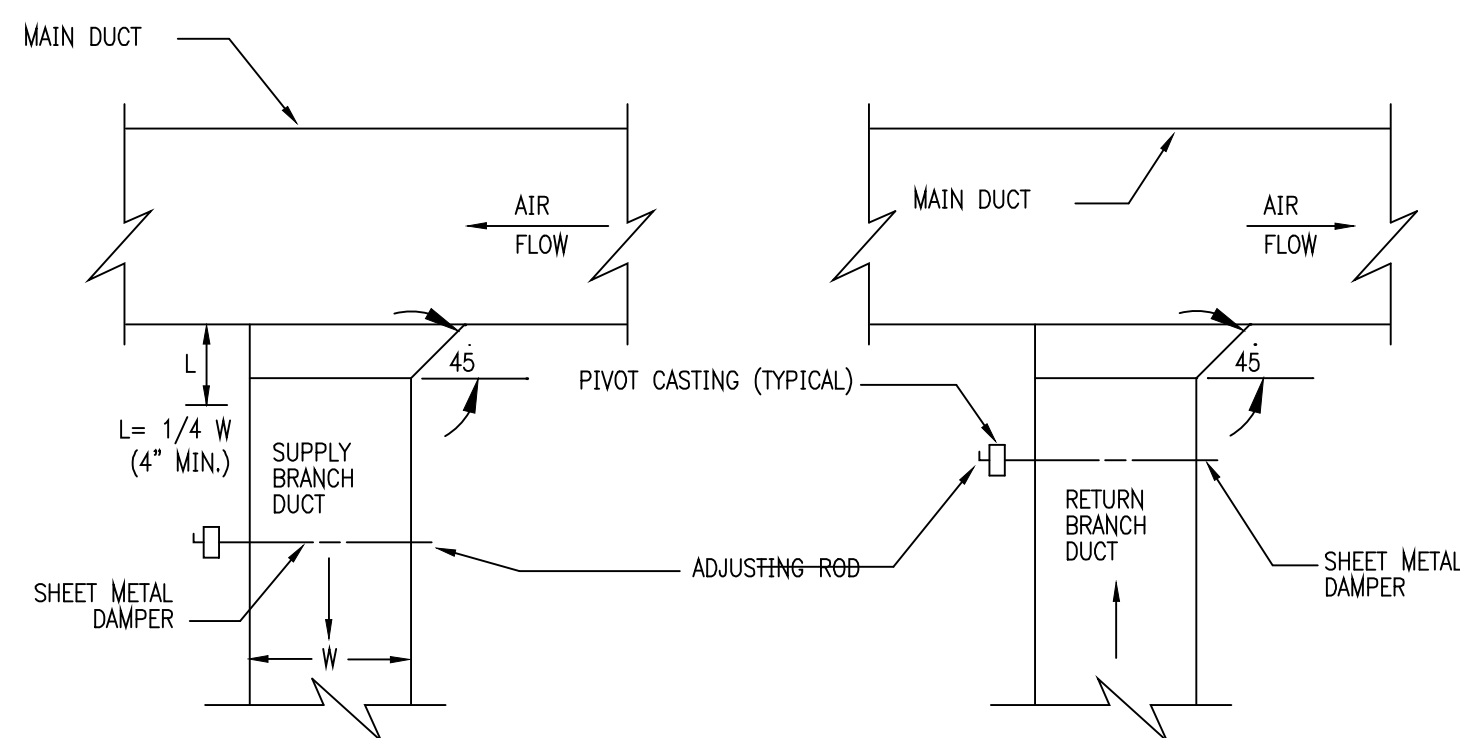
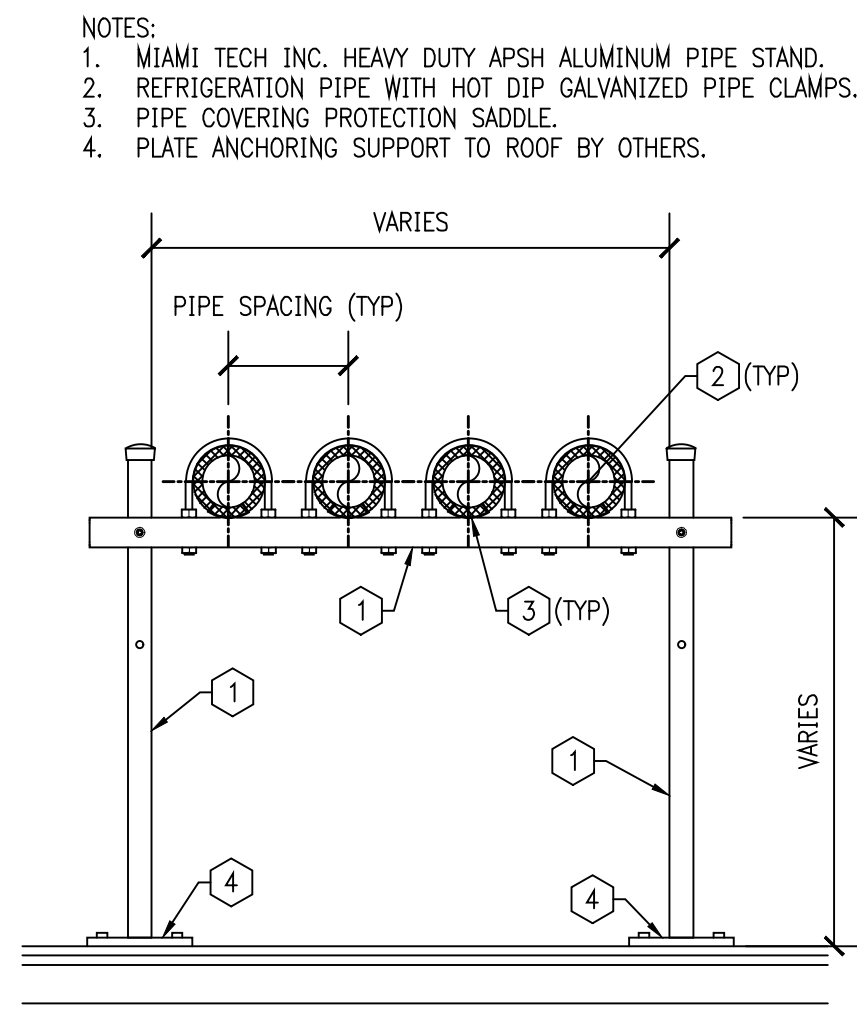
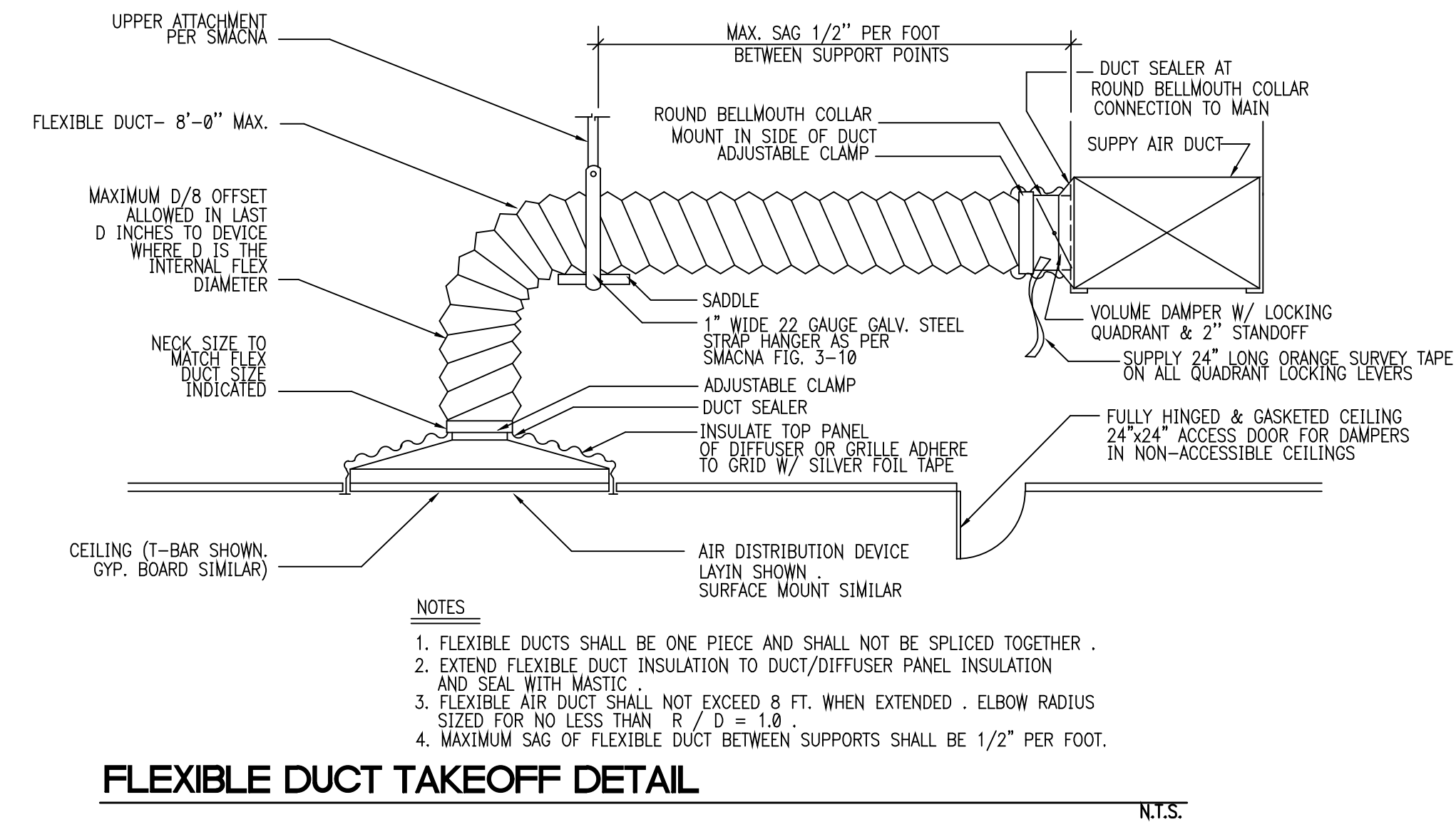
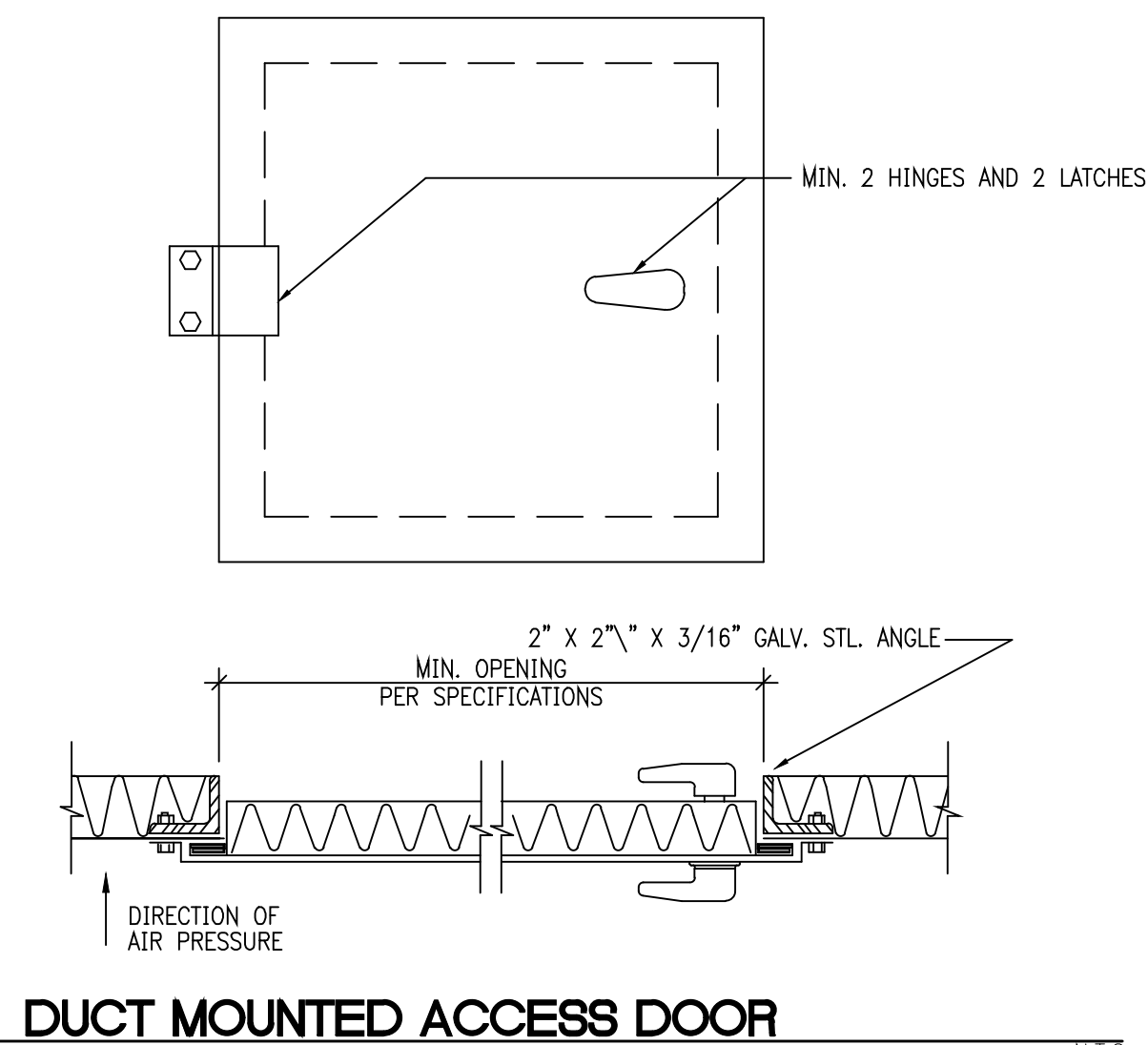
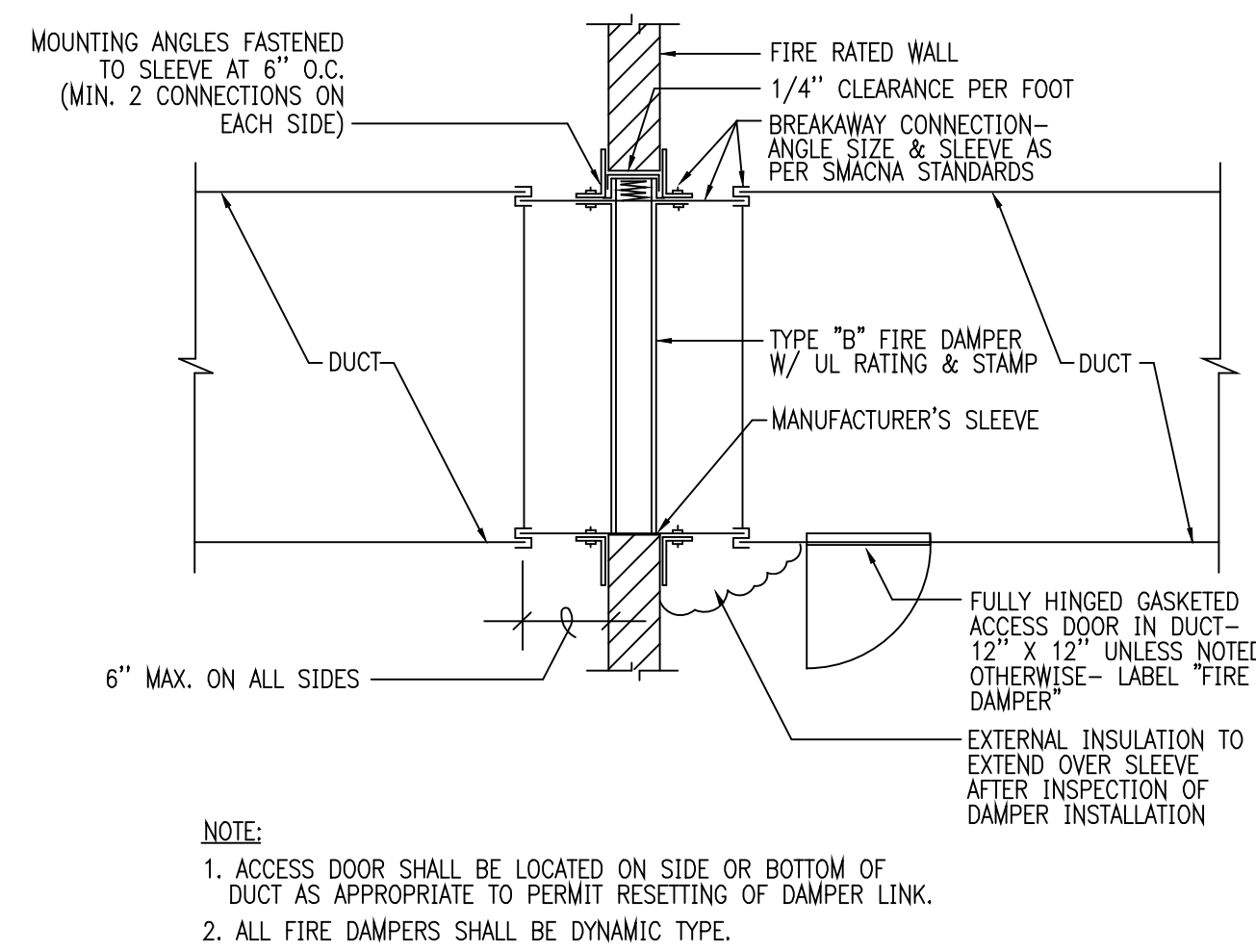
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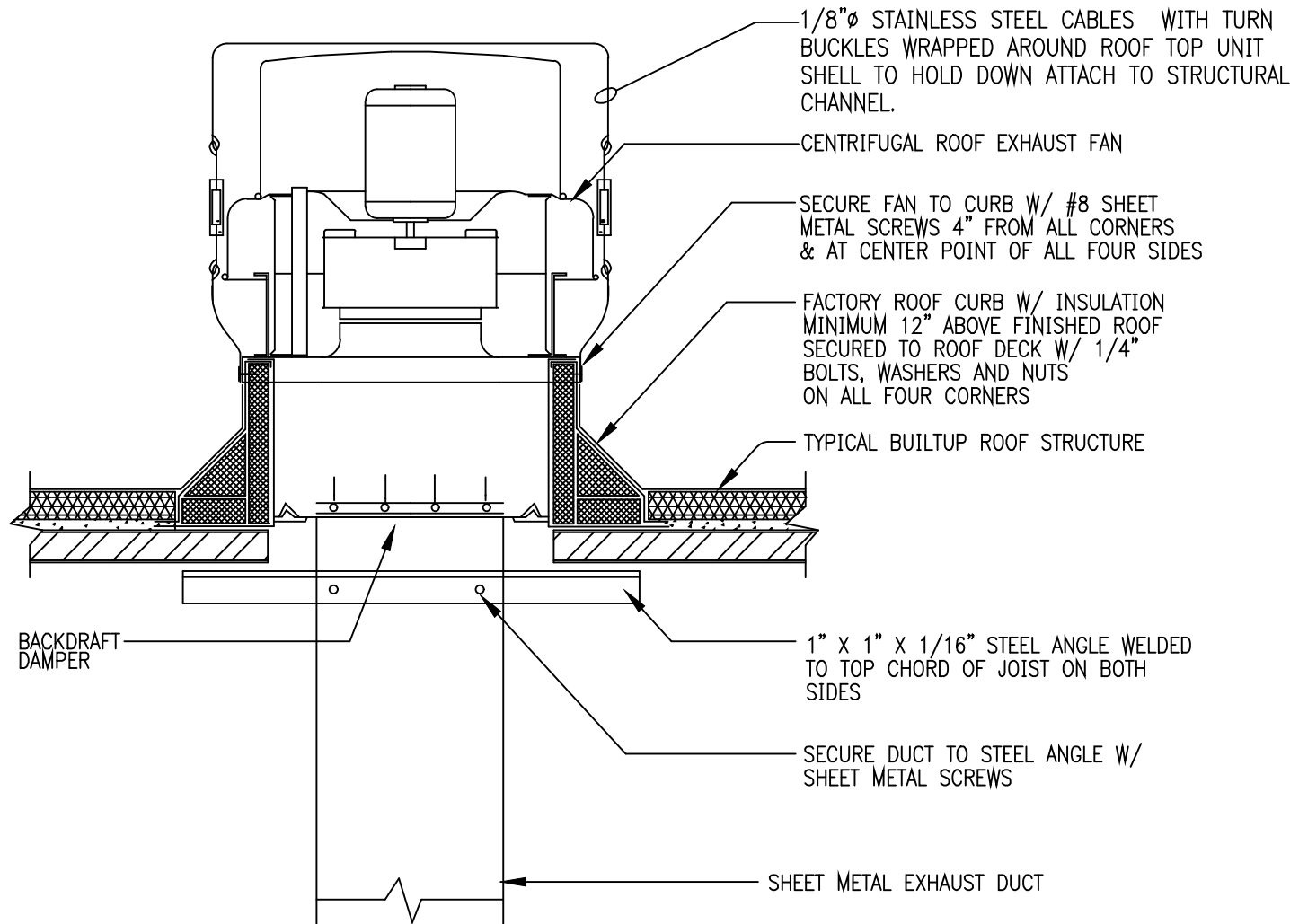


1 ROOF PLAN
3/16" = 1'-0"



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| Date | 11/08/2022 | |
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| Checked by | RLP | |

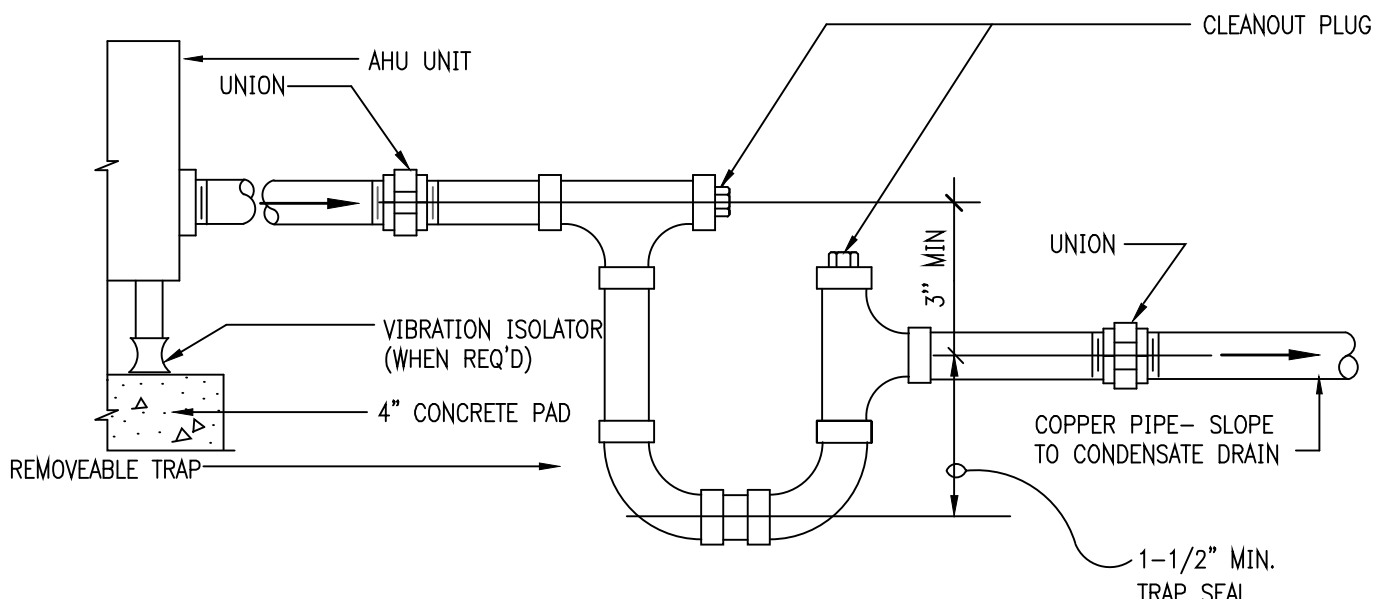




CENTRIFUGAL ROOF EXHAUST FAN DETAIL

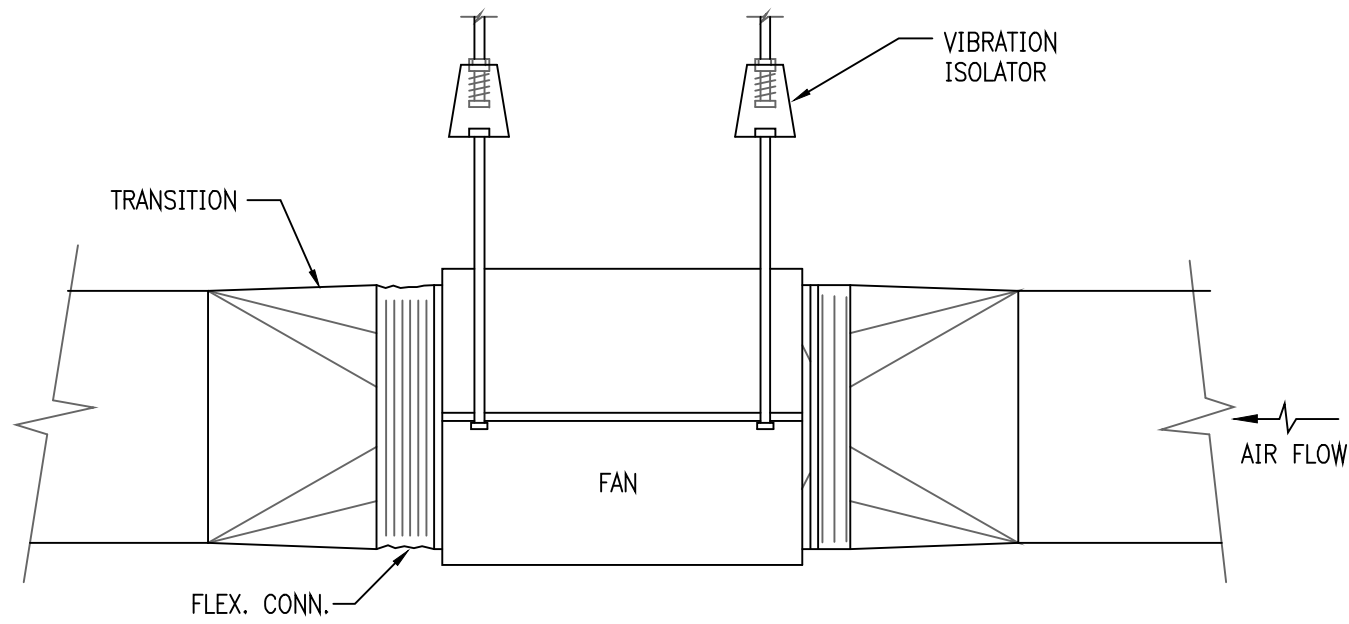
NOTE: SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

N.T.S.



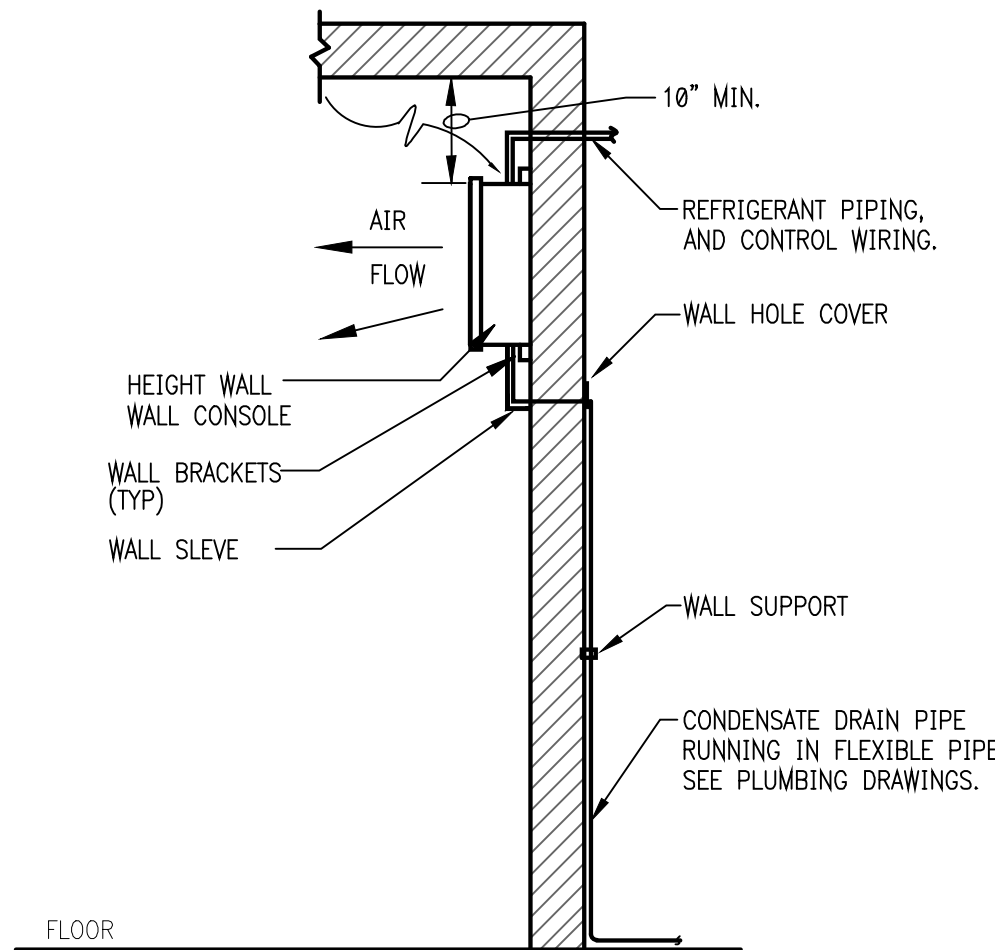
CONDENSATE DRAIN P-TRAP

N.T.S.



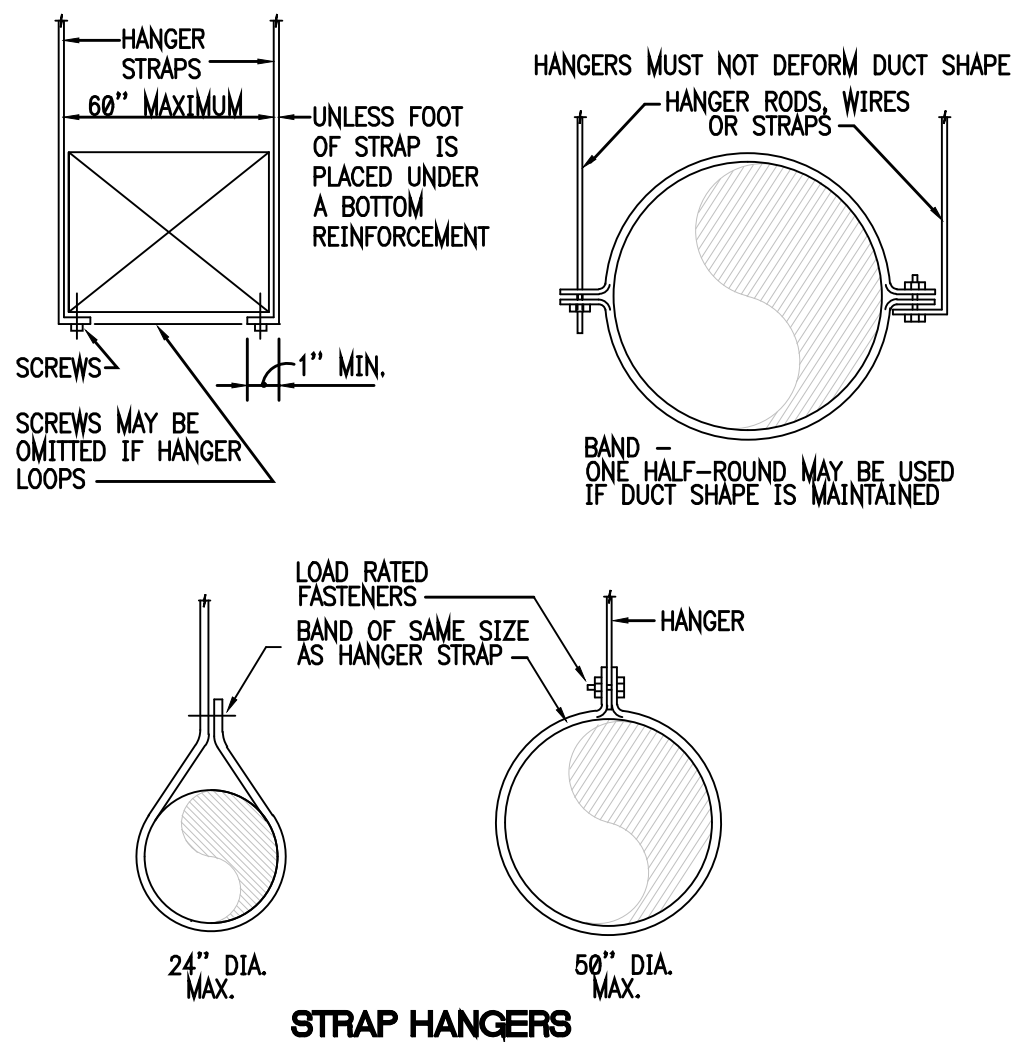
INLINE FAN SUPPORT DETAIL

N.T.S.



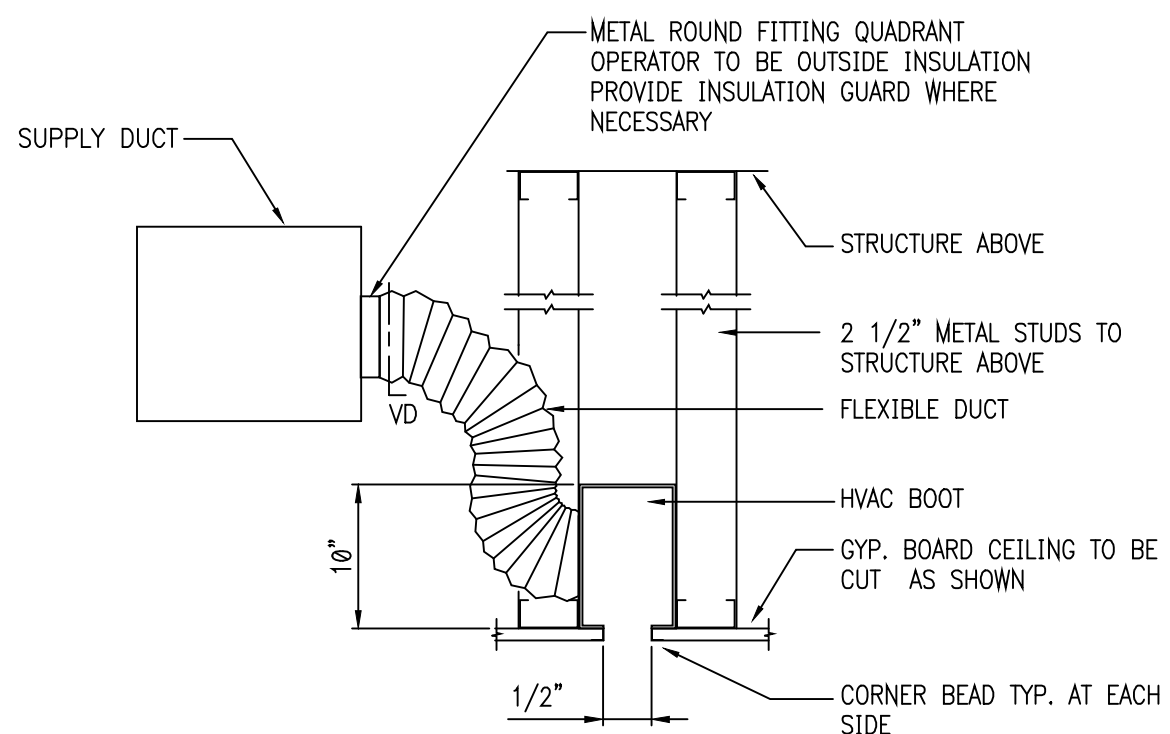
DUCTLESS WALL CONSOLE UNIT WALL MOUNTED DETAIL

N.T.S.



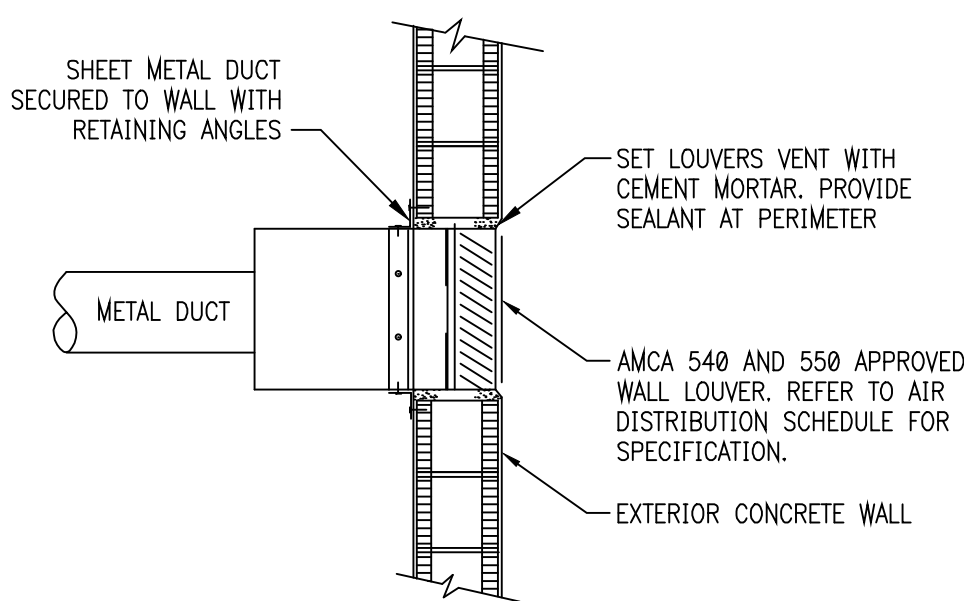
UPPER AND LOWER HANGER ATTACHMENTS AND DEVICES

N.T.S.



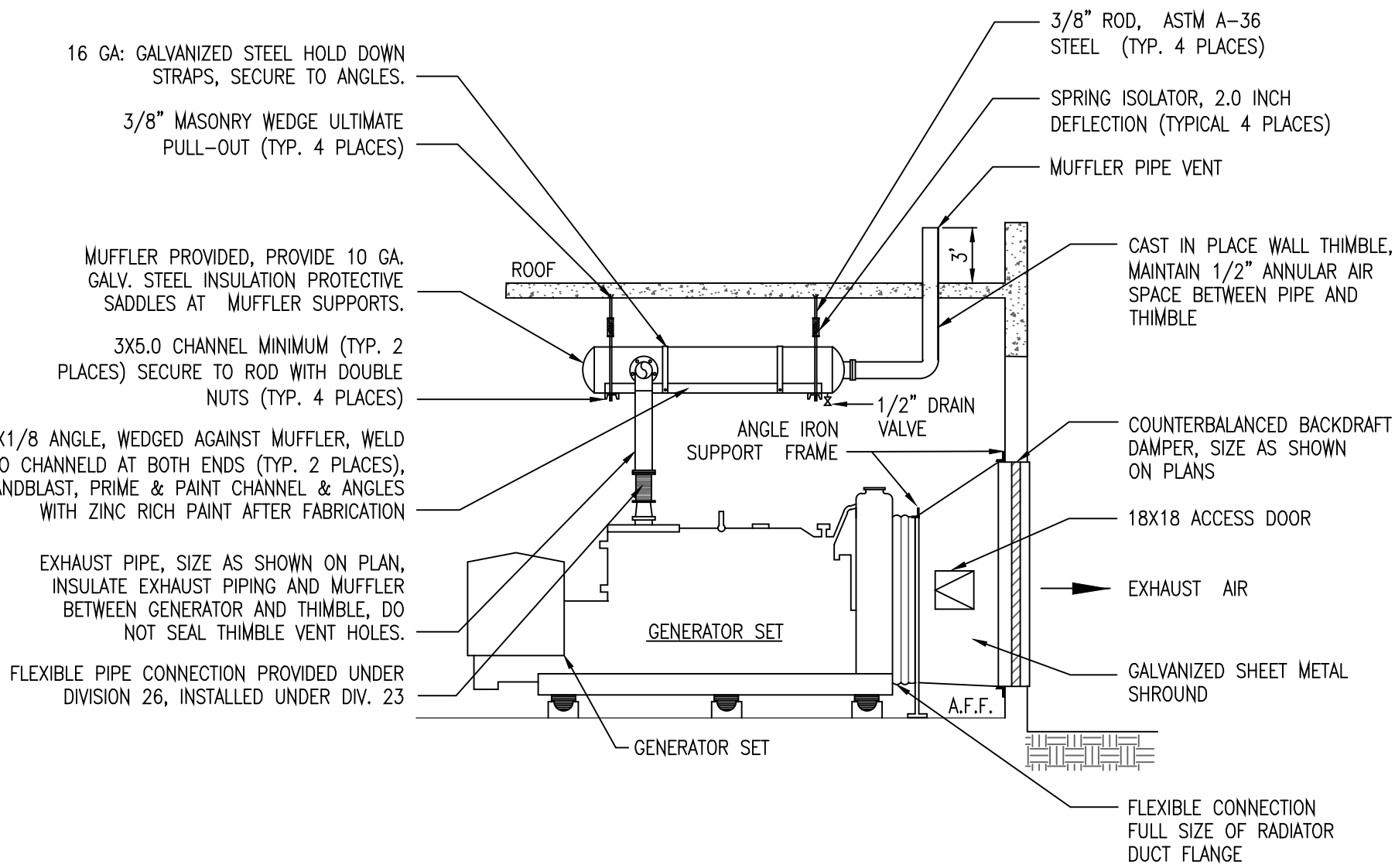
CEILING MOUNTING LINEAR DIFFUSER DETAIL

N.T.S.



TYPICAL WALL TOILET EXHAUST LOWER DETAIL

N.T.S.



NOTE: EMERGENCY GENERATOR EXHAUST PIPING SHALL BE BLACK STEEL SCH. 40 PIPE INSULATED WITH 3" THICK CALCIUM SILICATE ON PIPE, FITTINGS AND MUFFLER. FLEXIBLE CONNECTOR TO BE INSULATED WITH 3" THICK, HIGHT TEMP. MATT INSULATION: FASTENERS SHALL BE 14-GA. GALVANIZED IRON WIRE ON 9" CENTERS. FINISH SHALL BE 0.016" ALUMINUM, JACKET WITH FOSTER MASTIC REINFORCED WITH GLASS CLOTH ON FITTINGS.

GENERATOR EXHAUST AND VENTILATION DETAIL

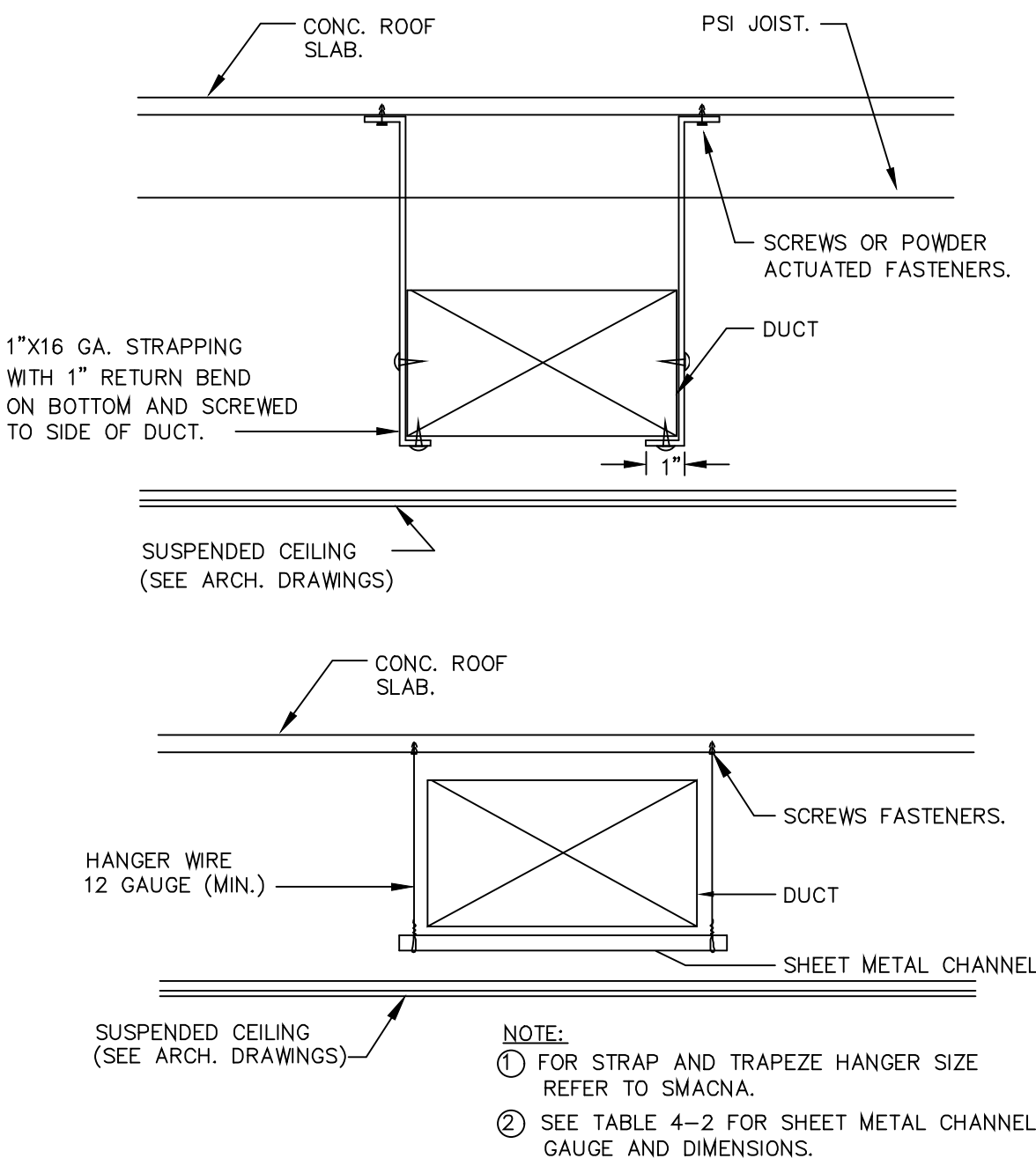
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| Project number | 2021.008.00 |
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HVAC -DETAILS

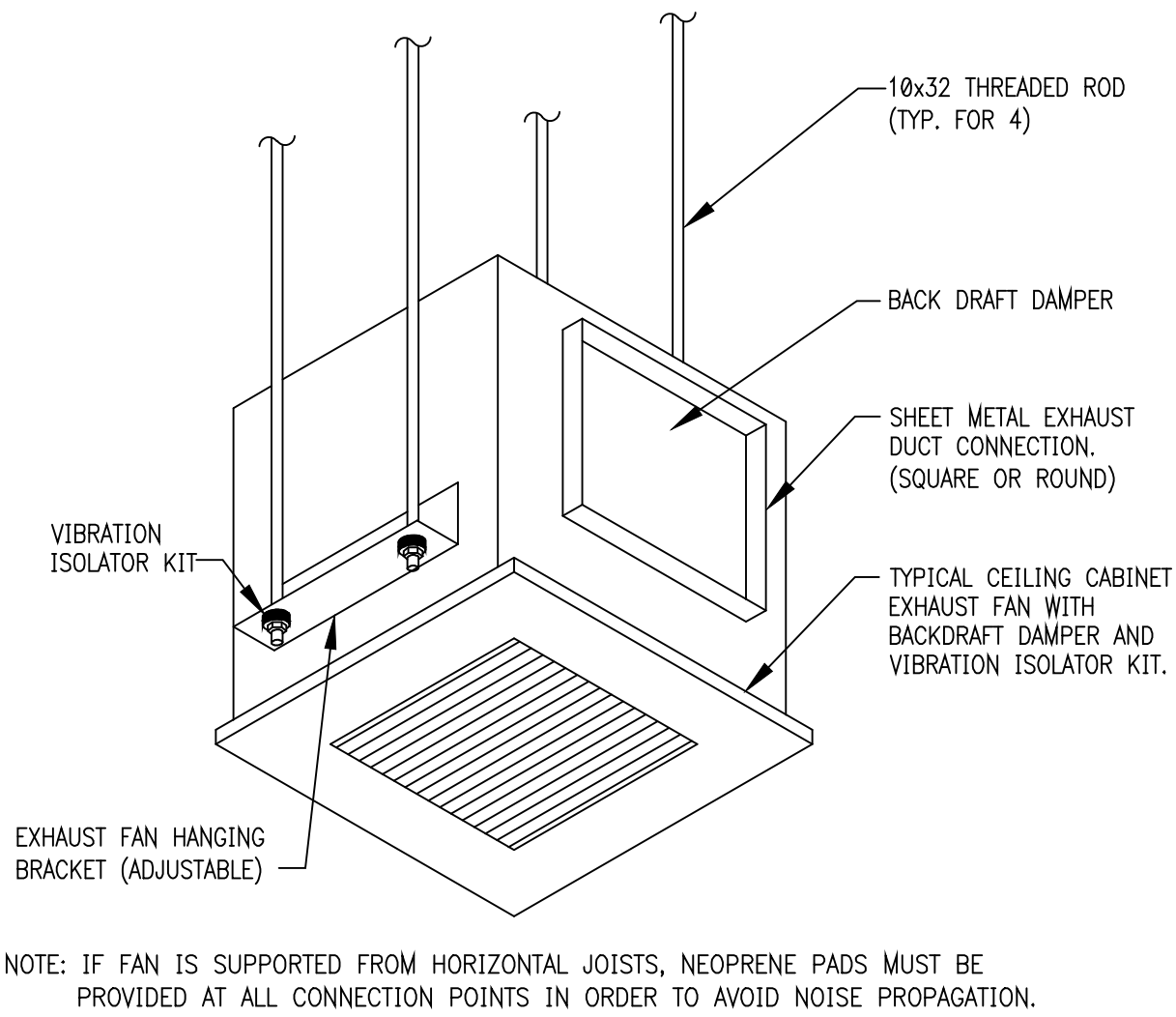


DUCT HANGER DETAIL
N.T.S.

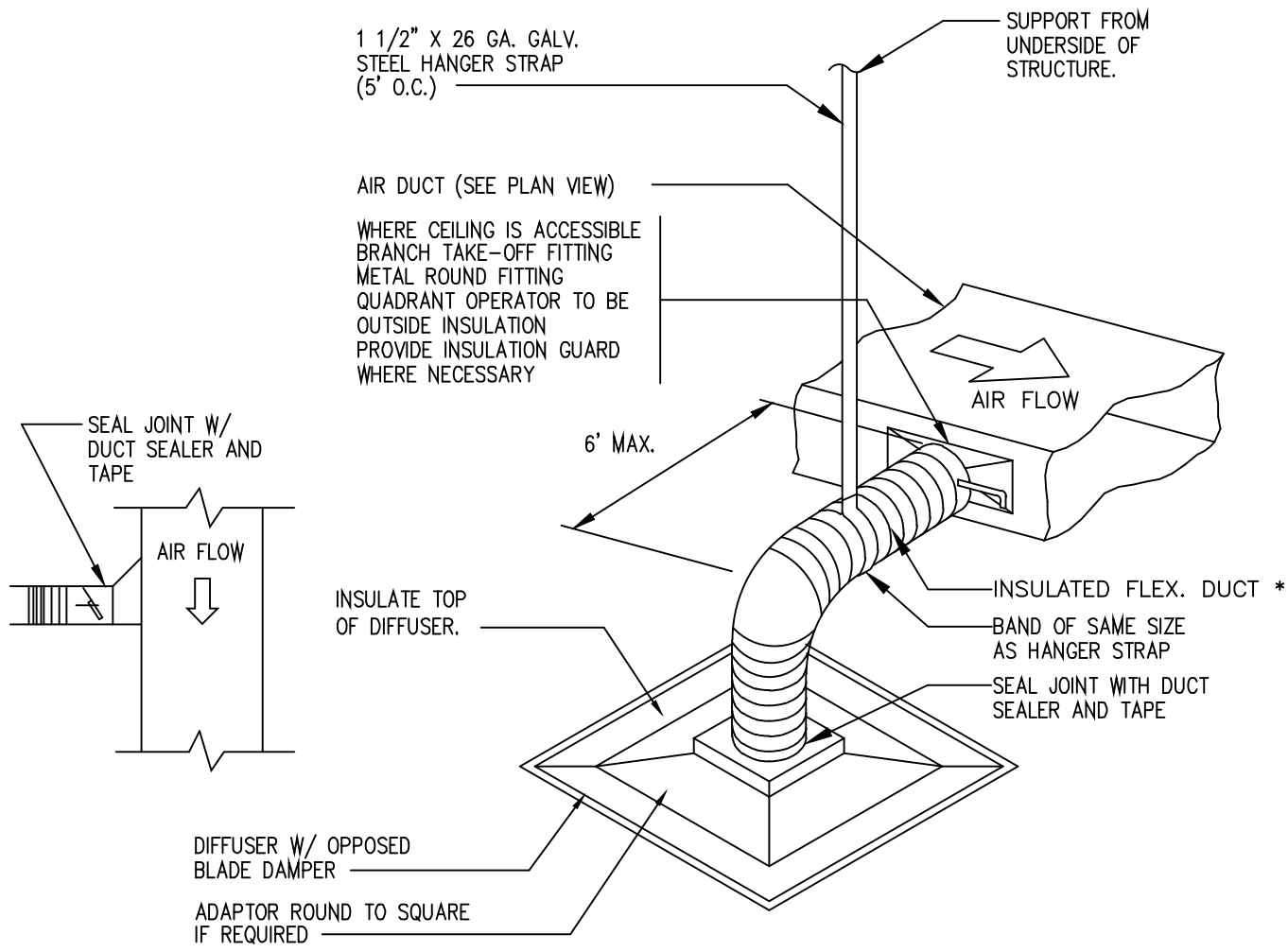
TABLE 4-1
RECTANGULAR DUCT HANGERS
MINIMUM SIZE

| MAXIMUM HALF OF DUCT PERIMETER | PAIR AT 10 FT SPACING | | PAIR AT 8 FT SPACING | | PAIR AT 6 FT SPACING | | PAIR AT 4 FT SPACING | |
|--------------------------------|---------------------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|----------------|
| | STRAP | WIRE/ROD | STRAP | WIRE/ROD | STRAP | WIRE/ROD | STRAP | WIRE/ROD |
| $\frac{P}{2} = 30"$ | 1"x22 GA. | 10 GA. (.135") | 1"x22 GA. | 10 GA. (.135") | 1"x22 GA. | 12 GA. (.106") | 1"x22 GA. | 12 GA. (.106") |
| $\frac{P}{2} = 72"$ | 1"x18 GA. | 3/8" | 1"x20 GA. | 1/4" | 1"x22 GA. | 1/4" | 1"x22 GA. | 1/4" |
| $\frac{P}{2} = 96"$ | 1"x16 GA. | 3/8" | 1"x18 GA. | 3/8" | 1"x20 GA. | 3/8" | 1"x22 GA. | 1/4" |
| $\frac{P}{2} = 120"$ | 1.5"x16 GA. | 1/2" | 1"x16 GA. | 3/8" | 1"x18 GA. | 3/8" | 1"x20 GA. | 1/4" |
| $\frac{P}{2} = 168"$ | 1.5"x16 GA. | 1/2" | 1.5"x16 GA. | 1/2" | 1"x16 GA. | 1/2" | 1"x18 GA. | 3/8" |
| $\frac{P}{2} = 192"$ | - | 1/2" | 1.5"x16 GA. | 1/2" | 1"x16 GA. | 1/2" | 1"x16 GA. | 3/8" |
| $\frac{P}{2} = 193"$ UP | SPECIAL ANALYSIS REQUIRED | | | | | | | |

AS PER SMACNA TABLE 4-1 & FIG. 4-4

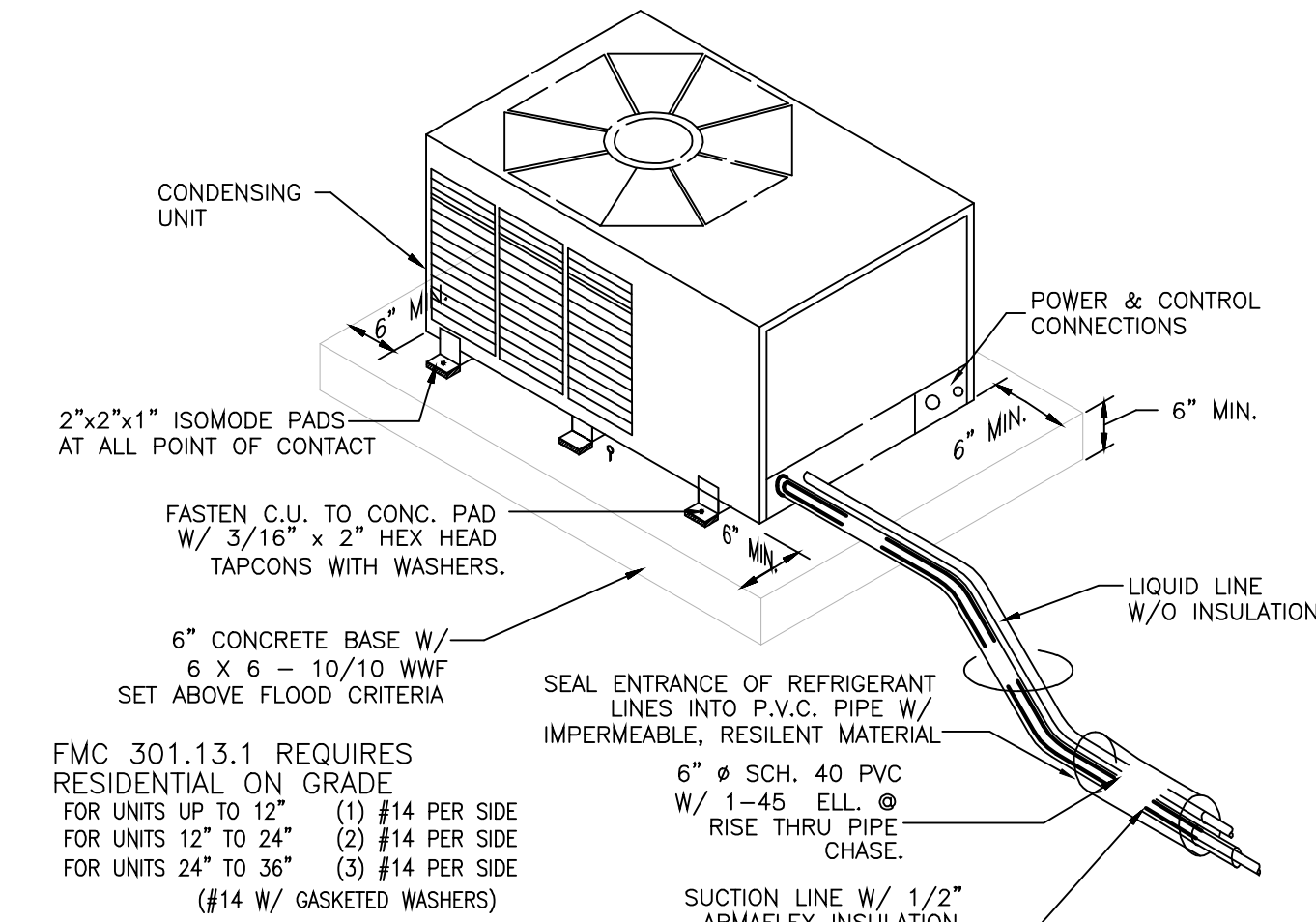


CEILING MOUNTED CABINET EXHAUST FAN DETAIL
N.T.S.

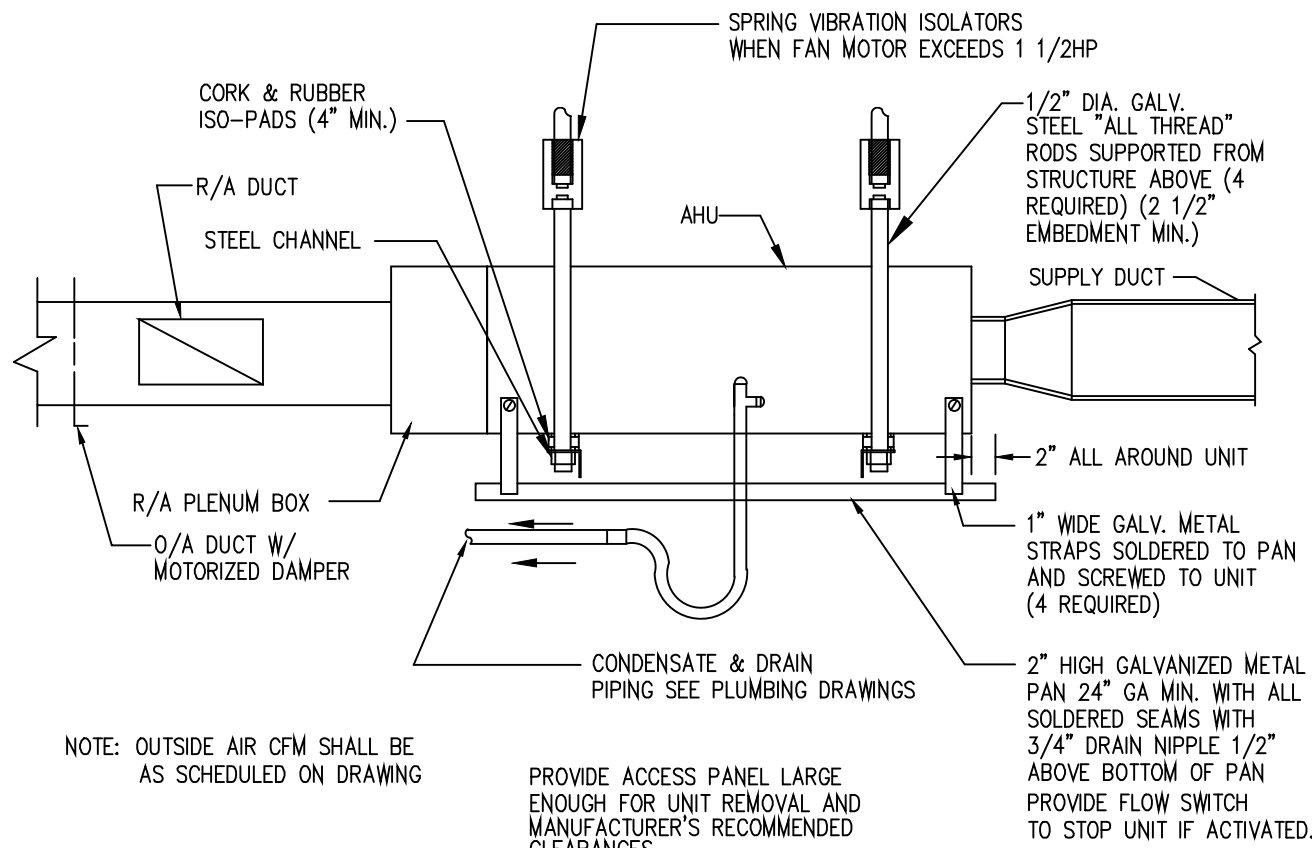


FLEXIBLE DUCT CONNECTION DETAIL
N.T.S.

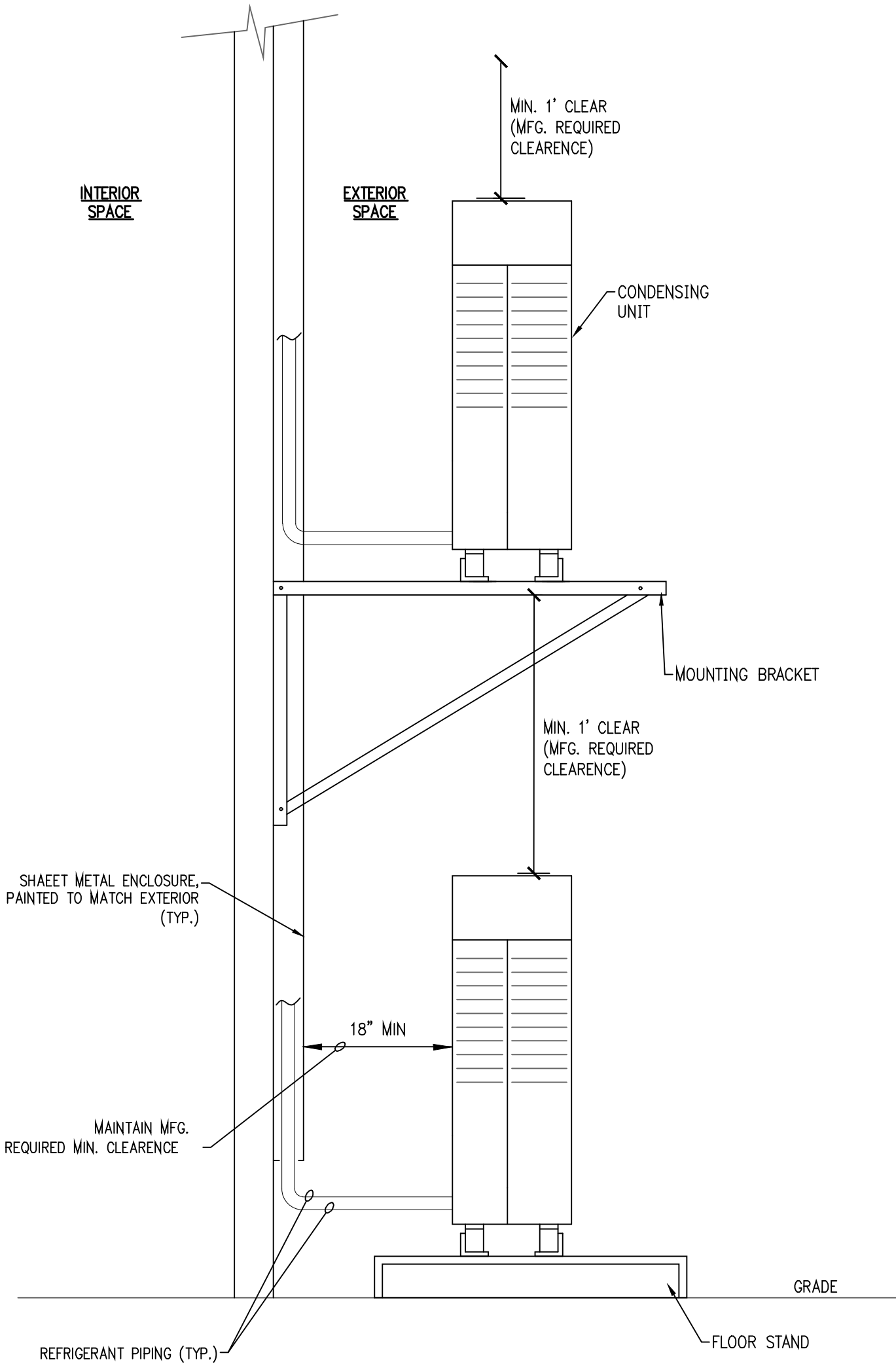
* FULL CIRCLE INTO DIFFUSER ADAPTER.



CONDENSING UNIT MOUNTING DETAIL
N.T.S.



SUGGESTED HORIZONTAL AHU MOUNTING DETAIL
N.T.S.



STACKED CONDENSING UNIT MOUNTING DETAIL
N.T.S.



AGENCY

VIRGIN ISLANDS
DEPARTMENT OF AGRICULTURE

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website: www.doa.vi.gov

ARCHITECT

BOSCHULTE ARCHITECTURE, LLC

PO Box 303190
St. Thomas, VI 00803

Solberg 19-2
St. Thomas, VI 00802

phone: (340) 777-2375
e-mail: info@boschulte.com
website: www.boschulte.com



ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
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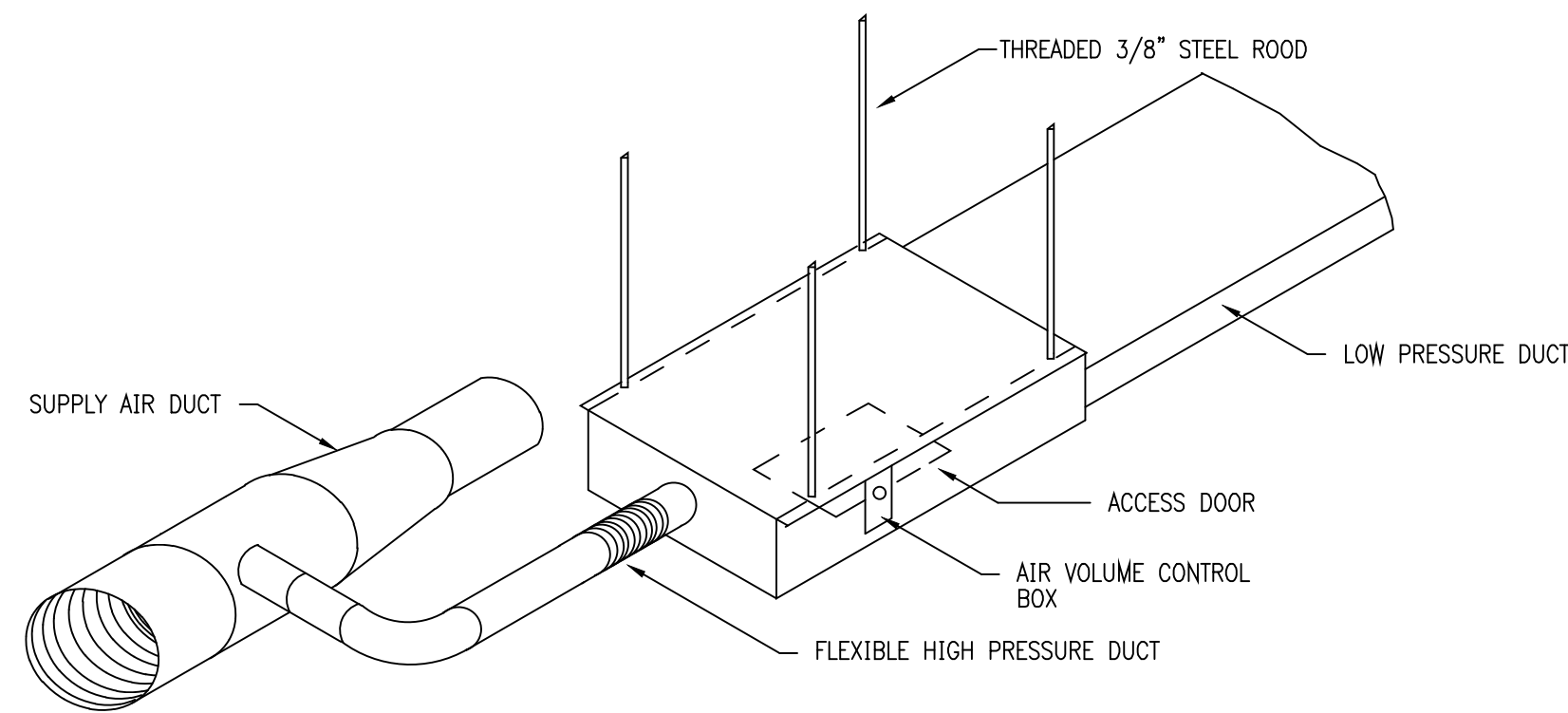
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HVAC -DETAILS

CONFIDENTIAL

M403

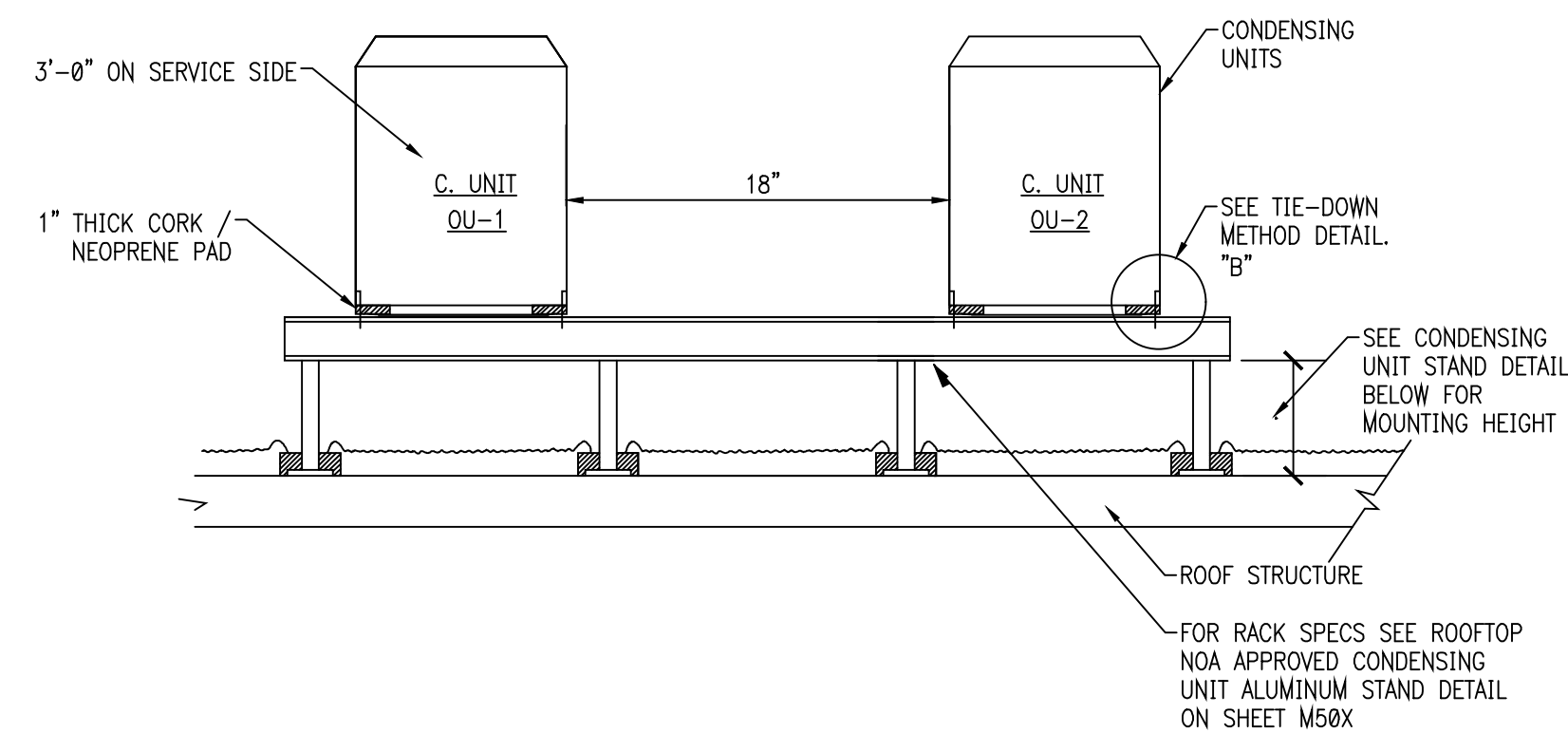
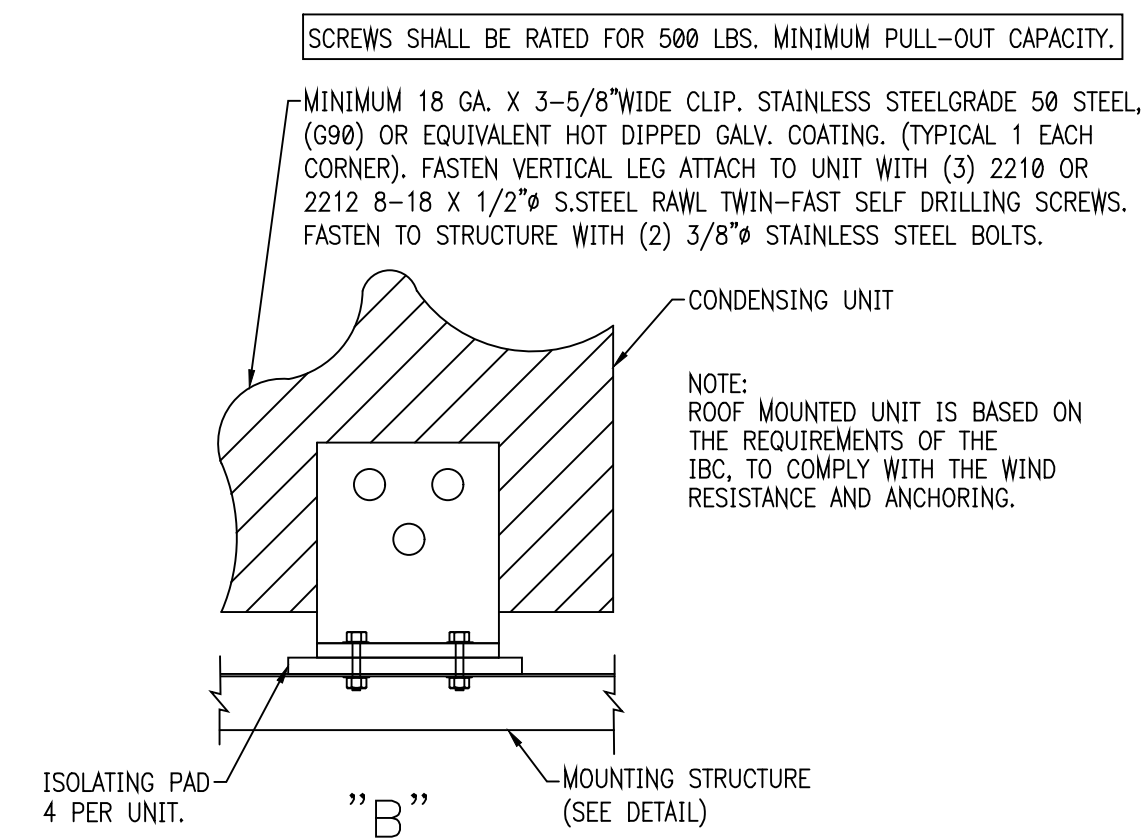
Scale: AS SHOWN



NOTE:
TERMINAL UNITS SHALL BE MOUNTED SO ACCESS DOOR AND DIAL CAN BE EASILY REACHED FROM BELOW.

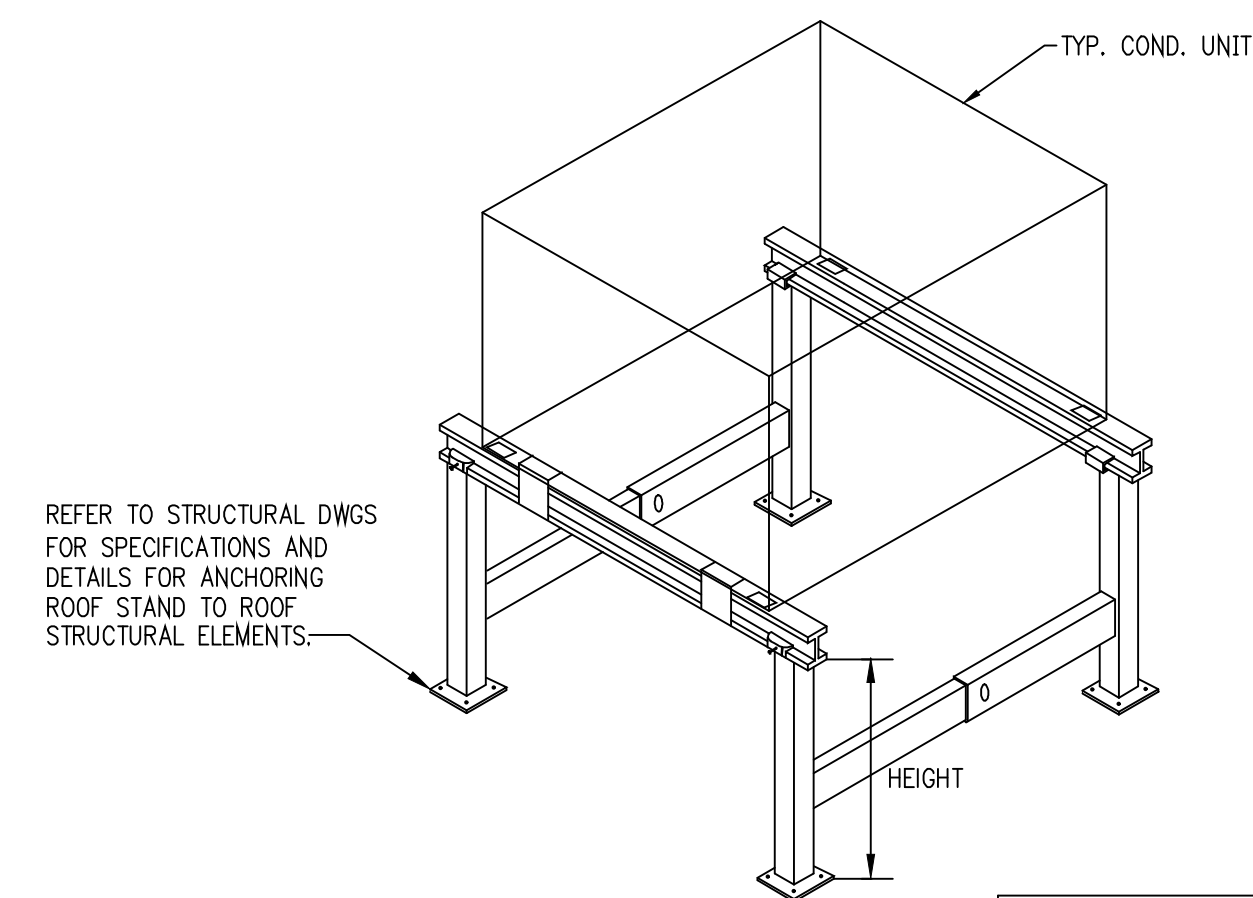
SINGLE DUCT VARIABLE TERMINAL UNIT DETAIL

N.T.S.



CONDENSING UNIT MOUNTING ROOF RACK DETAIL (MINI-SPLITS SYSTEM)

NTS



NOTES:

1. ALL CONSTRUCTION TO MEET ALUMINUM ASSOCIATION STANDARDS SPECIFICATIONS.
2. BASE AS MANUFACTURED BY MIAMI-TECH. ALUMINUM STAND, NOA No. 17-1218.02, EXPIRATION DATE: JANUARY 15, 2024.
3. BASE TO COMPLY WITH I.B.C.

| ROOFTOP EQUIPMENT HEIGHT REQUIREMENTS | |
|---------------------------------------|------------------------------------|
| WIDTH OF EQUIPMENT | HEIGHT OF LEGS FROM FINISH ROOF |
| UP TO 24" | 14" |
| 25" TO 36" | 18" |
| 37" TO 48" | 24" |
| 49" TO 60" | 30" |
| 61" AND WIDER | 48" |

CONDENSING UNIT STAND DETAIL (MINI-SPLITS SYSTEM)

N.T.S.



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ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

[illegible]

HVAC -DETAILS

M500

Scale: AS SHOWN



NTS



NTS

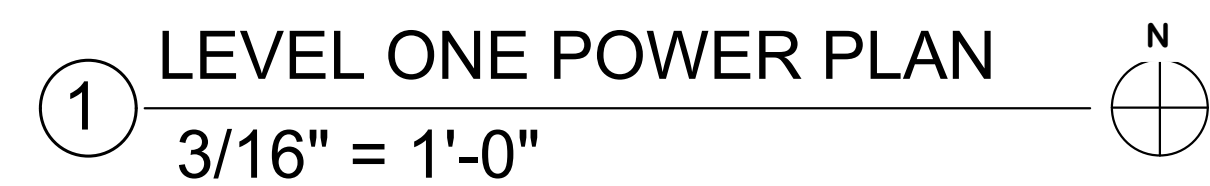
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|------------------|---|
| R | RLY SPOT, 24VAC |
| SC | TRACER SC BUILDING CONTROLLER & SOFTWARE |
| UC600 | BACNET UNIT CONTROLLER |
| C02 | C02 DUCT SENS, DEMAND-CONTR'L VENT |
| DPS - 1, DPS - 3 | DIFF PRES SW, 0.05-12 IN WC |
| DPS-2 | DIFF PRES SW, 2-12 0 IN WC |
| DA | ACT PROP 24VAC SR 601N-LB |
| LLT | LOW TSTAT , 35-45F, MAN'L, SPST |
| TE - 1 | TEM P SENS, DUCT/IM M , THERM 4 IN |
| TE - 2 | TEM P SENS, AVG, THERM , 20FT |
| TE - 3 | VAV BOX - ZONE TEM PERATURE SENSOR ON + CANCEL |
| TE-4 | VAV BOX - AUX TEM PERATURE SENSOR |
| AFS-1 | VAV BOX - BAR FLOW SENSOR |
| AFS-2 | AIR FLOW, AM PLIFLOW VEL (UP TO 301N) |
| C02 - 1 | C02 DUCT SENS, DEMAND-CONTR'L VENT |
| C02-2 | VAV BOX - C02 ZONE SENS, DEMAND-CONTR'L VENT |
| OCC | VAV BOX - OCCUPANCY ZONE SENSOR CEILING MOUNTED |
| SD | PHOTOELECTRIC SMOKE DETECTOR |
| DPT - 1 | AIR DPT SENS, 0-SIN WC, 4-20M A |
| DPT - 2 | AIR FLOW MEASURING PROBE, FAN INLET |
| DPT-3 | AIR DPT SENS, 0-11N WC, 4-20M A, DUCT |
| VFD | TR200 VARIABLE FREQUENCY DRIVE WITH ELECTROM ECHANICAL 3-CONTACTOR BYPASS |

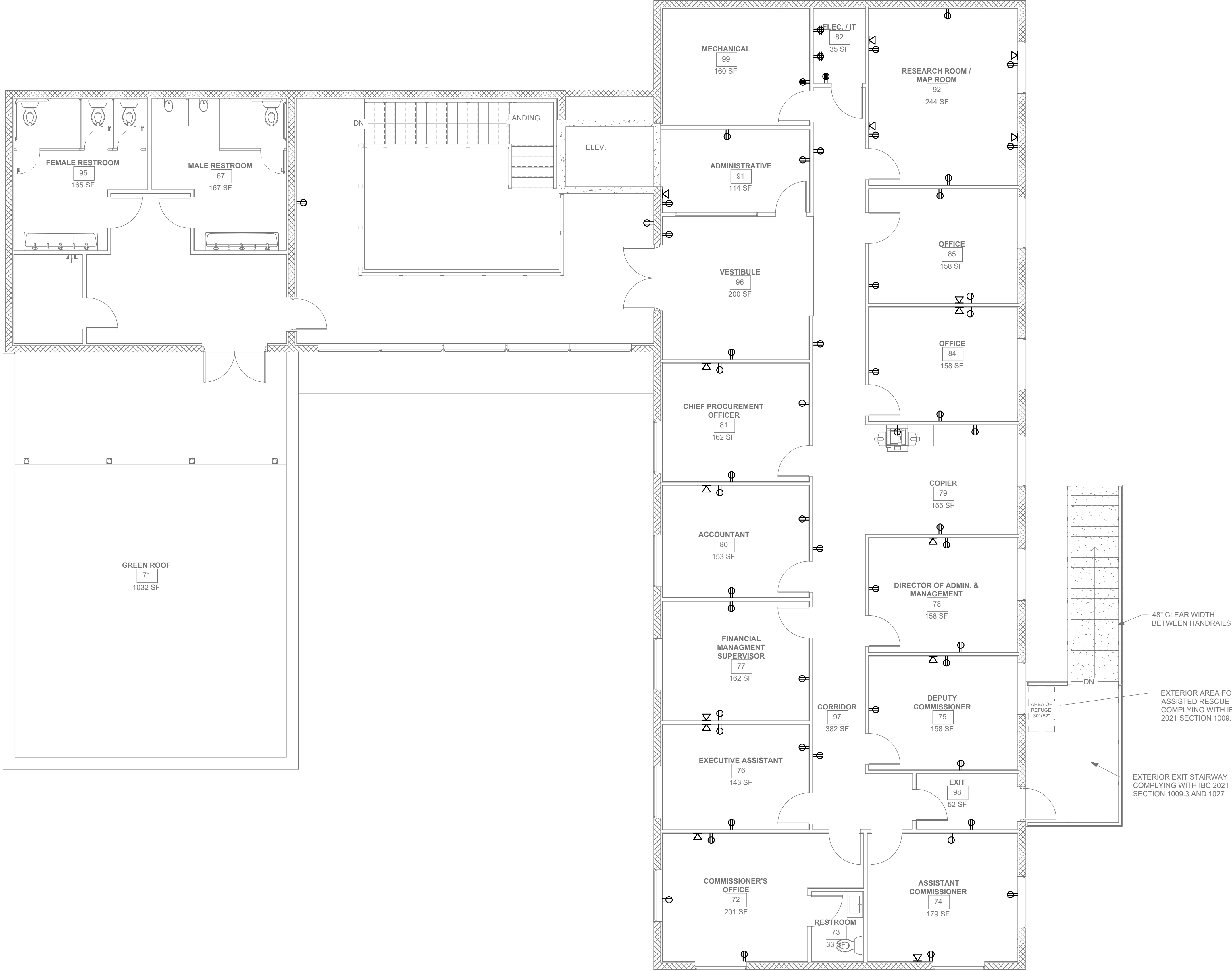


SCHEMATIC CONTROL DIAGRAM (AHU-1 AND CU-1)

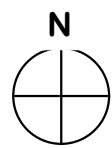
NTS

50% SUBMITTAL





1 LEVEL TWO POWER PLAN
3/16" = 1'-0"



ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
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| No. | Description | Date |
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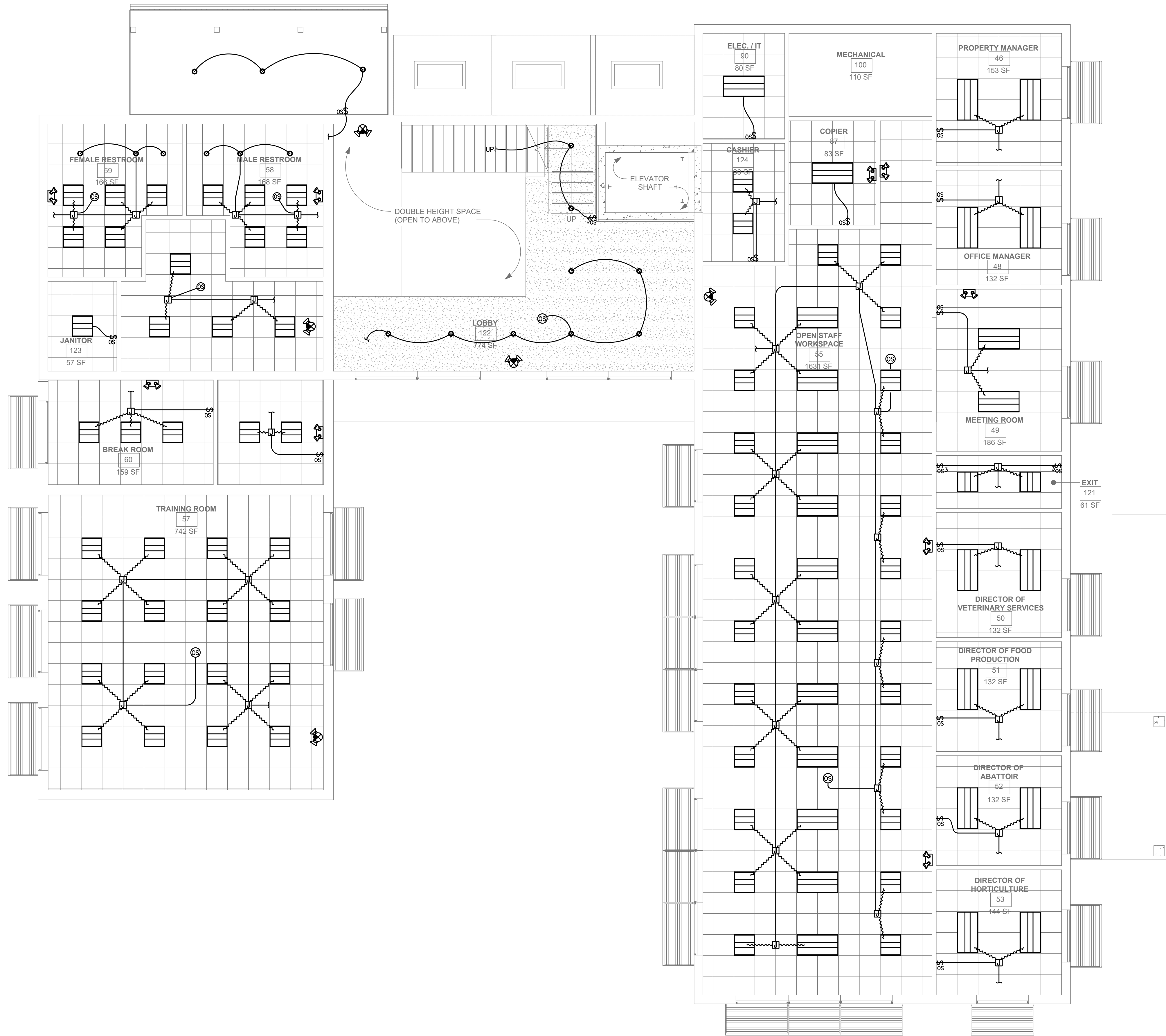
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| Project number | 2021.008.00 |
| Date | 11/08/2022 |
| Drawn by | PSI |
| Checked by | RLP |

LEVEL TWO POWER PLAN

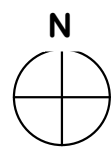
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Scale: AS SHOWN

50% SUBMITTAL



1 LEVEL ONE REFLECTED CEILING PLAN
3/16" = 1'-0"



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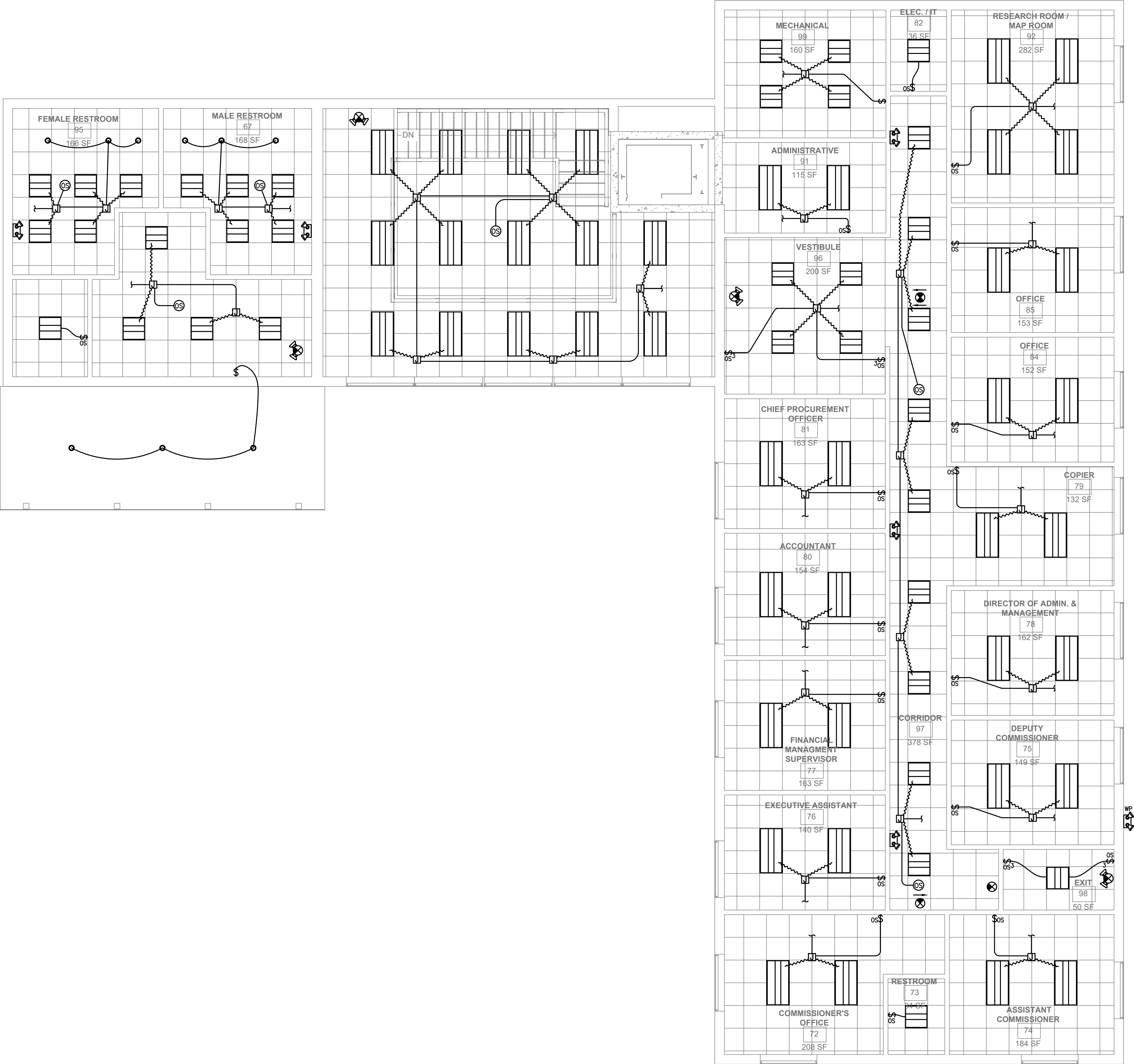
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LEVEL ONE REFLECTED
CEILING PLAN

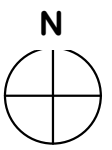
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Scale: AS SHOWN

50% SUBMITTAL



1 LEVEL TWO REFLECTED CEILING PLAN
3/16" = 1'-0"



ADMINISTRATIVE BUILDING
FOR
V.I. DEPT. OF AGRICULTURE
1 ESTATE LOWER LOVE
ST. CROIX, VI 00850

| PROGRESS SET | | |
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














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| Drawn by | PSI |
| Checked by | RLP |

LEVEL TWO REFLECTED
CEILING PLAN

E202

Scale: AS SHOWN

50% SUBMITTAL

| ELECTRICAL LEGEND | |
|--|--|
| (USE THOSE THAT APPLY) | |
| \$ | 120/277 V., 20 AMP., SINGLE POLE LIGHT SWITCH. |
| \$3 | 120/277 V., 20 AMP., THREE WAY SWITCH. |
| \$0 | 120/277 V., 20 AMP., DIMMER SWITCH |
| DS | DOOR SWITCH |
|  | ELECTRICAL PANEL |
|  | DISCONNECT SWITCH. "2" INDICATES NUMBER OF POLES; "60" = FRAME SIZE. "N" = NO FUSES. AND "F" DENOTES FUSE SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER. |
|  | EXHAUST FAN OR GARBAGE DISPOSAL |
|  | 250V SPECIAL PURPOSE RECEPTACLE |
|  | 20 A, 120V, DUPLEX RECEPTACLE, GROUNDING TYPE, U.O.N. MOUNTED 18" A.F.F. OR AS DIRECTED BY ARCHITECT. |
|  | 20A, 120V SINGLE RECEPTACLE |
|  | 20A, 120V GFI DUPLEX RECEPTACLE |
|  | 20A, 120V SPLIT WIRED RECEPTACLE |
|  | 20A, 120V FLOOR MOUNTED DUPLEX RECEPTACLE |
|  | JUNCTION BOX. |
|  | DATA OUTLET @ +18" A.F.F. OR AS DIRECTED BY ARCHITECT. (A BOX W/3/4" EMPTY CONDUIT TO CEILING SPACE). PROVIDE PULL STRING |
|  | CABLE TV OUTLET |
|  | MOMENTARY PUSH BUTTON AT 42" A.F.F. |
|  | WALL OR CEILING MOUNTED EXIT LIGHT WITH 90 MIN. BATTERY BACKUP |
|  | WALL/CEILING MOUNTED EMERGENCY LIGHT W/90 MIN. BATTERY BACKUP |
|  | WALL OR CEILING MOUNTED EXIT/EMERGENCY LIGHT W/90 MIN. BATTERY BACKUP |
| WP | WEATHERPROOF |
| WR | WATER RESISTANT |
| VP | VAPOR PROOF |
| AC | ABOVE COUNTER |
| NOTES: 1.- ALL LIGHT SWITCHES ARE TO BE INSTALLED AT 48" A.F.F. 2.- ALL ELECTRICAL, TELEPHONE/DATA AND TV OUTLETS TO BE INSTALLED AT 18" A.F.F., UNLESS OTHERWISE NOTED. COORDINATE EXACT LOCATION, COLOR AND STYLE WITH OWNER/ARCH. 3.- RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES (R402.4). ALL RECESSED LUMINAIRES SHALL BE IC-RATED AND LABELED AS MEETING ASTM E 283 (AIR TIGHT). | |

| ELECTRICAL NOTES | |
|--|---|
| 1. THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2017 EDITION OF THE NATIONAL ELECTRICAL CODE (NEC), AND THE 2021 INTERNATIONAL BUILDING CODE AND ANY OTHER APPLICABLE FEDERAL, STATE AND LOCAL CODES. | 27. MOTORS STARTERS SHALL BE MANUAL OR MAGNETIC AS INDICATED OR REQUIRED, WITH OVERLOAD RELAYS OR FUSES IN EACH HOT LEG. |
| 2. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. SAID CONTRACTOR SHALL MEET ALL REQUIREMENTS SET FORTH BY ANY LOCAL ORDINANCE AND GOVERNING AUTHORITIES. | 28. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR AIR CONDITIONING SYSTEMS AS PER MANUFACTURERS NAMEPLATE RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. |
| 3. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED INSURANCE FOR PROTECTION AGAINST PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK. | 29. ALL CIRCUIT BREAKERS SHALL BE OF THE INVERSE TIME TYPE (THERMAL-MAGNETIC). TWO AND THREE POLE CIRCUIT BREAKERS SHALL BE COMMON TRIP. TIE HANDLES ARE NOT PERMITTED. |
| 4. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF FINAL ACCEPTANCE. | 30. ALL ELECTRICAL EQUIPMENT SHALL BE RAINLIGHT (NEMA 3R) WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUIDTIGHT. |
| 5. IT SHALL NOT BE THE INTENT OF THESE PLANS AND SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR SHALL FURNISH AND INSTALL ANY ADDITIONAL CONDUIT, BOXES AND WIRING NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. | 31. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND SPECIAL ENCLOSURES AS REQUIRED FOR OTHER CLASSIFIED AREAS, U.O.N. |
| 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING TO ORIGINAL CONDITIONS ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT, ETC. CAUSED DURING THE PERFORMANCE OF WORK. | 32. PROVIDE ALL FIXTURES WITH LAMPS, VERIFY TYPE WITH MANUFACTURER. |
| 7. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE OR DELAYS AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY. | 33. ALL OPENINGS FOR LIGHT FIXTURES IN CEILINGS SHALL BE PROTECTED IN A MANNER (PER ALL GOVERNING CODES) THAT WILL PROVIDE THE SAME RATING AS THE CEILING. THIS APPLIES TO ALL FIRE RATED CEILINGS. |
| 8. THE CONTRACTOR SHALL VISIT THE JOB SITE AND VERIFY ALL EXISTING CONDITIONS, AND SHALL THOROUGHLY REVIEW ALL DRAWINGS, SPECIFICATIONS AND POSSIBLE ADDENDA PRIOR TO BIDDING ON HIS WORK. NO EXTRAS TO HIS CONTRACT WILL BE ALLOWED FOR FAILURE TO COMPLY WITH THIS REQUIREMENT. | 34. ELECTRICAL CONTRACTOR SHALL VERIFY THE CEILING FINISHES AND SUSPENSION SYSTEMS FOR SELECTION OF PROPER TRIMS AND SUPPORT ARRANGEMENTS FOR LIGHTING FIXTURES. |
| 9. THE CONTRACTOR SHALL NOT SCALE THE ELECTRICAL DWGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE. | 35. ALL LIGHTING SWITCHES AND/OR DIMMERS SHALL BE GANGED TOGETHER WHERE SHOWN TOGETHER. |
| 10. CONTRACTOR SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR SO THAT INTERFERENCE WITH OTHER TRADES BE AVOIDED. | 36. ALL CONNECTIONS TO GROUND RODS SHALL BE MADE WITH UL APPROVED WELDED CONNECTIONS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL FORM A GROUNDING ELECTRODE SYSTEM AS PER NEC ARTICLE 250. |
| 11. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND NECESSARY SUPERVISION TO ACCOMPLISH THE WORK AS SHOWN AND/OR NOTED ON THE PLANS. | 37. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN ACCESSIBLE AREAS ONLY. |
| 12. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE ADVANCE ORDERING OF LONG LEAD ITEMS, AS TO NOT INTERFERE WITH THE WORK OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME. THE CONTRACTOR SHALL NOT ORDER ANY ITEMS UNTIL APPROVED SHOP DWGS. ARE RETURNED TO HIM. | 38. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES. |
| 13. CONTRACTOR SHALL COORDINATE SERVICES WITH THE RESPECTIVE UTILITY COMPANIES. | 39. LIGHTING FIXTURES DESCRIBED HEREIN ARE INTENDED TO INDICATE THE GENERAL FIXTURE TYPE, WHICH SHALL BE SUBSTANTIALLY AS SPECIFIED. IT IS NOT THE INTENT OF THIS SPECIFICATIONS TO REQUIRE THE PRODUCT OF ANY PARTICULAR MANUFACTURER WHOSE PRODUCT IS SPECIFIED. |
| 14. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF CEILING CONSTRUCTION BEFORE ORDERING OR INSTALLING ANY LIGHT FIXTURES. | 40. CONNECT ALL EMERGENCY AND EXIT LIGHTS TO INDICATED CIRCUITS AHEAD OF ANY SWITCH. |
| 15. ALL CONDUCTORS SHALL BE STRANDED COPPER, TYPE THHN/THWN, EXCEPT WHERE OTHERWISE REQUIRED BY U.L. OR ANY CODE. MINIMUM WIRE SIZE SHALL BE 12 AWG, EXCLUDING CONTROL WIRING. | 41. PROPER PLASTER RINGS SHALL BE USED WITH OUTLET BOXES. PLASTER RINGS SHALL BE A MAXIMUM OF 1/8" FROM THE FINISHED SURFACE OF THE DRYWALL AFTER THE DRYWALL IS INSTALLED. PROPER COORDINATION BETWEEN THE ELECTRICAL CONTRACTOR AND THE GENERAL CONTRACTOR FOR RING INSTALLATION IS REQUIRED. ALL OUTLET BOXES SHALL BE SECURELY FASTENED. ANY AND ALL IMPROPERLY INSTALLED PLASTER RING OR OUTLET BOXES SHALL BE REMOVED AND A NEW RING OR OUTLET INSTALLED AT THE CONTRACTOR'S EXPENSE. |
| 16. ALL CONDUCTORS SHALL BE IN CONDUITS. CONDUITS SHALL BE GALVANIZED RIGID STEEL (GRC) EXCEPT THAT: (A) PVC CONDUITS MAY BE USED UNDERGROUND PROVIDED ELBOWS AND RISERS ARE GRC; (B) ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN OR ON WALLS OR CEILINGS WHERE NOT SUBJECT TO MECHANICAL DAMAGE, DAMP OR CORROSIVE CONDITIONS; (C) LIQUIDTIGHT FLEXIBLE CONDUIT WHERE REQUIRED; (D) FLEXIBLE METALLIC CONDUIT WHERE REQUIRED IN DRY LOCATIONS ONLY. ALL CONDUITS IN HAZARDOUS AREAS (PER NEC) SHALL MEET THE REQUIREMENTS OF NEC CHAPTER 5. | 42. APPROVAL SHALL BE OBTAINED FROM AN STRUCT. ENGINEER PRIOR TO CUTTING OR DRILLING ANY STRUCTURAL SUPPORT MEMBER. |
| 17. APPLY TWO COATS OF BITUMASTIC (KOPPERS 60) TO ALL METALLIC CONDUITS IN SLABS OR UNDERGROUND. EMT IS NOT PERMITTED IN SLABS. ALUMINUM CONDUITS ARE NOT PERMITTED ANYWHERE. | 43. INSTALL POWER AND CONTROL WIRING AND REQUIRED CONTROL COMPONENTS FOR A/C SYSTEMS AS SHOWN/NOTED ON THESE DRAWINGS AND PER OTHER APPLICABLE DRAWINGS/INSTRUCTIONS. SEE AIR CONDITIONING DRAWING. |
| 18. FLEXIBLE CONDUIT SHALL BE USED FOR CONNECTIONS TO VIBRATING EQUIPMENT AND RECESSED LIGHT FIXTURES, WHERE PERMITTED BY CODE. | 44. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS DIRECTED BY OWNER. |
| 19. FOR UNDERGROUND ELECTRICAL CONDUITS, PROVIDE PULL BOXES SUCH THAT NO SINGLE CONDUIT RUN HAS BENDS IN EXCESS OF 360 DEGREES, OR 180 DEGREES FOR TELEPHONE. PULL BOXES SHALL BE SUITABLE AND APPROVED FOR THE INTENDED USE AND WITH IRON COVERS. WARNING TAPES WHICH "WARNING BURIED ELECTRIC" SHALL BE PLACED IN TRENCHES ABOVE ELECTRIC CONDUITS. WHERE CONDUITS PASS UNDER PAVED AREAS, THEY SHALL BE GRC. WHERE UNDERGROUND CONDUITS ARE NOT EXPOSED TO MECHANICAL DAMAGE OR ARE NOT UNDER PAVED AREAS, THEY SHALL BE SCHEDULE 40 PVC. ELBOWS AND RISERS SHALL BE GRC. | 45. EMPTY CONDUITS TO BE PROVIDED WITH NYLON PULL STRINGS. |
| 20. ALL CONDUIT RUNS ARE SHOWN DIAGRAMMATICALLY. THE EXACT ROUTING SHALL BE DETERMINED IN THE FIELD, UNLESS NOTED OTHERWISE. | 46. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL WIRING, BKR, AND FUSE SIZES IN ACCORDANCE WITH A/C EQUIPMENT NAMEPLATE IF DIFFERENT FROM THAT SPECIFIED ON DWGS, AS WELL AS ANY FEEDER CHANGES BEING AFFECTED BY THIS CHANGE. CONTRACTOR SHALL MAKE ABOVE MENTIONED CHANGES AT NO EXTRA COST. |
| 21. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS, WALLS AND STRUCTURAL SLABS. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY PRIOR TO SUBMITTING BID, THE LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALLS, AND STRUCTURAL SLABS. | 47. CONTRACTOR SHALL COORDINATE ALL HIS WORK WITH OTHER TRADES IN ORDER TO FURNISH AND INSTALL ALL CONTROL WIRING AND RACEWAYS AS SHOWN ON THE A/C DRAWINGS AND/OR SPECIFICATIONS. IF AIR CONDITIONING DRAWINGS REFER TO MANUFACTURERS WIRING DIAGRAMS, THE CONTRACTOR SHALL VERIFY WITH SAID MANUFACTURER ALL REQUIREMENTS AND INCLUDE ALL RELATED WORK IN HIS CONTRACT. |
| 22. UNLESS NOTED AS EXISTING, ALL EQUIPMENT, WIRING, DEVICES, ETC. SHALL BE NEW. | 48. ALL LUMINAIRES SHALL BE PROPERLY SUPPORTED IN ACCORDANCE WITH THE CEILING SYSTEM MANUFACTURER RECOMMENDATIONS AND LOCAL CODE REQUIREMENTS. |
| 23. A PULL WIRE OR CORD SHALL BE INSTALLED IN ALL EMPTY CONDUITS. | 49. THIS DRAWING IS A GUIDE FOR THE ELECTRICAL INSTALLATION. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FUNCTIONING SYSTEM. |
| 24. ALL DISCONNECT SWITCHES SHALL BE SIZED BY NEC REQUIREMENTS TO ACCOMMODATE THE EQUIPMENT SERVED, INCLUDING REJECTION CLIPS AND FUSES. SWITCHES SHALL BE HP RATED FOR MAXIMUM HORSEPOWER. | 50. ALL CABLES SHALL BE RUN WITHOUT SPLICES, U.O.N. |
| 25. CONTRACTOR SHALL VERIFY CIRCUIT PROTECTIVE DEVICE RATING FOR EQUIPMENT PRIOR TO INSTALLATION. | 51. ALL PULL AND J-BOXES SHALL BE ACCESSIBLE AT ALL TIMES. |
| 26. ALL FUSES SHALL BE CURRENT LIMITING, PER U.L. RATED 600V OR 250V AS REQUIRED, WITH: a) NON TIME DELAY FUSES IN MAIN SWITCHES AND SWITCHES FEEDING PANELS. b) DUAL ELEMENT TIME DELAY FUSES FOR MOTORS AND HVAC EQUIPMENT. | 52. EXACT POINT/METHODS OF CONNECTION SHALL BE DETERMINED IN THE FIELD. 53. ALL RACEWAY ROUTED INSULATED CONDUCTORS SYSTEM SHALL BE COLOR CODED AS FOLLOWS. 120/208 V SYSTEM: PHASE 'A' BLACK PHASE 'B' RED PHASE 'C' BLUE NEUTRAL WHITE (see note below) GROUND GREEN 277/480 V SYSTEM PHASE 'A' BROWN PHASE 'B' PURPLE PHASE 'C' YELLOW NEUTRAL GRAY GROUND GREEN Note: When mixing different voltage systems in the same raceway or enclosure use white insulation wire with a readily distinguishable color stripe running along its entire length. |



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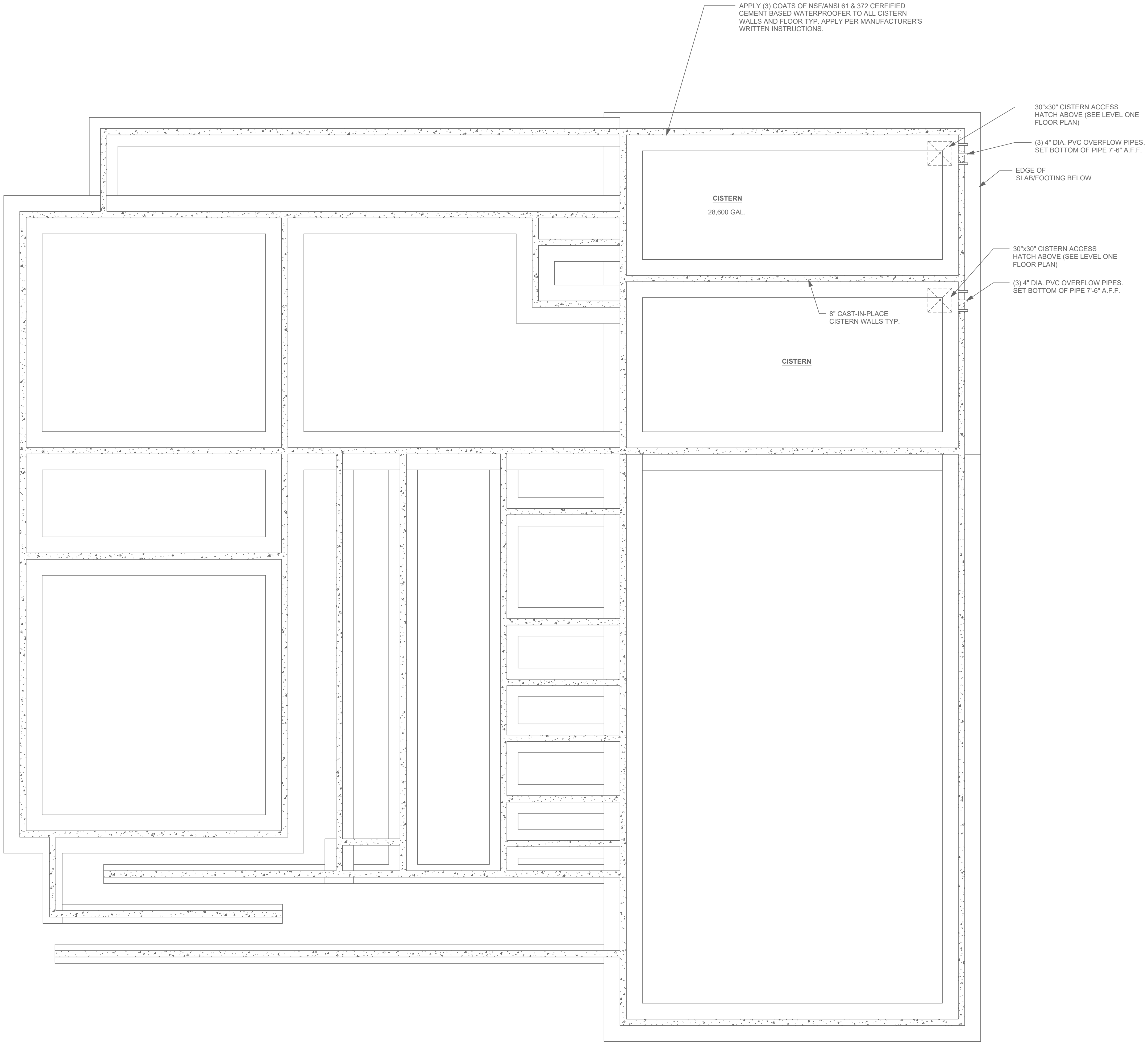
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| Checked by | RLP | |

ELECTRICAL NOTES
AND LEGEND

E300
Scale: AS SHOWN

50% SUBMITTAL



1 CISTERN LEVEL FLOOR PLAN
3/16" = 1'-0"



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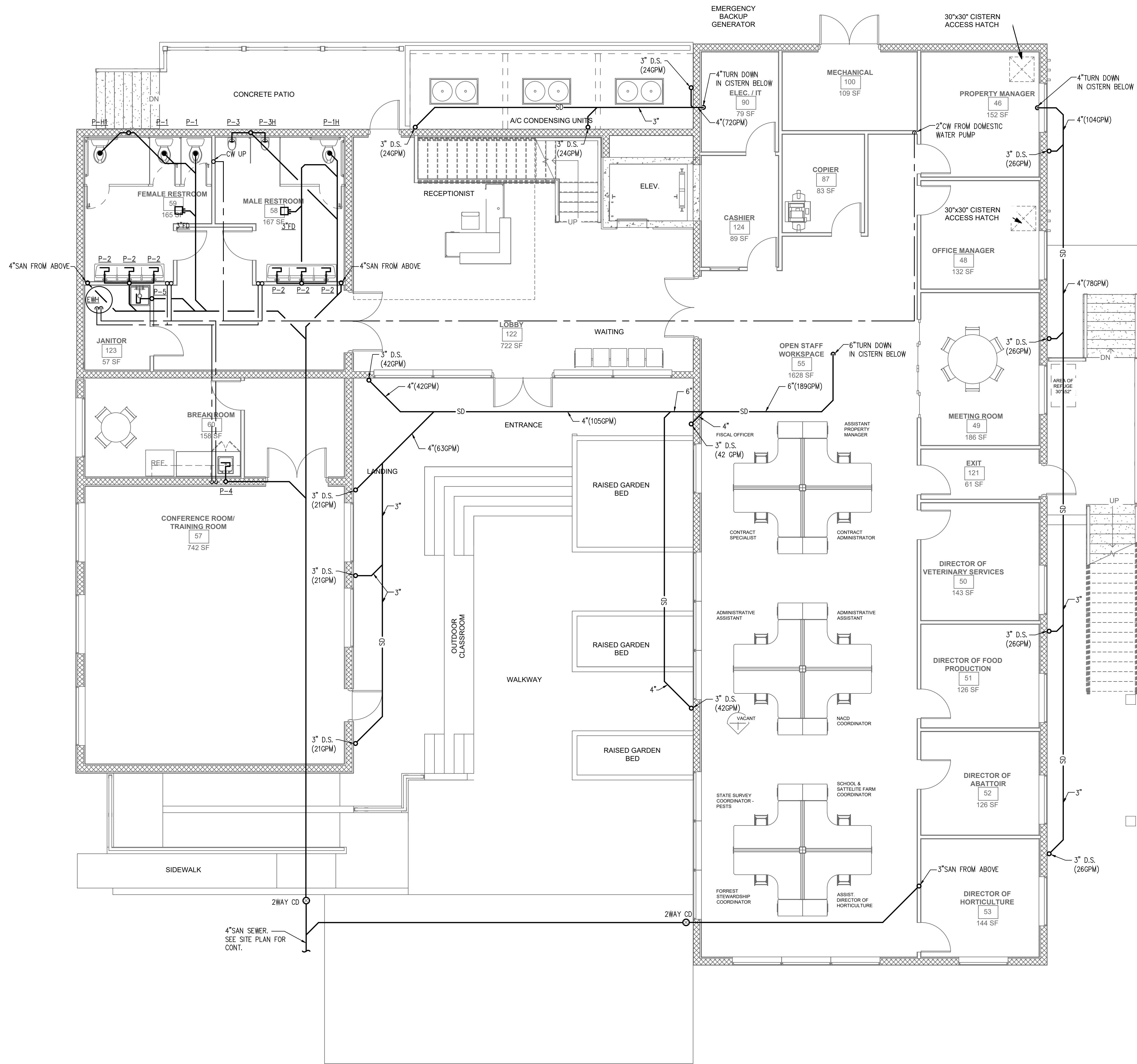
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CISTERN LEVEL FLOOR
PLAN

P100

Scale: AS SHOWN

50% SUBMITTAL



1 LEVEL ONE
3/16" = 1'-0"

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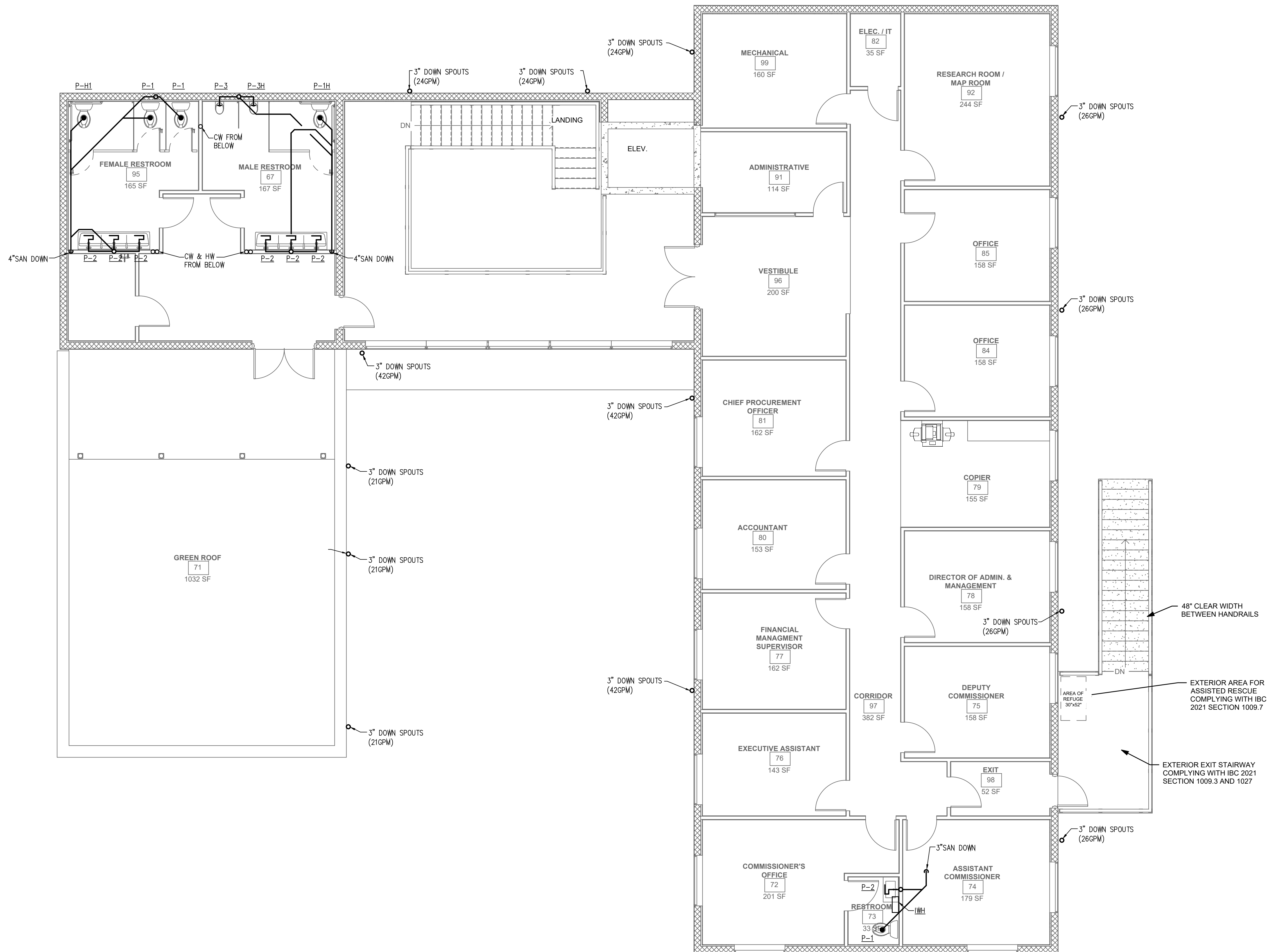
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LEVEL TWO FLOOR PLAN

P102

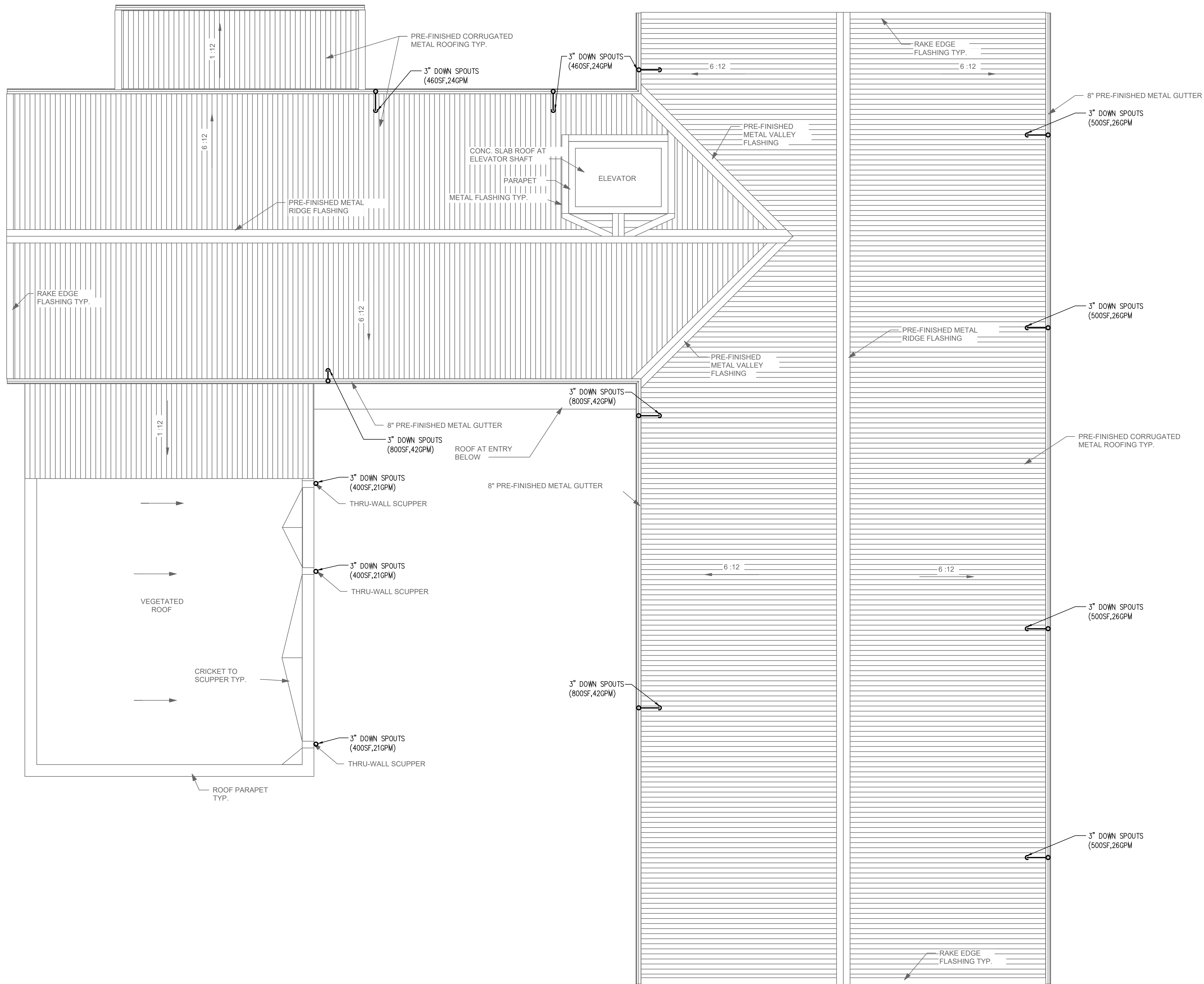
Scale: AS SHOWN



① LEVEL TWO
3/16" = 1'-0"



| | |
|---------------|--|
| 50% SUBMITTAL | |
|---------------|--|



1 ROOF PLAN
3/16" = 1'-0"

| PROGRESS SET | | |
|----------------|-------------|------|
| No. | Description | Date |
| | | |
| | | |
| | | |
| | | |
| REVISIONS | | |
| No. | Description | Date |
| | | |
| | | |
| | | |
| | | |
| | | |
| Project number | 2021.008.00 | |
| Date | 11/08/2022 | |
| Drawn by | PSI | |
| Checked by | RLP | |



| PROGRESS SET | | |
|--------------|-------------|------|
| No. | Description | Date |
| | | |
| | | |
| | | |

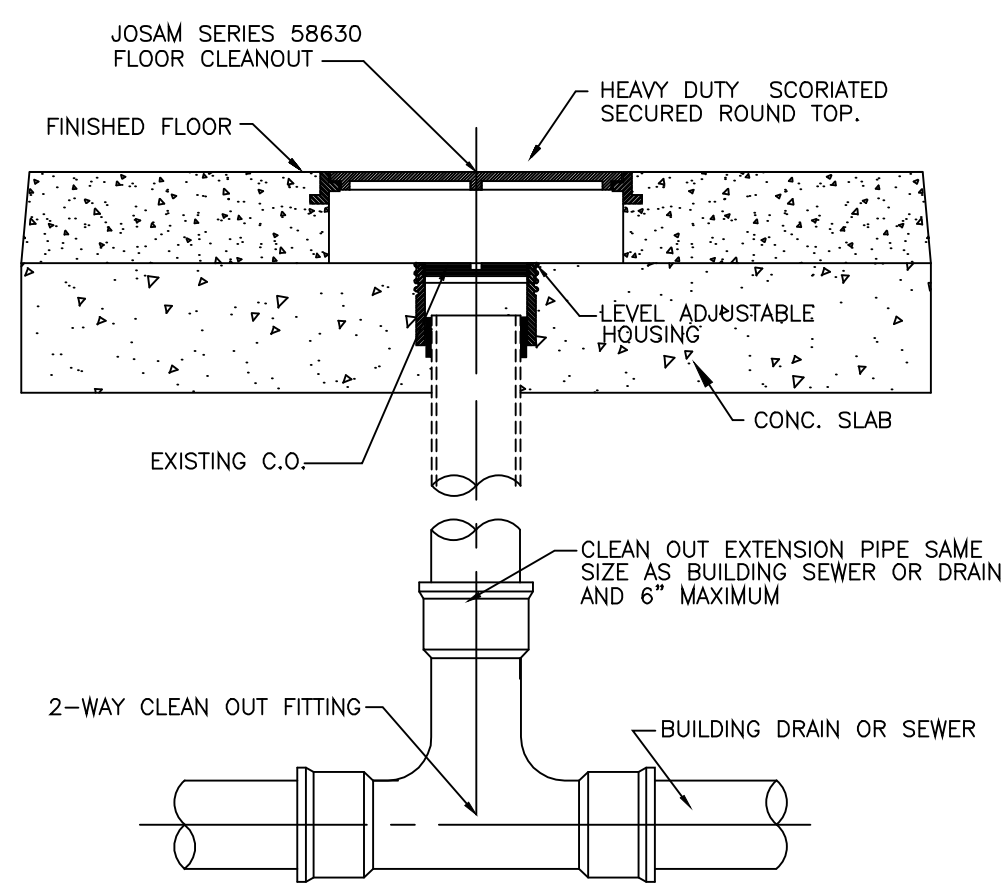
REVISIONS

Project number
Date
Drawn by
Checked by

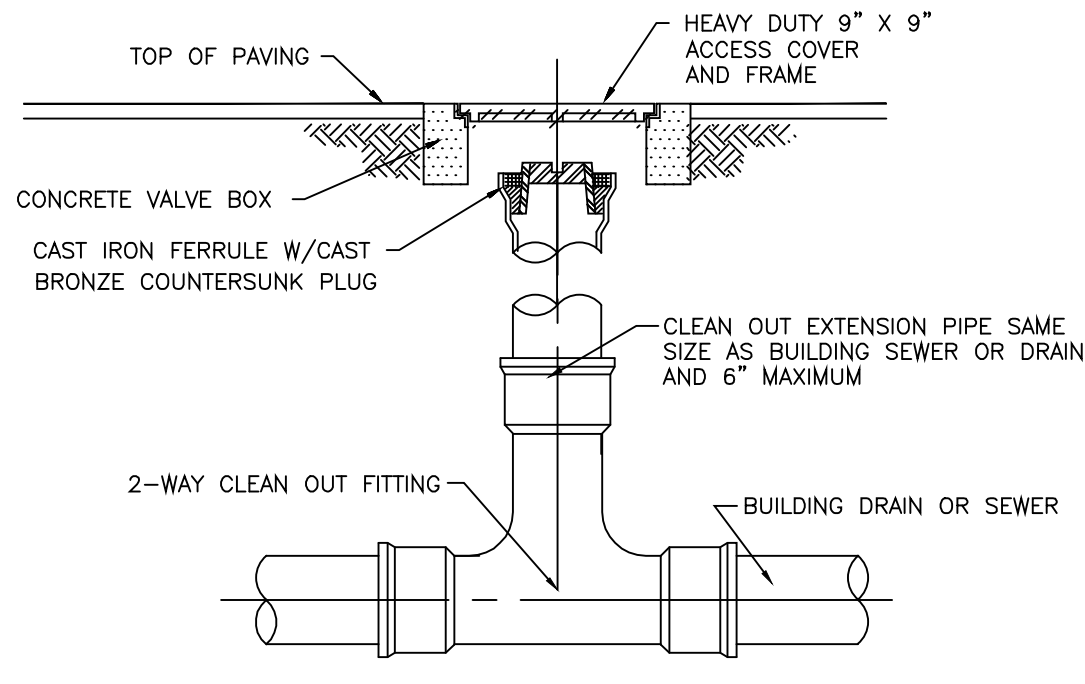
DETAILS

P301

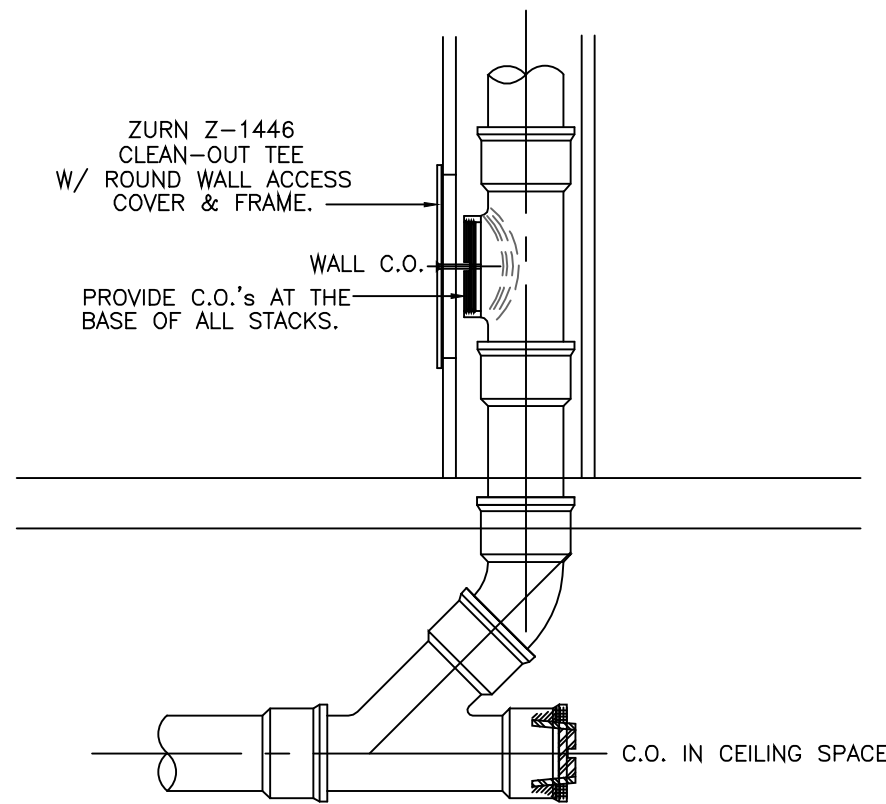
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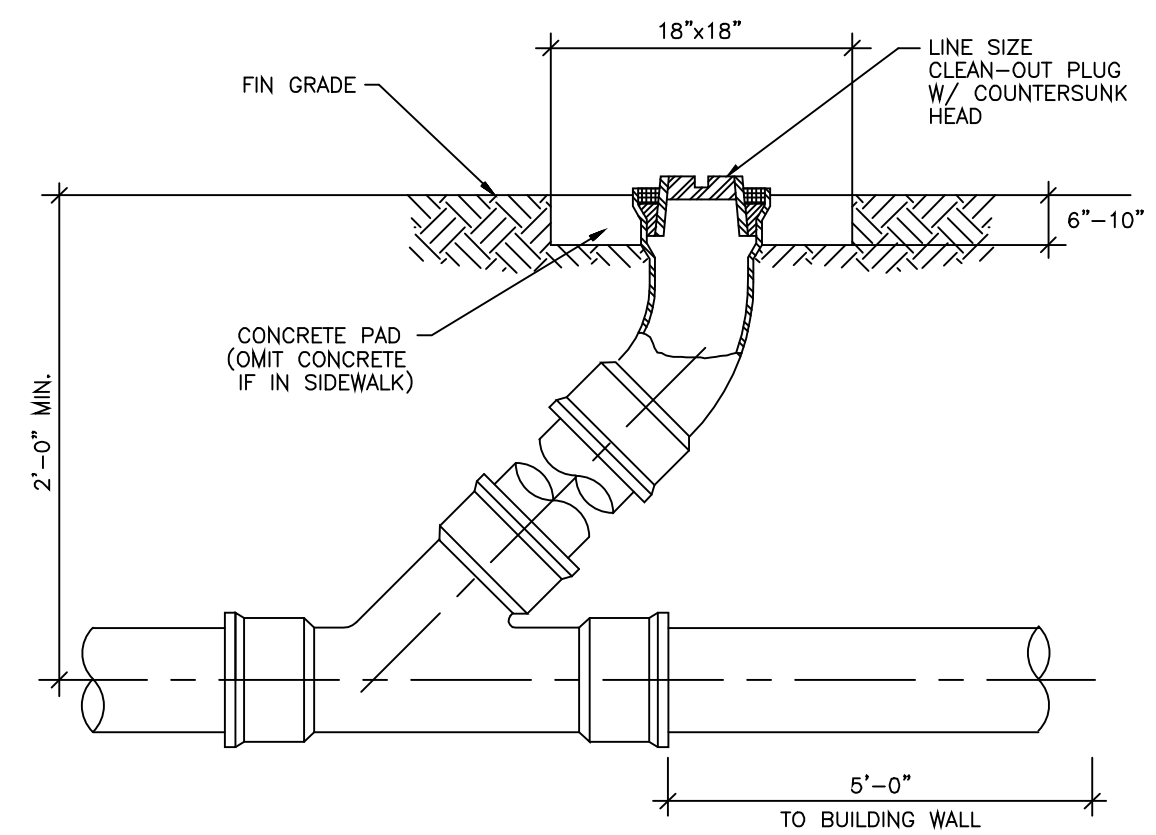
1 INTERIOR 2-WAY CLEAN OUT DETAIL
P301 N.T.S.



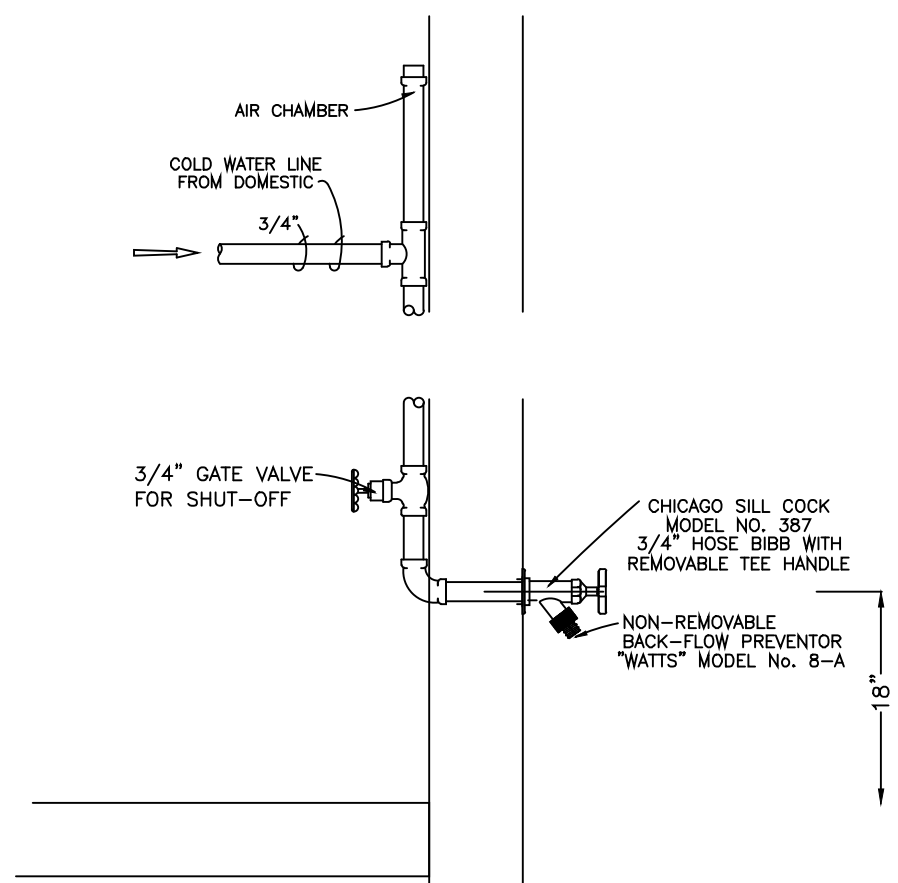
2 EXTERIOR 2-WAY CLEAN OUT DETAIL
P301 N.T.S.



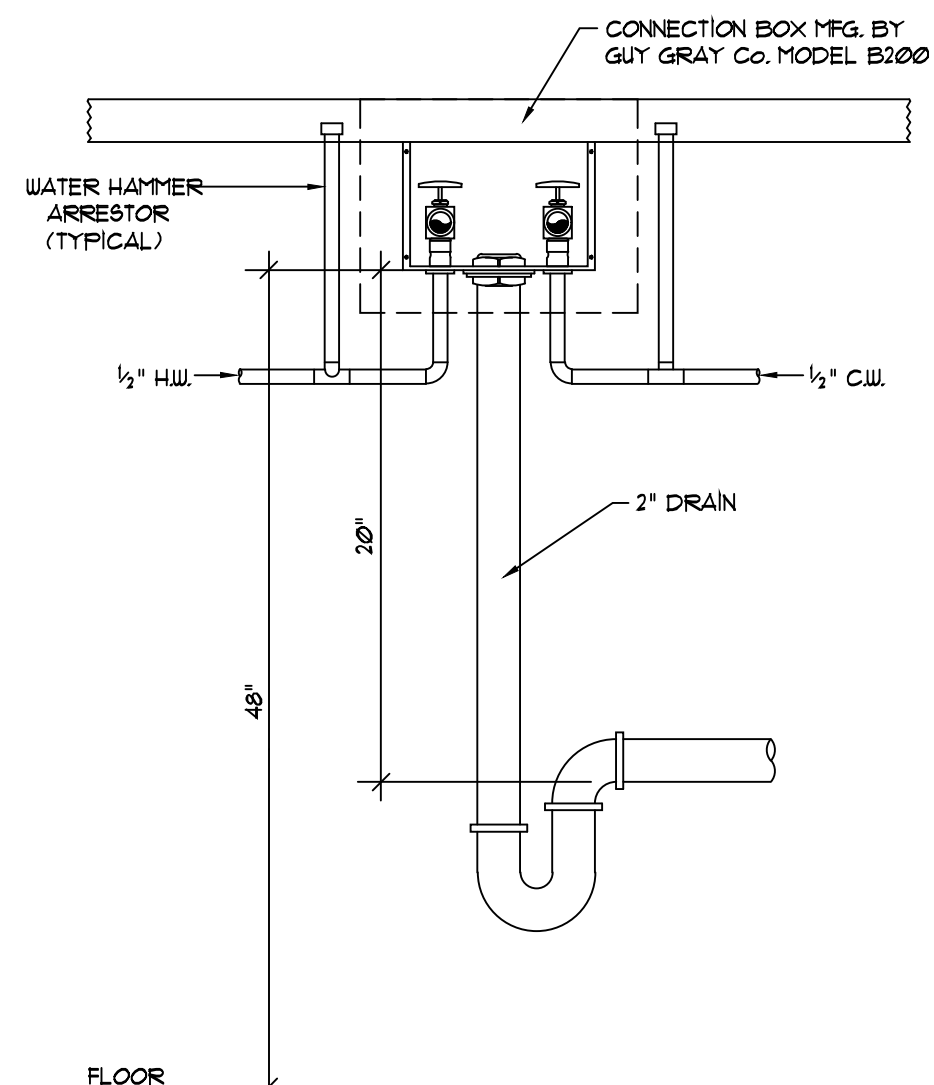
3 WALL & HORIZONTAL CLEAN OUT DETAIL
P301 N.T.S.



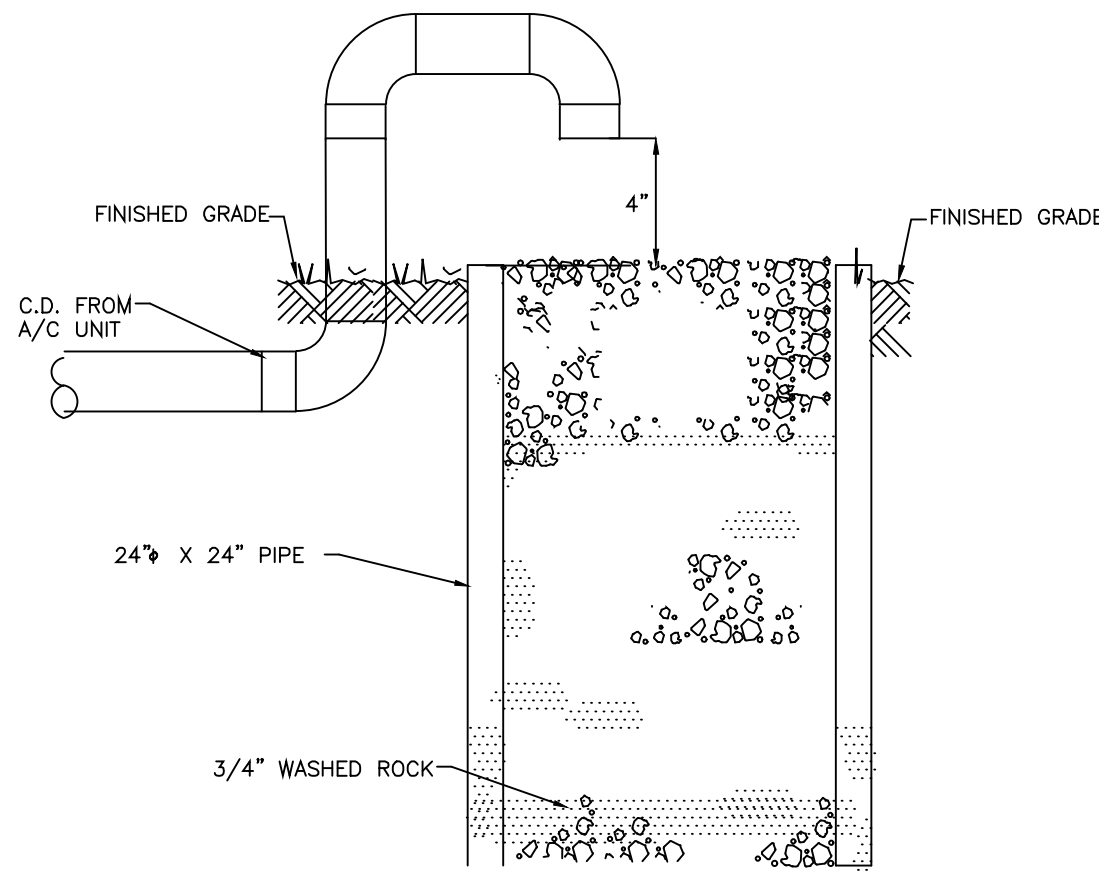
4 ON-GRASS
CLEAN OUT DETAIL
P301 N.T.S.



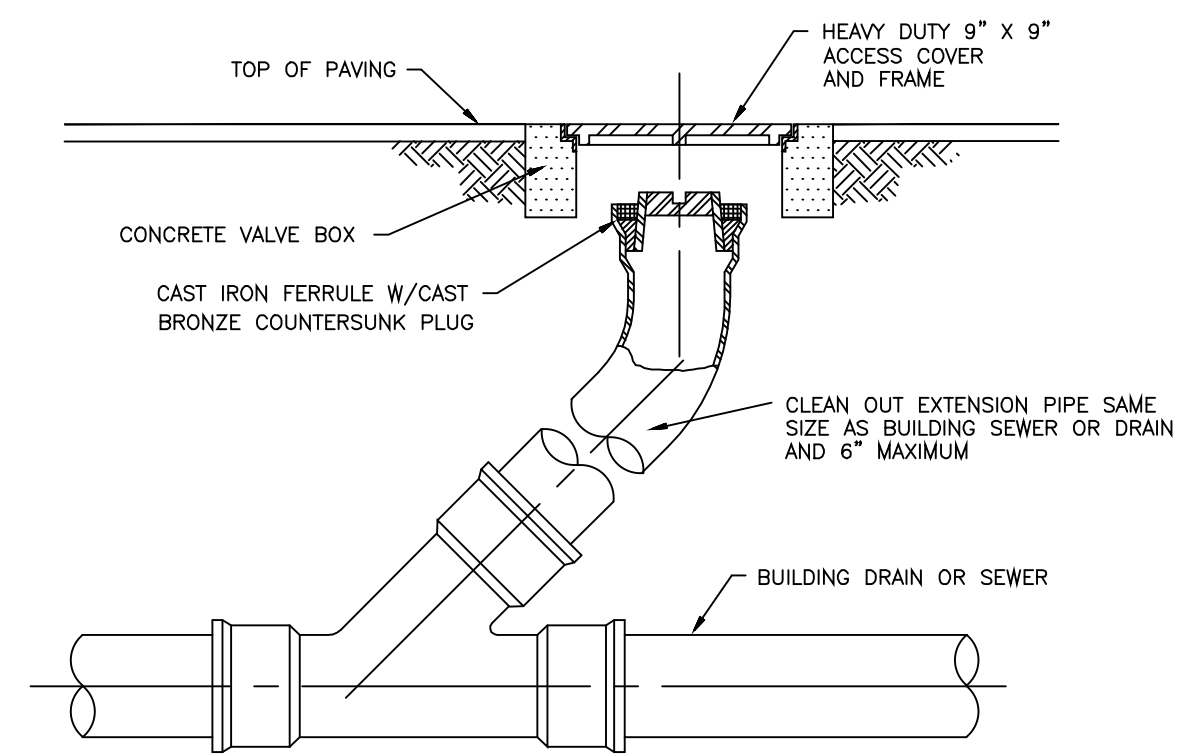
5 TYPICAL HOSE BIBB CONNECTION
P301 N.T.S.



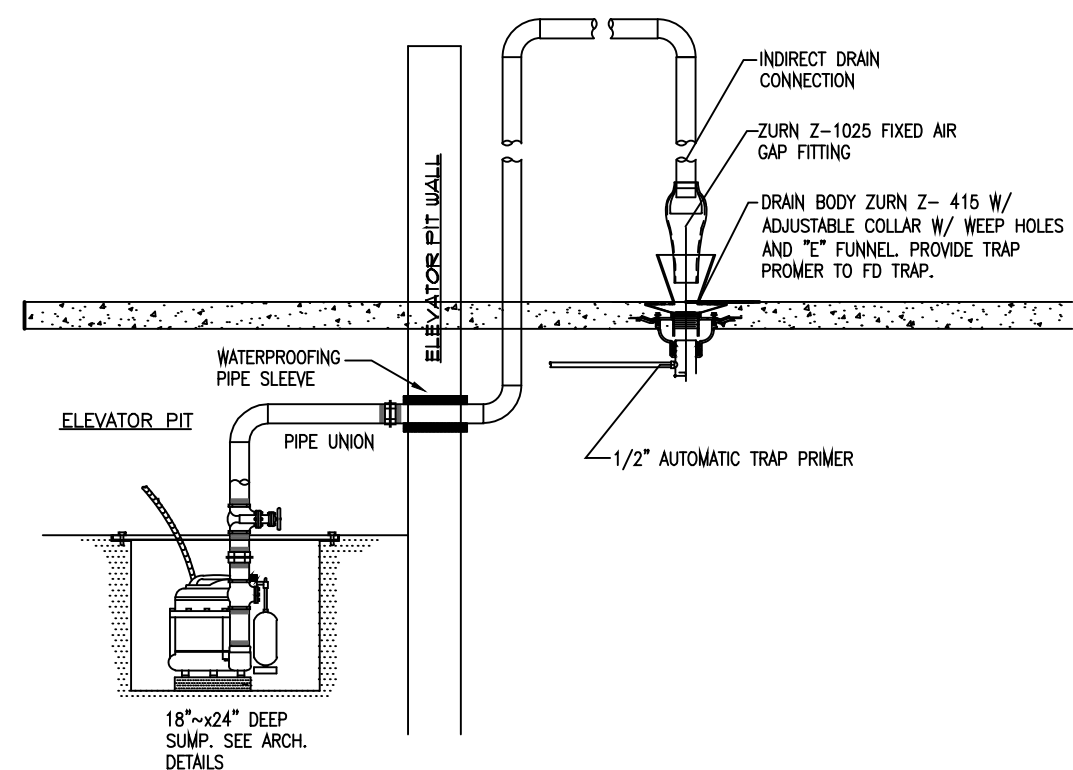
6 WASHING MACHINE CONNECTION DETAIL
P301 N.T.S.



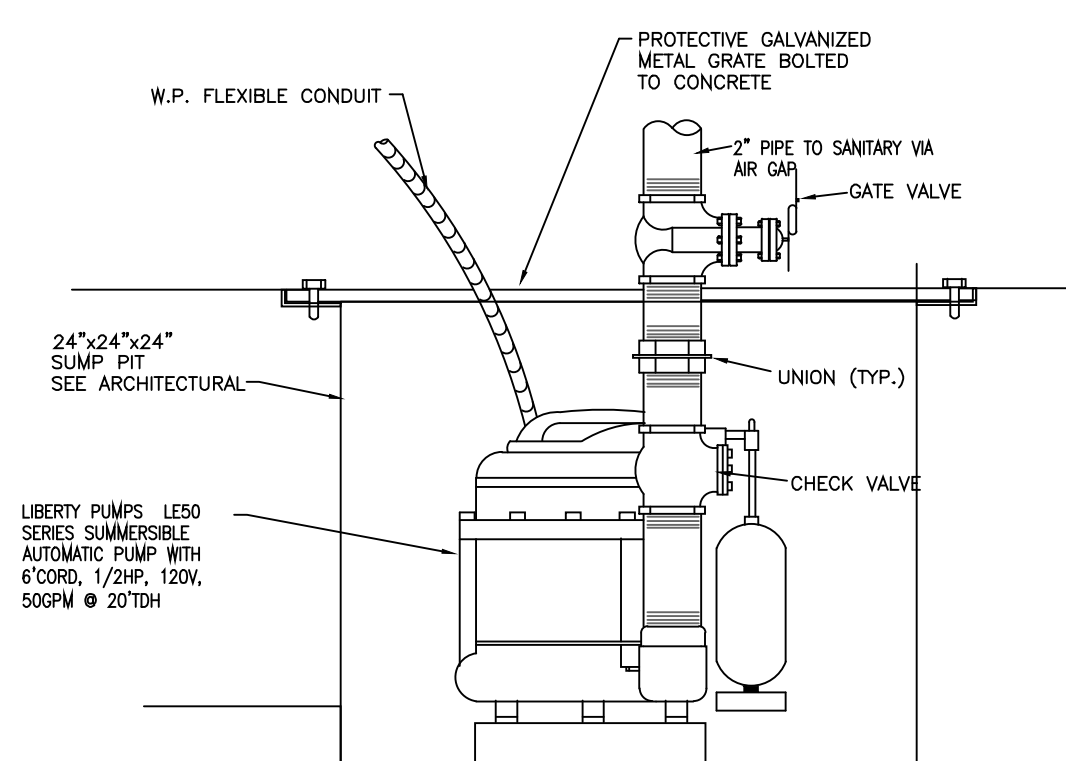
7 A/C CONDENSATE DRYWELL DETAIL
P301 N.T.S.



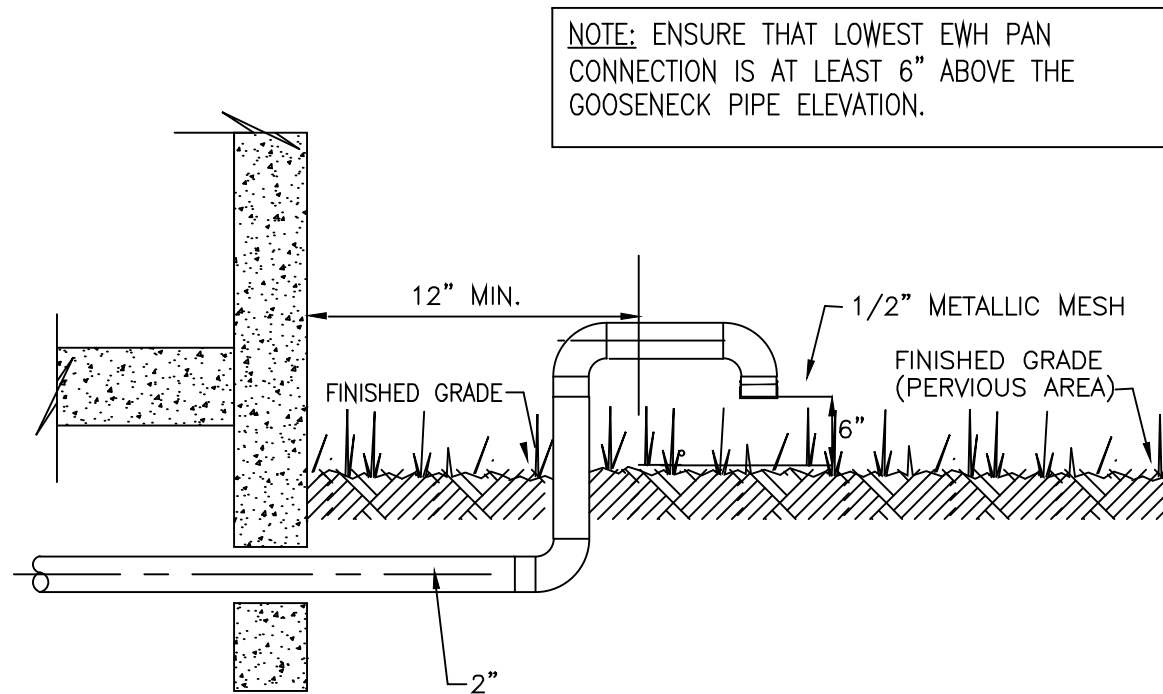
8 EXTERIOR CLEAN OUT DETAIL
P301 N.T.S.



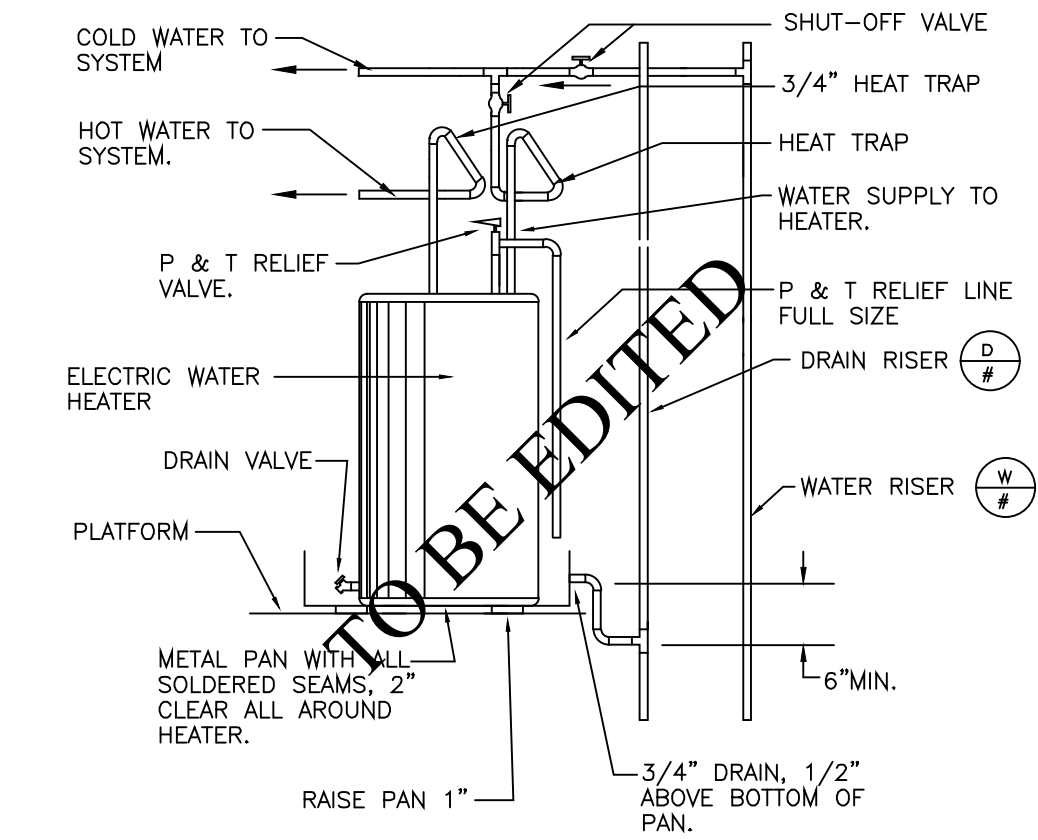
9 SUMP PUMP DISCHARGE DETAIL
P301 N.T.S.



10 ELEVATOR SUMP PUMP DETAIL
P301 N.T.S.

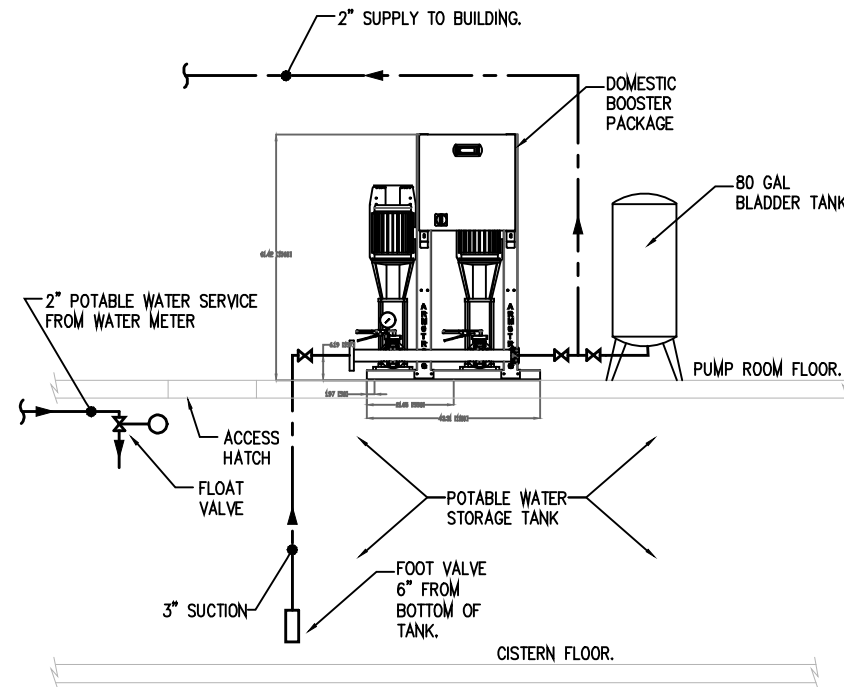


11 EWH PAN & RELIEF DISPOSAL DETAIL
P301 N.T.S.



12 ELECTRIC WATER HEATER DETAIL
P301 N.T.S.

DOMESTIC BOOSTER PUMP PIPING DIAGRAM



DOMESTIC BOOSTER PUMP SELECTION



Submittal

Ref. #: SQJKW001973_1

Design Envelope Booster System
Series: 6800G Design Envelope
Model: N230502-5 hp

Project name: SEALS FIRE STATION, ST. THOMAS
Representative: Jose Casin
Location: Phone number: 305 594 3684
Date submitted: 4/29/2021 8:54 PM
e-mail: jcasin@protecinc.com
Engineer: Submitted by: Casin, Jose

| Application design data | | |
|-------------------------|---------------|----------------------------|
| Tag number: | BP-1 | Water supply: |
| Service: | POTABLE WATER | City Main |
| Location: | INDOOR | Suction (supply) pressure: |
| Quantity: | 1 | 0 ft |
| Power supply: | 208/3/60 | Total flow: |
| | | 65 USgpm |
| | | Boost pressure: |
| | | 65 psi |
| | | System discharge pressure: |
| | | 65 psi |

| System construction data | | |
|---------------------------------|---------|---------------------------|
| System description: | Duplex | Piping material: |
| Header size: | 3 in | Stainless Steel 304 |
| Header connections: | Grooved | Valve type: |
| | | Flo-Trex |
| | | Maximum working pressure: |
| | | 230 psi [15.86 bar] |
| Suction orientation: | Right* | Discharge orientation: |
| *when facing booster controller | | Right* |
| | | Certification: |
| | | NSF61-G / NSF372 |

| Pump data | | |
|------------------|---------------------|----------------------|
| Number of pumps: | 2 | Duty flow per pump: |
| Operation: | 2 Duty | 32.5 USgpm |
| Series: | 4700 | Duty head: |
| Size: | VMS-10-05B | 65 psi |
| Construction: | Stainless Steel 304 | Motor size: |
| Standby Pump: | No | 5 hp |
| | | Motor speed: |
| | | 3600 rpm |
| | | Motor efficiency: |
| | | NEMA Premium 1.2.1.2 |
| | | Motor enclosure: |
| | | TEFC |

| Booster control panel data | | |
|----------------------------|--|--------------------------|
| Enclosure: | NEMA4 Painted Steel | Human Machine Interface: |
| Selected features: | BMS Port (serial communication port for connection to BMS) - BACnet MS/TP Low Suction Level Shutdown (AE) (Level Switch not Supplied) | Touch Screen 4.3" Color |

| IVS variable frequency control data | | |
|-------------------------------------|-------------------------------------|-------------------------------------|
| Quantity: | 2 (integrated with motors) | Harmonic suppression: |
| Enclosure: | UL Type 12 | Integrated DC link reactor |
| EMI/RFI control: | Integrated filter to meet EN61800-3 | Cooling: |
| | | Fan cooled through back channel |
| | | Ambient temperature: |
| | | -10C to +45C (upto 1000m elevation) |

| Drawdown tank data | | |
|--------------------|--------------|----------------|
| Model Number: | Not Required | |
| Size and rating: | Not Required | Mounting: |
| | | Remote Mounted |

www.armstrongfluidtechnology.com

4/29/2021 8:54:45 PM, Ref. #SQJKW001973_1

Page 1 of 4



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phone: (340) 777-2375
e-mail: info@boschulte.com
website: www.boschulte.com

PROGRESS SET

| No. | Description | Date |
|-----|-------------|------|
| | | |
| | | |
| | | |
| | | |

REVISIONS

Project number
Date
Drawn by
Checked by

DETAILS

P303

Scale: AS SHOWN