

ADDENDUM No. 2, to Drawings and Specifications dated Jan 05, 2024, for the Sanibel Fire Station #172 at 5171 Sanibel Captiva Rd, Sanibel, FL 33957 as prepared by Schenkel Shultz, 9510 Corkscrew Palms Circle Unit 1, Estero, FL 33928.

This **ADDENDUM No. 2** shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent herein after specified and set forth in this **ADDENDUM No. 2 Rev 1**

Response to Pre-Submittal RFI's

- 1) Sliding glass windows and doors are to be Level-E rated. The basis of design for both are PGT; however, PGT doesn't manufacture a Level-E rated sliding glass window or door. Please clarify. Drawings; A500 & A501 Specification; 08 8000 – Page 13 – 3.8.D

Response: PGT manufacture does not provide a level E rated system as required for this station. Therefore, level E rated fabric shutters were added to the sliding door and sliding windows as indicated in the architectural drawings and specifications. The specification was revised to remove level E indication for that glazing type. See attached specification 08 80 00 Glazing.

- 2) Regarding the Davis Bacon Act, does the district have an LCP tracker certified payroll?

Response: No, the District does not have an LCP tracker certified payroll. The contractor is responsible for coordinating the payroll as required by the Davis Bacon Act. The contractor is encouraged to use a tool like the LCP tracker certified payroll to meet the Davis Bacon Act requirements if they prefer to do so.

- 3) Will a bid extension be issued or considered?

Response: No. The District feels that they have provided sufficient bidding time.

- 4) When will the demolition activity be completed?

Response: Demo of the existing building and surrounding apron will be completed March 1st.

- 5) What is the anticipated start date?

Response: The anticipated start date is April 2024.

- 6) Please confirm the Owner is paying for permit fees.

Response: The District will be responsible for the permit fees.

- 7) Please confirm on the Bid Form that Field Located Items by Engineer are Unit Prices that should not be included in the Total Bid.

Response: Please refer to the attachments for the revised Bid Schedule. The field located items were removed from the bid schedule as well as the Total plus alternate final bid number. The Bid schedule was also replaced in the Sanibel Fire District website with a Rev 1 designation. A Landscaping Unit count form was added for the bidders use.

- 8) Drawing LP-1 Shows a bench by the Flagpole. Should we include this? If so, please provide more information.

Response: The bench in the exterior memorial garden will be provided by the District and will not be part of Contractors scope.

- 9) Door 004 is called out as Existing on A1/AS503. On the Door Schedule it appears to be new. Please confirm we are to provide a new door, frame, and hardware.

Response: The existing door is to remain and be refinished as indicated in the drawings. The door schedule was revised to clarify this, see sheet A500.

- 10) Will we be allowed to park cars on Bowmans Beach Road during construction?

Response: No, street parking is not allowed on Bowmans Beach. Contractor to park on the side lot of the property. Awarded contractor to provide a staging plan to District for review and approval.

- 11) Please clarify the Site Demolition requirements. Drawing 3 of the Civil and AS011 of the Architectural contradict each other. Example is Drawing 3 calls for the paving areas to be removed, Drawing AS011 states it is Part of Separate Permit. - Architecture (see Attachments)

Response: The existing station, existing conc. sidewalks, existing concrete aprons, and existing pavers are all being demolished as part of a separate permit that will be completed March 1, 2024.

- 12) Please confirm Ceiling Types and Locations. Drawings A141 & A142 on the Ceiling Legend & Notes do not appear to match the Ceiling Code Schedule shown on drawing A160.

Response: Please refer to corrected sheets clarifying the code legend, see sheets A141, A142, and AS503.

- 13) On Drawing IR-1 under the Irrigation Schedule it calls out under Symbol POC for a 5" Deep well. On Drawing AS012 there appears to be an existing well in the same location. Should we install a new well or utilize the existing one?

Response: There will be no well and no pump. The water source is municipal from the meter at the northeast corner of the site. See revised landscape drawings.

- 14) In the Mechanical Chase on drawing A102 it calls out wall type C3. On drawing G031, Partition Type C it does not have a 3 indicated. Please confirm the stud size should be 3 5/8"?

Response: Partition type C is part of UL Detail U415 which requires a 4" metal stud. Wall tags were updated to call for a C4, refer to Sheet A102.

- 15) What is the Owners Low Voltage Contractor's scope of work?

Response: The District is responsible for the low voltage and the scope includes the security system, RFID door fobs, cameras systems, fire department communications, and IT. The contractor is responsible for coordinating with Districts low voltage subcontractors during construction.

The contractor is to install and run all Cat 5 for Alert and IT. The Security/ Access contractor will pull/run their own wire.

- 16) On Drawing A160 on the Miscellaneous Code Schedule items Misc-1 & Misc-8 are called out as TBD-Local Artist. Has a Local Artist been selected?

Response: No, a local artist has not been selected. The District will be responsible for these two art installations. A note was added on Sheet A160. The contractor is responsible for coordinating with the artist on the final installation.

- 17) Keynote 8 on S100 calls for the 2 story Exterior Stairs to be Pre-Engineered Aluminum, the architectural drawings call for them to be Metal Pan Stairs. Please confirm the Stair type.?

Response: Exterior stair to be Pre-engineered Aluminum with an extruded aluminum textured floor tread. Refer to spec section 05 51 16 Aluminum Stairs. See revised Architectural sheets.

18) Is there a Spec Section for the Solar Panel on the Storage Building.

Response: No, a spec is not provided. The pre-engineering photovoltaic panel arrays are to be contracted by the District. The electrical connections have been provided, refer to Electrical drawings. Contractor to coordinate with Districts subcontractor.

19) Please confirm that in-place mockups are acceptable.

Response: In-place mockups will be acceptable. The awarded Contractor is to provide a list of mockups as part of the submittal schedule and indicate which will be in-place mockups.

20) Drawing G031 detail G1 calls for Acoustical Penetrations at Sound Isolation Ceiling. What Ceilings Areas should this system be used?

Response: Standard detail G1 detail was removed from Sheet G031 for clarification. There are no sound isolation ceilings in this project.

21) Room 205 has both IR & AP designations. Please confirm what one we should use.

Response: Room 205 Fitness room should be both IR (abusive resistant drywall) and AP (acoustical partitions), these are two different designations as indicated in the drawings. Refer to Sheet G031 Partition Type and Notes for more information.

CHANGES TO SPECIFICATIONS

| | |
|----------------------------|-------------------------------------------------------------|
| <u>ITEM NO. 1.:</u> | <u>SPECIFICATION – SECTION NUMBER – SECTION NAME</u> |
| A. | 00 00 00b Table of Contents - Rev 01 |
| B. | 08 80 00 Glazing – Rev 01 |

CHANGES TO DRAWINGS

All changes clouded in drawings under current revisions:

Revision #1 Permit Comment Responses **02.14.2024**
 - Architecture (see attachments)
 - Landscape (see attachments)
 - Structure (see attachments)
 - Electrical (see attachments)

Revision #2 Addendum #2 **02.16.2024**
 - Architecture (see attachments)

End Addendum No.02

ATTACHMENTS:

FORMS

| | |
|---|----------------------------------------------------------------------------------------------------------|
| 1 | Sanibel Fire Station 172_ Bid Schedule Rev 1 |
| 2 | Mandatory Pre-Bid Meeting Sign-In Sheet_02.09.2024 |
| 3 | Permit Comments Response Letter (Narrative for Bidders reference) |
| 4 | Landscape Revision Narrative – Response to Amended Sanibel LDC Amended, 15% reduction of buffer planting |

SPECIFICATIONS

| | |
|-----------|--------------------------|
| 00 00 00B | Table of Contents Rev 01 |
| 08 80 00 | Glazing Rev 01 |

DRAWINGS – Sheets with Revisions

| | | |
|----------------------|-------------------------------------------------------------------------------|--|
| ARCHITECTURE | <i>BIDDER RFI AND PERMIT COMMENT RESPONSES</i> | |
| G000 | COVER SHEET | |
| G010 | CODE SUMMARY & CALCULATIONS | |
| G011 | FLORIDA PRODUCT APPROVALS | |
| G031 | PARTITION TYPES & NOTES | |
| AS503 | SITE DETAILS – EXISTING STORAGE BUILDING | |
| A030 | SLAB PLAN – APPARATUS BAY | |
| A100 | ARCHITECTURAL PLAN – APPARATUS BAY | |
| A101 | ARCHITECTURAL PLAN – FIRST FLOOR | |
| A102 | ARCHITECTURAL PLAN – SECOND FLOOR | |
| A120 | DIMENSION PLAN – APPARATUS BAY | |
| A141 | REFLECTED CEILING PLAN – APPARATUS BAY & FIRST FLOOR | |
| A142 | REFLECTED CEILING PLAN – SECOND FLOOR | |
| A160 | INTERIOR FINISH SCHEDULE, LEGENDS, AND DETAILS | |
| A161 | FINISH PLAN – FIRST FLOOR | |
| A162 | FINISH PLAN – SECOND FLOOR | |
| A201 | EXTERIOR ELEVATIONS | |
| A202 | EXTERIOR ELEVATIONS | |
| A482 | ENLARGED STAIR PLANS – EXTERIOR | |
| A485 | ENLARGED STAIR SECTIONS | |
| A500 | DOOR SCHEDULE, DOOR AND FRAME TYPES | |
| A583 | DETAILS – EXTERIOR STAIR | |
| LANDSCAPE | <i>PERMIT COMMENTS RESPONSE – REDUCE BUFFER MATERIAL</i> | |
| C | COVER SHEET | |
| LP-1 | CODE REQUIRED PLAN | |
| LP-2 | PROPOSED PLANTING PLAN RENDERED | |
| LP-2A | PROPOSED PLANTING PLAN | |
| LP-3 | CODE REQUIRED BUFFERS | |
| LP-4 | PLANT SCHEDULE | |
| IR-1 | PORPOSED IRRIGATION PLAN | |
| IR-2 | IRRIGATION DETAILS & NOTES | |
| STRUCTURE | <i>PERMIT COMMENT RESPONSE</i> | |
| S003 | WIND PRESSURES | |
| S121 | SECOND FLOOR AND LOW ROOF FRAMING PLAN | |
| S131 | MAIN ROOF AND TOWER ROOF FRAMING PLANS | |
| S307 | ROOF SECTIONS & DETAILS | |
| SITE LIGHTING | <i>PERMIT COMMENT REVISIONS- NO CHANGES TO LIGHTING JUST PART OF RESPONSE</i> | |
| E010 | SITE PLAN - ELECTRICAL | |
| E011 | SITE PLAN - PHOTOMETRICS | |
| E012 | FIXTURES - PHOTOMETRICS | |
| E013 | SITE PLAN – BUILDING ATTACHED LIGHTING | |
| E014 | FIXTURES – BUILDING ATTACHED LIGHTING | |
| ELECTRICAL | <i>PERMIT COMMENT RESPONSE</i> | |
| E601 | RISER ELECTRICAL | |

SITE WORK - TOTAL

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5.0 CONTRATOR

General Conditions
Insurance & Bonds

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| TOTAL |
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CONTRACTOR - TOTAL

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TOTAL LUMP SUM BASE BID

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BID ALTERNATES

Training Roof Alternate

| UNIT | TOTAL |
|------|-------|
| LS | |

TOTAL ALTERNATES

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| Vendor Signature: | |
| Print Name: | |
| Date: | |

PROJECT NAME: Sanibel Fire Station #172
 SSA COMM. NO. 2023820
 MEETING DATE: February 9, 2024
 LOCATION: Sanibel Fire Station #171 Conf. RM
 PURPOSE: Mandatory Prebid Meeting



MEETING ATTENDANCE LOG

| Name | Organization | e-mail address |
|------------------------------------------|-----------------------|-----------------------------------|
| <input type="checkbox"/> Brandon Dean | Wright Construction | brandon.dean@wcfi.com |
| <input type="checkbox"/> Will Costello | Costello Construction | will@costelloconstructioninc.com |
| <input type="checkbox"/> Dustin HEATA | WRIGHT Construction | DUSTINHEATA@wcfi.com |
| <input type="checkbox"/> CRAIG BRYANT | MANHATTAN | CBryant@manhattanconstruction.com |
| <input type="checkbox"/> Shannon Lane | Manhattan Const | SLane@ " " |
| <input type="checkbox"/> Matthew Zwack | O-A-K | mzwack@oakfl.com |
| <input type="checkbox"/> Kaitlin Schafel | O-A-K | kschafel@oakfl.com |
| <input type="checkbox"/> Abel Natali | O-A-K | Anatali@oakfl.com |
| <input type="checkbox"/> Taylor Smutzky | O-A-K | tsmutzky@oakfl.com |
| <input type="checkbox"/> Mike Isabella | Stevens Construction | Mikei@stevensbuilds.com |
| <input type="checkbox"/> Dirk DANLEY | PMI | DDANLEY@PMIOFFL.COM |
| <input type="checkbox"/> Alair Long | Fusion Industries | along@fusionindustriesllc.com |
| <input type="checkbox"/> WARD HARRIS | FUSION INDUSTRIES | WHARRIS@FUSIONINDUSTRIESLLC.COM |
| <input type="checkbox"/> Daniel Usi Hor | Target Roofing | Danny@targetroofers.com |
| <input type="checkbox"/> Chad COOK | UES | CCOOK@TEAMUES.COM |
| <input type="checkbox"/> | | |



PROJECT NAME: Sanibel Fire Station #172
 SSA COMM. NO. 2023820
 MEETING DATE: February 9, 2024
 LOCATION: Sanibel Fire Station #171 Conf. RM
 PURPOSE: Mandatory Prebid Meeting



MEETING ATTENDANCE LOG

| | Name | Organization | e-mail address |
|--------------------------|------------|---------------|--------------------------|
| <input type="checkbox"/> | JEN SEIENS | WHARTON SMITH | JSEIENS@WHARTONSMITH.COM |
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February 14, 2024

City of Sanibel
Building Division
City Hall: 800 Dunlop Rd, Sanibel, FL 33957

Job Name: Sanibel Fire Station #172
Owner: Sanibel Fire District
Address: 5171 Sanibel Captiva Rd, Sanibel, FL 33957
Project No: 2023820
Permit No: BLDC-2024-015187

Subject: Permit Comment Responses – Resubmittal #1

Planning Review: (Reviewed by Craig Chandler)

1. Please submit site lighting plans as a separate ACC application. The Outdoor Lighting Plan document should show outdoor lighting affixed to the building as compliant with dark sky standards in Sec. 126-997.

[Response: An outdoor lighting plan for outdoor lighting affixed to the building has been provided. See attached Site lighting package.](#)

Flood Review: (Reviewed by Christa Carrera)

1. Please remove all references to NGVD the correct datum is NAVD. Please make this change to all elevation references on all pages. (See Site Plan and any other pages that may apply)

[Response: Any reference to NGVD has been corrected to reflect NAVD. See Revision on Sheet AS012 of the Architecture Site Plan.](#)

2. There is a shower/eye wash station below the required flood elevation; the shower must either be removed, drained to the outside and not directly into the plumbing system or elevated to the required flood elevation.

[Response: The shower/eye wash is an emergency fixture and its location at the apparatus level is critical for access in an event of an emergency. The shower and eye wash station will discharge water onto the floor, which will then drain into the trench drain system located within the apparatus bay. To prevent any water from escaping the drain during a flooding situation there is a backwater valve \(BWV\) downstream of each trench drain. See plumbing drawing P100 for exact locations of BWV-2. Refer to Sheet P601 for spec of BWV_2.](#)



3. Please provide the flood vent calculations on the floor plan or provide information where the flood vent calculations and type can be found.

Response: The flood vent calculations were added to Sheet G010 Code summary and calculations, Sheet G011 Florida Product Approval, and floor plans sheets AS503, A030, and A120.

Building Review: (Reviewed by Edward Winogrodzki)

1. The apparatus-bay is approximately 6-feet below other portions of the building. An accessible route per 8th Ed. FBC-Accessibility (FBC-A) 402.2 must connect changes in level per FBC-A 201.1.1. A ramp, elevator or lift is required.

Response: Power has been provided for a portable lift in the apparatus bay above the base floor elevation. A dotted line has been added to Sheet A100 and A101 floor plans showing location of the portable lift. A removable rail was added in front of the lift location and a railing details was added to sheet A583. Refer to Electrical sheet E201 shows the power for the portable lift.

2. Please provide the complete product evaluation and installation instruction documents (FL PA's or NOA's) for all component and cladding materials per 8th Ed. FBC-Building (FBCB) 1405.13.1, 1609.1, and 61G20-3 F.A.C., to include but not necessarily be limited to:

- Storefront window/walls,
- Side-hinged doors,
- Overhead doors,
- Folding doors,
- Impact-resistant shutters/screens.

Product evaluations shall include Missile Level-E conformance, where applicable.

Verify all selected products satisfy the engineer's design pressure requirements for components and cladding (S003).

Note that door openings to the patio-221 need not be resistant to water infiltration per FBCB 1709.5.1.

Note that complete NOA's have been provided for the PGT HR7710A HR window, the PGT 770 sliding glass door, and the Green Check EHH-601D louver.

Response: FL PA's and/or NOA's were provided on Sheet G011 and included in the permit submission along with Product data submittal sheet. We have verified that all products satisfy the design pressure requirements.

3. Please clarify the specific metal roofing panel proposed per FBCB 107.2. The product information furnished (FL35396_PAC-CLAD TITE-LOC PLUS ROOF - STANDING SEAM_v1) has multiple products/profiles/materials with a wide range of design pressure limitations. Please provide complete product evaluation and installation instruction documents (FL PA or NOA) to determine compliance with the engineer's wind design requirements per FBCB 1506.1 and 61G20-3 F.A.C.

Please provide complete product evaluation and installation instruction documents (FL PA or NOA) for the flat-roof covering materials and high-light or otherwise indicate the specific system proposed for installation to determine compliance with the engineer's wind design requirements per FBCB 1506.1 and 61G20-3 F.A.C.



Response: We have clarified the assembly for the metal roof and flat roof. See updated Sheet G011 with revised product approval and system that has been selected.

4. Show attic access location(s) per FBCB 1209.2.

Response: Required attic access on the second floor is achieved through the 24"x24" ACT grid ceiling. No obstructions occur above the ceiling. It is an open attic therefore you have access above any hard ceiling. Notes were added to Sheet A142 to clarify access to attic at hard ceilings.

5. Structural plan wind design parameters on sheet-(S001) lists Exposure Category-(C) which is in conflict with the wind design parameters for Component and Cladding Wind Pressures on sheet-(S003) listing Exposure-(D), and the architectural plan wind design parameters on sheet-(G010) which also lists Exposure-(D); please clarify/correct per FBCB 107.2.

Response: The Structural drawings and the Architecture drawings have been correct to reflect Wind Exposure C.

6. Please verify/confirm that 6/6/6-roof sheathing attachment (key note-20, S121, S131) is also applicable to overhang areas per FBCB 107.2.
Clarify/provide wind exposed wood soffit sheathing attachment.

Response: The architecture drawings indicate 3/4" plywood at underside typical at overhangs. The Structural drawings have added the 3/4" plywood and nailing details to their drawings, see structural drawings.

7. Please provide pre-engineered wood truss plans digitally signed by the truss design engineer and accepted by the engineer of record under separate cover per FBCB 2303.4.1.4 and 61G15-30 F.A.C. Where truss plans are to be deferred, kindly indicate so. Note that truss plans will be required as a revision prior to the tie-beam inspection.

Response: The truss design will be a deferred submittal. A note was added to Sheet SXXX. Pre-engineered wood truss plans will be provided after a contractor is awarded and a truss engineer is selected to do the work.

8. Note that the engineer shall inspect all structural steel components and installation per FBCB 105.14 and provide the building official a letter of acceptance and conformance to the approved plans to including but not necessarily limited to:
- Bolted connections,
 - Field welded connections/splicing,
 - Field welded composite shear connectors,
 - Steel roof deck welding.

Response: A 3rd party inspector will provide this service and letter to the building official.

**Mechanical Review: (Reviewed by Chris Rosinski)**

1. Provide return air for sleeping rooms and show diagram of duct smoke detectors to be used.

Response: Mechanical Review is shown as approved. Return air is shown for all sleeping rooms on drawing M102. The location of the duct smoke detector required for the HVAC system is shown in detail 1 on drawing M501.

Electrical Review: (Reviewed by Duane Nusz)

1. Please clarify Sheet E601. Riser Diagram shows MDP with 800 Amp MCB, Panel Schedule MDP shows MLO. Please include a note generator and PV System shall be permitted separately.

Response: Riser diagram is correct. Updated panel schedule for MDP. Added general notes to riser sheet E601 indicating generator and PV system shall be permitted separately.

General Notes

- All drawing changes related to these permit comment responses have been clouded and tagged as Revision #1 Permit Comment Responses, dated 02.14.24
- Approved Plan Reviews: Public Works, Plumbing, Mechanical and Fire.
- Pending Natural Resources review, need to stake building after full demo of existing building.

Sincerely,

A handwritten signature in cursive script that reads "Nathalie White".

Nathalie White, AIA
Associate Principal

Cc: Gary Kruger, AIA and Fire Chief Kevin Barbot

Date: February 16, 2024

To: Nathalie White, AIA
Schenkel Schultz

To: City of Sanibel Planning Commission
& City of Sanibel Staff

RE: Sanibel Fire & Rescue Station #172
5171 Sanibel-Captiva Road
Sanibel Island, FL 33957

Sanibel Fire - Landscape Plan Revision

Per Sanibel LDC

The landscape plan revisions 04 – Sanibel Buffer LDC Update / 02/16/2024 respond to the recently amended Sanibel LDC Buffer codes which allow for a 15% reduction of plants from each buffer that is 100% native plant species. As all buffers are 100% native species, 15 % of trees, small trees and shrubs were omitted from each of the four buffers on site. The amount of groundcovers remains the same for site stabilization purposes with the added principle that less groundcovers = greater weed pressure until the groundcovers fill in.

The irrigation plan has been revised to respond to the reduced tree and small tree quantities, reducing the quantity of bubblers on site. The irrigation has been revised to reflect the municipal water connection at the northeast corner of the site. There will not be a well or pump for irrigation on site. This has been omitted.

The landscape bid form has been updated to reflect the landscape plant quantity changes on site.

Plan changes as listed by sheet.

LP-1

- Updated buffer vegetation notes to represent the revised Sanibel LDC language.
- Revision of buffer calculations (trees and shrub/small tree) by 15% reduction per new Sanibel LDC.
 - Sanibel Captiva Road Buffer
 - Reduction of 11 trees on the large/medium tree category
 - Reduction of 27 small tree/shrub category (20 small shrubs, 7 small trees)
 - Small redistribution of groundcovers to better response to swale shape.
 - Reduction of golden creeper by 35 plants
 - Increase of Muhly grass quantity by 20 plants

- Bowman's Beach Road Buffer
 - Reduction of 18 trees on the large/medium tree category
 - Reduction of 24 small tree/shrub category (18 small shrubs, 6 small trees)
- South Buffer
 - Reduction of 3 trees on the large/medium tree category
 - Reduction of 7 small tree/shrub category (5 small shrubs, 2 small trees)
- East buffer
 - Reduction of 5 trees on the large/medium tree category
 - Reduction of 13 small tree/shrub category (9 small shrubs, 4 small trees)

LP-2 & LP2-A (rendered plan)

- Plan revision to represent buffer reduction of trees and shrubs.
- Small redistribution of groundcovers to better response to swale shape.
 - Increase of spider Lily planting bed by 69 plants
 - Reduction of Elliot's love grass by 102 plants

LP-3

- Update the buffer density calculations boxes to represent the new Sanibel LDC calculations and reductions.
- Added LDC language from Sec. 122-73 Types, Varieties, and numbers of plants required

LP-4

- Plant schedules updated.

IR-1

- Updated irrigation design per new revised plan.
- Updated irrigation source water to municipal /city water source and addition of backflow preventor /meter addition.

IR-2

- Updated general irrigation notes.
- Updated critical analysis calculations to represent new water source and water meter.

Sincerely,



Leigh A. Gevelinger, PLA, ASLA, LEED AP
Owner, Coastal Vista Design, Inc.

Florida Registered Landscape Architect #6667171
Sanibel Vegetation Certification #15214
Sanibel Mangrove Certification #0504



VOLUME-1

COVER SHEET
TITLE PAGE
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00 05 00 ASBESTOS STATEMENT
00 31 32 SUBSURFACE INVESTIGATION
GEOTECHNICAL ENGINEERING SERVICES REPORT

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01 23 00 ALTERNATES
01 25 00 SUBSTITUTION PROCEDURES
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01 74 19 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL
01 77 00 CLOSEOUT PROCEDURES
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03 20 00 CONCRETE REINFORCING
03 29 00 JOINTS IN CONCRETE
03 30 00 CAST-IN-PLACE CONCRETE
03 54 00 CEMENTITIOUS WOOD-LOOK OVERLAY FLOORING - EPX-1
03 60 00 CONCRETE FINISHES

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04 20 00 UNIT MASONRY
04 40 14 MARBLE WINDOW SILLS

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| 05 31 00 | STEEL DECKING |
| 05 40 00 | COLD FORMED METAL-FRAMING |
| 05 50 00 | METAL FABRICATIONS |
| 05 51 13 | METAL PAN STAIRS |
| 05 51 16 | ALUMINUM STAIRS |
| 05 52 13 | PIPE AND TUBE RAILINGS |
| 05 73 16 | WIRE ROPE DECORATIVE METAL RAILINGS |
| 05 75 10 | DECORATIVE FORMED METAL |

DIVISION 06 - WOOD AND PLASTICS

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|----------|-----------------------------------------------|
| 06 10 00 | ROUGH CARPENTRY |
| 06 10 53 | MISCELLANEOUS ROUGH CARPENTRY |
| 06 16 00 | SHEATHING |
| 06 17 53 | SHOP FABRICATED WOOD TRUSSES |
| 06 20 13 | EXTERIOR FINISH CARPENTRY |
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| 07 21 00 | BUILDING INSULATION |
| 07 21 19 | FOAMED-IN-PLACE INSULATION FILL MASONRY |
| 07 21 20 | FOAMED-IN-PLACE INSULATION |
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| 07 84 13 | PENETRATION FIRESTOPPING |
| 07 92 00 | JOINT SEALANTS |

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| | |
|----------|-------------------------------------------|
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PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Glass.

1.3 DEFINITIONS

- A. Glass Manufacturers: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.
- B. Glass Thicknesses: Indicated by thickness designations in millimeters according to ASTM C 1036.
- C. FBC: Florida Building Code.
- D. Interspace: Space between lites of an insulating-glass unit.

1.4 CODE COMPLIANCE

- A. Exterior openings shall meet the requirements of the Florida Building Code.
 - 1. Provide product evaluations and installation requirements indicating compliance with Code requirements.

1.5 COORDINATION

- A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances to achieve proper safety margins for glazing retention under each design load case, load case combination, and service condition.

1.6 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Review temporary protection requirements for glazing during and after installation.

1.7 ACTION SUBMITTALS

- A. Product Approval: Submit current Product Approval documentation in accordance with the Florida Building Code.
- B. Product Data: For each type of product.
- C. Glass Samples: For each type of glass product other than clear monolithic vision glass; 12 inches square.
 1. Insulating glass.
- D. Glazing Accessory Samples: For sealants, in 12-inch lengths. Install sealant Samples between two strips of material representative in color of the adjoining framing system.
- E. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.
- F. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.8 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Certificates: For glass.
- C. Product Test Reports: For tinted glass, coated glass, insulating glass and glazing sealants, for tests performed by a qualified testing agency.
 1. For glazing sealants, provide test reports based on testing current sealant formulations within previous 36-month period.
- D. Preconstruction adhesion and compatibility test report.
- E. Sample Warranties: For special warranties.

1.9 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For glazing to include in maintenance manuals.

1.10 QUALITY ASSURANCE

- A. Fabricated-Glass Manufacturer Qualifications: A qualified manufacturer of fabricated glass units who is approved and certified by primary glass manufacturer.

- B. Installer Qualifications: A qualified glazing contractor for this Project who is certified under the North American Contractor Certification Program (NACC) for Architectural Glass & Metal (AG&M) contractors and who employs glazing technicians certified under the Architectural Glass and Metal Technician (AGMT) certification program.
- C. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.
- D. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 to conduct the testing indicated.

1.11 PRECONSTRUCTION TESTING

- A. Preconstruction Adhesion and Compatibility Testing: Test each glass product, sealant, gasket, glazing accessory, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.
 - 1. Testing is not required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
 - 2. Determine whether priming and other specific joint-preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to glass, sealants, gaskets, and glazing channel substrates.
 - 3. Test Samples of each type of material, including joint substrates, shims, sealant backings, secondary seals, and miscellaneous materials.
 - 4. Schedule enough time for testing and analyzing results to prevent delaying the Work.
 - 5. For materials failing tests, submit sealant manufacturer's written instructions for corrective measures including the use of specially formulated primers.

1.12 DELIVERY, STORAGE, AND HANDLING

- A. Protect glazing materials according to manufacturer's written instructions and as needed to prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.
- B. Comply with insulating-glass manufacturer's written instructions for venting and sealing units to avoid hermetic seal ruptures due to altitude change.

1.13 FIELD CONDITIONS

- A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.
 - 1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer or are below 40 deg F.

1.14 WARRANTY

- A. Manufacturer's Special Warranty for Insulating Glass: Manufacturer agrees to replace insulating-glass units that deteriorate within specified warranty period. Deterioration of insulating glass is defined as failure of hermetic seal under normal use that is not attributed to glass breakage or to maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.

1. Warranty Period: 10 years from date of Substantial Completion.

- B. Manufacturer's Special Warranty for Laminated Glass: Manufacturer agrees to replace laminated-glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.

1. Warranty Period: 10 years from date of Final Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations for Glass: Obtain tinted and coated glass from single source from single manufacturer.
- B. Source Limitations for Glazing Accessories: For each product and installation method, obtain from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
- B. Delegated Design: Engage a qualified professional engineer, to design glazing.
- C. Structural Performance: Glazing shall withstand the following design loads within limits and under conditions indicated determined according to the IBC and ASTM E 1300.
1. Design Wind Pressures: As indicated on Drawings.
2. Design Wind Pressures: Determine design wind pressures applicable to Project according to ASCE/SEI 7, based on heights above grade indicated on Drawings.
- D. Windborne-Debris-Impact Resistance: Exterior glazing shall pass ASTM E1886 missile-impact and cyclic-pressure tests in accordance with ASTM E1996 for Wind Zone Level E (Essential Facility).

1. Large-Missile Test: For glazing located within 30 feet of grade.
- E. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1201, Category II.
- F. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:
 1. For monolithic-glass lites, properties are based on units with lites 6 mm thick.
 2. For laminated-glass lites, properties are based on products of construction indicated.
 3. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite.
 4. U-Factors: Center-of-glazing values, according to NFRC 100 and based on LBL's WINDOW 5.2 computer program, expressed as Btu/sq. ft. x h x deg F.
 5. Solar Heat-Gain Coefficient and Visible Transmittance: Center-of-glazing values, according to NFRC 200 and based on LBL's WINDOW 5.2 computer program.
 6. Visible Reflectance: Center-of-glazing values, according to NFRC 300.

2.3 GLASS PRODUCTS, GENERAL

- A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below unless more stringent requirements are indicated. See these publications for glazing terms not otherwise defined in this Section or in referenced standards.
 1. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."
- B. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
- C. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the IGCC.
- D. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass that complies with performance requirements and is not less than thickness indicated.
 1. Minimum Glass Thickness for Exterior Lites: 6 mm.
 2. Thickness of Tinted Glass: Provide same thickness for each tint color indicated throughout Project.
- E. Strength: Where annealed float glass is indicated, provide annealed float glass, heat-strengthened float glass, or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where fully tempered float glass is indicated, provide fully tempered float glass.

2.4 GLASS PRODUCTS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:
1. AGC Glass Company North America, Inc.
 2. Cardinal Glass Industries.
 3. Guardian Glass; SunGuard.
 4. Oldcastle Building Envelope.
 5. Pilkington North America.
 6. Viracon, Inc.
 7. Vitro.
- B. Fully Tempered Float Glass: ASTM C 1048, Kind FT (fully tempered), Condition A (uncoated) unless otherwise indicated, Type I, Class 1 (clear) or Class 2 (tinted) as indicated, Quality-Q3.
1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
- C. Heat-Strengthened Float Glass: ASTM C1048, Kind HS (heat strengthened), Type I, Condition A (uncoated) unless otherwise indicated, Type I, Class 1 (clear) or Class 2 (tinted) as indicated, Quality-Q3.
1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.

2.5 INSULATING GLASS

- A. Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190.
1. Sealing System: Dual seal, with manufacturer's standard primary and secondary sealants.
 2. Perimeter Spacer: Manufacturer's standard spacer material and construction.
 3. Desiccant: Molecular sieve or silica gel, or a blend of both.

2.6 LAMINATED GLASS

- A. Laminated Glass: ASTM C 1172. Use materials that have a proven record of no tendency to bubble, discolor, or lose physical and mechanical properties after fabrication and installation.
1. Construction: Laminate glass with polyvinyl butyral interlayer to comply with interlayer manufacturer's written instructions.
 2. Interlayer Thickness: Provide thickness not less than that indicated and as needed to comply with requirements.
 3. Interlayer Color: Clear unless otherwise indicated.
- B. Windborne-Debris-Impact-Resistant Laminated Glass: Comply with requirements specified above for laminated glass except laminate glass with the following to comply with interlayer manufacturer's written instructions:
1. Polyvinyl butyral interlayer.

2.7 FIRE RATED GLAZING

- A. Fire Safe Glazing (Fire Rated Glass): Clear fire rated glazing.
 - 1. Manufacturers
 - a. Glaverbel S.A., distributed by InterEdge Technologies
 - b. Oldcastle Glass
 - c. SAFTI *FIRST*
 - d. SCHOTT North America, Inc.
 - e. Nippon Electric Glass Co., Ltd.,
 - f. Vetrotech Saint-Gobain North America Inc.
 - 2. Thickness: As required for fire-ratings indicated.
 - 3. Fire-Protection Rating: As required for the assembly in which glazing material is installed.
 - a. Glazing for Fire-Rated Door and Window Assemblies: Glazing for assemblies that comply with NFPA 80 and that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire-protection ratings indicated, based on testing according to NFPA.
- B. Impact Safety Rating: As required for the assembly in which glazing material is installed.
 - 1. Glazing products that comply with Category I or II materials, except for hazardous locations where Category II materials are required by 16 CFR 1201 and regulations of authorities having jurisdiction.
- C. Glazing Sealants for Fire-Resistive Glazing Products: Identical to products used in test assemblies to obtain fire-protection rating.
- D. Perimeter Insulation for Fire-Resistive Glazing: Identical to product used in test assembly to obtain fire-resistance rating.

2.8 GLAZING SEALANTS

- A. General:
 - 1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
 - 2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
 - 3. Colors of Exposed Glazing Sealants: Match Architect's samples.
- B. Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Use NT Class as required to meet performance requirements and adhesion testing.

2.9 GLAZING TAPES

- A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C 1281 and AAMA 800 for products indicated below:
 - 1. AAMA 804.3 tape, where indicated.
 - 2. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
 - 3. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.
- B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:
 - 1. AAMA 810.1, Type 1, for glazing applications in which tape acts as the primary sealant.
 - 2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.10 MISCELLANEOUS GLAZING MATERIALS

- A. General: Provide products of material, size, and shape complying with referenced glazing standard, with requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- C. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.
- D. Spacers: Elastomeric blocks or continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
- E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).
- F. Cylindrical Glazing Sealant Backing: ASTM C 1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.11 FABRICATION OF GLAZING UNITS

- A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.
 - 1. Allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components.
 - a. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

- B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.
- C. Grind smooth and polish exposed glass edges and corners.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine framing glazing, with Installer present, for compliance with the following:
 - 1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
 - 2. Presence and functioning of weep system.
 - 3. Minimum required face or edge clearances.
 - 4. Effective sealing between joints of glass-framing members.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.
- B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that leave visible marks in the completed Work.

3.3 GLAZING, GENERAL

- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
- B. Glazing channel dimensions, as indicated on Drawings, provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances. Adjust as required by Project conditions during installation.
- C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
- D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction sealant-substrate testing.
- E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
- F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.

- G. Provide spacers for glass lites where the length plus width is larger than 50 inches as follows:
 - 1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
 - 2. Provide 1/8-inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- H. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.
- I. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
- J. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
- K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

3.4 TAPE GLAZING

- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.
- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
- C. Cover vertical framing joints by applying tapes to heads and sills first, then to jambs. Cover horizontal framing joints by applying tapes to jambs, then to heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Do not remove release paper from tape until right before each glazing unit is installed.
- F. Apply heel bead of elastomeric sealant.
- G. Center glass lites in openings on setting blocks, and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.5 GASKET GLAZING (DRY)

- A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.

- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Installation with Drive-in Wedge Gaskets: Center glass lites in openings on setting blocks, and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks, and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended by gasket manufacturer.
- E. Install gaskets so they protrude past face of glazing stops.

3.6 SEALANT GLAZING (WET)

- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
- B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
- C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.7 CLEANING AND PROTECTION

- A. Immediately after installation remove nonpermanent labels and clean surfaces.
- B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.
 - 1. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended in writing by glass manufacturer. Remove and replace glass that cannot be cleaned without damage to coatings.
- C. Remove and replace glass that is damaged during construction period.
- D. Wash glass on both exposed surfaces not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

3.8 GLAZING SCHEDULE

- A. GL-1A – Storefronts and Apparatus Bay Doors: Tinted, Level-E, 1-5/16" Overall thickness insulating, laminated, Low-E Coated glass.
1. Basis of Design Fabricator: Viracon.
 2. Exterior Glass Ply: 1/4" heat treated (Temper where required by Code).
 - a. Coating: VRE7-65 with Azuria Tint #2 surface.
 3. Space: 1/2" aluminum air filled, black finish.
 4. Silicone: Black.
 5. Interior Glass Ply 1: 1/4" clear, heat treated.
 6. Interlayer: 0.180" Sentryglas by Kuraray.
 7. Interior Glass Ply 2: 1/4" clear, heat treated.
 - a. Winter U-Value 0.25.
 - b. Summer U-Value 0.21.
 - c. Solar Heat Gain Coefficient 0.23.
- B. GL-1B - Storefronts: Clear, Level-E, 1-5/16", Overall thickness insulating, laminated, Low-E coated glass.
1. Basis of Design Fabricator: Viracon.
 2. Exterior Glass Ply: 1/4" heat treated (Temper where required by Code).
 - a. Coating: VNE1-63 on #2 surface.
 3. Space: 1/2" VTS argon filled, black finish.
 4. Silicone: Black.
 5. Interior Glass Ply 1: 1/4" clear, heat treated.
 6. Interlayer: 0.180" Sentryglas by Kuraray.
 7. Interior Glass Ply 2: 1/4" clear, heat treated.
 - a. Winter U-Value 0.24.
 - b. Summer U-Value 0.20.
 - c. Solar Heat Gain Coefficient 0.28.

- C. GL-2 - Storefront Entrances: Tinted, Level-E, 1" Overall thickness insulating. laminated, Low-E Coated glass.
 - 1. Basis of Design Fabricator: Viracon.
 - 2. Exterior Glass Ply: 1/4" heat treated (Temper where required by Code).
 - a. Coating: VRE7-65 on #2 surface.
 - 3. Space: 5/16" VTS argon filled, black finish.
 - 4. Silicone: Black.
 - 5. Interior Glass Ply 1: 3/16" clear, heat treated.
 - 6. Interlayer: 0.180" Sentryglas by Kuraray.
 - 7. Interior Glass Ply 2: 3/16" clear, heat treated.
 - a. Winter U-Value 0.28.
 - b. Summer U-Value 0.29.
 - c. Solar Heat Gain Coefficient 0.25.

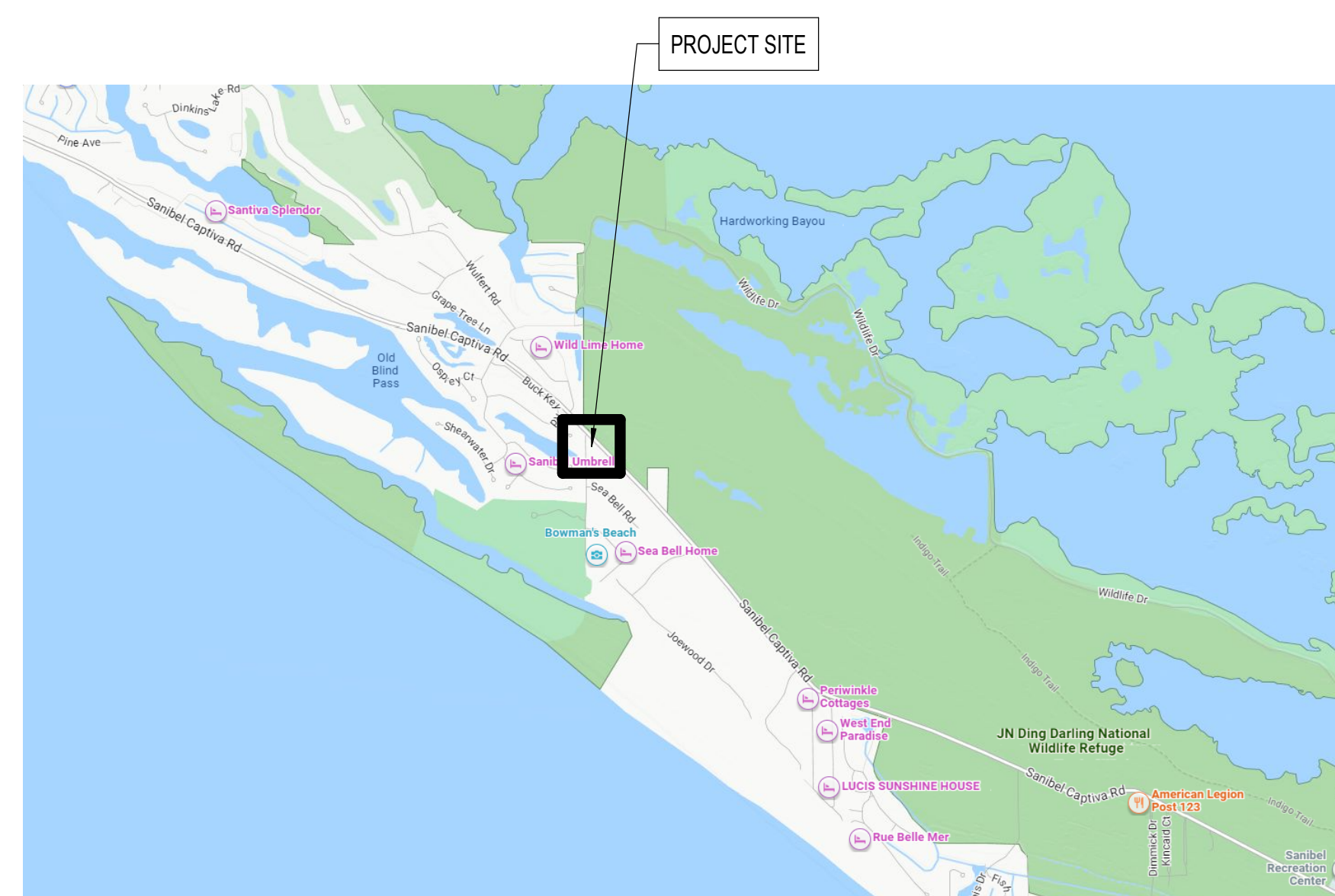
- D. GL-3 - Sliding Windows and Sliding Glass Door: Tinted, Level-ED, 13/16" Overall thickness, insulating, laminated, Low-E coated glass.
 - 1. Basis of Design manufacturer: PGT.
 - 2. Exterior Glass Ply: 3/16" Clear heat treated (Temper where required by Code).
 - 3. Coating: Azure Blue tint on #2 surface.
 - 4. Space: Aluminum air filled, black finish.
 - 5. Silicone: Black.
 - 6. Interior Glass Ply 1: 1/8" Clear heat treated.
 - 7. Interlayer: 0.090" PVB Interlayer.
 - 8. Interior Glass Ply 2: 1/8" Clear heat treated.
 - a. Winter U-Value 0.28.
 - b. Summer U-Value 0.25.
 - c. Solar Heat Gain Coefficient 0.23.

- E. GT: Interior, 1/4-inch fully tempered, clear glass.

- F. FG-90: Interior, clear, fire rated glazing.
 - 1. Basis of Design Manufacturer; SAFTIFIRST.
 - a. 45 minute rated – Superlite II-XL-45.

END OF SECTION 08 80 00

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SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms Circle, SS Lic. No. AA-C000937
Unit 1 Estero, FL 33928 USA www.schenkelshultz.com
voice (239) 208-4846 Copyright © 2024
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| GENERAL | |
|--------------|---------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| G000 | COVER |
| G001 | GENERAL INFORMATION AND ABBREVIATIONS |
| G010 | CODE SUMMARY & CALCULATIONS |
| G011 | FLORIDA PRODUCT APPROVALS |
| G020 | UL ASSEMBLIES |
| G021 | UL ASSEMBLIES |
| G022 | UL ASSEMBLIES |
| G031 | PARTITION TYPES & NOTES |
| G032 | TYPICAL PARTITION DETAILS |
| G101 | LIFE SAFETY PLANS |

| ARCHITECTURAL SITE | |
|--------------------|------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| AS011 | DEMOLITION SITE PLAN |
| AS012 | ARCHITECTURAL SITE PLAN |
| AS013 | CONSTRUCTION STAGING PLAN |
| AS021 | SITE PLAN DETAILS |
| AS022 | SITE PLAN DETAILS |
| AS033 | SITE DETAILS - EXISTING STORAGE BUILDING |

| ARCHITECTURAL | |
|---------------|--------------------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| A030 | SLAB PLAN - APPARATUS BAY |
| A031 | SLAB PLAN - FIRST FLOOR |
| A032 | SLAB PLAN - SECOND FLOOR |
| A100 | ARCHITECTURAL PLAN - APPARATUS BAY |
| A101 | ARCHITECTURAL PLAN - FIRST FLOOR |
| A102 | ARCHITECTURAL PLAN - SECOND FLOOR |
| A103 | ARCHITECTURAL PLAN - STAIR TOWER |
| A120 | DIMENSION PLAN - APPARATUS BAY |
| A121 | DIMENSION PLAN - FIRST FLOOR |
| A122 | DIMENSION PLAN - SECOND FLOOR |
| A141 | REFLECTED CEILING PLAN - APPARATUS LEVEL & FIRST FLOOR |
| A142 | REFLECTED CEILING PLAN - SECOND FLOOR |
| A151 | ROOF PLAN |
| A152 | ROOF PLANS |
| A160 | INTERIOR FINISH SCHEDULE, LEGENDS AND DETAILS |
| A160-A | FINISH PLAN - APPARATUS BAY |
| A161 | FINISH PLAN - FIRST FLOOR |
| A162 | FINISH PLAN - SECOND FLOOR |
| A171 | EQUIPMENT AND FURNITURE PLANS |
| A190 | SIGNAGE TYPES & NOTES |
| A200 | EXTERIOR FINISH LEGEND |
| A201 | EXTERIOR ELEVATIONS |
| A202 | EXTERIOR ELEVATIONS |
| A251 | INTERIOR ELEVATIONS |
| A252 | INTERIOR ELEVATIONS |
| A253 | INTERIOR ELEVATIONS |
| A254 | INTERIOR ELEVATIONS |
| A255 | INTERIOR ELEVATIONS |
| A301 | BUILDING SECTIONS |
| A302 | BUILDING SECTIONS |
| A303 | BUILDING SECTIONS |

| ARCHITECTURAL | |
|---------------|---------------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| A304 | BUILDING SECTIONS |
| A305 | BUILDING SECTIONS |
| A351 | WALL SECTIONS |
| A352 | WALL SECTIONS |
| A353 | WALL SECTIONS |
| A354 | WALL SECTIONS |
| A355 | WALL SECTIONS |
| A401 | ENLARGED FLOOR PLANS |
| A441 | ENLARGED RCPS |
| A460 | TOILET ACCESSORY SCHEDULE & MOUNTING HEIGHTS |
| A461 | ENLARGED FLOOR PLANS - TOILET |
| A481 | ENLARGED STAIR PLANS - INTERIOR |
| A482 | ENLARGED STAIR PLANS - EXTERIOR |
| A483 | STAIR / LIFT SECTIONS |
| A484 | ENLARGED STAIR SECTIONS |
| A485 | ENLARGED STAIR SECTIONS |
| A500 | DOOR SCHEDULE, DOOR AND FRAME TYPES |
| A501 | STOREFRONT, WINDOWS AND LOUVER TYPES, AND DETAILS |
| A510 | DETAILS - DOOR / WINDOW / LOUVER |
| A511 | DETAILS - DOOR / WINDOW |
| A512 | DETAILS - DOOR / WINDOW |
| A513 | DETAILS - STOREFRONT |
| A514 | DETAILS - STOREFRONT |
| A521 | DETAILS - EXTERIOR |
| A522 | DETAILS - EXTERIOR |
| A523 | DETAILS - EXTERIOR |
| A524 | DETAILS - EXTERIOR |
| A541 | DETAILS - CEILING |
| A551 | DETAILS - ROOF |
| A552 | DETAILS - ROOF |
| A561 | DETAILS - INTERIOR |
| A562 | DETAILS - INTERIOR |
| A571 | MILLWORK & CASEWORK DETAILS |
| A581 | DETAILS - STAIR & LIFT |
| A582 | DETAILS - TYP. STAIR |
| A583 | DETAILS - EXTERIOR STAIR |
| AR100 | ARCHITECTURAL RENDERING - FOR REFERENCE ONLY |
| AR101 | ARCHITECTURAL RENDERING - FOR REFERENCE ONLY |
| AR102 | ARCHITECTURAL RENDERING - FOR REFERENCE ONLY |
| AR103 | ARCHITECTURAL RENDERING - FOR REFERENCE ONLY |
| AR104 | ARCHITECTURAL RENDERING - FOR REFERENCE ONLY |
| AR105 | ARCHITECTURAL RENDERING - FOR REFERENCE ONLY |
| AR106 | ARCHITECTURAL RENDERING - FOR REFERENCE ONLY |

| STRUCTURAL | |
|--------------|----------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| S001 | STRUCTURAL NOTES |
| S002 | STRUCTURAL NOTES / ABBREVIATIONS |
| S003 | WIND PRESSURES |
| S100 | FOUNDATION AND APPARATUS FLOOR PLAN |
| S101 | FIRST FLOOR PLAN |
| S121 | SECOND FLOOR AND LOW ROOF FRAMING PLAN |
| S131 | MAIN ROOF AND TOWER ROOF FRAMING PLANS |
| S201 | SCHEDULES & DETAILS |
| S301 | FOUNDATION & SLAB ON GRADE (SOG) DETAILS |
| S302 | FOUNDATION / GROUND FLOOR SECTIONS & DETAILS |
| S303 | GROUND FLOOR SECTIONS / CONC WALL ELEVATION |
| S304 | TYPICAL MASONRY (CMU) DETAILS |
| S305 | STEEL FRAMING SECTIONS & DETAILS |
| S306 | COMPOSITE & SECOND FLOOR SECTIONS & DETAILS |
| S307 | ROOF SECTIONS & DETAILS |
| S308 | SECTIONS AND DETAILS |

| MECHANICAL | |
|--------------|-------------------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| M001 | GENERAL NOTES, ABBREVIATIONS AND SYMBOL LEGEND - HVAC |
| M100 | FLOOR PLAN - APPARATUS BAY - HVAC |
| M101 | FLOOR PLAN - FIRST FLOOR - HVAC |
| M102 | FLOOR PLAN - SECOND FLOOR - HVAC |
| M401 | CONTROLS - HVAC |
| M501 | DETAILS - HVAC |
| M502 | DETAILS - HVAC |
| M601 | SCHEDULES - HVAC |

| PLUMBING | |
|--------------|-----------------------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| P001 | GENERAL NOTES, ABBREVIATIONS AND SYMBOL LEGEND - PLUMBING |
| P100 | FOUNDATION FLOOR PLAN - GRAVITY - PLUMBING |
| P101-A | FLOOR PLAN - FIRST FLOOR - GRAVITY - PLUMBING |
| P101-B | FLOOR PLAN - FIRST FLOOR - GRAVITY - PLUMBING |
| P102 | FLOOR PLAN - SECOND FLOOR - PLUMBING |
| P201 | SANITARY RISER DIAGRAM - PLUMBING |
| P202 | SANITARY RISER DIAGRAM - PLUMBING |
| P203 | DOMESTIC WATER RISER DIAGRAM - PLUMBING |
| P204 | DOMESTIC WATER RISER DIAGRAM - PLUMBING |
| P205 | COMPRESSED AIR RISER DIAGRAM - PLUMBING |
| P206 | GAS RISER DIAGRAM - PLUMBING |
| P601 | DETAILS - PLUMBING |
| P602 | DETAILS - PLUMBING |
| P601 | SCHEDULES - PLUMBING |

| FIRE PROTECTION | |
|-----------------|---------------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| F001 | GENERAL NOTES & DESIGN CRITERIA - FIRE PROTECTION |
| F101 | FLOOR PLAN - FIRST FLOOR - FIRE PROTECTION |
| F102 | FLOOR PLAN - SECOND FLOOR - FIRE PROTECTION |
| F501 | DETAILS - FIRE PROTECTION |
| F502 | DETAILS - FIRE PROTECTION |
| F503 | DETAILS - FIRE PROTECTION |
| F601 | SCHEDULE - FIRE PROTECTION |

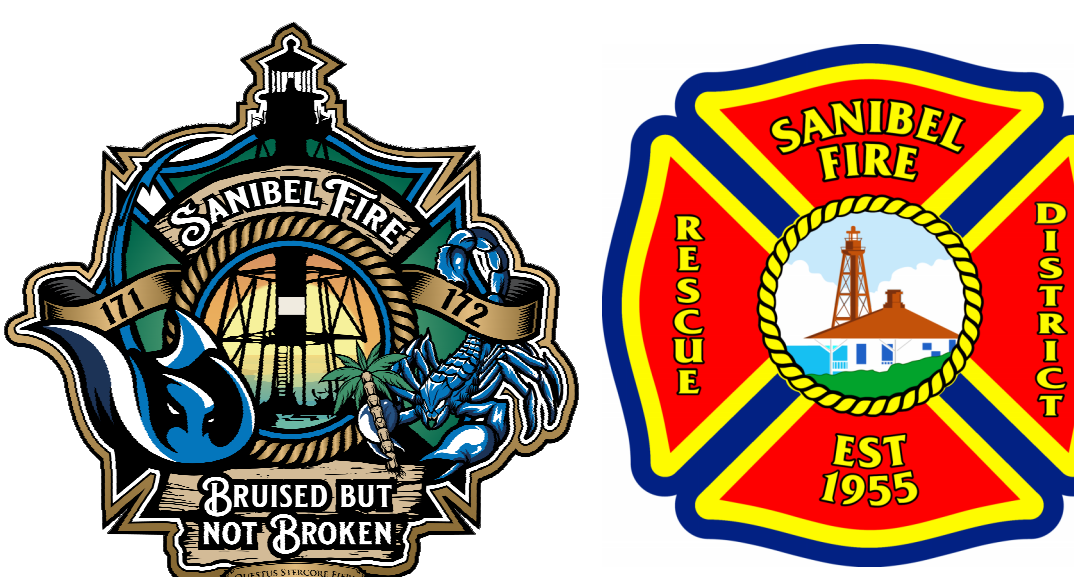
| ELECTRICAL | |
|--------------|----------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| E001 | GENERAL NOTES & DESIGN CRITERIA - ELECTRICAL |
| E002 | GENERAL NOTES & DESIGN CRITERIA - FIRE ALARM |
| E003 | LIGHTING FIXTURE SCHEDULE - ELECTRICAL |
| E010 | SITE PLAN - ELECTRICAL |
| E011 | SITE PLAN - PHOTOMETRICS |
| E012 | FIXTURES - PHOTOMETRICS |
| E013 | SITE PLAN - BUILDING ATTACHED LIGHTING |
| E014 | FIXTURES - BUILDING ATTACHED LIGHTING |
| E100 | FLOOR PLAN - APPARATUS BAY - LIGHTING |
| E101 | FLOOR PLAN - FIRST FLOOR - LIGHTING |
| E102 | FLOOR PLAN - SECOND FLOOR - LIGHTING |
| E200 | FLOOR PLAN - APPARATUS BAY - POWER |
| E201 | FLOOR PLAN - FIRST FLOOR - POWER |
| E202 | FLOOR PLAN - SECOND FLOOR - POWER |
| E501 | DETAILS - ELECTRICAL |
| E502 | DETAILS - FIRE ALARM |
| E601 | RISER - ELECTRICAL |
| E701 | PANEL SCHEDULES - ELECTRICAL |

| TECHNOLOGY | |
|--------------|----------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| T000 | TECHNOLOGY DUMMY |
| T001 | GENERAL NOTES & DESIGN CRITERIA - TECHNOLOGY |
| T100 | FLOOR PLAN - APPARATUS BAY - TECHNOLOGY |
| T101 | FLOOR PLAN - FIRST FLOOR - TECHNOLOGY |
| T102 | FLOOR PLAN - SECOND FLOOR - TECHNOLOGY |

| REVISIONS | | |
|-----------|-----------------|----------|
| MARK | DESCRIPTION | DATE |
| 1 | PERMIT COMMENTS | 01.10.24 |

| CIVIL | |
|--------------|------------------------------------------|
| SHEET NUMBER | SHEET TITLE |
| C1 | COVER SHEET, VICINITY MAP & INDEX |
| C2 | AERIAL & EXISTING CONDITIONS PLAN |
| C3 | DEMOLITION PLAN |
| C4 | SITE LAYOUT, SIGNING & MARKING PLAN |
| C5 | PAVING, GRADING & DRAINAGE PLAN |
| C6 | UTILITY PLAN |
| C7 | TYPICAL SECTIONS |
| C8 | PAVING DETAILS |
| C9 | ISLAND WATER ASSOCIATION UTILITY DETAILS |
| C10 | WATER & SEWER DETAILS |
| C11 | EROSION CONTROL PLAN |

| LANDSCAPE | |
|--------------|------------------------------|
| SHEET NUMBER | SHEET TITLE |
| L.C. | COVER |
| L-EX-1 | VEGETATION IMPACTS PLAN |
| LP-1 | CODE REQUIREMENTS PLAN |
| LP-2 | PROPOSED PLANTING PLAN |
| LP-2A | PROPOSED PLANTING PLAN |
| LP-3 | CODE REQUIRED BUFFERS |
| LP-4 | PLANT SCHEDULE |
| LP-5 | PLANT PALETTE |
| LP-6 | CONCEPT IMAGES |
| LP-7 | LANDSCAPE DETAILS AND NOTES |
| LP-IR-1 | PROPOSED IRRIGATION PLAN |
| LP-IR-2 | IRRIGATION DETAILS AND NOTES |



SANIBEL FIRE AND RESCUE STATION 172

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

100% CONSTRUCTION DOCUMENTS

COMM. NO.: 2023820

01.05.2024

INTERIOR DESIGN
SCHENKELSHULTZ
9510 CORKSCREW PALMS CIRCLE, UNIT 1
ESTERO, FLORIDA, 33928
PHONE 239.208.4846
WWW.SCHENKELSHULTZ.COM

LANDSCAPE ARCHITECT
COASTAL VISTA DESIGN
2410 PALM RIDGE ROAD
SANIBEL, FLORIDA 33957
PHONE 239.558.4610
WWW.COASTALVISTADESIGN.COM

PLUMBING ENGINEER
OCI & ASSOCIATES, INC.
9128 COMMERCE CENTER COURT
FORT MYERS, FLORIDA, 33908
PHONE 239.454.5117
WWW.OCIASSOCIATES.COM

ELECTRICAL ENGINEER
OCI & ASSOCIATES, INC.
9128 COMMERCE CENTER COURT
FORT MYERS, FLORIDA, 33908
PHONE 239.454.5117
WWW.OCIASSOCIATES.COM

MECHANICAL ENGINEER
OCI & ASSOCIATES, INC.
9128 COMMERCE CENTER COURT
FORT MYERS, FLORIDA, 33908
PHONE 239.454.5117
WWW.OCIASSOCIATES.COM

CIVIL ENGINEER
RESPEC
1605 HENDRY STREET
FORT MYERS, FLORIDA, 33901
PHONE 239.418.0691
WWW.RESPEC.COM

STRUCTURAL ENGINEER
TRC WORLDWIDE ENGINEERING, INC.
11926 FAIRWAY LAKES DRIVE
FORT MYERS, FLORIDA, 33913
PHONE 239.939.1414
WWW.TRCWW.COM

OWNER
SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD
SANIBEL, FLORIDA, 33957
PHONE 239.472.5525
WWW.SANIBELFIRE.COM

ARCHITECT OF RECORD
SCHENKELSHULTZ
9510 CORKSCREW PALMS CIRCLE, UNIT 1
ESTERO, FLORIDA, 33928
PHONE 239.208.4846
WWW.SCHENKELSHULTZ.COM

COMM. NO.: 2023820

ISSUE DATE: 01.05.2024

DRAWN BY: BL

COVER

G000

100% CONSTRUCTION DOCUMENTS

NOT RELEASED FOR CONSTRUCTION

| | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROJECT SUMMARY | |
| THIS PROJECT CONSISTS OF A NEW TWO-STORY FIRE STATION FACILITY. THIS BUILDING WILL BE CONSTRUCTED AFTER THE DEMOLITION OF AN EXISTING ONE-STORY FIRE STATION ON THE SITE, AND WILL ADHERE TO THE CURRENT COASTAL DESIGN STANDARDS. THIS WILL BE A RISK CATEGORY IV, LEVEL 'E' ESSENTIAL FACILITY. IN ADDITION TO THE MAIN FIRE STATION AN EXISTING GARAGE USED FOR STORAGE TO BE REFINISHED AND REMAIN. | |
| EHPA / STORM SHELTER | |
| THIS PROJECT WILL NOT BE CONSTRUCTED AS AN EHPA OR STORM SHELTER | |
| APPLICABLE CODES & STANDARDS | |
| BUILDING: | FLORIDA BUILDING CODE 8TH EDITION (2023) |
| FIRE / LIFE SAFETY: | FLORIDA FIRE PREVENTION CODE 8TH EDITION (2023) NFPA 1, FLORIDA FIRE PREVENTION CODE - 2024, FLORIDA EDITION NFPA 101, LIFE SAFETY CODE - 2024, FLORIDA EDITION |
| PLUMBING: | FLORIDA BUILDING CODE 8th EDITION (2023) - PLUMBING FLORIDA BUILDING CODE 8th EDITION (2023) - FUEL GAS |
| MECHANICAL: | FLORIDA BUILDING CODE 8th EDITION (2023) - MECHANICAL |
| ELECTRICAL: | REFER TO ELECTRICAL SHEET E001 |
| ENERGY: | FLORIDA BUILDING CODE 8th EDITION (2023) - ENERGY CONSERVATION |
| ACCESSIBILITY: | FLORIDA BUILDING CODE 8th EDITION (2023) - ACCESSIBILITY |
| TESTING FOR HVHZ: | FLORIDA BUILDING CODE 8th EDITION (2023) - TEST PROTOCOLS |
| OTHER: | CITY OF SANIBEL LAND DEVELOPMENT CODE |

| | |
|----------------------------------------|---------------------------------------------|
| AUTHORITIES HAVING JURISDICTION | |
| BUILDING: | CITY OF SANIBEL FLORIDA BUILDING DEPARTMENT |
| FIRE / LIFE SAFETY: | SANIBEL FIRE AND RESCUE DEPARTMENT |

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| OCCUPANCY CLASSIFICATION | |
| (FBC CHAPTER 3 - Use & Occupancy Classification) (FBC CHAPTER 5 - General Building Heights & Areas) (NFPA 101 CHAPTER 6 - Classification Occupancy) | |
| MIXED USE OCCUPANCY PER FBC SECTION 508 & NFPA 101 - 1.14.3 BUSINESS 'B' OCCUPANCY RESIDENTIAL 'R-2' OCCUPANCY STORAGE 'S-2' OCCUPANCY - FIRE APPARATUS BAY AND STORAGE AREAS | |

| | |
|-----------------------------------------|----------------------------------------------------|
| CONSTRUCTION TYPE | |
| (FBC CHAPTER 6 - Types of Construction) | |
| BUILDING: | TYPE V-B CONSTRUCTION, SPRINKLERED (FBC TABLE 601) |

| | |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIND ZONE | |
| (FBC SECTION 1609 - Wind Loads) | |
| WIND ZONE 4: | V _{ult} WIND SPEED: 160 MPH > X < 190 MPH; EXPOSURE 'D', RISK CATEGORY IV BUILDING ENVELOPE ELEMENTS TO BE MISSILE LEVEL 'E' APPARATUS BAY DOORS TO BE MISSILE LEVEL 'D' PER SECTION 1609.1.2.3. |

| | |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| FIRE RESISTANCE OF BLDG. ELEMENTS BY CONSTRUCTION TYPE | |
| PRIMARY STRUCT. FRAME: | 0 HOURS |
| BEARING WALLS - EXT: | 0 HOURS |
| BEARING WALLS - INT: | 0 HOURS |
| NONBEARING WALLS - EXT: | SEE TABLE 602 |
| NONBEARING WALLS - INT: | 0 HOURS |
| FLOOR CONSTRUCTION: | 0 HOURS |
| ROOF CONSTRUCTION: | 0 HOURS |
| CORRIDORS: | SMOKE PARTITION (NFPA 101 - 8.4) |
| EXIT STAIRS: | 1 HOUR (FBC 1023.2 / NFPA 101 - 7.1.3.2.1(1)) WHERE CONNECTING LESS THAN FOUR STORIES |
| FLOOR OPENINGS / SHAFTS: | 1 HOUR (FBC 707.5, 707.6, & 713.4 / NFPA 101 - 8.6.5(2)) WHERE CONNECTING LESS THAN FOUR STORIES |
| NOTE: REFER TO SHEETS G020-G022 FOR UL ASSEMBLIES TO PROVIDE REQUIRED FIRE RESISTANCE OF BLDG. ELEMENTS | |

| | |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| BUILDING HEIGHT BY CONSTRUCTION TYPE | |
| (FBC CHAPTER 5 - General Building Heights and Areas) | |
| ALLOWABLE HEIGHT: | 3 STORIES / 60 FT. (Mixed Occupancies per 504.2 applied) |
| ACTUAL BUILDING HEIGHT: | 3 STORIES / 45' - 0" |
| NOTE: NEW GROUP 'R' OCCUPANCIES ARE REQUIRED TO BE PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM PER FBC SECTION 903.2.8. | |

| | |
|------------------------------------------------------|-------------------------------------------------------|
| BUILDING AREA BY CONSTRUCTION TYPE | |
| (FBC CHAPTER 5 - General Building Heights and Areas) | |
| ALLOWABLE BUILDING AREA: | 27,000 SF (GROUP 'B' OCCUPANCY WITH SPRINKLER SYSTEM) |
| ACTUAL BUILDING AREA: | 12,812 GSF |
| APPARATUS BAY (UNCONDITIONED): | 3,880 GSF |
| FIRST FLOOR: | 1,497 GSF |
| SECOND FLOOR: | 3,525 GSF |
| UNCONDITIONED AREAS: | 3,130 GSF |

| | |
|-----------------------------------------------------------|------------------------|
| OPENING PROTECTIVES IN FIRE RESISTANT CONSTRUCTION | |
| (FBC TABLE 716.5) | |
| CONSTRUCTION TYPE | FIRE RESISTANCE RATING |
| 1 - HOUR FIRE BARRIER: | 3/4 HOUR |
| 2 - HOUR FIRE BARRIER: | 1 1/2 HOUR |
| 1-HOUR EXIT ENCLOSURE: | 1 HOUR |
| SMOKE PARTITION: | N/A |

| | | |
|--------------------------------|------------------------------|----------|
| SEPARATION FROM HAZARDS | | |
| (NFPA 101 - 8.7.1.2) | | |
| ROOM OR AREA | FIRE RESISTANCE RATING | STANDARD |
| MECHANICAL ROOMS | SMOKE PARTITION W/ SPRINKLER | NFPA 101 |
| ELECTRICAL ROOMS | SMOKE PARTITION W/ SPRINKLER | NFPA 101 |
| JANITOR CLOSETS | SMOKE PARTITION W/ SPRINKLER | NFPA 101 |
| STORAGE ROOMS | SMOKE PARTITION W/ SPRINKLER | NFPA 101 |

| | |
|-------------------------------------------------------------------------|------------------------|
| INTERIOR FINISHES | |
| (per NFPA 101 CHAPTER 10 - more stringent than FBC) | |
| CONSTRUCTION TYPE | FIRE RESISTANCE RATING |
| EXITS | CLASS A |
| EXIT ACCESS CORRIDORS | CLASS B |
| OTHER THAN EXITS | CLASS C |
| LOW HEIGHT PARTITIONS | CLASS C (SEE NOTE 1) |
| INTERIOR FLOOR FINISHES | CLASS II |
| NOTES: | |
| 1. PARTITIONS NOT EXCEEDING 60 INCHES AND IN LOCATIONS OTHER THAN EXITS | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|
| OCCUPANT LOADS | | |
| (FBC SECTION 1004 / NFPA 101 - 7.3) | | |
| THE CALCULATED OCCUPANT LOAD RESULTS IN A TOTAL BUILDING POPULATION FOR EGRESS OF 54 PERSONS AS INDICATED BELOW. REFER TO EGRESS CAPACITY TABLES BELOW FOR EGRESS BY FLOOR OR AREA. REFER TO THE LIFE SAFETY DRAWINGS FOR THE OCCUPANCY SCHEDULES. | | |
| LEVEL | OCCUPANT LOAD | PROVIDED EGRESS |
| APPARATUS LEVEL | 19 PERSONS | 170 PERSONS |
| FIRST FLOOR | 10 PERSONS | 340 PERSONS |
| SECOND FLOOR | 25 PERSONS | 340 PERSONS |
| TOTAL CAPACITY FOR EGRESS | | 850 PERSONS |
| NOTE: OCCUPANCY LOADS CALCULATED BY MORE STRINGENT CONCENTRATION OR OCCUPANCY PER FBC SECTION 508.3. | | |

| | | |
|------------------------------------------------------------------------------------------|---------------------------------------|------------------------|
| EGRESS CAPACITY | | |
| REFER TO THE LIFE SAFETY DRAWINGS FOR THE LOCATION AND CAPACITY OF ALL EGRESS COMPONENTS | | |
| EXITS | | |
| LEVEL | EXIT WIDTH - REQUIRED | EXIT WIDTH - PROVIDED |
| APPARATUS LEVEL | 19 PERSONS X 0.2" = 3.8 INCHES | 170 INCHES |
| FIRST FLOOR | 10 PERSONS X 0.2" = 2 INCHES | 340 INCHES |
| SECOND FLOOR | 25 PERSONS X 0.2" = 5 INCHES | 340 INCHES |
| STAIRS | | |
| LEVEL | STAIR WIDTH - REQUIRED | STAIR WIDTH - PROVIDED |
| APPARATUS LEVEL | N / A | N / A |
| FIRST FLOOR | 10 PERSONS X 0.3" = 3 INCHES | 50 INCHES |
| SECOND FLOOR | 25 PERSONS X 0.3" = 7.5 INCHES | 91 INCHES |

| | |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| EGRESS COMPONENTS | |
| MIN. NUMBER OF EXITS: | 3 (PER FBC TABLE 1006.2.1 AND 1006.3.2) |
| MAX. TRAVEL DISTANCE: | 100 FT. (PER FBC TABLE 1017.2 & NFPA 101 - 28.2.6.3.1) |
| MAX. COMMON PATH OF TRAVEL: | 75 FT. - SPRINKLERED (PER FBC TABLE 1006.2.1 & NFPA 101 - 28.2.5.2.1) |
| MAX. DEAD END CORRIDOR: | 50 FT. - SPRINKLERED (PER FBC SECTION 1020.5 & NFPA 101 - 28.2.5.3.1) |
| MIN. CORRIDOR WIDTH: | NOT LESS THAN 44" (PER NFPA 101 - 28.2.3.3 - MORE STRINGENT) |
| MIN. STAIR WIDTH: | 0.3" PER PERSON (PER FBC 1005.3.1 & NFPA 101 - 7.3.3.1 OR 7.3.3.2) BUT NO LESS THAN 44" (PER FBC SECTION 1011.2) |
| MIN. DOOR WIDTH: | 0.2" PER PERSON (PER FBC 1005.3.2 & NFPA 101 - 7.3.3.1 OR 7.3.3.2) BUT NO LESS THAN 32" (PER FBC SECTION 1010.1.1 AND NFPA 101 - 7.2.1.2.3.2) |
| LIFT LOBBY | |
| (NFPA 101 - 7.2.13.3) | |

EVERY FLOOR SERVED BY THE LIFT SHALL HAVE AN LIFT LOBBY. BARRIERS FORMING THE LIFT LOBBY SHALL HAVE A MINIMUM 1-HOUR FIRE RESISTANCE RATING AND SHALL BE ARRANGED AS A SMOKE BARRIER IN ACCORDANCE WITH SECTION 8.5.

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|-------------------|------------------|--|
| PLUMBING FIXTURE CALCULATIONS | | | | | |
| (FBC, PLUMBING SECTION 403) | | | | | |
| 403.1. PLUMBING FIXTURES SHALL BE PROVIDED IN THE MINIMUM NUMBER SHOWN IN TABLE 403.1, BASED ON THE ACTUAL USE OF THE BUILDING OR SPACE. | | | | | |
| OCCUPANCY | WATER CLOSETS | LAVATORIES | DRINKING FOUNTAIN | BATHTUB / SHOWER | |
| | MALE | FEMALE | MALE | FEMALE | |
| BUSINESS | 1/25 ≤ 50 OCC. 1/50 > 50 OCC. | 1/40 ≤ 80 OCC. 1/80 > 80 OCC. | 1 PER 100 | - | |
| RESIDENTIAL (DORMITORY) | 1 PER 10 | 1 PER 10 | 1 PER 100 | 1 PER 8 | |

| | | | | |
|-------------------------------------------|---------------|------------|-------------------|------------------|
| REQUIRED FIXTURES | WATER CLOSETS | LAVATORIES | DRINKING FOUNTAIN | BATHTUB / SHOWER |
| | MALE | FEMALE | MALE | FEMALE |
| BUSINESS = 175 OCC. 88 MALE, 88 FEMALE | 3 | 3 | 1 | - |
| RESIDENTIAL = 7 OCC. 4 MALE, 4 FEMALE | 1 | 1 | 1 | 1 |
| PROVIDED FIXTURES | WATER CLOSETS | LAVATORIES | DRINKING FOUNTAIN | BATHTUB / SHOWER |
| | MALE | FEMALE | MALE | FEMALE |
| | 4 | | 1 | 3 |

NOTE:
1. SINGLE-USER UNISEX TOILET FACILITIES AND BATHING ROOMS PROVIDED THROUGHOUT BUILDING.
2. SINGLE-USER TOILET AND BATHING FACILITIES WITHIN DECONTAMINATION ROOM PROVIDED AS PART OF REQUIRED FIXTURE COUNT.

| | |
|-----------------------------|-----------------------------------------------------|
| FEMA SITE SUMMARY | |
| BUILDING ADDRESS: | 5171 SANIBEL-CAPTIVA ROAD SANIBEL, FLORIDA 33957 |
| F.I.R.M. MAP: | 12071C0509G EFFECTIVE NOVEMBER 17, 2022 |
| FLOOD ZONE DESIGNATION: | AE9 (NON-COASTAL) |
| BASE FLOOD ELEVATION (BFE): | 9' - 0" |

| | | |
|---------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------|
| FLOOD DESIGN | | |
| (ASCE 24-14) | | |
| FLOOD DESIGN CLASS: ASCE 24-14, TABLE 1-1 | CLASS 4 (ESSENTIAL FACILITIES) | |
| | REQUIRED | ELEVATION PROVIDED |
| MINIMUM ELEVATION OF LOWEST FLOOR: ASCE 24-14, TABLE 2-1 | BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION | 13' - 0" (500-YEAR FLOOD ELEVATION) |
| MINIMUM ELEVATION OF FLOOD DAMAGE-RESISTANT MATERIALS: ASCE 24-14, TABLE 5-1 | BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION | 13' - 0" (500-YEAR FLOOD ELEVATION) |
| MINIMUM ELEVATION OF UTILITIES AND EQUIPMENT: ASCE 24-14, TABLE 7-1 | BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION | 13' - 0" (500-YEAR FLOOD ELEVATION) |
| MINIMUM ELEVATION OF WET FLOODPROOFING: ASCE 24-14, TABLE 6-1 | BFE + 2 FT. -OR- DFE -OR- 500-YEAR FLOOD ELEVATION | N/A |

| | |
|-------------------------------------------------------------------------------------|---------------------------------------------------|
| FLOOD DESIGN CALCULATIONS | |
| BASE FLOOD ELEVATION (BFE): | 9' - 0" |
| DESIGN FLOOD ELEVATION (DFE): | BFE + 2' - 0" = 11' - 0" |
| 500-YEAR FLOOD ELEVATION | 13' - 0" (TAKEN AS WAVE CREST ELEVATION) |
| F.I.R.M. PANEL CROSS SECTION: F.I.S. TRANSECT CHART: DISTANCE FROM SHORELINE: | SECTION 43 CHART: 067T 3000' - 0" (APPROX.) |
| 0.2% ANNUAL CHANCE WAVE ENVELOPE ELEVATION (NAVDB8): | 13' - 0" |

| | |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STRUCTURAL DESIGN | |
| (FBC 7TH ED. 2020) | |
| RISK CATEGORY: FBC, TABLE 1604.5 | IV STRUCTURE (BASED ON USE AS ESSENTIAL FACILITY) |
| EXPOSURE CATEGORY: | EXPOSURE CATEGORY "C" |
| ULTIMATE DESIGN WIND SPEED: FBC SECTION 1609.3 FBC FIGURE 1609.3(3) | STRUCTURAL DESIGN WILL ASSUME V _{ULT} = 190 M.P.H. |
| PROTECTION OF OPENINGS: FBC SECTION 1609.1.2 | IN WIND-BORNE DEBRIS REGIONS, GLAZED OPENINGS IN BUILDINGS SHALL BE IMPACT RESISTANT OR PROTECTED WITH AN IMPACT-RESISTANT COVERING MEETING THE REQUIREMENTS OF ANSIDASMA 115 OR TAS 201, 202, OR 203. |
| ALL GLAZING DESIGNED TO BE IMPACT-RATED TO LEVEL 'E' FOR SMALL AND LARGE MISSILE TESTS. | |

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|
| FLOOD VENT CALCULATIONS | | |
| BASIS-OF-DESIGN PRODUCT: SMART VENT MODEL 1540-520" INSULATED FLOOD VENT | | |
| FLOOD COVERAGE: | 200 S.F. FLOOR AREA | |
| | VENTS REQUIRED | VENTS PROVIDED |
| STORAGE BUILDING: 773 S.F. | 4 | 4 |
| APPARATUS BAY: 3,359 S.F. | 17 | 18 |
| STAIR TOWER: 174 S.F. | 1 | 2 |
| NOTE: | | |
| 1. FLOOD VENTS WILL BE LOCATED AND INSTALLED IN EXTERIOR WALLS PER PLAN. SEE EXTERIOR ELEVATIONS FOR MULTIFRAME VENTS AS REQUIRED TO MEET FLOOD DESIGN CALCULATIONS. | | |
| 2. SEE STRUCTURAL DRAWINGS FOR MASONRY WALL OPENING SIZE AND DETAILS. | | |



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



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| REVISIONS | | |
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| 1 | PERMIT COMMENTS | 05/14/24 |

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: NW

CODE SUMMARY & CALCULATIONS

G010

100% CONSTRUCTION DOCUMENTS

NOT RELEASED FOR CONSTRUCTION

| CATEGORY | SUBCATEGORY | MANUFACTURER | DOCUMENTATION TYPE (PER FLORIDA ADMINISTRATIVE CODE 9B-72.070) | | IMPACT RESISTANT | DESIGN PRESSURE | APPROVAL / EXPIRATION DATE |
|--------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------|---------------------|--------------------|----------------------------------|
| | | PRODUCT NAME / NUMBER | STATE OF FLORIDA APPROVAL NO. | METHOD (1 OR 2), LETTER CODE | | | |
| WINDOWS | HORIZONTAL SLIDER | PGT INDUSTRIES, INC. SERIES 'HR7710A' ALUMINUM ROLLER WINDOW | FL 242.4 R33 | METHOD 1, OPTION A | YES | +65.0 -65.0 | 08.18.2023 |
| PANEL WALLS | STOREFRONT | YKK AP AMERICA *YHS 50FT ALUMINUM STOREFRONT (MISSILE LEVEL E) | FL 14218.1 R14 | METHOD 1, OPTION D | YES | +70.0 -90.0 | 07.25.2023 |
| SKYLIGHTS | | NO PRODUCTS IN THIS CATEGORY. | | | | | |
| EXTERIOR DOORS | SWINGING EXTERIOR DOOR ASSEMBLIES | SCHLAGE LOCK COMPANY, LLC / ALLEGION OUTSWING SINGLE GLAZED STEEL DOOR | FL 16740.4 R9 | METHOD 1, OPTION D | YES | +70.0 -70.0 | 12.12.2023 |
| | SWINGING EXTERIOR DOOR ASSEMBLIES | SCHLAGE LOCK COMPANY, LLC / ALLEGION OUTSWING DOUBLE FLUSH STEEL DOOR | FL 16740.3 R9 | METHOD 1, OPTION D | YES | +107.0 -107.0 | 12.12.2023 |
| | SWINGING EXTERIOR DOOR ASSEMBLIES | YKK AP AMERICA SERIES '35H' OUTSWING ALUMINUM DOOR | FL 16554.2 R13 | METHOD 1, OPTION D | YES | +90.0 -90.0 | 07.25.2023 |
| | ROLL-UP EXTERIOR DOOR ASSEMBLIES | THE COOKSON COMPANY SERIES 'ESD' ROLL-UP STEEL DOOR | FL 17421.1 R5 | METHOD 1, OPTION D | YES | +120.0 -120.0 | 08.21.2023 |
| FOUR-FOLD EXTERIOR DOOR ASSEMBLIES | DOOR ENGINEERING AND MANUFACTURING, INC. 'FF701' HURRICANE SERIES FOUR-FOLD DOOR | FL 32280.3 R3 | METHOD 1, OPTION D | YES | +120.0 -120.0 | 02.09.2021 | |
| | PGT INDUSTRIES, INC. 'SGD-770' SLIDING GLASS DOOR | FL 251.4 R39 | METHOD 1, OPTION A | YES | +90.0 -130.0 | 08.18.2023 | |
| | SECTIONAL EXTERIOR DOOR ASSEMBLIES | OVERHEAD DOOR CORPORATION WINDSTORM SERIES 7565' SECTIONAL DOOR | FL 16798.8 R8 | METHOD 1, OPTION D | YES | +64.0 -72.0 | 11.07.2023 |
| SHUTTERS | FABRIC STORM PANELS | CUSTOM HURRICANE PRODUCTS, INC. 'SUPERMAX' 27-MIL ROLL-DOWN IMPACT SCREEN | FL 16380.1 R4 | METHOD 1, OPTION D | NO | +75.0 -75.0 | 10.17.2023 |
| ROOFING | SINGLE-PLY ROOF SYSTEMS | SEAMAN CORPORATION FIBERTITE ROOF SYSTEMS | FL 4930.1 R22 | METHOD 1, OPTION C | YES | +N/A -572.5 | 01.02.2024 |
| | METAL ROOF | BERRIDGE MANUFACTURING COMPANY 'ZEE-LOCK DOUBLE-LOCK' WITH ZEE-CLIP | FL 11241.6 R8 | METHOD 1, OPTION A | YES | +N/A -191.0 | 10.22.2023 |
| PANEL WALLS | WALL LOUVER | GREENHECK FAN CORPORATION 'EHH-601D' HURRICANE LOUVER | FL 10088.1 R10 | METHOD 1, OPTION D | YES | +150.0 -150.0 | 10.16.2023 |
| STRUCTURAL COMPONENTS | PRODUCTS INTRODUCED AS A RESULT OF NEW TECHNOLOGY | SMART VENT PRODUCTS, INC. 'MODEL 1540-520' INSULATED FLOOD VENT | FL 5822.3 R9 | METHOD 2, OPTION B | YES | +100.0 -100.0 | 10.17.2023 |
| NEW & INNOVATIVE BUILDING ENVELOPE PRODUCTS (OTHER) | | NO PRODUCTS IN THIS CATEGORY. | | | | | |

GENERAL NOTES:

- INCLUSION OF "APPROVED PRODUCTS" OR ASSOCIATED INFORMATION AND DOCUMENTATION IN THIS SCHEDULE OR BY REFERENCE IN THE CONSTRUCTION DOCUMENTS DOES NOT IMPLY THAT SCHENKELSHULTZ OR ITS SUBCONSULTANTS HAVE EITHER PRODUCED OR CREATED THE INFORMATION CONTAINED HEREIN. CONSEQUENTLY, SCHENKELSHULTZ AND ITS SUBCONSULTANTS ACCEPT NO RESPONSIBILITY FOR ANY INFORMATION GIVEN RELATIVE TO "APPROVED PRODUCTS."
- RESPONSIBILITY FOR ANY PRODUCTS PERFORMANCE RELATIVE TO STRUCTURAL INTEGRITY DURING HURRICANES BASED ON EVALUATIONS OF CODE COMPLIANCE CONDUCTED BY STATE APPROVED ENTITIES LIES SOLELY WITH THE MANUFACTURERS OF THE ABOVE LISTED PRODUCTS.
- INCLUSION OF A PRODUCT IN THIS SCHEDULE DOES NOT IMPLY OR PRESUME THAT THE PRODUCT LISTED WILL BE INSTALLED IN THIS PROJECT. ALTERNATE PRODUCTS COMPLYING WITH CODE REQUIREMENTS MAY BE UTILIZED UPON EVALUATION, ACCEPTANCE, AND APPROVAL BY THE BUILDING DEPARTMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT INFORMATION AND DOCUMENTATION THAT MAY BE REQUIRED BY THE BUILDING DEPARTMENT FOR THE ALTERNATE PRODUCTS EVALUATION AND APPROVAL.
- REFER TO STRUCTURAL DRAWINGS FOR APPLICABLE WIND SPEED CLASSIFICATION OF PROJECT.
- PROVIDE HARDWARE OR GLAZING THAT HAS BEEN TESTED WITH AND INCLUDED IN EACH SPECIFIC FLORIDA PRODUCT APPROVAL, AND ABLE TO WITHSTAND THE APPLICABLE WIND PRESSURE INDICATED ON THE STRUCTURAL DRAWINGS - NO EXCEPTIONS.



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COMM. NO.: 2023820
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**FLORIDA PRODUCT
APPROVALS**

G011

100% CONSTRUCTION DOCUMENTS

NOT RELEASED FOR CONSTRUCTION



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PARTITION TAG EXAMPLE

PARTITION IDENTIFICATION EXAMPLE

ACOUSTIC PARTITION EXAMPLE

ABUSE RESISTANT GYPSUM BOARD EXAMPLE

PARTITION PRIORITIES

GYPSUM BOARD SCHEDULE

INSULATION SCHEDULE

PARTITION ID DIAGRAM **ACOUSTIC PARTITION DIAGRAM** **ABUSE RESISTANT GYP. BD. DIAGRAM** **PARTITION PRIORITY DIAGRAM** **GYPSUM BOARD SCHEDULE** **INSULATION SCHEDULE**

WALL RATING LEGEND

GRAPHIC PATTERN **WALL RATING**

SMOKE

30 MIN

1-HOUR

GENERAL NOTES - PARTITIONS

- PARTITIONS ARE DISTINGUISHED ON FLOOR PLANS BY GRAPHIC AND TWO-PART SYMBOL DESIGNATIONS. THE ALPHANUMERIC SYMBOL INDICATES THE PARTITION TYPE AND THE NUMERIC CHARACTER DESIGNATES THE STUD, CMU OR CONCRETE WIDTH. REFER TO THE PARTITION TYPE DIAGRAMS.
- PARTITIONS REQUIRED TO BE SMOKE AND/OR FIRE RESISTANT ARE DISTINGUISHED GRAPHICALLY ON THE LIFE SAFETY PLANS. REFER TO THE FIRE & SMOKE RESISTANCE LEGEND.
- FLR, CLNG AND STRUCT DELINEATED IN THE PARTITION TYPE SECTIONS ARE DIAGRAMMATIC AND DO NOT REFLECT EXACT CONSTRUCTION CONDITIONS OR GEOMETRY.
- GYPSUM BOARD TYPES INDICATED IN THE PARTITION TYPE SECTIONS IS TYPICAL UNLESS NOTED OTHERWISE IN THE GYPSUM BOARD SCHEDULE FOR THE PARTITION LOCATION (EXAMPLE: TYPE 'A3' PARTITION AT A WET WALL WILL RECEIVE 5/8" MOISTURE AND MOLD RESISTANT GYP BD IN LIEU OF 5/8" GYP BD. TYPE 'A3' PARTITION SCHEDULED TO RECEIVE TILE WILL HAVE 1/2" TILE BACKER IN LIEU OF 5/8" GYP BD).
- REFER TO PARTITION HEAD DETAILS FOR CONSTRUCTION AT RATED PARTITIONS. WHERE A SPECIFIC DETAIL IS NOT PROVIDED, COORDINATE WITH ARCHITECT.
- ALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD. REFER TO PARTITION TYPE MATRICES FOR PARTITION WIDTH DIMENSIONS UNLESS INDICATED TO BE SHOWN ON PLANS.
- SEALANT-REFER TO THE SEALANT SCHEDULE FOR SEALANT TYPES AT ALL PARTITIONS. ALL PARTITIONS SHALL HAVE SCHEDULED SEALANT AT THE HEAD, SILL, THRU-PENETRATIONS, OPENINGS AND JUNCTURES WITH DISSIMILAR MATERIALS.
- INSULATION-REFER TO INSULATION SCHEDULE FOR INSULATION TYPE AT ALL PARTITIONS.
- FOR PARTITIONS DESIGNATED TO RECEIVE SOUND ATTENUATION BLANKETS (SAB), EXTEND SAB TO FULL HEIGHT OF PARTITION U.N.O. FLOOR TRACK TO BE SET IN A CONT BED OF SCHEDULED SEALANT.
- IF NO SYMBOL DESIGNATION IS PROVIDED, STUD WALLS SHALL BE TYPE A3 AND MASONRY WALLS SHALL BE TYPE F8.
- REFER TO SPECIFICATIONS MINIMUM STUD THICKNESS, MAXIMUM SPACING AND ALLOWABLE LIMITING HEIGHTS AND DEFLECTION CRITERIA FOR GYPSUM BOARD ASSEMBLIES.
- FIRE RESISTANT AND SMOKE RESISTANT SMOKE BARRIER RATINGS ARE TO SURROUND ALL OPENINGS IN RATED PARTITIONS.
- SMOKE RESISTANT, FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER PARTITIONS SHALL EXTEND AND SEAL TO THE INSIDE FACE OF EXTERIOR SHEATHING, INCLUDING EXTENSIONS THROUGH SOFFITS.
- EACH NEW FIRE WALL, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING, "FIRE AND SMOKE BARRIER- PROTECT ALL OPENINGS." SUCH SIGNS OR STENCILING SHALL BE IN 1/4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON CENTER OR AS REQUIRED BY LOCAL CODE.
- REFER TO STRUCTURAL DRAWINGS FOR REINFORCING INFORMATION.
- REFER TO CASEWORK AND TOILET ACCESSORY SHEETS FOR MOUNTING INFORMATION AND BACKING REQUIREMENTS.
- DO NOT UTILIZE BULLNOSE BLOCK AT CMU WALLS DESIGNATED TO RECEIVE CORNER GUARDS.
- ALL PENETRATIONS THRU FIRE OR SMOKE RATED PARTITION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE PARTITION RATING. REFER TO SEALANT SCHEDULE.
- ALL PENETRATIONS THRU SOUND RATED PARTITION SHALL BE SEALED TO MAINTAIN THE INTEGRITY OF THE PARTITION RATING. REFER TO SEALANT SCHEDULE.

PARTITION TYPE Z

REFER TO PARTITION HEAD DETAILS

SLIP TRACK / MTL RUNNER

RIGID INSULATION AS SCHED.

5/8" GYP BD AS SCHED. JOINTS STAGGERED 24" EACH LAYER AND SIDE

REFER TO INSULATION SCHEDULE FOR REQD INSUL / SOUND ATTENUATION BATTS

5/8" FIBERGLASS-REINFORCED GYP SHEATHING ON EXTERIOR SIDE, STAGGER JOINTS

MTL RUNNER

SEALANT, BOTH SIDES

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

PARTITION TYPE W

REFER TO PARTITION HEAD DETAILS

CLNG

5/8" GYP BD AS SCHED

SEMI-RIGID INSULATION, PROVIDE R-5.7 MIN. (CONTINUOUS ENVELOPE), CONTINUE INSULATION TO UNDERSIDE OF THE DECK.

MTL RUNNER

SEALANT, BOTH SIDES

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

PARTITION TYPE J

REFER TO PARTITION HEAD DETAILS

CLNG

5/8" GYP BD AS SCHED

MTL RUNNER

SEALANT, BOTH SIDES

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

PARTITION TYPE H

CLNG

CORNER BEAD

MTL RUNNER

5/8" GYP BD AS SCHED EACH SIDE

MF-09 SEE METAL FABRICATION DETAILS

MTL RUNNER

SEALANT, BOTH SIDES

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

INDICATES HT OF PARTITION

PARTITION TYPE F

REFER TO PARTITION HEAD DETAILS

BACKER ROD & SEALANT AS SCHED AT NON-RATED PARTITIONS. SEE HEAD DETAILS FOR RATED PARTITIONS. SEE HEAD DETAILS / STRUCT FOR PARTITION SUPPORTS

CLNG

5/8" GYP BD AS SCHED

CORE-FILL INSULATION, REFER TO INSULATION SCHEDULE FOR REQD INSUL / SOUND ATTENUATION.

CMU

MORTAR JOINT

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

PARTITION TYPE E

REFER TO PARTITION HEAD DETAILS

SEALANT AS SCHED

SLIP TRACK / MTL RUNNER

BRACE EACH STUD AT 4'-0" VERTICALLY

CLNG

5/8" GYP BD AS SCHED

LINE OF STRUCT OR OTHER CONSTRUCTION PROVIDING BACK-UP FOR STUD BRACING

MTL RUNNER

SEALANT, BOTH SIDES

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

PARTITION TYPE C

REFER TO PARTITION HEAD DETAILS

CLNG

1" GYPSUM SHAFT LINER

5/8" GYP BD

REFER TO INSULATION SCHEDULE FOR REQD INSUL / SOUND ATTENUATION.

MTL SHAFTWALL RUNNER

SEALANT, BOTH SIDES

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

1-HOUR SHAFTWALL

PARTITION TYPE A

REFER TO PARTITION HEAD DETAILS

CLNG

SEALANT BOTH SIDES

SLIP TRACK / MTL RUNNER

5/8" GYP BD AS SCHED. JOINTS STAGGERED 24" EACH LAYER AND SIDE.

REFER TO INSULATION SCHEDULE FOR REQD INSUL / SOUND ATTENUATION.

MTL RUNNER

SEALANT, BOTH SIDES

FLOOR PLAN DESIGNATION

PARTITION TYPE

SIZE SUFFIX

DESIGN CRITERIA REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS

| RATING | UL DESIGN # | GRAPHIC | STC | STC W/ 3" SAB |
|------------|-------------|---------|-----|---------------|
| NON-RATED | N/A | | N/A | N/A |
| 1 HR. MIN. | U805 | | 45 | 53 |

CONSTRUCTION

| SUFFIX | STUD SIZE | OVERALL WIDTH | REMARKS |
|--------|-----------|---------------|---------|
| 3 | 3 5/8" | 4 7/8" | |
| 4 | 4" | 5 1/4" | |
| 6 | 6" | 7 1/4" | |
| 8 | 8" | 9 1/4" | |

DESIGN CRITERIA REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS

| RATING | UL DESIGN # | GRAPHIC | STC | STC W SOUND |
|------------|-------------|---------|-----|-------------|
| NON-RATED | N/A | | 45 | 53 |
| SMOKE RES. | N/A | | 45 | 53 |
| 1 HR. MIN. | U805 | | 45 | 53 |

CONSTRUCTION

| SUFFIX | CMU WIDTH | OVERALL WIDTH | REMARKS |
|--------|-----------|---------------|---------------------------------------------|
| 4 | 3 5/8" | 3 5/8" * | * SOLID UNITS ONLY AT RATED WALL |
| 6 | 5 5/8" | 5 5/8" ** | ** SEE EQUIV. THICKNESS TABLE AT RATED WALL |
| 8 | 7 5/8" | 7 5/8" | |
| 10 | 9 5/8" | 9 5/8" | |
| 12 | 11 5/8" | 11 5/8" | |

DESIGN CRITERIA REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS

| RATING | UL DESIGN # | GRAPHIC | STC | STC W/ 3" SAB |
|-----------|-------------|---------|-----|---------------|
| NON-RATED | N/A | | N/A | N/A |

CONSTRUCTION

| SUFFIX | STUD SIZE | OVERALL WIDTH | REMARKS |
|--------|------------------|---------------|---------|
| 0 | 7/8" HAT CHANNEL | 1 1/2" | |
| 1 | 1 5/8" | 3" | |
| 2 | 2 1/2" | 4" | |
| 3 | 3 5/8" | 5" | |
| 4 | 4" | 6" | |
| 6 | 6" | 8" | |

DESIGN CRITERIA REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS

| RATING | UL DESIGN # | GRAPHIC | STC | STC W/ 3" SAB |
|--------|-----------------|---------|-----|---------------|
| 1 HR. | U415 - SYSTEM A | | 40 | 49 |

CONSTRUCTION

| SUFFIX | STUD SIZE | OVERALL WIDTH | REMARKS |
|--------|-----------|---------------|--------------------------------------------------------------------------|
| 2 | 2 1/2" | 4 1/8" | AT WALLS TO RECEIVE TILE USE U415 - SYSTEM D, ADD THICKNESS OF CEMENT BD |
| 4 | 4" | 5 5/8" | |
| 6 | 6" | 7 5/8" | |

DESIGN CRITERIA REFER TO LIFE SAFETY PLANS FOR PARTITION RATINGS

| RATING | UL DESIGN # | GRAPHIC | STC | STC W/ 3" SAB |
|------------|-------------|---------|-----|---------------|
| NON-RATED | N/A | | 40 | 49 |
| SMOKE RES. | N/A | | 40 | 49 |
| 30 MIN | U423 | | 40 | 49 |

CONSTRUCTION

| SUFFIX | STUD SIZE | OVERALL WIDTH | REMARKS |
|--------|-----------|---------------|--------------------------------------------------------------|
| 1 | 1 5/8" | 2 7/8" * | * REFER TO UL FOR MIN. GYP BD THICKNESS AND REQD INSULATION. |
| 2 | 2 1/2" | 3 3/4" ** | |
| 3 | 3 5/8" | 4 7/8" | |
| 4 | 4" | 5 1/4" | |
| 6 | 6" | 7 1/4" | |
| 8 | 8" | 9 1/4" | |

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PARTITION TYPES & NOTES

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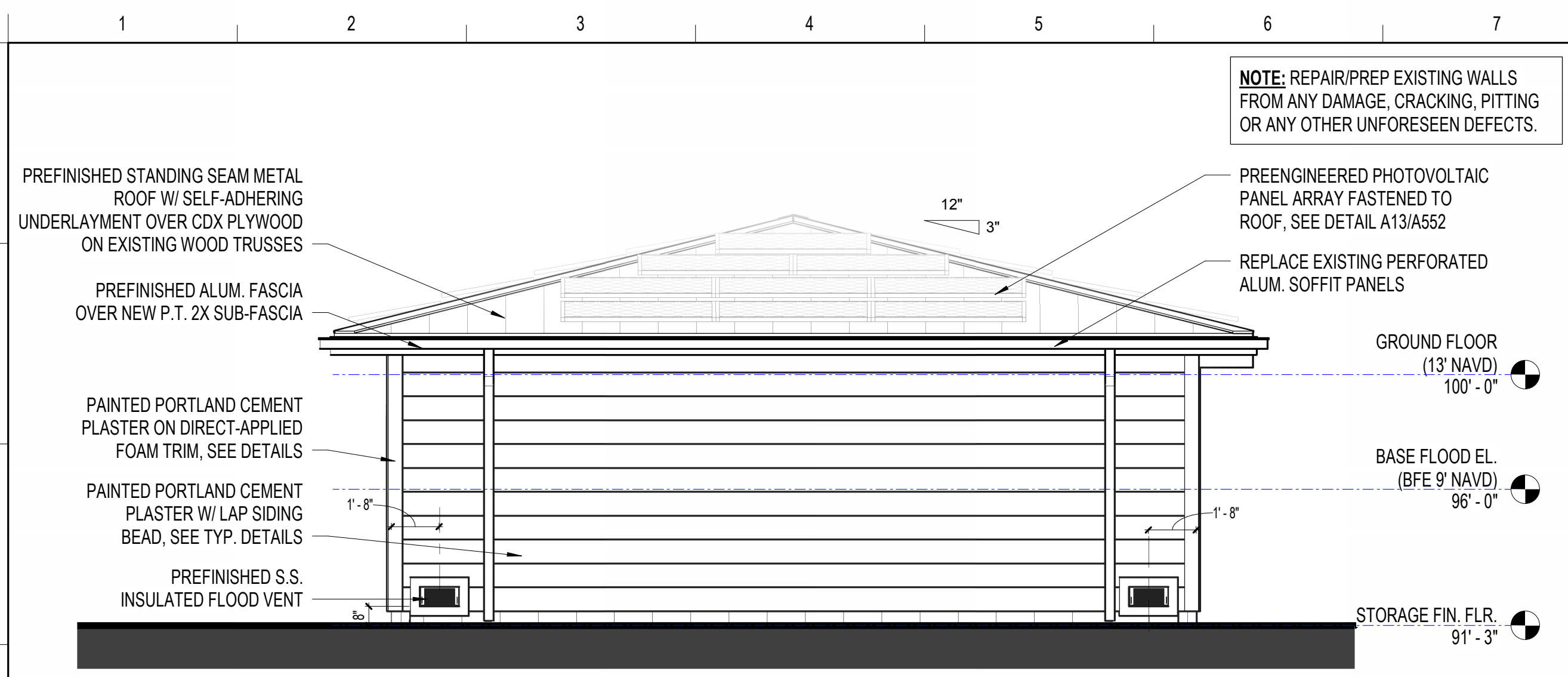
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SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957

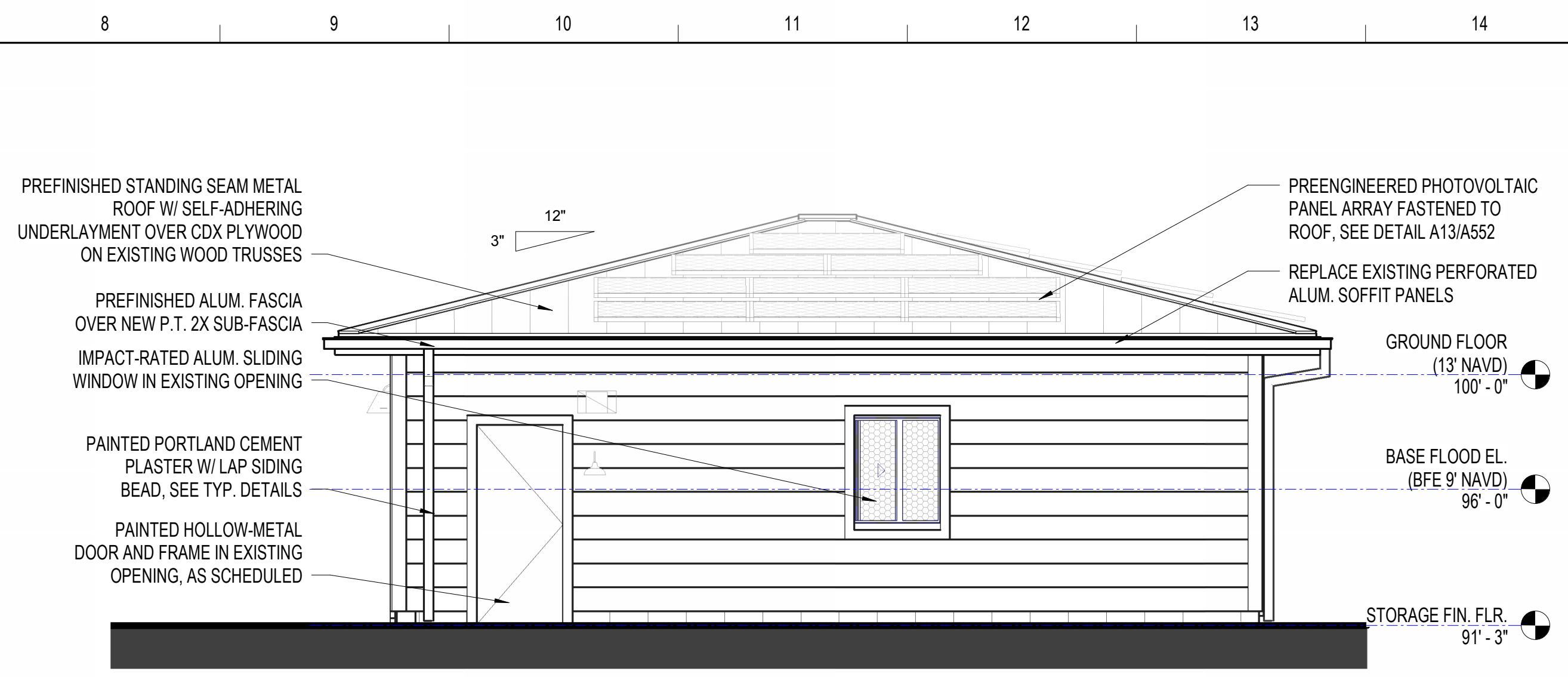


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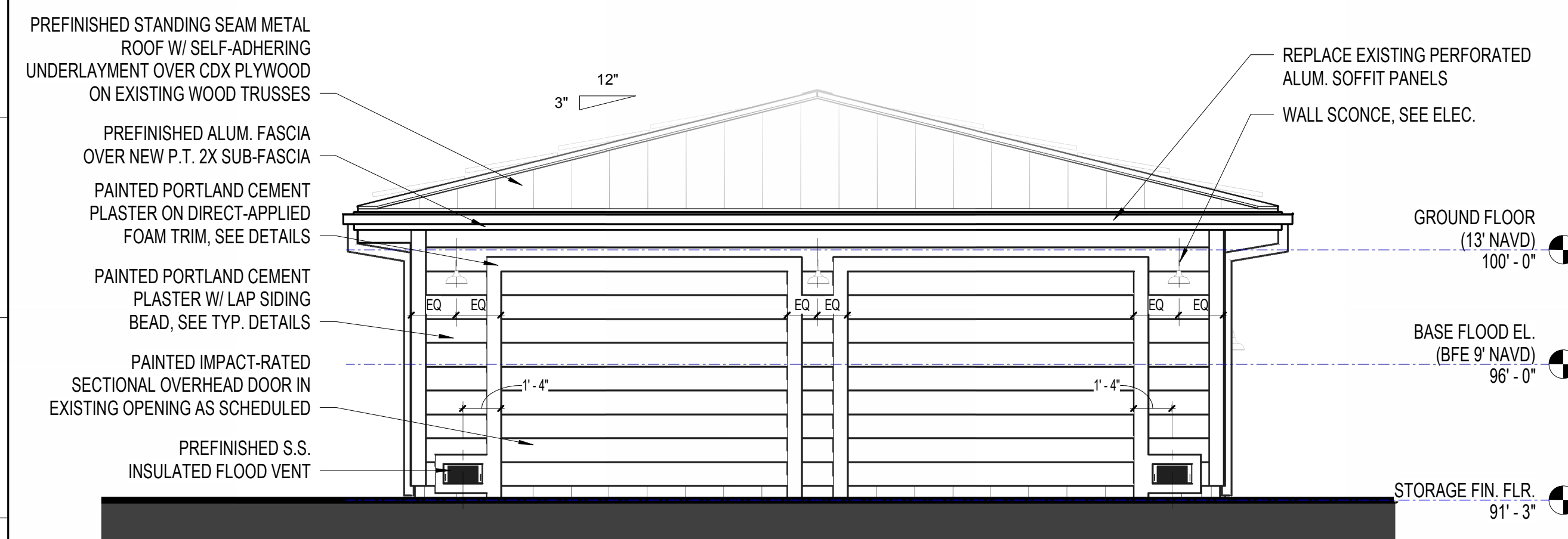
N1 STORAGE BUILDING - REAR ELEVATION

1/4" = 1'-0"



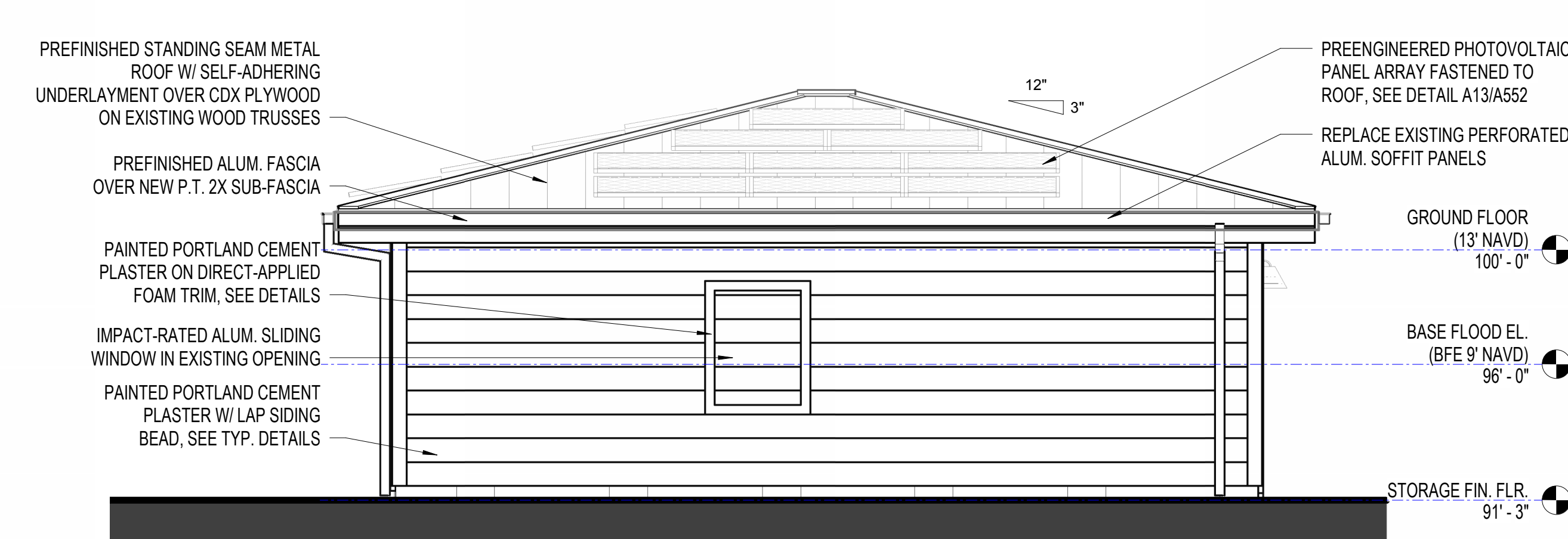
N8 STORAGE BUILDING - SIDE ELEVATION

1/4" = 1'-0"



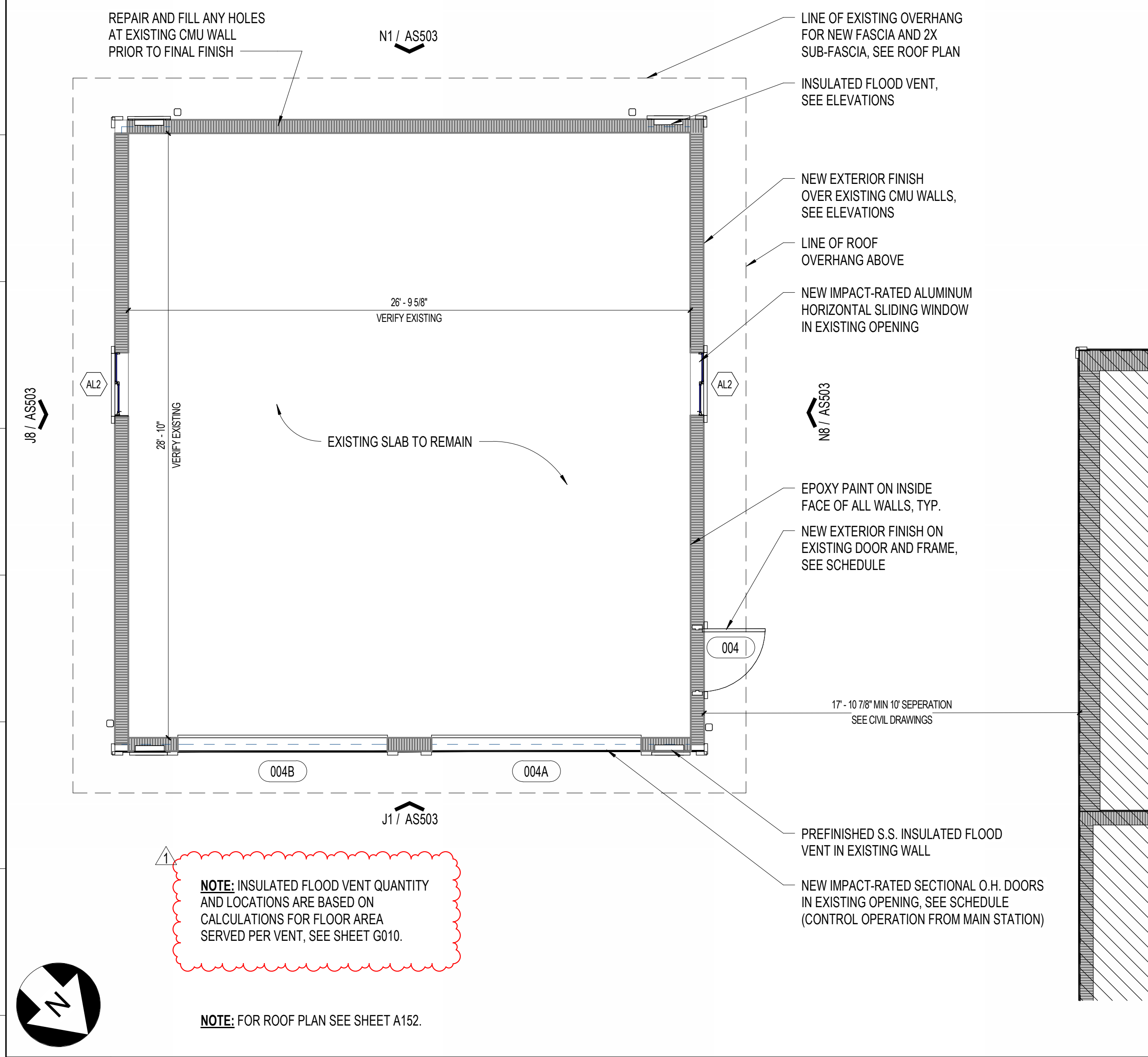
J1 STORAGE BUILDING - FRONT ELEVATION

1/4" = 1'-0"



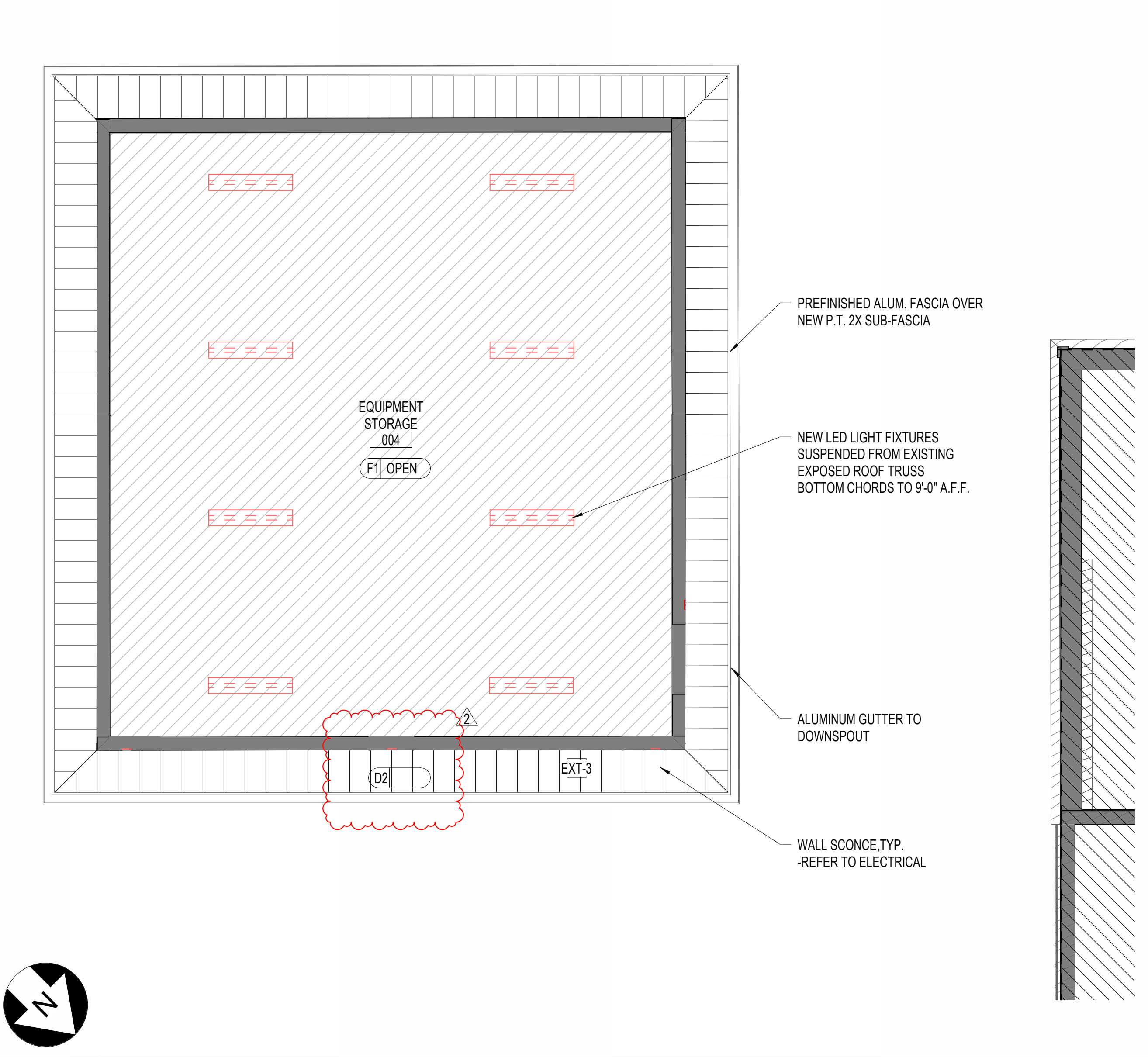
J8 STORAGE BUILDING - SIDE ELEVATION

1/4" = 1'-0"



A1 FLOOR PLAN - STORAGE BUILDING

1/4" = 1'-0"



A8 REFLECTED CEILING PLAN - STORAGE BUILDING

1/4" = 1'-0"

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| 1 | PERSET COMMENTS | 05/14/24 |
| 2 | ADDED NOTES | 05/16/24 |

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SITE DETAILS - EXISTING STORAGE BUILDING

AS503

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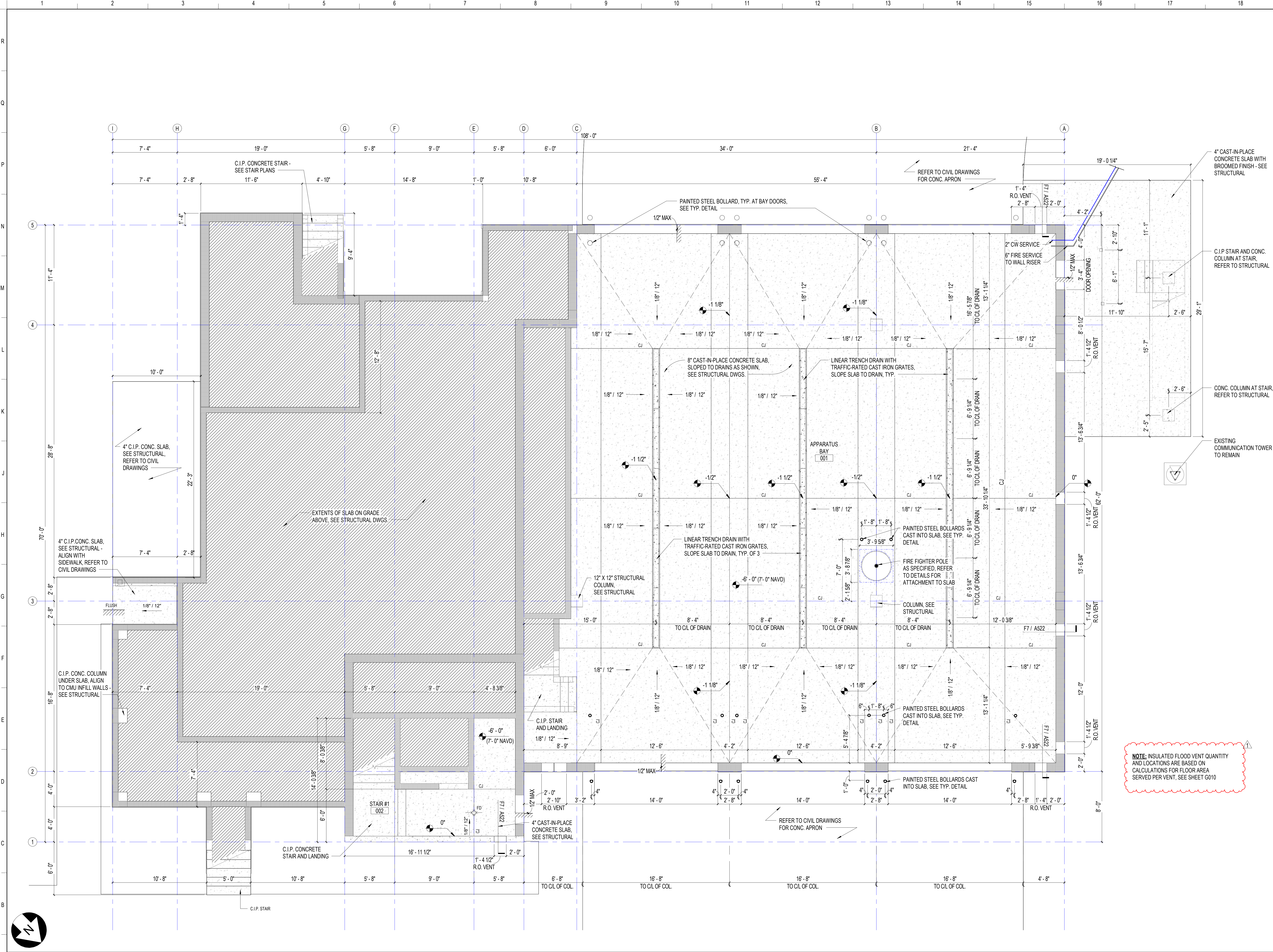
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NOTE: INSULATED FLOOD VENT QUANTITY AND LOCATIONS ARE BASED ON CALCULATIONS FOR FLOOR AREA SERVED PER VENT. SEE SHEET G010

A1 SLAB PLAN - APPARATUS BAY

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**SLAB PLAN - APPARATUS
BAY**

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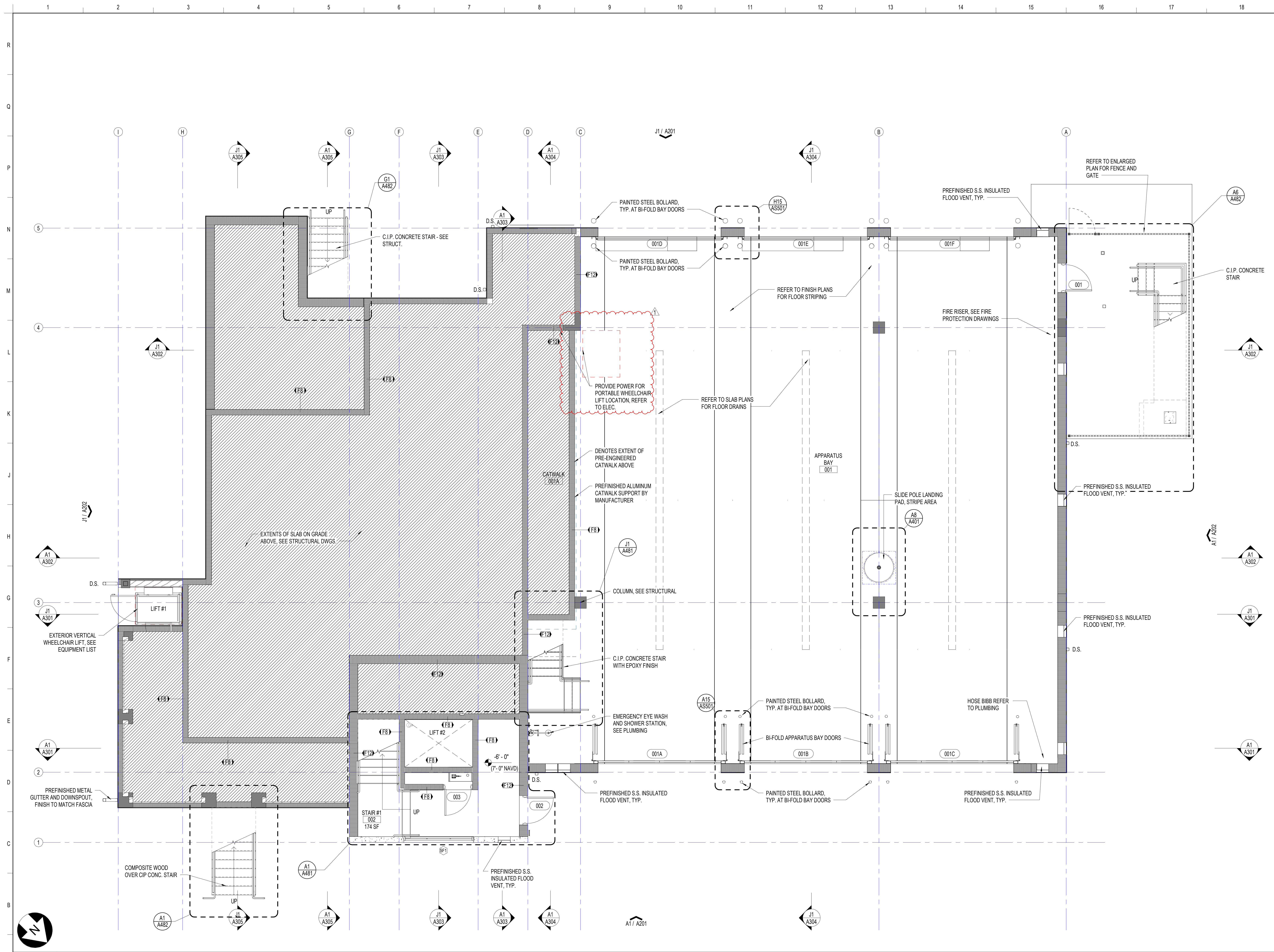
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A1 FLOOR PLAN - APPARATUS BAY

1/4" = 1'-0"

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**ARCHITECTURAL PLAN -
APPARATUS BAY**

A100

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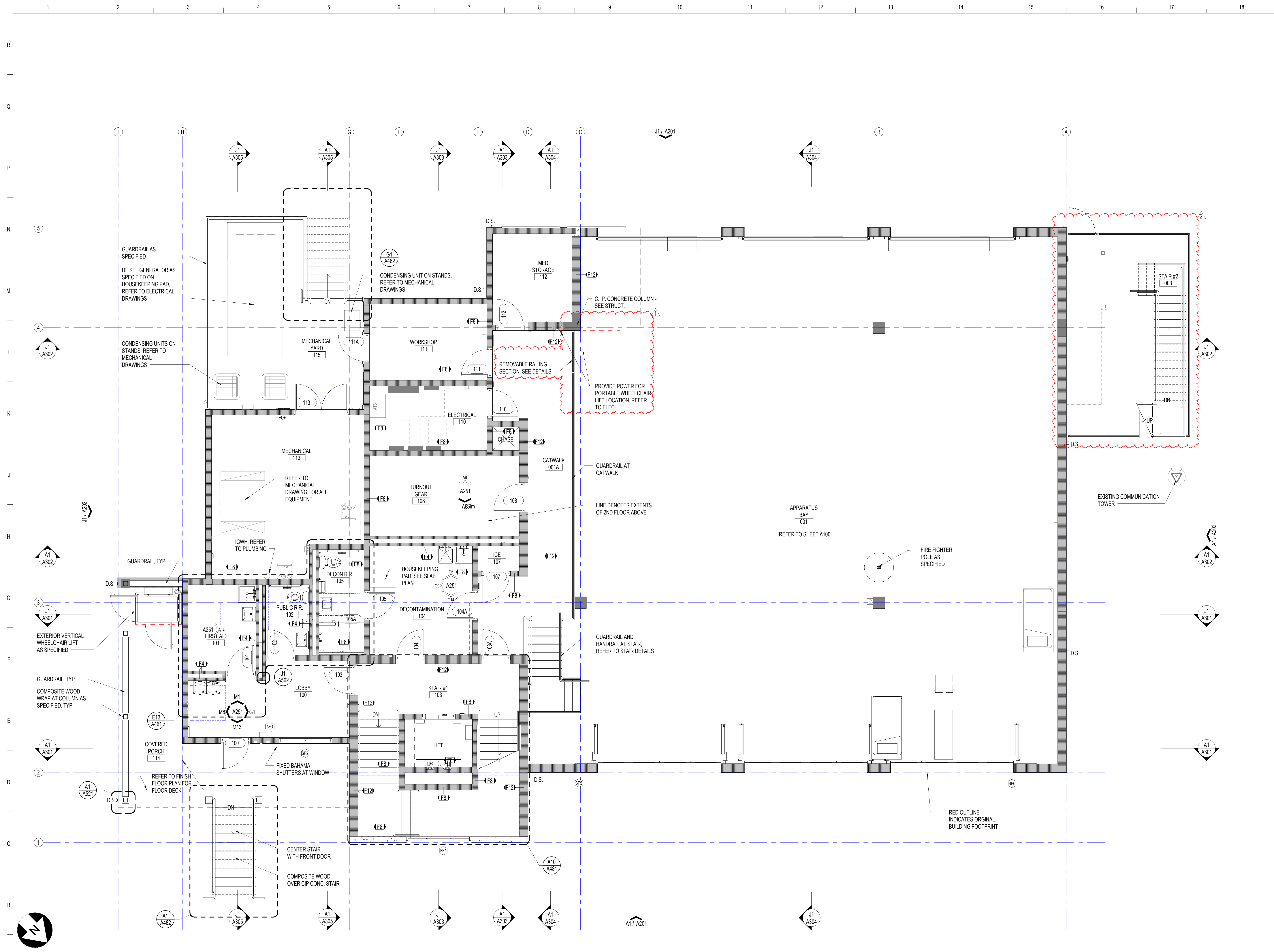
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| 2 | ADDED RAILING | 05/16/24 |



A1 FLOOR PLAN - FIRST FLOOR
1/4" = 1'-0"

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**ARCHITECTURAL PLAN -
FIRST FLOOR**

A101

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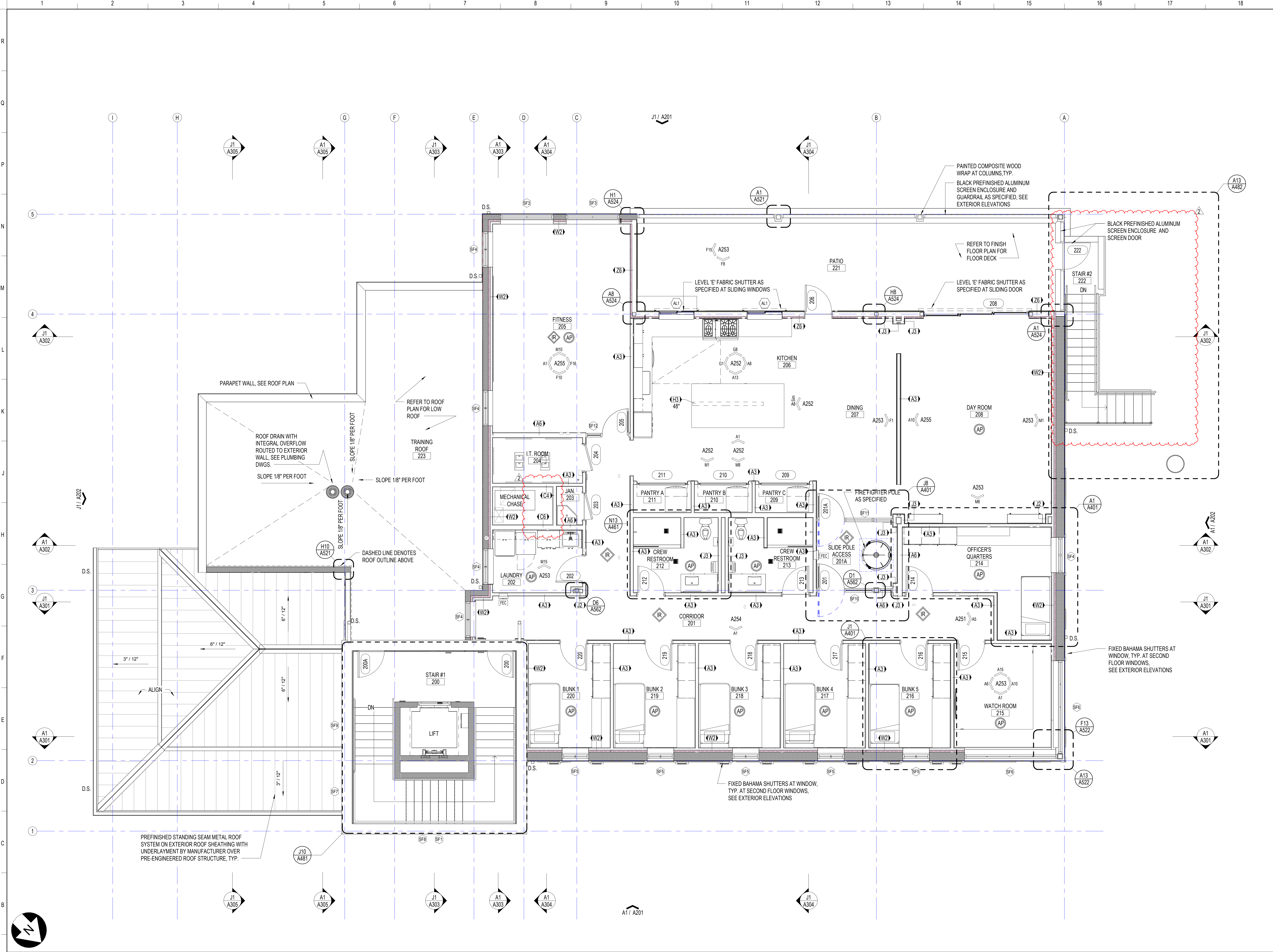
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| 2 | ADDENDUM #2 | 02.19.24 |



PREFINISHED STANDING SEAM METAL ROOF SYSTEM ON EXTERIOR ROOF SHEATHING WITH UNDERLAYMENT BY MANUFACTURER OVER PRE-ENGINEERED ROOF STRUCTURE, TYP.

PARAPET WALL, SEE ROOF PLAN
ROOF DRAIN WITH INTEGRAL OVERFLOW ROUTED TO EXTERIOR WALL, SEE PLUMBING DWGS.
SLOPE 1/8" PER FOOT

REFER TO ROOF PLAN FOR LOW ROOF

DASHED LINE DENOTES ROOF OUTLINE ABOVE

PAINTED COMPOSITE WOOD WRAP AT COLUMNS, TYP.
BLACK PREFINISHED ALUMINUM SCREEN ENCLOSURE AND GUARDRAIL, AS SPECIFIED, SEE EXTERIOR ELEVATIONS

BLACK PREFINISHED ALUMINUM SCREEN ENCLOSURE AND SCREEN DOOR

REFER TO FINISH FLOOR PLAN FOR FLOOR DECK

LEVEL 'E' FABRIC SHUTTER AS SPECIFIED AT SLIDING WINDOWS

LEVEL 'E' FABRIC SHUTTER AS SPECIFIED AT SLIDING DOOR

FIXED BAHAMA SHUTTERS AT WINDOW, TYP. AT SECOND FLOOR WINDOWS, SEE EXTERIOR ELEVATIONS

FIXED BAHAMA SHUTTERS AT WINDOW, TYP. AT SECOND FLOOR WINDOWS, SEE EXTERIOR ELEVATIONS

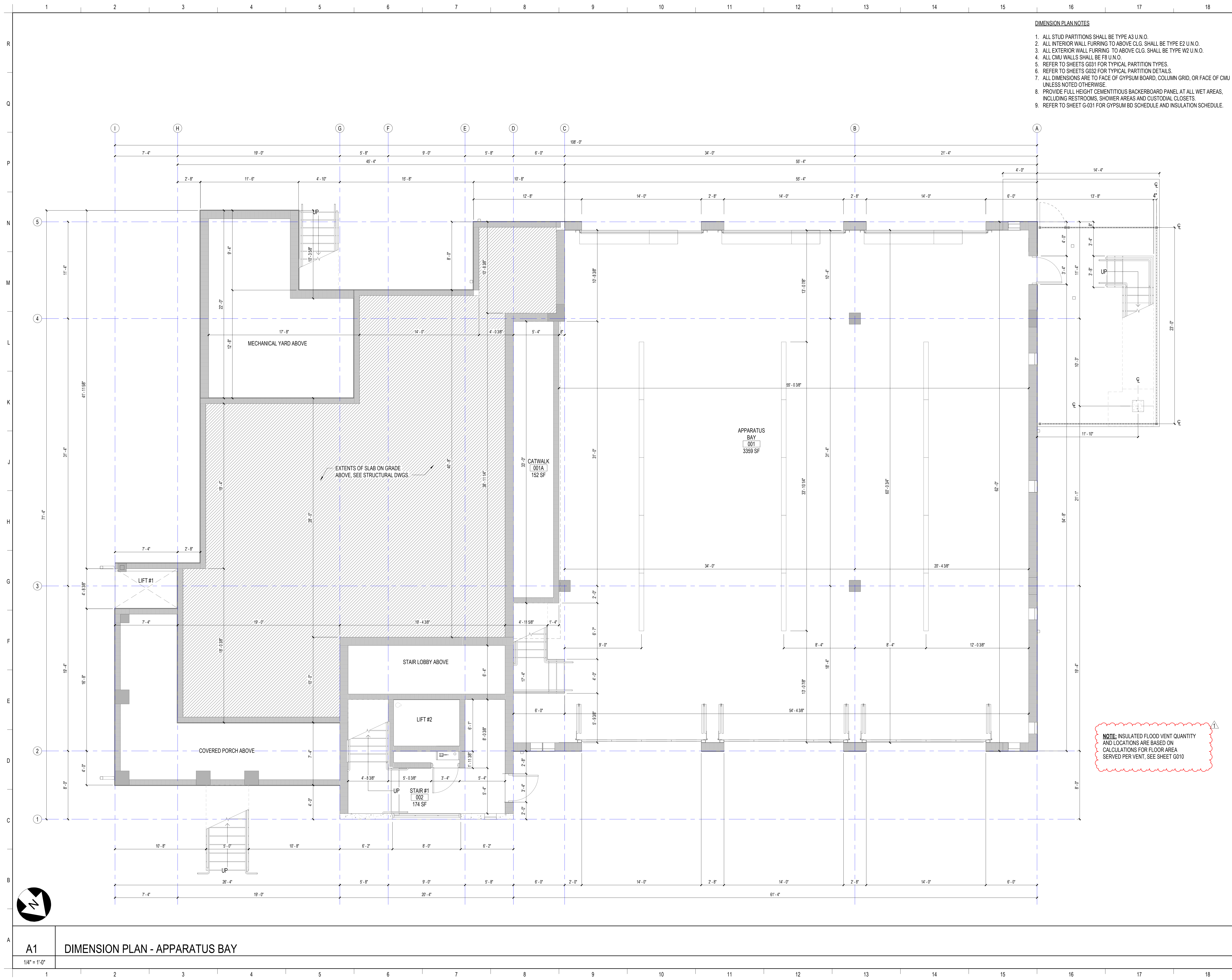
A1 FLOOR PLAN - SECOND FLOOR
1/4" = 1'-0"

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**ARCHITECTURAL PLAN -
SECOND FLOOR**

A102
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DIMENSION PLAN NOTES

1. ALL STUD PARTITIONS SHALL BE TYPE A3 U.N.O.
2. ALL INTERIOR WALL FURRING TO ABOVE CLG. SHALL BE TYPE E2 U.N.O.
3. ALL EXTERIOR WALL FURRING TO ABOVE CLG. SHALL BE TYPE W2 U.N.O.
4. ALL CMU WALLS SHALL BE F8 U.N.O.
5. REFER TO SHEETS G031 FOR TYPICAL PARTITION TYPES.
6. REFER TO SHEETS G032 FOR TYPICAL PARTITION DETAILS.
7. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD, COLUMN GRID, OR FACE OF CMU UNLESS NOTED OTHERWISE.
8. PROVIDE FULL HEIGHT CEMENTITIOUS BACKERBOARD PANEL AT ALL WET AREAS, INCLUDING RESTROOMS, SHOWER AREAS AND CUSTODIAL CLOSETS.
9. REFER TO SHEET G-031 FOR GYPSUM BD SCHEDULE AND INSULATION SCHEDULE.



SANIBEL FIRE & RESCUE DISTRICT
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**SANIBEL FIRE AND RESCUE
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NOTE: INSULATED FLOOD VENT QUANTITY AND LOCATIONS ARE BASED ON CALCULATIONS FOR FLOOR AREA SERVED PER VENT, SEE SHEET G010

A1 DIMENSION PLAN - APPARATUS BAY
1/4" = 1'-0"

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**DIMENSION PLAN -
APPARATUS BAY**

A120
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| | | |
|--|-----------|------------------------------------------------------------------------------------------|
| | A1 VARIES | 24" x 24" ROCKFON SONAR SQ. TEGULAR NARROW, 0.95 NRC |
| | C1 VARIES | 5/8" GYPSUM BD ON 3-5/8" METAL STUD FRAMING |
| | D2 VARIES | PRE-FINISHED ALUMINUM SOFFIT OVER EXISTING WOOD ROOF TRUSSES |
| | F1 VARIES | EXPOSED STRUCTURE, PAINT ALL SIDES |
| | M1 VARIES | PAINTED COMPOSITE WOOD BEADBOARD SOFFIT PANEL OVER 3/4" CDX PLYWOOD SUBSTRATE - EXTERIOR |

| | | |
|--|-----------|---------------------------------------------|
| | S2 VARIES | PAINTED WOOD PLANK ON 7/8" HAT CHANNEL GRID |
| | S1 VARIES | FAUX WOOD BEAM SYSTEM |
| | C2 VARIES | MOZ CORRUGATED PANEL |

CEILING GENERAL NOTES

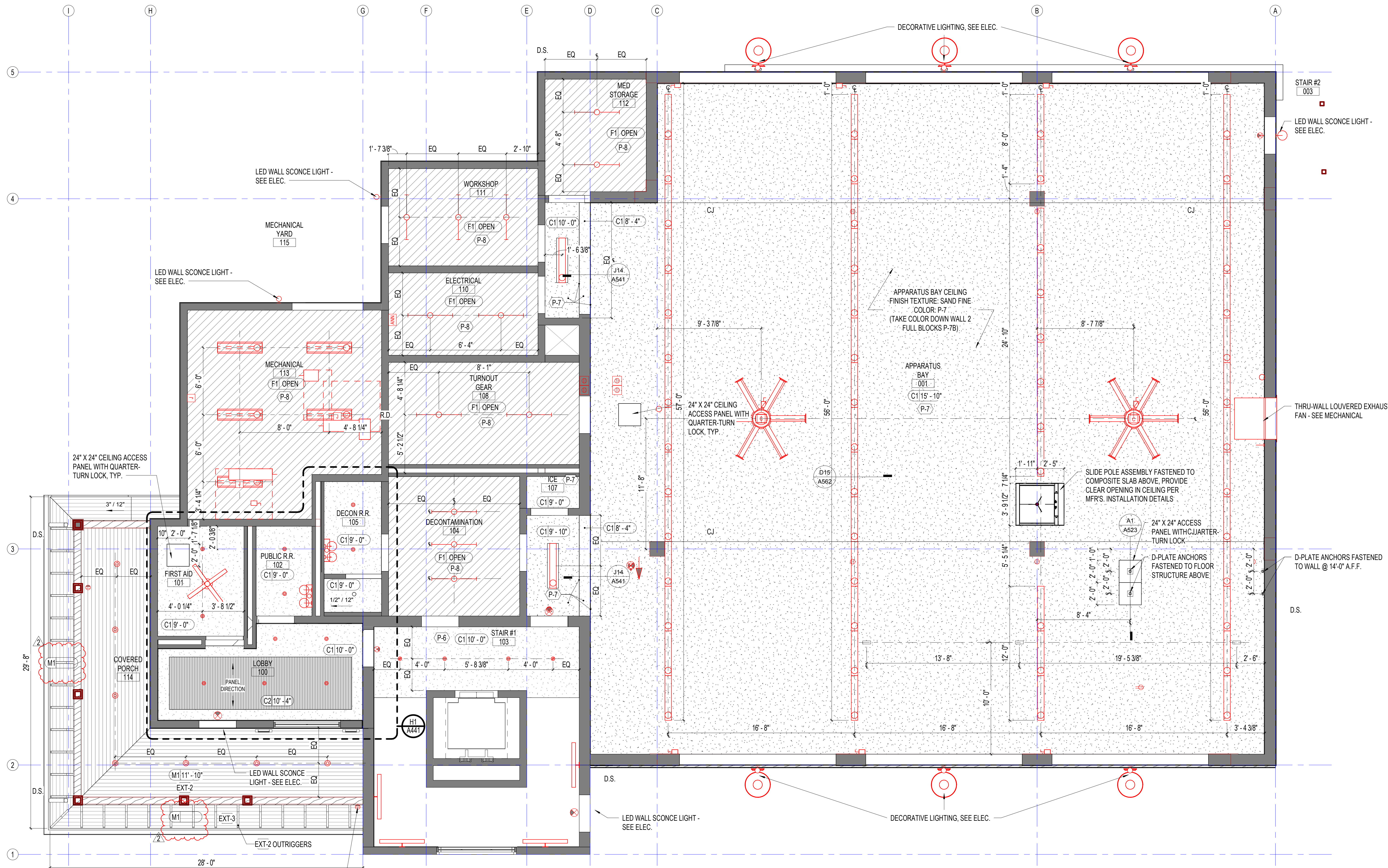
1. ALL DIMENSIONS ARE TO THE CENTERLINE OF DEVICE. TYPICAL.
2. ALL SOFFITS/CASED OPENINGS ARE TO ALIGN WITH THE FINISHED FACE OF ADJACENT WALLS, U.N.O.
3. ALL DEVICES ARE TO BE CENTERED IN CEILING TILES WHERE APPLICABLE, UNLESS NOTED OTHERWISE.
4. SEE CONSULTANT DOCUMENTS FOR THE LOCATIONS OF ALL WALL-MOUNTED DEVICES. COORDINATE ALIGNMENT OF WALL DEVICES WITH EACH OTHER AND CEILING DEVICES WHERE POSSIBLE.
5. ALIGN DEVICES AS INDICATED WITH CENTERLINES.
6. ALL CEILING HEIGHTS ARE TO THE FINISHED FACE OF THE CEILING PLANE.
7. ARCHITECTURAL CEILING PLANS DO NOT INDICATE ALL DEVICES IN THE CEILING/PROJECT. REFER TO MEP DRAWINGS FOR ADDITIONAL DEVICES.
8. ALL STRUCTURE (INCLUDING BOTTOM OF DECK), CONDUIT, HVAC DUCTWORK, EQUIPMENT SUPPORTS, CABLE TRAY, DEVICES, CEILING SUPPORT SYSTEMS, ETC ABOVE OPEN CLG AREAS TO BE PAINTED.
9. FANS TO BE CENTERED IN ROOM U.N.O.
10. REFER TO FINISH SCHEDULE FOR CEILING FINISHES U.N.O. ON RCP, INTERIOR ON A160, EXTERIOR A200

CEILING LEGEND AND NOTES

FIXTURE LEGEND

| INDICATION | DESCRIPTION |
|------------|-------------------------------------------|
| | RECESSED PIN LIGHT |
| | RECESSED DOWNLIGHT |
| | ANGLED RECESSED DOWNLIGHT |
| | EXIT SIGN |
| | FIRE SPRINKLER |
| | DATA DEVICE |
| | UNDER CABINET LIGHTING |
| | RECESSED LINEAR LIGHT |
| | SUSPENDED LINEAR LIGHT FIXTURE |
| | SUSPENDED PENDANT LIGHT FIXTURE |
| | VANITY WALL SCONCE |
| | CEILING ACCESS PANEL/ AFFLE PLENUM ACCESS |
| | WALL MOUNTED LINEAR FIXTURE |
| | WALL SCONCE |
| | 2X2 LIGHT |
| | AIR SUPPLY DIFFUSER |
| | AIR RETURN DIFFUSER |
| | EXHAUST FAN |
| | LINEAR AIR SUPPLY DIFFUSER |
| | CAMERA |
| | SPEAKER |
| | FIRE ALARM DEVICE |
| | SMOKE DETECTOR |
| | FAN |
| | FAN |

NOTE: SEE MEP DRAWINGS FOR MORE SYMBOLS



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SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
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REFLECTED CEILING PLAN - APPARATUS LEVEL & FIRST FLOOR

A141

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**SANIBEL FIRE AND RESCUE
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| 2 | ADJUSTMENTS | 05/16/24 |

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**REFLECTED CEILING PLAN -
SECOND FLOOR**

A142
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CEILING GENERAL NOTES

1. ALL DIMENSIONS ARE TO THE CENTERLINE OF DEVICE. TYPICAL.
2. ALL SOFFITS/CASED OPENINGS ARE TO ALIGN WITH THE FINISHED FACE OF ADJACENT WALLS. U.N.O.
3. ALL DEVICES ARE TO BE CENTERED IN CEILING TILES WHERE APPLICABLE, UNLESS NOTED OTHERWISE.
4. SEE CONSULTANT DOCUMENTS FOR THE LOCATIONS OF ALL WALL-MOUNTED DEVICES. COORDINATE ALIGNMENT OF WALL DEVICES WITH EACH OTHER AND CEILING DEVICES WHERE POSSIBLE.
5. ALIGN DEVICES AS INDICATED WITH CENTERLINES.
6. ALL CEILING HEIGHTS ARE TO THE FINISHED FACE OF THE CEILING PLANE.
7. ARCHITECTURAL CEILING PLANS DO NOT INDICATE ALL DEVICES IN THE CEILING/PROJECT. REFER TO MEPP DOCUMENTS FOR ADDITIONAL DEVICES.
8. ALL STRUCTURE (INCLUDING BOTTOM OF DECK, CONDUIT, HVAC DUCTWORK, EQUIPMENT SUPPORTS, CABLE TRAY, DEVICES, CEILING SUPPORT SYSTEMS, ETC ABOVE OPEN CLG AREAS TO BE PAINTED.
9. FANS TO BE CENTERED IN ROOM U.N.O.
10. REFER TO FINISH SCHEDULE FOR CEILING FINISHES U.N.O. ON RCP. INTERIOR ON A160, EXTERIOR A200

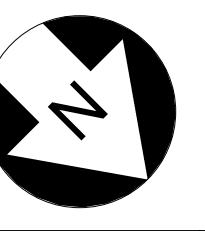
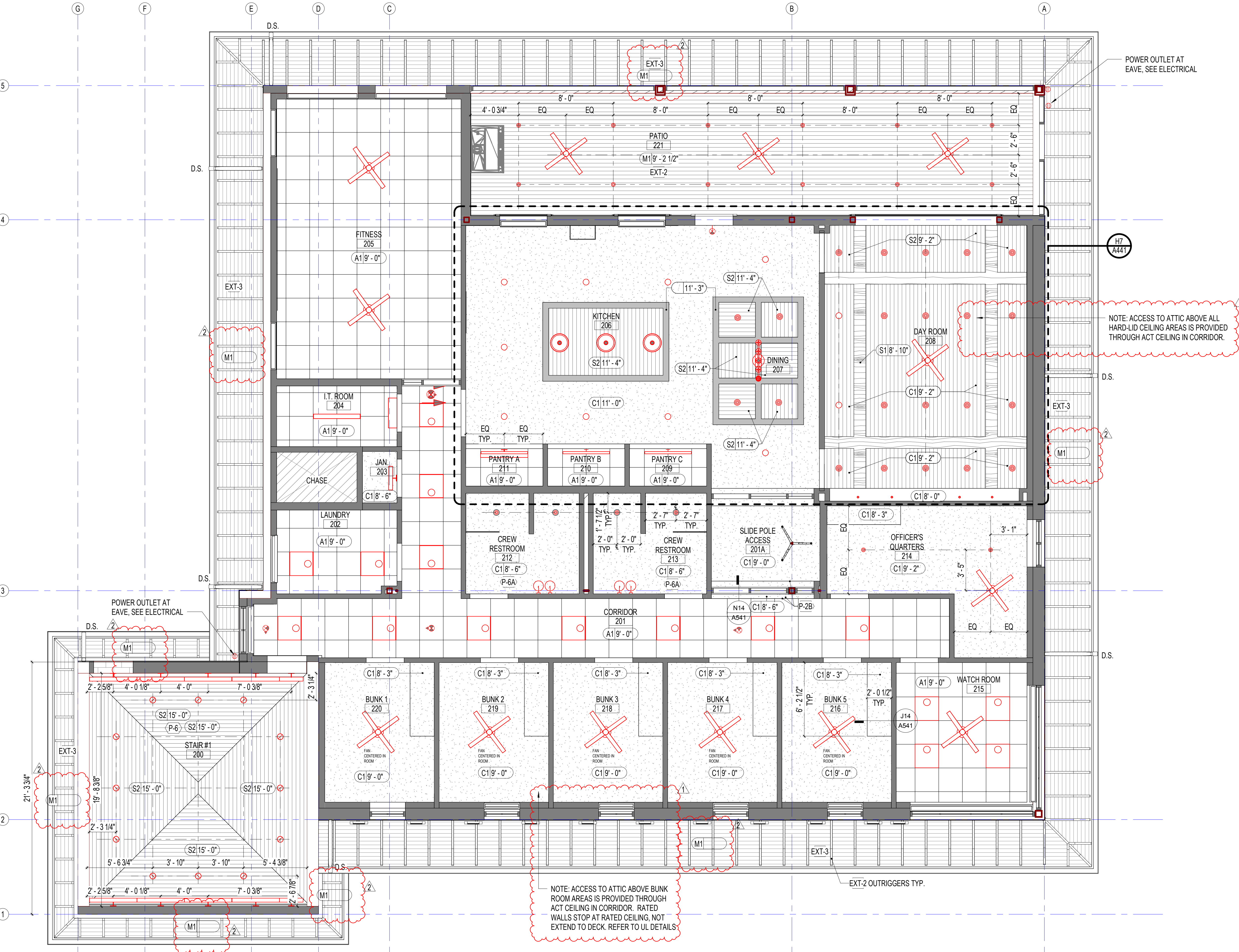
CEILING LEGEND AND NOTES

- A1 VARIES 24" x 24" ROCKFON SONAR SQ. TEGULAR NARROW, 0.95 NRC
- C1 VARIES 5/8" GYPSUM BD ON 3-5/8" METAL STUD FRAMING
- D2 VARIES PRE-FINISHED ALUMINUM SOFFIT OVER EXISTING WOOD ROOF TRUSSES
- F1 VARIES EXPOSED STRUCTURE, PAINT ALL SIDES
- M1 VARIES PAINTED COMPOSITE WOOD BEADBOARD SOFFIT PANEL OVER 3/4" CDX PLYWOOD SUBSTRATE - EXTERIOR
- S2 VARIES PAINTED WOOD PLANK ON 7/8" HAT CHANNEL GRID
- S1 VARIES FAUX WOOD BEAM SYSTEM
- C2 VARIES M02 CORRUGATED PANEL

FIXTURE LEGEND

- INDICATION DESCRIPTION
- RECESSED PIN LIGHT
- RECESSED DOWNLIGHT
- ANGLED RECESSED DOWNLIGHT
- EXIT SIGN
- FIRE SPRINKLER
- DATA DEVICE
- UNDER CABINET LIGHTING
- RECESSED LINEAR LIGHT
- SUSPENDED LINEAR LIGHT FIXTURE
- SUSPENDED PENDANT LIGHT FIXTURE
- VANITY WALL SCONCE
- CEILING ACCESS PANEL/ BAFFLE PLENUM ACCESS
- WALL MOUNTED LINEAR FIXTURE
- WALL SCONCE
- 2X2 LIGHT
- AIR SUPPLY DIFFUSER
- AIR RETURN DIFFUSER
- EXHAUST FAN
- LINEAR AIR SUPPLY DIFFUSER
- CAMERA
- SPEAKER
- FIRE ALARM DEVICE
- SMOKE DETECTOR
- FAN
- FAN

NOTE: SEE MEP DRAWINGS FOR MORE SYMBOLS



A1 REFLECTED CEILING PLAN - SECOND FLOOR

1/4" = 1'-0"

FLOOR FINISH LEGEND

Table with 2 columns: Finish Code, Description. Includes items like FLOOR FINISH LVT-1, FLOOR FINISH WOOD EPX-1, FLOOR FINISH EPX-2, etc.

Table with 2 columns: Code, Description. Includes items like 1 LVT/RF TO EPX - D1 / A160, 2 LVT TO C - A1 / A160, etc.

GENERAL FINISH NOTES

- 1. REFER TO ARCHITECTURAL AREA PLANS FOR INTERIOR ELEVATION TAGS.
2. REFER TO FINISH LEGEND & CODE SCHEDULES FOR FINISH TAG DESIGNATIONS.
3. REFER TO G-001 FOR WALL FINISH TAG DESCRIPTIONS.
4. REFER TO SHEET A160 FOR ALL INTERIOR TRANSITION DETAILS.
5. ANY LOCATION WHERE TWO FLOORING FINISHES COME IN A DOORWAY, EXTEND THE FLOORING TO MEET AT CENTERLINE OF DOOR.
6. FOR TRANSITIONS OF DIFFERENT THICKNESS, USE FLOOR LEVELING TRANSITION MATERIAL AND FEATHER OUT OVER 2'-0" TO PROVIDE AN EVEN TRANSITION.
7. MINIMAL TILE CUTS TO BE MADE IN THE MOST DISCRETE LOCATION ON WALLS. NO CUT TILES.
8. PROVIDE 24" HIGH BRUSHED ALUM. BACKSPLASH WALL PANELS AT ALL CUSTODIAL MOP SINKS. EXTEND 12" BEYOND FACE OF MOP SINK, CAULK ALL EDGES AND CORNERS.
9. PAINT RECESSED ELECTRICAL PANELS TO MATCH ADJACENT WALL.
10. ALL VINYL WALL BASE TO BE INSTALLED IN LENGTHS AS LONG AS FEASIBLE WITHOUT GAPS AT SEAMS. TOP OF BASE TO ALIGN WITH ADJACENT PIECE.
11. PROVIDE CORNER GUARDS AT ALL EXPOSED EXTERIOR CORNERS IN CORRIDORS (2' WINGS TO 4' H AFF. REFER TO FIN. SCHEDULE FOR SPECIFICATIONS).
12. CONTRACTOR TO SECURE SIZE AND THICKNESS OF MATERIAL FROM MANUFACTURER.
13. VERIFY FLOORING CONDITIONS PRIOR TO INSTALLATION.
14. REFER TO FINISH SCHEDULE FOR DOOR PANEL AND WINDOW TRIM PAINT COLORS.
15. ALL PLAM CABINETS AND COUNTERTOPS TO HAVE MATCHING PVC EDGE BANDING U.N.O.
16. ALL SWITCH AND OUTLET PLATES TO BE WHITE U.N.O.
17. ALL WINDOW SILLS TO BE SSM-1 U.N.O.
18. OUTLETS/ SWITCHPLATES SHALL NOT CUT THROUGH TOP OF EPOXY OR TOP CAP. MOVE DOWN AS REQ.
19. OUTLETS/ SWITCHPLATES SHALL NOT CUT THROUGH CORNER GUARD. MOVE AS REQ.

ABBREVIATION KEY

- B - BASE (INCLUDES VINYL, WOOD, RUBBER, TILE, ETC.)
C - CONCRETE (SEALED, POLISHED, STAINED, BROOMED)
EPX - EPOXY SURFACES
GD - GRAIN DIRECTION
LOGO - EPOXY LOGO
LVT - LUXURY VINYL TILE
MDL - MOULDING
MISC - MISCELLANEOUS (GLASS/MIRRORS, TOILET PARTITIONS, HARDWARE ETC.)
MTL - METAL
P - PAINT
PL - PLASTIC LAMINATE
RF - RUBBER FINISH
SSM - SOLID SURFACE
ST - STONE (QUARTZ, GRANITE, MARBLE, ETC.)
T - TILE (INCLUDES PORCELAIN, TILE, GLASS)
WD - WOOD
WP - WALL PROTECTION (INCLUDES CORNER GUARDS, FRP PANELS, ETC.)
BBNB - BRUISED BUT NOT BROKEN

CEILING CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, STYLE NO., COLOR, SIZE, INSTALLATION, FLAME SPREAD RATING, REMARKS. Includes items like A1 ROCKFON SONAR, C2 MOZ CORRUGATED PATINA COLLECTION, S1 BARRON DESIGNS FAUX WOOD BEAMS, S2 WINDSORONE BEADBOARD.

PAINT CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, COLOR NO., COLOR, FINISH/SHEEN, TYPE, REMARKS. Includes items like P-1 SHERWIN WILLIAMS SW8917 SHELL WHITE EGSHEL LOW VOC - LATEX, P-1A SHERWIN WILLIAMS SW8917 SHELL WHITE EGSHEL LOW VOC - EPOXY, etc.

TILE CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, INSTALLATION, FINISH/SHEEN, TYPE, COLOR, SIZE, THICKNESS, GROUT MANUF, GROUT COLOR, REMARKS. Includes item T-1 TILE BAR WILSONART COLORONE VERTICAL STACK MATTE/GLOSSY CEMENT OCEAN BLEND 2'X8' 10MM BOSTIK TRUCOLOR RAPID CURE TBD 1/8" GROUT JOINT.

PLASTIC LAMINATE CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. NO, NAME, FINISH/SHEEN, FLAME SPREAD RATING, REMARKS. Includes items like PL-1 WILSONART Y0643K-12 BRUSHED WALNUT SOFTGRAIN CLASS I PLAM CASEWORK U.N.O., PL-2 WILSONART 4943-38 CLASSIC LINEN FINE VELVET CLASS I COUNTERTOP IN DRY AREAS U.N.O., etc.

QUARTZ SURFACES CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, TYPE, COLOR, EDGE PROFILE, THICKNESS, FLAME SPREAD RATING, REMARKS. Includes item QTZ-1 WILSONART QUARTZ RIO UPANO Q3008 EASED EDGE 3 CM CLASS I WET AREA COUNTERTOPS U.N.O.

SOLID SURFACE CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, TYPE, COLOR, EDGE PROFILE, THICKNESS, FLAME SPREAD RATING, REMARKS. Includes item SSM-1 WILSONART SOLID SURFACE DESIGNER WHITE-D354SL EASED EDGE 1.5" CLASS I ALL WINDOW SILLS U.N.O.

WOOD CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, STYLE NO., SIZE, COLOR, SPECIES, FINISH/SHEEN, FLAME SPREAD RATING, REMARKS. Includes items like MDL-1 WINDSORONE OR EQ. HEADER CAP WOST001 7/16" X 1 1/16" PAINT PER ELEV. AS IS SMOOTH PRE PRIMED CLASS B LOBBY TRIM CAP, MDL-2 WINDSORONE OR EQ. CASING WOST001 1" X 3" PAINT PER ELEV. AS IS SMOOTH PRE PRIMED CLASS B DOOR/WINDOW TRIM SEE ELEVATIONS FOR LOCATIONS, etc.

WALL PROTECTION CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, STYLE NO., COLOR, SIZE, FLAME SPREAD RATING, REMARKS. Includes items like WP-1 IN PRO HIGH IMPACT CORNER GUARDS 160 FEATHER 0238 4'H X 2' WINGS 90DEGREE CLASS I ALL EXPOSED OUTSIDE CORNERS U.N.O. 2ND FL, WP-2 IN PRO HIGH IMPACT CORNER GUARDS 160 STORM CLOUD 0372 4'H X 2' WINGS 90DEGREE CLASS I 2ND FL WHERE NOTED.

BASE CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, STYLE NO., COLOR, SIZE, THICKNESS, FLAME SPREAD RATING, REMARKS. Includes items like B-1 JOHNSONITE / TARKETT MILLWORK-MANDALAY MW-58-H6 WINDSOR BLUE 6" 3/75" CLASS I TYP. U.N.O., B-2 JOHNSONITE / TARKETT MILLWORK-MANDALAY MW-55-H SILVER GREY 4.5" 3/75" CLASS I GYM, B-3 JOHNSONITE / TARKETT 4" COVE BASE DC-58 W/ TOE WINDSOR BLUE 4" 1/25" CLASS I AS NOTED ON FINISH PLANS.

EPOXY FLOORING/WALL CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, COLOR, THICKNESS, FLAME SPREAD RATING, REP CONTACT, REMARKS. Includes items like EPX-1 ELITE CRETE SYSTEMS WOOD LOOK OVERLAY CUSTOM PER RENDERING 1/8" CLASS I JON LOPEZ 239.898.8361 WITH 6" INTEGRAL BASE U.N.O./ADD COVE STRIP, EPX-2 ELITE CRETE SYSTEMS FLAKE CUSTOM BLEND CUSTOM FLAKE FB501 1/8" CLASS I JON LOPEZ 239.898.8361, etc.

LUXURY VINYL TILE CODE SCHEDULE

Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, STYLE NAME, STYLE NO., COLOR, SIZE, THICKNESS, INSTALLATION, FLAME SPREAD RATING, REMARKS. Includes item LVT MANNINGTON COMMERCIAL SPACIA WOOD SSSW2539 WORN ASH 7.25" X 48" 2.5 MM STAGGERED TYPE B CLASS III ADHESIVE SHOULD BE MOISTURE LOC OR AMTICO RP-18.

RUBBER CODE SCHEDULE

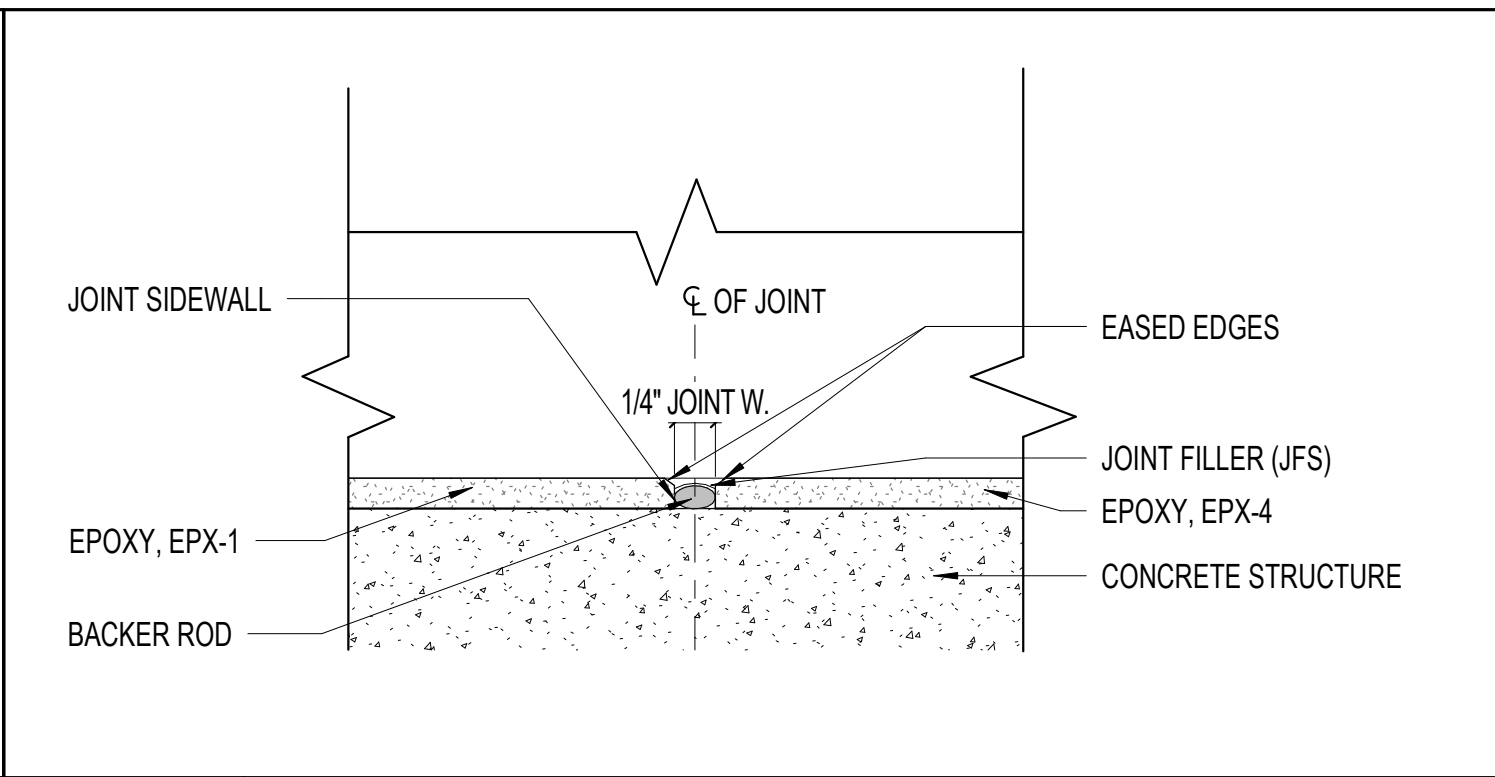
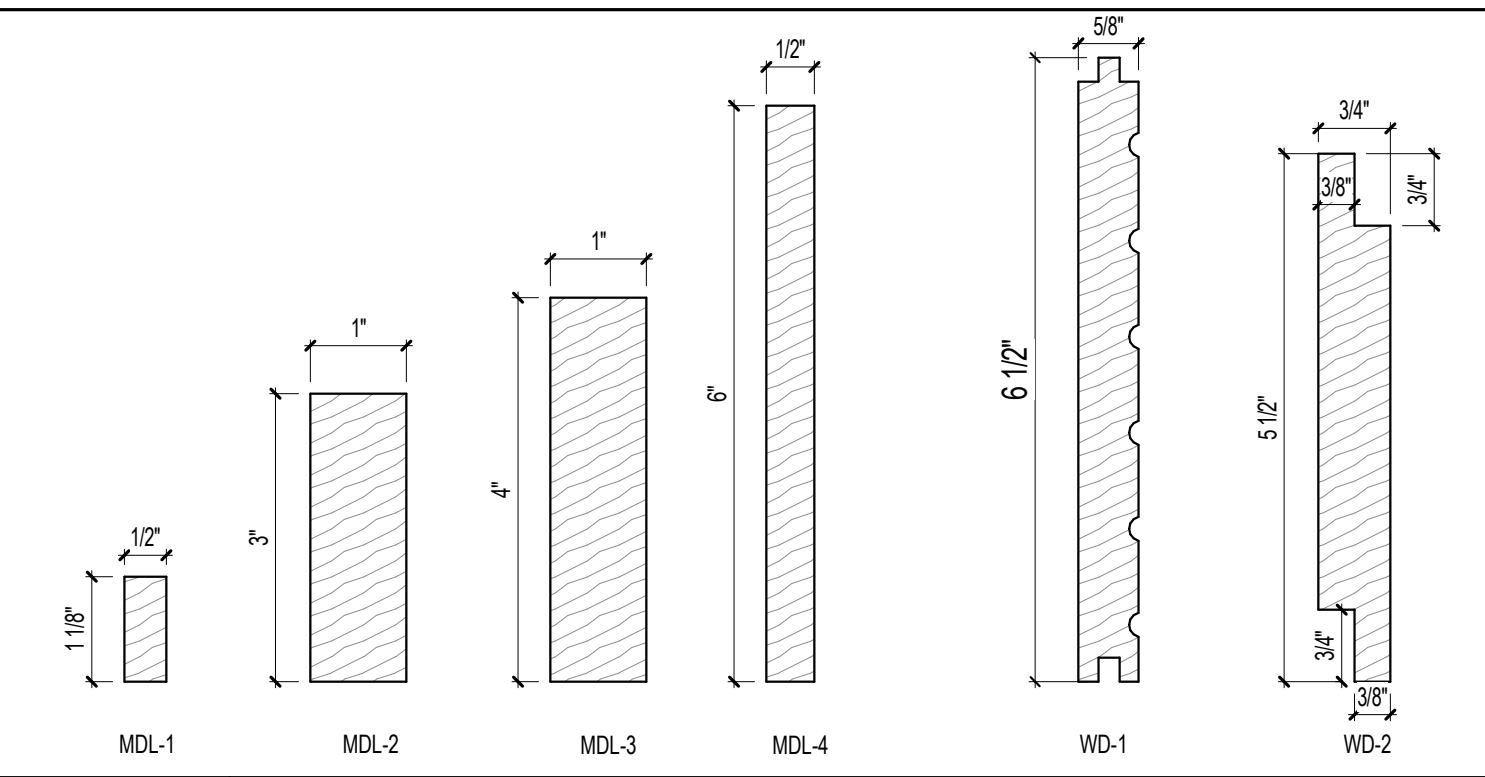
Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, TYPE, COLOR, SIZE, THICKNESS, FLAME SPREAD RATING, REMARKS. Includes items like RF-1 JOHNSONITE / TARKETT COLOR SPLASH RTSP VK5 SQ - RAISED SQUARE CAPE HATTERAS 24" X 24" 1/25" CLASS I STAIR LANDINGS, RF-2 JOHNSONITE / TARKETT COLOR SPLASH TRENDS WITH RISERS VIRNSQTR-RAISED SQ. SURFACE- ONE PIECE TREAD/RISER CAPE HATTERAS 24" X 24" 1/25" CLASS I STAIR TREAD RISER AND NOSING W. GREY GRIP TAPE, etc.

CONCRETE CODE SCHEDULE

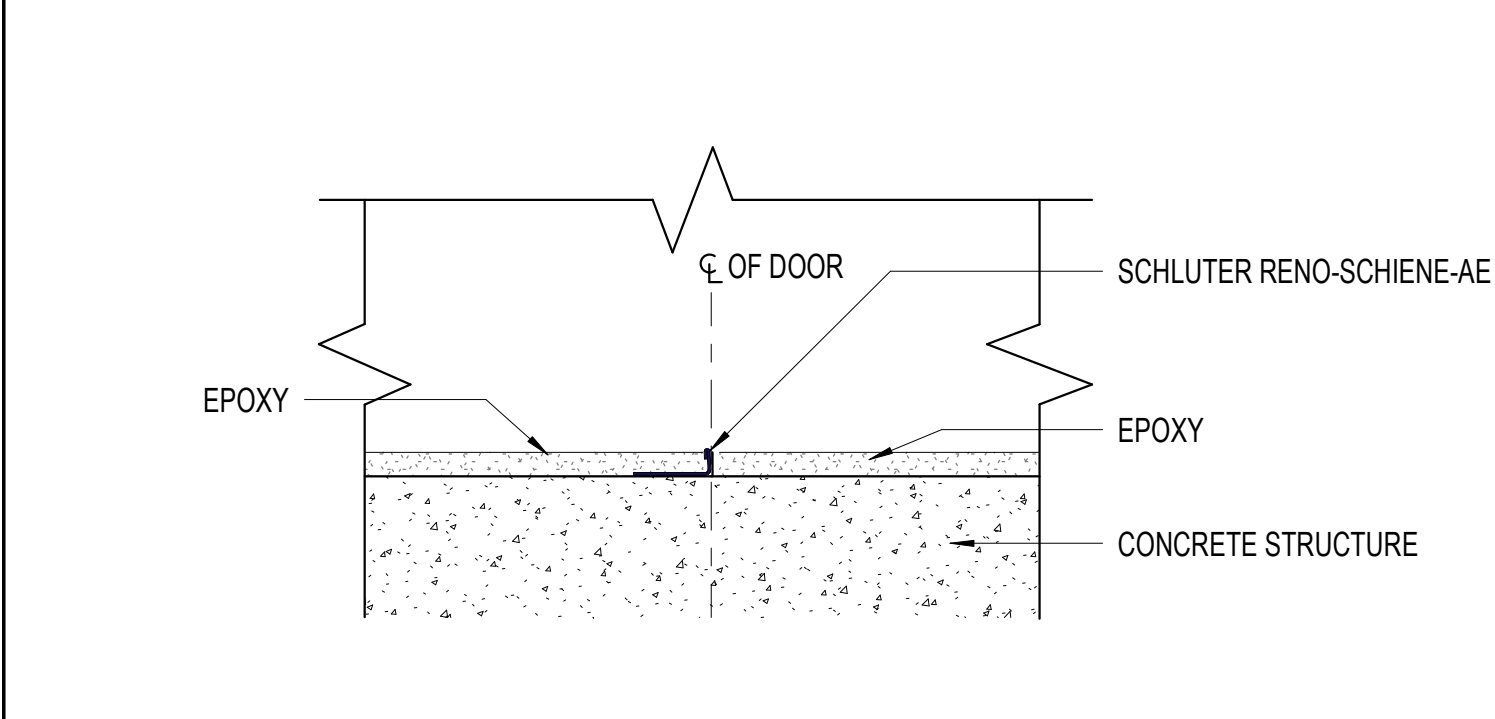
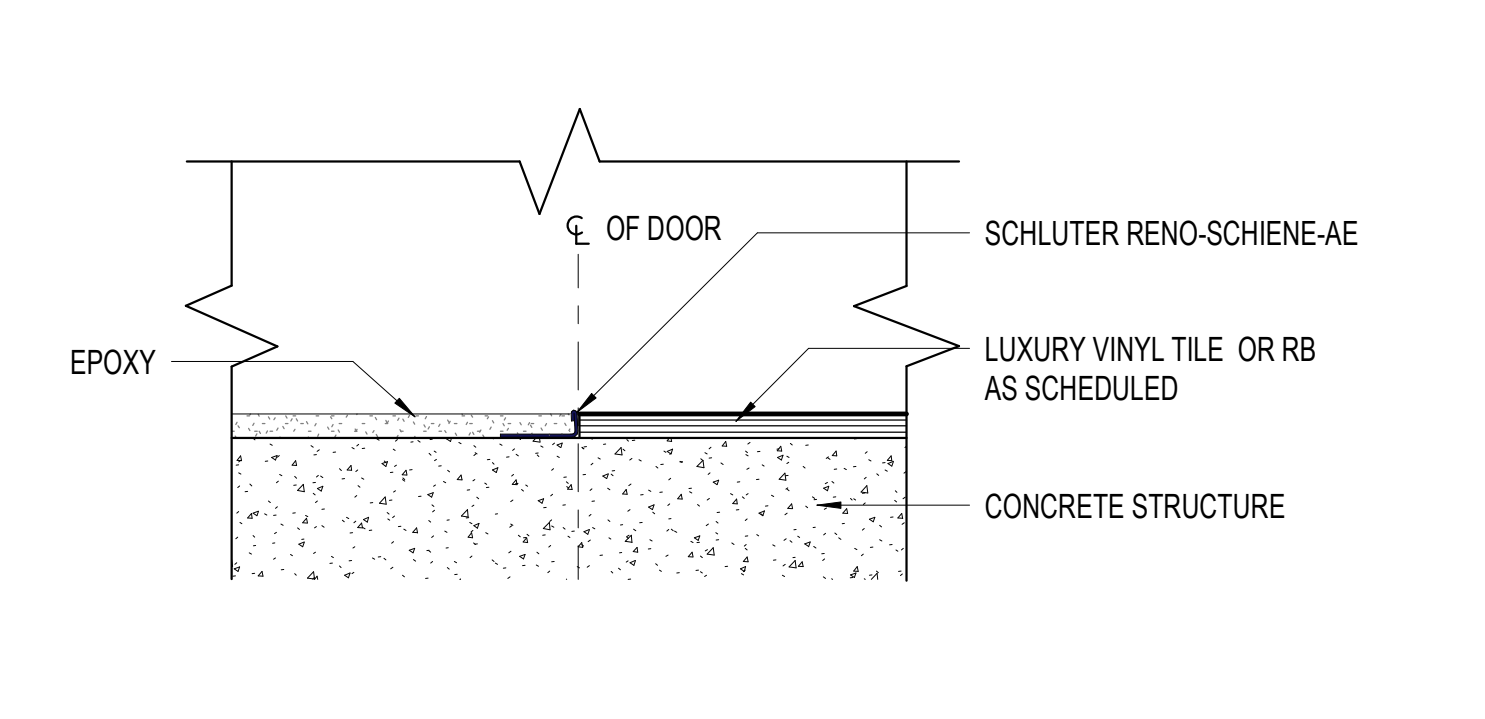
Table with columns: FINISH CODE, MANUFACTURER, MFG. LINE, COLOR, EDGE PROFILE, THICKNESS, SEALER, FLAME SPREAD RATING, REMARKS. Includes items like C-1 TRUEFORM CONCRETE CLASSIC-2023HB7 PEWTER EASED EDGE 1 1/2" Yes CLASS I OUTDOOR COUNTERTOP, C-2 BROOM FINISHED CONCRETE N/A N/A N/A Yes CLASS I OUTDOOR USE.

MISCELLANEOUS CODE SCHEDULE

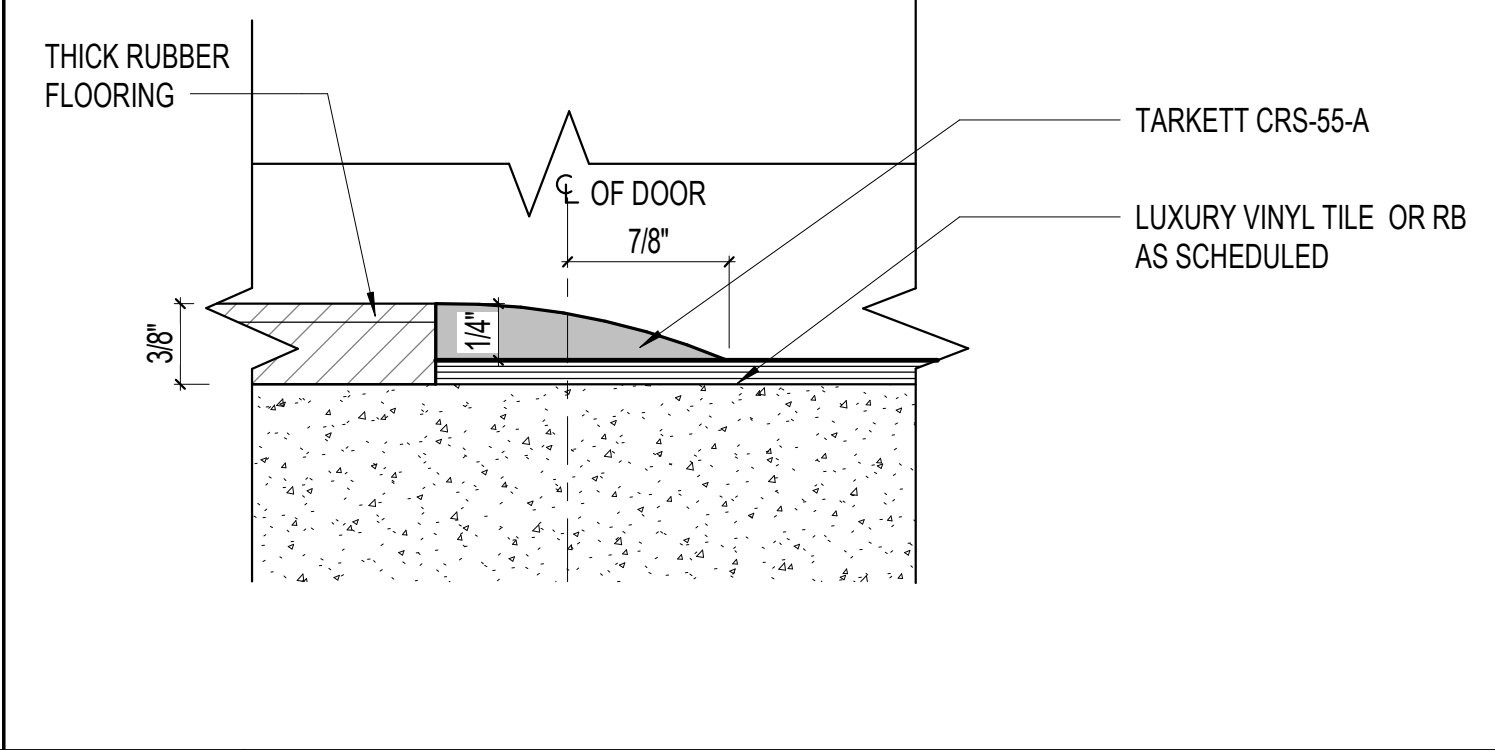
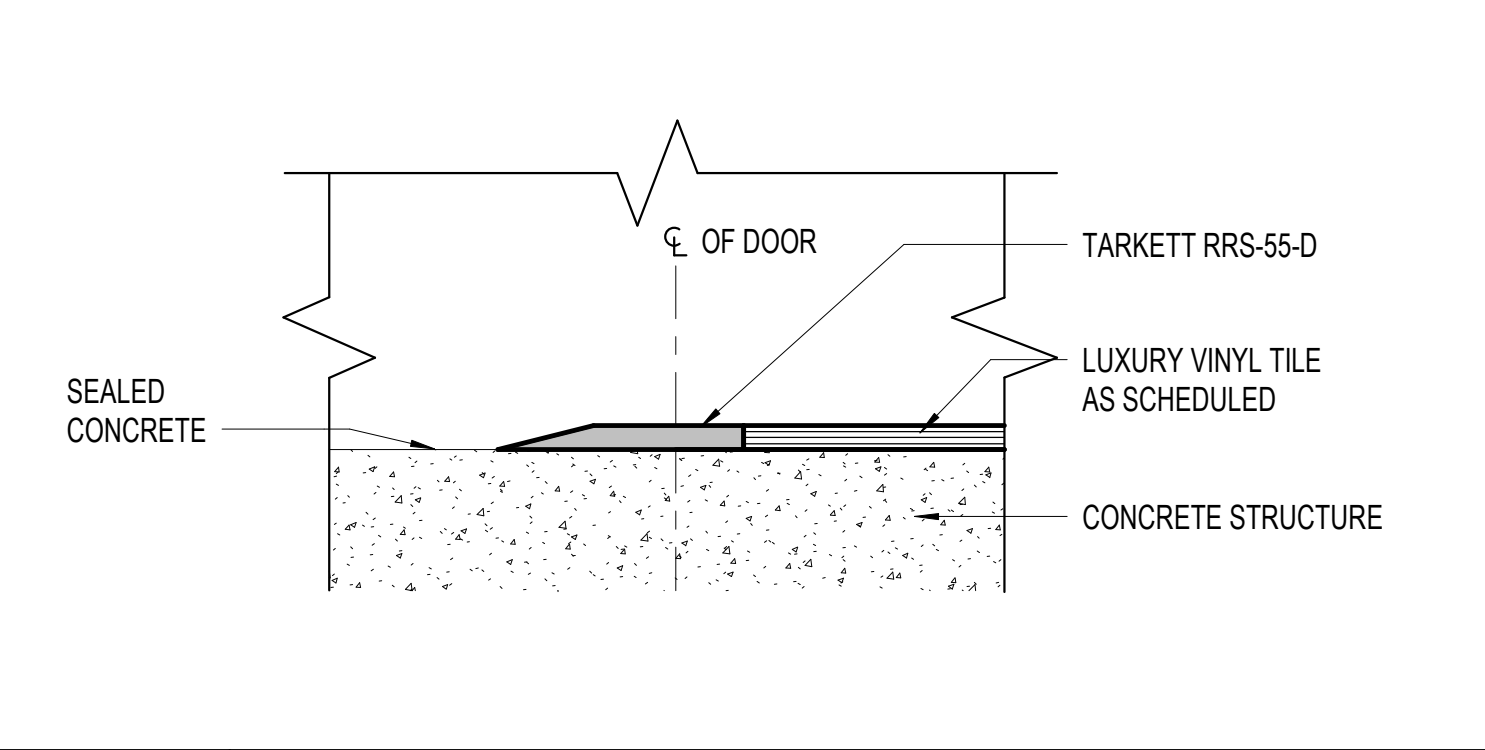
Table with columns: FINISH CODE, MANUFACTURER/ARTIST, MFG. LINE, STYLE NO., TYPE, SIZE, COLOR OR IMAGE, REMARKS. Includes items like HDW-1 AMEROCK ALLISON BY AMEROCK BP36852G10 REVOLVE CABINET PULL 3-3/4" CENTER TO CENTER SATIN NICKEL HARDWARE FOR KITCHEN & RESTROOMS, HDW-2 AMEROCK EVERYDAY BASICS 943SCH 4" CENTER TO CENTER BRUSHED CHROME HARDWARE FOR ALL AREAS U.N.O., MISC-1 TBD -LOCAL ARTIST (OWNER PROVIDED) N/A CUSTOM IMAGE PAINTED GRAPHIC-TO BE ALTERED FROM IMAGE INSPIRATION FULL H & WALL TO WALL SANIBEL ISLAND MAP REFER TO REFERENCE IMAGE FOR IMAGE INTENT-ID TO COORDINATE WITH CONTRACTOR & VENDOR, etc.



INTERIOR MOULDING LEGEND G5 TRANS. DETAIL - EPX TO EPX @ APPARATUS 12" = 1'-0"



D1 TRANS. DETAIL - LVT/RB TO EPX 12" = 1'-0" D5 TRANS. DETAIL - EPX TO EPX @ LOBBY 12" = 1'-0"



A1 TRANS. DETAIL - LVT TO C 12" = 1'-0" A5 TRANS. DETAIL - LVT TO THICK RUBBER 12" = 1'-0"



SANIBEL FIRE & RESCUE DISTRICT 2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION: 5171 SANIBEL-CAPTIVA ROAD SANIBEL, FLORIDA 33957



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REVISIONS table with columns: MARK, DESCRIPTION, DATE. Includes revision 1: ADDendum #2, 10.18.24.

COMM. NO.: 2023820 ISSUE DATE: 01.05.2024 DRAWN BY: Author

INTERIOR FINISH SCHEDULE, LEGENDS AND DETAILS

A160

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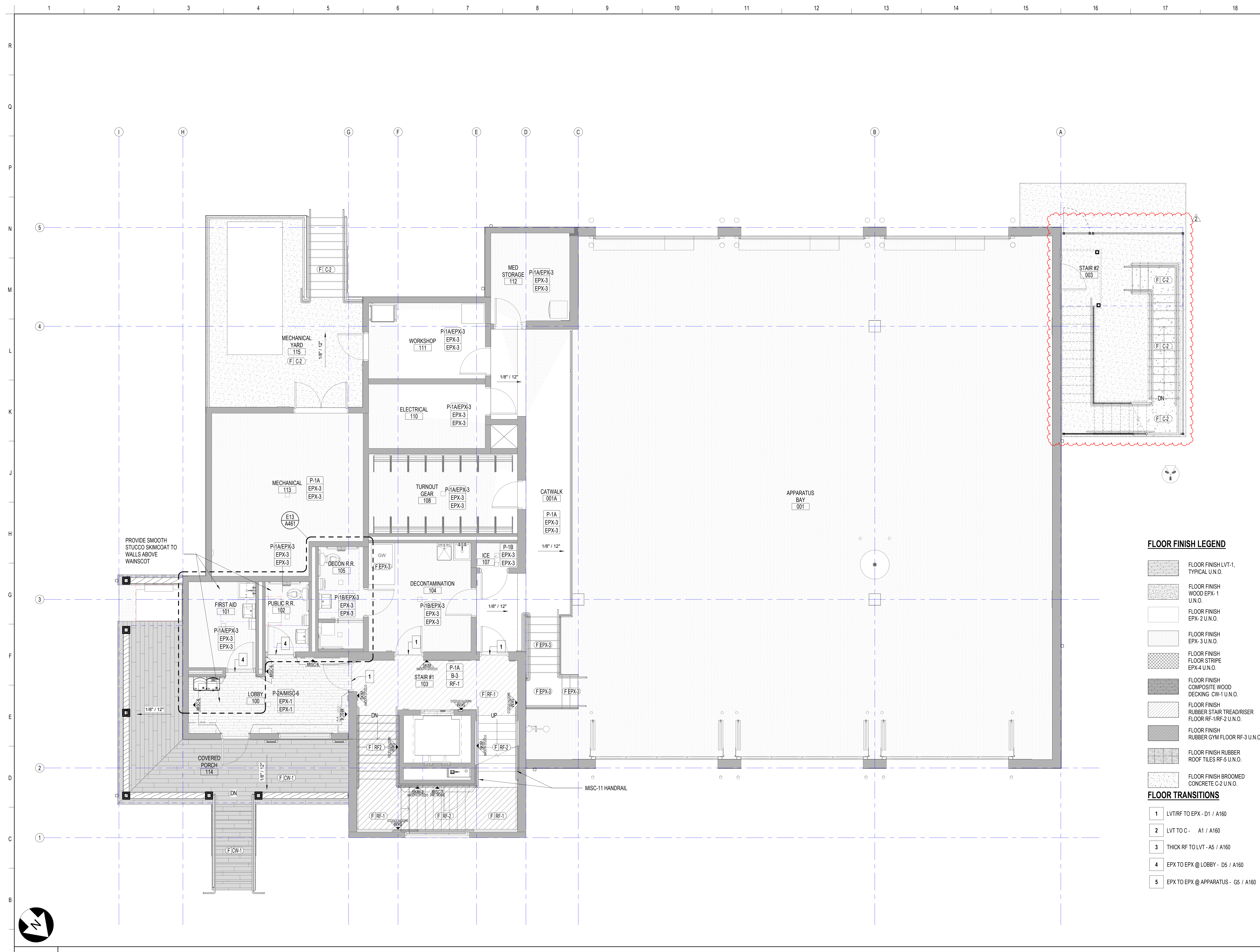
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PROJECT LOCATION:
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FLOOR FINISH LEGEND

- FLOOR FINISH LVT-1, TYPICAL U.N.O.
- FLOOR FINISH WOOD EPX-1 U.N.O.
- FLOOR FINISH EPX-2 U.N.O.
- FLOOR FINISH EPX-3 U.N.O.
- FLOOR FINISH FLOOR STRIPE EPX-4 U.N.O.
- FLOOR FINISH COMPOSITE WOOD DECKING CW-1 U.N.O.
- FLOOR FINISH RUBBER STAIR TREAD/RISER FLOOR RF-1/RF-2 U.N.O.
- FLOOR FINISH RUBBER GYM FLOOR RF-3 U.N.O.
- FLOOR FINISH RUBBER ROOF TILES RF-5 U.N.O.
- FLOOR FINISH BROOMED CONCRETE C-2 U.N.O.

FLOOR TRANSITIONS

- 1 LVT/RF TO EPX - D1 / A160
- 2 LVT TO C - A1 / A160
- 3 THICK RF TO LVT - A5 / A160
- 4 EPX TO EPX @ LOBBY - D5 / A160
- 5 EPX TO EPX @ APPARATUS - G5 / A160

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FINISH PLAN - FIRST FLOOR

A1 FINISH PLAN - FIRST FLOOR
1/4" = 1'-0"

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**SANIBEL FIRE AND RESCUE
STATION 172**

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FLOOR FINISH LEGEND

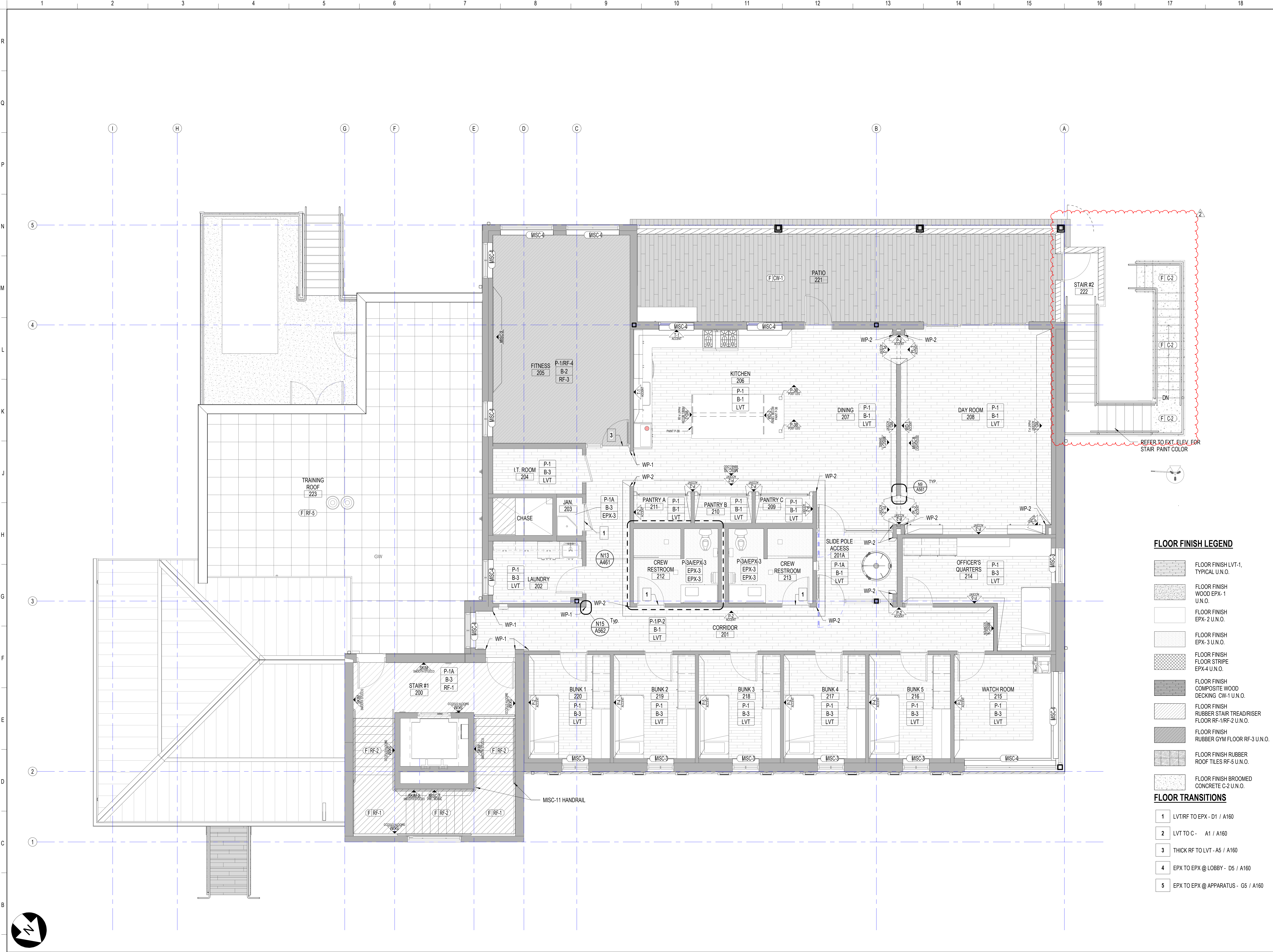
- FLOOR FINISH LVT-1, TYPICAL U.N.O.
- FLOOR FINISH WOOD EPX-1 U.N.O.
- FLOOR FINISH EPX-2 U.N.O.
- FLOOR FINISH EPX-3 U.N.O.
- FLOOR FINISH FLOOR STRIPE EPX-4 U.N.O.
- FLOOR FINISH COMPOSITE WOOD DECKING CW-1 U.N.O.
- FLOOR FINISH RUBBER STAIR TREAD/RISER FLOOR RF-1RF-2 U.N.O.
- FLOOR FINISH RUBBER GYM FLOOR RF-3 U.N.O.
- FLOOR FINISH RUBBER ROOF TILES RF-5 U.N.O.
- FLOOR FINISH BROOMED CONCRETE C-2 U.N.O.

FLOOR TRANSITIONS

- 1 LVT/RF TO EPX - D1 / A160
- 2 LVT TO C - A1 / A160
- 3 THICK RF TO LVT - A5 / A160
- 4 EPX TO EPX @ LOBBY - D5 / A160
- 5 EPX TO EPX @ APPARATUS - G5 / A160

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**FINISH PLAN - SECOND
FLOOR**



A1 FINISH PLAN - SECOND FLOOR
1/4" = 1'-0"

A162

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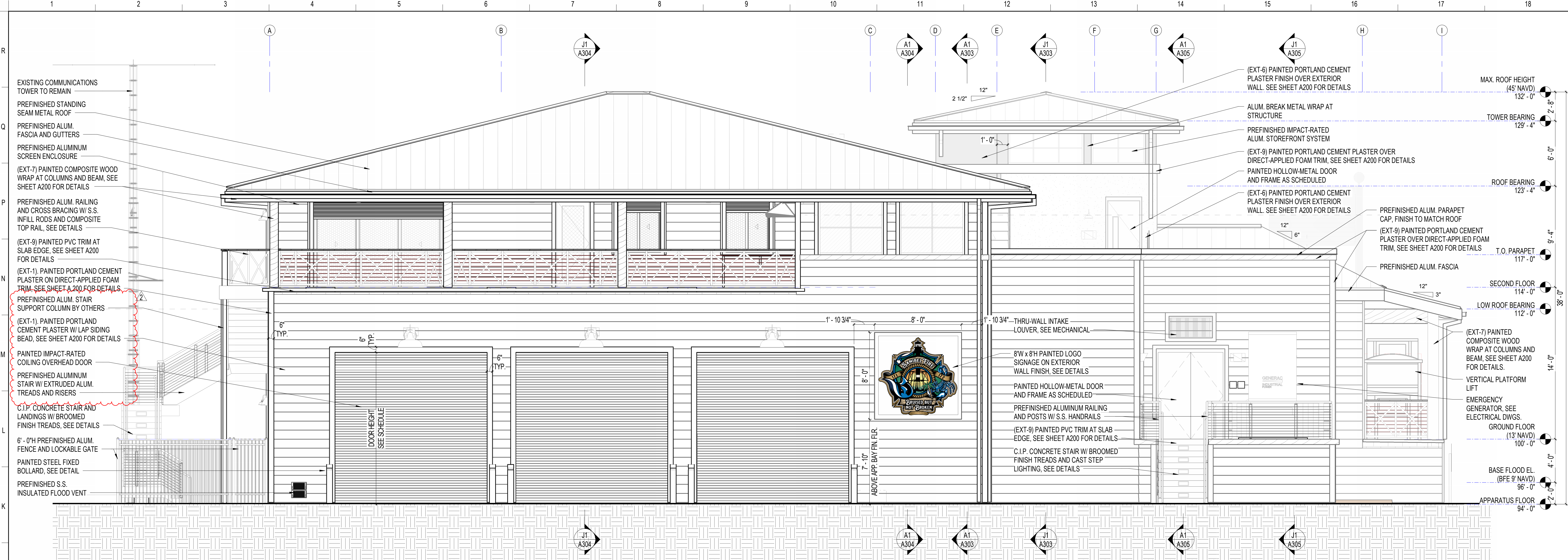
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STATION 172**

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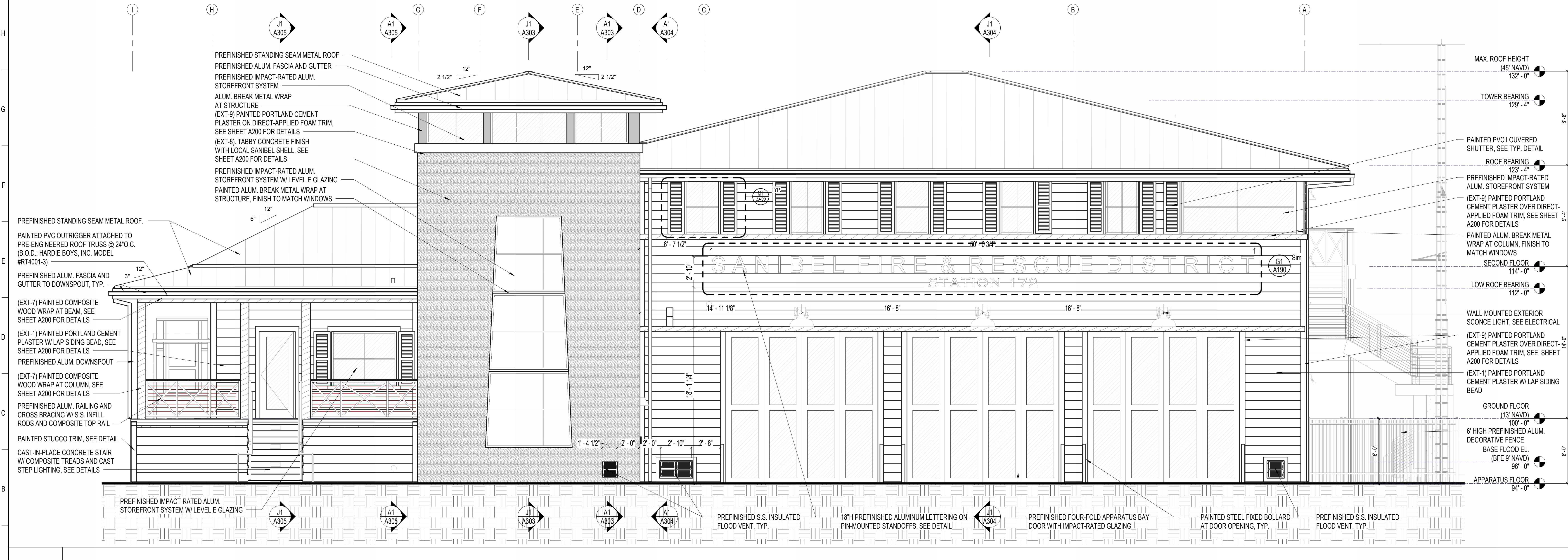
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J1 REAR ELEVATION - SOUTH

1/4" = 1'-0"

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| 1 | ADDED | 10.18.24 |



A1 FRONT ELEVATION - NORTH

1/4" = 1'-0"

EXTERIOR ELEVATIONS

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A201

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STATION 172**

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SANIBEL, FLORIDA 33957



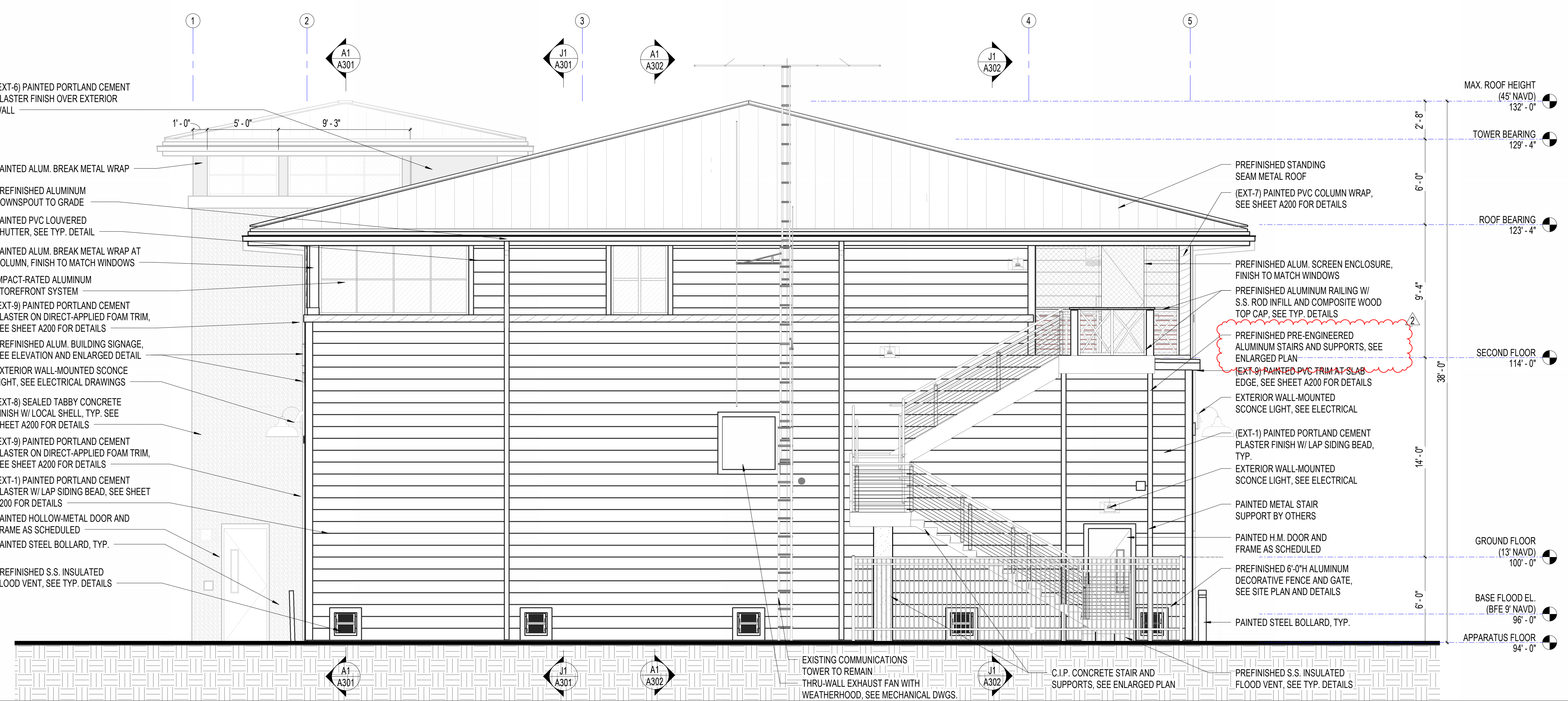
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J1 SIDE ELEVATION - EAST

1/4" = 1'-0"

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| 2 | | |



A1 SIDE ELEVATION - WEST

1/4" = 1'-0"

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EXTERIOR ELEVATIONS

A202

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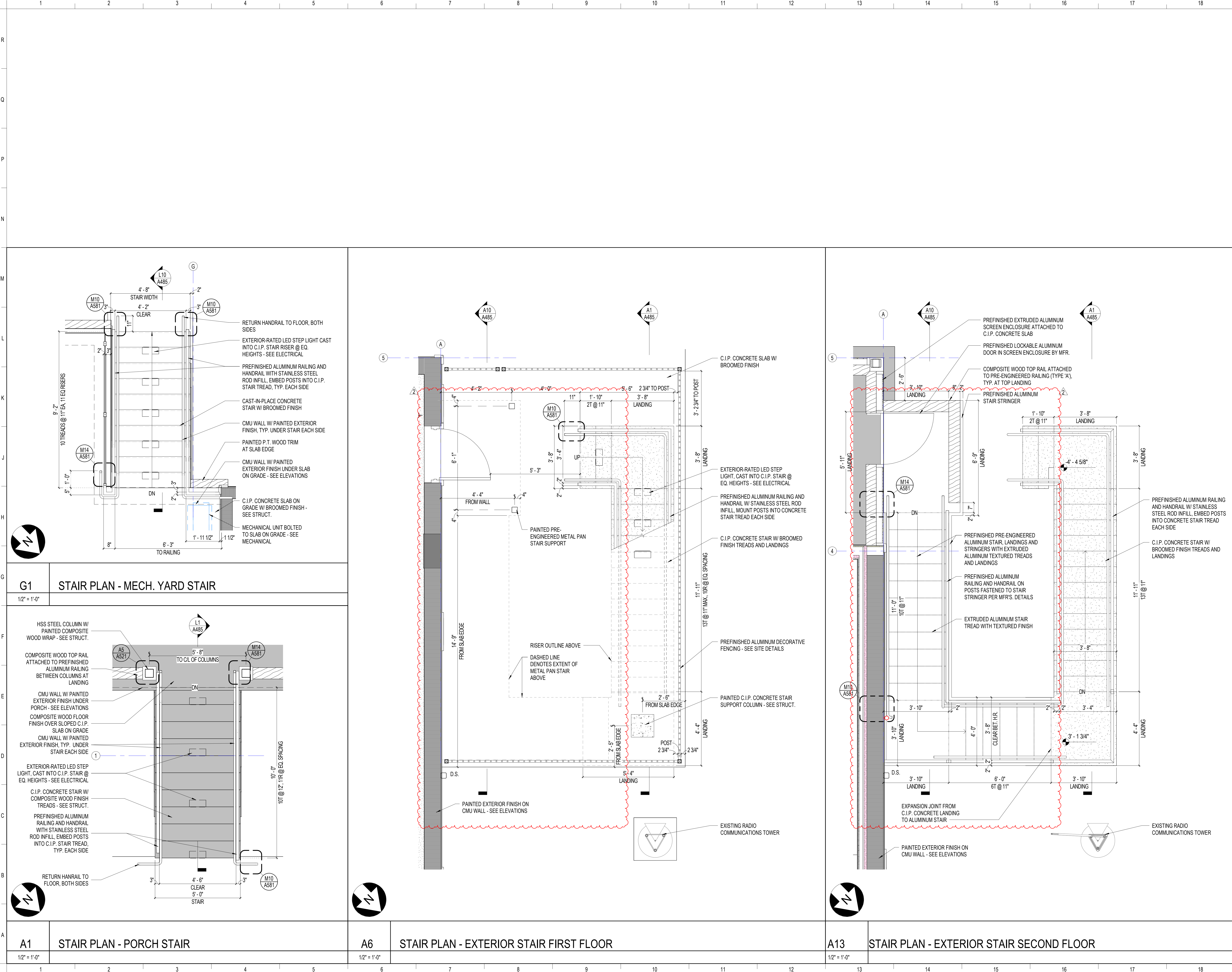
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**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:
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**ENLARGED STAIR PLANS -
EXTERIOR**

A482

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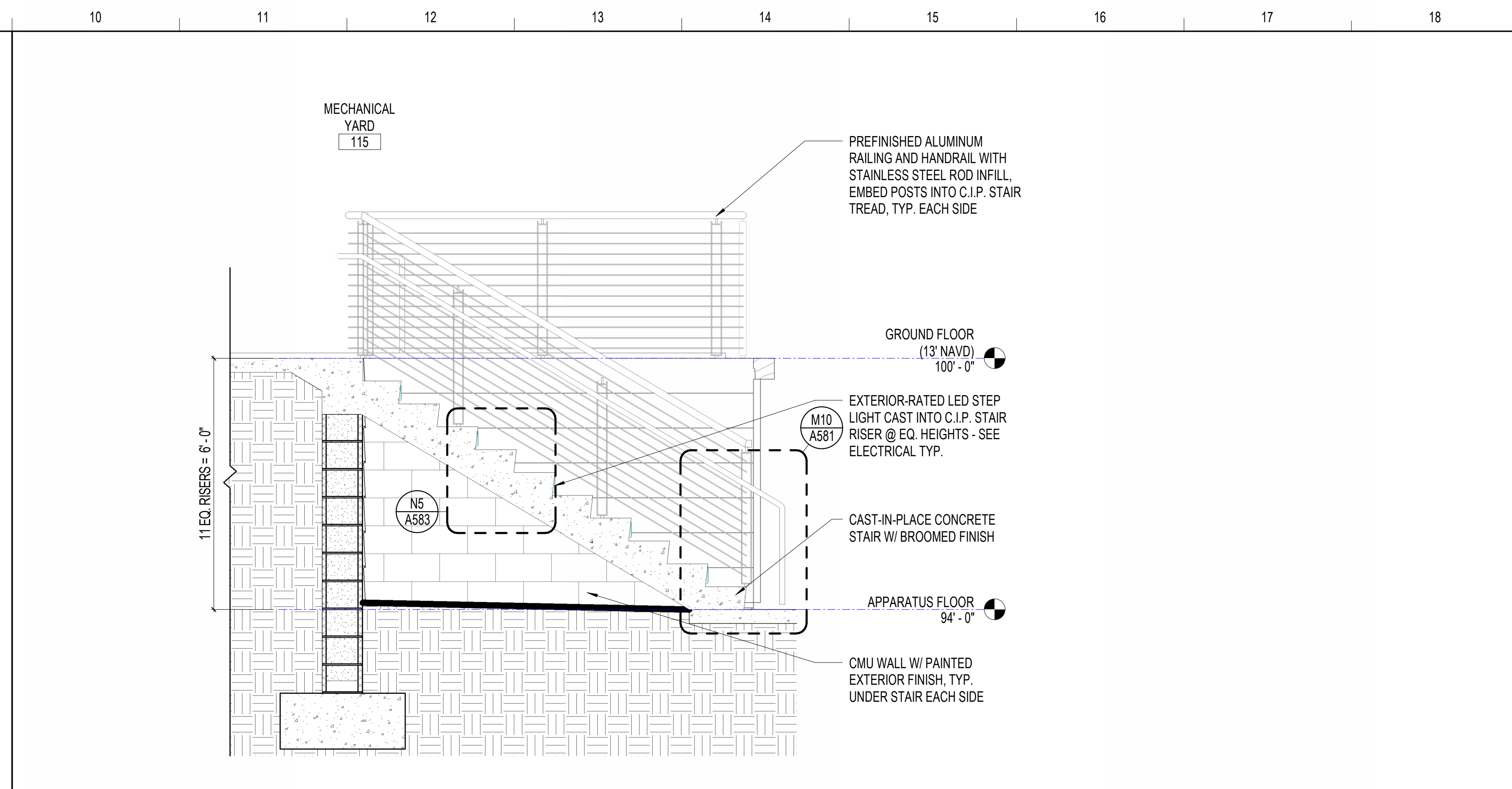
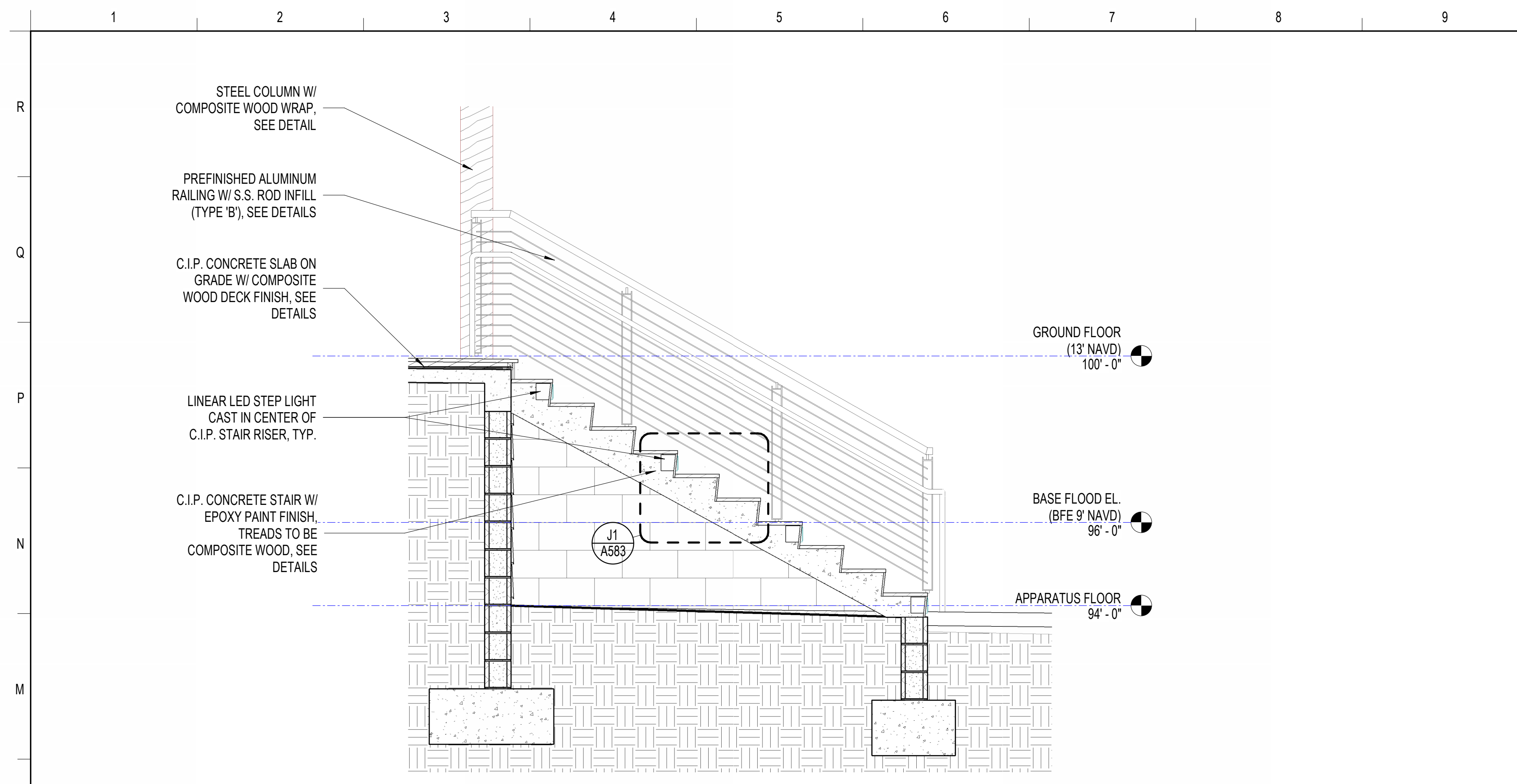
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PROJECT LOCATION:
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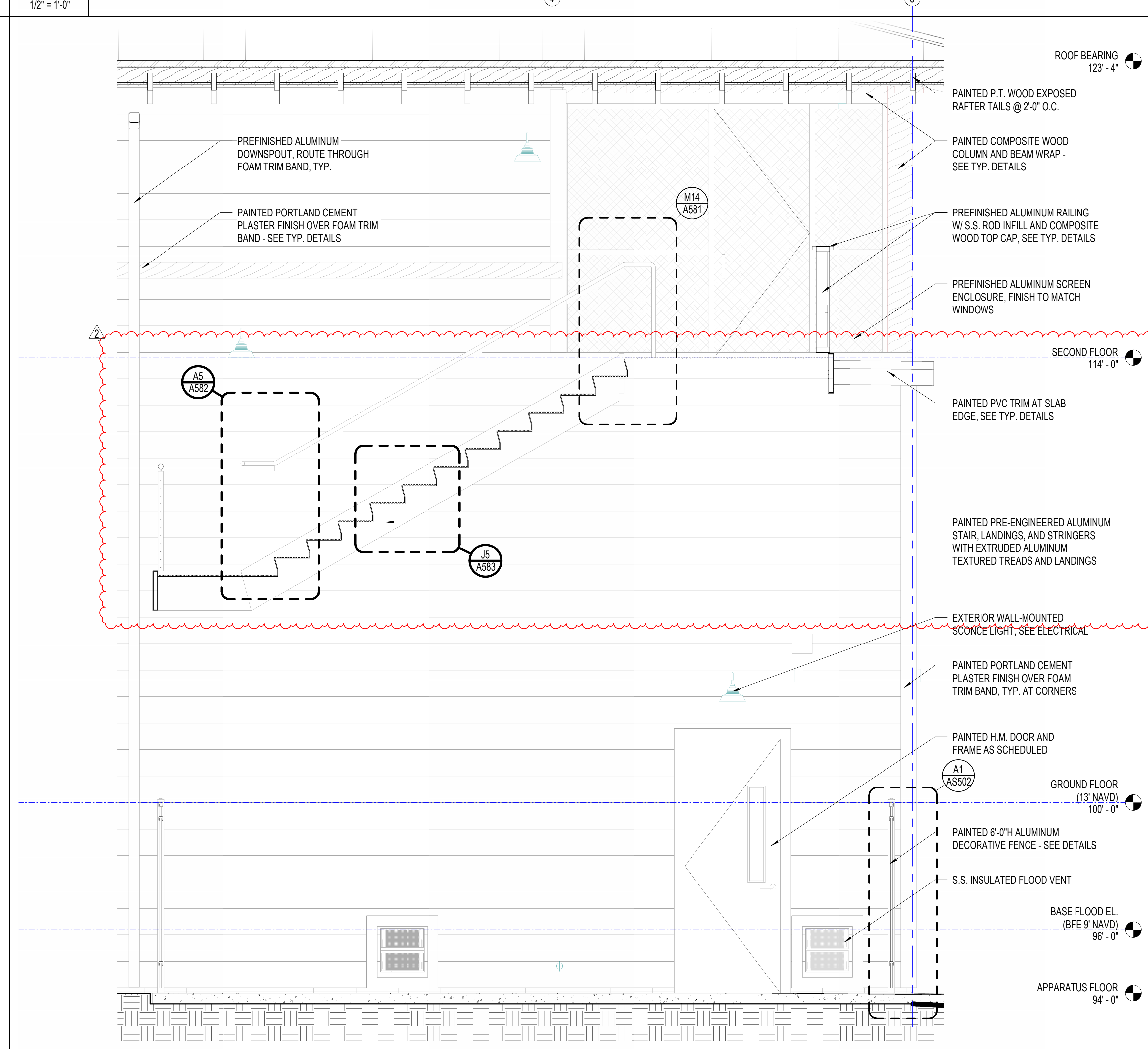
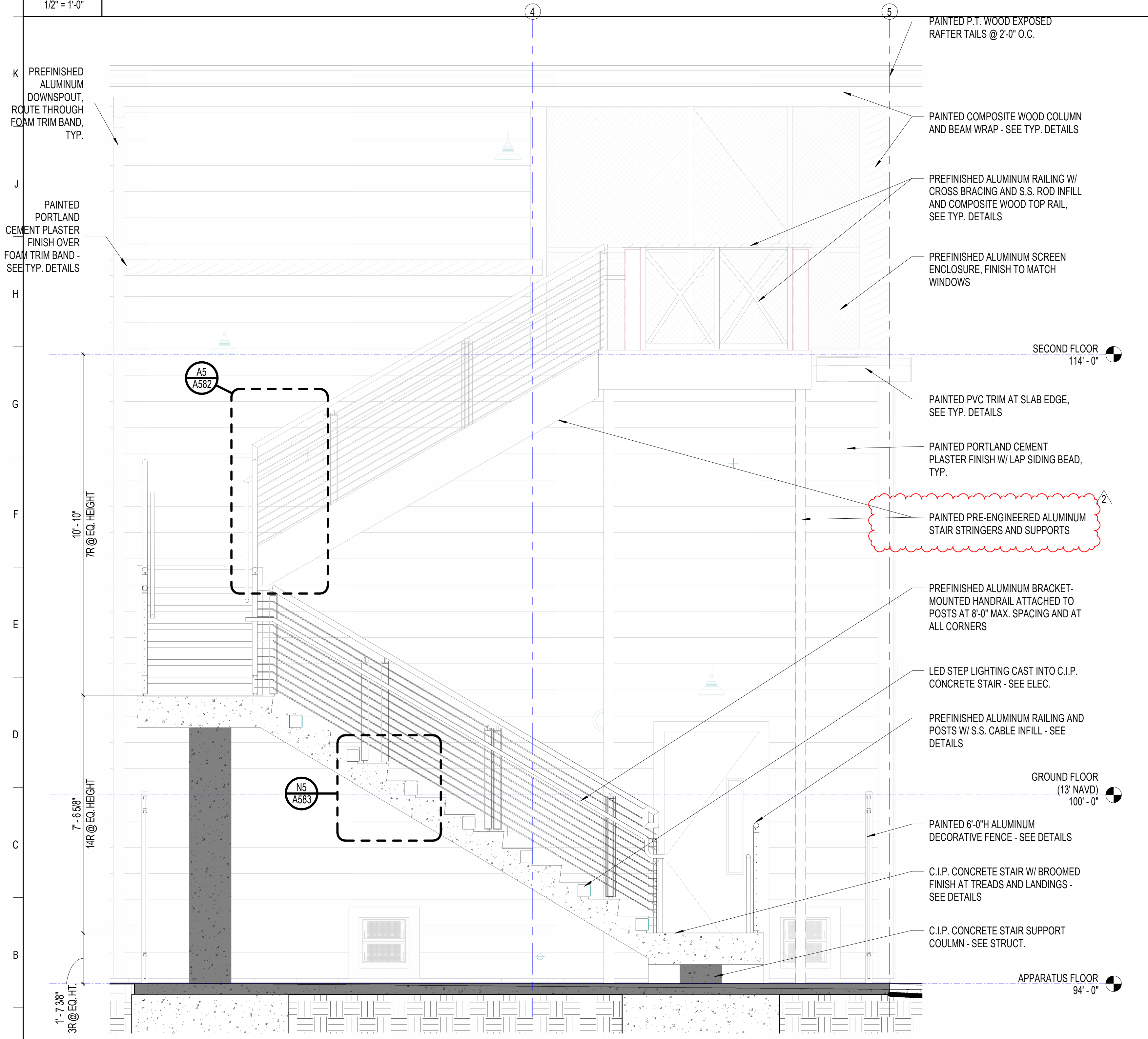


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L1 STAIR SECTION - EXTERIOR C.I.P. STAIR
1/2" = 1'-0"

L10 STAIR SECTION - MECHANICAL YARD
1/2" = 1'-0"



A1 EXTERIOR STAIR SECTION 1
1/2" = 1'-0"

A10 EXTERIOR STAIR SECTION 2
1/2" = 1'-0"

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ENLARGED STAIR SECTIONS

A485

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| R | DOOR SCHEDULE | | | | | | | | | | | | | | | | | | |
|---|-------------------------|-------------|-----------------|------------|---------|----------|-------------------|---------|----------|---------|-------------|------------|---------------|----------------|----------|---------------------|----------|----------|-----------------------------------------------------------------|
| | Level | DOOR NUMBER | DOOR PANEL LEAF | | | | DOOR FRAME | | | | DOOR RATING | STC RATING | DOOR HARDWARE | ACCESS CONTROL | DETAILS | | | COMMENTS | |
| | | | WIDTH | HEIGHT | TYPE | MATERIAL | GLAZING TYPE | TYPE | MATERIAL | HEAD | | | | | JAMB | THRESHOLD / SILL | | | |
| | STORAGE FIN. FLR. | 004 | 3'-0" | 7'-0" | F | HM | | | | | 3 | HM | | | A11/A510 | F1/A510 | L1/A510 | | NEW EXTERIOR FINISH ON EXISTING SWING DOOR AND FRAME |
| | STORAGE FIN. FLR. | 004A | 10'-0" | 8'-0" | OHS | STL | | | | | | MFG | STL | | J15/A512 | E15/A512 | A15/A512 | | NEW IMPACT-RATED SECTIONAL GARAGE DOOR IN EXISTING WALL OPENING |
| | STORAGE FIN. FLR. | 004B | 10'-0" | 8'-0" | OHS | STL | | | | | | MFG | STL | | J15/A512 | E15/A512 | A15/A512 | | NEW IMPACT-RATED SECTIONAL GARAGE DOOR IN EXISTING WALL OPENING |
| Q | APPARATUS FLOOR | 001 | 3'-0" | 8'-0" | N | HM | GL-1A | | | | 3 | HM | | | A11/A510 | F1/A510 | L1/A510 | | |
| | APPARATUS FLOOR | 001A | 14'-0" | 14'-0" | BFA | STL | GL-4 | | | | | STL | | | L1/A512 | F1/A512 | A1/A512 | | |
| | APPARATUS FLOOR | 001B | 14'-0" | 14'-0" | BFA | STL | GL-4 | | | | | STL | | | L1/A512 | F1/A512 | A1/A512 | | |
| | APPARATUS FLOOR | 001C | 14'-0" | 14'-0" | BFA | STL | GL-4 | | | | | STL | | | L1/A512 | F1/A512 | A1/A512 | | |
| | APPARATUS FLOOR | 001D | 14'-0" | 14'-0" | OHMC | STL | | | | | | STL | | | N11/A512 | E11/A512 | A11/A512 | | |
| | APPARATUS FLOOR | 001E | 14'-0" | 14'-0" | OHMC | STL | | | | | | STL | | | N11/A512 | E11/A512 | A11/A512 | | |
| | APPARATUS FLOOR | 001F | 14'-0" | 14'-0" | OHMC | STL | | | | | | STL | | | N11/A512 | E11/A512 | A11/A512 | | |
| P | APPARATUS FLOOR | 002 | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 60 | | A1/A510 | F1/A510 | L1/A510 | | |
| | APPARATUS FLOOR | 003 | 3'-0" | 8'-0" | F | HM | | | | | 3 | HM | | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 100 | 3'-0" | 8'-0" | FG | ALUM. | SF GLAZING (GL-2) | | | | 3 | ALUM. | | | | | | | |
| | GROUND FLOOR (13' NAVD) | 101 | 3'-0" | 8'-0" | F | HM | | | | | 3 | HM | | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 102 | 3'-0" | 8'-0" | F | HM | | | | | 3 | HM | | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 103 | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 60 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 103A | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 60 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 104 | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 60 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 104A | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 45 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 105 | 3'-0" | 8'-0" | F | HM | | | | | 3 | HM | | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 105A | 3'-0" | 8'-0" | SSD | GLASS | GT | | | | | S.S. | | | N14/A513 | F14/A513 / J14/A513 | | | STEAM SHOWER DOOR |
| | GROUND FLOOR (13' NAVD) | 107 | 3'-0" | 8'-0" | F | HM | | | | | 3 | HM | 45 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 108 | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 45 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 110 | 3'-0" | 8'-0" | N | HM | GL-4 | | | | 3 | HM | 45 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 111 | 3'-0" | 8'-0" | N | HM | GL-4 | | | | 3 | HM | 45 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 111A | 3'-0" | 8'-0" | N | HM | GL-1A | | | | 3 | HM | | | A1/A510 | F1/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 112 | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 45 | | A6/A510 | F6/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 113 | 6'-0" | 8'-0" | F(2) | HM | | | | | 4 | HM | | | A1/A510 | F1/A510 | L1/A510 | | |
| | GROUND FLOOR (13' NAVD) | 124 | 3'-0" | 8'-0" | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | | | L9/A581 | A9/A581 | | | ELEVATOR DOOR BY MANUFACTURER |
| | SECOND FLOOR | 200 | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 60 | | A6/A510 | F6/A510 | L1/A510 | | |
| | SECOND FLOOR | 200A | 3'-0" | 8'-0" | N | HM | FG-45 | | | | 3 | HM | 60 | | A1/A510 | F1/A510 | L1/A510 | | |
| | SECOND FLOOR | 201 | 3'-0" | 7'-10" | FG | ALUM. | SF GLAZING (GT) | | | | 1 | ALUM. | | | | | | | DUAL-SWING ACTION DOOR W/ PUSH BAR |
| | SECOND FLOOR | 201A | 3'-0" | 7'-10" | FG | ALUM. | SF GLAZING (GT) | | | | 1 | ALUM. | | | | | | | DUAL-SWING ACTION DOOR W/ PUSH BAR |
| | SECOND FLOOR | 202 | 3'-0" | 8'-0" | N | WD | GL-4 | | | | 1 | HM | | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 203 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 204 | 3'-0" | 8'-0" | N | WD | GL-4 | | | | 1 | HM | | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 205 | 3'-0" | 7'-10" | FG | ALUM. | SF GLAZING (GT) | | | | 1 | ALUM. | | | | | | | |
| | SECOND FLOOR | 206 | 3'-0" | 8'-0" | FG | ALUM. | SF GLAZING (GL-2) | | | | 1 | ALUM. | | | | | | | |
| | SECOND FLOOR | 208 | 11'-11 1/2" | 7'-11 1/2" | SGD | ALUM. | GL-3 | | | | | ALUM. | | | L11/A511 | F11/A511 | A11/A511 | | IMPACT-RATED SLIDING GLASS DOOR WITH LEVEL E FABRIC SHUTTER |
| | SECOND FLOOR | 209 | 6'-6" | 8'-0" | OHC | STL | | | | | | STL | | | N11/A512 | J11/A512 | A11/A512 | | |
| | SECOND FLOOR | 210 | 6'-6" | 8'-0" | OHC | STL | | | | | | STL | | | N11/A512 | J11/A512 | A11/A512 | | |
| | SECOND FLOOR | 211 | 6'-6" | 8'-0" | OHC | STL | | | | | | STL | | | N11/A512 | J11/A512 | A11/A512 | | |
| | SECOND FLOOR | 212 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 213 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 214 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 215 | 3'-0" | 8'-0" | N | WD | GL-4 | | | | 1 | HM | 20 | | A11/A510 | F11/A510 | L1/A510 | | PROVIDE HOLD-OPEN HARDWARE |
| | SECOND FLOOR | 216 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | 20 | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 217 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | 20 | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 218 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | 20 | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 219 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | 20 | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 220 | 3'-0" | 8'-0" | F | WD | | | | | 1 | HM | 20 | | A11/A510 | F11/A510 | L1/A510 | | |
| | SECOND FLOOR | 222 | 3'-0" | 7'-10" | FG3 | ALUM. | SCREEN | | | | 1 | ALUM. | | | A11/A510 | F11/A510 | L1/A510 | | DOOR IN SCREEN ENCLOSURE BY MANUFACTURER |
| | SECOND FLOOR | 224 | 3'-0" | 8'-0" | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | BY MFR. | | | L9/A581 | A9/A581 | | | ELEVATOR DOOR BY MANUFACTURER |

NOTE: SEE SPECIFICATIONS FOR DOOR HARDWARE SETS

GENERAL DOOR NOTES:

- GALVANIZED DOOR & FRAME - ALL EXTERIOR DOORS AND INTERIOR DOORS WHERE WATER MAY OCCUR.
- INSULATED DOOR - ALL EXTERIOR DOORS.
- TAMPER PROOF HINGES - ALL EXTERIOR DOORS.
- DOOR GASKET (SOUND SEALS) AROUND DOOR PERIMETER - ALL SPACES.
- KEYPED REMOVABLE MULLION - ALL DOOR PAIRS WITH EGRESS HARDWARE.
- DOOR GASKET (SMOKE SEAL) AROUND DOOR PERIMETER - ALL DOORS IN RATED CORRIDORS THAT ARE NOT EDUCATIONAL SPACES.
- WEATHER SEALS AROUND DOOR PERIMETER - ALL EXTERIOR DOORS.
- THRESHOLD - ALL EXTERIOR DOORS.
- OVERHEAD DOOR OVERALL HEIGHT MUST INCLUDE OPENING HEIGHT PLUS DISTANCE TO HOUSING/OPERATOR LOCATION ABOVE CEILING.
- PROVIDE ALUMINUM DOOR DRIP EDGE FOR ALL EXTERIOR DOORS, TYPICAL U.N.O.
- UNDERCUT AND OVERCUT DOOR FOR TOILET ROOMS, TYPICAL U.N.O.
- REPAIR AND PREP ALL EXISTING DOORS DESIGNATED TO REMAIN FOR NEW FINISHES.

DOOR COMMENTS

- 180 DEGREE SWING - COORDINATE LOCATION IN WALL TO ALLOW FOR FULL SWING. IF DOUBLE DOOR, BOTH PANELS ARE TO SWING 180 DEGREES WHERE APPLICABLE.
- SOUND CONTROL ADJUSTABLE DOOR GASKET / AUTOMATIC DOOR BOTTOM / THRESHOLD.
- PROVIDE WIDE ANGLE VIEWER.
- ADA DOOR OPERATOR - ONE LEAF - SEE ELECTRICAL DRAWINGS AND DOOR HARDWARE SPECS.
- PREP FRAME AND DOOR FOR ACCESS CONTROL.
- HARDWARE BY MANUFACTURER.
- METAL SOUND CONTROL DOOR ASSEMBLY / STC 45 MINIMUM.
- EXISTING ACCESS CONTROL TO BE PROGRAMMED - COORDINATE WITH OWNER.
- SECURITY HARDWARE.
- DOOR INTERLOCKED SO ONLY ONE CAN BE OPENED AT A TIME. TO BE ON A 30 SEC. DELAY W/PROXY CARD OVERRIDE.
- ORNAMENTAL FENCE GATE. PROVIDE LATCH AND DEADBOLT.
- ORNAMENTAL FENCE GATE, PROVIDE PANIC HARDWARE AND ACCESS CONTROL.
- HOLD OPEN DOOR STOP.
- LATCH CONFIRMATION.
- KEY ACTIVATED MOTORIZED OVERHEAD DOOR WITH SECURITY CONTACTS.



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

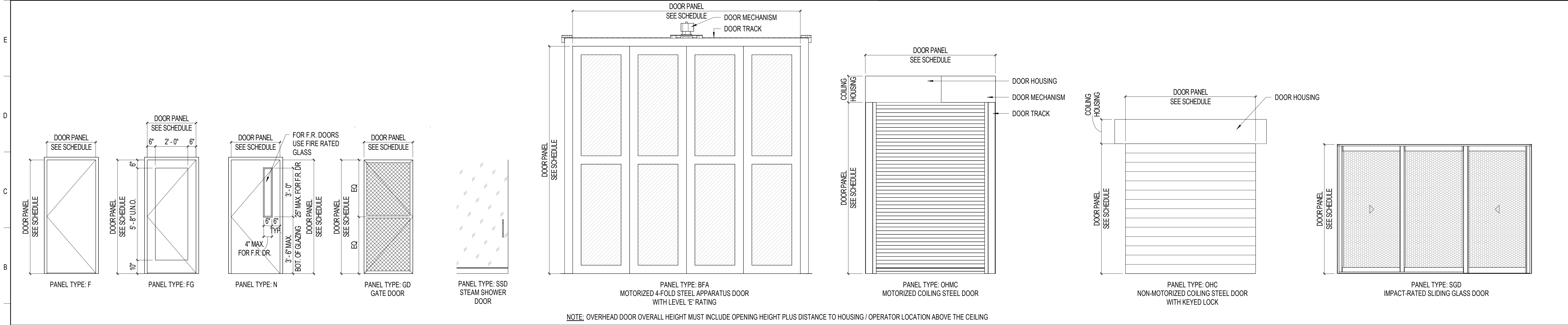
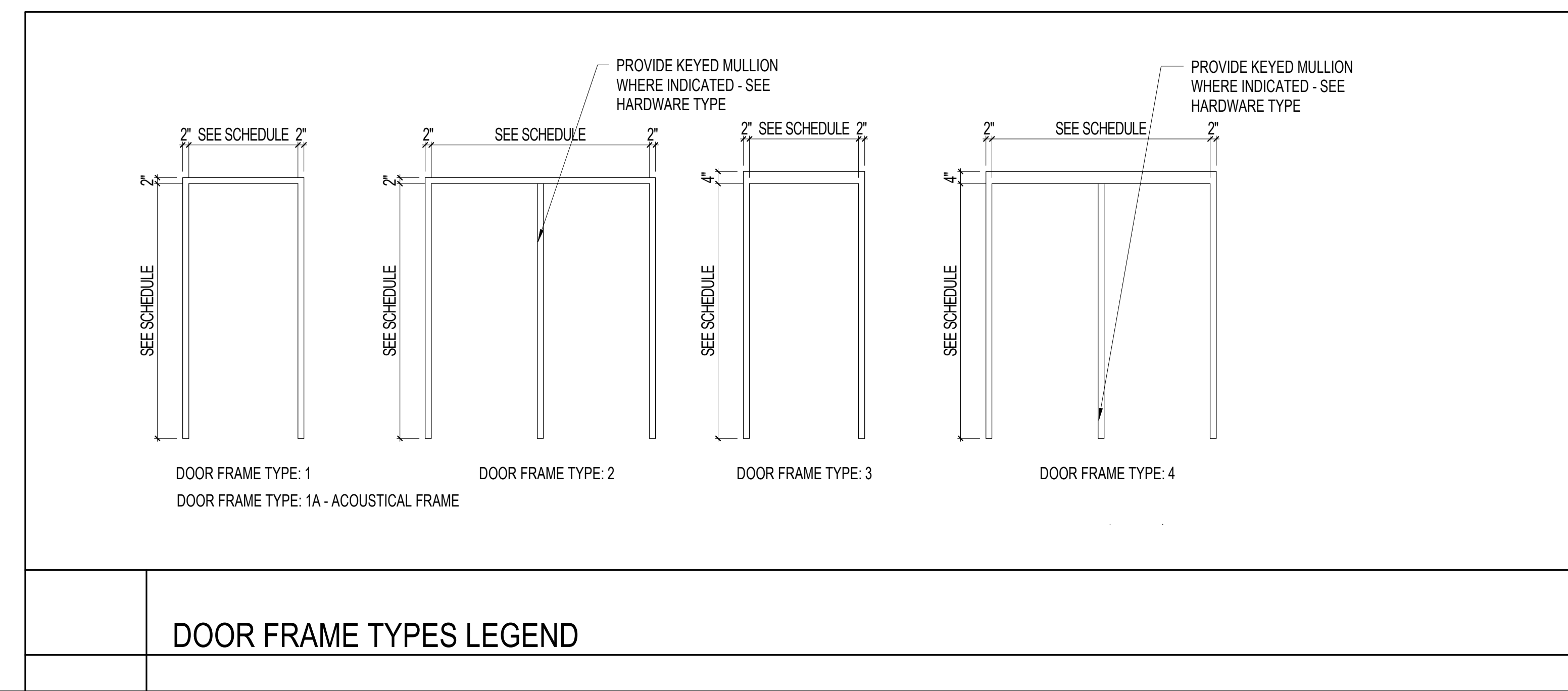
SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



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| REVISIONS | | |
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| MARK | DESCRIPTION | DATE |
| 2 | ADDendum #2 | 02.19.24 |



DOOR PANEL TYPES

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: Author

DOOR SCHEDULE, DOOR AND FRAME TYPES

NOT RELEASED FOR CONSTRUCTION



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

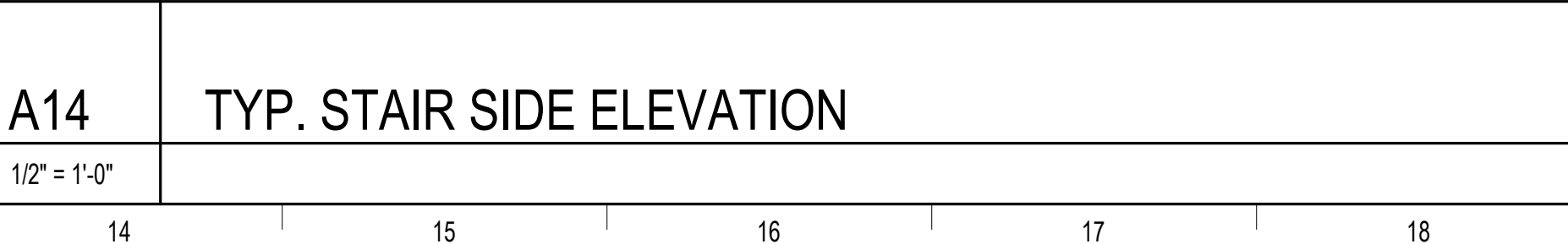
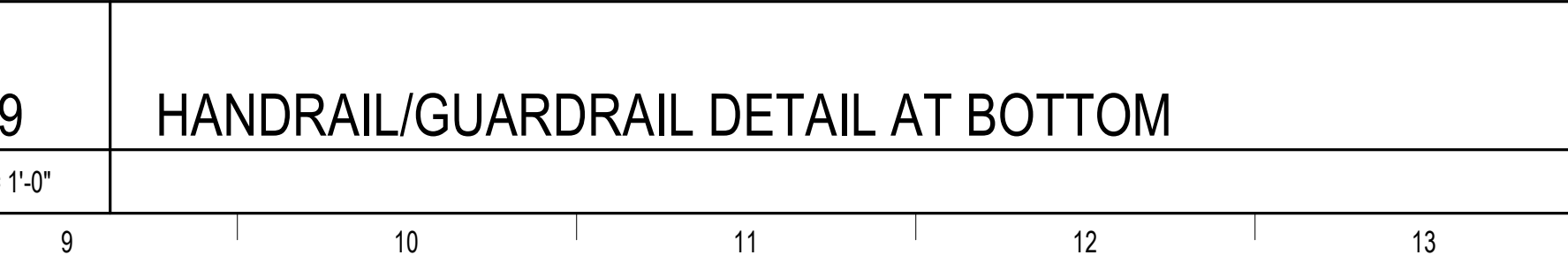
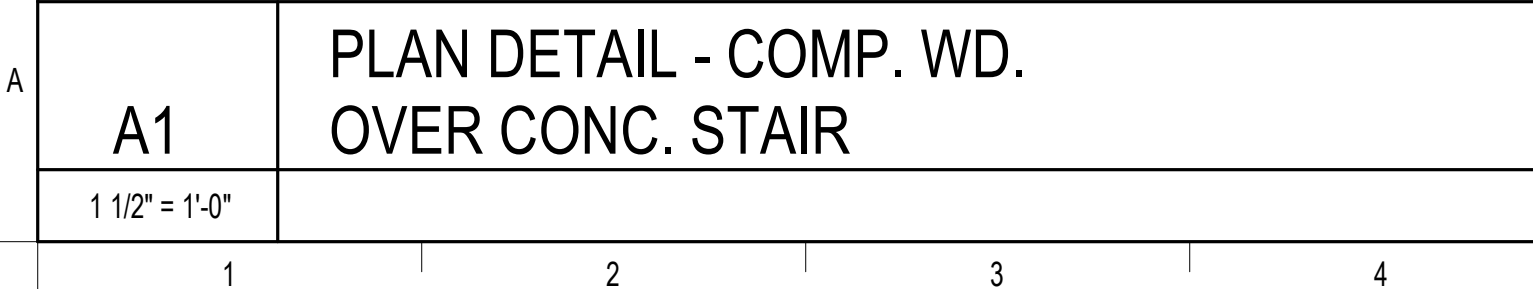
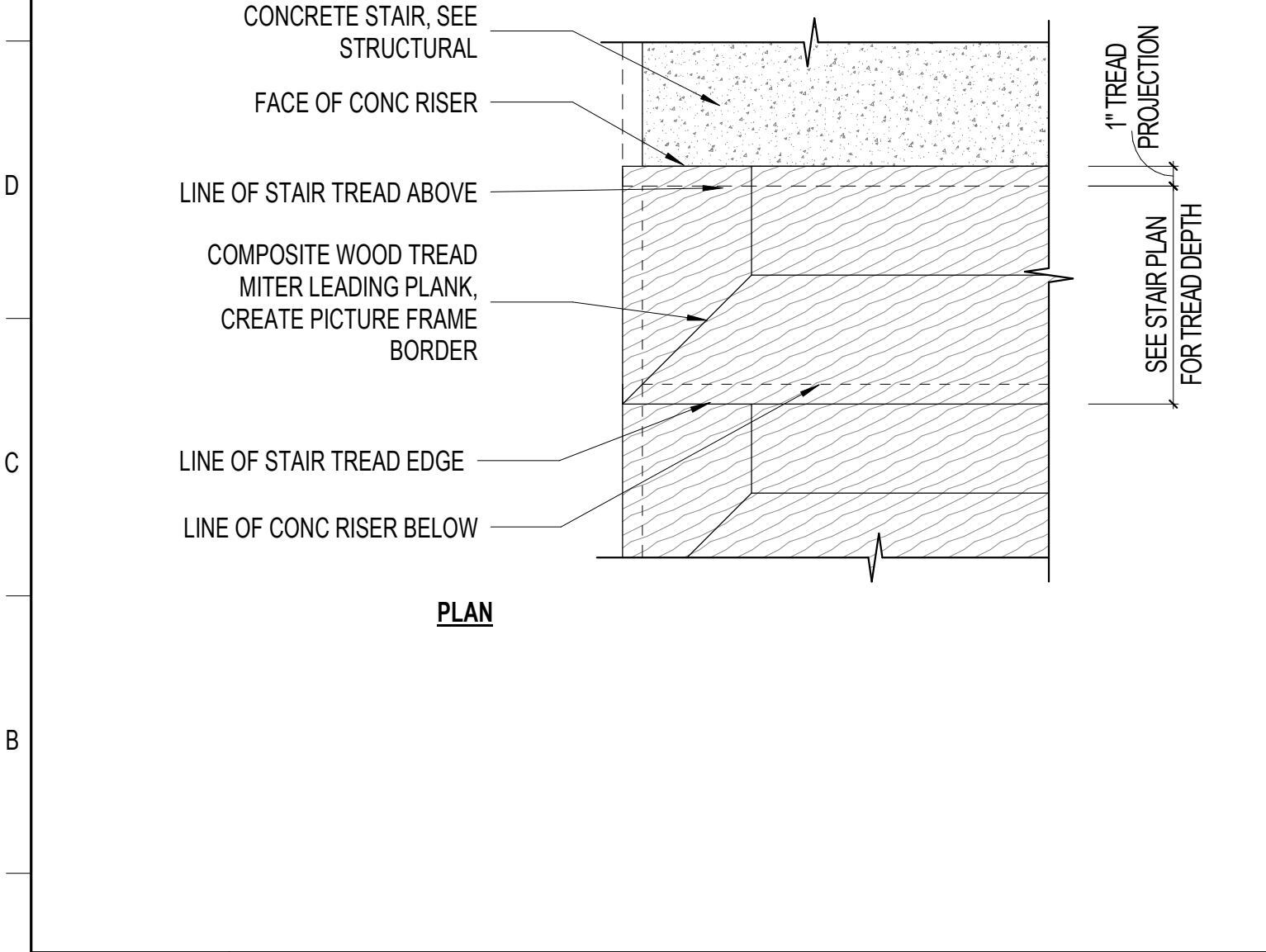
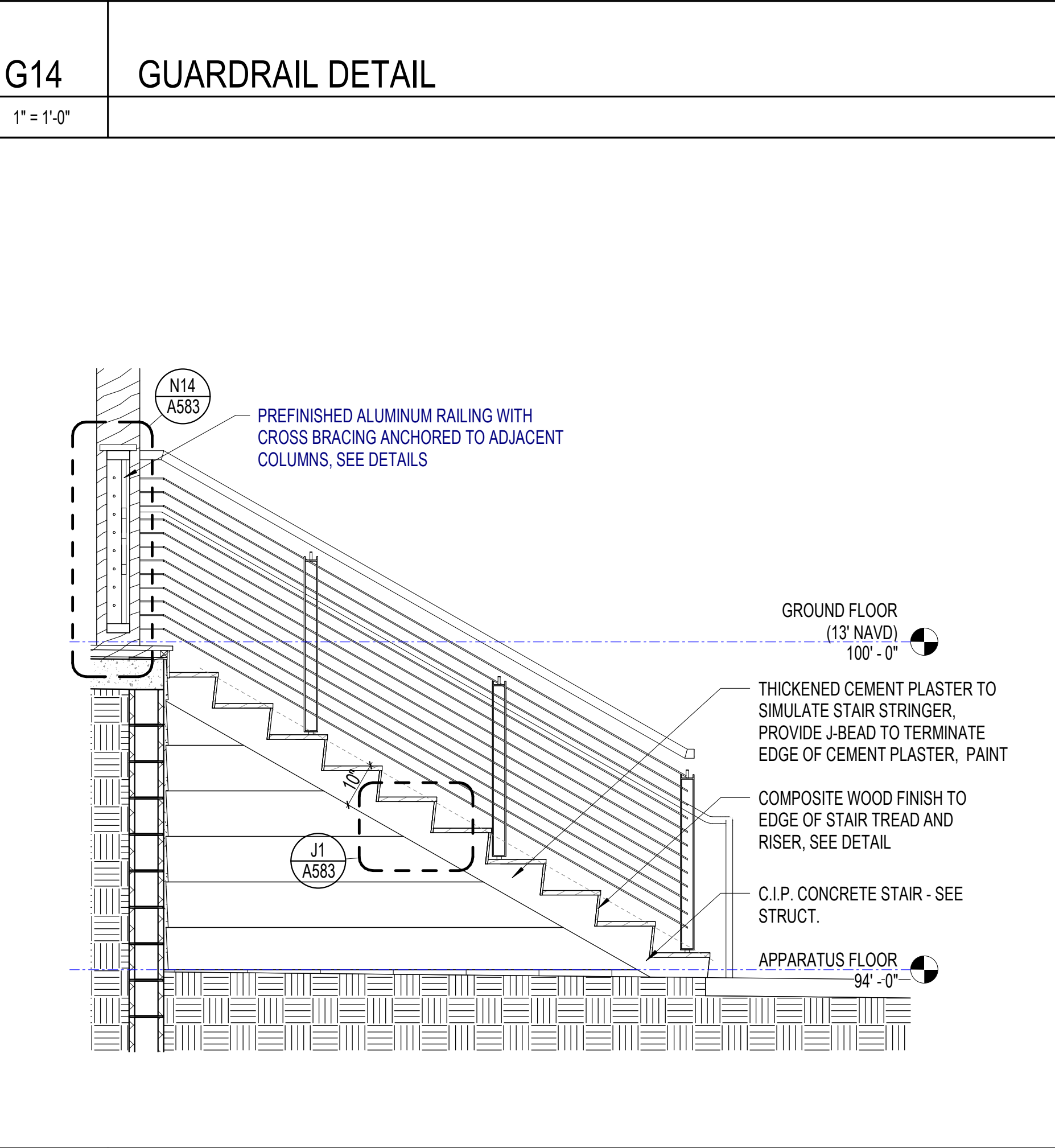
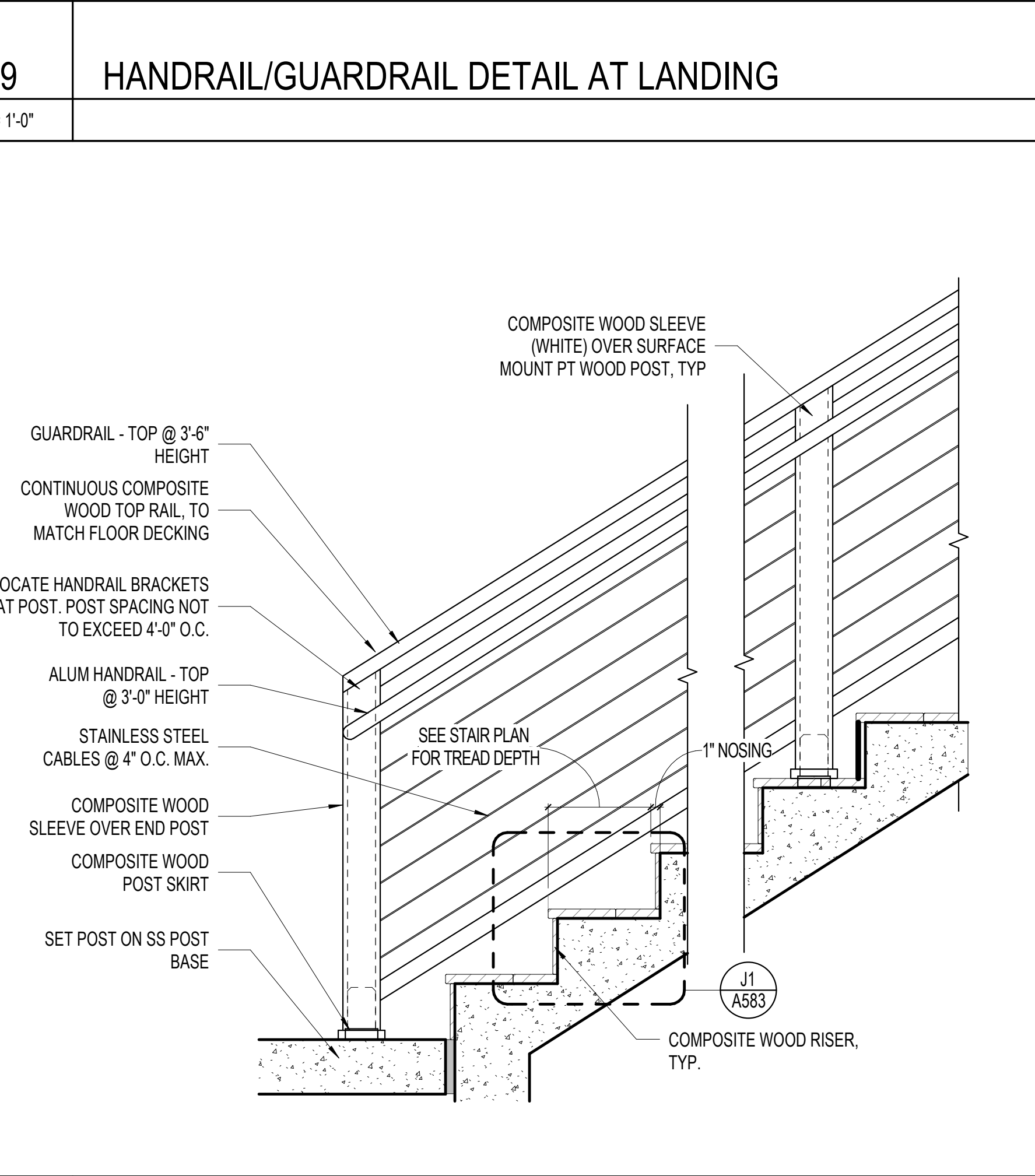
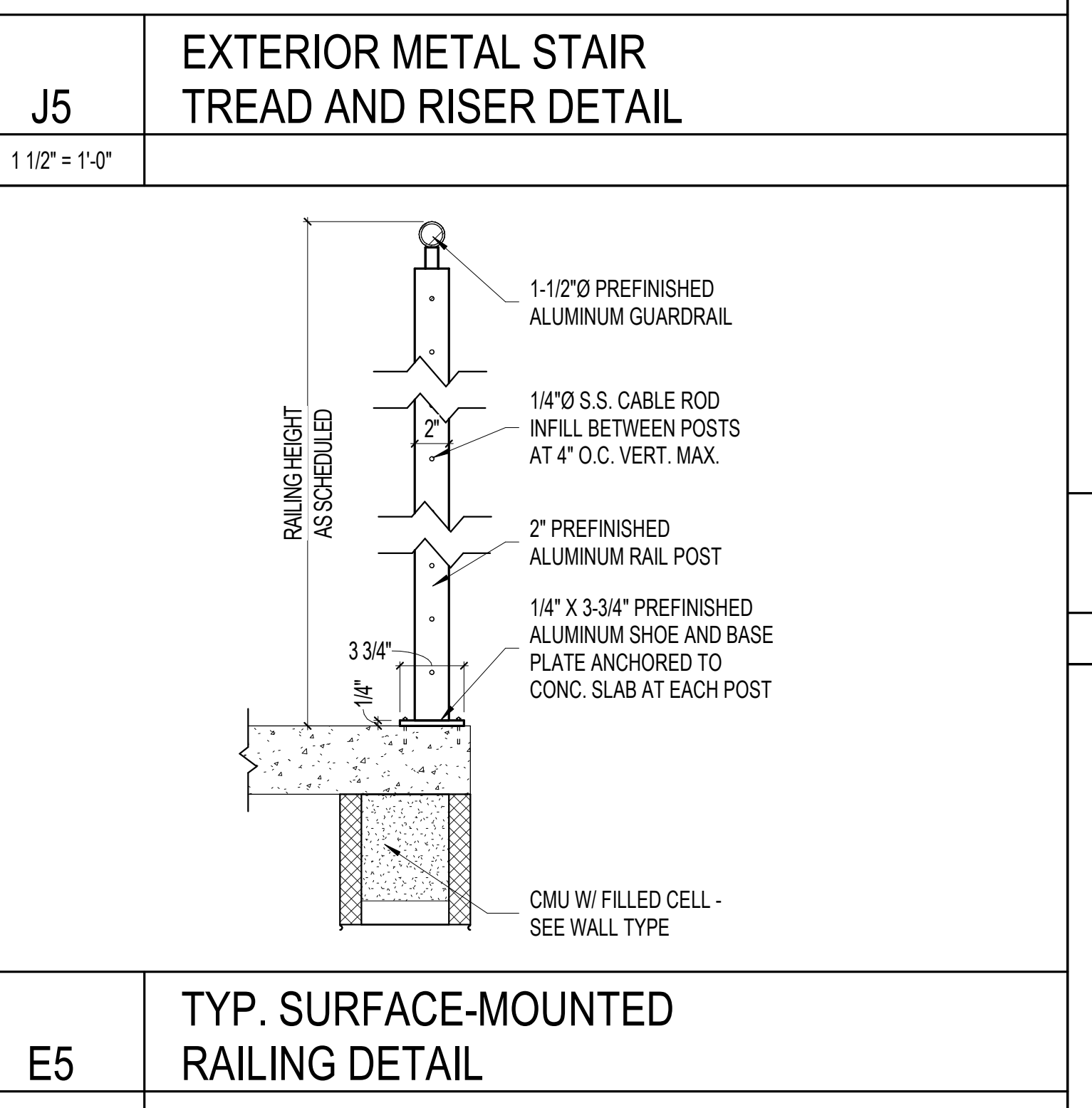
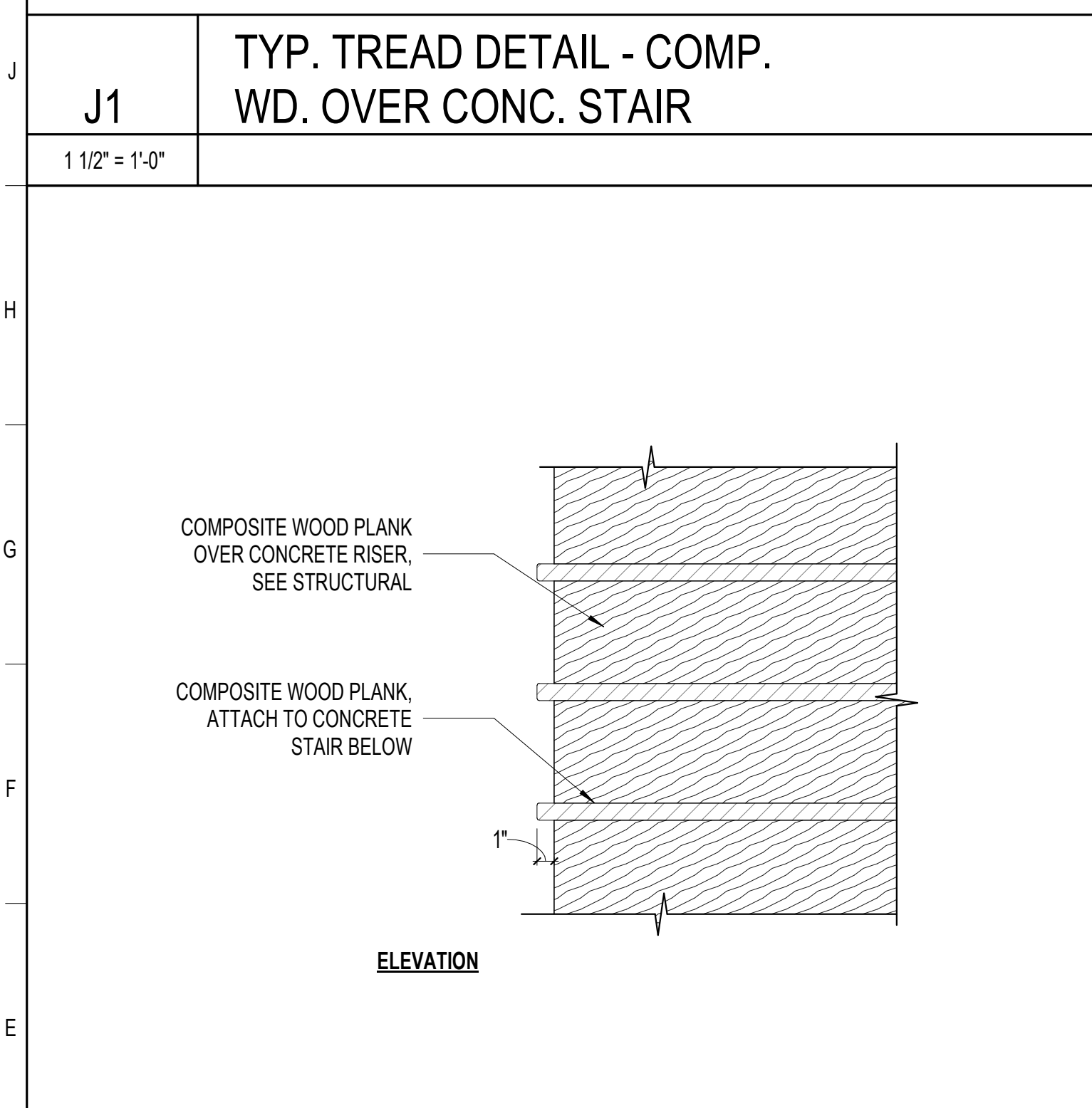
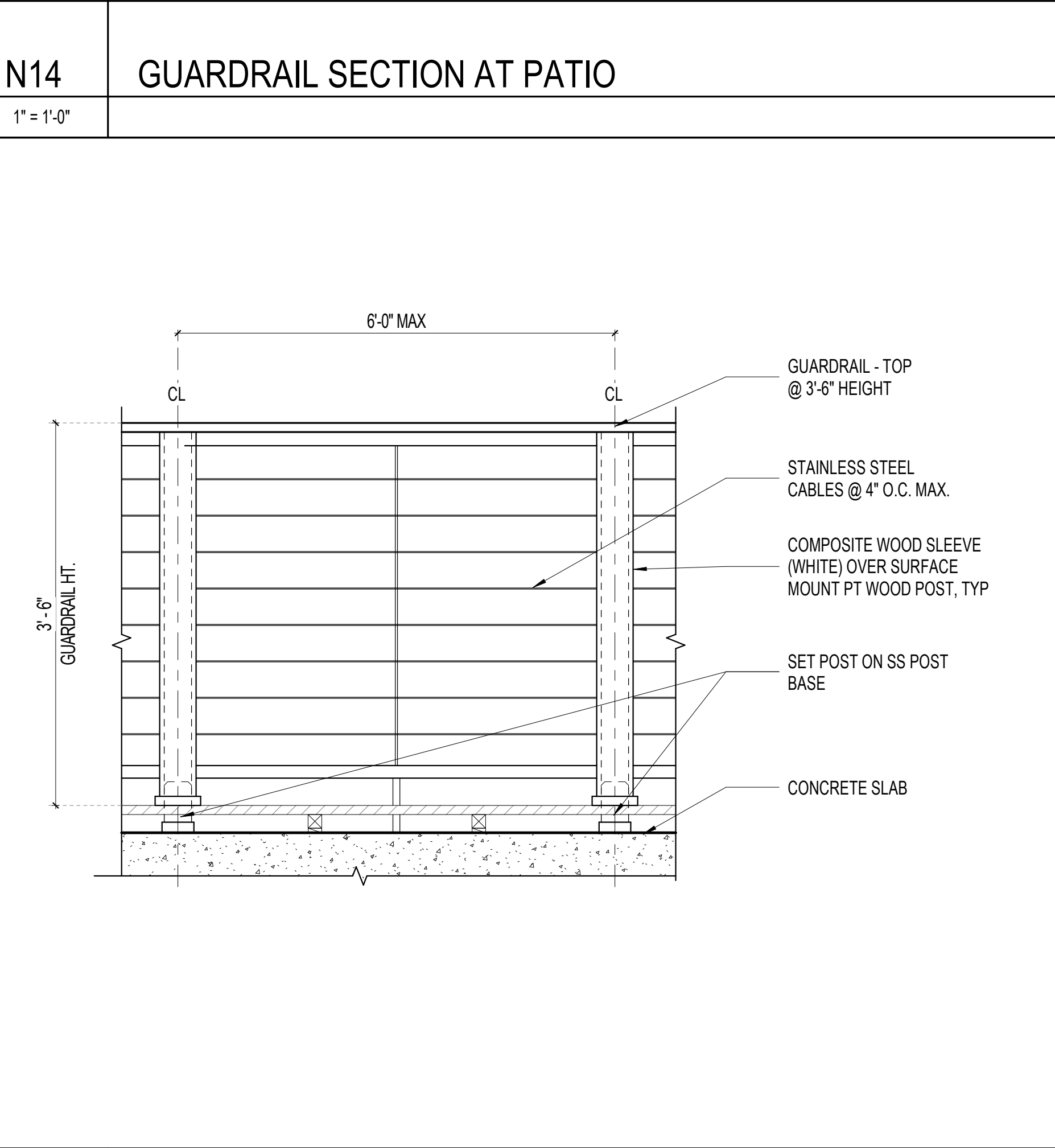
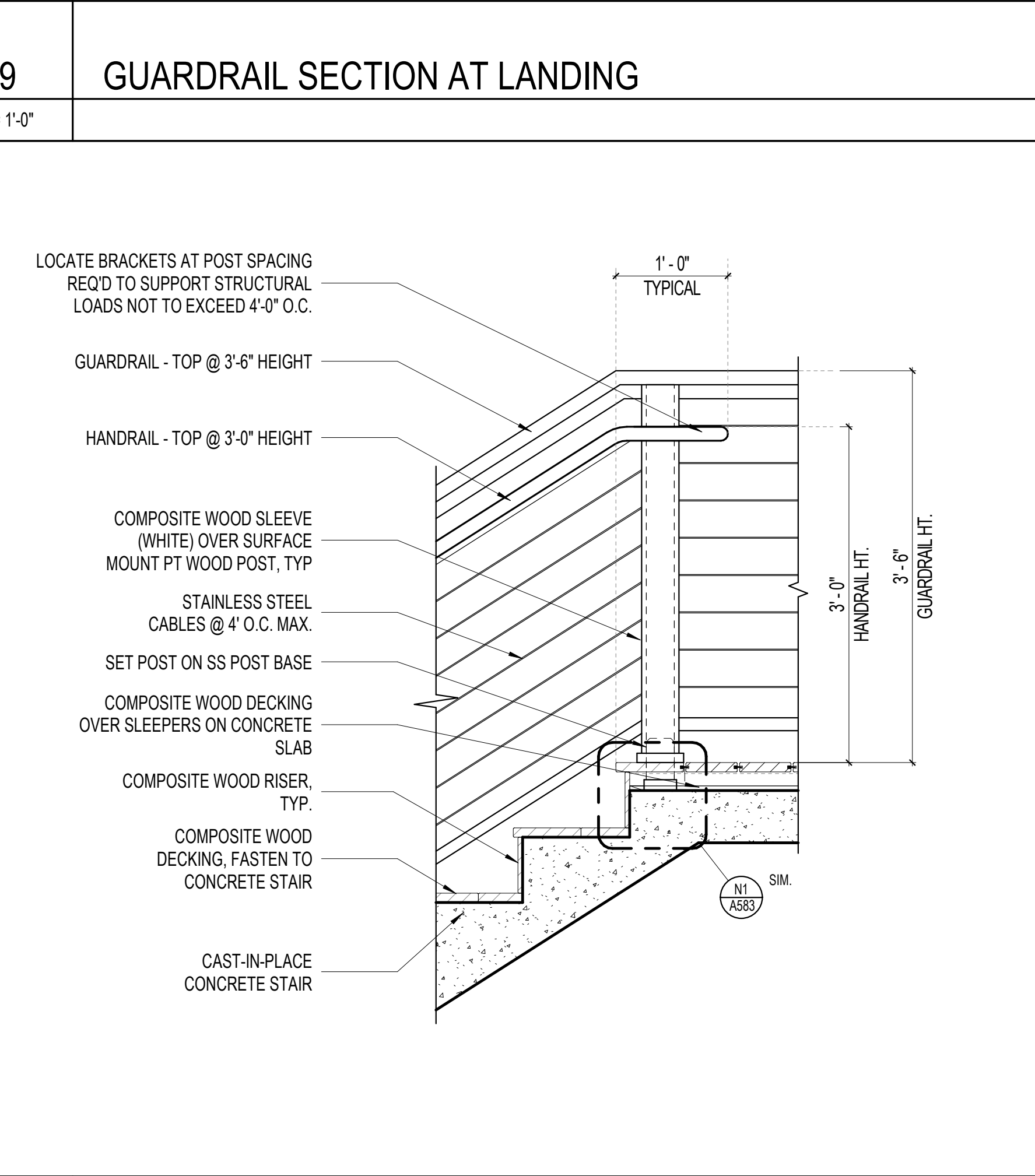
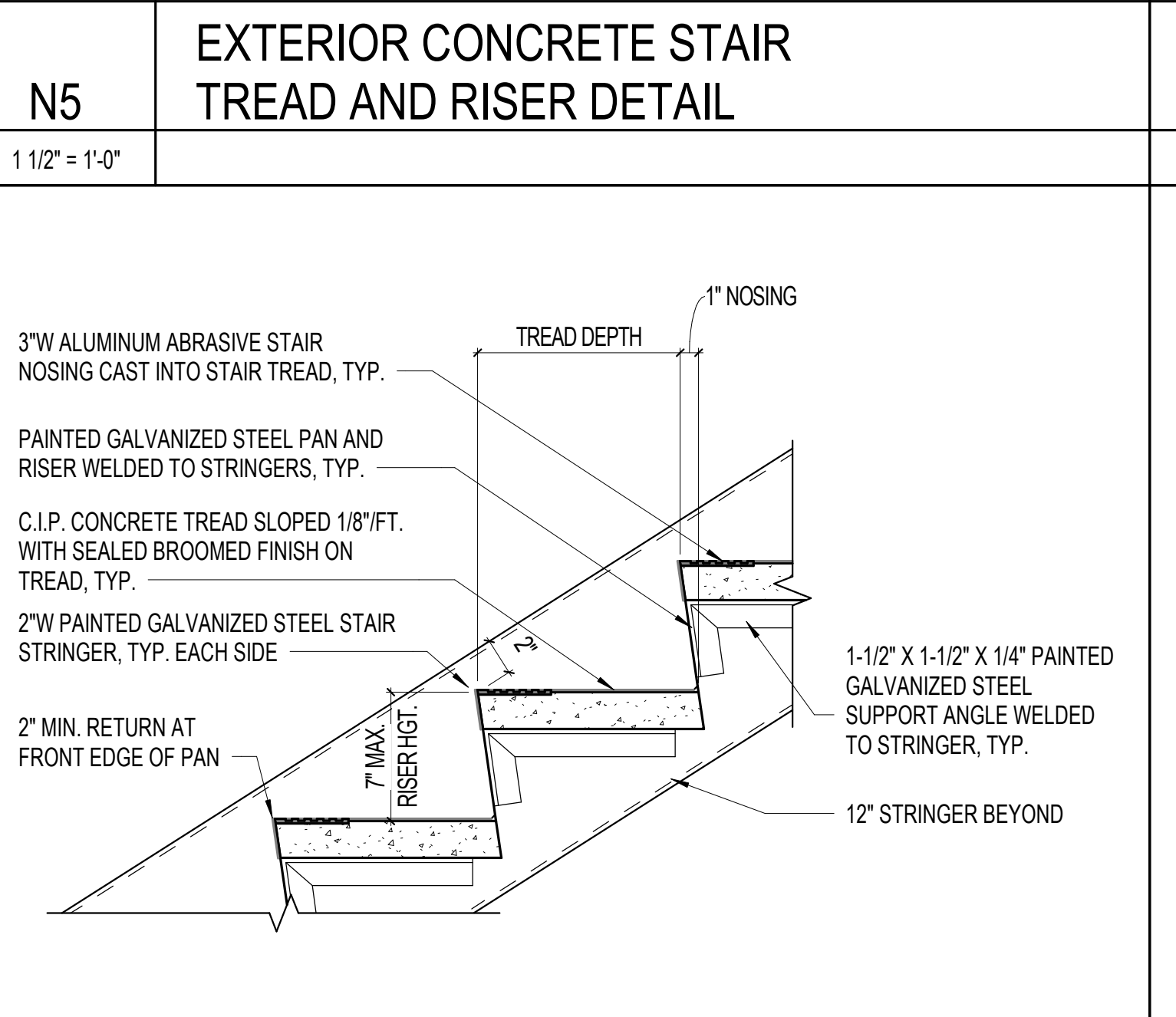
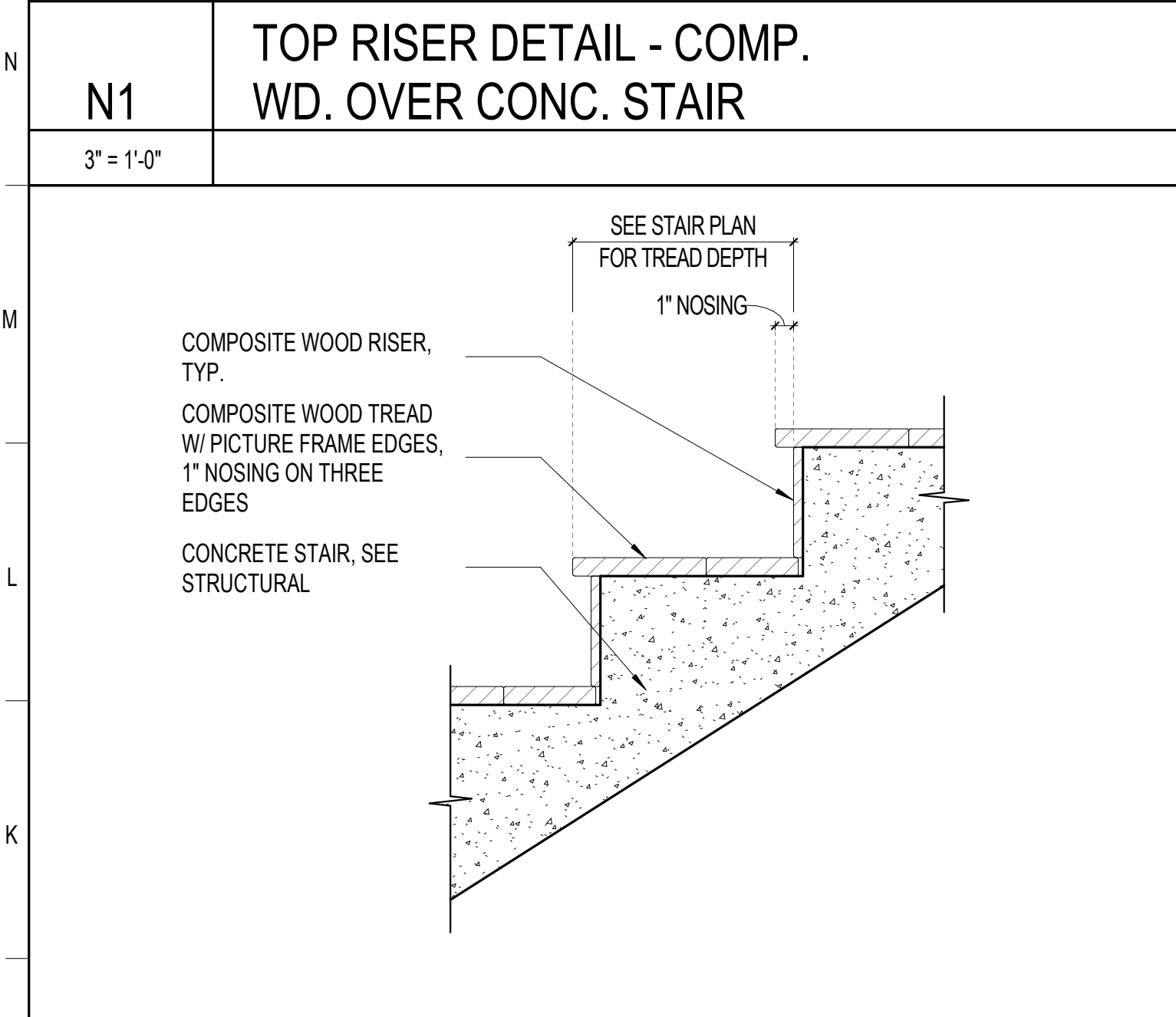
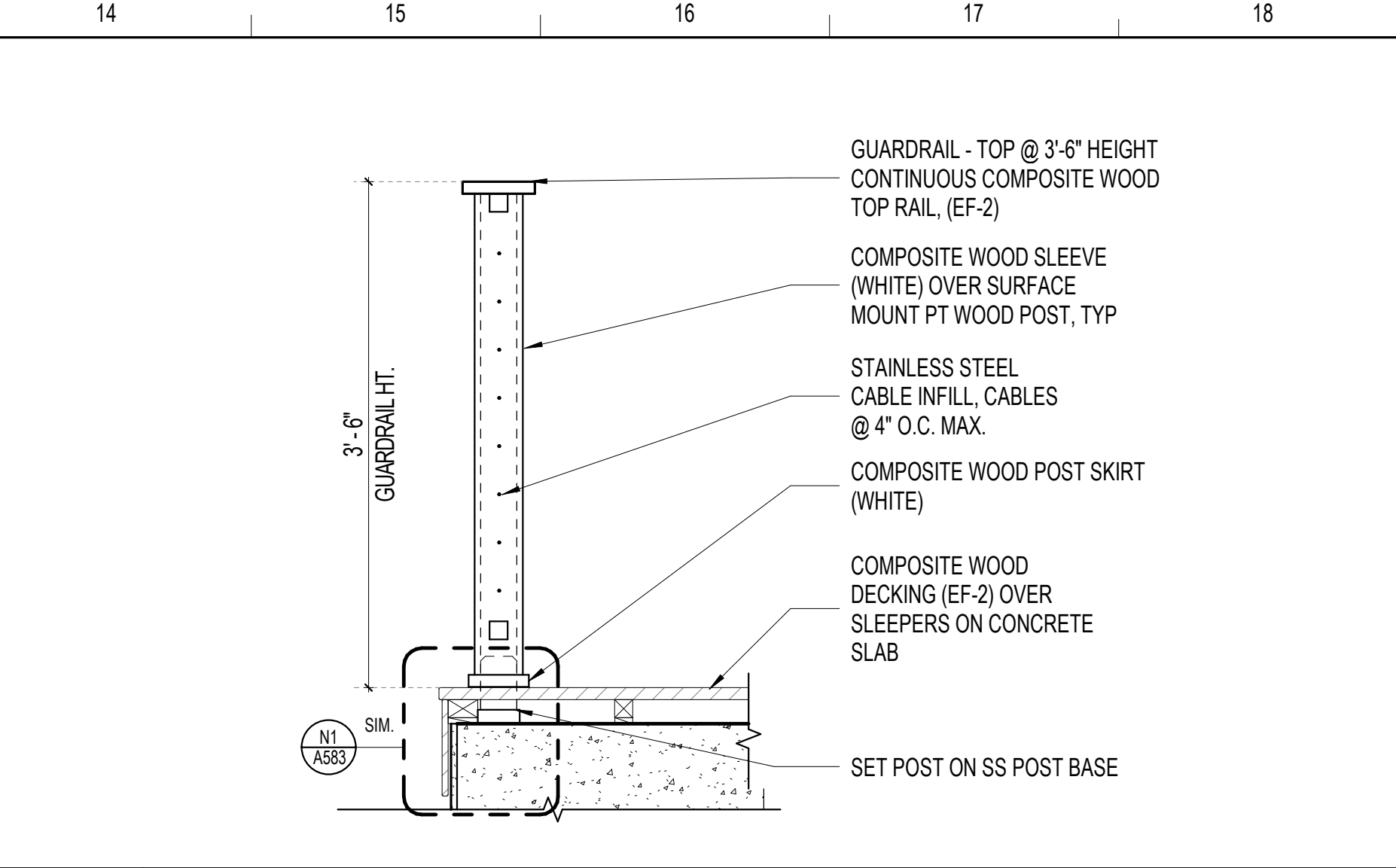
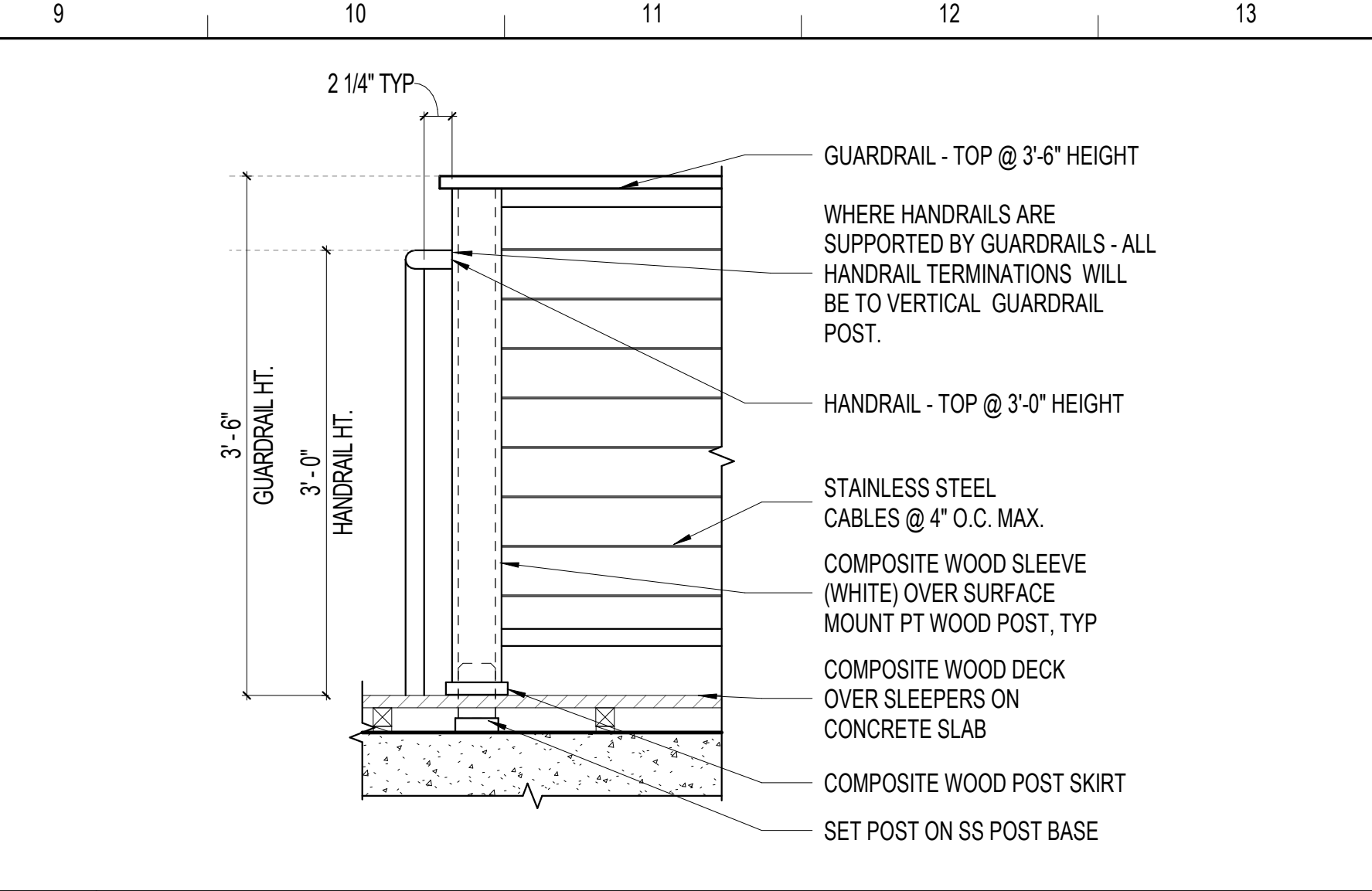
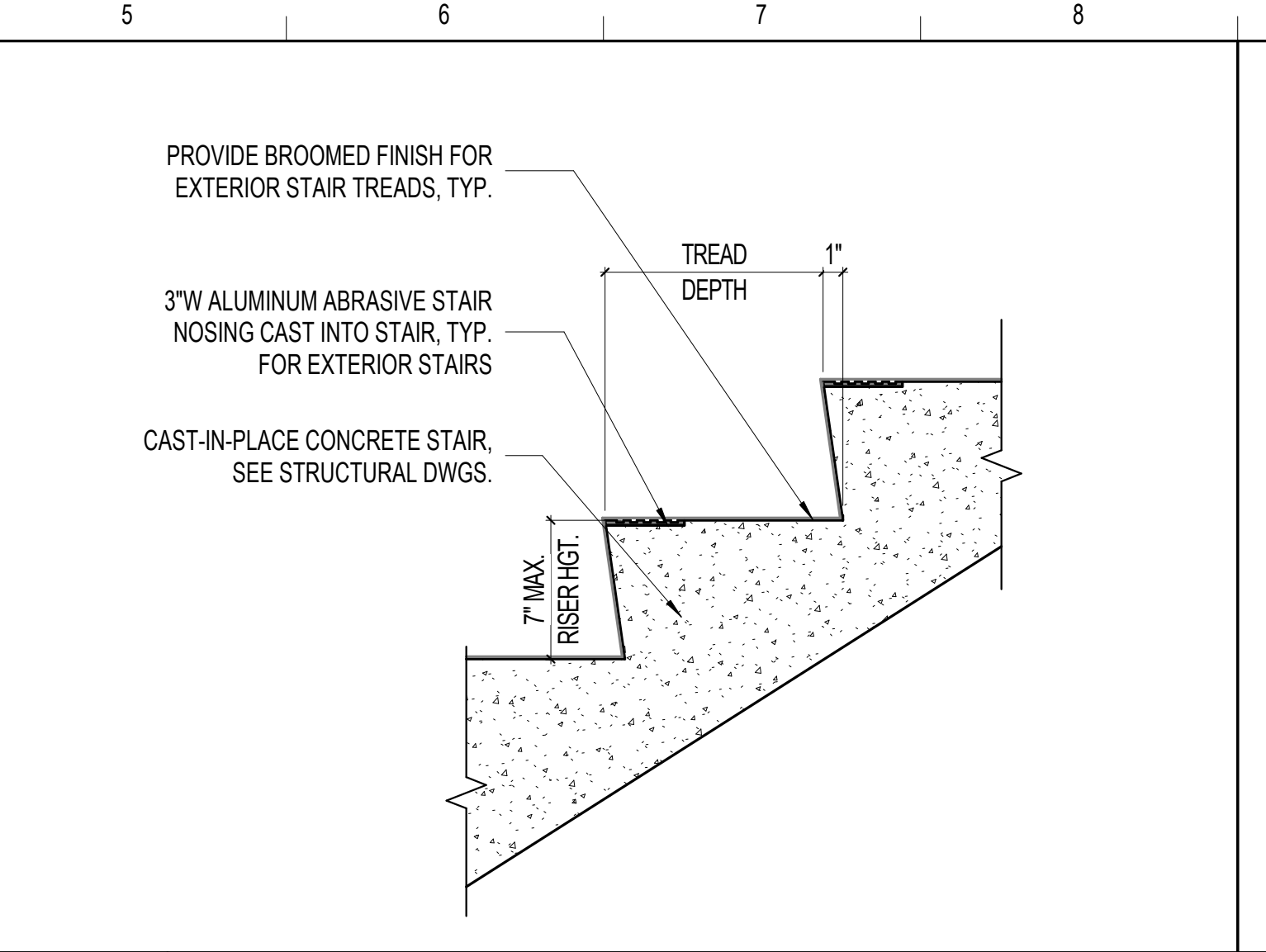
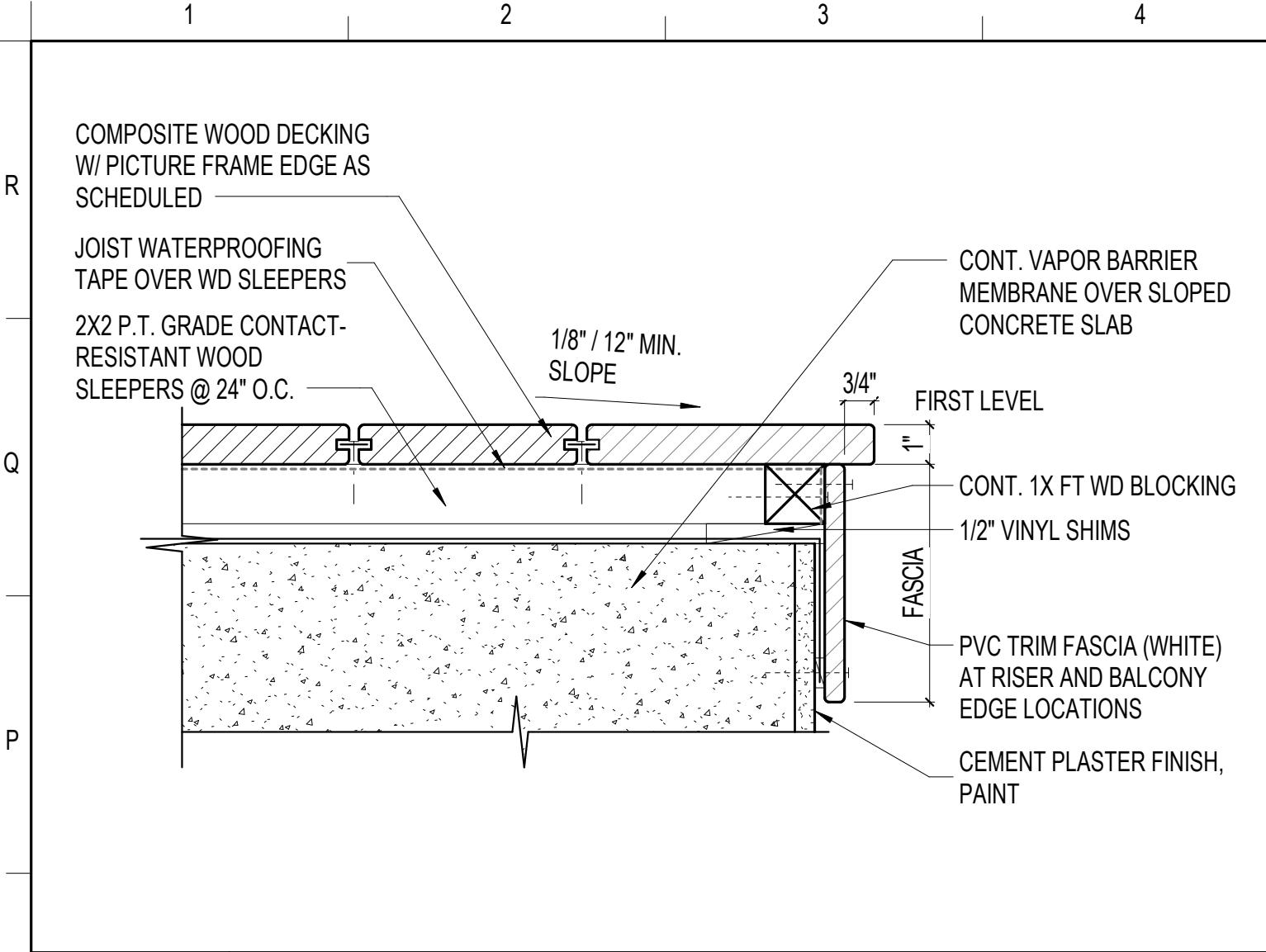
SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



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| MARK | DESCRIPTION | DATE |
| 1 | PERSET COMMENTS | 10.14.24 |



COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: Author

DETAILS - EXTERIOR STAIR

A583

100% CONSTRUCTION DOCUMENTS

NOT RELEASED FOR CONSTRUCTION

sanibel fire station

100% CD SET
CITY OF SANIBEL, FL

sheet index

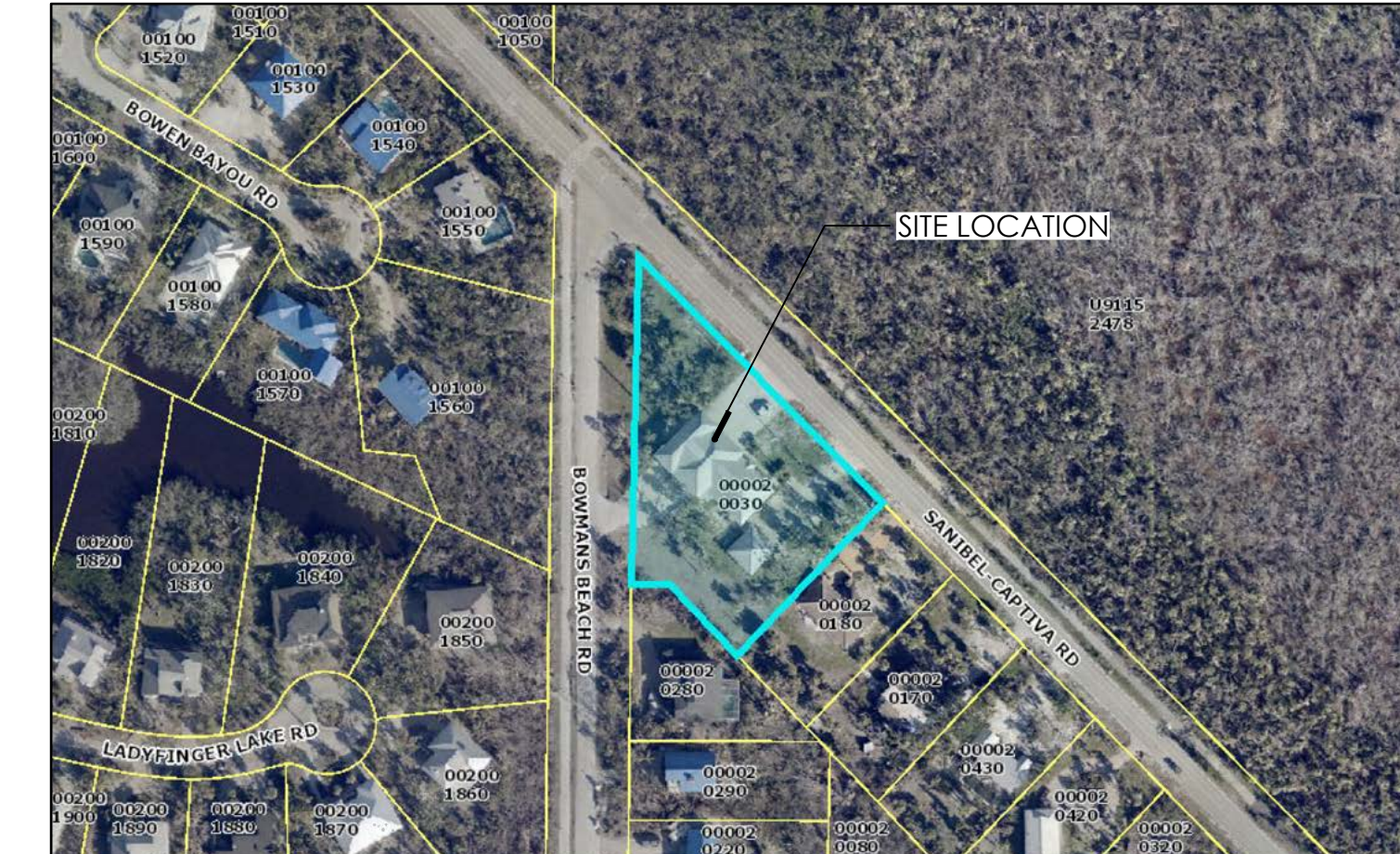
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| C | COVER | 4 |
| EX-1 | VEGETATION IMPACT PLAN | |
| LP-1 | CODE REQUIREMENT PLAN | |
| LP-2 | PROPOSED PLANTING PLAN RENDERED | |
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| IR-1 | PROPOSED IRRIGATION PLAN | |
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Context Map - Not To Scale
(aerial imagery from Leepa - captured 09/8/2023)

OWNER
SANIBEL FIRE + RESCUE DISTRICT
2351 PALM RIDGE RD
SANIBEL FL 33957

ENGINEER
LISA M. GIORDANO, P.E.
PROJECT MANAGER
RESPEC
1605 HENDRY STREET
FORT MYERS, FL 33901
239.418.0691
LISA.GIORDANO@RESPEC.COM



Project Map - Not To Scale
(aerial imagery from Leepa - captured 08/8/2023)

ARCH
SCHENKELSHULTZ
ARCHITECTURE
9510 CORKSCREW PALMS CIRCLE
ESTERO, FL 33928
VOICE (239) 208-4846

SURVEYOR
5237 SUMMERLIN COMMONS BLVD
SUITE 411 FORT MYERS, FL 33907
Tel: 833-425-5364 Fax: 833-425-5363
Email: surveying@galldo.com

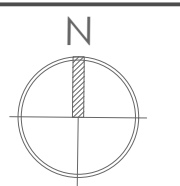
PROPERTY INFORMATION
Project Strap Number: 18-46-22-T1-00002.0030
Folio ID: 10020649
Refer to Engineer Plans for Legal Description

LEIGH A. GEVELINGER - State of Florida Professional
Landscape Architect, License No. LA6667171. This item has
been electronically signed and sealed by LEIGH A.
GEVELINGER, LA on 02/02/2024 using a Digital Signature.
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SANIBEL FIRE STATION

5171 Sanibel-Captiva Road
Sanibel, FL 33957

COVER



Primary Issue Date: 09/11/2023
PLAN REVISIONS:

| Version | Notes | Date |
|---------|------------------------------|------------|
| 01 | 60% CD Set | 10/20/2023 |
| 02 | 90% CD Set | 11/10/2023 |
| 03 | 100% CD Set | 12/22/2023 |
| 04 | SANIBEL BUFFER LDC UPDATE | 02/16/2024 |
| | | |
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| | | |
| | | |
| | | |

LEIGH A. GEVELINGER, P.L.A.
FL LICENSE NO. LA 6667171

PROJECT #: 23-049

SHEET: C

FOR PERMITTING & FOR BID ONLY. NOT FOR CONSTRUCTION.

23-049 - SANIBEL FIRE STATION.dwg

SANIBEL-CAPTIVA ROAD

20 FT. WIDTH BUFFER x 347 LF = 6940 SF IF 100% PLANTABLE
(6940 SF TOTAL BUFFER) - 1482 SF (OF PARKING/WALK AREA)
= 5458 SF OF PLANTABLE BUFFER AREA

PER SEC. 122-48 & 122-49

LARGE/MEDIUM TREE (1 : 75 SF)

5458 SF / 75 = 73 (73 x .85 ALL NATIVE) = 62 Large/medium native Tree required

| Category | Spacing | Required | Existing | PROPOSED |
|---------------------|---------|----------|----------|----------|
| Large / Medium Tree | 1/75 SF | 62 | 9 | 53 |

SMALL TREE/ SHRUB (1 : 30 SF)

5458 SF + 30 = 182 (182 x .85 ALL NATIVE) = 155 Small Tree/shrub native Required

| Category | Spacing | Required | Existing | PROPOSED |
|--------------------|---------|----------|----------|----------|
| Small Tree / Shrub | 1/30 SF | 155* | 1 | 154 |

SMALL SHRUB/GROUNDCOVER (1 : 25 SF)

5458 SF + 25 = 218 Small Shrub/groundcover Required

| Category | Spacing | Required | Existing | PROPOSED |
|-------------------------|---------|----------|----------|----------|
| Small Shrub/Groundcover | 1/25 SF | 218 | 0 | 218 |

*154 x 25 = 39 SMALL TREE REQUIRED

BOWMAN'S BEACH RD

20 FT. WIDTH BUFFER x 288 LF = 5760 SF IF 100% PLANTABLE
(5760 SF TOTAL BUFFER) - 1080 SF (OF PARKING/WALK AREA)
= 4680 SF OF PLANTABLE BUFFER AREA

PER SEC. 122-48 & 122-49

LARGE/MEDIUM TREE (1 : 75 SF)

4680 SF / 75 = 63 (63 x .85 ALL NATIVE) = 54 Large/medium native Tree required

| Category | Spacing | Required | Existing | PROPOSED |
|---------------------|---------|----------|----------|----------|
| Large / Medium Tree | 1/75 SF | 54 | 9 | 45 |

SMALL TREE/ SHRUB (1 : 30 SF)

4680 SF + 30 = 156 (156 x .85 ALL NATIVE) = 133 Small Tree/shrub native Required

| Category | Spacing | Required | Existing | PROPOSED |
|--------------------|---------|----------|----------|----------|
| Small Tree / Shrub | 1/30 SF | 133* | 1 | 132 |

SMALL SHRUB/GROUNDCOVER (1 : 25 SF)

4680 SF + 25 = 188 Small Shrub/groundcover Required

| Category | Spacing | Required | Existing | PROPOSED |
|-------------------------|---------|----------|----------|----------|
| Small Shrub/Groundcover | 1/25 SF | 188 | 0 | 188 |

*133 x 25 = 33 SMALL TREE REQUIRED

EAST BUFFER

15 FT. WIDTH BUFFER x 180 LF = 2700 SF

PER SEC. 122-48 & 122-49

LARGE/MEDIUM TREE (1 : 75 SF)

2700 SF / 75 = 36 (36 x .85 ALL NATIVE) = 31 Large/medium Native Tree required

| Category | Spacing | Required | Existing | PROPOSED |
|---------------------|---------|----------|----------|----------|
| Large / Medium Tree | 1/75 SF | 31 | 10 | 21 |

SMALL TREE/ SHRUB (1 : 30 SF)

2700 SF + 30 = 90 (90 x .85 ALL NATIVE) = 77 Small Tree/shrub native Required

| Category | Spacing | Required | Existing | PROPOSED |
|--------------------|---------|----------|----------|----------|
| Small Tree / Shrub | 1/30 SF | 77* | 0 | 77 |

SMALL SHRUB/GROUNDCOVER (1 : 25 SF)

2700 SF + 25 = 108 Small Shrub/groundcover Required

| Category | Spacing | Required | Existing | PROPOSED |
|-------------------------|---------|----------|----------|----------|
| Small Shrub/Groundcover | 1/25 SF | 108 | 0 | 108 |

*77 x 25 = 19 SMALL TREE REQUIRED

SOUTH BUFFER

15 FT. WIDTH BUFFER x 99 LF = 1485 SF

PER SEC. 122-48 & 122-49

LARGE/MEDIUM TREE (1 : 75 SF)

1485 SF / 75 = 20 (20 x .85 ALL NATIVE) = 17 Large/medium native Tree required

| Category | Spacing | Required | Existing | PROPOSED |
|---------------------|---------|----------|----------|----------|
| Large / Medium Tree | 1/75 SF | 17 | 2 | 15 |

SMALL TREE/ SHRUB (1 : 30 SF)

1485 SF + 30 = 50 (50 x .85 ALL NATIVE) = 43 Small Tree/shrub Required

| Category | Spacing | Required | Existing | PROPOSED |
|--------------------|---------|----------|----------|----------|
| Small Tree / Shrub | 1/30 SF | 43 | 0 | 43 |

SMALL SHRUB/GROUNDCOVER (1 : 25 SF)

1485 SF + 25 = 60 Small Shrub/groundcover Required

| Category | Spacing | Required | Existing | PROPOSED |
|-------------------------|---------|----------|----------|----------|
| Small Shrub/Groundcover | 1/25 SF | 60 | 0 | 60 |

*43 x 25 = 11 SMALL TREE REQUIRED

INTERIOR PARKING

9 PARKING X 20 SF =
MIN 180 SF INT LAND
PER SEC. 126-1405

LARGE/MEDIUM TREE (1 : 200 SF)

180 SF / 200 X 1 = 1 Large/medium Tree required

| Category | Required | Existing | PROPOSED |
|---------------------|----------|----------|----------|
| Large / Medium Tree | 1 | 0 | 1 |

SMALL TREE/ SHRUB (1 : 30 SF)

180 SF / 200 X 5 = 4.5 Small Tree/medium shrubs required

| Category | Required | Existing | PROPOSED |
|--------------------|----------|----------|----------|
| Small Tree / Shrub | 5 | 0 | 5 |

SMALL SHRUB/GROUNDCOVER (1 : 25 SF)

180 SF / 200 X 8 = 7.2 groundcovers required

| Category | Required | Existing | PROPOSED |
|-------------------------|----------|----------|----------|
| Small Shrub/Groundcover | 8 | 0 | 8 |

Small Shrub/Groundcover

BUFFER VEGETATION NOTES:

SEC. 122-47 - VEGETATION BUFFERS REQUIRED.
IN ADDITION TO THE INTERIOR LANDSCAPING REQUIRED FOR PARKING AREAS BY SECTION 126-1405, ALL COMMERCIAL AND INSTITUTIONAL DEVELOPMENT AND USES (INCLUDING SPECIAL USES NOT EXEMPTED FROM COMPLIANCE WITH THIS DIVISION) SHALL INCLUDE STRIPS OF VEGETATION (CALLED "VEGETATION BUFFERS" IN THIS DIVISION), IN COMPLIANCE WITH THE STANDARDS OF THIS DIVISION FOR THE LOCATION, PLANTINGS, AND MAINTENANCE OF SUCH VEGETATION BUFFERS, AS A MEANS OF PROVIDING A BARRIER TO BOTH LIGHT AND SOUND CREATED BY SUCH USES AND FOR THE PURPOSE OF MAINTAINING A RURAL, NATURAL ENVIRONMENT ALONG CITY STREETS.

SEC. 122-48 - LOCATION AND SIZE OF REQUIRED VEGETATION BUFFERS.
VEGETATION BUFFERS REQUIRED BY THIS DIVISION SHALL BE LOCATED AND SIZED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:

1. A VEGETATION BUFFER AT LEAST 20 FEET IN DEPTH SHALL BE LOCATED ADJACENT TO THE RIGHT-OF-WAY OF ANY STREET.
2. VEGETATION BUFFERS AT LEAST 15 FEET IN DEPTH SHALL BE LOCATED ALONG ALL SIDE LOT LINES.
3. VEGETATION BUFFERS AT LEAST 15 FEET IN DEPTH SHALL BE LOCATED ALONG ALL REAR LOT LINES, OR ALONG THE BOUNDARY OF A COMMERCIAL DISTRICT IF SUCH BOUNDARY IS LOCATED ON THE PROPERTY CLOSER TO THE ABUTTING STREET THAN THE REAR LOT LINE.
4. THE MINIMUM DEPTHS FOR VEGETATION BUFFERS REQUIRED BY SUBSECTIONS (1) THROUGH (4) OF THIS SECTION MAY BE INCREASED BY THE CITY MANAGER OR HIS/HER DESIGNEE WHEN NECESSARY TO ACCOMMODATE DRAINAGE EASEMENTS AND FACILITIES, OVERHEAD POWER LINES, AND OTHER NATURAL OR MANMADE FEATURES LOCATED ALONG THE BOUNDARIES OF THE PARCEL IN QUESTION WHICH CONSTRAIN THE ESTABLISHMENT OF REQUIRED VEGETATION BUFFERS.
5. REQUIRED VEGETATION BUFFERS MUST BE ENTIRELY LOCATED BETWEEN THE PROPERTY LINES OF A LOT OR PARCEL AND ALL STRUCTURAL DEVELOPMENT AND DRIVEWAYS AND PARKING AREAS LOCATED ON SUCH LOT OR PARCEL.

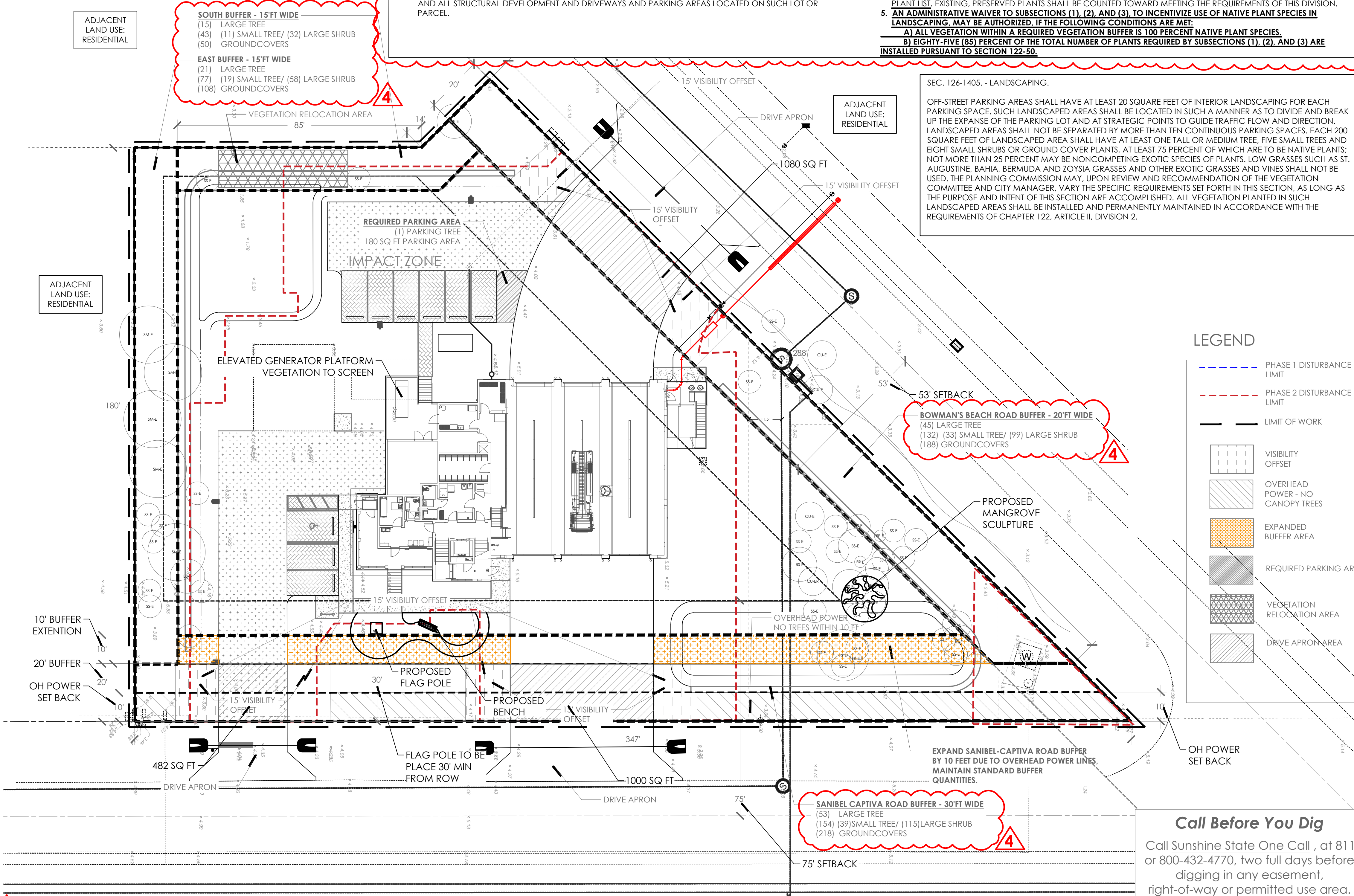
BUFFER VEGETATION NOTES CONT:

SEC. 122-49 - TYPES, VARIETIES AND NUMBERS OF PLANTS REQUIRED.
EACH VEGETATION BUFFER REQUIRED BY THIS DIVISION SHALL BE INSTALLED WITH PLANTS MEETING THE FOLLOWING REQUIREMENTS:

1. EACH REQUIRED VEGETATION BUFFER SHALL INCLUDE AT LEAST ONE LARGE OR MEDIUM TREE FOR EACH 75 SQUARE FEET OF THE REQUIRED BUFFER AREA, EXCLUDING AREAS WITHIN EXISTING OR PROPOSED INGRESS-EGRESS DRIVEWAYS OR INTER- AND INTRA-CONNECTIVITY PATHWAYS, WITH A MINIMUM OF SIX DIFFERENT SPECIES OF NATIVE PLANTS INCLUDED.
2. EACH REQUIRED VEGETATION BUFFER SHALL INCLUDE AT LEAST ONE SMALL TREE OR MEDIUM SHRUB FOR EACH 30 SQUARE FEET OF THE REQUIRED BUFFER AREA EXCLUDING AREAS WITHIN EXISTING OR PROPOSED INGRESS-EGRESS DRIVEWAYS OR INTER- AND INTRA-CONNECTIVITY PATHWAYS, (AT LEAST 25 PERCENT OF WHICH MUST BE SMALL TREES), WITH A MINIMUM OF FIVE DIFFERENT SPECIES OF NATIVE PLANTS INCLUDED.
3. EACH REQUIRED VEGETATION BUFFER SHALL INCLUDE AT LEAST ONE LOW GROWING (SMALL) SHRUB OR GROUNDCOVER PLANT FOR EACH 25 SQUARE FEET OF THE REQUIRED BUFFER AREA, EXCLUDING AREAS WITHIN EXISTING OR PROPOSED INGRESS-EGRESS DRIVEWAYS OR INTER- AND INTRA-CONNECTIVITY PATHWAYS, WITH A MINIMUM OF THREE DIFFERENT SPECIES OF NATIVE PLANTS INCLUDED. NO ST. AUGUSTINE, BERMUDA, ZOYSIA, BAHIA OR SOD-TYPE GRASSES OR VINES SHALL BE USED TO SATISFY THIS REQUIREMENT.
4. A MINIMUM OF 75 PERCENT OF THE PLANTS REQUIRED BY EACH OF THE SUBSECTIONS (1) THROUGH (3) OF THIS SECTION SHALL BE NATIVE PLANTS. THE REMAINDER MAY BE EITHER NATIVE PLANTS OR NONCOMPETING EXOTIC SPECIES OF PLANT. INVASIVE EXOTIC VEGETATION SHALL NOT BE PERMITTED WITHIN THE REQUIRED BUFFERS. FOR THE PURPOSES OF THIS CALCULATION, COCONUT PALM IS DESIGNATED AS A NON-COMPETING EXOTIC SPECIES. THE CATEGORY FOR NATIVE PLANTS (AS LARGE OR MEDIUM TREES, SMALL TREES OR MEDIUM SHRUBS, OR LOW GROWING (SMALL) SHRUBS OR GROUNDCOVER PLANTS) IS SPECIFIED ON THE CITY'S HORTICULTURALLY AVAILABLE NATIVE PLANTS LIST. THE APPLICABLE CATEGORY FOR NONCOMPETING EXOTIC SPECIES OF PLANT SHALL BE AS DETERMINED BY THE CITY MANAGER, OR THE MANAGER'S DESIGNEE, CATEGORIZED BY SIZE IN A MANNER CONSISTENT WITH THE HORTICULTURALLY AVAILABLE NATIVE PLANT LIST. EXISTING, PRESERVED PLANTS SHALL BE COUNTED TOWARD MEETING THE REQUIREMENTS OF THIS DIVISION.
5. **AN ADMINISTRATIVE WAIVER TO SUBSECTIONS (1), (2), AND (3), TO INCENTIVIZE USE OF NATIVE PLANT SPECIES IN LANDSCAPING, MAY BE AUTHORIZED, IF THE FOLLOWING CONDITIONS ARE MET:**
 A) ALL VEGETATION WITHIN A REQUIRED VEGETATION BUFFER IS 100 PERCENT NATIVE PLANT SPECIES.
 B) EIGHTY-FIVE (85) PERCENT OF THE TOTAL NUMBER OF PLANTS REQUIRED BY SUBSECTIONS (1), (2), AND (3) ARE INSTALLED PURSUANT TO SECTION 122-50.

SEC. 126-1405 - LANDSCAPING.

OFF-STREET PARKING AREAS SHALL HAVE AT LEAST 20 SQUARE FEET OF INTERIOR LANDSCAPING FOR EACH PARKING SPACE. SUCH LANDSCAPED AREAS SHALL BE LOCATED IN SUCH A MANNER AS TO DIVIDE AND BREAK UP THE EXPANSE OF THE PARKING LOT AND AT STRATEGIC POINTS TO GUIDE TRAFFIC FLOW AND DIRECTION. LANDSCAPED AREAS SHALL NOT BE SEPARATED BY MORE THAN TEN CONTINUOUS PARKING SPACES. EACH 200 SQUARE FEET OF LANDSCAPED AREA SHALL HAVE AT LEAST ONE TALL OR MEDIUM TREE, FIVE SMALL TREES AND EIGHT SMALL SHRUBS OR GROUND COVER PLANTS, AT LEAST 75 PERCENT OF WHICH ARE TO BE NATIVE PLANTS; NOT MORE THAN 25 PERCENT MAY BE NONCOMPETING EXOTIC SPECIES OF PLANTS. LOW GRASSES SUCH AS ST. AUGUSTINE, BAHIA, BERMUDA, AND ZOYSIA GRASSES AND OTHER EXOTIC GRASSES AND VINES SHALL NOT BE USED. THE PLANNING COMMISSION MAY, UPON REVIEW AND RECOMMENDATION OF THE VEGETATION COMMITTEE AND CITY MANAGER, VARY THE SPECIFIC REQUIREMENTS SET FORTH IN THIS SECTION, AS LONG AS THE PURPOSE AND INTENT OF THIS SECTION ARE ACCOMPLISHED. ALL VEGETATION PLANTED IN SUCH LANDSCAPED AREAS SHALL BE INSTALLED AND PERMANENTLY MAINTAINED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 122, ARTICLE II, DIVISION 2.



LEGEND

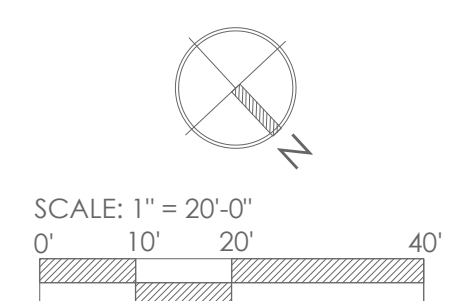
- PHASE 1 DISTURBANCE LIMIT
- PHASE 2 DISTURBANCE LIMIT
- LIMIT OF WORK
- VISIBILITY OFFSET
- OVERHEAD POWER - NO CANOPY TREES
- EXPANDED BUFFER AREA
- REQUIRED PARKING AREA
- VEGETATION RELOCATION AREA
- DRIVE APRON AREA

COASTAL VISTA DESIGN
 2410 PALM RIDGE ROAD
 SANIBEL ISLAND, FL 33957
 TEL: 239-558-4610
 INFO@COASTALVISTADESIGN.COM

SANIBEL FIRE STATION

5171 Sanibel-Captiva Road
Sanibel, FL 33957

CODE REQUIREMENTS PLAN



Primary Issue Date: 09/11/2023
PLAN REVISIONS:

| Version | Notes | Date |
|---------|---------------------------|------------|
| 01 | 60% CD Set | 10/20/2023 |
| 02 | 90% CD Set | 11/10/2023 |
| 03 | 100% CD Set | 12/22/2023 |
| 04 | SANIBEL BUFFER LDC UPDATE | 02/16/2024 |

Call Before You Dig
 Call Sunshine State One Call, at 811 or 800-432-4770, two full days before digging in any easement, right-of-way or permitted use area.

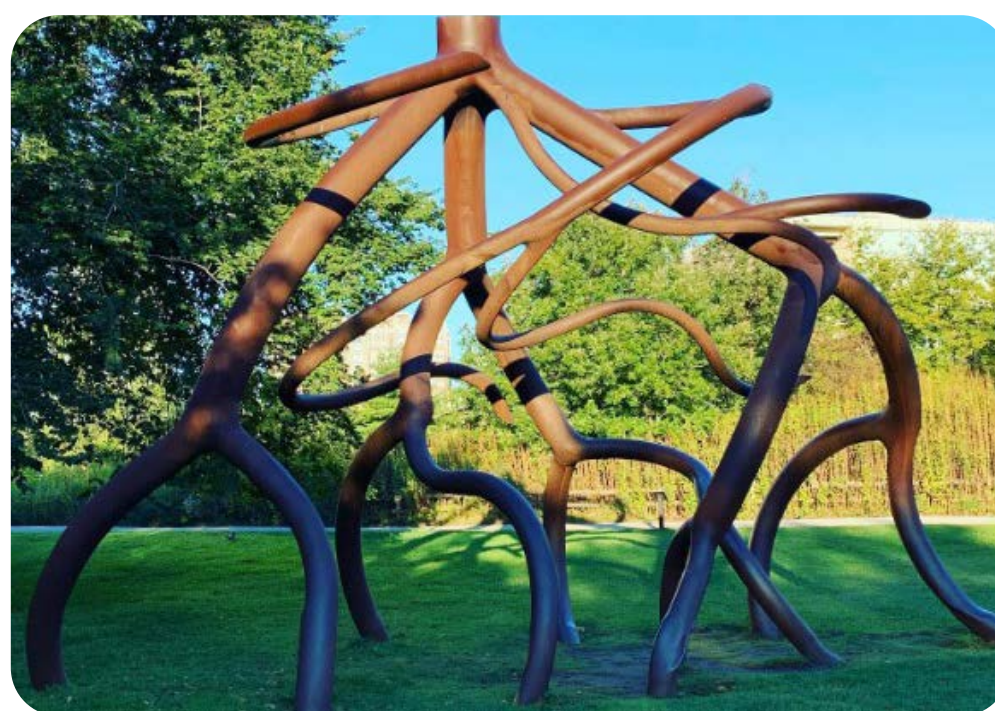
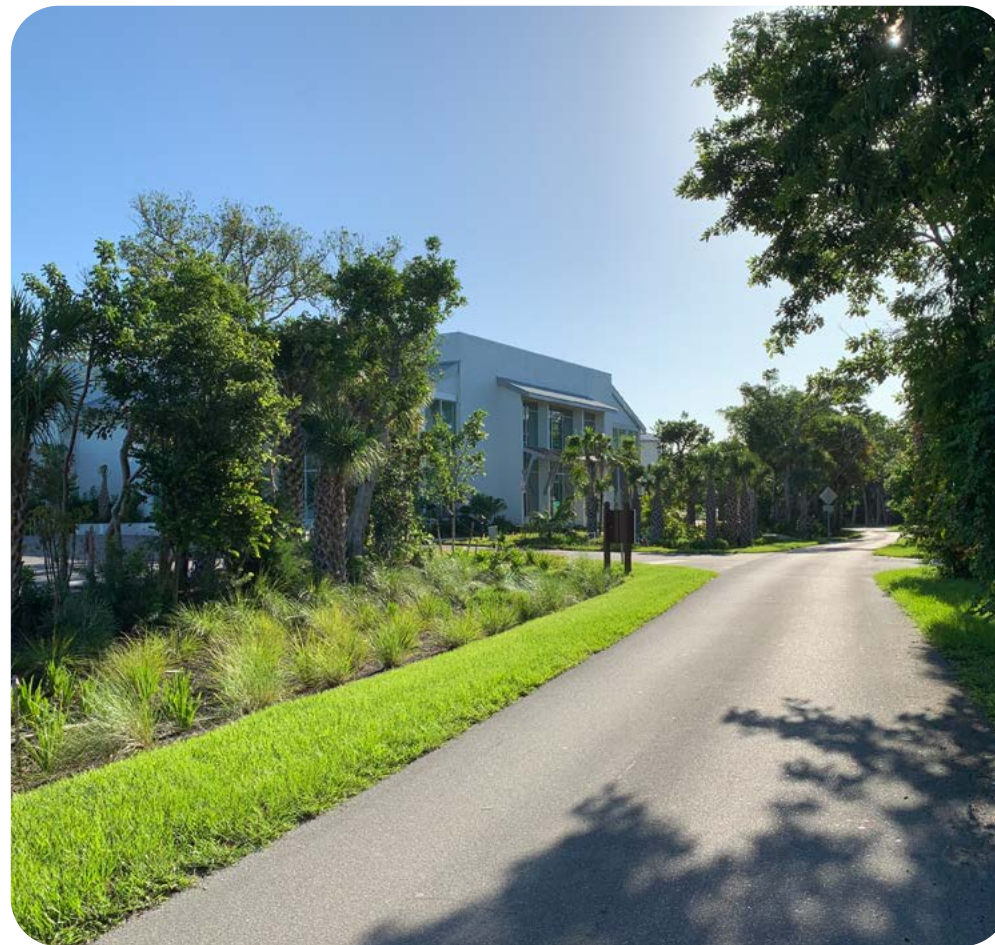
IMPORTANT: UNDERGROUND UTILITIES
 ALL VEGETATION TO BE INSTALLED SHALL AVOID ALL EXISTING AND PROPOSED UTILITIES. CONTRACTOR AND LANDSCAPE CONTRACTOR RESPONSIBLE FOR LOCATING AND MARKING ALL UTILITIES INCLUDING STORMWATER, CABLE AND SEWER UTILITIES.

PROJECT #: 23-049

SHEET: LP-1

FOR PERMITTING & FOR BID ONLY. NOT FOR CONSTRUCTION.

2/16/2024 2:41 PM



MITIGATION
 NATIVE VEGETATION IMPACTED AS PART OF BUILDING DEMOLITION TO BE MITIGATED 1:1 AS PART OF PROPOSED NATIVE PLANTINGS - SEE PLANT SCHEDULE FOR MITIGATION PLANTING SPECIES & SIZES
 REMOVED NATIVE PLANTS TO BE MITIGATED 1:1

ALL NATIVES REMOVED AROUND BUILDING TO BE MITIGATED 1:1 IN WEST BUFFER.
 FINAL VEGETATION COUNTS TO BE DETERMINED FOLLOWING DEMO. FINAL PLAN SHALL BE MINIMUM 75% NATIVE/25% NONINVASIVE EXOTIC. ALL PROPOSED PLANTINGS TO BE 100% NATIVE.

IMPORTANT:
 1. REFER TO ENGINEERING PLANS FOR SITE AND DRAINAGE & GRADING INFORMATION.
 2. PLANTING WITH THE DETENTION AREA SHALL BE APPROPRIATE FOR PERIODS OF INUNDATION.
 3. ALL AREAS NOT SHOWN AS PLANTING SHALL BE STABILIZED PER ENGINEER PLANS.

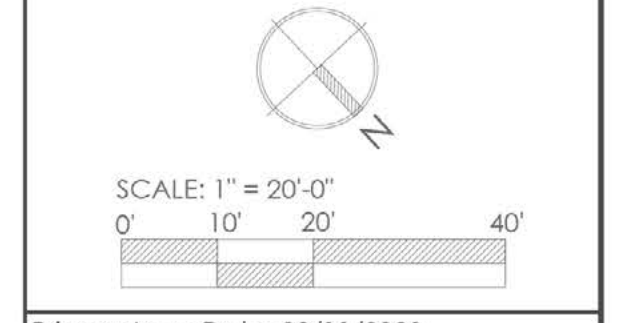
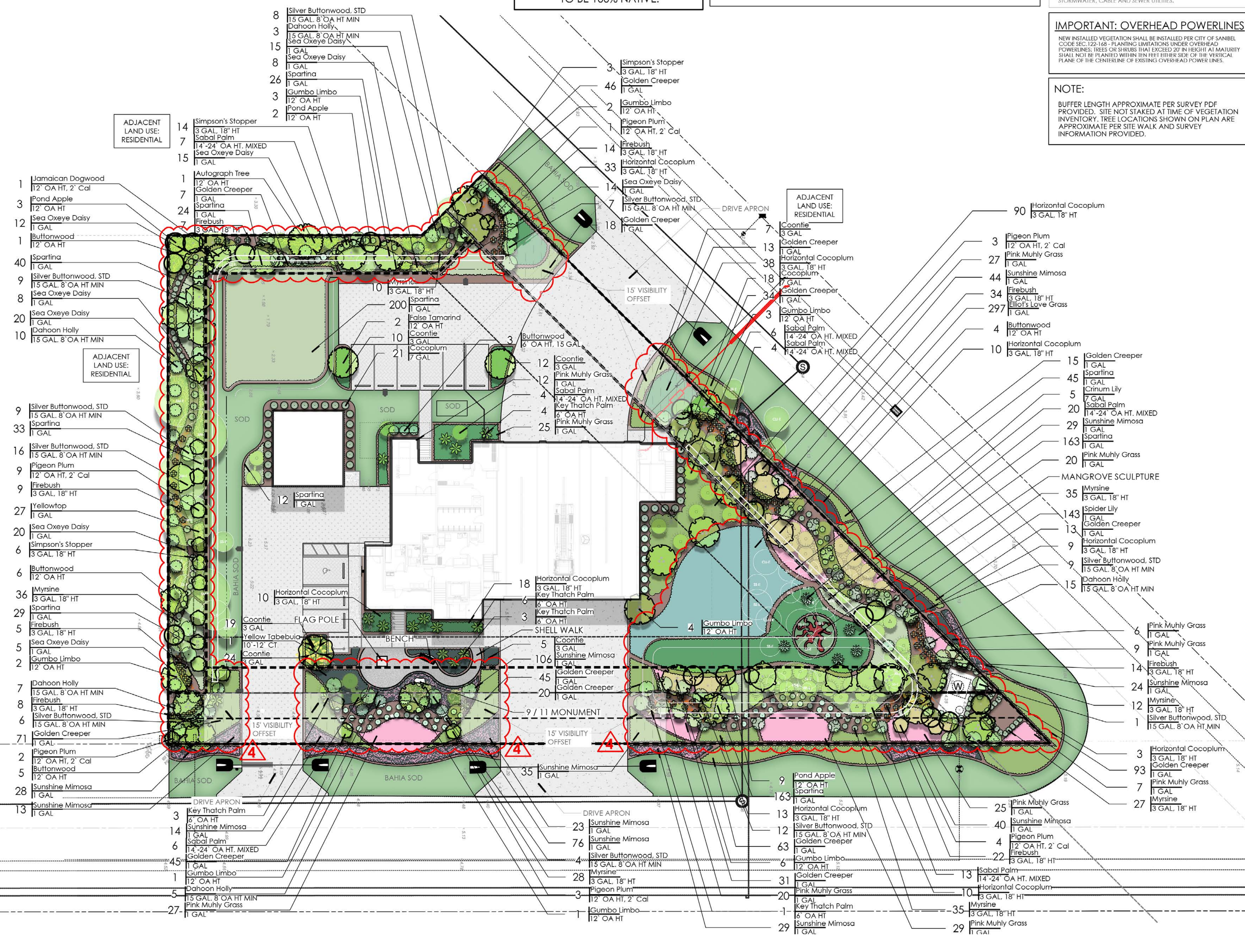
IMPORTANT: VEGETATION
 1. FINAL LANDSCAPE DESIGN, RELOCATIONS AND PLANT COUNTS PENDING REVIEW WITH NATURAL RESOURCES DEPARTMENT.
 2. TOTAL SITE SHALL BE 75% OR GREATER NATIVE VEGETATION THROUGH ALL THREE PLANT CATEGORIES. MAXIMUM OF 25% NON-NATIVE, NON-INVASIVE SPECIES MAY BE UTILIZED.
 3. SEE LANDSCAPE SCHEDULE FOR PLANT QUANTITIES & SIZES.
 4. SEE LP-7 FOR REQUIRED VEGETATION NOTES

Call Before You Dig
 Call Sunshine State One Call . at 811 or 800-432-4770, two full days before digging in any easement, right-of-way or permitted use area.

IMPORTANT: UNDERGROUND UTILITIES
 ALL VEGETATION TO BE INSTALLED SHALL AVOID ALL EXISTING AND PROPOSED UTILITIES. CONTRACTOR AND LANDSCAPE CONTRACTOR RESPONSIBLE FOR LOCATING AND MARKING ALL UTILITIES INCLUDING STORMWATER, CABLE AND SEWER UTILITIES.

IMPORTANT: OVERHEAD POWERLINES
 NEW INSTALLED VEGETATION SHALL BE INSTALLED PER CITY OF SANIBEL CODE SEC.122-148 - PLANTING LIMITATIONS UNDER OVERHEAD POWERLINES; TREES OR SHRUBS THAT EXCEED 20' IN HEIGHT AT MATURITY SHALL NOT BE PLANTED WITHIN TEN FEET EITHER SIDE OF THE VERTICAL PLANE OF THE CENTERLINE OF EXISTING OVERHEAD POWER LINES.

NOTE:
 BUFFER LENGTH APPROXIMATE PER SURVEY PDF PROVIDED. SITE NOT STAKED AT TIME OF VEGETATION INVENTORY. TREE LOCATIONS SHOWN ON PLAN ARE APPROXIMATE PER SITE WALK AND SURVEY INFORMATION PROVIDED.



Primary Issue Date: 09/11/2023
 PLAN REVISIONS:

| Revision | Notes | Date |
|----------|---------------------------|------------|
| 01 | 60% CD Set | 10/20/2023 |
| 02 | 90% CD Set | 11/10/2023 |
| 03 | 100% CD Set | 12/22/2023 |
| 04 | SANIBEL BUFFER LDC UPDATE | 02/16/2024 |

LEIGH A. GEVELINGER, P.L.A.
 FL LICENSE NO. LA 6667171

PROJECT #: 23-049

SHEET: LP-2

FOR PERMITTING & FOR BID ONLY. NOT FOR CONSTRUCTION.

MITIGATION
 NATIVE VEGETATION IMPACTED AS PART OF BUILDING DEMOLITION TO BE MITIGATED 1:1 AS PART OF PROPOSED NATIVE PLANTINGS - SEE PLANT SCHEDULE FOR MITIGATION PLANTING SPECIES & SIZES
 REMOVED NATIVE PLANTS TO BE MITIGATED 1:1

ALL NATIVES REMOVED AROUND BUILDING TO BE MITIGATED 1:1 IN WEST BUFFER.
 FINAL VEGETATION COUNTS TO BE DETERMINED FOLLOWING DEMO. FINAL PLAN SHALL BE MINIMUM 75% NATIVE/25% NONINVASIVE EXOTIC. ALL PROPOSED PLANTINGS TO BE 100% NATIVE.

IMPORTANT: IRRIGATION
 PROPOSED VEGETATION IS RECOMMENDED TO BE INSTALLED DURING SUMMER RAINY SEASON - IF POSSIBLE. PROPOSED VEGETATION SHALL BE WATERED IN FOR A MINIMUM OF 60 DAYS OR UNTIL ESTABLISHED. A TEMPORARY, ABOVE GROUND IRRIGATION SYSTEM MAY BE REQUIRED PENDING TIME OF YEAR OF LANDSCAPE INSTALLATION. OWNER/CLIENT TO APPROVE. A PERMANENT IRRIGATION SYSTEM IS NOT INCLUDED AS PART OF THIS PLAN SET.

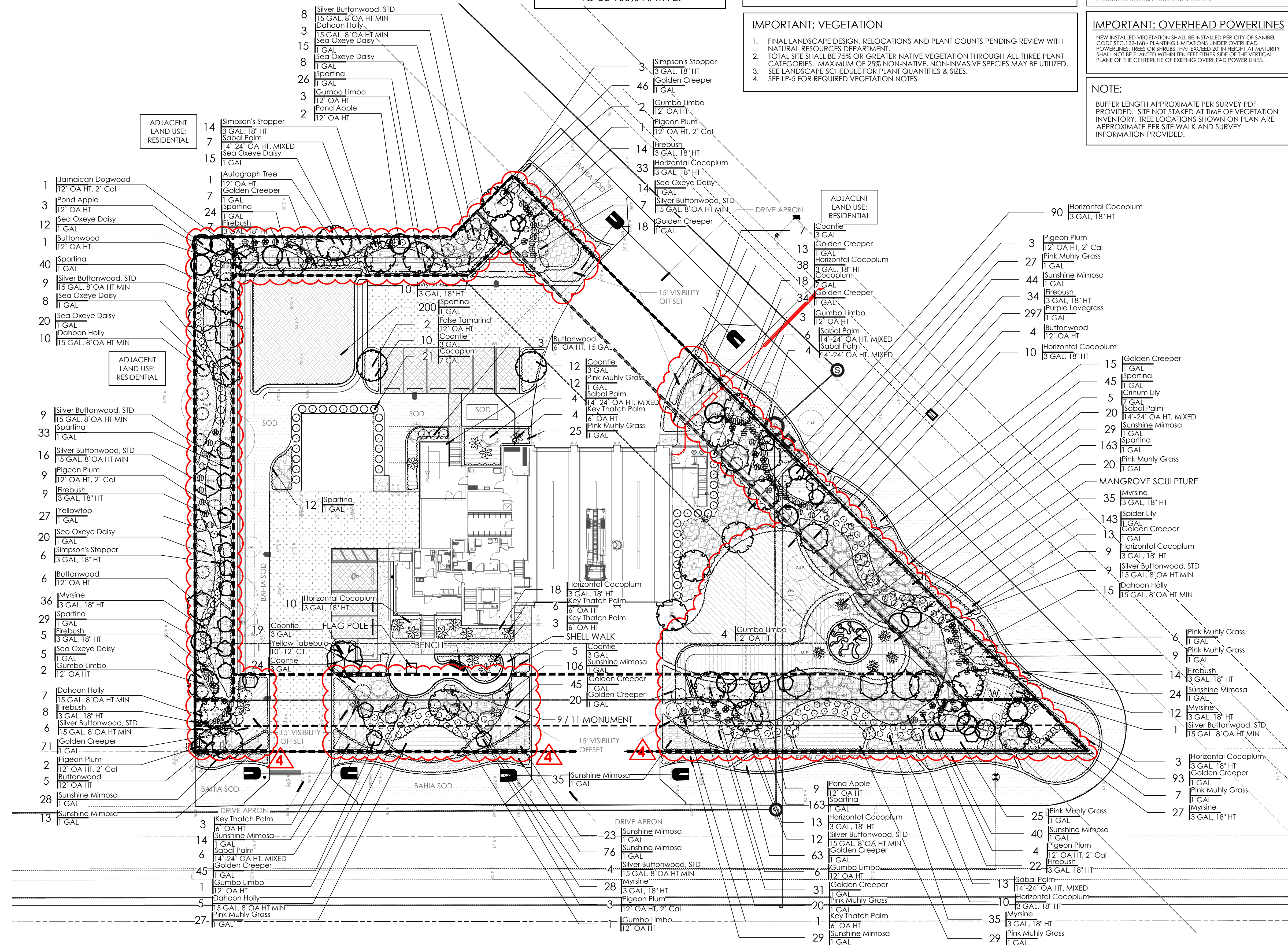
IMPORTANT: VEGETATION
 1. FINAL LANDSCAPE DESIGN, RELOCATIONS AND PLANT COUNTS PENDING REVIEW WITH NATURAL RESOURCES DEPARTMENT.
 2. TOTAL SITE SHALL BE 75% OR GREATER NATIVE VEGETATION THROUGH ALL THREE PLANT CATEGORIES. MAXIMUM OF 25% NON-NATIVE, NON-INVASIVE SPECIES MAY BE UTILIZED.
 3. SEE LANDSCAPE SCHEDULE FOR PLANT QUANTITIES & SIZES.
 4. SEE LP-5 FOR REQUIRED VEGETATION NOTES

Call Before You Dig
 Call Sunshine State One Call , at 811 or 800-432-4770, two full days before digging in any easement, right-of-way or permitted use area.

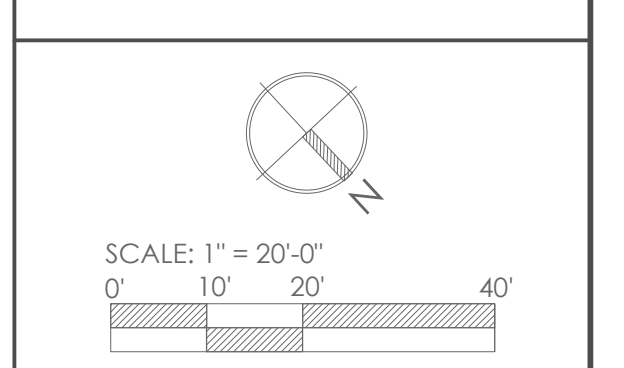
IMPORTANT: UNDERGROUND UTILITIES
 ALL VEGETATION TO BE INSTALLED SHALL AVOID ALL EXISTING AND PROPOSED UTILITIES. CONTRACTOR AND LANDSCAPE CONTRACTOR RESPONSIBLE FOR LOCATING AND MARKING ALL UTILITIES INCLUDING STORMWATER, CABLE AND SEWER UTILITIES.

IMPORTANT: OVERHEAD POWERLINES
 NEW INSTALLED VEGETATION SHALL BE INSTALLED PER CITY OF SANIBEL CODE SEC. 122-168 - PLANTING LIMITATIONS UNDER OVERHEAD POWERLINES: TREES OR SHRUBS THAT EXCEED 20' IN HEIGHT AT MATURITY SHALL NOT BE PLANTED WITHIN TEN FEET EITHER SIDE OF THE VERTICAL PLANE OF THE CENTERLINE OF EXISTING OVERHEAD POWER LINES.

NOTE:
 BUFFER LENGTH APPROXIMATE PER SURVEY PDF PROVIDED. SITE NOT STAKED AT TIME OF VEGETATION INVENTORY. TREE LOCATIONS SHOWN ON PLAN ARE APPROXIMATE PER SITE WALK AND SURVEY INFORMATION PROVIDED.



SANIBEL FIRE STATION
 5171 Sanibel-Captiva Road
 Sanibel, FL 33957
PROPOSED PLANTING PLAN



Primary Issue Date: 09/11/2023
 PLAN REVISIONS:

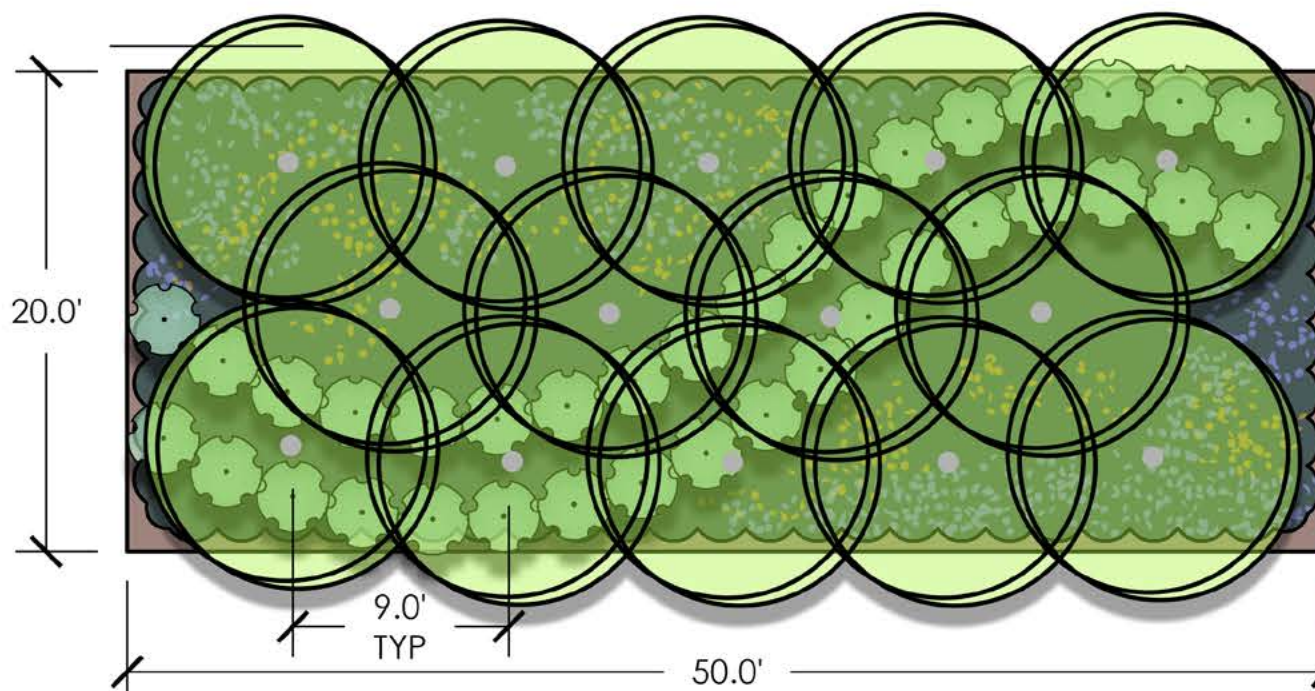
| Version | Notes | Date |
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| 01 | 60% CD Set | 10/20/2023 |
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| 04 | SANIBEL BUFFER LDC UPDATE | 02/16/2024 |

LEIGH A. GEVELINGER, P.L.A.
 FL LICENSE NO. LA 6667171

PROJECT #: 23-049

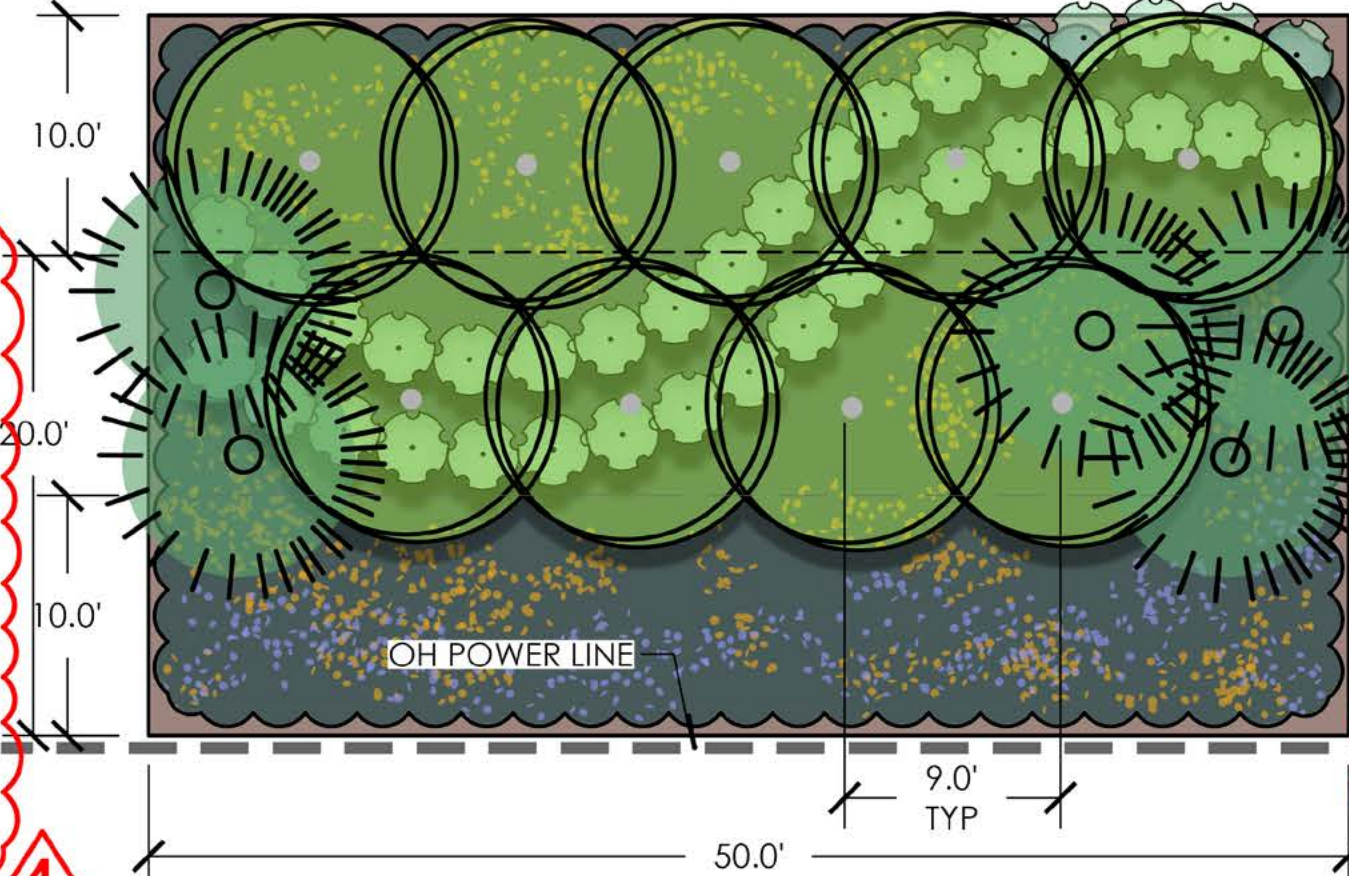
SHEET: LP-2A

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BUFFER DENSITY CALCULATIONS
CANOPY TREE 1/75 SF
20 FT WIDTH BUFFER x 50 LF = 1000 SF IF 100%
PER SEC. 122-48 & 122-49

| |
|------------------------------------------------------------------------------|
| LARGE/MEDIUM TREE (1 : 75 SF) |
| 1000 SF /75 = 13.3 (13.3x .85 ALL NATIVE) = 11.3 Large/medium Tree required |
| SMALL TREE/ SHRUB (1 : 30 SF) |
| 1000 SF /30 = 33.3 (33.3 x .85 ALL NATIVE) = 28.3 Small Tree/shrub required |
| SMALL SHRUB/GROUNDCOVER (1 : 25 SF) |
| 1000 SF /25 = 40 (40 x .85 ALL NATIVE) = 34 Small Shrub/groundcover required |



EXPANDED SANIBEL-CAPTIVA ROAD BUFFER
(MAINTAIN STANDARD 20' BUFFER CALCULATIONS QUANTITIES)
20 FT WIDTH BUFFER x 50 LF = 1000 SF IF 100%
PER SEC. 122-48 & 122-49

| |
|------------------------------------------------------------------------------|
| LARGE/MEDIUM TREE (1 : 75 SF) |
| 1000 SF /75 = 13.3 (13.3x .85 ALL NATIVE) = 11.3 Large/medium Tree required |
| SMALL TREE/ SHRUB (1 : 30 SF) |
| 1000 SF /30 = 33.3 (33.3 x .85 ALL NATIVE) = 28.3 Small Tree/shrub required |
| SMALL SHRUB/GROUNDCOVER (1 : 25 SF) |
| 1000 SF /25 = 40 (40 x .85 ALL NATIVE) = 34 Small Shrub/groundcover required |

- PLANT MATERIAL SELECTION SAMPLE:**
- Large / Medium Tree Category - minimum of 6 Sanibel native species**
Sample trees: Cabbage Palm (Sabal palmetto), Green Buttonwood (Conocarpus erectus), Gumbo Limbo (Bursera simaruba), Pitch Apple (Clusia rosea), LIVE OAK, (QUERCUS VIRGINIANA) **MIN SIZE 10'-12' HT, 2" CAL**
 - Small Tree/Large Shrub - minimum of 6 Sanibel native species**
Sample shrubs: Key Thatch Palm, (Thrinax morrisii), Silver Buttonwood (Conocarpus erectus 'Silver'), Dahoon Holly (Ilex cassine), Bahama Cassia (Senna mexicana var. chapmanii), Coco Plum (Chrysobalanus icasca), Simpson Stopper / Twinberry (Myrcianthes fragrans), Myrsine (Rapanea punctata) **75% MIN SIZE 7 GAL, 25% MIN SIZE 6" HT**
 - Small Shrub/Groundcover - minimum of 3 Sanibel Native species**
Sample Groundcovers: Short Leaf Wild Coffee (Psychotria ligustrifolia), Florida Coontie (Zamia pumila), Spider Lily (Hymenocallis latifolia), Muhly Grass (Muhlenbergia capillaris), Golden Creeper (Erondea littoralis), American Beautyberry (Callicarpa americana), Peperomia (Peperomia alata), Qualberry (Crossopetalum ilicifolium), WILD COFFEE (PSYCHOTRIA NERVOSA), SPARTINA (SPARTINA BAKERI) **MIN SIZE 1 GAL**

- PLANT MATERIAL SELECTION SAMPLE:**
- Large / Medium Tree Category - minimum of 6 Sanibel native species**
Sample trees: Cabbage Palm (Sabal palmetto), Green Buttonwood (Conocarpus erectus), Gumbo Limbo (Bursera simaruba), Pitch Apple (Clusia rosea), LIVE OAK, (QUERCUS VIRGINIANA) **MIN SIZE 10'-12' HT, 2" CAL**
 - Small Tree/Large Shrub - minimum of 6 Sanibel native species**
Sample shrubs: Key Thatch Palm, (Thrinax morrisii), Silver Buttonwood (Conocarpus erectus 'Silver'), Dahoon Holly (Ilex cassine), Bahama Cassia (Senna mexicana var. chapmanii), Coco Plum (Chrysobalanus icasca), Simpson Stopper / Twinberry (Myrcianthes fragrans), Myrsine (Rapanea punctata) **75% MIN SIZE 7 GAL, 25% MIN SIZE 6" HT**
 - Small Shrub/Groundcover - minimum of 3 Sanibel Native species**
Sample Groundcovers: Short Leaf Wild Coffee (Psychotria ligustrifolia), Florida Coontie (Zamia pumila), Spider Lily (Hymenocallis latifolia), Muhly Grass (Muhlenbergia capillaris), Golden Creeper (Erondea littoralis), American Beautyberry (Callicarpa americana), Peperomia (Peperomia alata), Qualberry (Crossopetalum ilicifolium), WILD COFFEE (PSYCHOTRIA NERVOSA), SPARTINA (SPARTINA BAKERI) **MIN SIZE 1 GAL**

1A BUFFER PLANTING PLAN 20' X 50' TYPICAL LAYOUT
LP-3 SCALE: 1/8" = 1'



2A BUFFER PLANTING PLAN 30' X 50' TYPICAL LAYOUT (OH POWER LINE)
LP-3 SCALE: 1/8" = 1'



1B BUFFER PLANTING PLAN 20' X 50', AT TIME OF PLANTING
LP-3 SCALE: 1/8" = 1'



2B BUFFER PLANTING PLAN 30' X 50', AT TIME OF PLANTING
LP-3 SCALE: 1/8" = 1'



1C BUFFER PLANTING PLAN 20' X 50', AT 2-3 YEARS
LP-3 SCALE: 1/8" = 1'



2C BUFFER PLANTING PLAN 30' X 50', AT 2-3 YEARS
LP-3 SCALE: 1/8" = 1'



BUFFER VEGETATION NOTES:

SEC. 122-73. TYPES, VARIETIES, AND NUMBERS OF PLANTS REQUIRED.

EACH VEGETATION BUFFER REQUIRED BY THIS DIVISION SHALL BE INSTALLED WITH PLANTS MEETING THE FOLLOWING REQUIREMENTS:

- EACH REQUIRED VEGETATION BUFFER SHALL INCLUDE AT LEAST ONE LARGE OR MEDIUM TREE FOR EACH 75 SQUARE FEET OF THE REQUIRED BUFFER AREA, EXCLUDING AREAS WITHIN EXISTING OR PROPOSED INGRESS-EGRESS DRIVEWAYS OR INTER- AND INTRA-CONNECTIVITY PATHWAYS, WITH A MINIMUM OF SIX DIFFERENT SPECIES OF NATIVE PLANTS INCLUDED.
- EACH REQUIRED VEGETATION BUFFER SHALL INCLUDE AT LEAST ONE SMALL TREE OR MEDIUM SHRUB FOR EACH 30 SQUARE FEET OF THE REQUIRED BUFFER AREA, EXCLUDING AREAS WITHIN EXISTING OR PROPOSED INGRESS-EGRESS DRIVEWAYS OR INTER- AND INTRA-CONNECTIVITY PATHWAYS, (AT LEAST 25 PERCENT OF WHICH MUST BE SMALL TREES) WITH A MINIMUM OF SIX DIFFERENT SPECIES OF NATIVE PLANTS INCLUDED.
- EACH REQUIRED VEGETATION BUFFER SHALL INCLUDE AT LEAST ONE LOW GROWING (SMALL) SHRUB OR GROUNDCOVER PLANT FOR EACH 25 SQUARE FEET OF THE REQUIRED BUFFER AREA, EXCLUDING AREAS WITHIN EXISTING OR PROPOSED INGRESS-EGRESS DRIVEWAYS OR INTER- AND INTRA-CONNECTIVITY PATHWAYS, WITH A MINIMUM OF THREE DIFFERENT SPECIES OF NATIVE PLANTS INCLUDED. NO ST. AUGUSTINE, BERMUDA, ZOYSIA, BAHIA, OR OTHER SOD-TYPE GRASSES OR VINES SHALL BE USED TO SATISFY THIS REQUIREMENT.
- A MINIMUM OF 75 PERCENT, BY COUNT, OF THE IN-GROUND TREES AND SHRUBS REQUIRED BY EACH OF THE SUBSECTIONS (1) THROUGH (3) OF THIS SECTION SHALL BE NATIVE SPECIES. THE REMAINDER MAY BE EITHER NATIVE OR NONCOMPETING EXOTIC SPECIES. INVASIVE EXOTIC VEGETATION SHALL NOT BE PERMITTED WITHIN THE REQUIRED BUFFERS. FOR THE PURPOSES OF THIS CALCULATION, COCONUT PALM IS DESIGNATED AS A NON-COMPETING EXOTIC SPECIES. THE CATEGORY FOR NATIVE SPECIES AS LARGE OR MEDIUM TREES, SMALL TREES OR MEDIUM SHRUBS, OR LOW GROWING (SMALL) SHRUBS OR GROUNDCOVER PLANTS, IS SPECIFIED ON THE CITY'S HORTICULTURALLY AVAILABLE NATIVE PLANTS LIST. THE APPLICABLE CATEGORY FOR NONCOMPETING EXOTIC SPECIES OF PLANTS SHALL BE AS DETERMINED BY THE CITY MANAGER, OR THE MANAGER'S DESIGNEE, CATEGORIZED BY SIZE IN A MANNER CONSISTENT WITH THE HORTICULTURALLY AVAILABLE NATIVE PLANT LIST. EXISTING, PRESERVED PLANTS SHALL BE COUNTED TOWARD MEETING THE REQUIREMENTS OF THIS DIVISION.
- AN ADMINISTRATIVE WAIVER TO SUBSECTIONS (1), (2), AND (3), TO INCENTIVIZE USE OF NATIVE PLANT SPECIES IN LANDSCAPING, MAY BE AUTHORIZED, IF THE FOLLOWING CONDITIONS ARE MET:
 - (A) ALL VEGETATION WITHIN A REQUIRED VEGETATION BUFFER IS 100 PERCENT NATIVE PLANT SPECIES.
 - (B) SEVENTY-FIVE (75) PERCENT OF THE TOTAL NUMBER OF PLANTS REQUIRED BY SUBSECTIONS (1), (2), AND (3) ARE INSTALLED PURSUANT TO SECTION 122-50.

SANIBEL FIRE STATION
5171 Sanibel-Captiva Road
Sanibel, FL 33957
CODE-REQUIRED BUFFERS

Primary Issue Date: 09/11/2023
PLAN REVISIONS:

| Version | Notes | Date |
|---------|---------------------------|------------|
| 01 | 60% CD Set | 10/20/2023 |
| 02 | 90% CD Set | 11/10/2023 |
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| 04 | SANIBEL BUFFER LDC UPDATE | 02/16/2024 |

LEIGH A. GEVELINGER, P.L.A.
FL LICENSE NO. LA 6667171

PROJECT #: 23-049

SHEET: LP-3

23-049_SANIBEL FIRE STATION.dwg

PLANT SCHEDULE EAST BUFFER

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE. Includes sections for PROPOSED - NATIVE, PROPOSED SHRUBS - NATIVE, and GROUNDCOVERS - NATIVE.

EAST BUFFER: TREE: 6 SPECIES REQUIRED, 4 SPECIES PROVIDED, 2 EXISTING SPECIES (SABAL PALM, MAHOGANY) SHRUB: 5 SPECIES REQUIRED, 5 SPECIES PROVIDED, GROUNDCOVERS: 3 SPECIES REQUIRED, 3 SPECIES PROVIDED. 100% NATIVE BUFFER PLANTING (REFER TO NEW LDC.)

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE. Includes sections for PROPOSED - NATIVE, PROPOSED SHRUBS - NATIVE, and GROUNDCOVERS - NATIVE.

SANIBEL CAPTIVA ROAD BUFFER: TREE: 6 SPECIES REQUIRED, 6 SPECIES PROVIDED, SHRUB: 5 SPECIES REQUIRED, 5 SPECIES PROVIDED, GROUNDCOVERS: 3 SPECIES REQUIRED, 3 + SPECIES PROVIDED. 100% NATIVE BUFFER PLANTING (REFER TO NEW LDC.)

PLANT SCHEDULE BOWMAN'S BEACH ROAD BUFFER

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE. Includes sections for PROPOSED - NATIVE, PROPOSED SHRUBS - NATIVE, and GROUNDCOVERS - NATIVE.

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE. Includes section for GROUNDCOVERS - NATIVE.

BOWMAN'S BEACH ROAD BUFFER: TREE: 6 SPECIES REQUIRED, 6 SPECIES PROVIDED, SHRUB: 5 SPECIES REQUIRED, 5 SPECIES PROVIDED, GROUNDCOVERS: 3 SPECIES REQUIRED, 3 + SPECIES PROVIDED. 100% NATIVE BUFFER PLANTING (REFER TO NEW LDC.)

PLANT SCHEDULE SOUTH BUFFER

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE, SPECIFICATION. Includes sections for PROPOSED - NATIVE, PROPOSED SHRUBS - NATIVE, and GROUNDCOVERS - NATIVE.

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE. Includes section for GROUNDCOVERS - NATIVE.

SOUTH BUFFER: TREE: 6 SPECIES REQUIRED, 6 SPECIES PROVIDED, SHRUB: 5 SPECIES REQUIRED, 5 SPECIES PROVIDED, GROUNDCOVERS: 3 SPECIES REQUIRED, 3 SPECIES PROVIDED. 100% NATIVE BUFFER PLANTING (REFER TO NEW LDC.)

PLANT SCHEDULE SITE PROPOSED VEGETATION

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE. Includes sections for PARKING TREE, PROPOSED - NATIVE, PROPOSED - NONNATIVE, PROPOSED SHRUBS - NATIVE, PROPOSED SHRUBS - NONNATIVE, and GROUND COVERS.

PLANT SCHEDULE PROPOSED ROW VEGETATION

Table with columns: SYMBOL, QTY, BOTANICAL NAME, COMMON NAME, SIZE. Includes sections for GROUND COVERS and GROUNDCOVERS - NATIVE.



SANIBEL FIRE STATION

5171 Sanibel-Captiva Road Sanibel, FL 33957

PLANT SCGEGUDE

Primary Issue Date: 09/11/2023 PLAN REVISIONS:

Table with columns: Version, Notes, Date. Includes revision history for CD Set and LDC UPDATE.

LEIGH A. GEVELINGER, P.L.A. FL LICENSE NO. LA 6667171

PROJECT #: 23-049

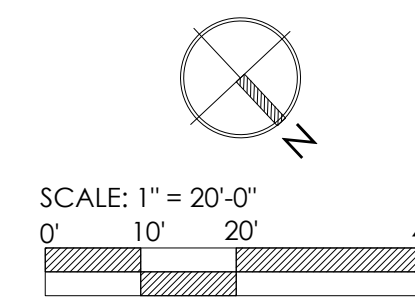
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SANIBEL FIRE STATION
5171 SANIBEL CAPTIVA ROAD
SANIBEL, FL 33957

PROPOSED IRRIGATION PLAN



PRIMARY ISSUE DATE: 9/11/2023
PLAN REVISIONS:

| Version | Notes | Date |
|---------|---------------------------|------------|
| 01 | 60% CD Set | 10/20/2023 |
| 02 | 90% CD Set | 11/10/2023 |
| 03 | 100% CD Set | 12/22/2023 |
| 04 | SANIBEL BUFFER LDC UPDATE | 02/16/2024 |

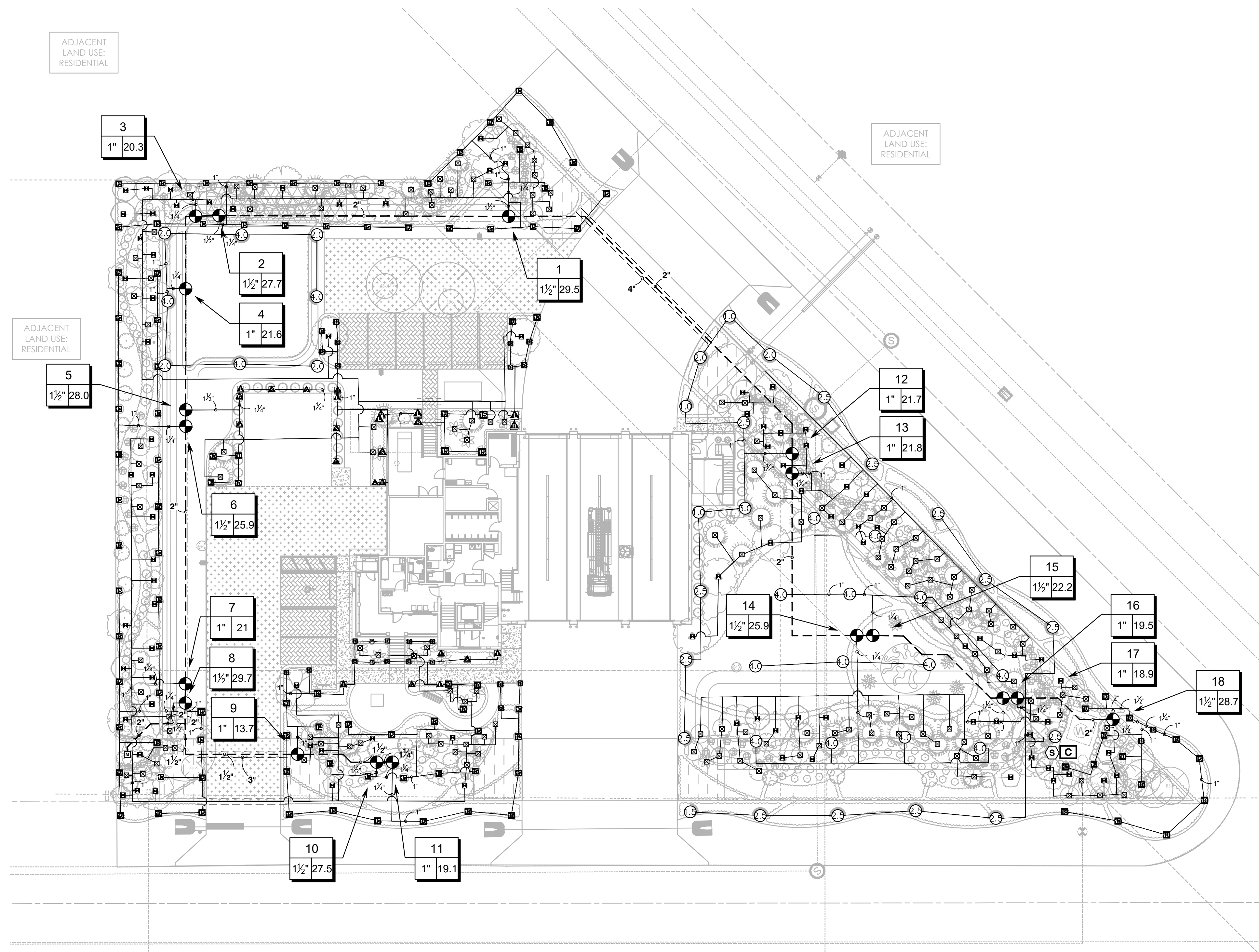
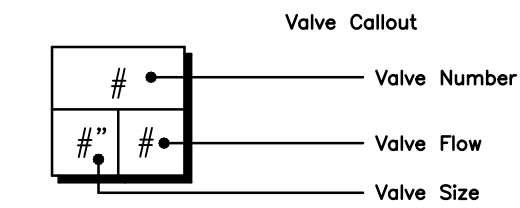
LEIGH A. GEVELINGER, P.L.A.
FL LICENSE NO. LA 6667171

PROJECT #: 23-049

SHEET: IR-1

IRRIGATION SCHEDULE

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|------|--------|
| EST LCS RCS CST SST | Rain Bird 1812-NP 15 Strip Series Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. With Non-Potable Purple Cap. | 24 | 30 | | |
| Q H F | Rain Bird 1812-NP 5 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. With Non-Potable Purple Cap. | 2 | 30 | | |
| Q T H F | Rain Bird 1812-NP 8 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. With Non-Potable Purple Cap. | 14 | 30 | | |
| Q T H F | Rain Bird 1812-NP 10 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. With Non-Potable Purple Cap. | 9 | 30 | | |
| Q T H T O F | Rain Bird 1812-NP 12 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. With Non-Potable Purple Cap. | 4 | 30 | | |
| Q T H T O F | Rain Bird 1812-NP 15 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. With Non-Potable Purple Cap. | 60 | 30 | | |
| 4 6 8 10 12 15 18 | Rain Bird 1812-NP ADJ Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. With Non-Potable Purple Cap. | 46 | 30 | | |
| 1401 1402 1404 1408 | Rain Bird 1800-1400 Flood Fixed flow rate 0.25 GPM - 2.0 GPM, full circle bubbler, 1/2in. FIPT. | 240 | 20 | | |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | GPM | RADIUS |
| ⊙ | Hunter PGJ-12-V 1.0 Shrub Rotor, 12in. Pop-Up. Adjustable and Full Circle. With Drain Check Valve. | 3 | 30 | 0.85 | 18' |
| ⊙ | Hunter PGJ-12-V 1.5 Shrub Rotor, 12in. Pop-Up. Adjustable and Full Circle. With Drain Check Valve. | 1 | 30 | 1.3 | 21' |
| ⊙ | Hunter PGJ-12-V 2.0 Shrub Rotor, 12in. Pop-Up. Adjustable and Full Circle. With Drain Check Valve. | 6 | 30 | 1.7 | 24' |
| ⊙ | Hunter PGJ-12-V 2.5 Shrub Rotor, 12in. Pop-Up. Adjustable and Full Circle. With Drain Check Valve. | 14 | 30 | 2.2 | 27' |
| ⊙ | Hunter PGJ-12-V 3.0 Shrub Rotor, 12in. Pop-Up. Adjustable and Full Circle. With Drain Check Valve. | 1 | 30 | 2.5 | 30' |
| ⊙ | Hunter PGJ-12-V 4.0 Shrub Rotor, 12in. Pop-Up. Adjustable and Full Circle. With Drain Check Valve. | 17 | 30 | 3.7 | 33' |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | | | |
| ⊕ | Rain Bird PESB 1in., 1-1/2in., 2in. Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications. | 18 | | | |
| C | Rain Bird ESPLXME2 w/ (1) ESPLXMSM12 24 Station, Traditionally-Wired, Commercial Controller. (1) ESPLXME2 12-Station, Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (1) ESPLXMSM12 - 12-Station Expansion Modules. | 1 | | | |
| S | Rain Bird WR2-RFS Wireless Rain/Freeze Sensor. | 1 | | | |
| M | Water Meter 1" Potable meter with backflow (By Others) | 1 | | | |
| --- | Irrigation Lateral Line: PVC Class 200 SDR 21 | 5,313 l.f. | | | |
| --- | Irrigation Mainline: PVC Schedule 40 | 670.5 l.f. | | | |
| --- | Pipe Sleeve: PVC Schedule 40 | 132.8 l.f. | | | |



VALVE SCHEDULE

| NUMBER | MODEL | SIZE | TYPE | GPM | WIRE | PSI | PSI @ POC | PRECIP |
|--------|----------------|--------|-------------|-------|-------|------|-----------|-----------|
| 1 | Rain Bird PESB | 1-1/2" | Shrub Spray | 29.54 | 312.7 | 34.7 | 42.0 | 1.43 in/h |
| 2 | Rain Bird PESB | 1-1/2" | Shrub Spray | 27.71 | 405.9 | 34.8 | 40.7 | 1.43 in/h |
| 3 | Rain Bird PESB | 1" | Bubbler | 20.25 | 413.5 | 26.7 | 29.7 | 1.17 in/h |
| 4 | Rain Bird PESB | 1" | Shrub Rotor | 21.6 | 440.0 | 36.1 | 39.5 | 1.26 in/h |
| 5 | Rain Bird PESB | 1-1/2" | Shrub Spray | 28.05 | 479.0 | 37.3 | 42.8 | 2.05 in/h |
| 6 | Rain Bird PESB | 1-1/2" | Shrub Spray | 25.9 | 484.3 | 34.9 | 39.6 | 1.42 in/h |
| 7 | Rain Bird PESB | 1" | Bubbler | 21 | 567.2 | 28.7 | 31.3 | 1.32 in/h |
| 8 | Rain Bird PESB | 1-1/2" | Shrub Spray | 29.67 | 573.4 | 34.7 | 40.1 | 1.52 in/h |
| 9 | Rain Bird PESB | 1" | Shrub Spray | 13.71 | 625.9 | 34.7 | 36.1 | 1.26 in/h |
| 10 | Rain Bird PESB | 1-1/2" | Shrub Spray | 27.55 | 652.5 | 36.1 | 42.4 | 1.06 in/h |
| 11 | Rain Bird PESB | 1" | Shrub Spray | 19.15 | 657.5 | 35.1 | 38.2 | 1.05 in/h |
| 12 | Rain Bird PESB | 1" | Shrub Rotor | 21.65 | 184.1 | 37.4 | 41.9 | 0.88 in/h |
| 13 | Rain Bird PESB | 1" | Bubbler | 21.75 | 177.8 | 26.2 | 30.7 | 1.24 in/h |
| 14 | Rain Bird PESB | 1-1/2" | Shrub Rotor | 25.9 | 104.7 | 35.7 | 42.7 | 0.55 in/h |
| 15 | Rain Bird PESB | 1-1/2" | Shrub Rotor | 22.2 | 99.5 | 35.3 | 40.4 | 0.59 in/h |
| 16 | Rain Bird PESB | 1" | Bubbler | 19.5 | 49.4 | 25.4 | 29.4 | 1.2 in/h |
| 17 | Rain Bird PESB | 1" | Shrub Rotor | 18.9 | 44.7 | 37.6 | 41.5 | 0.67 in/h |
| 18 | Rain Bird PESB | 1-1/2" | Shrub Spray | 28.69 | 21.9 | 35.5 | 44.7 | 1.43 in/h |
| | Common Wire | | | | 670.5 | | | |

WATERING SCHEDULE

| NUMBER | MODEL | TYPE | PRECIP | IN./WEEK | MIN./WEEK | GAL./WEEK | GAL./DAY |
|--------|----------------|-------------|-----------|----------|-----------|-----------|----------|
| 1 | Rain Bird PESB | Shrub Spray | 1.43 in/h | 1 | 42 | 1,241 | |
| 2 | Rain Bird PESB | Shrub Spray | 1.43 in/h | 1 | 43 | 1,192 | |
| 3 | Rain Bird PESB | Bubbler | 1.17 in/h | 1 | 52 | 1,053 | |
| 4 | Rain Bird PESB | Shrub Rotor | 1.26 in/h | 1 | 48 | 1,037 | |
| 5 | Rain Bird PESB | Shrub Spray | 2.05 in/h | 1 | 30 | 841 | |
| 6 | Rain Bird PESB | Shrub Spray | 1.42 in/h | 1 | 43 | 1,114 | |
| 7 | Rain Bird PESB | Bubbler | 1.32 in/h | 1 | 46 | 966 | |
| 8 | Rain Bird PESB | Shrub Spray | 1.52 in/h | 1 | 40 | 1,187 | |
| 9 | Rain Bird PESB | Shrub Spray | 1.26 in/h | 1 | 48 | 658 | |
| 10 | Rain Bird PESB | Shrub Spray | 1.06 in/h | 1 | 57 | 1,570 | |
| 11 | Rain Bird PESB | Shrub Spray | 1.05 in/h | 1 | 58 | 1,110 | |
| 12 | Rain Bird PESB | Shrub Rotor | 0.88 in/h | 1 | 69 | 1,494 | |
| 13 | Rain Bird PESB | Bubbler | 1.24 in/h | 1 | 49 | 1,066 | |
| 14 | Rain Bird PESB | Shrub Rotor | 0.55 in/h | 1 | 110 | 2,849 | |
| 15 | Rain Bird PESB | Shrub Rotor | 0.59 in/h | 1 | 102 | 2,264 | |
| 16 | Rain Bird PESB | Bubbler | 1.2 in/h | 1 | 51 | 995 | |
| 17 | Rain Bird PESB | Shrub Rotor | 0.67 in/h | 1 | 90 | 1,701 | |
| 18 | Rain Bird PESB | Shrub Spray | 1.43 in/h | 1 | 43 | 1,234 | |
| | TOTALS: | | | | 1,021 | 23,571 | |

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GENERAL NOTES:

- Irrigation system design requirements: See Critical Analysis IR-2. The Irrigation Contractor shall verify the available GPM and PSI prior to installation of the system.
- Do not willfully install the irrigation as shown on the drawings when it is obvious in the field that conditions exist that might not have been considered in the design process. For example: obstructions, grade differences, water levels dimensional differences, etc. Refer to the landscape plan to avoid conflicts with proposed trees or shrubs.
- Piping may sometimes be indicated as being located in unlikely areas: i.e., under buildings, outside property lines, under pavement, in lakes or ditches, etc. This is done for graphic clarity only. Whenever possible, piping is to be installed in open, green areas.
- Pipe sizes shall conform to those on the drawing. Substituting with smaller pipe sizes will not be permitted.
- If required the Irrigation Contractor shall provide the necessary Right of Way use permits.
- Mainline to be installed with a minimum of 18" depth of cover, lateral lines are to be installed with a minimum of 12" depth of cover.
- Unless otherwise indicated all sleeves are to be PVC Sch 40 and at least two (2) nominal sizes larger than the pipe to be sleeved.
- Wherever practical, install valves in mulched beds and/or out of high traffic areas. all valves, flush valves and wire splices shall be installed in Carson valve boxes as follows: Remote control valves in 12" standard rectangular box and wire splices in 10" round valve box.
- All 24 volt control wire to be UL listed 14 Gauge single strand.
- All wire connections to be King sealed wire Connectors.
- All pop up sprinkler heads shall be installed level and flush to grade. Mount all heads and bubblers on 18" of flexible PVC.
- The rain shut off device shall be installed to meet local codes and/or minimum manufacturer's recommendations.
- The irrigation contractor shall prepare an AS-BUILT drawing on reproducible paper showing all main line piping, control wires and valves by showing exact measurements from hard surfaces.
- The owner will supply power to the irrigation controller.
- Any other equipment required that is not otherwise detailed or specified shall be installed as per manufacturer's recommendations and specifications.
- All heads, bubblers, valves, drip tubing, valve boxes and pipe on reclaim systems will be properly marked as such. All reclaim pipe bubblers and valve boxes will be purple in color, all electric valves will have purple tags and handles and all heads will have purple tops or purple snap on covers.
- Velocity not to exceed 5' per second.

CRITICAL ANALYSIS

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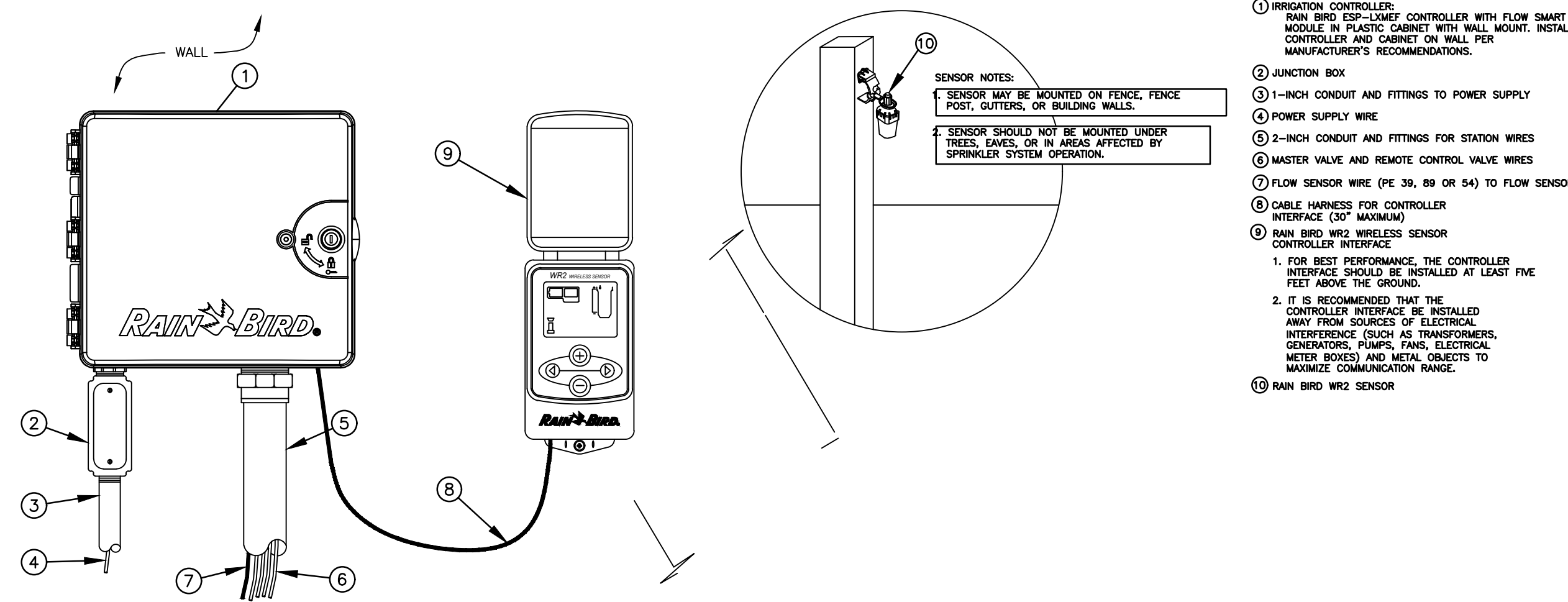
P.O.C. NUMBER: 01
Water Source Information: Potable meter with backflow (By Others)

FLOW AVAILABLE
Water Meter Size: 1"
Flow Available: 37.5 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 50 PSI
Elevation Change: 5.00 ft
Service Line Size: 3"
Length of Service Line: 20 ft
Pressure Available: 47 PSI

DESIGN ANALYSIS
Maximum Station Flow: 29.67 GPM
Flow Available at POC: 37.5 GPM
Residual Flow Available: 7.83 GPM

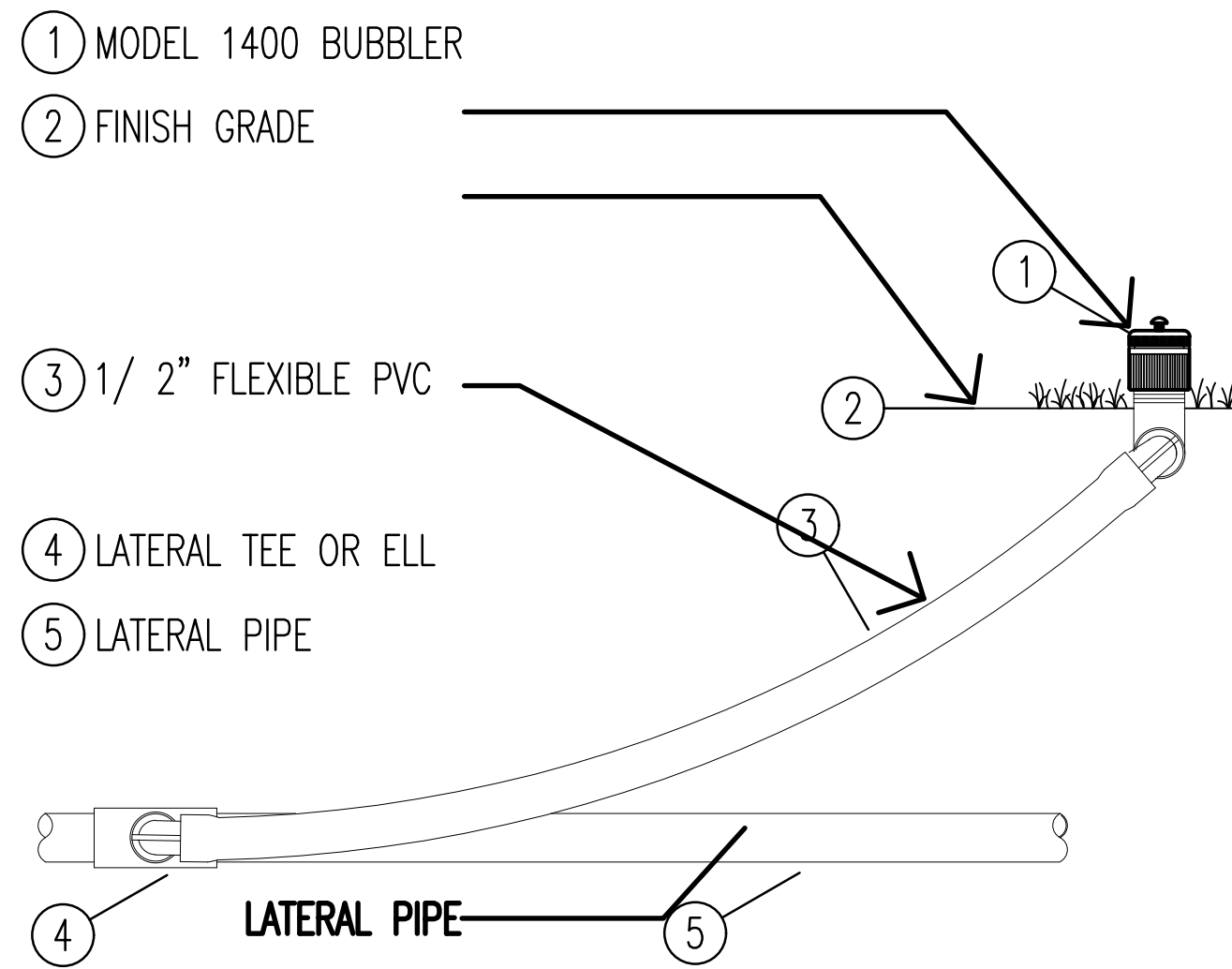
Critical Station: 18
Design Pressure: 30 PSI
Friction Loss: 1.73 PSI
Fittings Loss: 0.17 PSI
Elevation Loss: 0 PSI
Loss through Valve: 3.64 PSI
Pressure Req. at Critical Station: 35.5 PSI
Loss for Fittings: 0.39 PSI
Loss for Main Line: 3.85 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 0 PSI
Loss for Water Meter: 4.88 PSI
Critical Station Pressure at POC: 44.7 PSI
Pressure Available: 47 PSI
Residual Pressure Available: 2.33 PSI



1 RAINBIRD ESP WITH WIRELESS SENSOR

1" = 1"

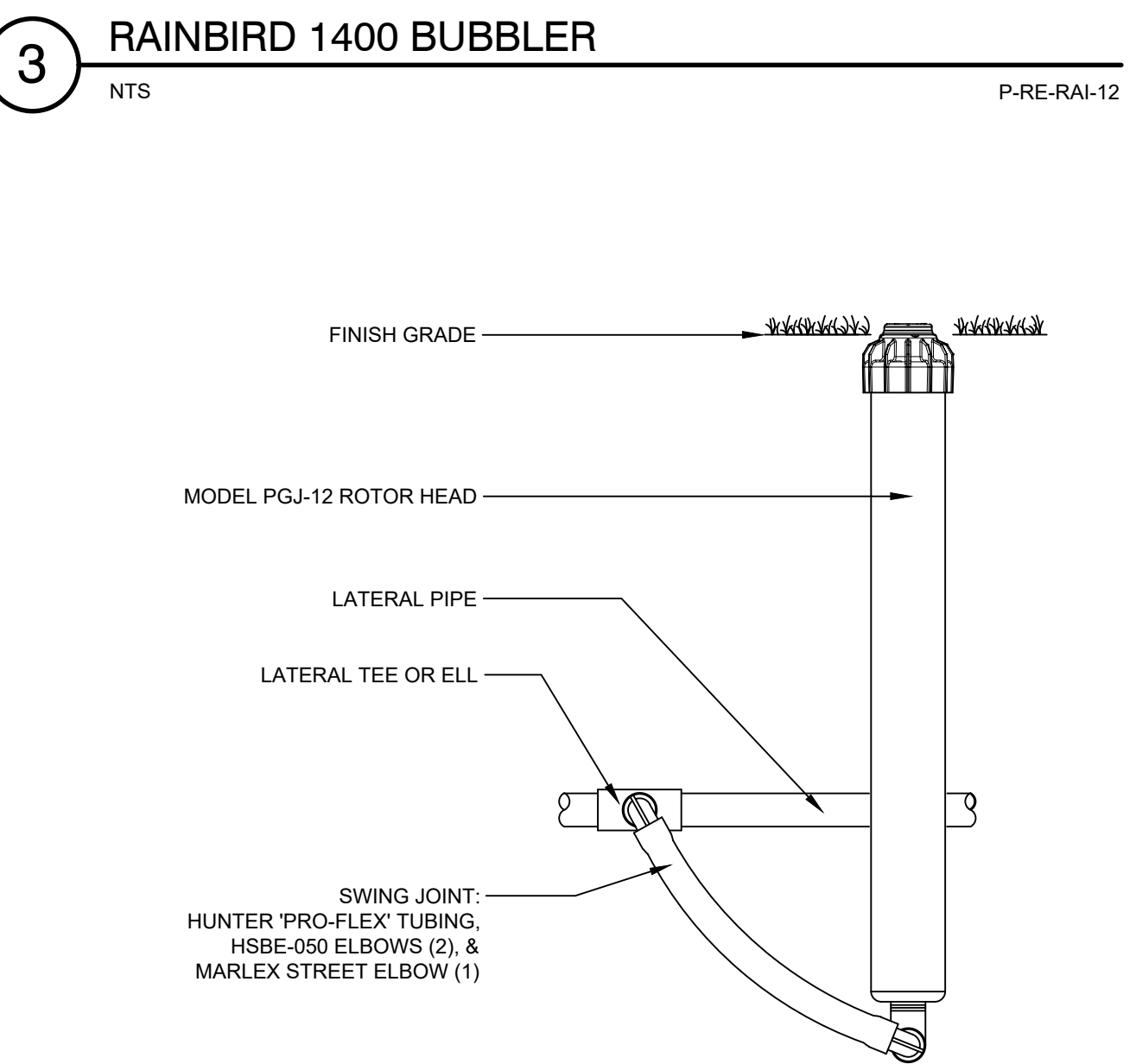
P-RE-RAI-11



2 RAINBIRD PESB

1" = 1"

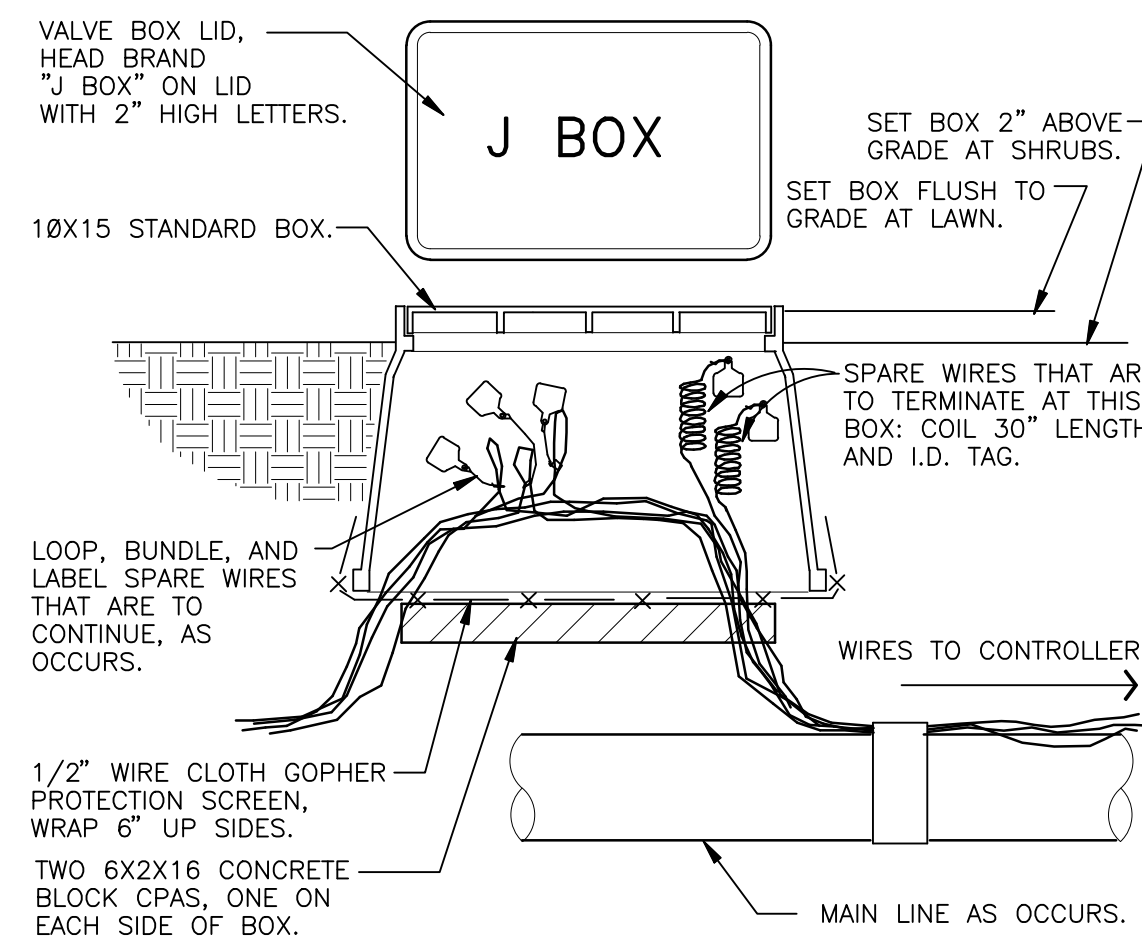
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3 RAINBIRD 1400 BUBBLER

NTS

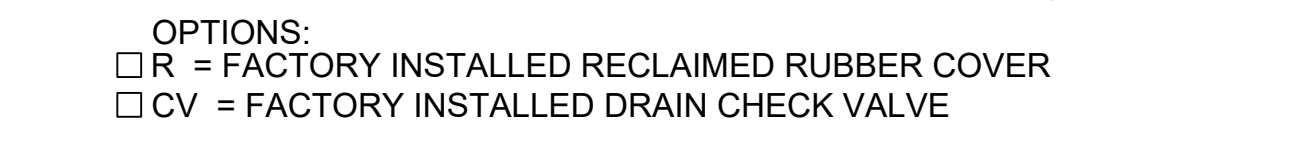
P-RE-RAI-12



4 RAINBIRD 1812

NTS

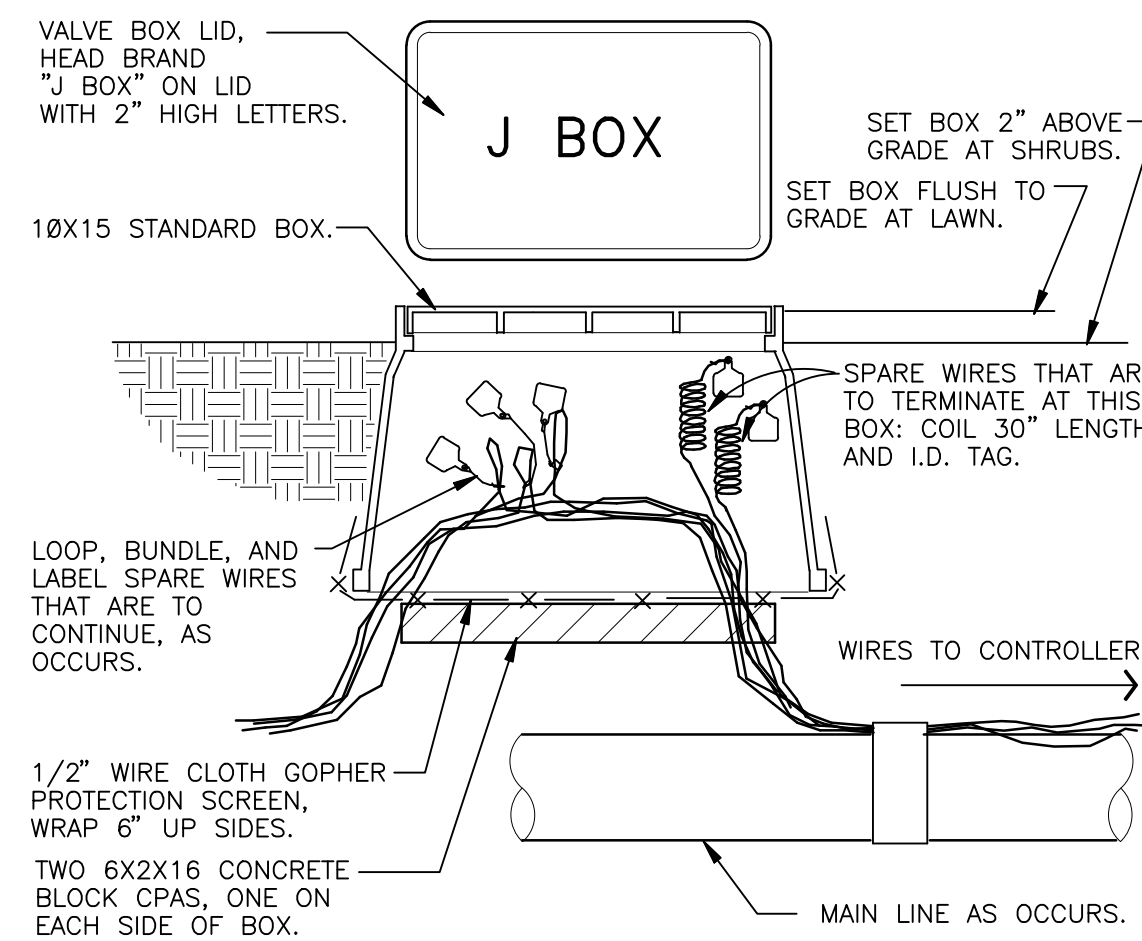
P-RE-RAI-03



5 PGJ-12 ROTOR HEAD WITH PRO-FLEX TUBING

3" = 1'-0"

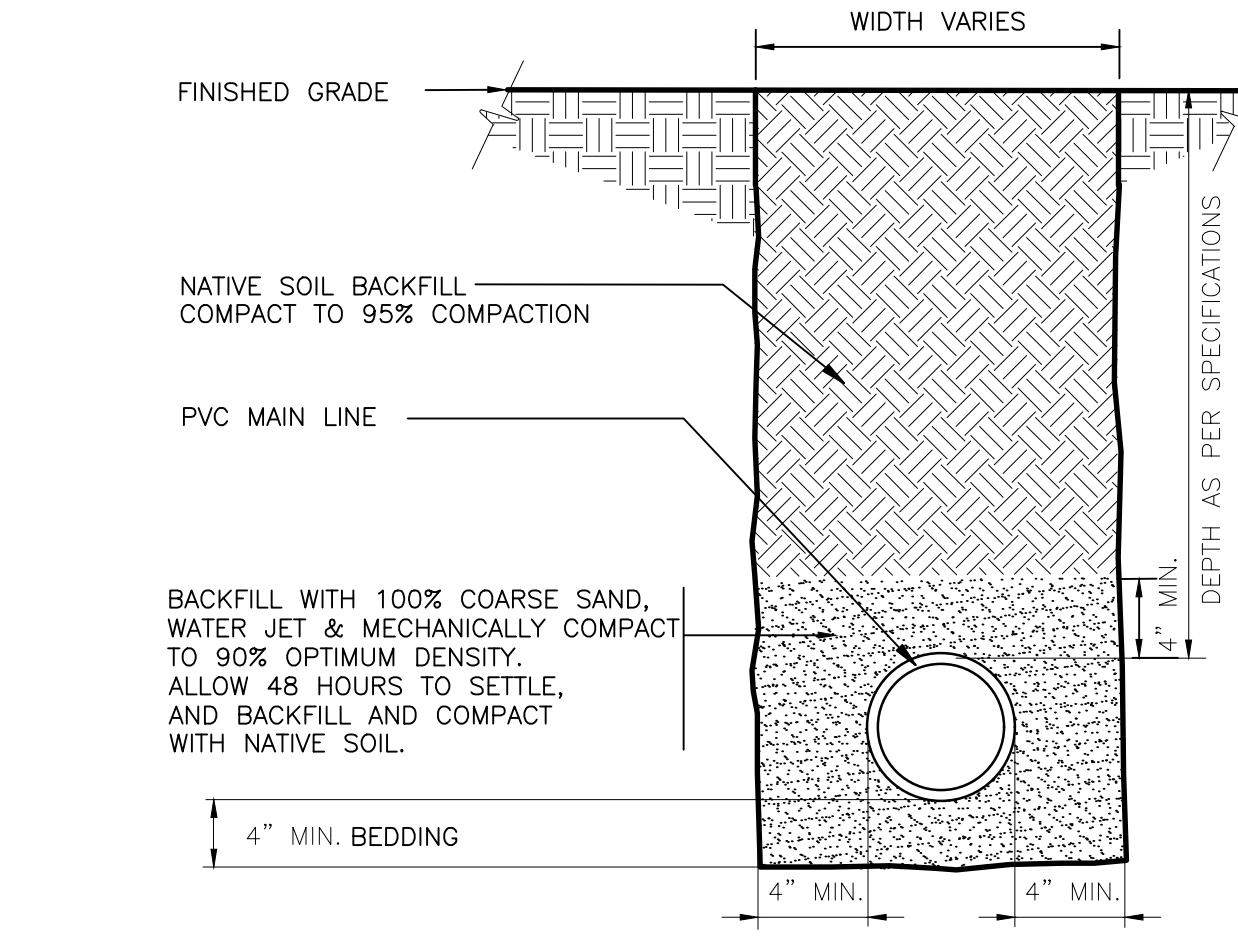
FX-IR-HUNT-ROTR-86



6 WIRE BUNDLE JUNCTION BOX

1 1/2" = 1'-0"

FX-IR-FX-AUXEQ-16



7 SLEEVE AT ROAD

1 1/2" = 1'-0"

FX-IR-FX-AUXEQ-15

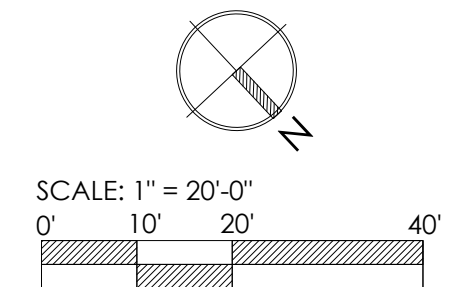


2410 PALM RIDGE ROAD
SANIBEL ISLAND, FL 33957
TEL: 239-558-4610
INFO@COASTALVISTADESIGN.COM

SANIBEL FIRE STATION

5171 SANIBEL CAPTIVA ROAD
SANIBEL, FL 33957

PROPOSED IRRIGATION PLAN



PRIMARY ISSUE DATE: 9/11/2023
PLAN REVISIONS:

| Version | Notes | Date |
|---------|---------------------------|------------|
| 01 | 60% CD Set | 10/20/2023 |
| 02 | 90% CD Set | 11/10/2023 |
| 03 | 100% CD Set | 12/22/2023 |
| 04 | SANIBEL BUFFER LDC UPDATE | 02/16/2024 |

LEIGH A. GEVELINGER, P.L.A.
FL LICENSE NO. LA 6667171

PROJECT #: 23-049

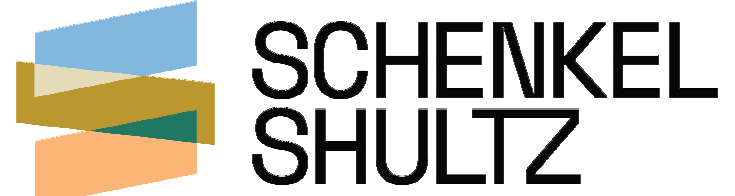
SHEET: IR-2

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**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms
Circle, Unit 1
Estero, FL 33928
voice (239) 208-4846

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FORT MYERS, FL 33913
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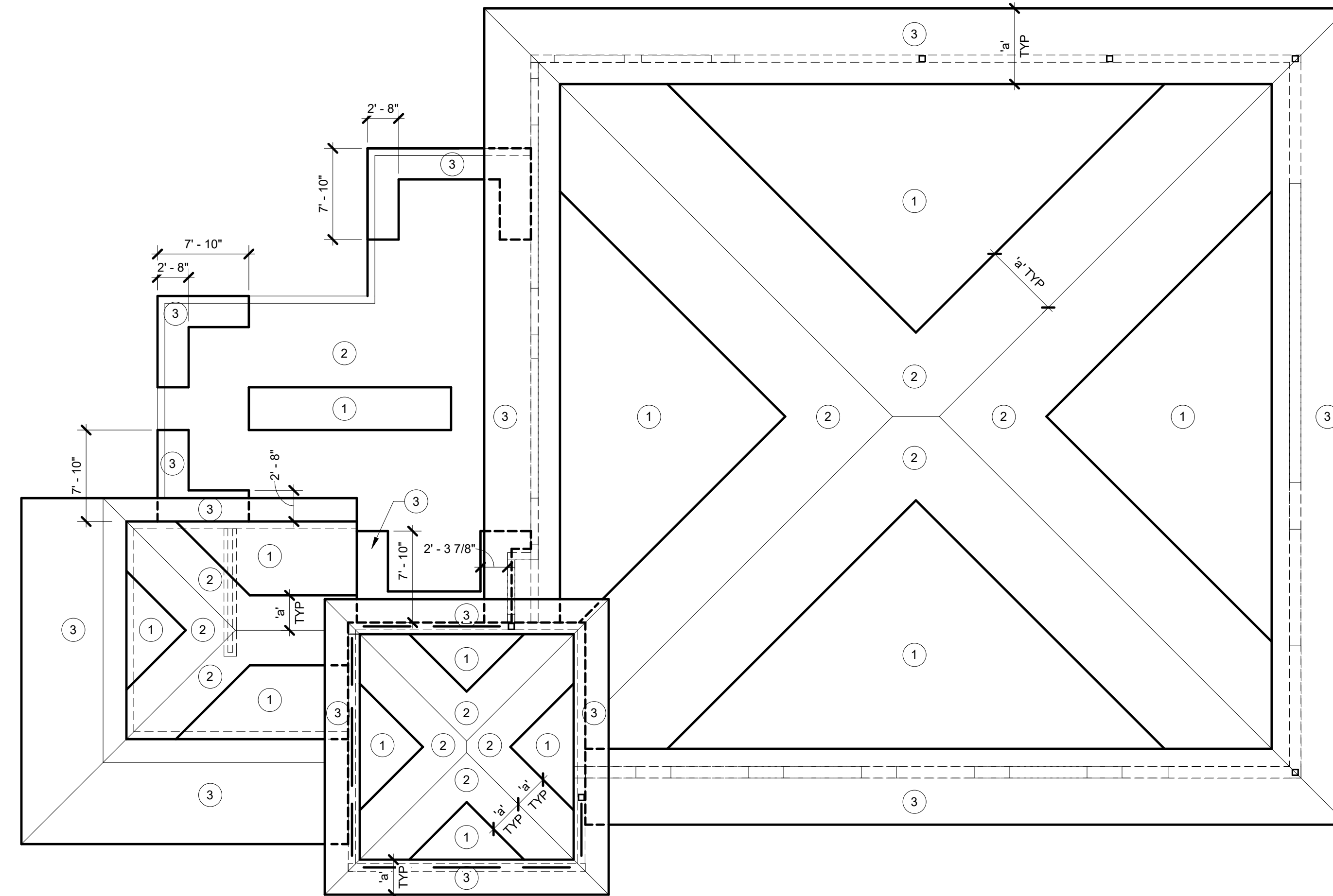
www.trc.com
FILE NO. 23FTM232

| REVISIONS | | |
|-----------|-------------------------|----------|
| MARK | DESCRIPTION | DATE |
| 1 | Permit comment response | 02.14.24 |

| COMPONENT & CLADDING NOMINAL WIND PRESSURES (PER ASCE 7-22) | | | | | | | | | |
|----------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------|--------|--------|--------------------------|---------|---------|---------|---------|
| ULTIMATE WIND SPEED, VULT | 190 MPH | RISK CATEGORY | | IV | EDGE DISTANCE, "a" | | | | |
| NOMINAL WIND SPEED, VASD | 147 MPH | EXPOSURE | | 1, C | ROOF SLOPE | | | | |
| HIP ROOF 7° < 0 ≤ 20° AND h ≤ 60 FT | | DIRECTIONALITY FACTOR, Kd | | 0.85 | | | | | |
| COMPONENT LOCATION | | POSITIVE PRESSURES (PSF) | | | NEGATIVE PRESSURES (PSF) | | | | |
| EFFECTIVE AREA, Ae | | 10 ft² | 20 ft² | 50 ft² | 100 ft² | 10 ft² | 20 ft² | 50 ft² | 100 ft² |
| ROOFS | ZONE 1: INTERIOR WITHIN "a" ft FROM EAVES TO "a" ft FROM HIP AND RIDGES | +48.70 | +42.03 | +33.22 | +26.56 | -109.56 | -96.76 | -79.83 | -67.03 |
| | ZONE 2: WITHIN "a" ft FROM HIP AND RIDGES | +48.70 | +42.03 | +33.22 | +26.56 | -142.76 | -128.68 | -110.06 | -95.98 |
| | ZONE 3: WITHIN "a" ft FROM EAVES | +48.70 | +42.03 | +33.22 | +26.56 | -153.83 | -138.47 | -118.16 | -102.80 |
| | OVERHANG: ZONE 3: OVERHANGS WITHIN "a" ft FROM CORNERS | N/A | N/A | N/A | N/A | -199.20 | -180.90 | -156.70 | -138.40 |
| WALLS | ZONE 4: INTERIOR | +85.76 | +82.82 | +78.94 | +76.00 | -91.30 | -88.36 | -84.47 | -81.53 |
| | ZONE 5: EXTERIOR | +85.76 | +82.82 | +78.94 | +76.00 | -107.90 | -102.02 | -94.24 | -88.36 |

- NOTES:
1. "Ae" INDICATES EFFECTIVE AREA AS DEFINED BY SECTION 26.2 OF ASCE 7.
2. PRESSURE VALUES IN ABOVE TABLE ARE BASED ON THE PARAMETERS LISTED AT THE TOP OF THE TABLE.
3. PRESSURE VALUES IN ABOVE TABLE ARE FOR:
ROOF - ENCLOSED BUILDING, GCPI = ± 0.18
WALL - PARTIALLY ENCLOSED BUILDING, GCPI = ± 0.55.
4. GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 26.10.3 OF ASCE 7.
5. POSITIVE OR NEGATIVE DESIGN PRESSURES SHALL NOT BE TAKEN LESS THAN 16 psf (ULTIMATE VALUE) OR 10 PSF (NOMINAL VALUE).
6. POSITIVE WIND PRESSURES ACT TOWARD THE SURFACE AND NEGATIVE PRESSURES ACT AWAY FROM THE SURFACE.
7. PRESSURES IN TABLE ARE ALLOWABLE PRESSURES. NO FURTHER REDUCTIONS PERMITTED.

2 TOWER ROOF WIND TABLE
S003 12" = 1'-0"



1 ROOF UPLIFT DIAGRAM
S003 1/8" = 1'-0"

| COMPONENT & CLADDING NOMINAL WIND PRESSURES (PER ASCE 7-22) | | | | | | | | | | |
|----------------------------------------------------------------|--------------------------------------------------------------|---------------------------|---------|---------|--------------------------|---------|---------|---------|---------|--|
| ULTIMATE WIND SPEED, VULT | 190 MPH | RISK CATEGORY | | IV | EDGE DISTANCE, "a" | | | | | |
| NOMINAL WIND SPEED, VASD | 147 MPH | EXPOSURE | | 1, C | ROOF SLOPE | | | | | |
| HIP ROOF 7° < 0 ≤ 20° AND h ≤ 60 FT | | DIRECTIONALITY FACTOR, Kd | | 0.85 | | | | | | |
| COMPONENT LOCATION | | POSITIVE PRESSURES (PSF) | | | NEGATIVE PRESSURES (PSF) | | | | | |
| EFFECTIVE AREA, Ae | | 10 ft² | 20 ft² | 50 ft² | 100 ft² | 10 ft² | 20 ft² | 50 ft² | 100 ft² | |
| ROOFS | ZONE 1: FROM 0.6 TO 1.2h DISTANCE FROM HIP, RIDGES AND EDGES | +23.42 | +21.95 | +20.00 | +18.54 | -91.71 | -85.66 | -77.66 | -71.61 | |
| | ZONE 2: WITHIN 0.6h DISTANCE FROM HIP, RIDGES AND EDGES | +23.42 | +21.95 | +20.00 | +18.54 | -120.98 | -113.20 | -102.92 | -95.14 | |
| | ZONE 3: WITHIN 0.6h FROM CORNERS AND 0.2h WIDE | +23.42 | +21.95 | +20.00 | +18.54 | -120.98 | -113.20 | -102.92 | -95.14 | |
| | OVERHANG: ZONE 1 & 1' | N/A | N/A | N/A | N/A | -82.93 | -81.46 | -79.52 | -78.05 | |
| OVERHANG: ZONE 2 | N/A | N/A | N/A | N/A | -112.20 | -101.83 | -88.12 | -77.74 | | |
| OVERHANG: ZONE 3 | N/A | N/A | N/A | N/A | -156.10 | -137.95 | -113.96 | -95.81 | | |
| WALLS | ZONE 4: INTERIOR | +75.61 | +73.02 | +69.59 | +67.00 | -80.49 | -77.90 | -74.47 | -71.87 | |
| | ZONE 5: EXTERIOR | +75.61 | +73.02 | +69.59 | +67.00 | -95.12 | -89.94 | -83.08 | -77.90 | |
| PARAPETS | CASE A | | CASE B | | | | | | | |
| | INTERIOR ZONE | +182.51 | +171.91 | +157.89 | +147.28 | -122.67 | -117.37 | -110.36 | -105.05 | |
| CORNER ZONE | +182.51 | +171.91 | +157.89 | +147.28 | -137.63 | -129.68 | -119.17 | -111.21 | | |

- NOTES:
1. "Ae" INDICATES EFFECTIVE AREA AS DEFINED BY SECTION 26.2 OF ASCE 7.
2. PRESSURE VALUES IN ABOVE TABLE ARE BASED ON THE PARAMETERS LISTED AT THE TOP OF THE TABLE.
3. PRESSURE VALUES IN ABOVE TABLE ARE FOR:
ROOF - ENCLOSED BUILDING, GCPI = ± 0.18
WALL - PARTIALLY ENCLOSED BUILDING, GCPI = ± 0.55.
4. GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 26.10.3 OF ASCE 7.
5. POSITIVE OR NEGATIVE DESIGN PRESSURES SHALL NOT BE TAKEN LESS THAN 16 psf (ULTIMATE VALUE) OR 10 PSF (NOMINAL VALUE).
6. POSITIVE WIND PRESSURES ACT TOWARD THE SURFACE AND NEGATIVE PRESSURES ACT AWAY FROM THE SURFACE.
7. PRESSURES IN TABLE ARE ALLOWABLE PRESSURES. NO FURTHER REDUCTIONS PERMITTED.

5 TRAINING ROOF WIND TABLE
S003 12" = 1'-0"

| COMPONENT & CLADDING NOMINAL WIND PRESSURES (PER ASCE 7-22) | | | | | | | | | |
|----------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------|--------|--------|--------------------------|---------|---------|---------|---------|
| ULTIMATE WIND SPEED, VULT | 190 MPH | RISK CATEGORY | | IV | EDGE DISTANCE, "a" | | | | |
| NOMINAL WIND SPEED, VASD | 147 MPH | EXPOSURE | | 1, C | ROOF SLOPE | | | | |
| HIP ROOF 7° < 0 ≤ 20° AND h ≤ 60 FT | | DIRECTIONALITY FACTOR, Kd | | 0.85 | | | | | |
| COMPONENT LOCATION | | POSITIVE PRESSURES (PSF) | | | NEGATIVE PRESSURES (PSF) | | | | |
| EFFECTIVE AREA, Ae | | 10 ft² | 20 ft² | 50 ft² | 100 ft² | 10 ft² | 20 ft² | 50 ft² | 100 ft² |
| ROOFS | ZONE 1: INTERIOR WITHIN "a" ft FROM EAVES TO "a" ft FROM HIP AND RIDGES | +43.88 | +37.88 | +29.94 | +23.93 | -78.79 | -69.78 | -57.88 | -48.87 |
| | ZONE 2: WITHIN "a" ft FROM HIP AND RIDGES | +43.88 | +37.88 | +29.94 | +23.93 | -108.71 | -93.70 | -73.85 | -58.84 |
| | ZONE 3: WITHIN "a" ft FROM EAVES | +43.88 | +37.88 | +29.94 | +23.93 | -108.71 | -93.70 | -73.85 | -58.84 |
| | OVERHANG: ZONE 3: OVERHANGS WITHIN "a" ft FROM CORNERS | N/A | N/A | N/A | N/A | -158.57 | -140.91 | -117.56 | -99.90 |
| WALLS | ZONE 4: INTERIOR | +77.29 | +74.64 | +71.14 | +68.48 | -82.28 | -79.63 | -76.12 | -73.47 |
| | ZONE 5: EXTERIOR | +77.29 | +74.64 | +71.14 | +68.48 | -97.24 | -91.94 | -84.93 | -79.63 |

- NOTES:
1. "Ae" INDICATES EFFECTIVE AREA AS DEFINED BY SECTION 26.2 OF ASCE 7.
2. PRESSURE VALUES IN ABOVE TABLE ARE BASED ON THE PARAMETERS LISTED AT THE TOP OF THE TABLE.
3. PRESSURE VALUES IN ABOVE TABLE ARE FOR:
ROOF - ENCLOSED BUILDING, GCPI = ± 0.18
WALL - PARTIALLY ENCLOSED BUILDING, GCPI = ± 0.55.
4. GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 26.10.3 OF ASCE 7.
5. POSITIVE OR NEGATIVE DESIGN PRESSURES SHALL NOT BE TAKEN LESS THAN 16 psf (ULTIMATE VALUE) OR 10 PSF (NOMINAL VALUE).
6. POSITIVE WIND PRESSURES ACT TOWARD THE SURFACE AND NEGATIVE PRESSURES ACT AWAY FROM THE SURFACE.
7. PRESSURES IN TABLE ARE ALLOWABLE PRESSURES. NO FURTHER REDUCTIONS PERMITTED.

4 PORCH ROOF WIND TABLE
S003 12" = 1'-0"

| COMPONENT & CLADDING NOMINAL WIND PRESSURES (PER ASCE 7-22) | | | | | | | | | |
|----------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------|--------|--------|--------------------------|---------|---------|---------|---------|
| ULTIMATE WIND SPEED, VULT | 190 MPH | RISK CATEGORY | | IV | EDGE DISTANCE, "a" | | | | |
| NOMINAL WIND SPEED, VASD | 147 MPH | EXPOSURE | | 1, C | ROOF SLOPE | | | | |
| HIP ROOF 7° < 0 ≤ 20° AND h ≤ 60 FT | | DIRECTIONALITY FACTOR, Kd | | 0.85 | | | | | |
| COMPONENT LOCATION | | POSITIVE PRESSURES (PSF) | | | NEGATIVE PRESSURES (PSF) | | | | |
| EFFECTIVE AREA, Ae | | 10 ft² | 20 ft² | 50 ft² | 100 ft² | 10 ft² | 20 ft² | 50 ft² | 100 ft² |
| ROOFS | ZONE 1: INTERIOR WITHIN "a" ft FROM EAVES TO "a" ft FROM HIP AND RIDGES | +47.86 | +41.32 | +32.66 | +26.11 | -107.69 | -95.11 | -78.47 | -65.89 |
| | ZONE 2: WITHIN "a" ft FROM HIP AND RIDGES | +47.86 | +41.32 | +32.66 | +26.11 | -140.33 | -126.49 | -108.19 | -94.34 |
| | ZONE 3: WITHIN "a" ft FROM EAVES | +47.86 | +41.32 | +32.66 | +26.11 | -151.21 | -136.11 | -116.15 | -101.05 |
| | OVERHANG: ZONE 3: OVERHANGS WITHIN "a" ft FROM CORNERS | N/A | N/A | N/A | N/A | -195.80 | -177.82 | -154.03 | -136.04 |
| WALLS | ZONE 4: INTERIOR | +84.31 | +81.41 | +77.59 | +74.70 | -89.74 | -86.85 | -83.03 | -80.14 |
| | ZONE 5: EXTERIOR | +84.31 | +81.41 | +77.59 | +74.70 | -106.06 | -100.28 | -92.63 | -86.85 |

- NOTES:
1. "Ae" INDICATES EFFECTIVE AREA AS DEFINED BY SECTION 26.2 OF ASCE 7.
2. PRESSURE VALUES IN ABOVE TABLE ARE BASED ON THE PARAMETERS LISTED AT THE TOP OF THE TABLE.
3. PRESSURE VALUES IN ABOVE TABLE ARE FOR:
ROOF - ENCLOSED BUILDING, GCPI = ± 0.18
WALL - PARTIALLY ENCLOSED BUILDING, GCPI = ± 0.55.
4. GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 26.10.3 OF ASCE 7.
5. POSITIVE OR NEGATIVE DESIGN PRESSURES SHALL NOT BE TAKEN LESS THAN 16 psf (ULTIMATE VALUE) OR 10 PSF (NOMINAL VALUE).
6. POSITIVE WIND PRESSURES ACT TOWARD THE SURFACE AND NEGATIVE PRESSURES ACT AWAY FROM THE SURFACE.
7. PRESSURES IN TABLE ARE ALLOWABLE PRESSURES. NO FURTHER REDUCTIONS PERMITTED.

3 MAIN ROOF WIND TABLE
S003 12" = 1'-0"

COMM. NO.: 23FTM232
ISSUE DATE: 12.22.23

DRAWN BY: RHE

WIND PRESSURES

S003

100% CONSTRUCTION DOCUMENTS



SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION: 5171 SANIBEL-CAPTIVA SANIBEL, FLORIDA 33957



9510 Corkscrew Palms Circle, Unit 1 Estero, FL 33928 voice (239) 208-4846

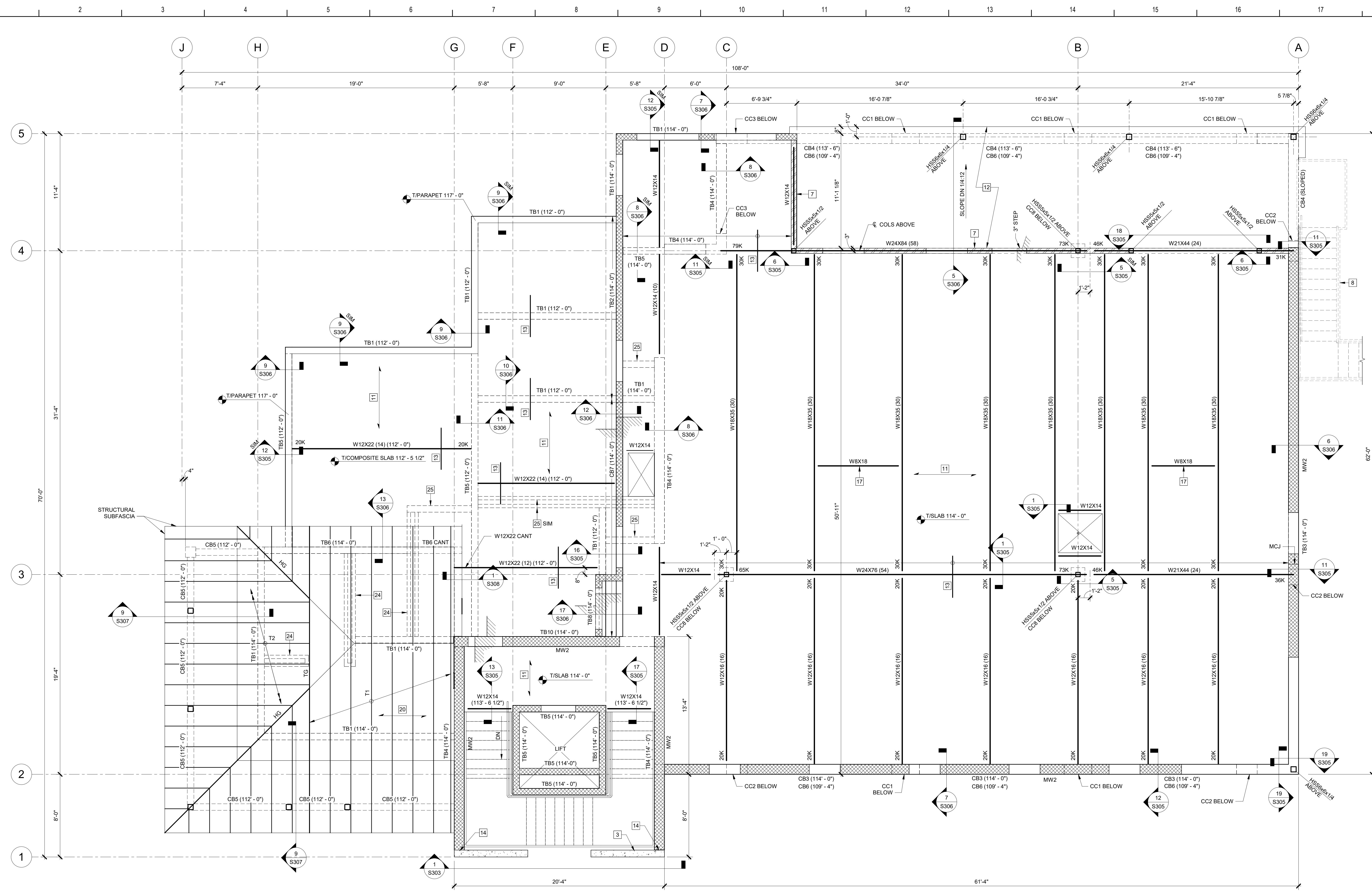
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REVISIONS table with columns: MARK, DESCRIPTION, DATE



1 SECOND FLOOR AND LOW ROOF FRAMING PLAN S121 114'-11" x 17'-0"

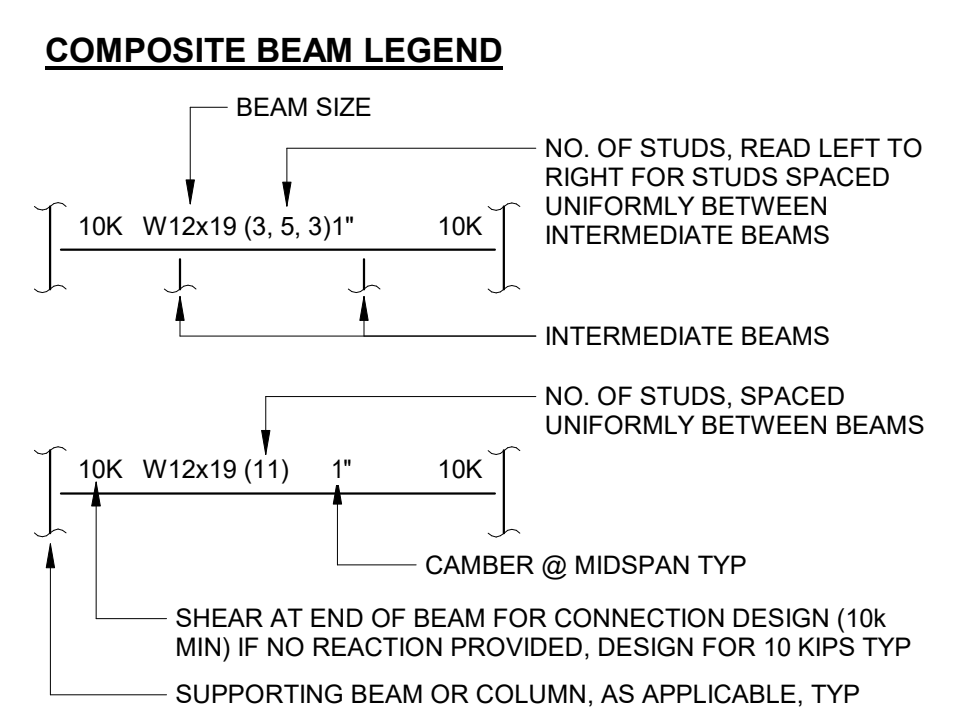
ROOF TRUSSES ARE A DELAYED SUBMITTAL

- SECOND FLOOR & LOW ROOF PLAN NOTES: 1. TISLAB IS BASED ON A TOP OF FIRST FLOOR SLAB REFERENCE ELEVATION 0'-0". 2. SEE SHEET S001 - S003 FOR STRUCTURAL NOTES AND DESIGN CRITERIA. 3. VERIFY ALL DIMENSIONS, ELEVATIONS AND FINISHES WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION OR FABRICATION. 4. TOP OF STEEL ELEVATION SHALL BE 5 1/2" BELOW TOP OF SLAB ELEVATION. 5. DENOTES DECK SPAN DIRECTION. 6. ALL COMPOSITE FLOOR BEAMS SHALL HAVE A MINIMUM OF 3/4" x 4 1/2" HEADED STUDS AT 38" OC MAX. SEE 1 / S306. 7. COMPOSITE STEEL FRAMING SHALL NOT BE SHORED DURING CONSTRUCTION. FLOOR FRAMING DESIGNED FOR AN UNSHORED CONDITION DURING CONSTRUCTION. 8. ALL SIMPSON STRONG TIE CONNECTORS TO BE HOT DIPPED GALVANIZED STEEL. 9. ANY SIMPSON STRONG TIE HANGER MAY HAVE A SLOPED SEAT AS REQUIRED TO MAINTAIN ROOF SLOPE SPECIFIED BY ARCHITECT. 10. ALL SIMPSON CONNECTORS MUST BE INSTALLED AS PER SIMPSON STRONG-TIE'S INSTRUCTIONS AND RECOMMENDATIONS. ALL TIE DOWNS ARE TO BE INSTALLED WITH THE MAXIMUM NUMBER OF FASTENERS POSSIBLE, AS DEFINED BY SIMPSON STRONG-TIE. 11. PROVIDE A MOISTURE BARRIER BETWEEN WOOD TRUSSES / RAFTERS AND CONCRETE / MASONRY PER ARCHITECTURAL SPECIFICATIONS. 12. ALL MASONRY (CMU) WALLS TO BE TYPE MW1, UNLESS NOTED OTHERWISE. SEE SHEET S302 FOR CMU WALL SCHEDULE AND ADDITIONAL INFORMATION.

- SECOND FLOOR & LOW ROOF LEGEND: CB# & TB# CONCRETE BEAM & TIE BEAM TYPE. T1 PRE-ENGINEERED WOOD TRUSSES AT 2'-0" OC MAXIMUM SPACING. T2 PRE-ENGINEERED WOOD JACK TRUSSES AT 2'-0" OC MAXIMUM SPACING. HG PRE-ENGINEERED HIP TRUSS GIRDER. TG PRE-ENGINEERED TRUSS GIRDER. CC# CONCRETE COLUMN TYPE. MASONRY (CMU) WALLS. CMU CONTROL JOINT.

SIMPSON STRONGTIE TRUSS TIE DOWN SCHEDULE table with columns: MARK, CONNECTOR TYPE, CAPACITY, NOTES

KEYNOTES table with columns: KEY, DESCRIPTION



- NOTES: 1. SEE PLAN NOTES FOR STUD SIZE. 2. SEE 1 / S306 FOR STUD PLACEMENT. 3. WHERE # OF STUDS ARE NOT INDICATED, BEAM IS NON-COMPOSITE. 4. LOADS ARE SERVICE LEVEL (ASD).

COMM. NO.: 23FTM232 ISSUE DATE: 12.22.23 DRAWN BY: SEGRHE

SECOND FLOOR AND LOW ROOF FRAMING PLAN

S121

100% CONSTRUCTION DOCUMENTS



**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms
Circle, Unit 1
Estero, FL 33928
voice (239) 208-4846

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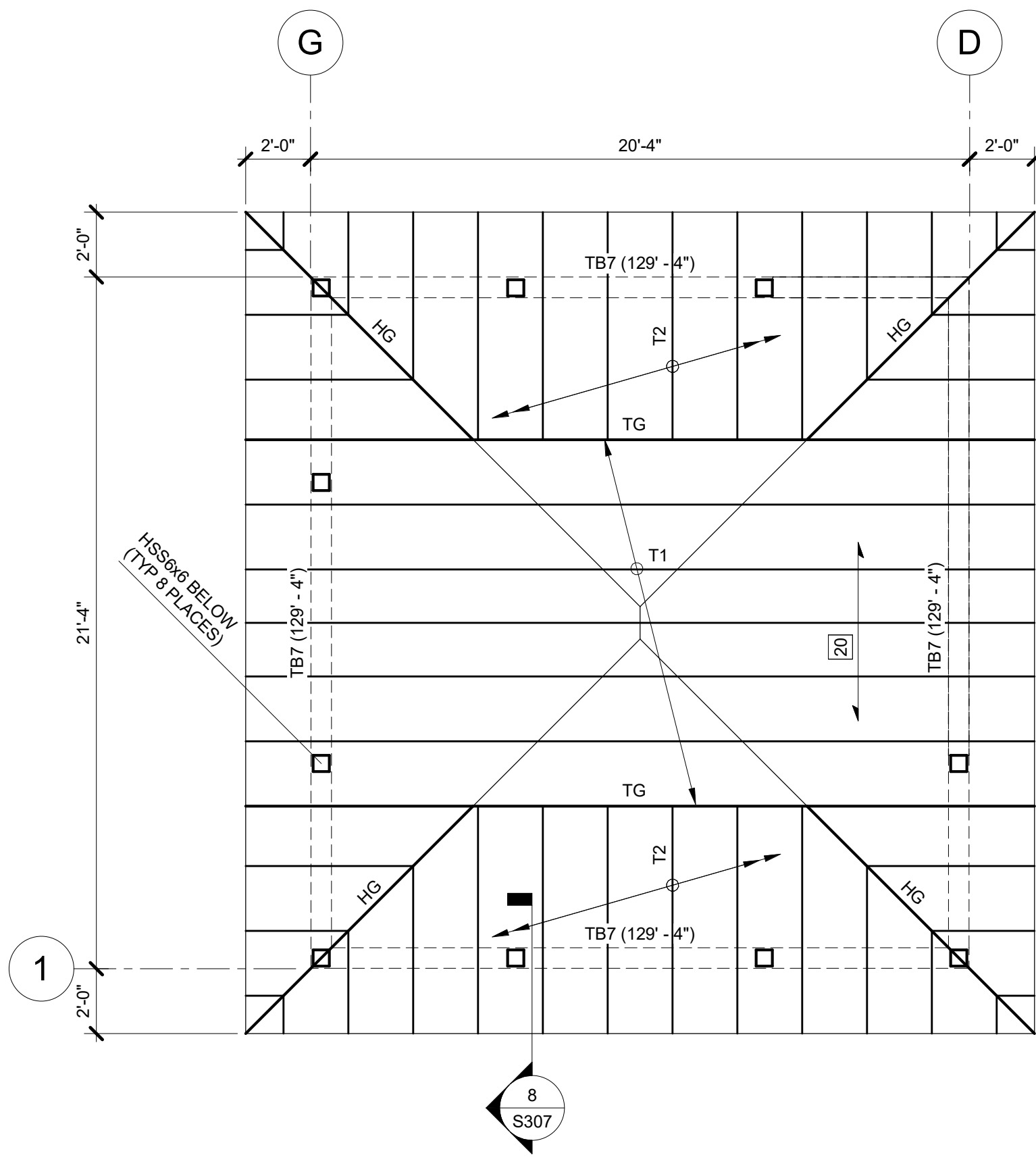


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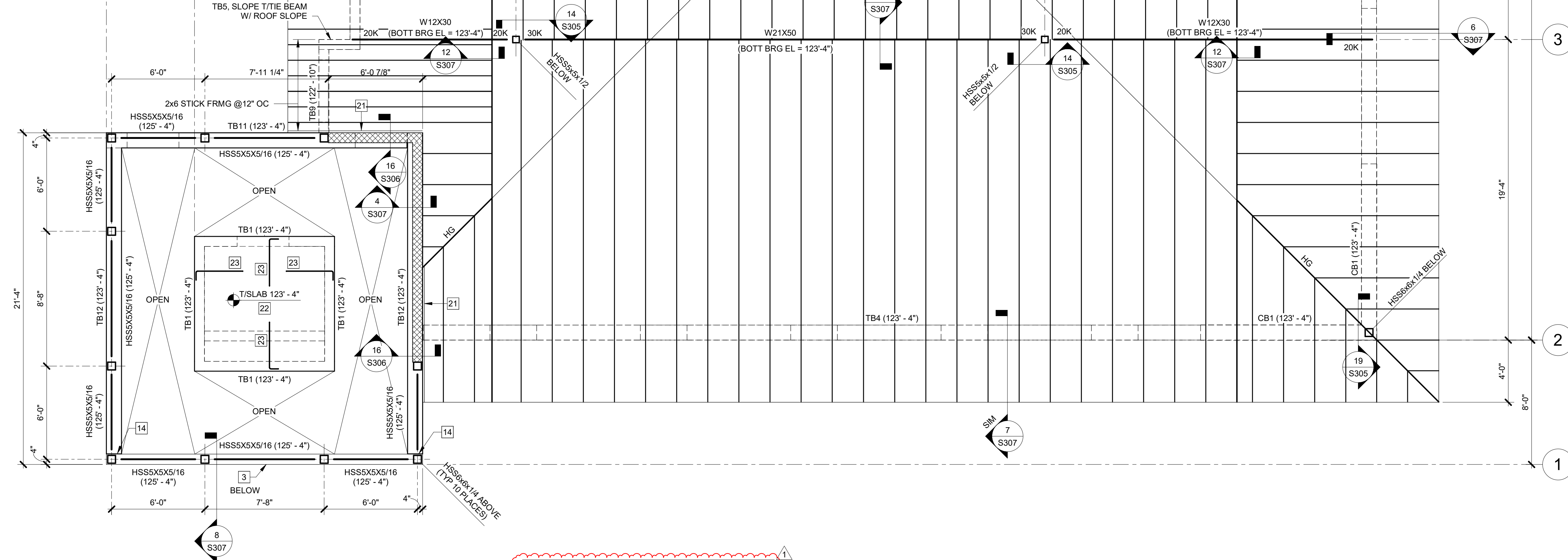
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| MARK | DESCRIPTION | DATE |
| 1 | Permit comment response | 10/14/24 |



2 TOWER ROOF FRAMING PLAN
S131 1/4" = 1'-0"



1 MAIN ROOF FRAMING PLAN
S131 1/4" = 1'-0"

| SIMPSON STRONGTIE TRUSS TIE DOWN SCHEDULE | | | |
|-------------------------------------------|----------------|----------|----------------------------------------------------------------------------------|
| MARK | CONNECTOR TYPE | CAPACITY | NOTES |
| [A] | HHETA16 | 2,120# | TYPICAL TIE DOWN UNLESS NOTED OTHERWISE |
| [B] | (2) VGT | 7,185# | (2) PLY TRUSS MIN. VGT ON EA SIDE OF TRUSS TYPICAL HIP AND TRUSS GIRDER TIE DOWN |

- ROOF FRAMING PLAN NOTES:**
- SEE SHEET S001 - S003 FOR STRUCTURAL NOTES AND DESIGN CRITERIA.
 - VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION OR FABRICATION. SEE ARCHITECTURAL DRAWINGS FOR ROOF SLOPES, TRUSS CONFIGURATIONS, FINISHES AND ADDITIONAL INFORMATION.
 - ALL SIMPSON STRONG TIE CONNECTORS TO BE HOT DIPPED GALVANIZED STEEL.
 - ANY SIMPSON STRONG TIE HANGER MAY HAVE A SLOPED SEAT AS REQUIRED TO MAINTAIN ROOF SLOPE SPECIFIED BY ARCHITECT.
 - ALL SIMPSON CONNECTORS MUST BE INSTALLED AS PER SIMPSON STRONG-TIE'S INSTRUCTIONS AND RECOMMENDATIONS. ALL TIE DOWNS ARE TO BE INSTALLED WITH THE MAXIMUM NUMBER OF FASTENERS POSSIBLE, AS DEFINED BY SIMPSON STRONG-TIE.
 - PROVIDE A MOISTURE BARRIER BETWEEN WOOD TRUSSES / RAFTERS AND CONCRETE / MASONRY PER ARCHITECTURAL SPECIFICATIONS.
 - ↔ DENOTES DECK SPAN DIRECTION.
 - ALL MASONRY (CMU) WALLS TO BE TYPE MW1. SEE SHEET S302 FOR CMU WALL SCHEDULE AND ADDITIONAL INFORMATION.
 - BEAM REACTIONS SHOWN ARE SERVICE LEVEL (ASD).

- ROOF LEGEND**
- CB# & TB# CONCRETE BEAM & TIE BEAM TYPE, SEE SHEET S2.1 FOR BEAM SCHEDULE
 - T1 PRE-ENGINEERED WOOD TRUSSES AT 2'-0" OC MAXIMUM SPACING. PROVIDE HOLDOWN [A] AT SUPPORTS, TYP UNO
 - T2 PRE-ENGINEERED WOOD JACK TRUSSES AT 2'-0" OC MAXIMUM SPACING. PROVIDE HOLDOWN [A] AT SUPPORTS, TYP UNO
 - HG PRE-ENGINEERED HIP TRUSS GIRDER. PROVIDE HOLDOWN [B] AT SUPPORTS, TYP UNO
 - TG PRE-ENGINEERED TRUSS GIRDER. PROVIDE HOLDOWN [B] AT SUPPORTS, TYP UNO
 - ▣ MASONRY (CMU) WALLS. SEE NOTE 8

| KEYNOTES | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KEY | DESCRIPTION |
| 3 | 8" THICK 4,000 PSI (NW 145 PCF) CONCRETE WALL |
| 14 | TIE BEAM HORIZONTAL REINFORCING TO HOOK AT FAR SIDE OF CONCRETE WALL |
| 20 | 15/32" STRUCTURAL I OSB ROOF DECK. NAIL TO ALL ROOF SUPPORTS W/ 16d NAILS @6" OC AT INTERIOR SUPPORTS AND @6" OC AT EDGES. SEE 1/S307 FOR ADDITIONAL INFORMATION |
| 21 | 2x6 CONT PT LEDGER. SEE 16/S306 |
| 22 | 6" THICK 4,000 PSI (NW 145 PCF) CONCRETE SLAB W/ #5@10" OC EACH WAY BOTTOM |
| 23 | #5@10" OC TOP x3'-0" W/ 90 DEGREE HOOK, TYP AROUND PERIMETER |

COMM. NO.: 23FTM232
ISSUE DATE: 12.22.23
DRAWN BY: SEGRHRE

**MAIN ROOF AND TOWER
ROOF FRAMING PLANS**

S131

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SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION: 5171 SANIBEL-CAPTIVA SANIBEL, FLORIDA 33957



9510 Corkscrew Palms Circle, Unit 1 Estero, FL 33928 voice (239) 208-4846

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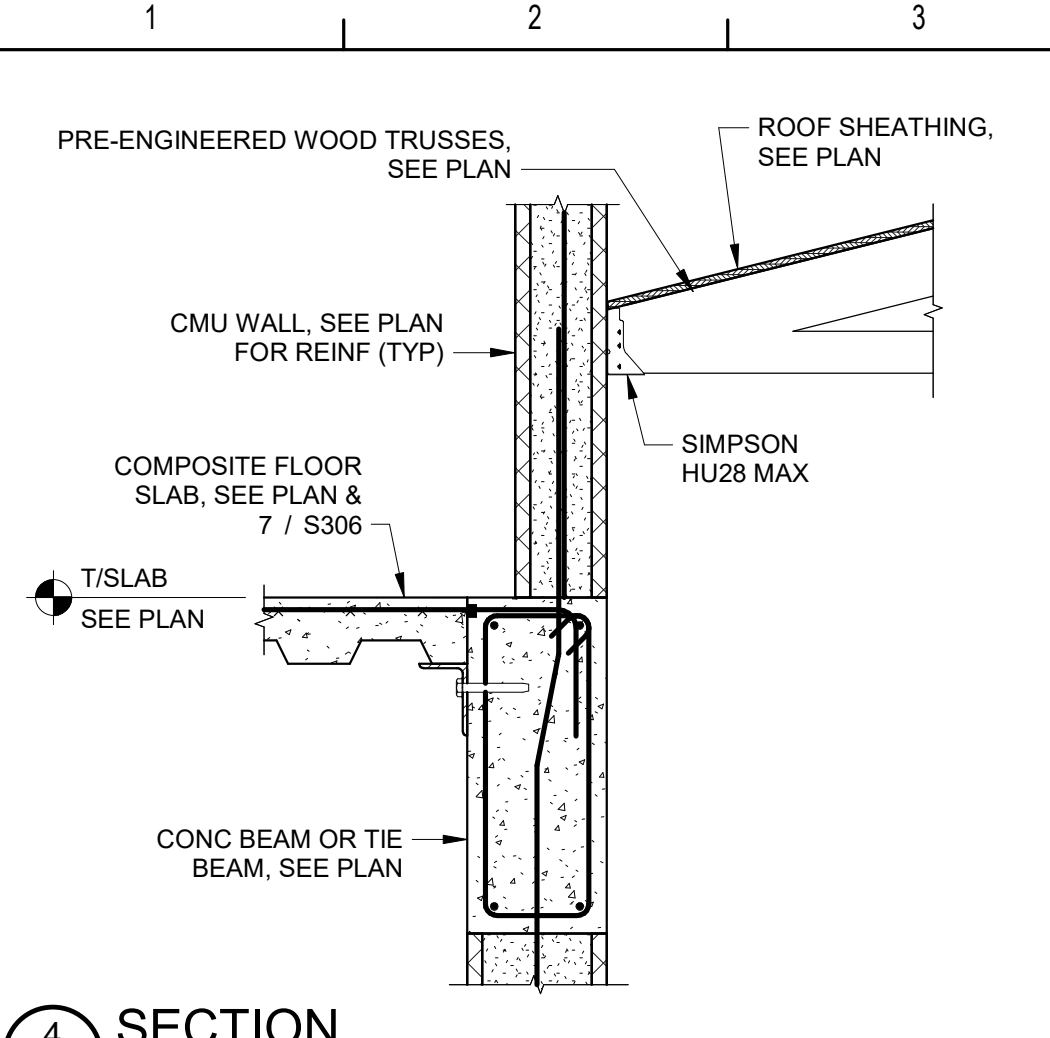
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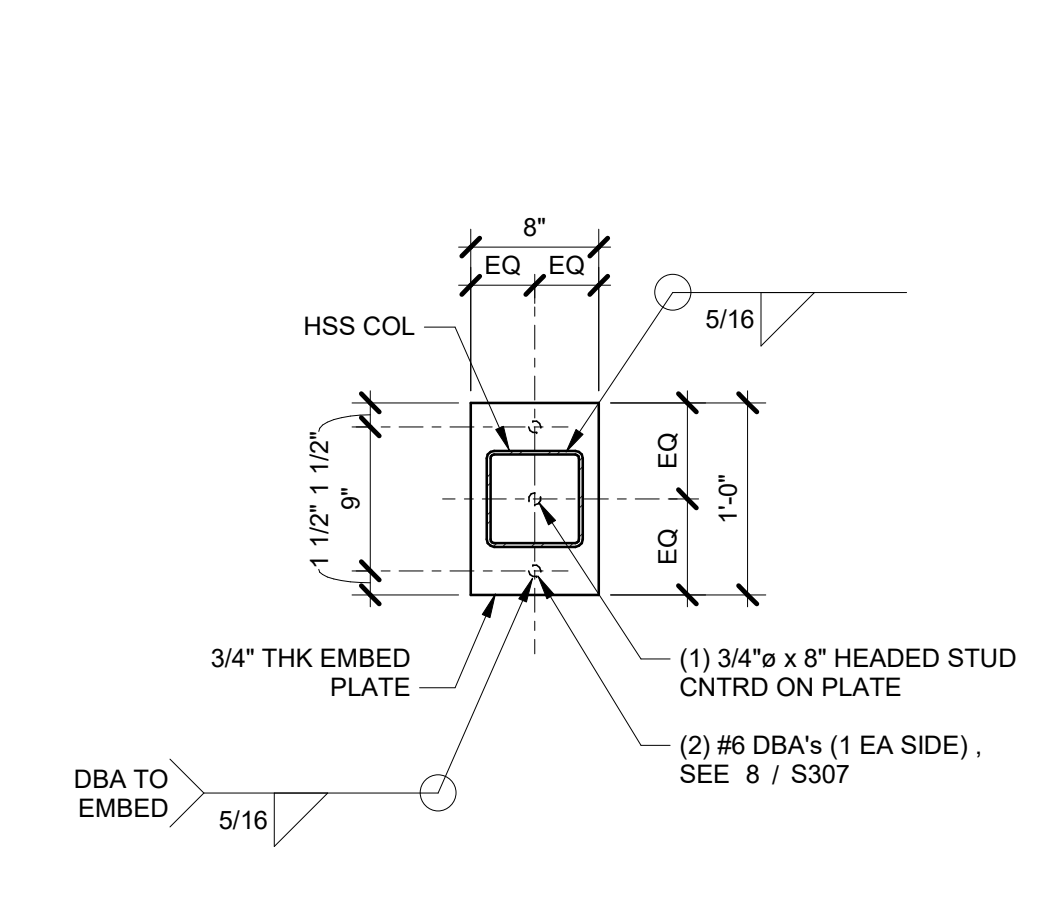
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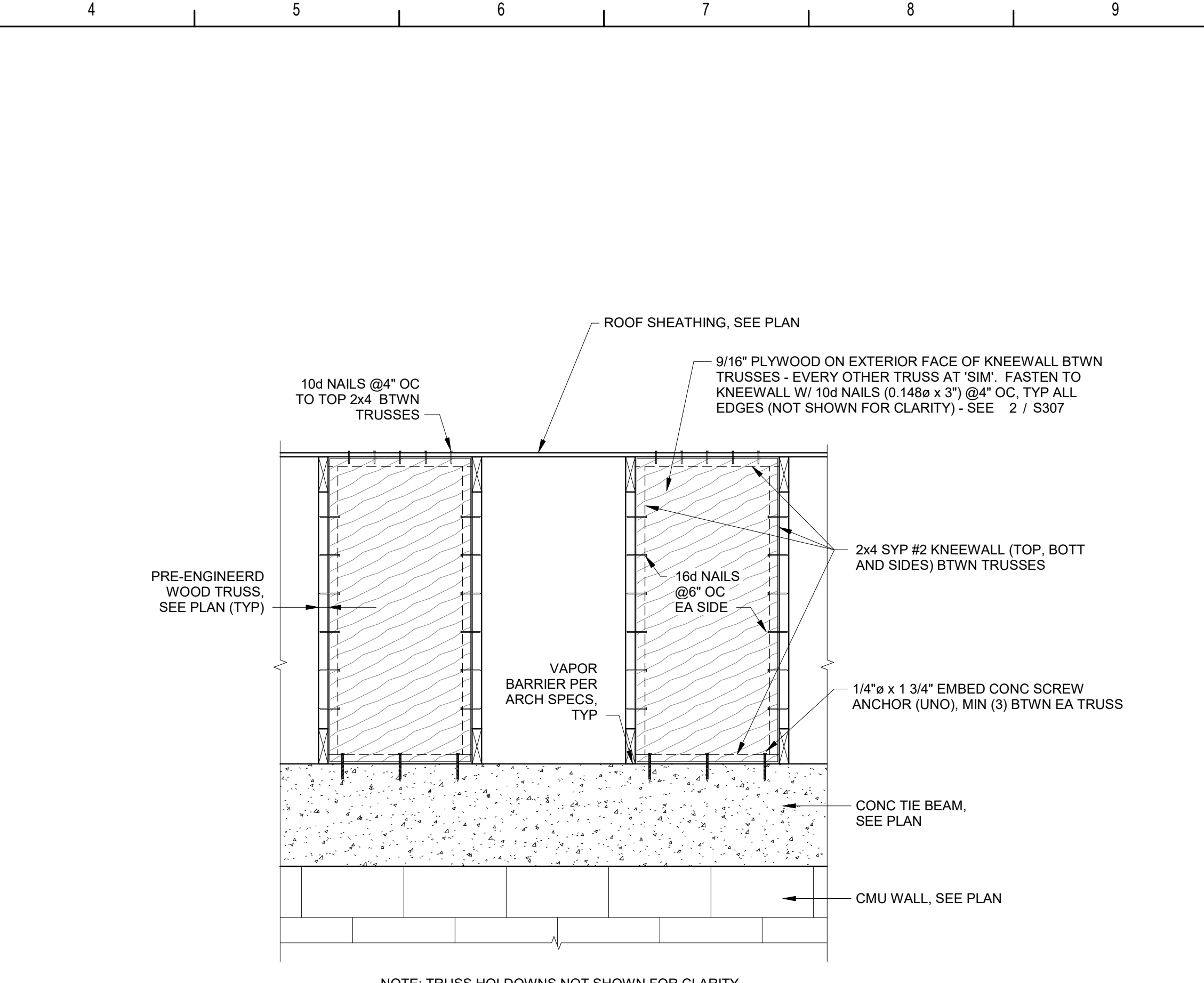
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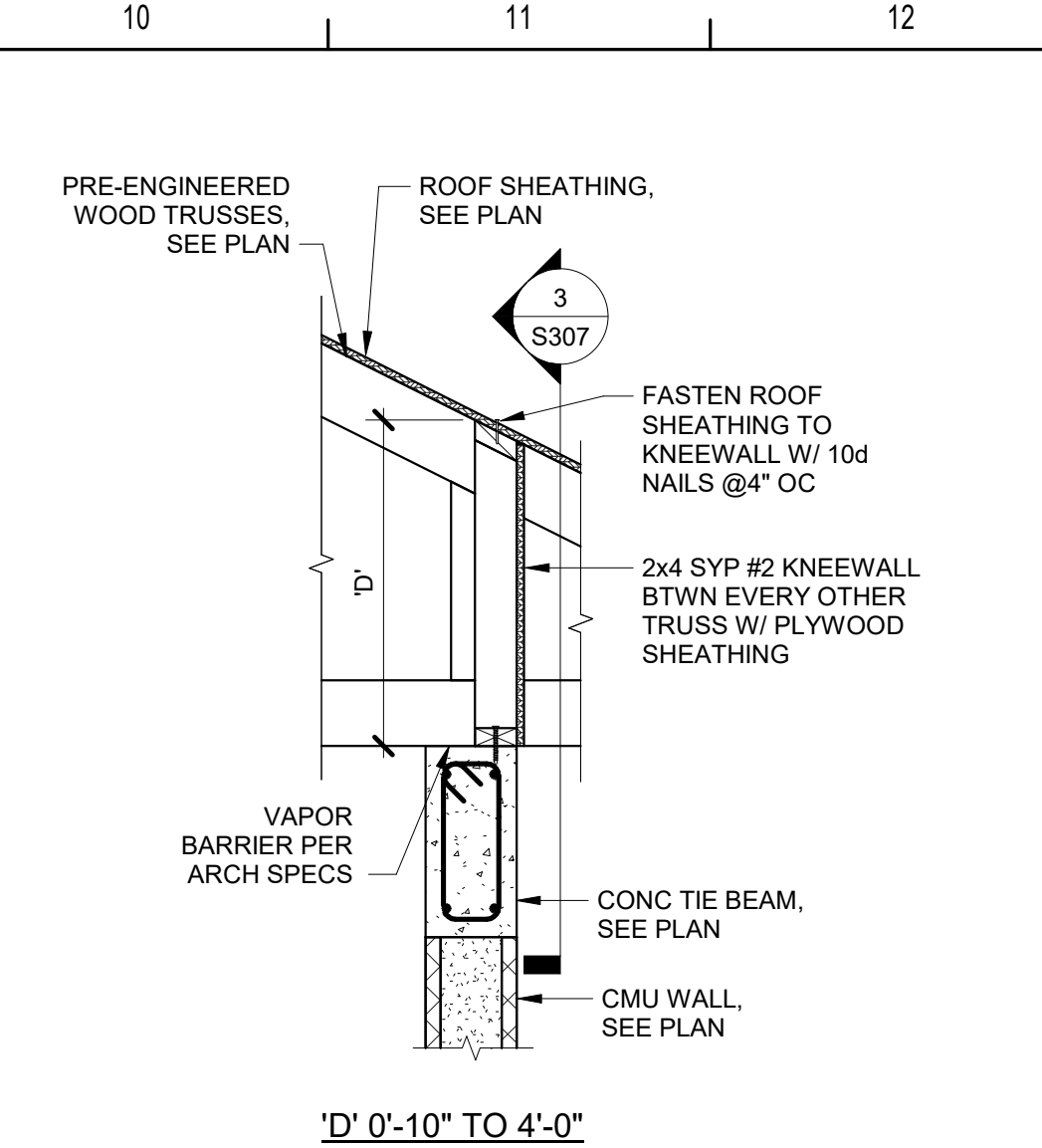
4 SECTION S307 3/4" = 1'-0"



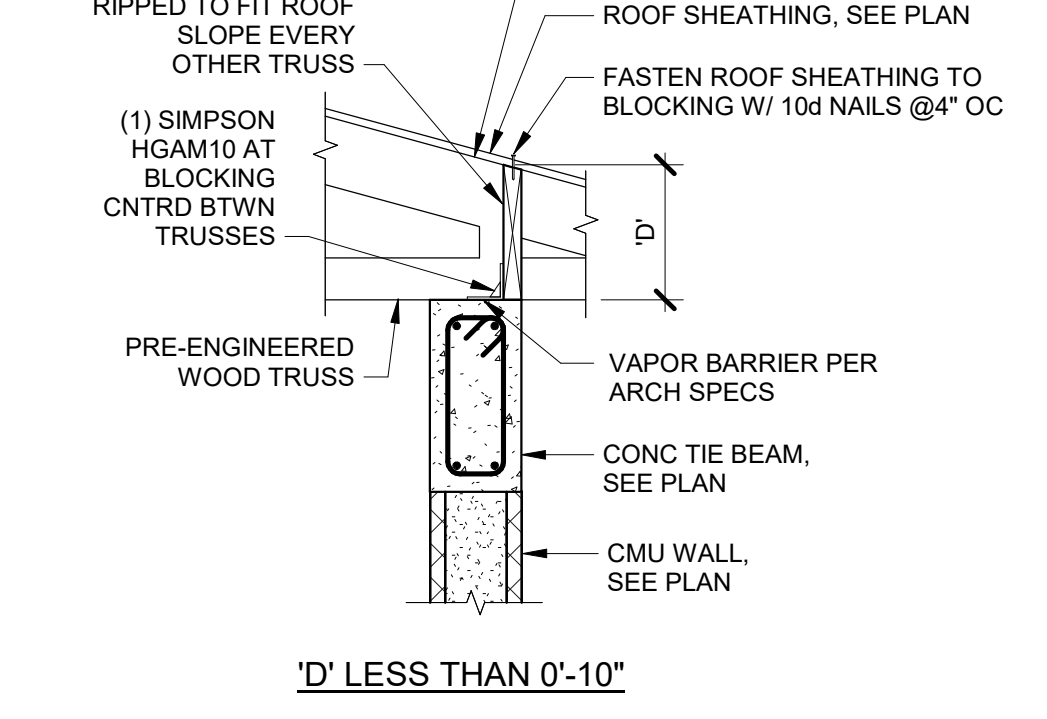
5 HSS TOWER COLUMN EMBED PLATE S307 1" = 1'-0"



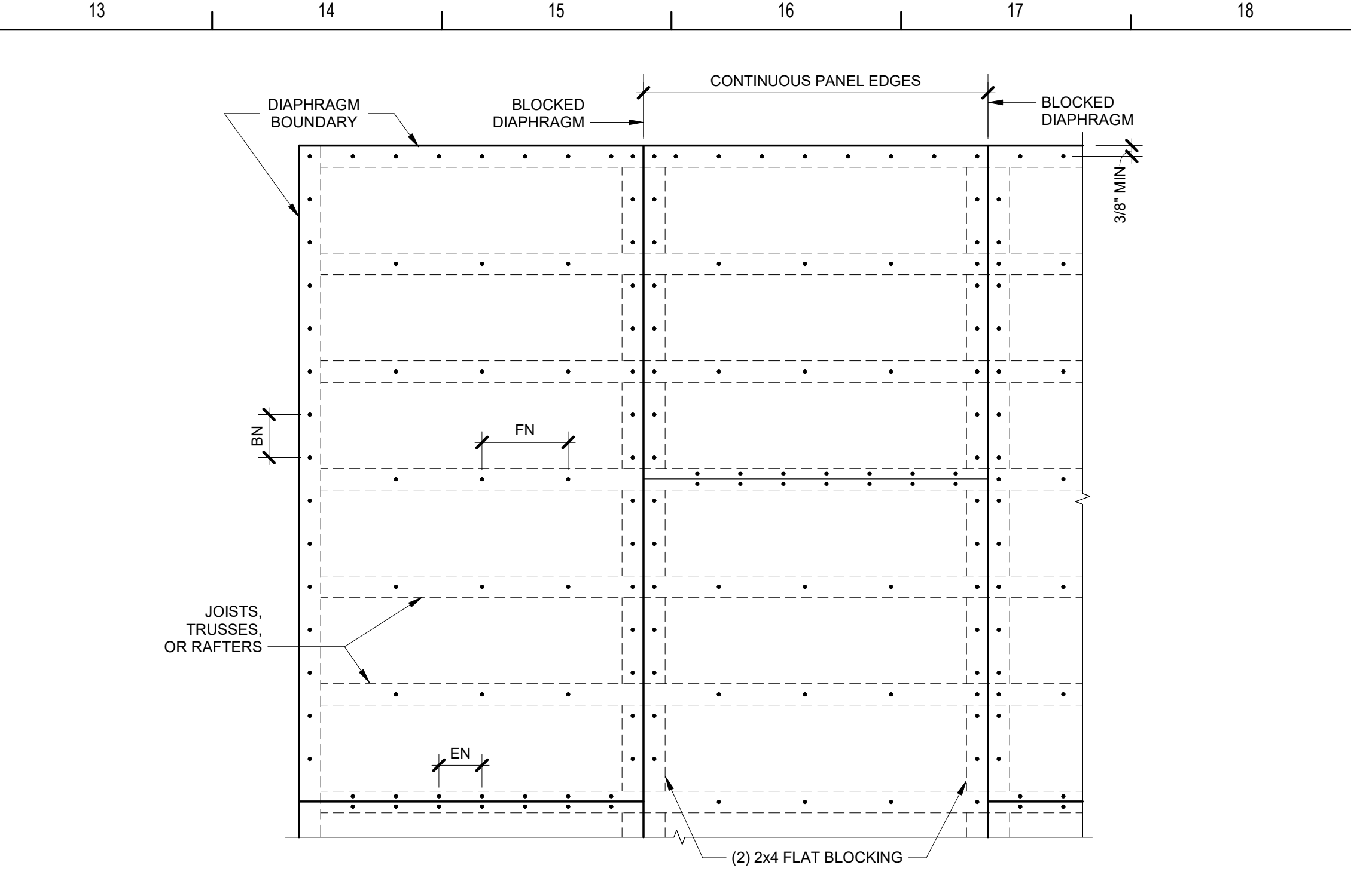
3 TRUSS BLOCKING SECTION S307 3/4" = 1'-0"



2 TRUSS BLOCKING DETAILS S307 3/4" = 1'-0"



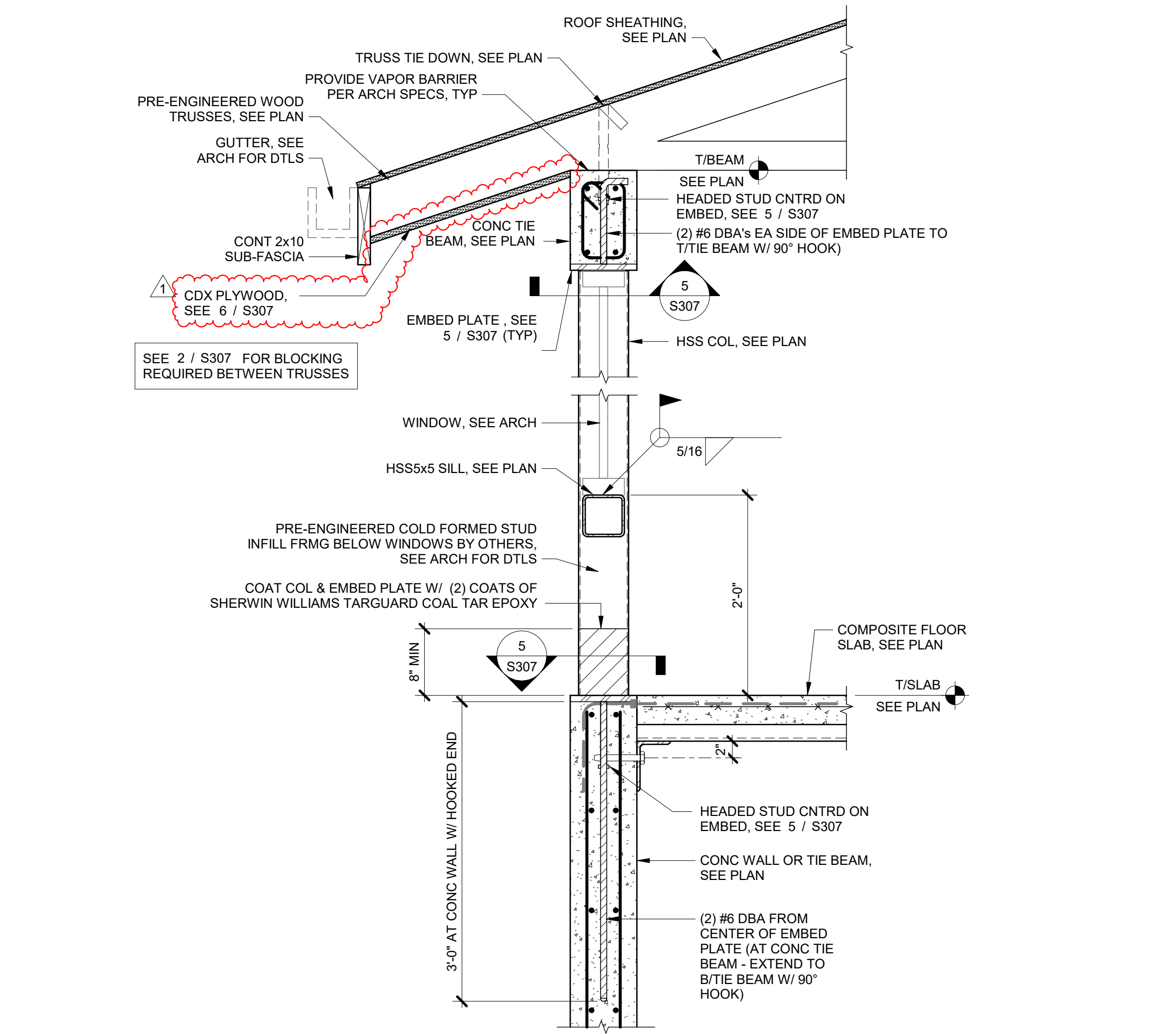
2 TRUSS BLOCKING DETAILS S307 3/4" = 1'-0"



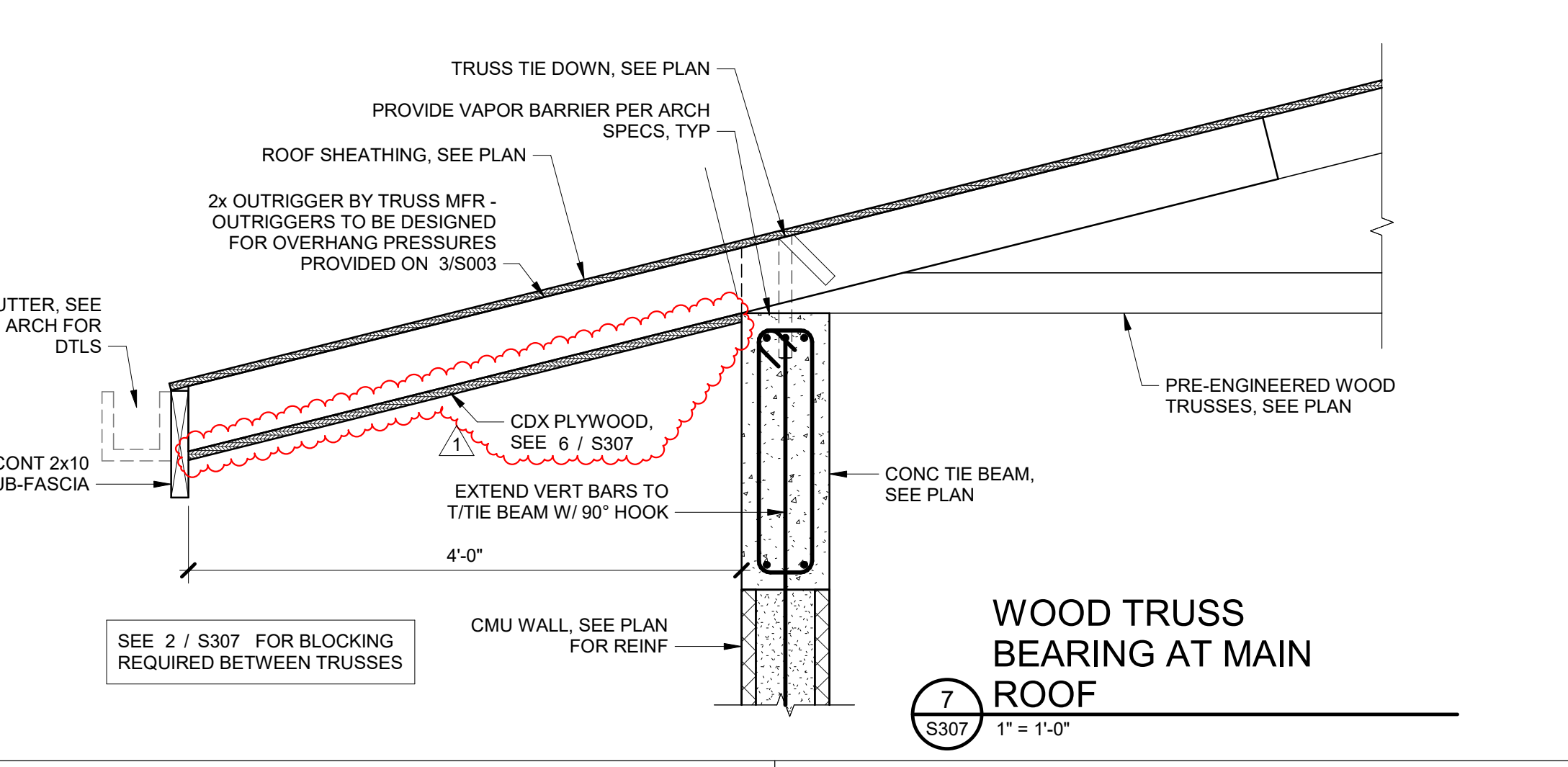
| DIAPHRAGM SCHEDULE | | | | | |
|--------------------|-------------|-------------|-------------|----------------------|-------------------------------------------------------------------------------------------|
| MARK | BN | FN | EN | BLOCKED OR UNBLOCKED | LEGEND: |
| ALL ROOF DECKS | 10d @ 6" OC | 10d @ 6" OC | 10d @ 6" OC | BLOCKED | BN - BOUNDARY NAIL FN - FIELD NAIL OR NAILS AT INTERMEDIATE SUPPORTS EN - EDGE NAIL |

- NOTES:
- AT DIAPHRAGM BOUNDARY, PROVIDE MINIMUM 2x6 #2 SYP CONTINUOUS W/ SIMPSON LSTA18 AT EACH SPLICE (ZMAX COATED). FASTEN 2x6 TO EACH FRAMING MEMBER W/ (2) 16d NAILS. (TYP UNO)
 - 16d NAIL SHALL BE 16d COMMON (0.102"x3.12")
 - 10d NAIL SHALL BE 10d COMMON (0.148"x3")
 - 9d NAIL SHALL BE 8d COMMON (0.131"x2.12")
 - FASTEN BLOCKING TOGETHER W/ (2) ROWS OF 16d NAILS @ 12" OC.

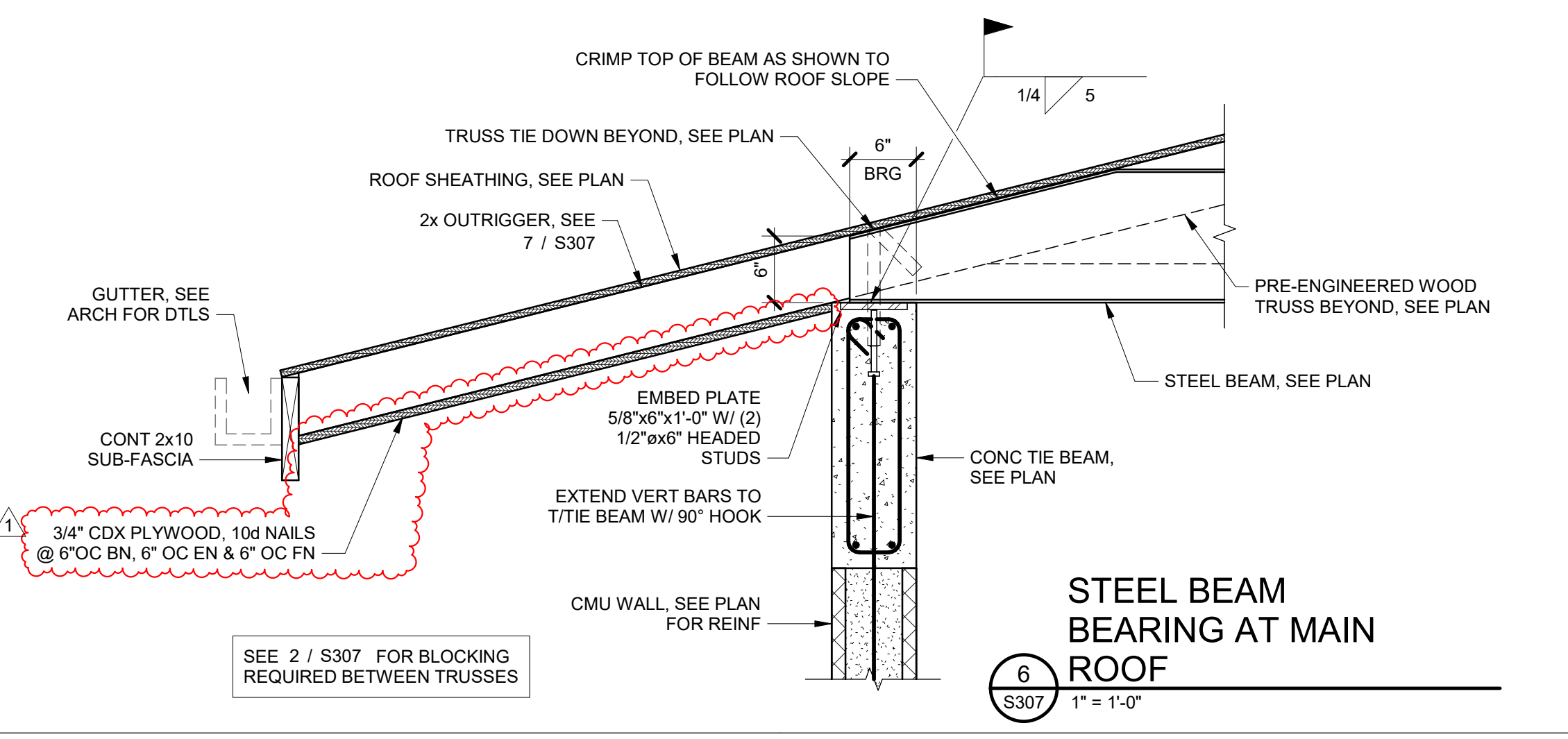
1 ROOF DIAPHRAGM NAILING S307 3/4" = 1'-0"



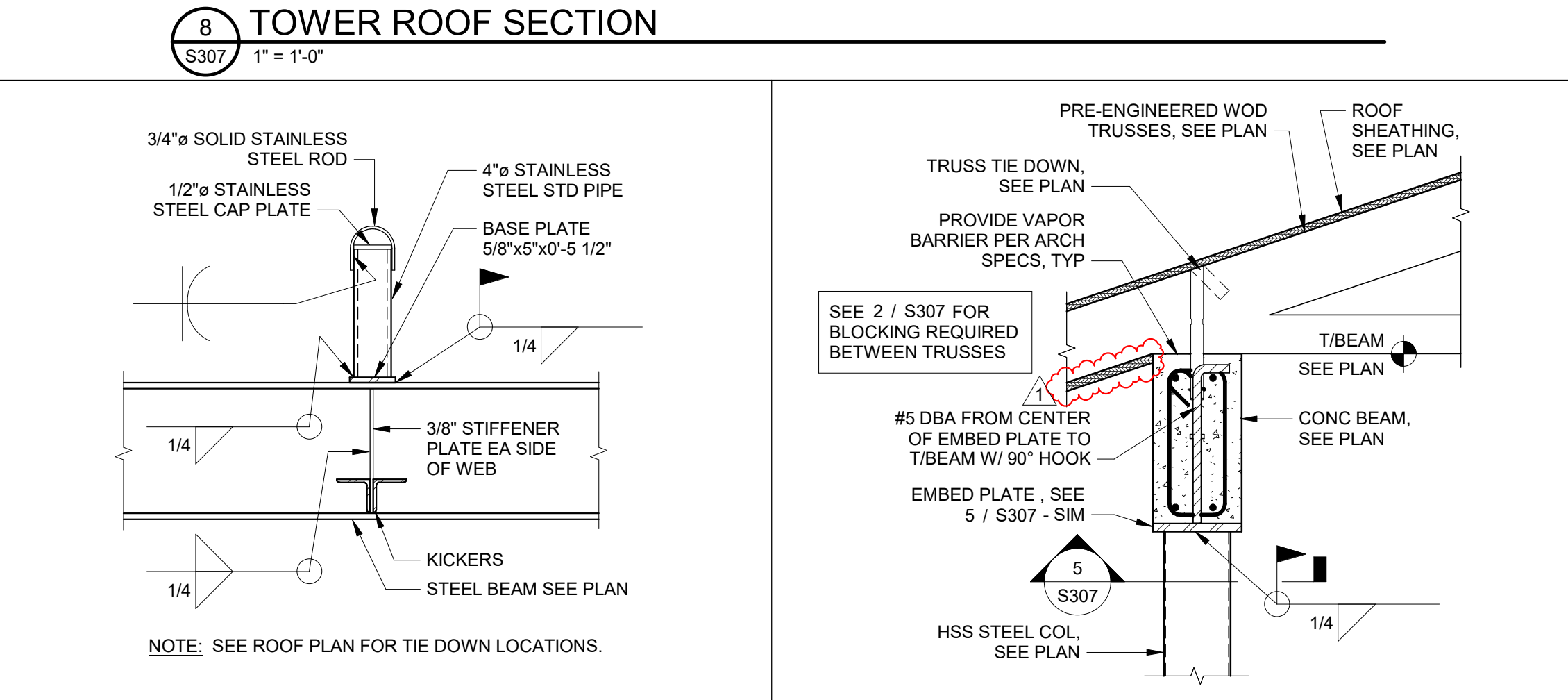
8 TOWER ROOF SECTION S307 1" = 1'-0"



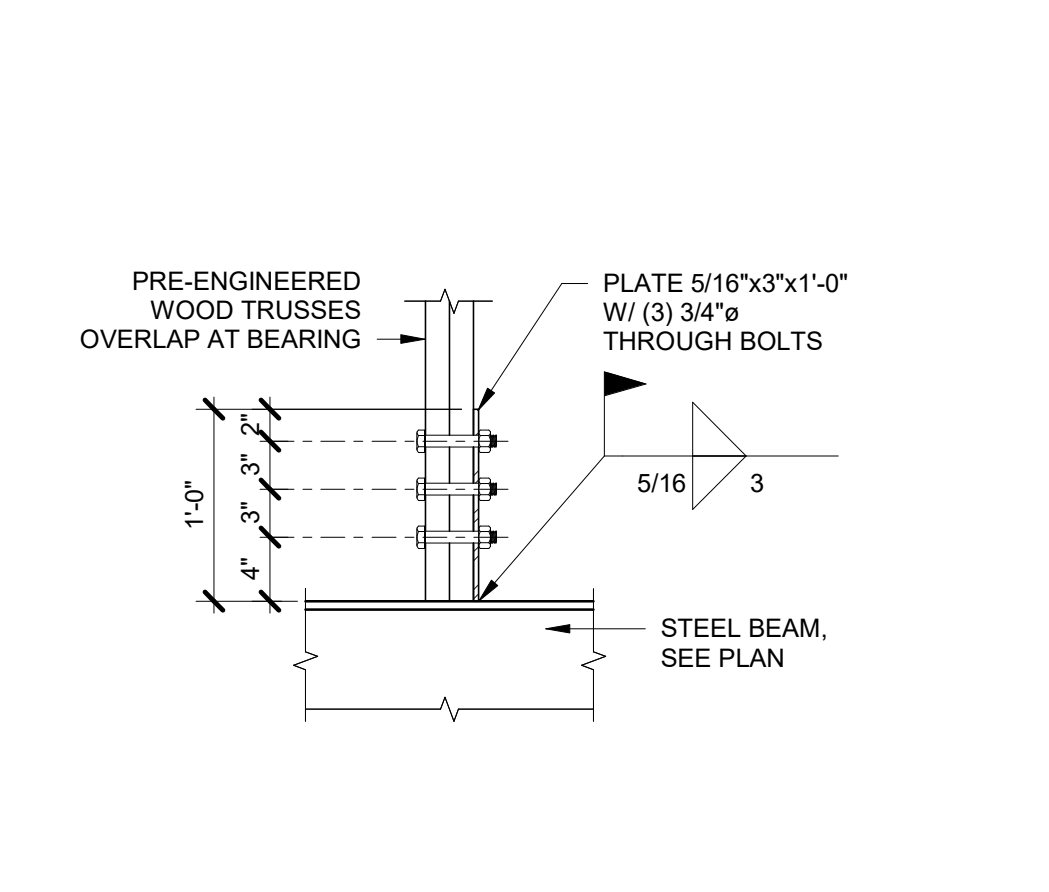
7 WOOD TRUSS BEARING AT MAIN ROOF S307 1" = 1'-0"



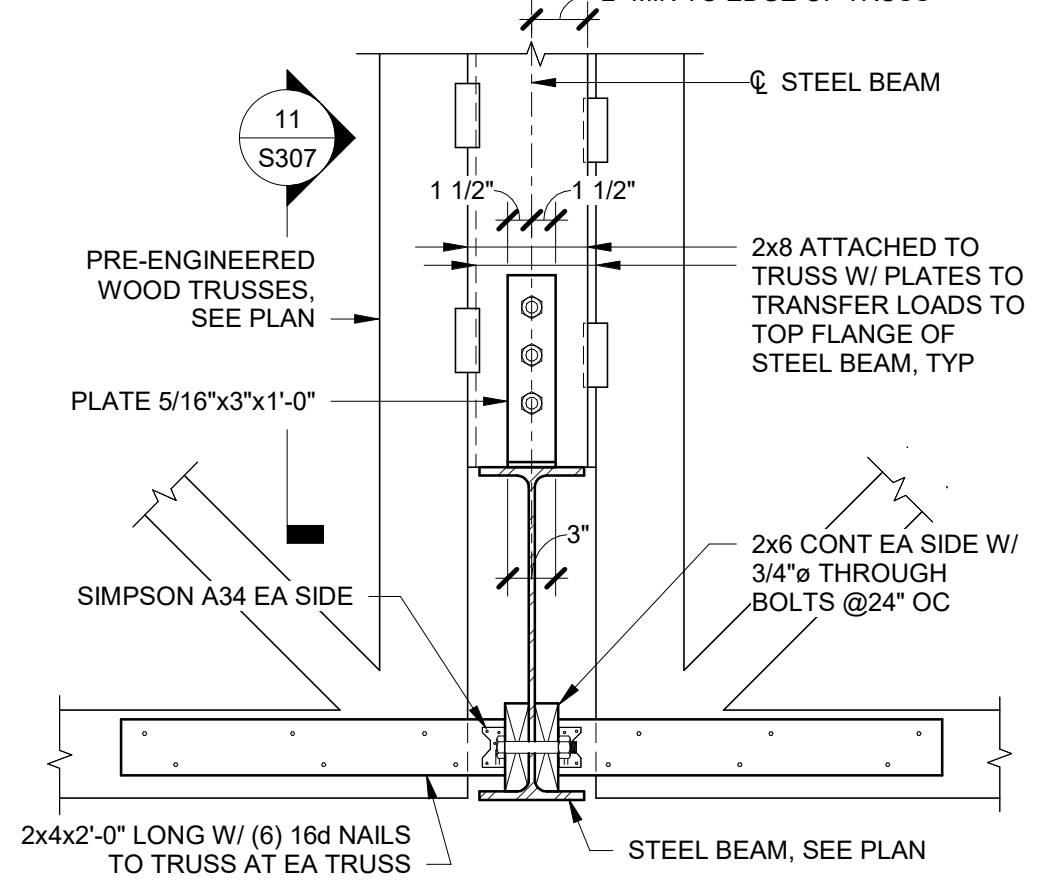
6 STEEL BEAM BEARING AT MAIN ROOF S307 1" = 1'-0"



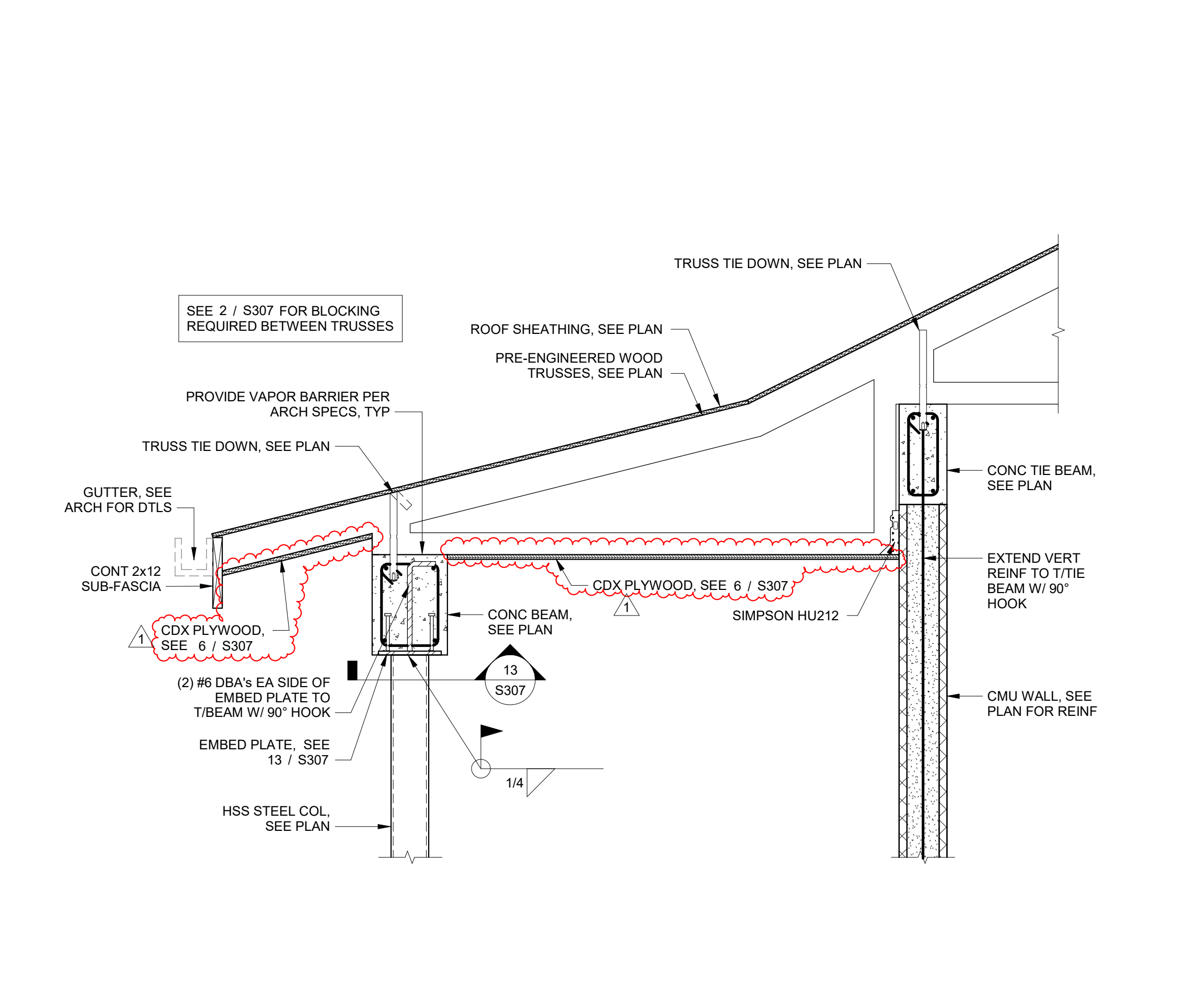
15 SAFETY ROPE TIE DOWN S307 3/4" = 1'-0"



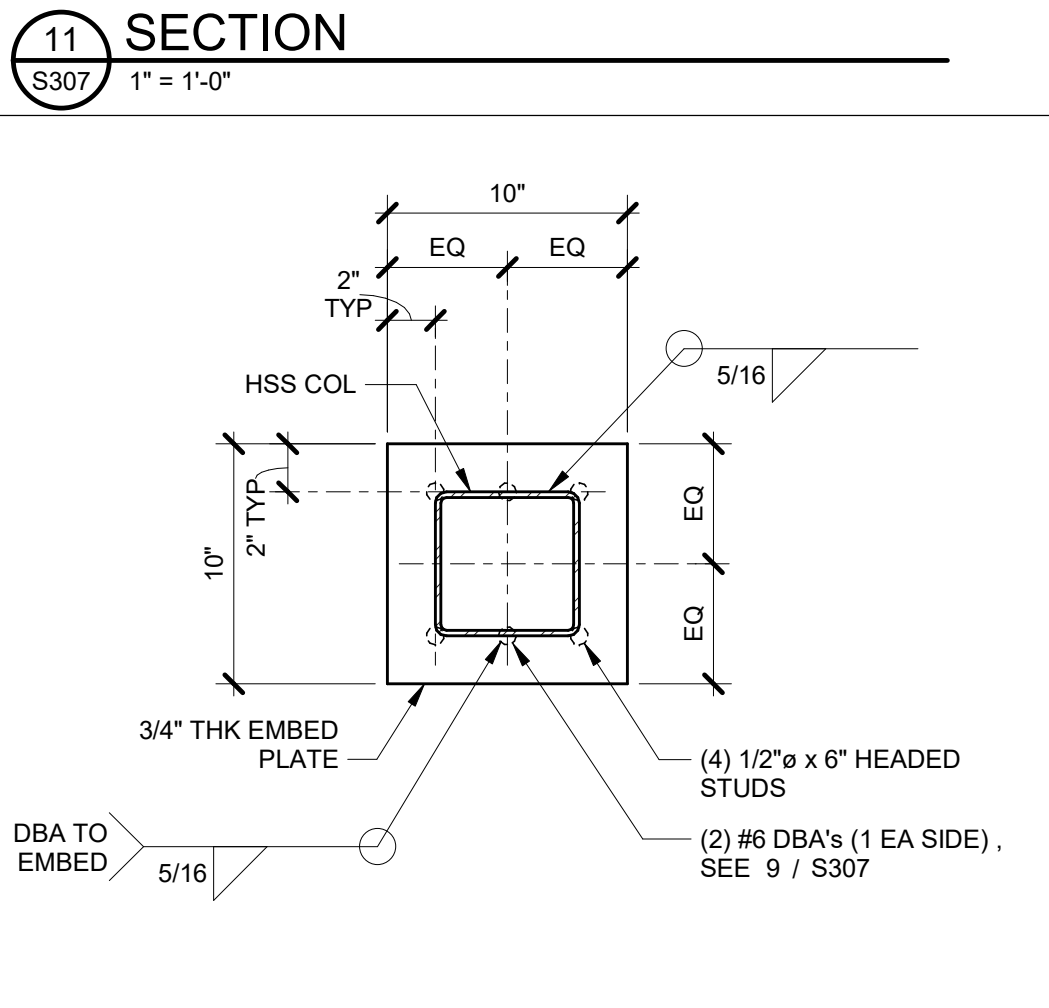
11 SECTION S307 1" = 1'-0"



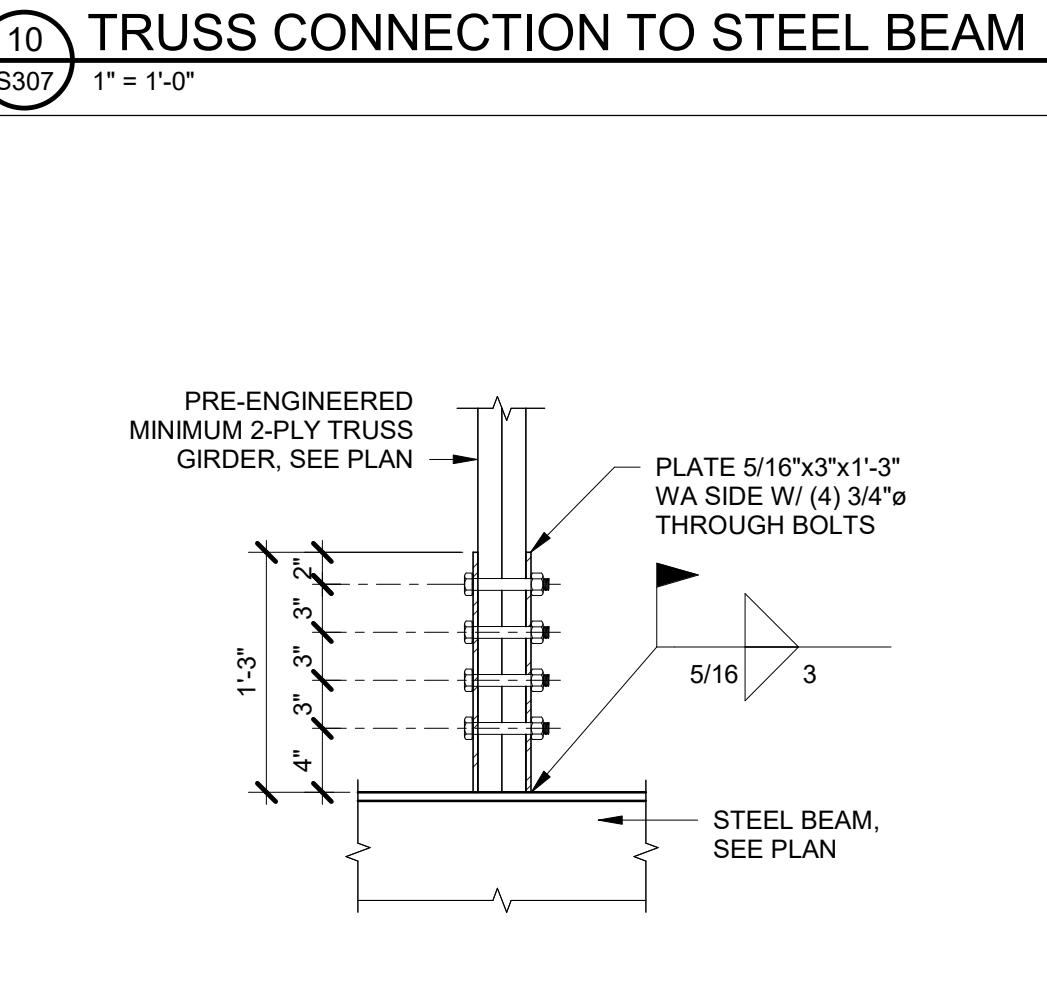
10 TRUSS CONNECTION TO STEEL BEAM S307 1" = 1'-0"



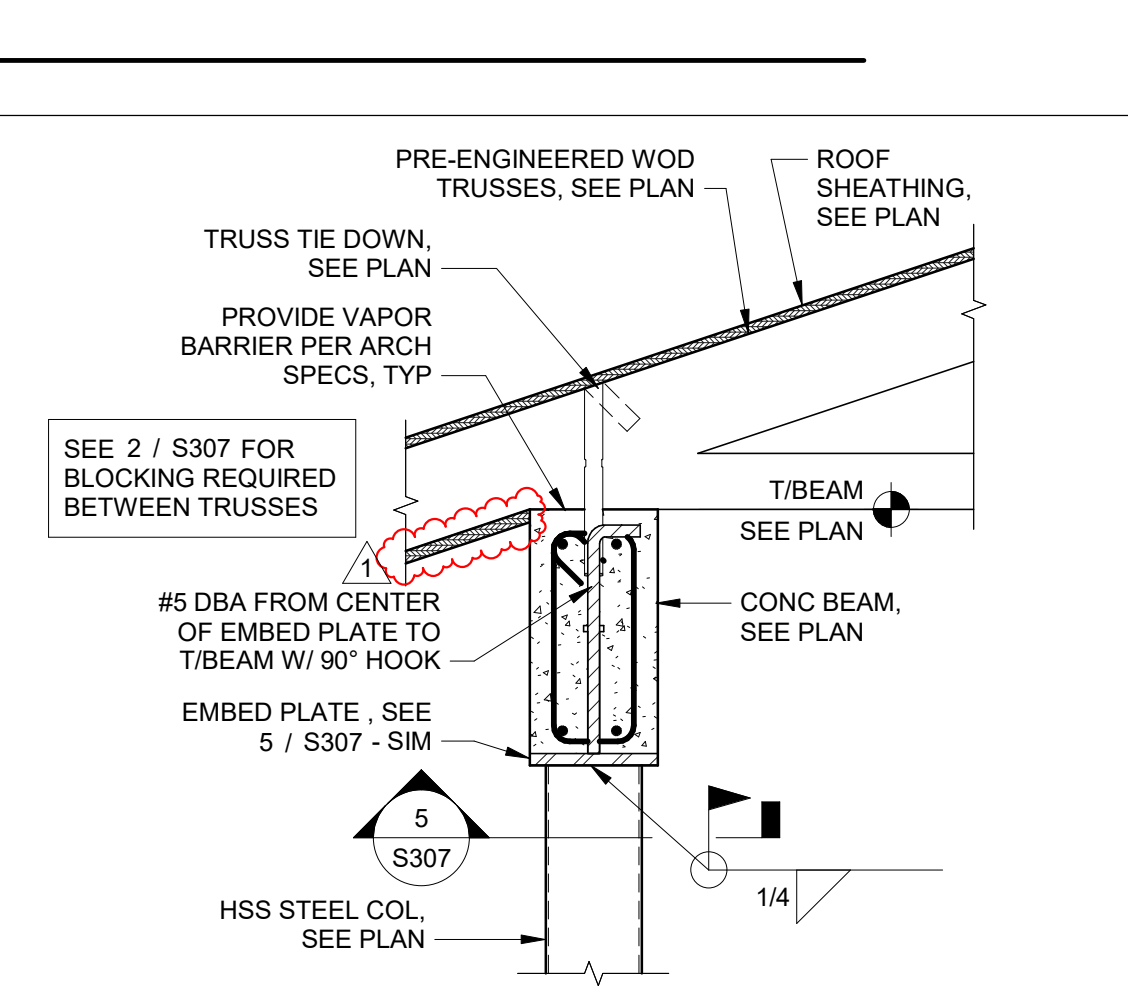
9 LOW ROOF PATIO COLUMN TO CONCRETE BEAM CONNECTION S307 3/4" = 1'-0"



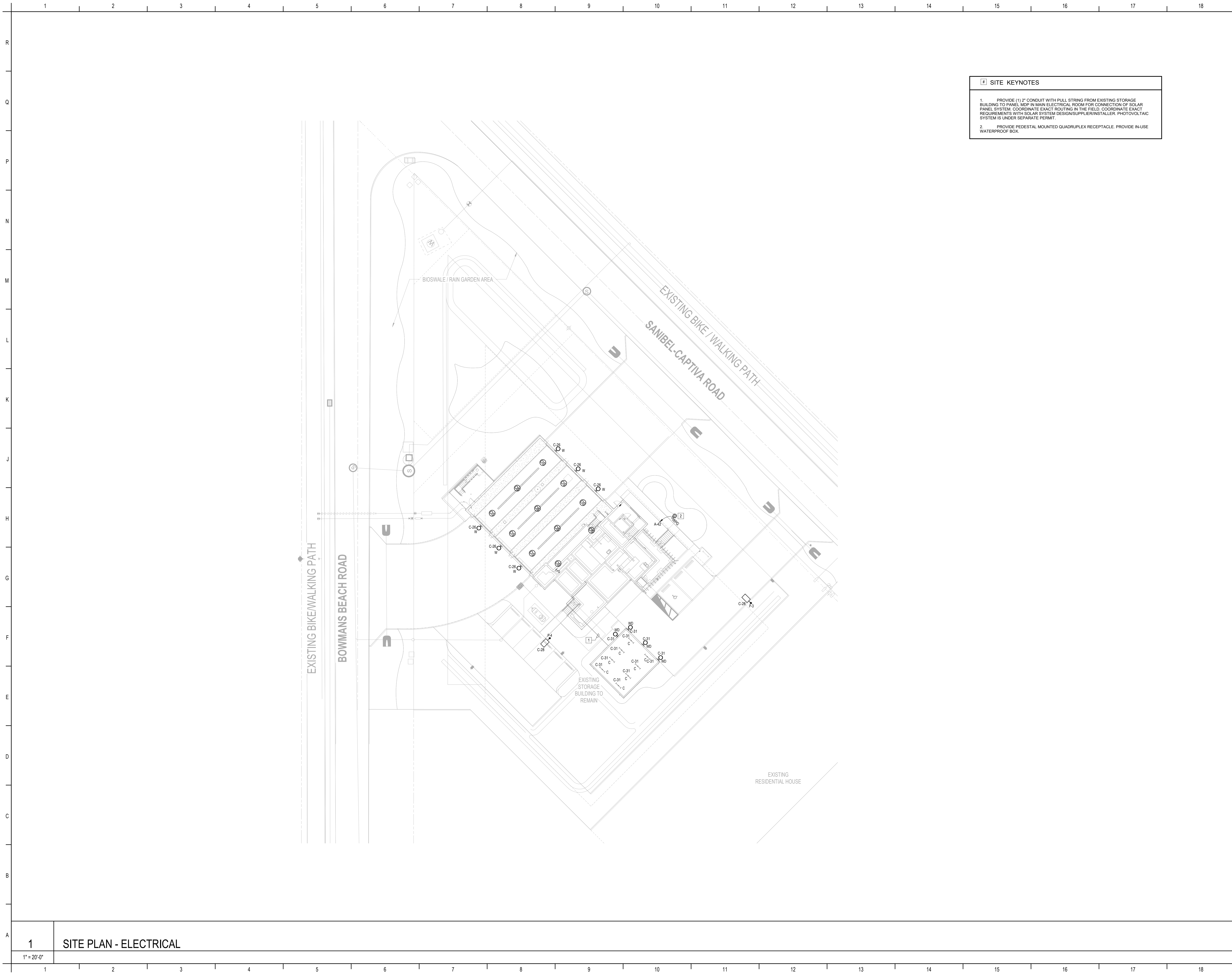
13 HSS LOW ROOF PATIO COLUMN EMBED PLATE S307 1 1/2" = 1'-0"



12 TRUSS GIRDER CONNECTION TO STEEL BEAM S307 1" = 1'-0"



14 MAIN ROOF COLUMN TO CONCRETE BEAM CONNECTION S307 1" = 1'-0"



- 1 SITE KEYNOTES**
1. PROVIDE (1) 2" CONDUIT WITH PULL STRING FROM EXISTING STORAGE BUILDING TO PANEL MDP IN MAIN ELECTRICAL ROOM FOR CONNECTION OF SOLAR PANEL SYSTEM. COORDINATE EXACT ROUTING IN THE FIELD. COORDINATE EXACT REQUIREMENTS WITH SOLAR SYSTEM DESIGNER/SUPPLIER/INSTALLER. PHOTOVOLTAIC SYSTEM IS UNDER SEPARATE PERMIT.
 2. PROVIDE PEDESTAL MOUNTED QUADRUPLEX RECEPTACLE. PROVIDE IN-USE WATERPROOF BOX.



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:
5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms Circle, Unit 1
Estero, FL 33928
voice (239) 208-4846
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| MARK | DESCRIPTION | DATE |
| | | |

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: GFS

SITE PLAN - ELECTRICAL

1 SITE PLAN - ELECTRICAL
1" = 20'-0"

01/05/2024 8:33:00 AM
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SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms
Circle, Unit 1
Estero, FL 33928
voice (239) 208-4846

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HYUNGSUNG LEE, P.E.
6015 ORLANDO AVE
MARIETTA, GA 30067
FL REG. NO. 100000000

REVISIONS

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

| Symbol | Qty | Label | Arrangement | Lum. Lumens | LLF | Luminaire Watts | Total Watts | Description |
|--------|-----|-------|-------------|-------------|-------|-----------------|-------------|------------------------|
| □ | 1 | P-3 | Single | 5428 | 1.000 | 40 | 40 | ECF-S-32L-365-VWV-G2-3 |
| □ | 1 | P-4 | Single | 5637 | 1.000 | 40 | 40 | ECF-S-32L-365-VWV-G2-4 |
| ● | 6 | W | Single | 2465 | 1.000 | 21.8 | 130.8 | VCDSWH20LDD2030KFM-P |
| ● | 8 | WD | Single | 1199 | 1.000 | 10 | 80 | VCDSWH12LDD30KFM-P |

| Label | CalcType | Units | Avg | Max | Min | Avg/Min |
|---------------------------------|-------------|-------|------|-----|-----|---------|
| 10' FAST PROPERTY LINE_At Grade | Illuminance | Fc | 0.01 | 0.2 | 0.0 | N.A. |
| DRIVE_At Grade | Illuminance | Fc | 1.21 | 5.3 | 0.0 | N.A. |
| PARKING_At Grade | Illuminance | Fc | 1.51 | 5.8 | 0.1 | 15.10 |
| PROPERTY LINE_At Grade | Illuminance | Fc | 0.03 | 0.5 | 0.0 | N.A. |

- NOTES:
- CALCULATIONS SHOWN ARE INITIAL HORIZONTAL FOOTCANDLES, TAKEN AT GRADE
- LUMINAIRES DEFINED AS SPECIFIED
- LUMINAIRES PLACED IN SPECIFIED LOCATIONS
- MOUNTING HEIGHT IS ALWAYS A.F.G. OR A.F.F. UNLESS NOTED
- MOUNTING DETAILS TO BE CONFIRMED BY OTHERS

GENERAL SITE PHOTOMETRICS NOTES :

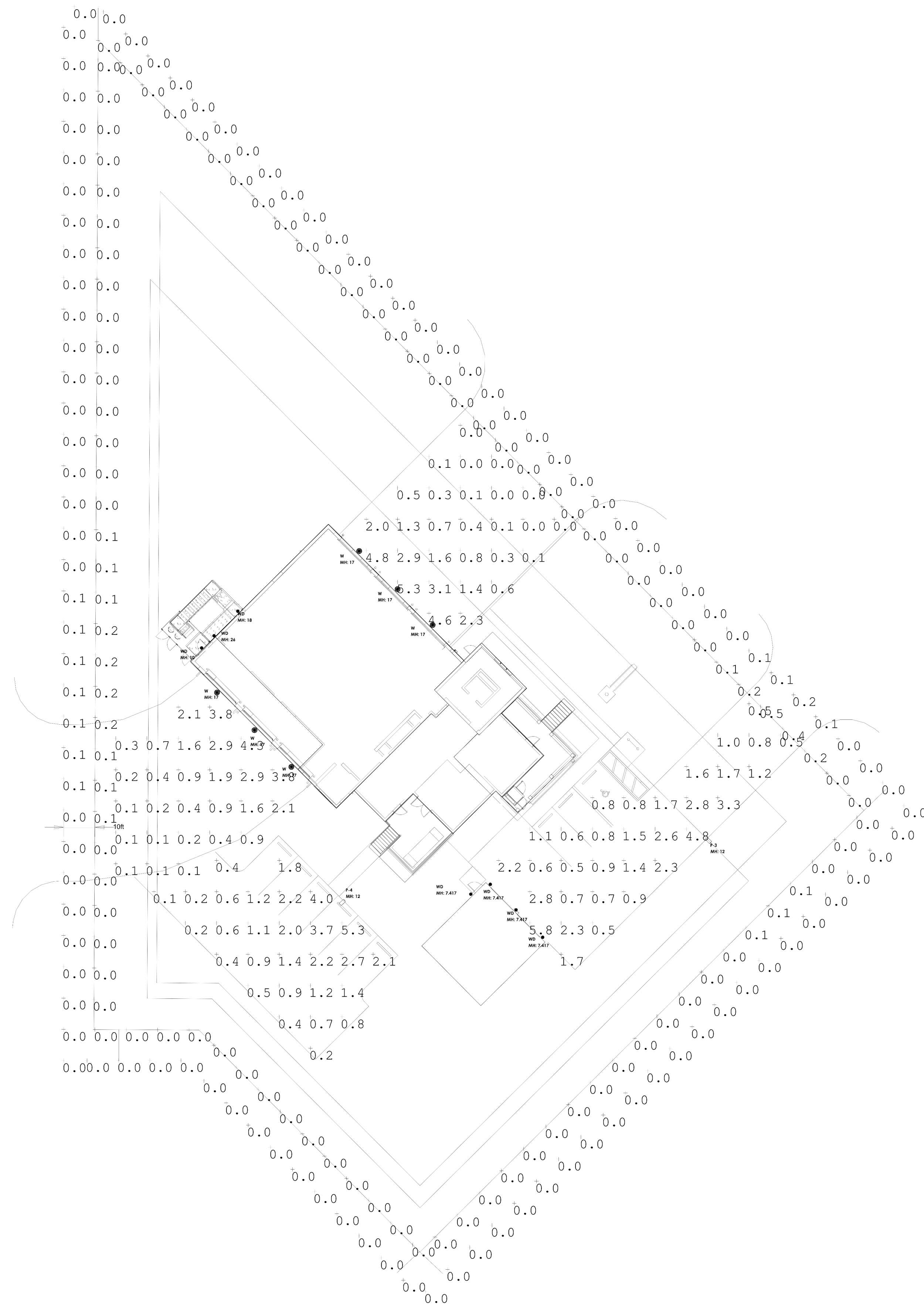
- ELECTRICAL CONTRACTOR IS REQUIRED TO PROVIDE SIGNED AND SEALED DRAWINGS STATING THAT THE POLES MEET THE REQUIRED WIND LOADING.
- LUMINAIRE MOUNTING HEIGHT SHALL BE AS INDICATED ON PLANS.
- CALCULATIONS ARE IN FOOT-CANDELES.
- CALCULATION POINTS ARE AS INDICATED ON CALCULATION SUMMARY UNDER CALCULATION PLANE HEIGHT.
- POSITION OF LUMINAIRES IS TO GIVE OPTIMAL LIGHT LEVEL IN AREAS ACCORDING TO IES RECOMMENDATIONS AND LIFE SAFETY STANDARDS.
- CONTRACTOR SHALL ENSURE SITE LIGHTING LOCATIONS DO NOT CONFLICT WITH ANY PROPOSED TREE LOCATIONS ON SITE. CONTRACTOR SHALL TRIM TREE BRANCHES THAT BLOCK SITE LIGHT FIXTURES AS NECESSARY TO ACHIEVE FULL LIGHT DISTRIBUTION.
- THIS PHOTOMETRIC IS ONLY FOR THE FIXTURES SPECIFIED AND INDICATED.
- ANY CHANGES WILL REQUIRE A NEW PHOTOMETRIC STUDY.

LUMINAIRE SCHEDULE

| TYPE | DESCRIPTION | LAMPS | | | VOLTAGE | MOUNTING | NOTES |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-------|---------|----------|-------|
| | | LUMENS | WATTS | TEMP | | | |
| P-3 | LED SITE HEAD, TYPE 3 DISTRIBUTION, 2000 LUMENS, 4000K, ARM MOUNT, MOUNT ON 12"Ø DIRECT EMBEDMENT ALUMINUM POLE GARCO CAT# ECF-S-32L-365-G2-AR-3-UNV-FINISH W/Ø1P2-ECF-S/A-1-90 | 5400 | 40W | 4000K | UNV | POLE | |
| P-4 | LED SITE HEAD, TYPE 4 DISTRIBUTION, 2000 LUMENS, 4000K, ARM MOUNT, MOUNT ON 12"Ø DIRECT EMBEDMENT ALUMINUM POLE GARCO CAT# ECF-S-32L-365-G2-AR-4-UNV-FINISH W/Ø1P2-ECF-S/A-1-90 | 5600 | 40W | 4000K | UNV | POLE | |
| WD | LED FULL CUTOFF WALL SCONCE, 1200 LUMENS, 4000K, WET LOCATION LISTED, FINISH BY ARCHITECT CONTECH CAT# VCDSWH20LDD30KLM-FINISH / LDD30K | 1200 | 10W | 4000K | UNV | WALL | |
| W | LED FULL CUTOFF WALL SCONCE, 2400 LUMENS, 4000K, WET LOCATION LISTED, FINISH BY ARCHITECT CONTECH CAT# VCDSWH20LDD30KLM2-FINISH / LDD203K | 2400 | 22W | 4000K | UNV | WALL | |

GENERAL LIGHTING FIXTURE NOTES:

- IF THERE IS A DISCREPANCY BETWEEN A FIXTURE DESCRIPTION AND GENERAL NOTES, AND THE CATALOG NUMBER LISTED, THE FIXTURE DESCRIPTION AND GENERAL NOTES SHALL OBTAIN.
- ALL FIXTURES SHALL BE PAINTED AFTER FABRICATION.
- MANUFACTURERS OTHER THAN THOSE LISTED SHALL SUBMIT AND RECEIVE PRIOR APPROVAL 10 DAYS PRIOR TO BID DATE.
- PROVIDE DOCUMENTATION OF IESNA PHOTOMETRIC LM-79 TESTING PROCEDURES, LED LIFETIME LM-80 TESTING PROCEDURES, AND WARRANTY WITH SUBMITTAL.
- ALL LED LUMINAIRES SHALL COMPLY WITH LM79 AND LM80 STANDARDS.



1 SITE PLAN - PHOTOMETRICS

1" = 20'-0"

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: GFS

**SITE PLAN -
PHOTOMETRICS**

E011

100% CONSTRUCTION DOCUMENTS



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

**SANIBEL FIRE AND RESCUE
STATION 172**

PROJECT LOCATION:

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms
Circle, Unit 1
Estero, FL 33928
voice (239) 208-4846

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KYRANOS G. LANTZOS, P.E.
0010-000000000000
REGISTERED PROFESSIONAL ENGINEER
FL REG. NO. 100000000

REVISIONS

| MARK | DESCRIPTION | DATE |
|------|------------------------|----------|
| 1 | Panel Comment Response | 05.13.24 |

COMM. NO.: 2023820
ISSUE DATE: 01.05.2024
DRAWN BY: GFS

**SITE PLAN - BUILDING
ATTACHED LIGHTING**

E013

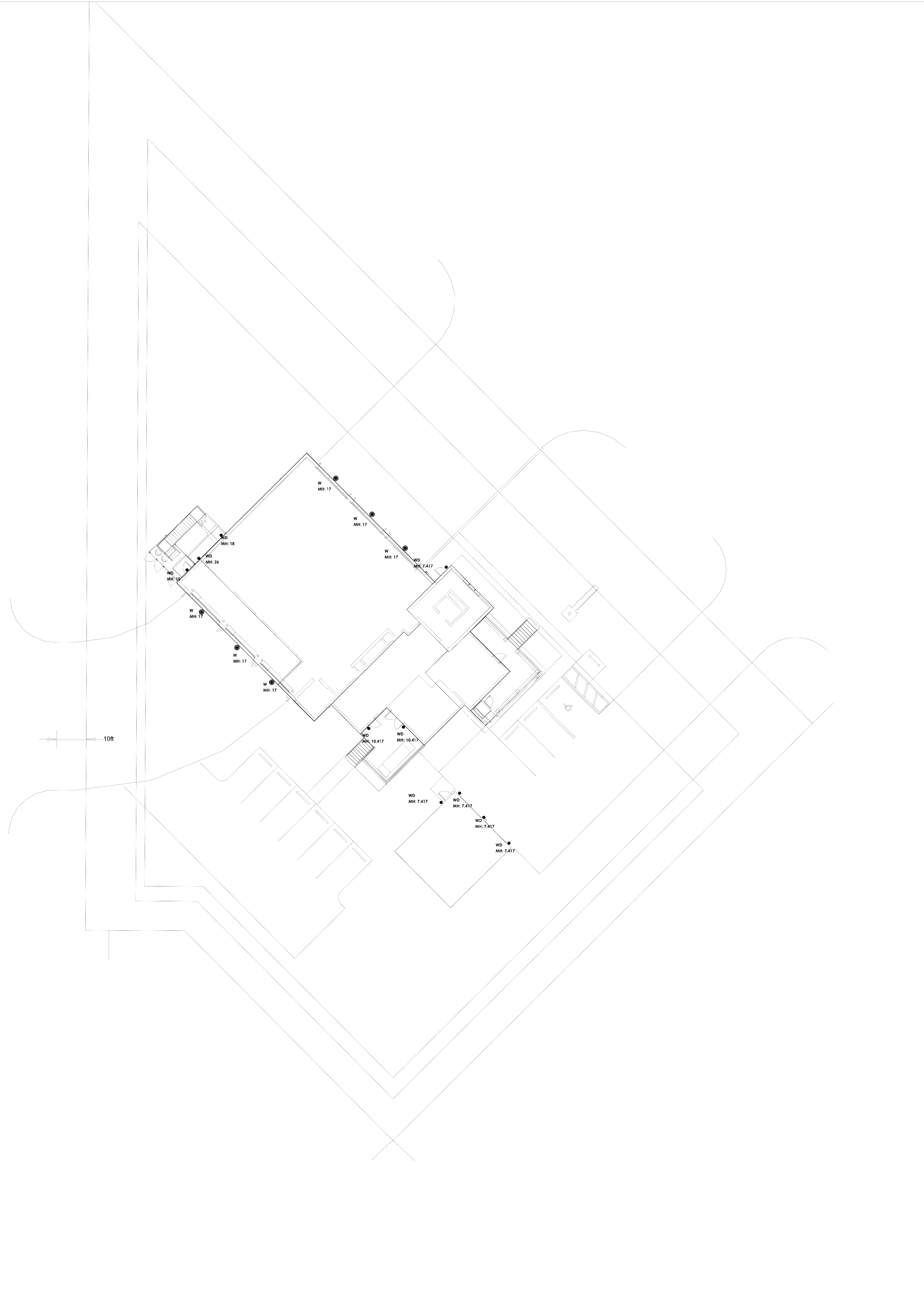
100% CONSTRUCTION DOCUMENTS

| Symbol | Qty | Label | Arrangement | Lum. Lumens | LLF | Luminaire Watts | Total Watts | Description |
|--------|-----|-------|-------------|-------------|-------|-----------------|-------------|----------------------|
| ● | 6 | W | Single | 2465 | 1.000 | 21.8 | 130.8 | VCDSWH20LDD2030KFM-P |
| ● | 8 | WD | Single | 1199 | 1.000 | 10 | 80 | VCDSWH12LDD830KFM-P |

| LUMINAIRE SCHEDULE | | | | | | | | | |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-------|---------|----------|----------------------|--|--|
| TYPE | DESCRIPTION | LAMPS | | | VOLTAGE | MOUNTING | NOTES | | |
| | | LUMENS | WATTS | TEMP | | | | | |
| WD | LED FULL CUTOFF WALL SCONCE, 1200 LUMENS, 4000K, WET LOCATION LISTED, FINISH BY ARCHITECT CONTECH CAT#VCDSWH12LDD830KLN1-FINISH / LDD830K | 1200 | 10W | 4000K | UNV | WALL | BUG RATING: B1-U0-G0 | | |
| W | LED FULL CUTOFF WALL SCONCE, 2400 LUMENS, 4000K, WET LOCATION LISTED, FINISH BY ARCHITECT CONTECH CAT# VCDSWH20LDD2030KLN2-FINISH / LDD2030K | 2400 | 22W | 4000K | UNV | WALL | BUG RATING: B1-U0-G0 | | |

GENERAL LIGHTING FIXTURE NOTES:

- IF THERE IS A DISCREPANCY BETWEEN A FIXTURE DESCRIPTION AND GENERAL NOTES, AND THE CATALOG NUMBER LISTED, THE FIXTURE DESCRIPTION AND GENERAL NOTES SHALL DICTATE.
- ALL FIXTURES SHALL BE PAINTED AFTER FABRICATION.
- MANUFACTURERS OTHER THAN THOSE LISTED SHALL SUBMIT AND RECEIVE PRIOR APPROVAL 10 DAYS PRIOR TO BID DATE.
- PROVIDE DOCUMENTATION OF IESNA PHOTOMETRIC LM-79 TESTING PROCEDURES, LED LIFETIME LM-80 TESTING PROCEDURES, AND WARRANTY WITH SUBMITTAL.
- ALL LED LUMINAIRES SHALL COMPLY WITH LM79 AND LM80 STANDARDS.



1 SITE PLAN - BUILDING ATTACHED LIGHTING

1" = 20'-0"

Job Name: SANIBEL FIRE AND RESCUE STATION
Manufacturer: CONTECH
Model Number: VCDSWH12LDD830KLG1-FINISH / LDD830K
Type: WD



DATE PROJECT TYPE CATALOG NO.

VC SERIES | LED Vintage RLM: Warehouse Shade



- Classic style RLM luminaires inspired by vintage fixtures and redesigned with the latest technology and materials
- Multiple Mounting Options for a wide range of applications
- Durable weather resistant Polyester Powder Coat Finishes, Electrostatically applied and Thermo-Cured

LED

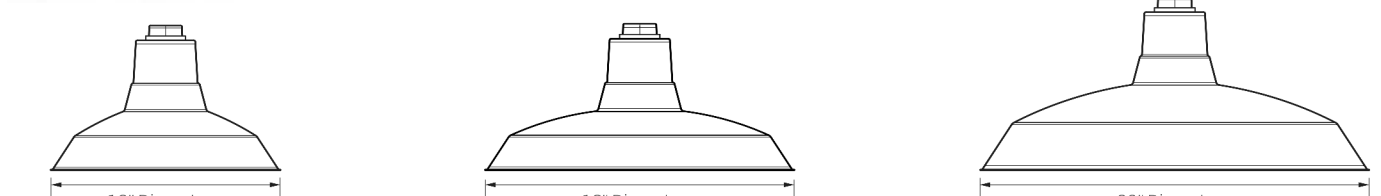


Table with columns for luminaire size (12, 16, 20 inch) and rows for WATTAGE, LUMEN OUTPUT, COLOR TEMPERATURE, CRI, COLOR CONSISTENCY, INPUT POWER, DIMMING TYPE, AMBIENT OPERATING TEMP, LISTINGS, WARRANTY, and SYSTEM RATING.

CONTECH LIGHTING | 725 LANDWEHR ROAD | NORTHBROOK, ILLINOIS 60062 | PHONE: 847.559.5500 | www.contechlighting.com

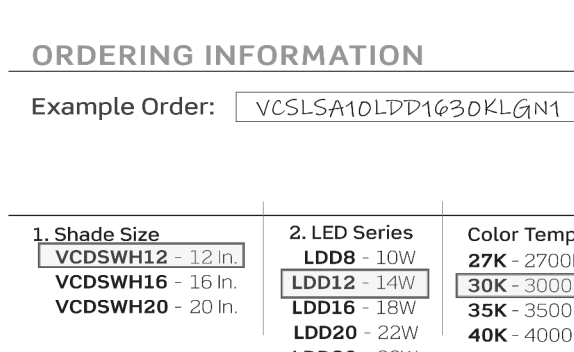
Prepared By: SECO - Ft Myers | www.secolighting.com Megan Sweesy | msweesy@secolighting.com
December 15, 2023 182 Index

Job Name: SANIBEL FIRE AND RESCUE STATION
Manufacturer: CONTECH
Model Number: VCDSWH12LDD830KLG1-FINISH / LDD830K
Type: WD



DATE PROJECT TYPE CATALOG NO.

VC SERIES | LED Vintage RLM: Warehouse Shade



- Classic style RLM luminaires inspired by vintage fixtures and redesigned with the latest technology and materials
- Multiple Mounting Options for a wide range of applications
- Durable weather resistant Polyester Powder Coat Finishes, Electrostatically applied and Thermo-Cured

LED

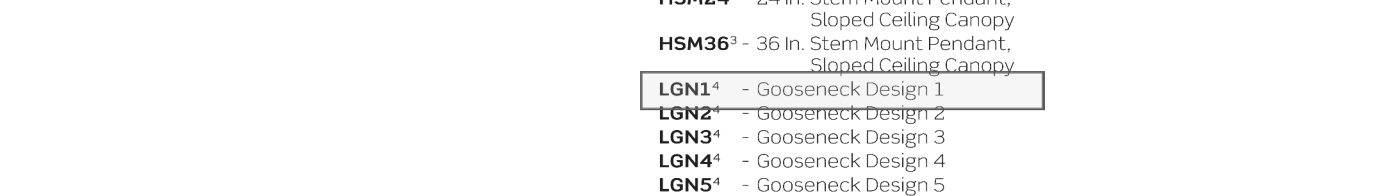


Table with columns for luminaire size (12, 16, 20 inch) and rows for WATTAGE, LUMEN OUTPUT, COLOR TEMPERATURE, CRI, COLOR CONSISTENCY, INPUT POWER, DIMMING TYPE, AMBIENT OPERATING TEMP, LISTINGS, WARRANTY, and SYSTEM RATING.

CONTECH LIGHTING | 725 LANDWEHR ROAD | NORTHBROOK, ILLINOIS 60062 | PHONE: 847.559.5500 | www.contechlighting.com

Prepared By: SECO - Ft Myers | www.secolighting.com Megan Sweesy | msweesy@secolighting.com
December 15, 2023 183 Index

Job Name: SANIBEL FIRE AND RESCUE STATION
Manufacturer: CONTECH
Model Number: VCDSWH20LDD2030KLG2-FINISH / LDD2030K
Type: W



DATE PROJECT TYPE CATALOG NO.

VC SERIES | LED Vintage RLM: Warehouse Shade



- Classic style RLM luminaires inspired by vintage fixtures and redesigned with the latest technology and materials
- Multiple Mounting Options for a wide range of applications
- Durable weather resistant Polyester Powder Coat Finishes, Electrostatically applied and Thermo-Cured

LED

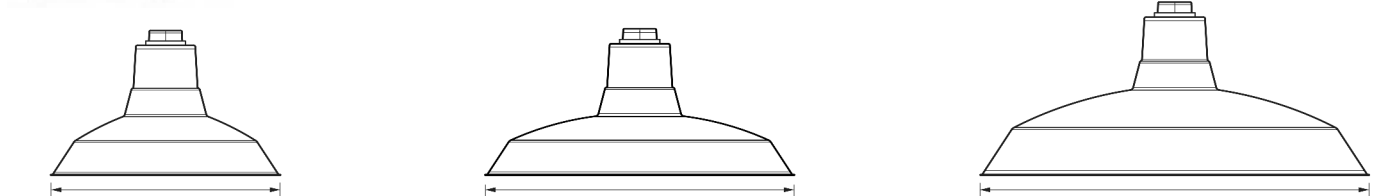


Table with columns for luminaire size (12, 16, 20 inch) and rows for WATTAGE, LUMEN OUTPUT, COLOR TEMPERATURE, CRI, COLOR CONSISTENCY, INPUT POWER, DIMMING TYPE, AMBIENT OPERATING TEMP, LISTINGS, WARRANTY, and SYSTEM RATING.

CONTECH LIGHTING | 725 LANDWEHR ROAD | NORTHBROOK, ILLINOIS 60062 | PHONE: 847.559.5500 | www.contechlighting.com

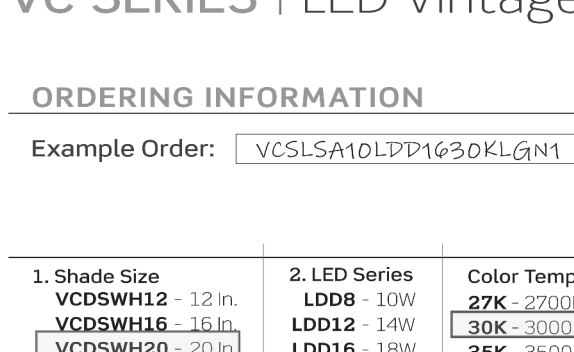
Prepared By: SECO - Ft Myers | www.secolighting.com Megan Sweesy | msweesy@secolighting.com
December 15, 2023 190 Index

Job Name: SANIBEL FIRE AND RESCUE STATION
Manufacturer: CONTECH
Model Number: VCDSWH20LDD2030KLG2-FINISH / LDD2030K
Type: W



DATE PROJECT TYPE CATALOG NO.

VC SERIES | LED Vintage RLM: Warehouse Shade



- Classic style RLM luminaires inspired by vintage fixtures and redesigned with the latest technology and materials
- Multiple Mounting Options for a wide range of applications
- Durable weather resistant Polyester Powder Coat Finishes, Electrostatically applied and Thermo-Cured

LED

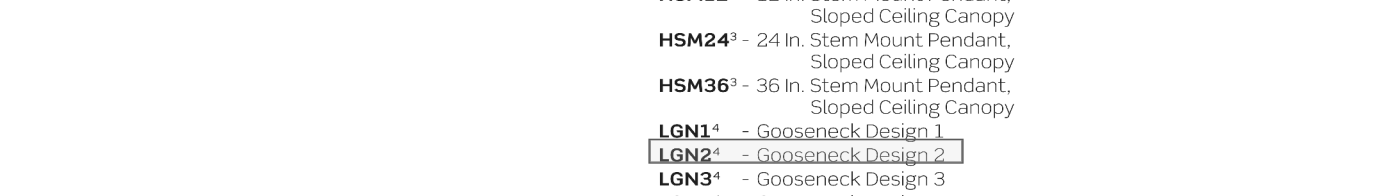


Table with columns for luminaire size (12, 16, 20 inch) and rows for WATTAGE, LUMEN OUTPUT, COLOR TEMPERATURE, CRI, COLOR CONSISTENCY, INPUT POWER, DIMMING TYPE, AMBIENT OPERATING TEMP, LISTINGS, WARRANTY, and SYSTEM RATING.

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Prepared By: SECO - Ft Myers | www.secolighting.com Megan Sweesy | msweesy@secolighting.com
December 15, 2023 191 Index



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:

5171 SANIBEL-CAPTIVA ROAD
SANIBEL, FLORIDA 33957



9510 Corkscrew Palms Circle, Unit 1
Estero, FL 33928
voice (239) 208-4846

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HYRANIS G. LANTZOS, P.E.
6015 ORLANDO AVE
MARIETTA, GA 30067
FL REG. NO. 100662

REVISIONS table with columns: MARK, DESCRIPTION, DATE

COMM. NO.: 2023820

ISSUE DATE: 01.05.2024

DRAWN BY: GFS

FIXTURES - BUILDING ATTACHED LIGHTING

E014

100% CONSTRUCTION DOCUMENTS



SANIBEL FIRE & RESCUE DISTRICT
2351 PALM RIDGE ROAD, SANIBEL, FLORIDA 33957

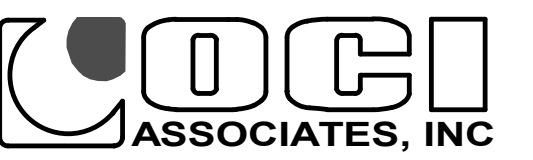
SANIBEL FIRE AND RESCUE STATION 172

PROJECT LOCATION:

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www.cogiconsultants.com

| Branch Panel: MDP | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|-------|---------------------|-------|-------|----|-----|----|---|-----------|----------------------|-------|-------|---|---|---|-------|-------|---------------------|-------|-----|----|--|
| LOCATION: ELECTRICAL 110 | | | | | | | | | | VOLTS: 120/208 Vwye | | | | | | | | | | | | |
| SUPPLY FROM: | | | | | | | | | | PHASES: 3 | | | | | | | | | | | | |
| MOUNTING: SURFACE | | | | | | | | | | WIRES: 4 | | | | | | | | | | | | |
| ENCLOSURE: NEMA 1 | | | | | | | | | | A.I.C. RATING: 400 A | | | | | | | | | | | | |
| | | | | | | | | | | MAINS TYPE: MCB | | | | | | | | | | | | |
| | | | | | | | | | | MAINS RATING: 800 A | | | | | | | | | | | | |
| CKT | NOTES | CIRCUIT DESCRIPTION | TRIP | POLES | Ø | N | G | C | A | B | C | C | Ø | N | G | POLES | TRIP | CIRCUIT DESCRIPTION | NOTES | CKT | | |
| 1 | | PANEL A | 225 A | 3 | 1 | 1 | 1 | 1 | 21.07 | 26.06 | | | | | | 3 | 400 A | PANEL M | | 2 | | |
| 3 | | | | | | | | | 22.59 | 26.13 | | | | | | | | | | | 4 | |
| 5 | | | | | | | | | | | 24.19 | 23.39 | | | | | | | | | 6 | |
| 7 | | PANEL B | 225 A | 3 | 1 | 1 | 1 | 1 | 13 | 8.33 | | | | | | 3 | 100 A | PANEL C | | | 8 | |
| 9 | | | | | | | | | 15.1 | 9.02 | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | 10.75 | 9.25 | | | | | | | | | 12 | |
| 13 | | | | | | | | | | | | | | | | | | | | | 14 | |
| 15 | | | | | | | | | | | | | | | | | | | | | 16 | |
| 17 | | | | | | | | | | | | | | | | | | | | | 18 | |
| 19 | | | | | | | | | | | | | | | | | | | | | 20 | |
| 21 | | | | | | | | | | | | | | | | | | | | | 22 | |
| 23 | | | | | | | | | | | | | | | | | | | | | 24 | |
| 25 | | PV SYSTEM | 60 A | 3 | Ø5 | Ø10 | 1" | 0 | 0 | | | | | | | 3 | 30 A | SPD | | | 26 | |
| 27 | | | | | | | | | 0 | 0 | | | | | | | | | | | 28 | |
| 29 | | | | | | | | | 0 | 0 | | | | | | | | | | | 30 | |
| Total Load: | | | | | | | | | 69.04 kVA | 72.84 kVA | | | | | | | | | | | | |
| Total Amps: | | | | | | | | | 577 A | 609 A | | | | | | | | | | | | |

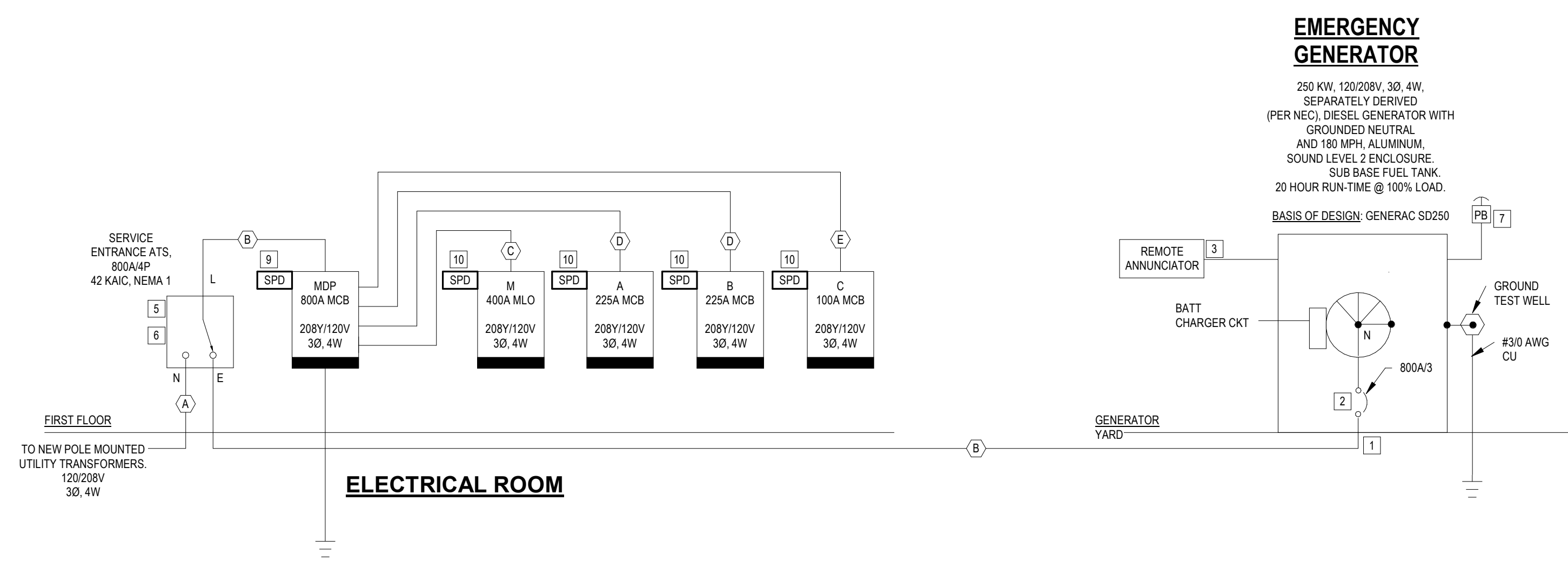
| Load Classification | Connected Load | Demand Factor | Estimated Demand | Panel Totals |
|--------------------------|----------------|---------------|------------------|--------------------------------------|
| Equipment | 126.75 kVA | 100.00% | 126.75 kVA | |
| Lighting - Dwelling Unit | 0.21 kVA | 100.00% | 0.21 kVA | Total Conn. Load: 209.45 kVA |
| Motor | 21.58 kVA | 117.00% | 25.69 kVA | Total Est. Demand: 155.66 kVA |
| Other | 1.46 kVA | 100.00% | 1.46 kVA | Total Conn.: 581 A |
| Receptacle | 49.26 kVA | 60.10% | 29.63 kVA | Total Est. Demand: 543 A |
| Lighting | 8.43 kVA | 125.00% | 10.54 kVA | |
| LTG | 1.57 kVA | 100.00% | 1.57 kVA | |

NOTE LEGEND:
 * REFER TO POWER RISER FOR FEEDER WIRE AND CONDUIT SIZES
 G = GFCI TYPE BREAKER
 A = AFCI TYPE BREAKER
 ST = SHUNT TRIP BREAKER
 RL = RED, LOCKABLE BREAKER
 C = EXISTING BREAKER
 LSI = LSI ADJUSTABLE TRIP BREAKER

- ALL SINGLE POLE 15 & 20 AMP CIRCUITS SHALL BE PROVIDED WITH (2) #12 AWG CU, #12 CU GND IN 3/4" C. UNLESS NOTED OTHERWISE.
 * PROVIDE GROUND BUS & NEUTRAL BUS.
 * PROVIDE TYPE WRITTEN DIRECTORY.
 * PANEL SHALL BE FULLY RATED
 * REFER TO POWER RISER FOR CONDUIT AND WIRE SIZES

ELECTRICAL CONDUCTOR SCHEDULE

| TYPE | CAPACITY | CONDUCTORS | MATERIAL | CONDUIT |
|------|----------|-----------------------------------|----------|---------|
| (A) | 800 AMP | 3 SETS OF (4) #300kcmil | CU | 3" |
| (B) | 800 AMP | 3 SETS OF (4) #300kcmil, #2/0 GND | CU | 3" |
| (C) | 400 AMP | 3 SETS OF (4) #30L, #3 GND | CU | 2" |
| (D) | 225 AMP | (4) #4/0, #4 GND | CU | 2-1/2" |
| (E) | 100 AMP | (4) #3, #8 GND | CU | 1-1/2" |



- KEYNOTES:**
- PROVIDE 1-1/4" CONDUIT FROM GENERATOR TO ATS FOR CONTROL WIRING.
 - GENERATOR SHALL INCLUDE ELECTRONIC, 100% RATED, LSI ADJUSTABLE, CIRCUIT BREAKER MOUNTED INSIDE THE GENERATOR ENCLOSURE.
 - PROVIDE 1" AND CONTROL WIRING FOR GENERATOR REMOTE ANNUNCIATOR. FINAL LOCATION OF ANNUNCIATOR SHALL BE COORDINATED WITH OWNER.
 - PROVIDE WEATHER-PROOF GLASS-BREAK PUSH BUTTON ON EXTERIOR WALL OF ELECTRICAL ROOM TO SHUNT TRIP MAIN CIRCUIT BREAKER OF MDP. MOUNT AT 60" AFS.
 - SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH. TRANSFER SWITCH TRANSFER LOADS TO THE GENERATOR WITHIN 10 SECONDS.
 - PROVIDE TRANSFER SWITCH WITH SHORT TIME RATING.
 - PROVIDE WEATHER-PROOF BREAK-GLASS PUSH BUTTON FOR REMOTE SHUT OFF OF GENERATOR. COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH IN.
 - PROVIDE WEATHERPROOF REMOTE PUSH BUTTON FOR REMOTE SHUT OFF OF GENERATOR. REFER TO FLOOR PLANS FOR PROPOSED LOCATION.
 - PROVIDE SURGE PROTECTIVE DEVICE. SHALL BE POWER LOGICS PQS200 OR APPROVED EQUAL.
 - PROVIDE SURGE PROTECTIVE DEVICE. SHALL BE POWER LOGICS PQM100 OR APPROVED EQUAL.

- GENERAL NOTES:**
- BASIS OF DESIGN FOR POWER DISTRIBUTION EQUIPMENT IS SQUARE-D. IF CONTRACTOR SUBMITS APPROVED ALTERNATES, CONTRACTOR SHALL VERIFY EQUIPMENT DIMENSIONS MEET NEC WORKING SPACE AND DEDICATED SPACES CLEARANCES PER NEC.
 - PROVIDE FIELD MARKING OF THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SERVICE EQUIPMENT PER NEC 110.24. FIELD MARKING SHALL BE LEGIBLE AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED.
 - PERFORM SHORT-CIRCUIT AND COORDINATION STUDY. SET THE FIELD ADJUSTABLE CIRCUIT BREAKERS TRIP RANGES. ELECTRICAL CONTRACTOR SHALL HIRE THE MANUFACTURER OF THE POWER DISTRIBUTION SYSTEM TO SET TIME CURRENT CURVES ON THE MAIN CIRCUIT BREAKER AND ASSOCIATED BRANCH CIRCUIT BREAKER FOR THE SWITCHBOARDS & PANELBOARDS SO THAT THEY ARE SELECTIVELY COORDINATED WITH EACH OTHER. THE INTERRUPTING RATING OF ALL ELECTRICAL EQUIPMENTS SHALL BE BASED ON THE DATA RESULTS FROM THE SHORT CIRCUIT & COORDINATION STUDY.
 - COORDINATE LOCATION OF ANY REQUIRED METERING EQUIPMENT WITH LOCAL POWER UTILITY.
 - GENERATOR IS UNDER SEPARATE PERMIT.
 - PHOTOVOLTAIC SYSTEM IS UNDER SEPARATE PERMIT.

1 RISER DIAGRAM - ELECTRICAL

N/A

COMM. NO.: 2023820
 ISSUE DATE: 01.05.2024
 DRAWN BY: GFS

RISER- ELECTRICAL