

**ADDENDUM NUMBER 02**

To the drawings and specifications for:

**Project No. 22009 / 23007**  
**Sandusky County EMS**  
**Life Squad Station 14 / SCEMS Administrative Offices & Life Squad Station 18**

This Addendum supplements and amends the original Drawings and Specifications dated **October 24, 2024**, and shall be taken into account in preparing bids and becomes a part of the contract documents. Note: this addendum information is issued to bidders of record. It is the prime contractor's responsibility to forward this Addendum information to all affected suppliers and sub/contractors and make adjustments relative to the proposal. Bidders should acknowledge receipt of Addendum on Page BF-1 of the Bid Form, or the last page of this Addendum.

**DRAWINGS AND SPECIFICATIONS**

**SPECIFICATIONS**

**1. Bid Form (REISSUED)**

a. Unit Prices

- i. Added Unit Price No. 4: Removal, disposal and backfill and compact with premium backfill for existing pipes 4" thru 10" less than 5' deep.
- ii. Added Unit Price No. 5: Removal, disposal and backfill and compact with premium backfill for existing pipes 4" thru 10" greater than 5' deep
- iii. Added Unit Price No. 6: Removal, disposal and backfill and compact with premium backfill for existing pipes 12" thru 18" less than 5' deep.
- iv. Added Unit Price No. 7: Removal, disposal and backfill and compact with premium backfill for existing pipes 12" thru 18" greater than 5' deep
- v. Added Unit Price No. 8: Removal, disposal and backfill and compact with premium backfill for existing pipes 21" thru 36" less than 5' deep.
- vi. Added Unit Price No. 9: Removal, disposal and backfill and compact with premium backfill for existing pipes 12" thru 18" greater than 5' deep

**2. Section 08 3613 SECTIONAL DOORS**

- a. 2.2.A: Changed Sectional Door material from Aluminum to Steel
- b. 2.2.D: U-value changed from 0.052 to .130 Btu/ sq. ft. x h x deg F
- c. 2.2.F.5: ELIMINATED

**LIFE SQUAD STATION 14 DRAWINGS**

**1. A2.1 (REISSUED)**

a. Plan 1/A2.1:

- i. Added masonry dimensions to south wall south wall for brick veneer.

**2. A4.0 (REISSUED)**

a. Plan 1/A4.0"

- i. Added masonry dimension on east garage parapet wall for extents of face brick.

3. **A5.1**
  - a. **Elevation 2/A5.1**
    - i. Added keynote material tag "B2" for upper portion of brick veneer wall
4. **A9.0 (REISSUED)**
  - a. **Door Schedule: Doors 116A / 116B**
    - i. Door material changed to Insulated Steel.
    - ii. Door Frame material changed to Galvanized Steel.
  - b. **Door & Frame Elevations: Revised elevation 4 for OHD.**
5. **A10.1 (REISSUED)**
  - a. **Elevations 10 & 13 added.**

### **LIFE SQUAD STATION 18 DRAWINGS**

1. **A1.0 (REISSUED)**
  - a. 1/A1.0: added storm detention basin and note to site plan, revised area of work boundary to match civil drawings.
  - b. 2/A1.0: revised mechanical yard fencing / bollard layout, refer to detail 1/A1.1
2. **A1.1 (REISSUED)**
  - a. **Plan 1/A1.1:** Layout of the mechanical yard has been revised.
3. **C1.0 (REISSUED)**
  - a. Storm Pipe Removal Note added to clarify the intent and extents of pipe removal on site. The note also directs the bidder to provide unit pricing for pipe removal.
  - b. An additional note has also been added to direct the bidder to
  - c. Clearing and grubbing has been added to the Site Plan Demolition Legend
4. **C1.1 (REISSUED)**
  - a. Storm Pipe Removal Note added to clarify the intent and extents of pipe removal on site. The note also directs the bidder to provide unit pricing for pipe removal.
  - b. Clearing and grubbing has been added to the Site Plan Demolition Legend
  - c. The limits of the pavement removal have been revised to reflect the redesigned detention basin
  - d. Clearing and grubbing of the east property line has been added to facilitate investigation and removal of storm piping and installation of the new storm outfall on the east property line.
5. **C1.2 (REISSUED)**
  - a. Clearing and grubbing of the east property line has been added to facilitate investigation and removal of storm piping and installation of the new storm outfall on the east property line.
6. **C2.0 (REISSUED)**
  - a. The limits of the pavement removal and detention basin have been updated on the site plan.
7. **C2.1 (REISSUED)**
  - a. Key Note 17 has been revised to read "Architectural" Site Plan
  - b. Key Note 20 and callouts to the grading plans have been added to bring attention to the two accessible ramps locations.
8. **C2.2 (REISSUED)**
  - a. Key Note 17 has been revised to read "Architectural" Site Plan
  - b. The limits of the pavement removal and detention basin have been updated on the site plan.

**9. C3.0 (REISSUED)**

- a. The limits of the pavement removal and detention basin have been updated on the site plan.

**10. C3.1 (REISSUED)**

- a. Grading on the west side of the proposed building has been revised to include an accessible ramp.

**11. C3.2 (REISSUED)**

- a. The grading plan has been revised to show the new detention basin layout.
- a. The match line at the bottom of the sheet has been adjusted to correspond to sheet C3.3

**12. C3.3 (REISSUED)**

- a. The rim elevation has been adjusted for structure 27 along the east property line
- b. The match line at the bottom of the sheet has been adjusted to correspond to sheet C3.2

**13. C4.2 (REISSUED)**

- a. The revised layout of the detention basin has been updated on the utility plan.
- b. The storm sewer outfall location to the detention basin has been revised.
- c. The addition of the interceptor storm sewer has been shown on the south side of the revised detention basin.
- d. Revise callout notes giving direction to the contractor on the intent of the storm sewer interceptor.
- e. The location of north-south storm sewer outfall from the detention basin has been shifted west.

**14. C4.3 (REISSUED)**

- a. The structure table has been revised to include added structures and revised rim and invert elevations resulting from the revised detention basin configuration.
- b. The match line at the bottom of the sheet has been adjusted to correspond to sheet C3.2

**15. C5.0 (REISSUED)**

- a. The revised layout of the detention basin has been updated on the utility plan.
- b. The disturbed area has been updated.

**16. C5.2 (REISSUED)**

- a. The disturbed area has been updated.

**17. C5.5 (REISSUED)**

- a. Numerous revisions to the outlet control structures have been made as a result of the revised detention basin layout.

**18. C6.0 (REISSUED)**

- a. The specification for PVC pipe has been revised.

**19. A2.0 (REISSUED)**

- a. **Floorplan 1/A2.0:** 140 System-Wide Storage room 140
  - i. added post and beam shelving layout and key tag for note 17
  - ii. Added key tag for note 15

- b. **Added Keynote Legend to sheet**

**20. A2.3 (REISSUED)**

- a. **Plan 1/A2.3**
  - i. In Mezzanine Storage room 200, added post and beam shelving layout and key tag for note 17

**21. A4.3 (REISSUED)**

- a. **Detail 1/A4.3:** Added a callout for roof detail 4/A4.3
- b. Added roof detail 4/A4.3.

**22. A9.0 (REISSUED)**

- a. **Door Schedule:** Doors 136C-136G and 136I-136L
  - i. Door material has been changed to Insulated Steel.
  - ii. Door Frame material has been updated to Galvanized Steel.
- b. **Abbreviations Legend**
  - i. revised to show abbreviations specific to door and windows.
- c. Door Elevations
  - i. Note has been changed to door elevation D4 to call out insulated steel panels.
- d. 3/A9.0 Window Elevations"
  - i. Added Window Elevation E
  - ii. Added window glazing tags to elevations
- e. Updated glazing legend

**23. A10.1(REISSUED)**

- a. Detail 2/A10.1
  - i. A paper towel dispenser and a soap dispenser have been added to the Turnout/Locker Room
- b. Detail 7/A10.1
  - i. Added note for GB-18 in Men's Restroom 134B
- c. Detail 9/A10.1
  - i. Added note for GB-18 in Women's Restroom 134C.

**24. A10.2(REISSUED)**

- a. Detail 2/A10.2
  - i. A paper towel dispenser and a soap dispenser have been added to Unisex Restroom 113
- b. Detail 6/A10.2
  - i. A paper towel dispense and a soap dispenser have been added to Women's Restroom 112
- c. Detail 9/ A10.2
  - i. A paper towel dispenser, a soap dispenser and a under counter garbage can have been added to Men's Restroom 111

**25. A10.3 (REISSUED)**

- a. Detail 2/A10.3
  - i. Lockers have been changed to include doors in Men's Restroom 124
- b. Detail 3/A10.3
  - i. A paper towel dispenser has been added Men's Restroom 124
  - ii. Note added for GB-18 in Men's Restroom 124
- c. Detail 5/A10.3
  - i. A paper towel dispenser has been added Women's Restroom 123
- d. Detail 8/A10.3
  - i. A paper towel dispenser and a soap dispenser has been added for Laundry Room 125
- e. Detail 7/A10./3
  - i. Lockers have been changed to include doors in Women's Restroom 123

**26. A10.7 (NOT REISSUED)**

- a. Added casework detail 6/A10.7

**CLARIFICATIONS, SUBSTITUTION REQUESTS & RFI RESPONSES**

**1. CLARIFICATIONS**

For both buildings the 20-minute rated walls around bedrooms are required to be full height to underside of roof deck, this includes the framing, insulation and wall finishes / along with fire caulking at top of wall – no exceptions.

For non-rated interior partitions, sound batts and wall finish need be run full height of wall framing to the underside of trusses.

In addendum 01, the substitution request rejection for the Fire-Life Fire Alarm Systems was a rejection of the Honeywell Gamewell system. The projects are to include the Fire-Life Alarm System as specified on these projects.

Liquidated damages are included within the contract for this project, at \$500 per day beyond the substantial completion date. In addendum 01 we extended the construction substantial completion date to May 1, 2026.

In addendum 01, under the attachments section, the list of drawings listed under the second bullet point titled “Life Squad Station 14”, was written in error. This list of drawings is for Life Squad Station 18.

Solid Surface Wall Panels maximum available height is 8'. Hard joints have been specified to reduce visibility and maintenance of the material. The final location of joints is to be coordinated with architect in the field prior to panel fabrication.

**Life Squad Station 18**

Sheet A10.7 was issued in Addendum 01, but no drawing revision was included in the Addendum 01 writeup. The writeup for sheet A10.7 has been included in this addendum, the drawing is not being reissued.

**2. SUBSTITUTION REQUESTS**

- a. Honeywell Gamewell Alarm System: Rejected.
- b. Wayne Dalton Thermomark 5200 Sectional Steel Doors: Accepted.

3. **RFI's**

**Q:** Spec 10 5613- Are these wire shelves part of FF&E? Do not see location on plans.

**A: Include pricing in base bid for purchasing and installing the following shelving units:**

**1. Life Squad 14**

**a. Post and Beam Shelving- 2'W x5'L x6'H**

- i. Quantity: 2
- ii. Locations of shelving to be coordinated with owner and architect

**b. Wire Shelving: 2'W x4'L x 6'H**

- i. Quantity: 4
- ii. Locations of shelving to be coordinated with owner and architect

**2. Life Squad 18**

**a. Post and Beam Shelving- 2'W x5'L x6'H**

- i. 140 System Wide Storage: Quantity: 18
- ii. 200 Mezzanine: Quantity: 6
- iii. Location: See updated sheet A2.0 / A2.3 for keynote callouts of the locations of shelving. Final location of shelving on mezzanine to be coordinated with owner and architect

**b. Wire Shelving: 2'W x4'L x 6'H**

- i. Quantity: 10
- ii. Locations of shelving to be coordinated with owner and architect

**Q:** 092900 mentions high impact drywall, is there any high impact drywall required? If so where and what height?

**A: No high-impact drywall is required on either project.**

**Q:** Section 06 4116-1 page 1 part 2-products, note C. calls out Type of construction: Frameless Face Frame. Could you please clarify.

**A: This is a clerical error in the spec, the basis of design for all casework on both buildings is to provide frameless cabinets, with flush overlay doors/drawers.**

Life Squad 14 RFI's

**Q:** Does the exterior glass need to have any tint or just clear over low e? Thanks

**A: Exterior glass shall be tinted gray, typical.**

**Q:** P2.03 shows the gas line feeding the generator in both 2" & 3". Which is correct?

**A: Natural Gas supply to the generator is 2-inch (2-psi) per plans and details.**

**Q:** On page A3.1 details 2, 3, and 4 show acoustic insulation above the ceilings...None of the A6 series section drawings show any insulation. Is there insulation above the ceilings? If so, where and what thickness?

**A: We're looking for R-13 unfaced fiberglass batts above all finish ceilings.**

**Q:** Do the bottom of the trusses all get drywall or just at the drywall ceilings?

**A: Only where we have a drywall ceiling finish shown on the RCP.**

**Q:** At Med Vending 115 it is calling for an exposed ceiling...Do you want the trusses exposed to the underside of the roof? Or should it get drywalled?

**A: Added ACT ceiling in addendum 01.**

**Q:** At sheet A2.1 note 9...What is Type X?

**A: Clarified this note in addendum 01, type X 5/8" gyp. Bd. Is to be provided everywhere U.N.O. and MR drywall is required in wet locations and all restrooms.**

**Q:** There are multiple details similar to 1/A4.3 that call out for 1/2" exterior sheathing...Is this plywood or densglass?

**A: See spec section 06 6100 for approved materials for exterior wall sheathing – Glass-Mat Gypsum Sheathing: ASTM C 1177/1177M and Plywood Sheathing are approved materials**

**Q:** On Addendum 01, Page 17 – This is in the Squad 14 section. This seems to be for 18, but does the same cabinetry apply to 14 Reception area? Did not see revised 10.\* drawings for 14. See reference Q & A below:

- **Q:** On A2.1, Gym 110, cabinets shown on the floor plan but not elevation showing what they are.
- **A:** See updated sheet A10.5 for added casework elevations.

**A: Interior elevations 10 & 13 have been added to sheet A10.1 for life squad 14.**

**Q:** On sheet A2.1 (First Floor Plan), there are currently no dimensions for the brick veneer walls for the south and east wall. There are some dimensions for the walls themselves, but not specifically for where the brick veneer starts and ends. Could dimensions be added so that scaling is not necessary?

**A: Please see updated sheets A2.1 and A4.0 for added masonry dimensions for the brick veneer.**

**Q:** On sheet A5.0 (Exterior Elevations), the east elevation shows brick veneer on a wall that is further back. If you then go to sheet A2.1 (First Floor Plan), there is no wall shown, no dimensions to go off of for the brick veneer, and no wall sections through this wall. Could dimensions and a wall section be added for this wall?

**A: This brick veneer wall is above the gable roof, its base slopes along the roof. Please see sheet A4.0 for added dimensions of this wall. See detail 2/A4.3 for wall section information on this wall.**

**Q:** On sheet A5.1 (Exterior Elevations), the west elevation does not clarify if the upper brick veneer is to be "B1" or "B2". Should we assume that this is meant to be "B2" to match the south elevation?

**A: Correct, the upper brick veneer is to be B2.**

**Q:** On sheet A7.4 (Wall Sections), wall section 2 shows a water table at 3'-0". Are we to assume that there will be some type of limestone or cast stone, or are we to assume that the brick veneer type changes, but no stone or change in wall wythe is to occur?

**A: The watertable at 3'-0" is to show the change in brick veneer types only, there is not a stone sill.**

#### Life Squad 18 RFI's

**Q:** Does the exterior glass need to have any tint or just clear over low e? Thanks

**A: Exterior glass shall be tinted gray. Please see sheet A9.0**

**Q:** Life Squad 18, Sheet C6.0: They are showing the pipe to be DR14 but PSI rated at 200. Can you advise which is correct or is it something else?

**A: Per the City of Fremont standards, the Pvc pipe for water mains 4-inches through 12-inches in diameter shall be a minimum of dr18 with ductile iron equivalent outside diameter in accordance with awwa c900.**

**Q:** On Addendum 01, Page 20 for Squad 18- A10.4,

- o **Q:** There is a window shown in the kitchen looking into the exercise room. This is not noted on the plan. What is this?
- o **A:** Please see updated A2.1 for window tag information, and A9.1 for window elevation.

**A: This update on Addendum 01 was omitted in error. Please see reissued sheet A2.1, , and updated sheet A9.1 for the window elevation.**



**Q:** Where installing the access panels per note 3 on A2.1. There are no details of the downspout. Does the storm line come into the buildout or does the downspout exit the buildout to a storm line outside?

**A: The downpipes from the internal gutter will run horizontal in the soffit framing and run vertical concealed to concealed boots in the plan bump outs, this is why we need the access panels because all the piping will be concealed.**

**Q:** Room 130 has a note 15 for a closet shelf. Should this be a stainless-steel shelf instead of laminate?

**A: Yes, it should be supplied with the custodial shelving unit & broom hanger called for in spec section 10 2800 – 2.6 Custodial Accessories.**

**ATTACHMENTS:**

- **Bidding Documents**
  - Bid Form
- **Specifications**
  - 08 3613- Sectional Doors
- **Drawings**
  - Life Squad Station 14
    - A2.1, A4.0, A9.0, A10.1
  - Life Squad Station 18
    - A1.0, A1.1
    - C1.0, C1.1, C1.2, C2.0, C2.1, C2.2, C3.0, C3.1, C3.2, C3.3, C4.2, C4.3, C5.0, C5.1, C5.2, C5.5, C6.0
    - A2.0, A2.3, A4.3, A9.0, A10.1, A10.2, A10.3
- **Misc.**
  - Acknowledgement of Receipt

**END OF ADDENDUM NUMBER 02**

Project No. 22009 / 23007  
Sandusky County EMS  
Life Squad Station 14 / SCEMS Administrative Offices & Life Squad Station 18  
Addendum Number 02  
November 15, 2024

## ACKNOWLEDGEMENT OF RECEIPT

\_\_\_\_\_ (Company Name)

is in receipt of **Addendum Number 01** for the above referenced project.

Signed: \_\_\_\_\_

Please return this signed sheet by email to Andy Knopp at [andy.knopp@porterarch.com](mailto:andy.knopp@porterarch.com)

## **BID FORM**

**Projects:** Sandusky County EMS Sandusky County EMS  
Life Squad Station 14 Administrative Offices & Life Squad Station 18  
883 S. Main Street 1865 E. State Street  
Gibsonburg, Ohio 43420 Fremont, OH 43420

**Bids Due:** **November 21, 2024, 9:00 AM EST**

**To:** Theresa Garcia, Administrator  
Sandusky County Commissioners  
622 Croghan Street  
Fremont, Ohio 43420

**Submitted By:** Bidder : \_\_\_\_\_  
Address : \_\_\_\_\_  
: \_\_\_\_\_  
Telephone : \_\_\_\_\_  
E-mail : \_\_\_\_\_

The undersigned acknowledges having received and carefully reviewed the Contract Documents prepared by: **Thomas Porter Architects, 8 N. St. Clair Street, Toledo, Ohio 43604-1028**

The undersigned also acknowledges receipt and inclusion of the following addenda in our Bid:

<u><b>ADDENDUM #</b></u>	<u><b>DATE</b></u>
_____	_____
_____	_____
_____	_____

In submitting this Bid, the Bidder agrees to the following:

1. To hold their bid open for 60 days after receipt of bids.
2. To provide a form of bid guaranty as described in the Instructions to Bidders.
3. To enter into and execute a Contract, if awarded on the basis of this Bid, and to furnish a Bid Guaranty and Contract Bond in accordance with the project manual.
4. To submit Certificates of Insurance for the coverage specified.
5. To accomplish the Work in accordance with the Contract Documents.
6. To complete the Work covered by this Bid within dates specified in the project manual.

**BASE BID**

The Bidder agrees to execute the work under each of the following Base Bid areas indicated for the lump sum amount(s) given therein. (See Section 01010 – Summary of Work, for work included under the Base Bid)

**ITEM 1.0 – Sandusky County EMS Life Squad Station 14**

Produce cost to provide all labor, materials, and equipment for all demolition, construction, and miscellaneous work identified as Base Bid for the building construction below per the SCEMS Life Squad 14 contract drawings:

All Labor and Materials, for the sum of \$ \_\_\_\_\_

Sum in Words \_\_\_\_\_

**ITEM 1.1 – SCEMS Life Squad Station 14 Contingencies & Allowances**

Item 1.0 above must include all contingencies and allowances indicated below and per Section 01019 Contract Consideration for Life Squad Station 14:

- |   |              |
|---|--------------|
| 1. Construction Contingency:                          | \$100,000.00 |
| 2. Owner Security & Access Control Systems Allowance: | \$230,000.00 |
| 3. Owner EMS Radio System Allowance:                  | \$ 10,000.00 |
| 4. Owner FF&E Allowance:                              | \$ 35,000.00 |
| 5. Owner Building Appliance Allowance:                | \$ 40,000.00 |
| 6. Emergency Radio Amplifier System Allowance:        | \$ 35,000.00 |
| 7. Landscaping Allowance:                             | \$ 10,000.00 |

Sum in Words: Four Hundred Sixty Thousand

**ITEM 2.0 – Sandusky County EMS Administrative Offices & Life Squad Station 18**

Produce cost to provide all labor, materials, and equipment for all demolition, construction, and miscellaneous work identified as Base Bid for the building construction below per the SCEMS Administrative Offices & Life Squad 18 contract drawings:

All Labor and Materials, for the sum of \$ \_\_\_\_\_

Sum in Words \_\_\_\_\_

**ITEM 2.1 – SCEMS Administrative Offices & Life Squad Station 18 Contingencies & Allowances**

Item 2.0 above must include all contingencies and allowances indicated below and per Section 01019 Contract Consideration for the Administrative Offices & Life Squad Station 18:

- |   |              |
|---|--------------|
| 1. Construction Contingency:                          | \$300,000.00 |
| 2. Owner A/V System Allowance:                        | \$200,000.00 |
| 3. Owner Security & Access Control Systems Allowance: | \$335,000.00 |
| 4. Owner EMS Radio System Allowance:                  | \$ 45,000.00 |
| 5. Owner FF&E Allowance:                              | \$175,000.00 |
| 6. Owner Building Appliance Allowance:                | \$ 50,000.00 |
| 7. Emergency Radio Testing Allowance:                 | \$ 50,000.00 |
| 8. Landscaping Allowance:                             | \$ 10,000.00 |
| 9. Mortuary Cooler Allowance:                         | \$ 70,000.00 |

Sum in Words: One Million Two Hundred Thirty-Five Thousand

**ITEM 3.0 – SCEMS Combined Facility Construction – Lump Sum cost for Base Bid items 1 & 2 above**

Produce cost to provide all labor, materials, and equipment for all demolition, construction, and miscellaneous work identified as Base Bid on the contract drawings for SCEMS Life Squad Station 14 and SCEMS Administrative Offices & Life Squad Station 18 in their entirety. **Item 3.0 must include construction contingencies and allowances indicated in base bid items 1.1 & 2.1 above and per Section 01019 Contract Consideration for both project sites.**

All Labor and Materials, for the sum of \$ \_\_\_\_\_

Sum in Words \_\_\_\_\_

**ALTERNATES**

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**Alternate 01** – Life squad Station 14: Building Lightning Protection System (DEDUCT) – Produce cost to provide all labor, materials and equipment for all demolition, construction and miscellaneous work identified as part of the Building Lightning Protection system for Life Squad Station 14 in its entirety.

All Labor and Materials, for the sum of \$ \_\_\_\_\_

Sum in Words \_\_\_\_\_

**Alternate 02** – Life squad Station 14: Building Mass Notification System (DEDUCT) – Produce cost to provide all labor, materials and equipment for all demolition, construction and miscellaneous work identified as part of the Building Mass Notification system for Life Squad Station 14 in its entirety. A fire alarm system complying with OBC Section 907.2 & NFPA 72 shall remain within the project bid in the event this deduct alternate is accepted.

All Labor and Materials, for the sum of \$ \_\_\_\_\_

Sum in Words \_\_\_\_\_

**Alternate 03** – Life squad Station 18: Building Lightning Protection System (DEDUCT) – Produce cost to provide all labor, materials and equipment for all demolition, construction and miscellaneous work identified as part of the Building Lightning Protection system for Life Squad Station 18 in its entirety.

All Labor and Materials, for the sum of \$ \_\_\_\_\_

Sum in Words \_\_\_\_\_

**Alternate 04** – Life squad Station 18: Building Mass Notification System (DEDUCT) – Produce cost to provide all labor, materials and equipment for all demolition, construction and miscellaneous work identified as part of the Building Mass Notification system for Life Squad Station 18 in its entirety. A fire alarm system complying with OBC Section 907.2 & NFPA 72 shall remain within the project bid in the event this deduct alternate is accepted.

All Labor and Materials, for the sum of \$ \_\_\_\_\_

Sum in Words \_\_\_\_\_

**Alternate 05** – Life squad Station 18: Garage Hydronic Radiant Heating System (DEDUCT) – Produce cost to provide all labor, materials and equipment for all demolition, construction and miscellaneous work identified as part of the Hydronic radiant flooring system consisting of:

1. Heat exchanger located in the main mechanical room with tie ins to the main building hot water loop.
2. Multiple loop pumps serving each underfloor zone and piping manifold, valving, and accessories located in garage.
3. Underfloor piping zoned as recommended by radiant floor provider.
4. Coordination of underfloor piping with trench drains and expansion joints in concrete garage floor.
5. Installation of system per manufacturers written instructions.
6. Installation of control devices and sensors.

All Labor and Materials, for the sum of \$\_\_\_\_\_

Sum in Words\_\_\_\_\_

**UNIT COSTS (refer to Section 01270 Unit Prices)**

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1. Unit Price No. 1: Removal of unsatisfactory soil and replacement with satisfactory soil material.  
a. \_\_\_\_\_ / C.Y.
2. Unit Price No. 2: Mass rock excavation and replacement with satisfactory soil material.  
a. \_\_\_\_\_ / C.Y.
3. Unit Price No. 3: Trench rock excavation and replacement with satisfactory soil material.  
a. \_\_\_\_\_ / C.Y.
4. Unit Price No. 4: Removal, disposal and backfill and compact with premium backfill for existing pipes 4" thru 10" less than 5' deep.  
a. \_\_\_\_\_ / C.Y.
5. Unit Price No. 5: Removal, disposal and backfill and compact with premium backfill for existing pipes 4" thru 10" greater than 5' deep.  
a. \_\_\_\_\_ / C.Y.
6. Unit Price No. 6: Removal, disposal and backfill and compact with premium backfill for existing pipes 12" thru 18" less than 5' deep.  
a. \_\_\_\_\_ / C.Y.

7. Unit Price No. 7: Removal, disposal and backfill and compact with premium backfill for existing pipes 12" thru 18" greater than 5' deep
  - a. \_\_\_\_\_ / C.Y.
  
8. Unit Price No. 8: Removal, disposal and backfill and compact with premium backfill for existing pipes 21" thru 36" less than 5' deep.
  - a. \_\_\_\_\_ / C.Y.
  
9. Unit Price No. 9: Removal, disposal and backfill and compact with premium backfill for existing pipes 12" thru 18" greater than 5' deep
  - a. \_\_\_\_\_ / C.Y.

**BIDDERS CERTIFICATION**

The Bidder hereby acknowledges that the following representations in this bid are material and not mere recitals:

1. The Bidder has read and understands the Contract Documents and agrees to comply with all requirements of the Contract Documents, regardless of whether the Bidder has actual knowledge of the requirements and regardless of any statement or omission made by the Bidder which might indicate a contrary intention.
2. The Bidder represents that the bid is based upon the Standards specified by the Contract Documents.
3. The Bidder has visited the Project site, become familiar with local conditions, and has correlated personal observations with the requirements of the Contract Documents. The Bidder has no outstanding questions regarding the interpretation or clarification of the Contract Documents.
4. The Bidder understands that the award of separate contracts for the Project will require sequential, coordinated, and interrelated operations, which may involve interference, disruption, hindrance, or delay in the progress of the Bidder's Work. The Bidder agrees that the Contract price, as amended from time to time by Change Order, shall cover all amounts due from the Owner resulting from interference, disruption, hindrance, or delay caused by or between Contractors or their agents and employees.
5. The Bidder agrees that any such interference, disruption, hindrance, or delay is within the contemplation of the Bidder and the Owner and that the Contractor's sole remedy for such interference, disruption, hindrance, or delay shall be an extension of time in accordance with the Contract Documents. This provision is intended to be, and shall be construed as, consistent with and not in conflict with, Section 4113.62, ORC, to the fullest extent permitted.
6. The Bidder and each person signing on behalf of the Bidder certifies, and in the case of a joint or combined bid, each party thereto certifies as to such party's entity, under penalty or perjury, that to the best of the undersigned's knowledge and belief: (a) the Base Bid, any Unit Prices and any Alternate Bid in the bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition as to any matter relating to such Base Bid, any Unit Prices and any Alternate bid in the bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to the bid opening, directly or indirectly, to any other Bidder who would have any interest in the Base Bid, Unit Prices or Alternate bid; (c) no attempt has been made or will be made by the Bidder to induce any other individual, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
7. The Bidder will execute the Contract Form with the Board, if a Contract is awarded on the basis of this bid, and if the Bidder does not execute the Contract Form for any reason, other than as authorized by law, the Bidder and the Bidder's Surety are liable to the School District Board as provided in Article 6 of the Instructions to Bidders.



- 8. The Bidder certifies that upon the execution of the Contract Form, the Contractor will make a good faith effort to ensure that all of the Contractor's employees, will work on the site of the Project, will not purchase, transfer, use or possess illegal drugs or alcohol or abuse prescription drugs in any way.
- 9. The Contractor acknowledges that all Work shall be completed within the time established in the Contract Documents, and that each applicable portion of the Work shall be completed upon the respective milestone completion dates, unless an extension of time is granted in accordance with the Contract Documents.
- 10. The Bidder agrees to furnish any information requested by the Board to evaluate the responsibility of the Bidder.

**Each bid shall contain the name of every person interested therein. If the Bidder is a corporation, partnership, sole proprietorship, or limited liability corporation, an officer, partner, or principal of the Bidder, as applicable, shall print or type the legal name of the Bidder on the line provided and sign the Bid Form. If the Bidder is a joint venture, an officer, partner, or principal, as applicable, of each member of the joint venture shall print or type the legal name of the applicable member on the line provided and sign the Bid Form.**

**BIDDER'S NAME (PRINT)**

\_\_\_\_\_

Authorized Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

Telephone Number: (\_\_\_\_) \_\_\_\_\_

Facsimile Number: (\_\_\_\_) \_\_\_\_\_

Where Incorporated: \_\_\_\_\_

Type of Business (circle one):

Corporation    Partnership                      Sole Proprietorship                      Limited Liability Corporation

Federal Tax ID Number: \_\_\_\_\_

Contact Person for  
Contract processing:

\_\_\_\_\_

End of Section

## SECTION 08 3613 - SECTIONAL DOORS

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section Includes:
  - 1. Sectional-door assemblies.

#### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type and size of sectional door and accessory.
- B. Shop Drawings: For each installation and for components not dimensioned or detailed in manufacturer's product data.
- C. Samples: For each exposed product and for each color and texture specified.

#### 1.3 INFORMATIONAL SUBMITTALS

- A. Sample warranties.

#### 1.4 CLOSEOUT SUBMITTALS

#### 1.5 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with provisions in the U.S. Department of Justice's "2010 ADA Standards for Accessible Design" ICC A117.1 applicable to sectional doors.

#### 1.6 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace components of sectional doors that fail in materials or workmanship within specified warranty period.
  - 1. Warranty Period: Five years from date of Substantial Completion.
- B. Finish Warranty: Manufacturer agrees to repair or replace components that show evidence of deterioration of factory-applied finishes within specified warranty period.
  - 1. Warranty Period: 10 years from date of Substantial Completion.

### PART 2 - PRODUCTS

#### 2.1 PERFORMANCE REQUIREMENTS

- A. General Performance: Provide sectional doors that comply with performance requirements specified without failure from defective manufacture, fabrication, installation, or other defects in construction and without requiring temporary installation of reinforcing components.

- B. Structural Performance, Exterior Doors: Capable of withstanding the design wind loads.
  - 1. Design Wind Load: Uniform pressure (velocity pressure) of 20 lbf/sq. ft. , acting inward and outward .
  - 2. Testing: In accordance with ASTM E330/E330M .
- C. Windborne-Debris Impact Resistance: Provide sectional doors complying with the following requirements:
  - 1. Glazed Openings: Pass ASTM E1886 Large Missile Test and cyclic-pressure tests in accordance with ASTM E1996 for enhanced protection and Wind Zone .
  - 2. Garage-Door Glazed Openings: Pass DASMA 115.

## 2.2 SECTIONAL-DOOR ASSEMBLY OHD

- A. ~~Steel Aluminum~~ Sectional Door: Provide sectional door formed with hinged sections and fabricated so that finished door assembly is rigid and aligned with tight hairline joints; free of warp, twist, and deformation; and complies with requirements in DASMA 102.
  - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Clopay Building Products.
    - b. Haas Door; a Nofziger Company.
    - c. Wayne Dalton; a division of Overhead Door Corporation.
- B. Operation Cycles: Door components and operators capable of operating for not less than 50,000 operation cycles. One operation cycle is complete when door is opened from closed position to the open position and returned to closed position.
- C. Air Infiltration: Maximum rate of 0.4 cfm/sq. ft. when tested in accordance with ASTM E283 or DASMA 105.
- D. U-Value: ~~0.052~~ 0.130 Btu/sq. ft. x h x deg F .
- E. Steel Door Sections: ASTM A653/A653M, zinc-coated (galvanized), cold-rolled, commercial steel sheet with G90 zinc coating.
  - 1. Door-Section Thickness: 1-7/8 inches .
  - 2. Section Faces:
    - a. Thermal-Break Construction: Provide sections with continuous thermal-break construction separating the exterior and interior faces of door.
    - b. Exterior Face: Fabricated from single sheets, not more than 24 inches high; with horizontal meeting edges rolled to continuous, interlocking, keyed, rabbeted, shiplap, or tongue-in-groove, weather- and pinch-resistant seals and reinforcing flange return.
      - 1) Steel Sheet Thickness: 0.015-INCH nominal coated thickness.
      - 2) Surface: Manufacturer's standard, flat match OHD door elevation in drawings .

- c. Interior Face: Enclose insulation completely within steel exterior facing and interior facing material, with no exposed insulation. Provide the following interior-facing material:
          - 1) Zinc-Coated (Galvanized) Steel Sheet: With minimum nominal coated thickness of 0.015-inch. .
      3. End Stiles: Enclose open ends of sections with channel end stiles formed from galvanized-steel sheet not less than 0.064-inch nominal coated thickness and welded to door section.
      4. Intermediate Stiles: Provide intermediate stiles formed from not less than 0.064-inch- thick galvanized-steel sheet, cut to door section profile, and welded in place. Space stiles not more than 48 inches apart.
      5. Section Reinforcing: Horizontal and diagonal reinforcement as required to stiffen door and for wind loading. Provide galvanized-steel bars, struts, trusses, or strip steel, formed to depth and bolted or welded in place. Ensure that reinforcement does not obstruct vision lites.
        - a. Bottom Section: Reinforce section with a continuous channel or angle conforming to bottom-section profile and allowing installation of astragal (weatherseal).
        - b. Hardware Locations: Provide reinforcement for hardware attachment.
      6. Thermal Insulation: Insulate interior of steel sections with door manufacturer's standard CFC-free insulation of type indicated below:
        - a. Board Insulation: Polystyrene or polyurethane, secured to exterior face sheet.
        - b. Foamed-in-Place Insulation: Polyurethane, foamed in place to completely fill interior of section and pressure bonded to face sheets to prevent delamination under wind load.
        - c. Fire-Resistance Characteristics: Maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, in accordance with ASTM E84.
- F. Aluminum "Full View Glass" Sections: ASTM B221 extruded-aluminum stile and rail members of alloy and temper standard with manufacturer for type of use and finish indicated; in minimum thickness required to comply with requirements ; with rail and stile dimensions and profiles indicated on Drawings; and with overlapped or interlocked weather- and pinch-resistant seal at meeting rails.
  1. Door-Section Thickness: 1-3/4 inches Min. .
  2. Section Reinforcing: Continuous horizontal and diagonal reinforcement as required to stiffen door and for wind loading. Ensure that reinforcement does not obstruct vision lites.
    - a. Hardware Locations: Provide reinforcement for hardware attachment.
  3. Insulated Stiles and Rails: Fill stiles and rails manufacturer's standard polyurethane expanding foam .
  4. Glazed Panels: Manufacturer's standard, aluminum-framed section with glazing sealed with glazing tape and aluminum glazing bead. Glazing as follows:

- a. Insulating Glass Units: Manufacturers' standard unit with tempered glass lites complying with ASTM C1048, Kind FT (fully tempered), Condition A (uncoated), Type I, Class 1 (clear), Quality-Q3.
- ~~5. Solid Aluminum Panels: ASTM B209, alloy and temper standard with manufacturer for use and finish indicated:
  - a. Description: 1/2-inch thick overall insulated panel composed of 0.050-inch aluminum interior and exterior panels with an extruded polystyrene (EPS) core.
  - b. Attachment to Frame: Sealed with glazing tape and aluminum glazing bead.
  - c. Aluminum Surface: Smooth.~~
- G. Track: Manufacturer's standard, galvanized-steel, high-lift track system. Provide complete system including brackets, bracing, and reinforcement to ensure rigid support of ball-bearing roller guides.
  1. Material: Galvanized steel, ASTM A653/A653M, minimum G60 zinc coating.
  2. Size: As recommended in writing by manufacturer for door size, weight, track configuration and door clearances indicated on Drawings .
  3. Track Reinforcement and Supports: Provide galvanized-steel members to support track without sag, sway, and vibration during opening and closing of doors. Slot vertical sections of track spaced 2 inches apart for door-drop safety device.
    - a. Vertical Track: Incline vertical track to ensure weathertight closure at jambs. Provide continuous angle attached to track and wall.
    - b. Horizontal Track: Provide continuous reinforcing angle from curve in track to end of track, attached to track and supported at points by laterally braced attachments to overhead structural members.
- H. Weatherseals: Replaceable, adjustable, continuous, compressible weather-stripping gaskets of flexible vinyl, rubber, or neoprene fitted to bottom top and jambs of door. Provide combination bottom weatherseal and sensor edge for bottom seal.
- I. Hardware: Heavy-duty, corrosion-resistant hardware, with hot-dip galvanized, stainless steel, or other corrosion-resistant fasteners, to suit door type.
  1. Hinges: Heavy-duty, galvanized-steel hinges of not less than 0.079-inch nominal coated thickness at each end stile and at each intermediate stile, in accordance with manufacturer's written recommendations for door size.
    - a. Attach hinges to door sections through stiles and rails with bolts and lock nuts or lock washers and nuts. Use rivets or self-tapping fasteners where access to nuts is impossible.
  2. Rollers: Heavy-duty rollers with steel ball bearings in case-hardened steel races, mounted to suit slope of track. Extend roller shaft through both hinges where double hinges are required. Match roller-tire diameter to track width.
    - a. Roller-Tire Material: Manufacturer's standard .
  3. Push/Pull Handles: Equip each door with galvanized-steel lifting handles on each side of door, finished to match door.

- J. Locking Device:
  - 1. Slide Bolt: Fabricate with side-locking bolts to engage through slots in tracks for locking by padlock, located on single-jamb side, operable from inside only.
  - 2. Safety Interlock Switch: Equip power-operated doors with safety interlock switch to disengage power supply when door is locked.
  
- K. Counterbalance Mechanism:
  - 1. Torsion Spring: Adjustable-tension torsion springs complying with requirements of DASMA 102 for number of operation cycles indicated, mounted on torsion shaft.
  - 2. Cable Drums and Shaft for Doors: Cast-aluminum cable drums mounted on torsion shaft and grooved to receive door-lifting cables as door is raised.
    - a. Mount counterbalance mechanism with manufacturer's standard ball-bearing brackets at each end of torsion shaft.
  - 3. Cables: Galvanized-steel, multistrand, lifting cables.
  - 4. Cable Safety Device: Include a spring-loaded steel or bronze cam mounted to bottom door roller assembly on each side and designed to automatically stop door if lifting cable breaks.
  - 5. Bracket: Provide anchor support bracket as required to connect stationary end of spring to the wall and to level the shaft and prevent sag.
  - 6. Bumper: Provide spring bumper at each horizontal track to cushion door at end of opening operation.
  
- L. Electric Door Operator: Electric door operator assembly of size and capacity recommended by door manufacturer for door and operation cycles specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, solenoid-operated brake, clutch, control stations, control devices, integral gearing for locking door, and accessories required for proper operation.
  - 1. Comply with NFPA 70.
  - 2. Control equipment complying with NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6; with NFPA 70, Class 2 control circuit, maximum 24 V ac or dc.
  - 3. Safety: Listed in accordance with UL 325 by a qualified testing agency for commercial or industrial use ; moving parts of operator enclosed or guarded if exposed and mounted at 8 ft. or lower .
  - 4. Usage Classification: Standard duty, up to 25 cycles per hour and up to 90 cycles per day .
  - 5. Operator Type: Jackshaft, side mounted .
  - 6. Motor: Reversible-type with controller (disconnect switch) for exterior, dusty, wet, or humid motor exposure. Use adjustable motor-mounting bases for belt-driven operators.
    - a. Motor Size: As required to start, accelerate, and operate door in either direction from any position, at a speed not less than 8 in./sec. and not more than 12 in./sec. , without exceeding nameplate ratings or service factor .
    - b. Electrical Characteristics:

- 1) Phase: Single phase .
  - 2) Volts: 115 V.
  7. Limit Switches: Equip motorized door with adjustable switches interlocked with motor controls and set to automatically stop door at fully opened and fully closed positions.
  8. Obstruction Detection: Automatic external entrapment protection consisting of automatic safety sensor capable of protecting full width of door opening. Activation of device immediately stops and reverses downward door travel.
    - a. Unmonitored Entrapment Protection: Retro-reflective photo sensor .
  9. Control Station: Surface mounted, three-position (open, close, and stop) control.
    - a. Operation: Push button interior and key exterior .
    - b. Interior-Mounted Unit: Full-guarded, surface-mounted, heavy-duty type, with general-purpose NEMA ICS 6, Type 1 enclosure.
    - c. Exterior-Mounted Unit: Full-guarded, surface-mounted, standard-duty, weatherproof type, NEMA ICS 6, Type 4 enclosure.
    - d. Features: Provide the following:
      - 1) Photocell operation.
      - 2) Door-timer operation.
      - ~~3) Vehicle detection operation.~~
      - ~~4) Radio control operation.~~
      - ~~5) Card reader control.~~
      - ~~6) Explosion- and dust-ignition-proof control wiring.~~
      - ~~7) Audible and visual signals that comply with regulatory requirements for accessibility.~~
  10. Emergency Manual Operation: Chain type designed so required force for door operation does not exceed **25 lbf** .
  11. Motor Removal: Design operator so motor can be removed without disturbing limit-switch adjustment and without affecting emergency manual operation.
- M. Metal Finish:
1. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard baked-on finish consisting of prime coat and thermosetting topcoat.
    - a. Color and Gloss: As selected by Architect from manufacturer's full range .
  2. Anodized Aluminum Finish:
    - a. Color Anodic Finish: AAMA 611, AA-M12C22A42/A44, Class I, 0.018 mm or thicker.
      - 1) Color: As selected by Architect from manufacturer's full range .

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. Install sectional doors and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports; in accordance with manufacturer's written instructions.

- B. Tracks:
  - 1. Fasten vertical track assembly to opening jambs and framing with fasteners spaced not more than 24 inches apart.
  - 2. Hang horizontal track assembly from structural overhead framing with angles or channel hangers attached to framing by welding or bolting, or both. Provide sway bracing, diagonal bracing, and reinforcement as required for rigid installation of track and door-operating equipment.
- C. Accessibility: Install sectional doors, switches, and controls along accessible routes in compliance with regulatory requirements for accessibility.
- D. Power-Operated Doors: Install automatic garage doors openers in accordance with UL 325.

END OF SECTION 08 3613



GENERAL NOTES:

- COORDINATE SIZE AND LOCATION OF ALL HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
- FLOOR PLANS ARE DIMENSIONED TO FACE OF STUD - TYPICAL.
- DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
- PROVIDE INTERIOR GYP BD CONTROL JOINTS @ 25' O.C. AT LOCATIONS SHOWN ON PLANS AND/OR INTERIOR ELEVATIONS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
- VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
- REFER TO LS-SERIES DRAWINGS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS, UL DESCRIPTIONS, AND JOINT DETAILS.
- REFER TO A11 SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES.
- ALL INTERIOR PARTITIONS TO INCLUDE 5/8" TYPE X GYPSUM BOARD, U.N.O. GYP. BD. IS ALSO REQUIRED TO BE MR TYPE AT PARTITIONS WITH PLUMBING FIXTURES AND THROUGHOUT RESTROOMS, TYP.
- ALL INTERIOR DOOR FRAMES SHALL BE PAINTED TO MATCH THE WALL IN WHICH THEY OCCUR, UNO.

LIST OF ABBREVIATIONS

- FEC - FIRE EXTINGUISHER CABINET
- FE - FIRE EXTINGUISHER (W/ WALL BRACKET)
- ⊕ - WALL PARTITION TYPE - SEE SHEET A2.1
- EP - ELECTRICAL PANEL(S), PAINT SAME COLOR AS WALL SURFACE
- CUH - CABINET UNIT HEATER
- DF - DRINKING FOUNTAIN
- EWC - ELECTRIC WATER COOLER
- ADO - AUTOMATIC POWER DOOR OPERATOR PUSH BUTTON, SEE ELEC DWGS

SYMBOL LEGEND

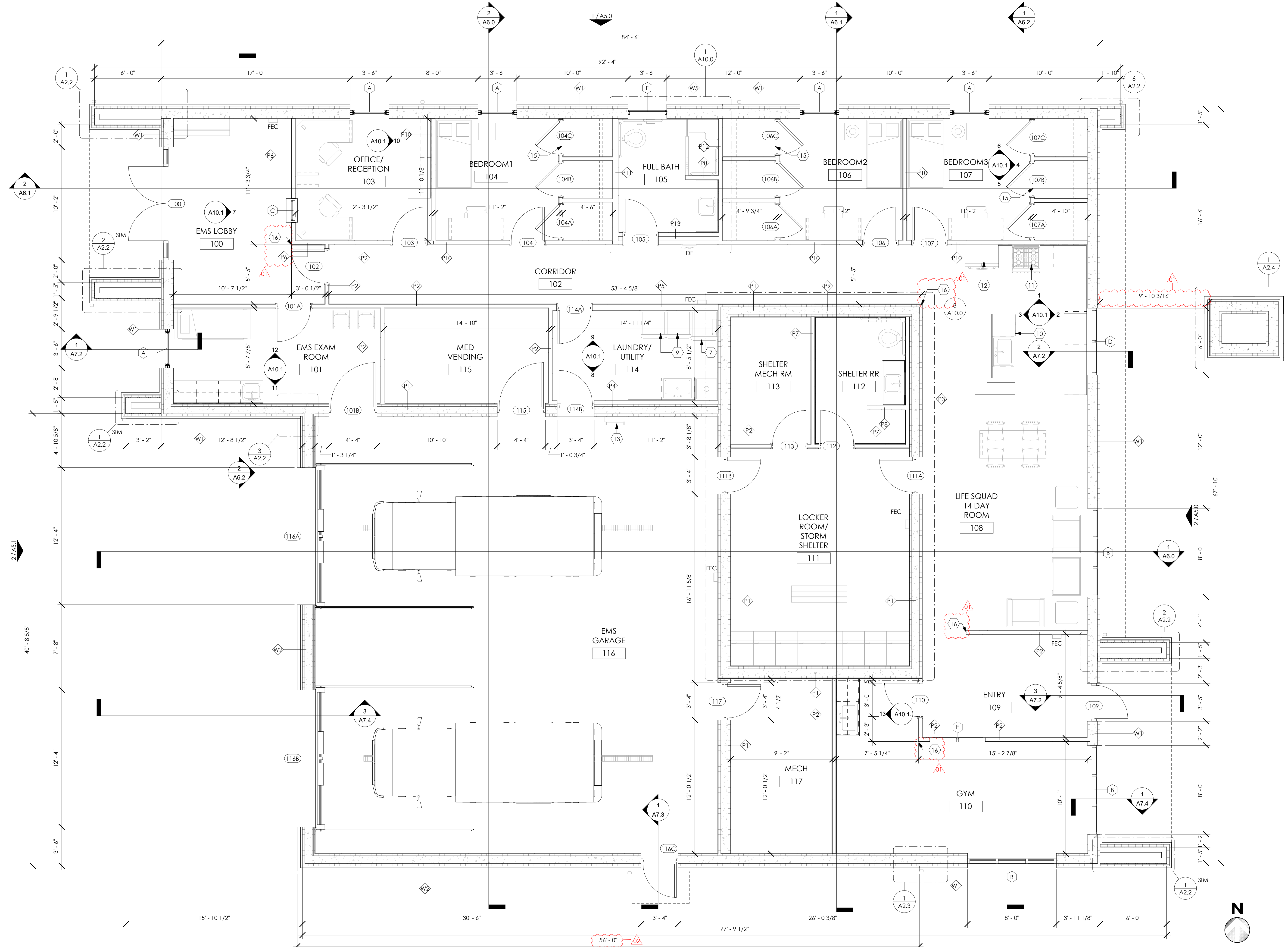
101	DOOR TAG
⊕	WALL TAG
11	WINDOW TAG
A101	INTERIOR ELEVATION, SEE A8.0
Room name 101	ROOM TAG
▲	EXTERIOR ELEVATION, SEE A5.0 SERIES
▲	BUILDING SECTIONS, SEE A6.0 SERIES

KEYNOTE LEGEND

- TURNOUT GEAR WASHER, BASIS OF DESIGN: READY RACK EXTRACTOR 22 (EW22C). TO BE SELECTED BY OWNER, CONTRACTOR RESPONSIBLE FOR PROCUREMENT & INSTALLATION VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 01 2100.
- WASHER AND DRYER TO BE SELECTED BY OWNER, CONTRACTOR RESPONSIBLE FOR PROCUREMENT & INSTALLATION VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 01 2100.
- 24" DISHWASHER, TO BE SELECTED BY OWNER, CONTRACTOR RESPONSIBLE FOR PROCUREMENT & INSTALLATION VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 01 2100.
- 30" RANGE, TO BE SELECTED BY OWNER, CONTRACTOR RESPONSIBLE FOR PROCUREMENT & INSTALLATION VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 01 2100.
- 36" FREE-STANDING REFRIGERATOR, TO BE SELECTED BY OWNER, CONTRACTOR RESPONSIBLE FOR PROCUREMENT & INSTALLATION VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 01 2100.
- WALL MOUNTED ROOF ACCESS LADDER, REFER TO SPEC SECTION 05 5000 FOR FABRICATION REQUIREMENTS.
- PROVIDE (1) CLOSET SHELF WITH CLOSET ROD, EACH CLOSET WITHIN ROOM, SEE SPEC SECTION 10 5723 FOR REQUIREMENTS. SEE DETAIL 3/A3.1 FOR CLOSET CEILING HEIGHTS.
- CORNER GUARD, SEE SPEC SECTION 10 2600

WALL TYPE LEGEND

TAG #	PLAN VIEW	DESCRIPTION	TAG #	PLAN VIEW	DESCRIPTION
W6		EXTERIOR ICF WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" RAINSCREEN RAIL SYSTEM, 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE, (1) LAYER 5/8" GYP. BOARD, REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	W6		EXTERIOR CMU WALL - 4" BRICK VENEER, 2" AIR SPACE OVER 8" CMU CORE, REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS
W2		EXTERIOR ICF WALL - 4" BRICK VENEER, 2" AIR SPACE, 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE, (1) LAYER 5/8" GYP. BOARD, REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	P6		INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD ON BOTH SIDES OF 2-5/8" RIGID INSULATION, 8" REINFORCED CONCRETE CORE TO UNDERSIDE OF CONCRETE CAP OR TRUSS
W3		EXTERIOR STUD WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" RAINSCREEN RAIL SYSTEM, 2" RIGID INSULATION MIN R-11.4 W/ 1/4" GA 2 FURRING @ 24" O.C., 1/2" EXTERIOR SHEATHING ON 4" COLD FORM STUDS, REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	P7		(1) LAYER 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS EACH SIDE TO UNDERSIDE OF DECK OR TRUSS
W4		EXTERIOR STUD WALL - 4MM COMPOSITE METAL PANEL, 2" ALUM EXTRUDED RAIN SCREEN SYSTEM, 2" RIGID INSULATION MIN R-11.4 W/ 1/4" GA 2 FURRING @ 24" O.C., 1/2" EXTERIOR SHEATHING OVER 4" COLD FORM STUDS, REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	P8		1/4" SOLID SURFACE OVER (1) LAYER 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS EACH SIDE TO UNDERSIDE OF DECK OR TRUSS
W5		EXTERIOR ICF WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" RAINSCREEN RAIL SYSTEM, 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE, (1) 1/4" SOLID SURFACE ON ONE SIDE, OVER (1) LAYER 5/8" GYPSUM BOARD, REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	P9		INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD ON ONE SIDE TO UNDERSIDE OF DECK OR TRUSS



1 FIRST FLOOR PLAN  
A2.1 1/4" = 1'-0"



**THOMAS PORTER ARCHITECTS**  
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Civil & Environmental Suite 2050  
Consultants, Inc. Toledo, OH 43604  
Ph: 419.724.5281  
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SEAL:  
**ANDREW B. KNOX**  
REGISTERED ARCHITECT  
17352  
Andrew B. Knox License #1817352  
Expiration Date 12/31/2025  
NOT FOR CONSTRUCTION UNLESS SIGNED & SEALED

PROJECT TITLE:  
**SCEMS LIFE SQUAD 14**  
883 MAIN STREET  
GIBSONBURG, OHIO 43431

ISSUE FOR REVISION:

11.15.2024	ADDENDUM 02
11.11.2024	ADDENDUM 01
10.24.2024	ISSUED FOR BID

Date Revision Description

DESIGNED: EF/AM  
DRAWN: EF/AM  
CHECKED: AK

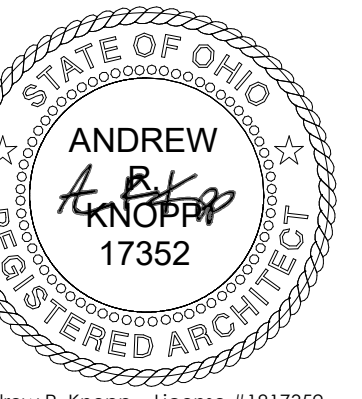
TPA COMMISSION NUMBER: 23007

DRAWING TITLE:  
**FIRST FLOOR PLAN**  
DRAWING NUMBER:  
**A2.1**

CONSULTANTS:



SEAL:



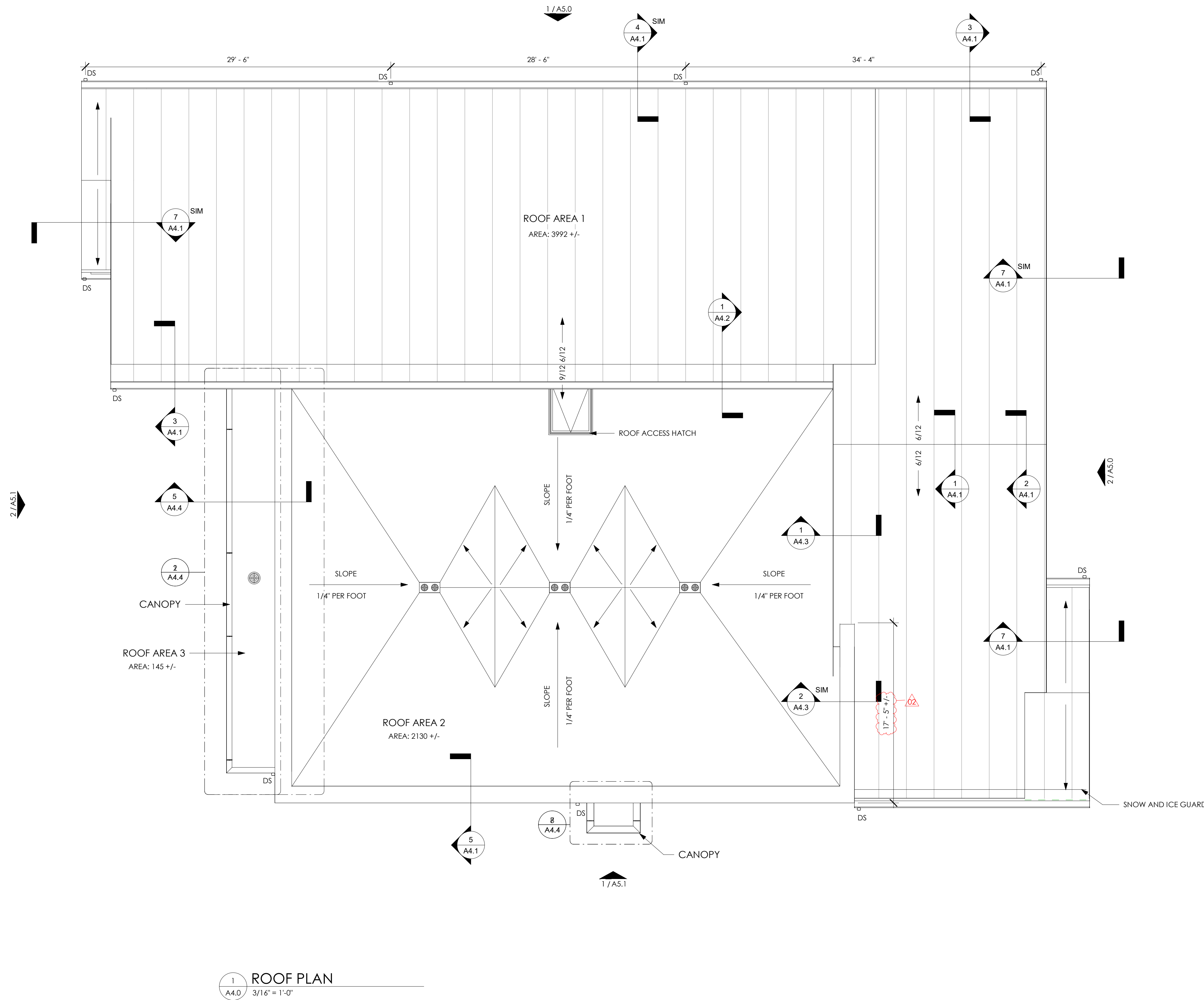
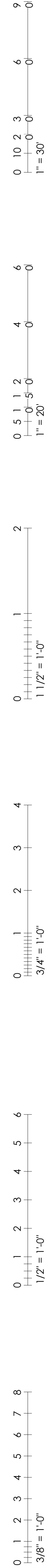
Andrew R. Knapp License #17352  
 Expiration Date 12/31/2025  
 NOT FOR CONSTRUCTION UNLESS SIGNED & SEALED

GENERAL NOTES:

1. DETAILS BASED ON BASIS OF DESIGN MANUFACTURER. CONTRACTOR SHALL MAKE MANUFACTURER RECOMMENDED MODIFICATIONS TO DETAILS AS REQUIRED FOR ANY APPROVED EQUAL ROOF SYSTEM.
2. ALL DETAILS SHALL UTILIZE ROOF MANUFACTURER'S MOST CURRENT DETAILS FOR SPECIFIED WARRANTY.

## ROOF LEGEND

- - - - EXTERIOR WALL BELOW
- (SV) PLUMBING STACK VENT, FLUE OR OTHER PENETRATION - PAINT TO MATCH ROOFING COLOR PROVIDE / INSTALL PREFAB ACCESSORY BOOT, PER MANUFACTURERS DETAILS
- 4:12 SLOPE INDICATES ROOF SLOPE (SLOPED STRUCTURE OR SLOPE OBTAINED W/ TAPERED INSULATION)
- DS PREFIN, ALUMINUM GUTTER AND DOWNSPOUT
- 1 / A6.0 SECTION / DETAIL TAG
- RV CONTINUOUS ROOF RIDGE VENT - INSTALL PER MANUF. SPECIFICATIONS
- STANDING SEAM METAL ROOF



1 ROOF PLAN  
 A4.0 3/16\"/>



PROJECT TITLE: SCEMS LIFE SQUAD 14

883 MAIN STREET  
 GIBSONBURG, OHIO 43431

ISSUE FOR REVISION:

Date	Revision Description

11.15.2024 ADDENDUM 02  
 10.24.2024 ISSUED FOR BID

DESIGNED: EF/AM  
 DRAWN: EF/AM  
 CHECKED: AK

TPA COMMISSION NUMBER: 23007

DRAWING TITLE:  
**ROOF PLAN**

DRAWING NUMBER:  
**A4.0**

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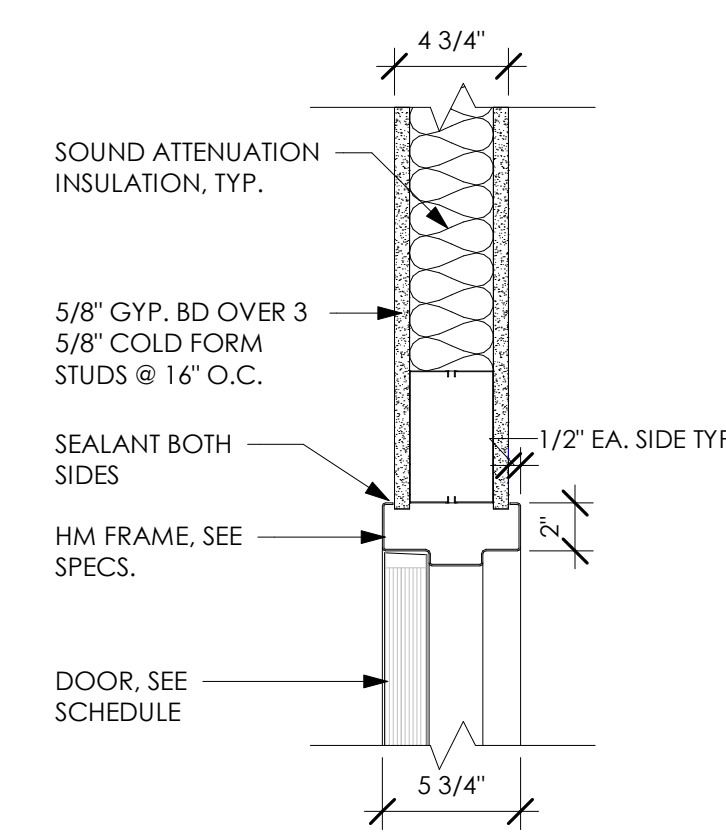
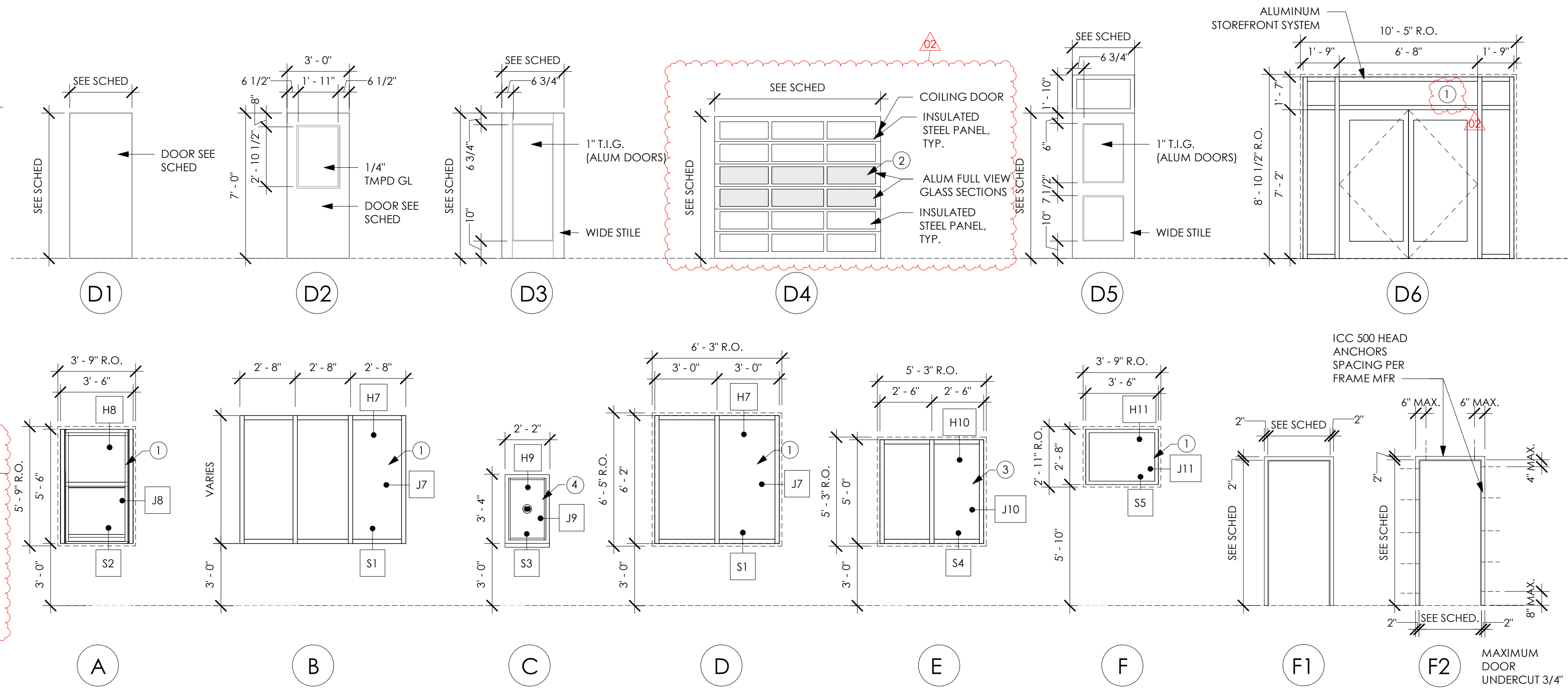
DOOR SCHEDULE																				
DOOR NO.	SIZE		DOOR	FRAME		DETAILS														REMARKS
	WIDTH	HEIGHT		MATERIAL	TYPE	FIN	JAM B	HEAD	RATINGS	HWD SET	GLASS TYPE	GLASS SIZE	MATERIAL	TYPE	FIN	ANOD	J7	H7	1.0	
100	6'-8"	7'-2"	AL	D6	ANOD	1	1"	AL	D7	ANOD	J7	H7	1.0						CR	
101A	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	4.0						CR	
101B	4'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	12.0							
102	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	6.0							
103	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	20 MIN	10.1						
104	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	20 MIN	8.0						
104A	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	10.0							
104B	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	10.0							
104C	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	9.0							
105	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	20 MIN	11.1						
106	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	20 MIN	7.0						
106A	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	10.0							
106B	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	10.0							
106C	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	10.0							
107	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	20 MIN	7.0						
107A	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	10.0							
107B	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	10.0							
107C	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	9.0							
109	3'-0"	7'-0"	AL	D5	ANOD	1	1"	AL	D5	ANOD	J6	H7	2.0							
110	3'-0"	7'-0"	WD	D2	ST	3	1/4"	HM	F1	P	J2	H2	9.0							
111A	3'-0"	7'-0"	HM	D1	P	-	-	HM	F3	P	J3	H3	90 MIN	13.0					MAX. DUTY DOOR AND FRAME, ICC 500 COMPLIANT DOOR HARDWARE, CR	
111B	3'-0"	7'-0"	HM	D1	P	-	-	HM	F3	P	J3	H3	90 MIN	13.0					MAX. DUTY DOOR AND FRAME, ICC 500 COMPLIANT DOOR HARDWARE, CR	
112	3'-0"	7'-0"	HM	D1	P	-	-	HM	F1	P	J1	H1	11.0							
113	3'-0"	7'-0"	HM	D1	P	-	-	HM	F1	P	J1	H1	9.0							
114	4'-6"	6-7/8"	WD	D1	ST	-	-	HM	F1	P	J1	H1	9.0							
114A	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J1	H1	9.0							
114B	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J2	H2	9.0							
115	4'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J2	H2	5.8						CR	
116A	12'-4"	12'-0"	IS	D4	ANOD	2	7/8"	GS	D4	ANOD	J5	H5							MOTORIZED OHD	
116B	12'-4"	12'-0"	IS	D4	ANOD	2	7/8"	GS	D4	ANOD	J5	H5							MOTORIZED OHD	
116C	3'-0"	7'-0"	HM	D1	P	-	-	HM	F1	P	J4	H4	3.0						CR	
117	3'-0"	7'-0"	WD	D1	ST	-	-	HM	F1	P	J2	H2	5.0						CR	

### ABBREVIATIONS

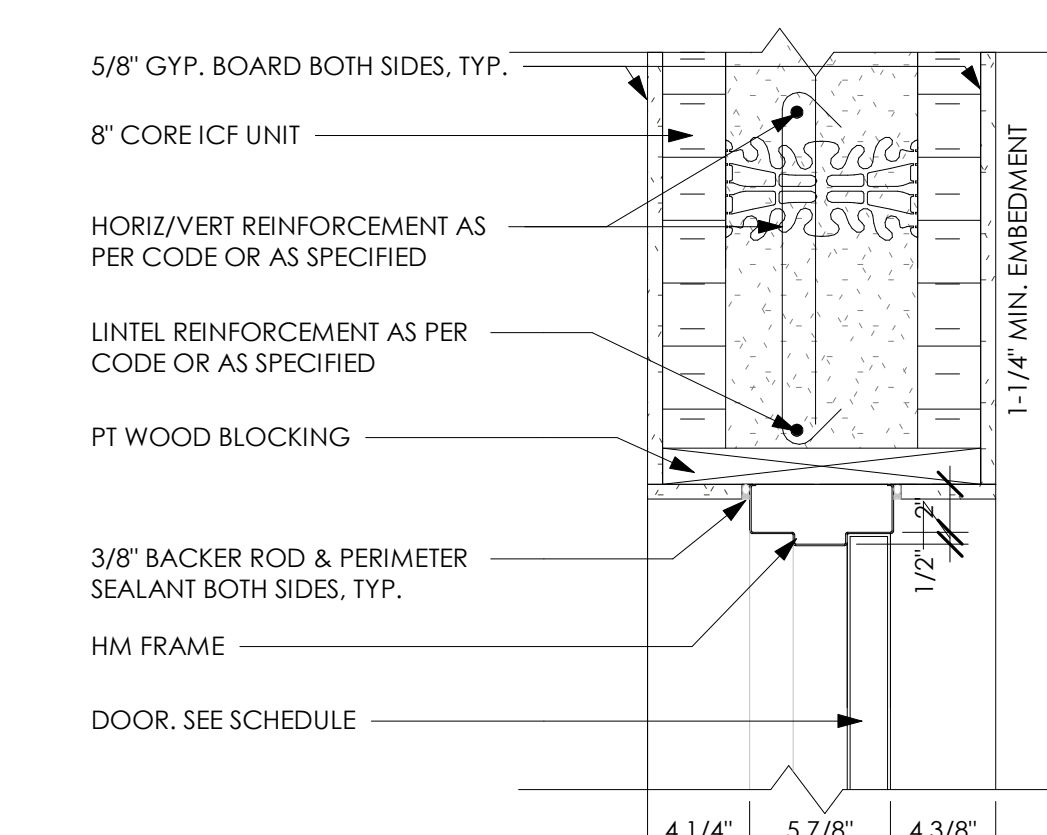
ALUM	ALUMINUM
ANOD	ANODIZED
F	FRAME
FL	FULL LITE
HL	HEAD
HL	HALF LITE
HMA	HOLLOW METAL
IDEN	IDENTIFICATION
IG	INSULATED GLASS
IS	INSULATED STEEL
GS	GALVANIZED STEEL
J	JAMB
OH	OVERHEAD DOOR
P	PAINT
ST	STAIN

### GLASS LEGEND

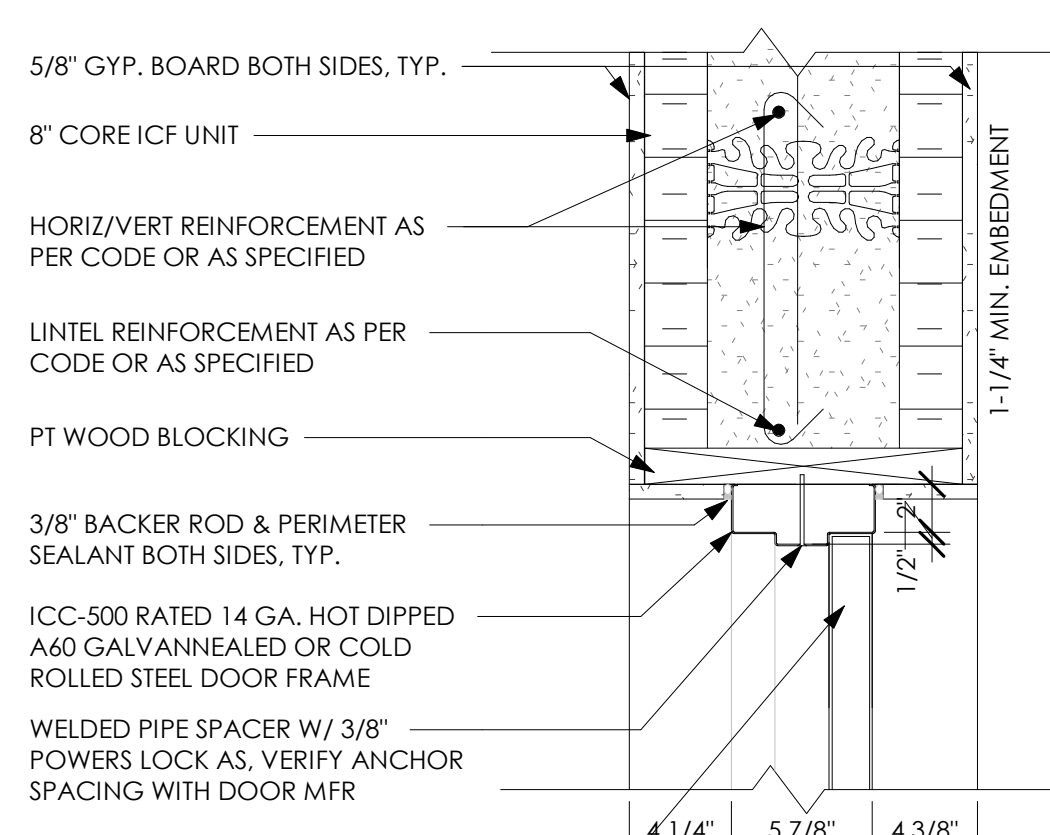
- 1 TINTED INSULATED GLASS SEE SPEC.
- 2 1" INSULATED GLASS SEE SPEC.
- 3 1/4" LAMINATED & TEMPERED GLASS SEE SPEC.
- 4 BULLET RESISTANT GLASS @ TRANSACTION WINDOW, SEE SPEC SECTION 08 5653 FOR REQUIREMENTS.



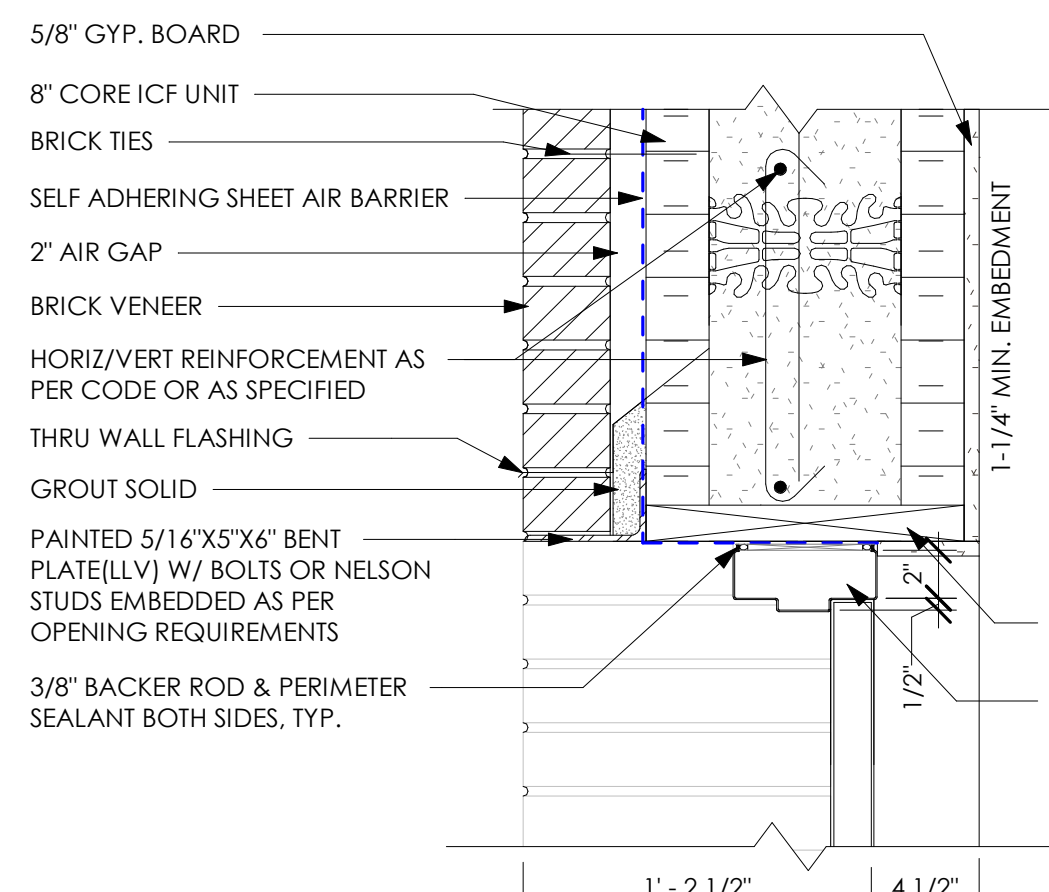
H1 HEAD DETAIL  
1-1/2" = 1'-0"



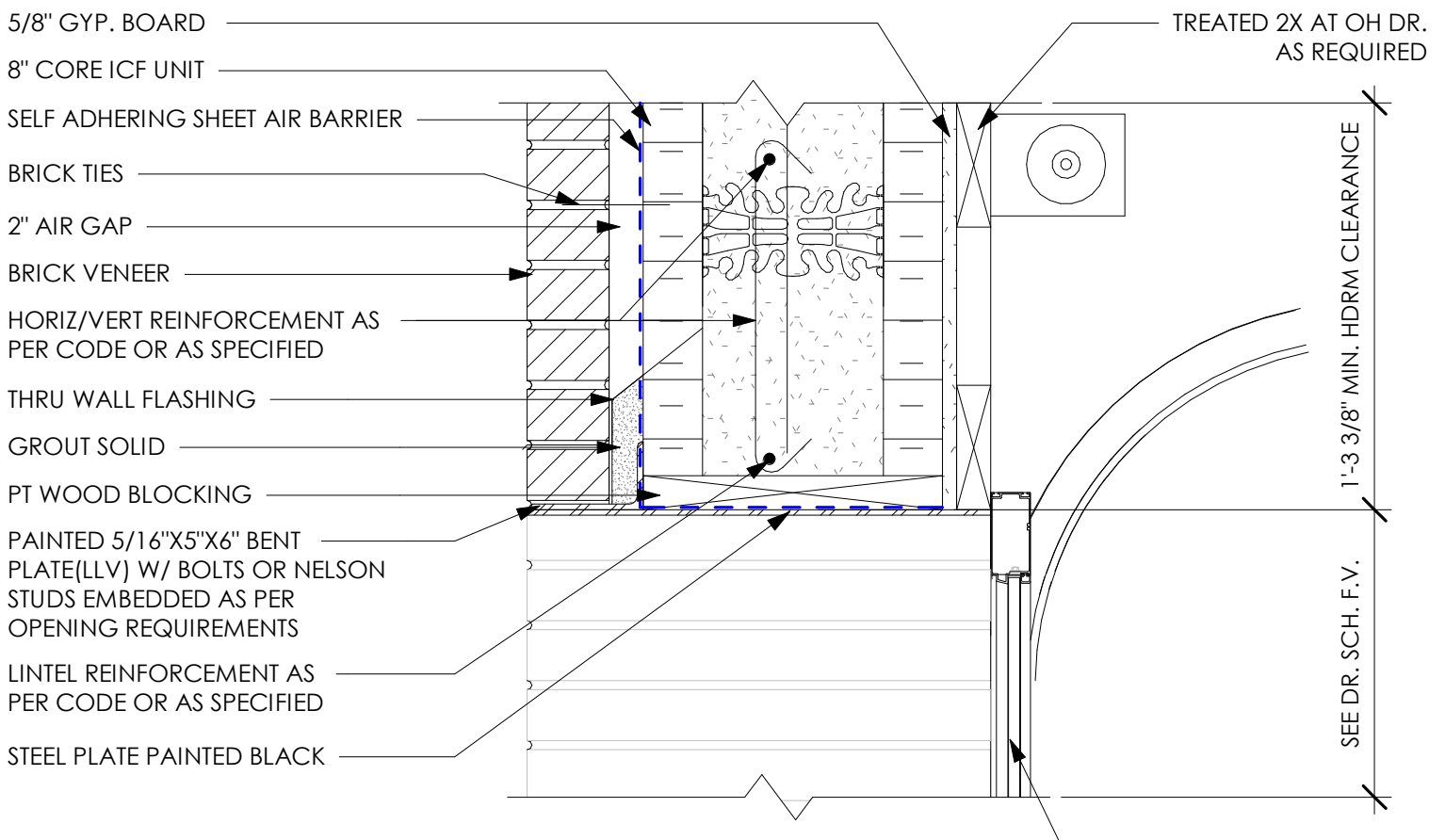
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1-1/2" = 1'-0"



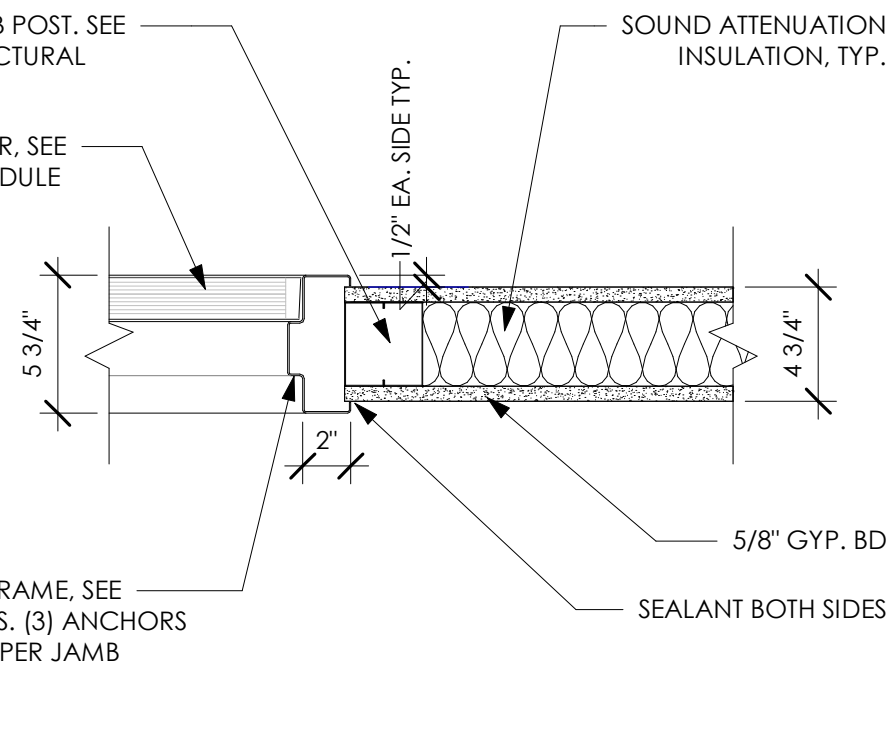
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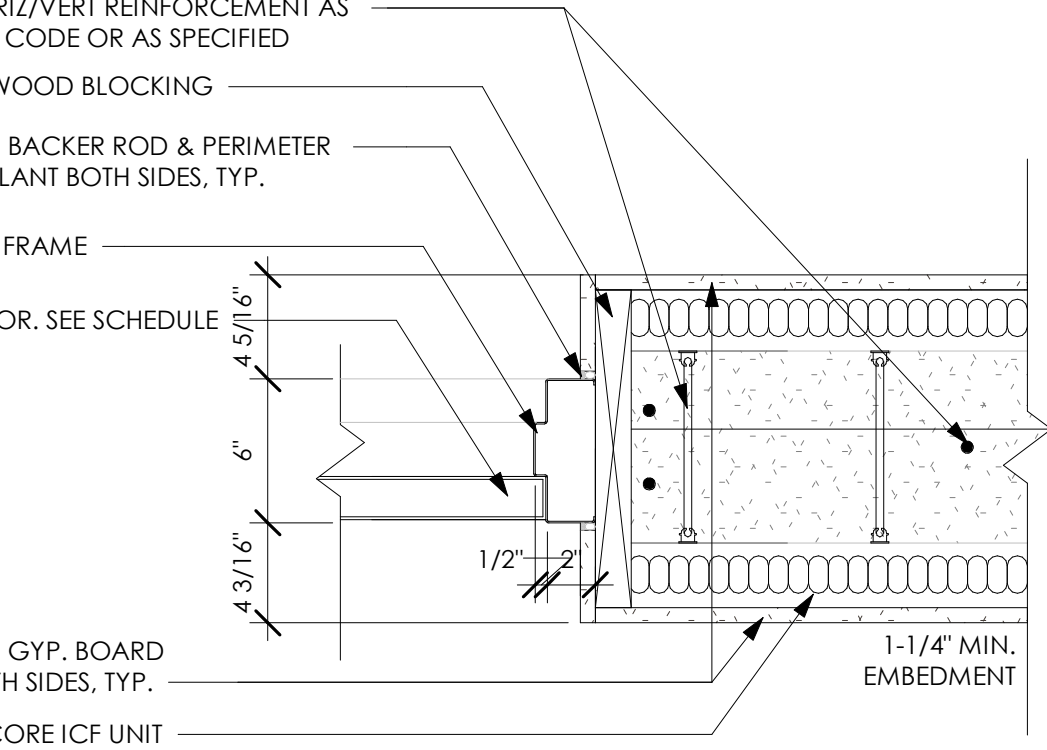
H4 HEAD DETAIL  
1-1/2" = 1'-0"



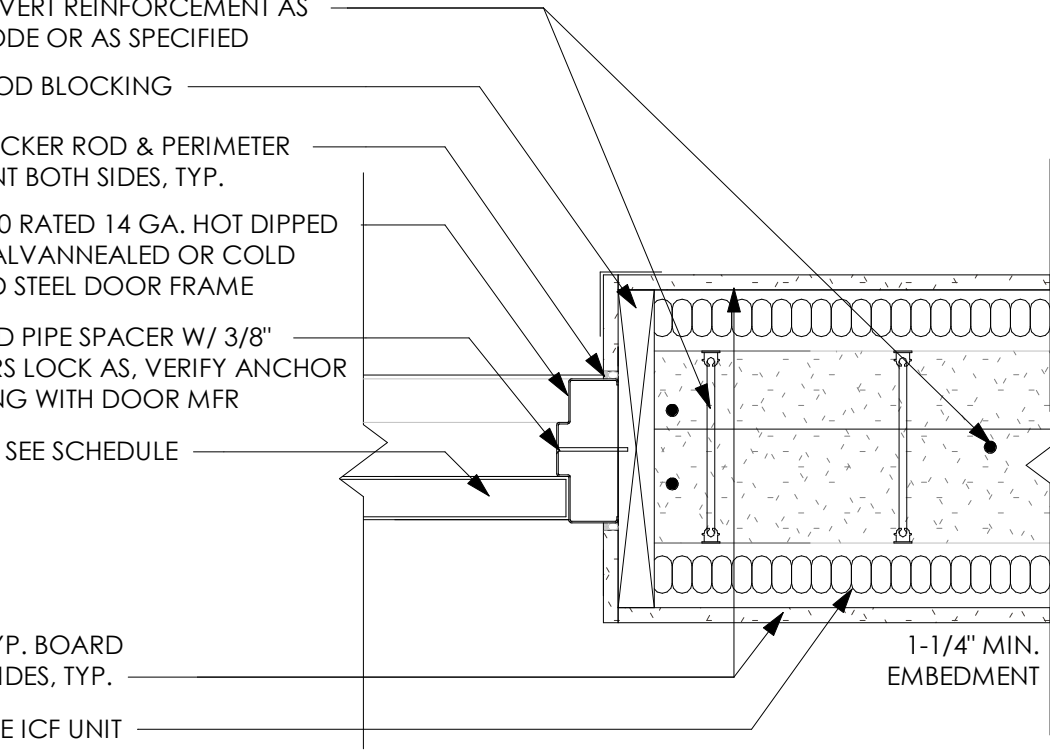
H5 HEAD DETAIL  
1-1/2" = 1'-0"



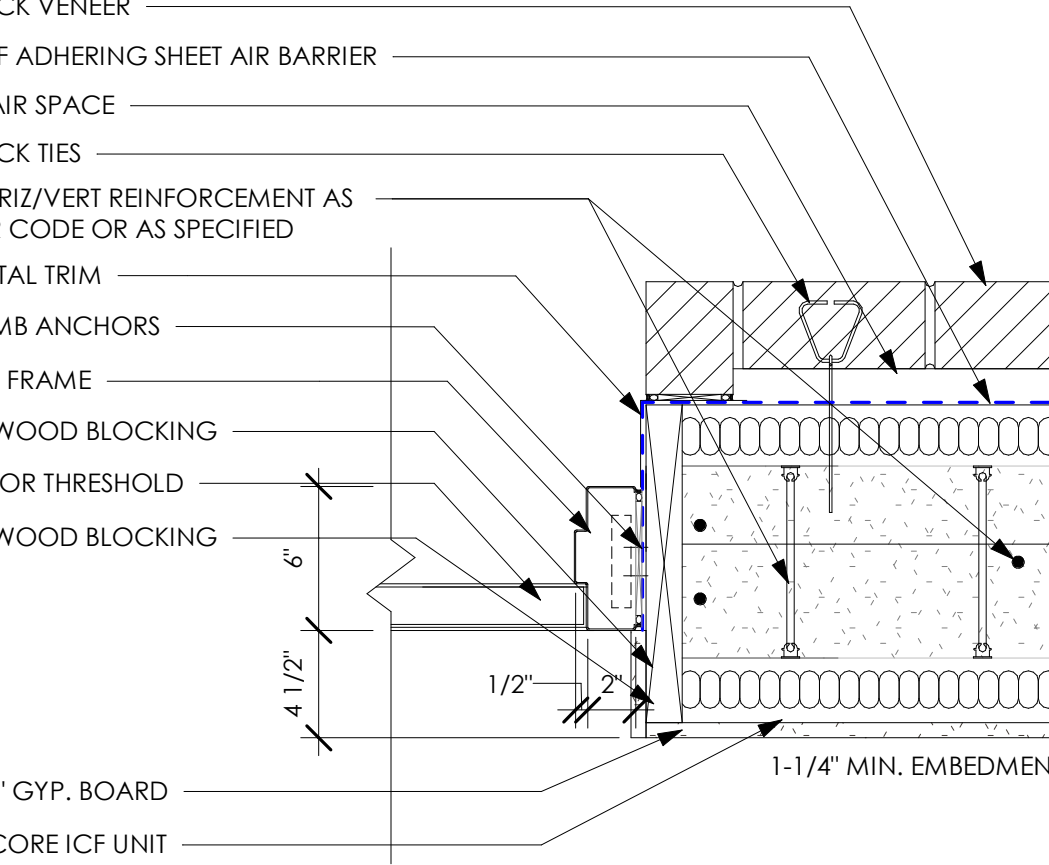
J1 JAMB DETAIL  
1-1/2" = 1'-0"



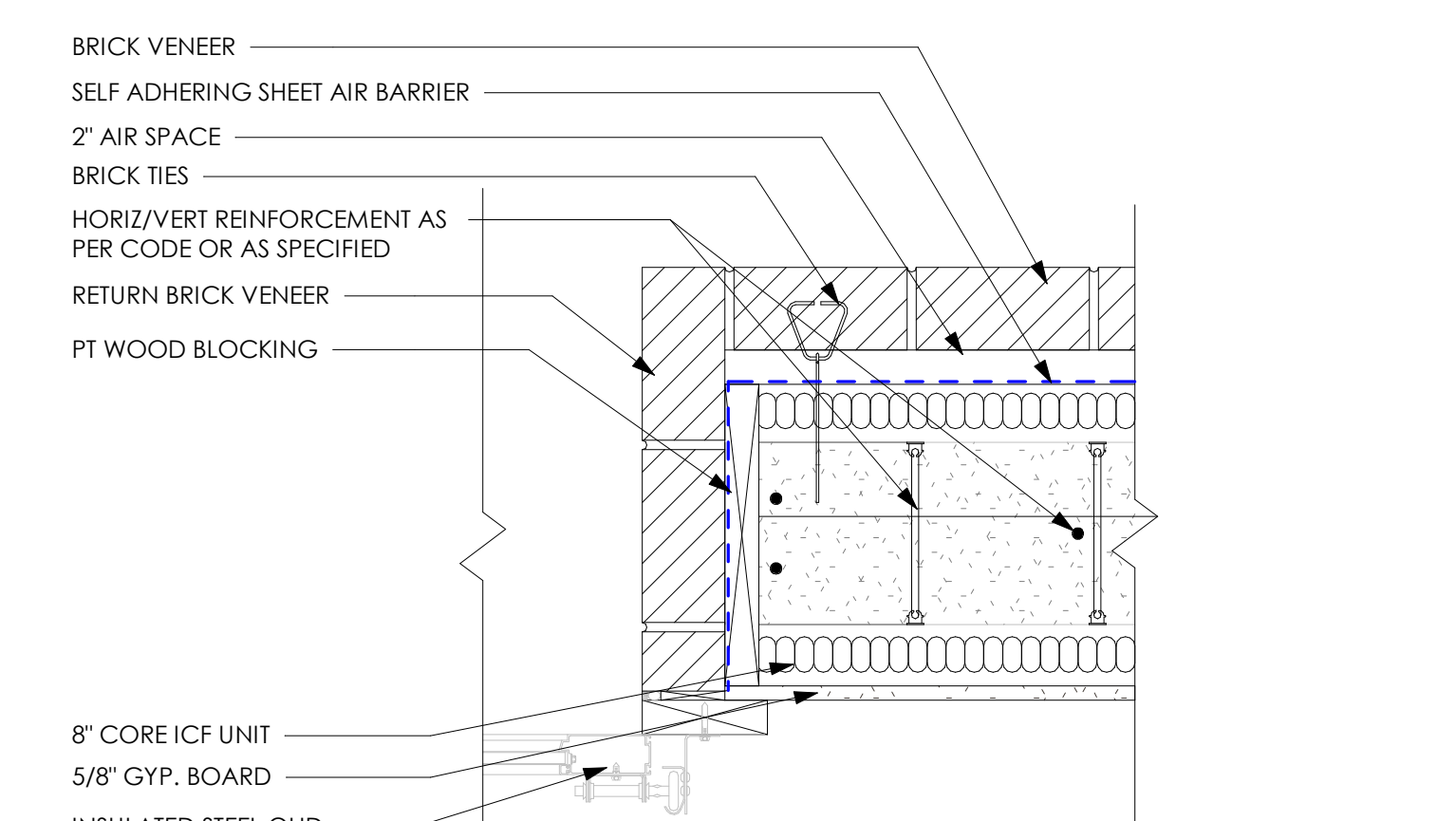
J2 JAMB DETAIL  
1-1/2" = 1'-0"



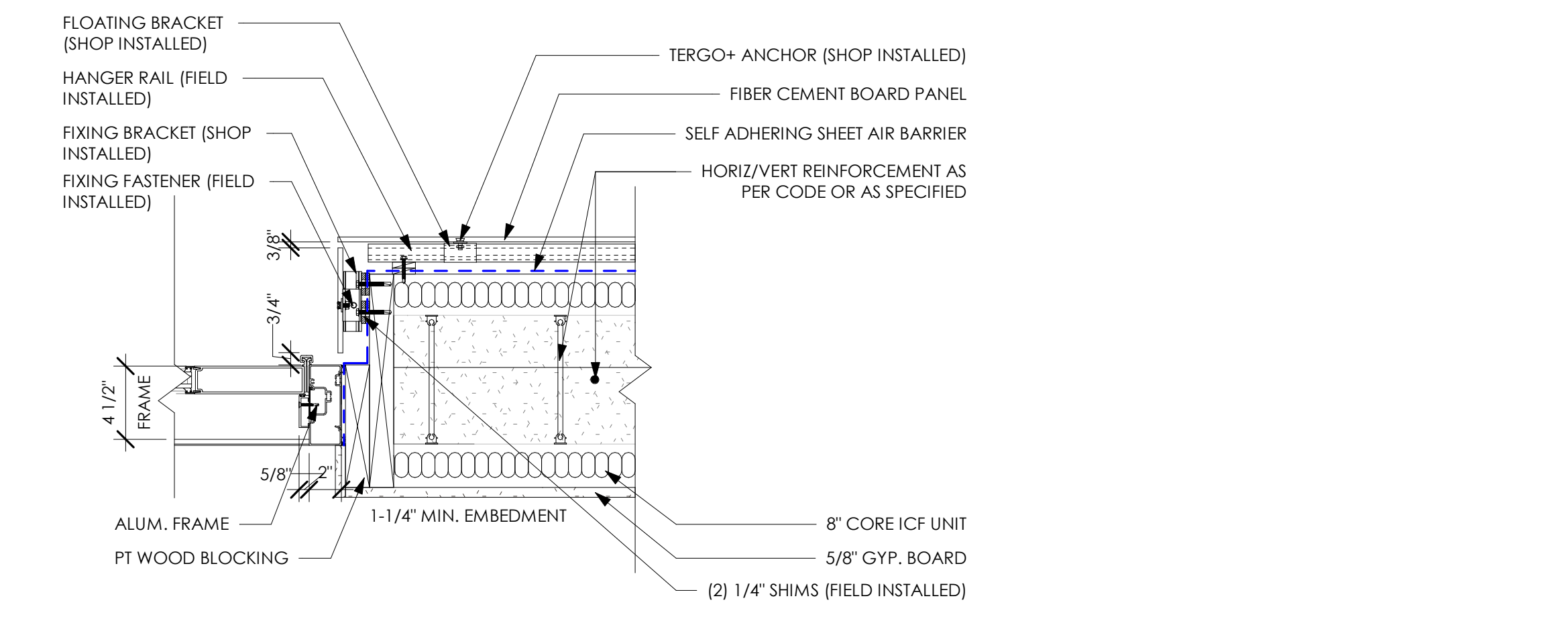
J3 JAMB DETAIL  
1-1/2" = 1'-0"



J4 JAMB DETAIL  
1-1/2" = 1'-0"



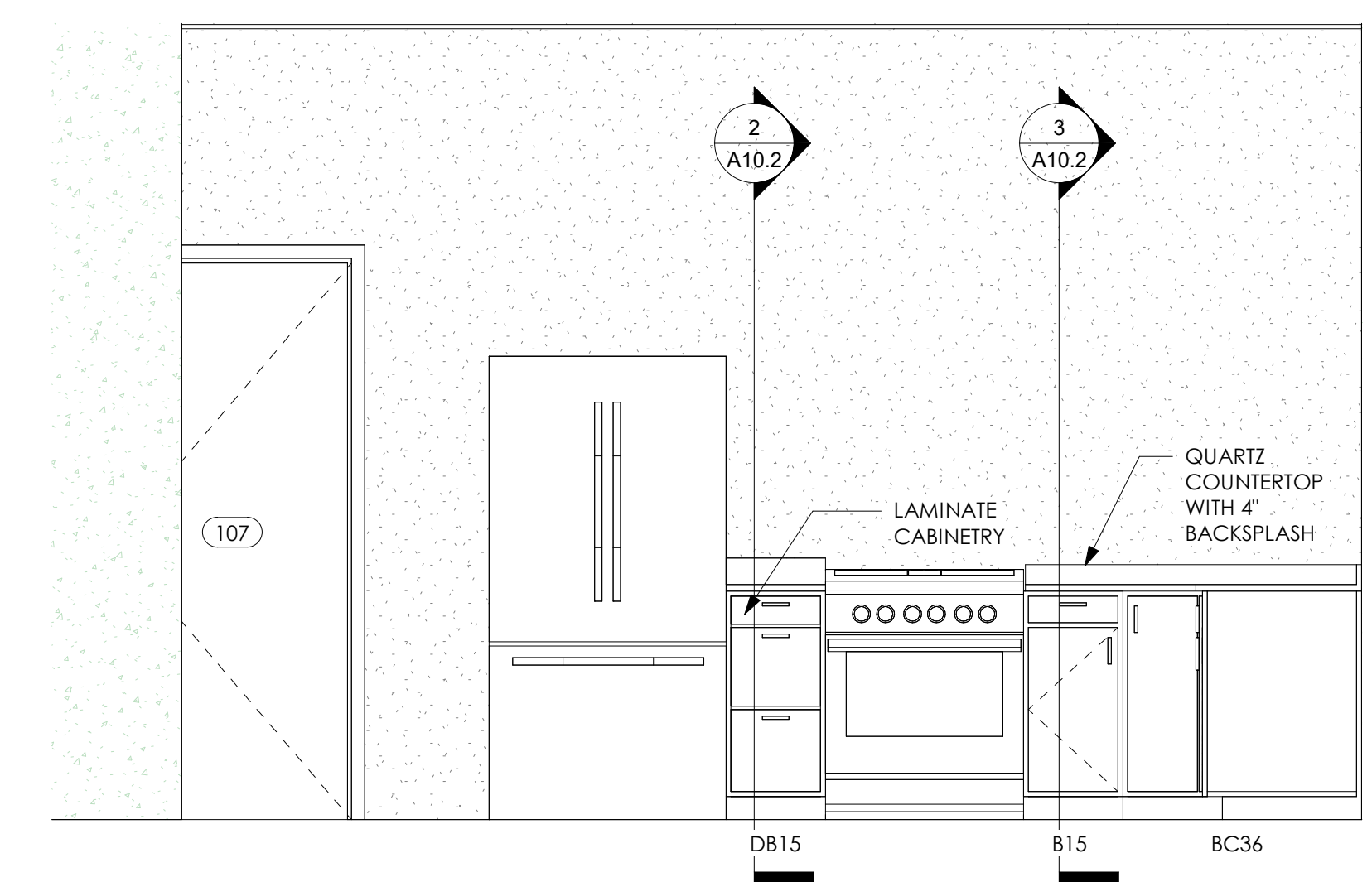
J5 JAMB DETAIL  
1-1/2" = 1'-0"



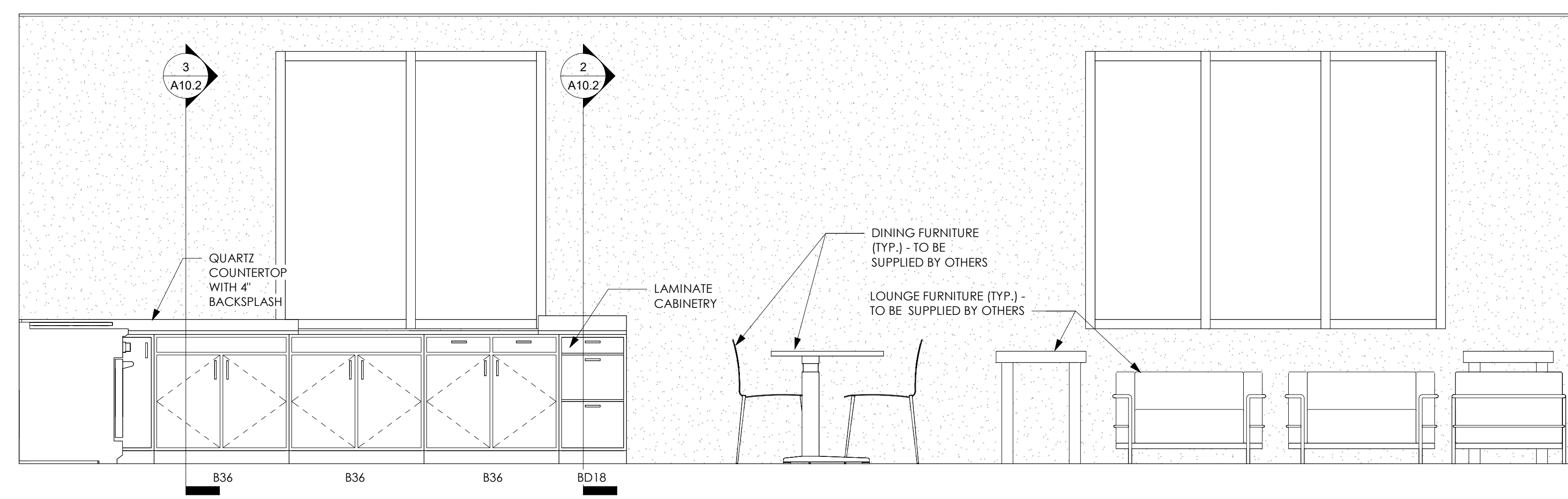
J6 JAMB DETAIL  
1-1/2" = 1'-0"

DATE	REVISION DESCRIPTION
11.15.2024	ADDENDUM 02
10.24.2024	ISSUED FOR BID

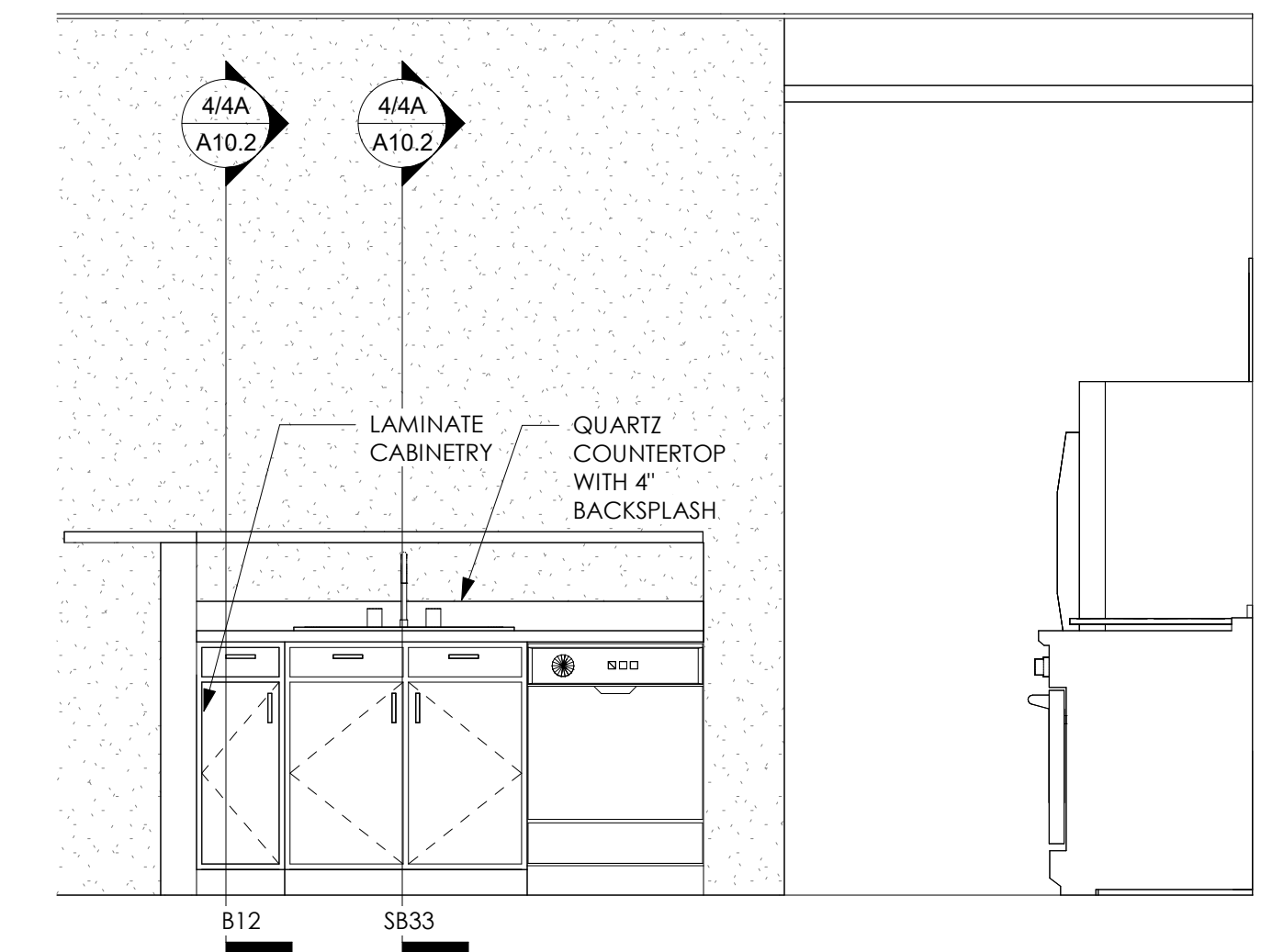
9  
6  
3  
0  
1/8" = 30'  
6  
3  
0  
1/8" = 20'  
0.5  
1  
1.2  
1  
0  
1/2" = 1'-0"  
2  
1  
0  
1/2" = 1'-0"  
3  
2  
1  
0  
3/4" = 1'-0"  
4  
3  
2  
1  
0  
1/2" = 1'-0"  
3  
2  
1  
0  
1/2" = 1'-0"  
8  
7  
6  
5  
4  
3  
2  
1  
0  
3/8" = 1'-0"



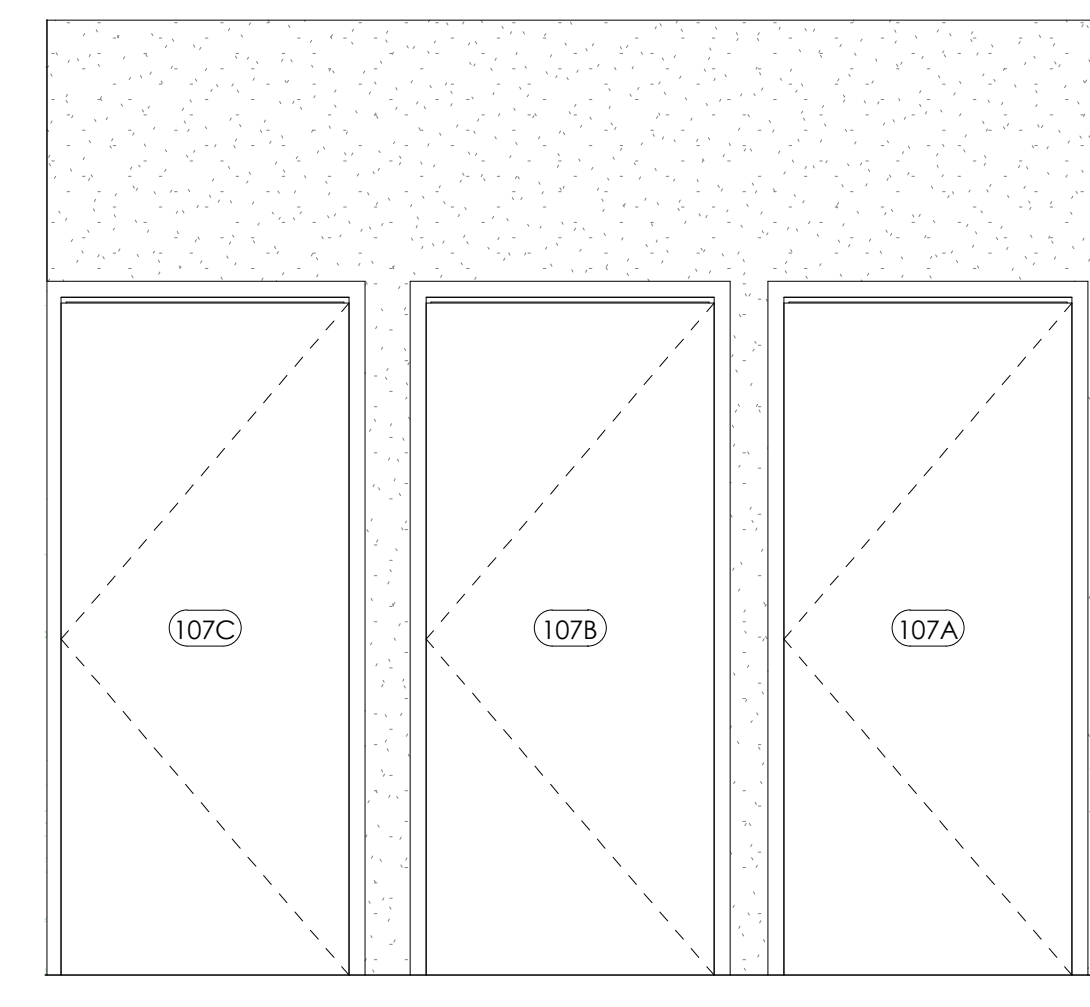
**1 KITCHEN**  
A10.1 1/2" = 1'-0"



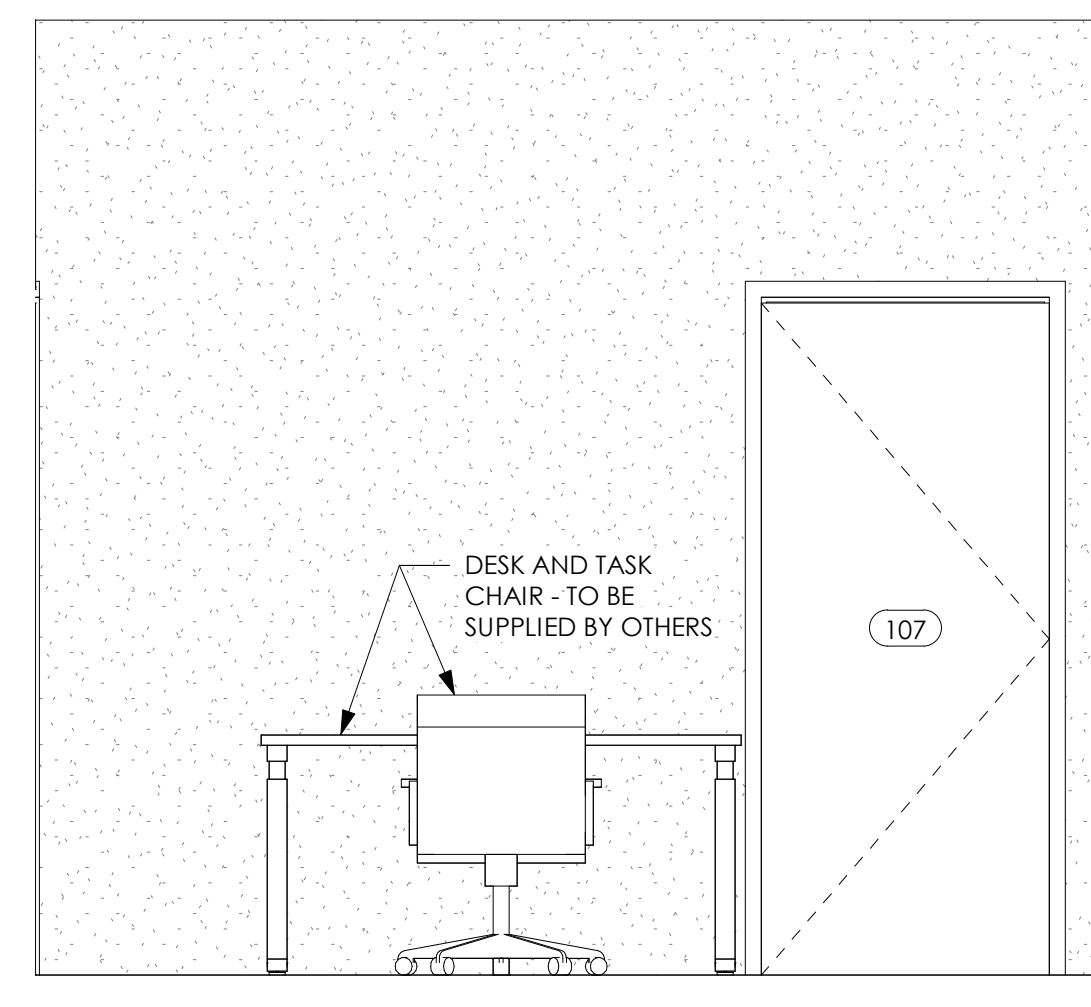
**2 KITCHEN / DAY ROOM**  
A10.1 1/2" = 1'-0"



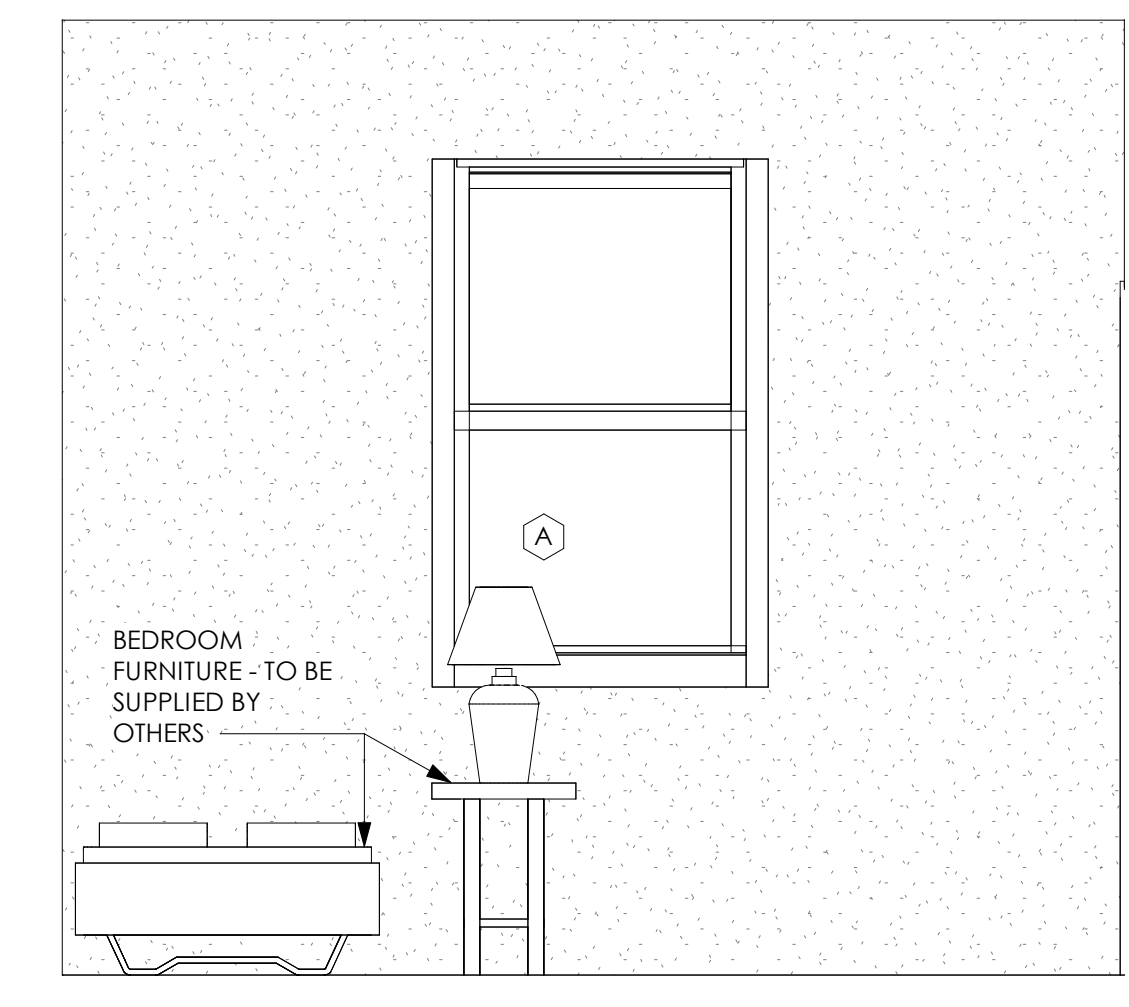
**3 KITCHEN**  
A10.1 1/2" = 1'-0"



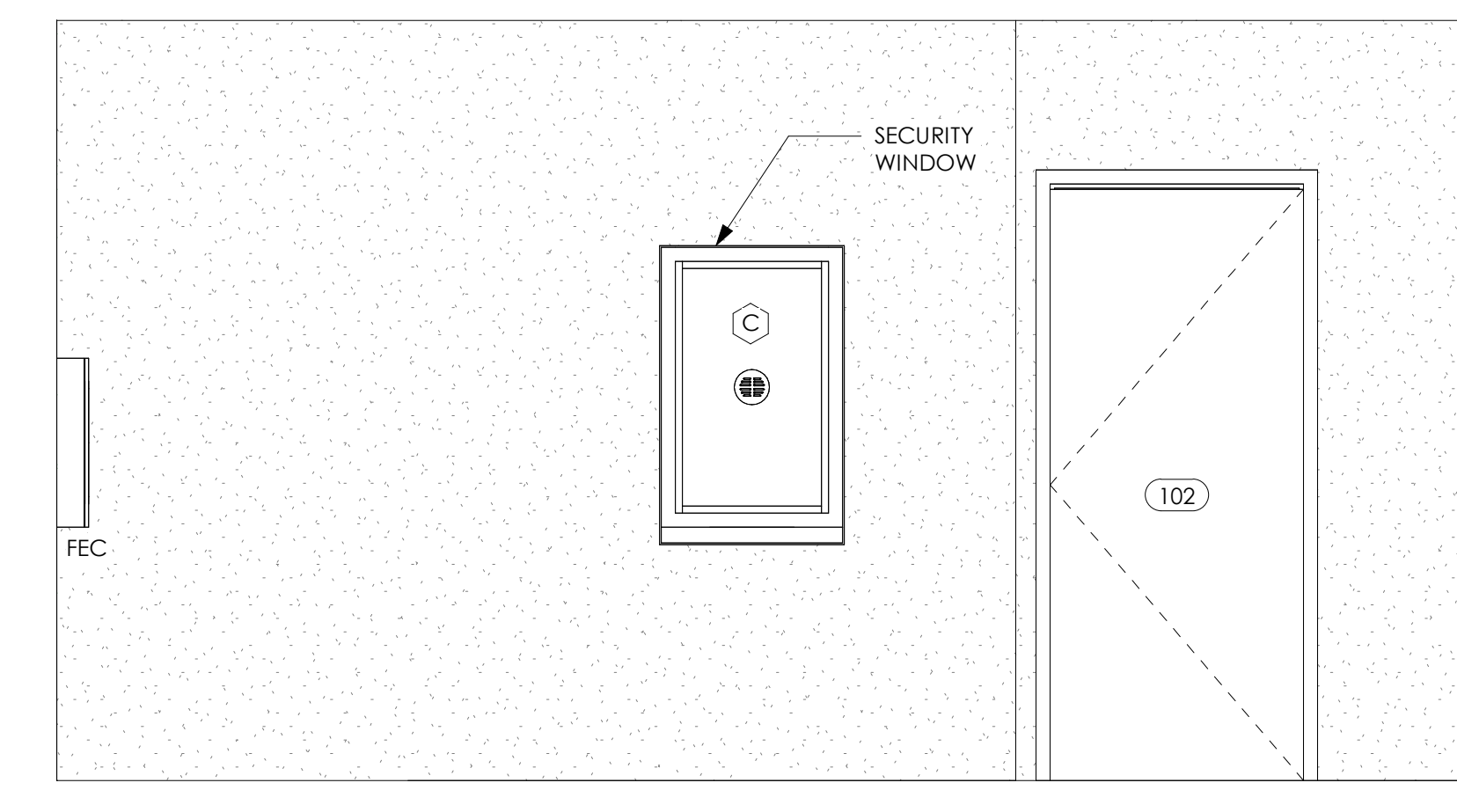
**4 TYPICAL BEDROOM**  
A10.1 1/2" = 1'-0"



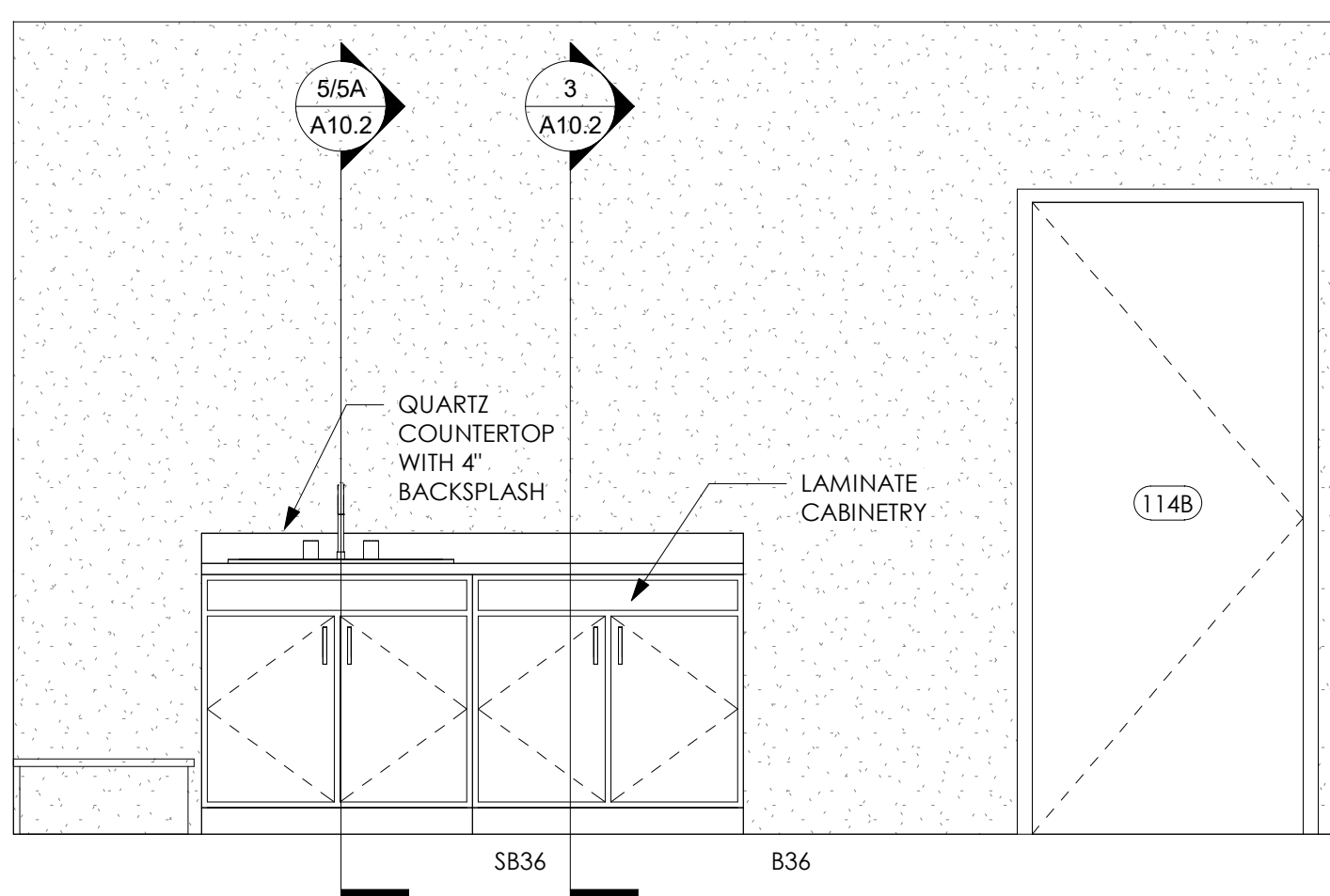
**5 TYPICAL BEDROOM**  
A10.1 1/2" = 1'-0"



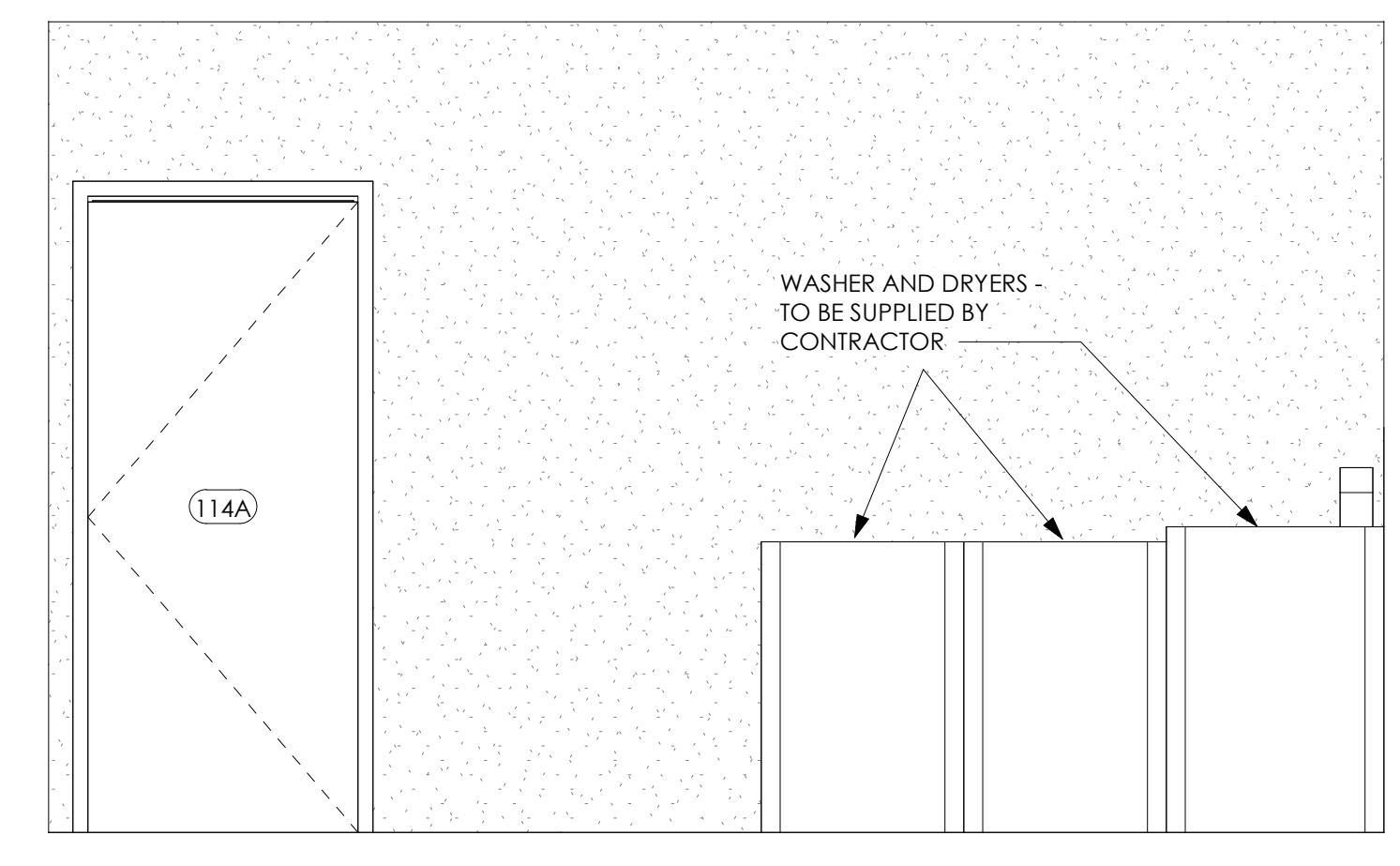
**6 TYPICAL BEDROOM**  
A10.1 1/2" = 1'-0"



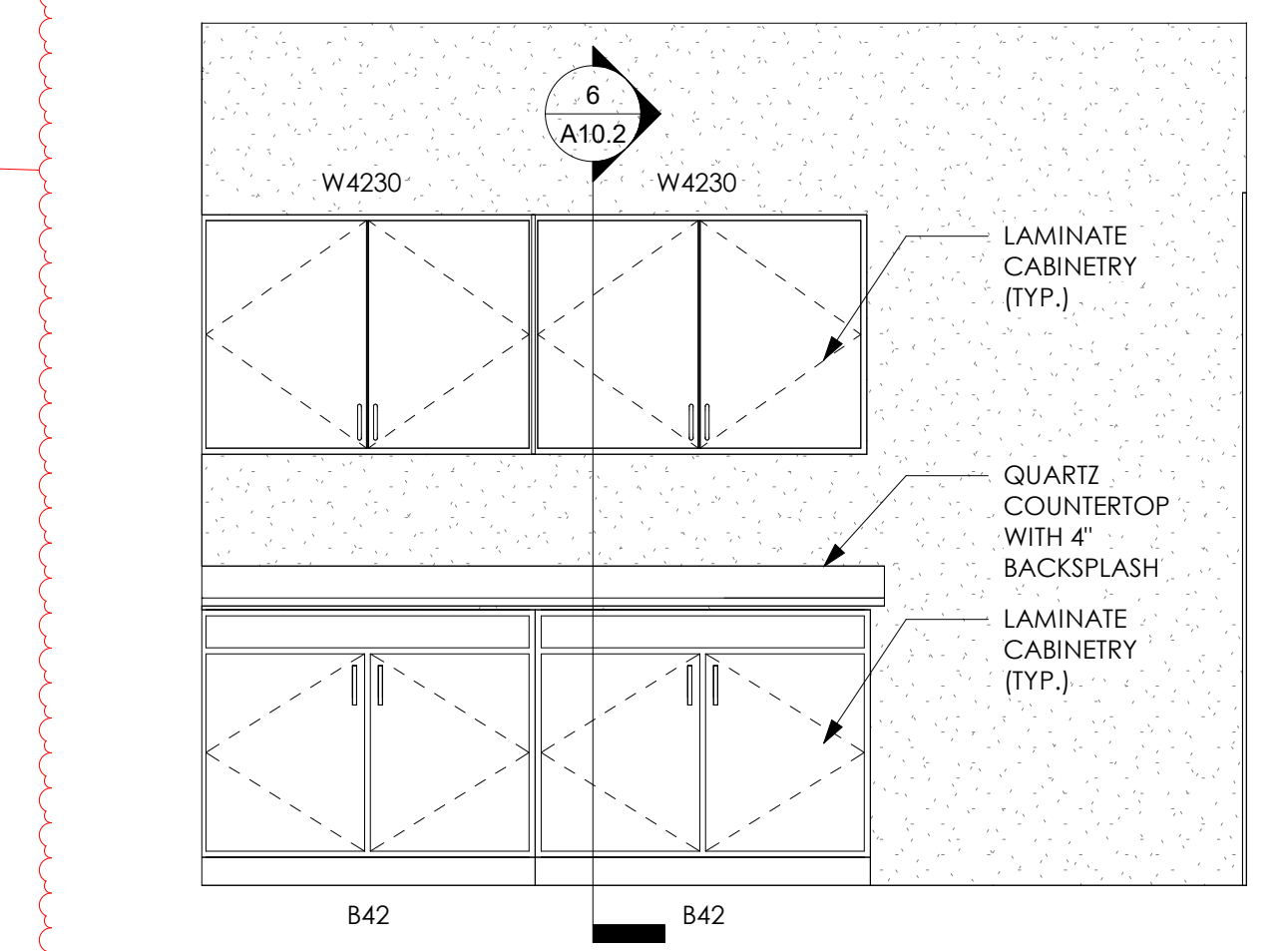
**7 EMS LOBBY**  
A10.1 1/2" = 1'-0"



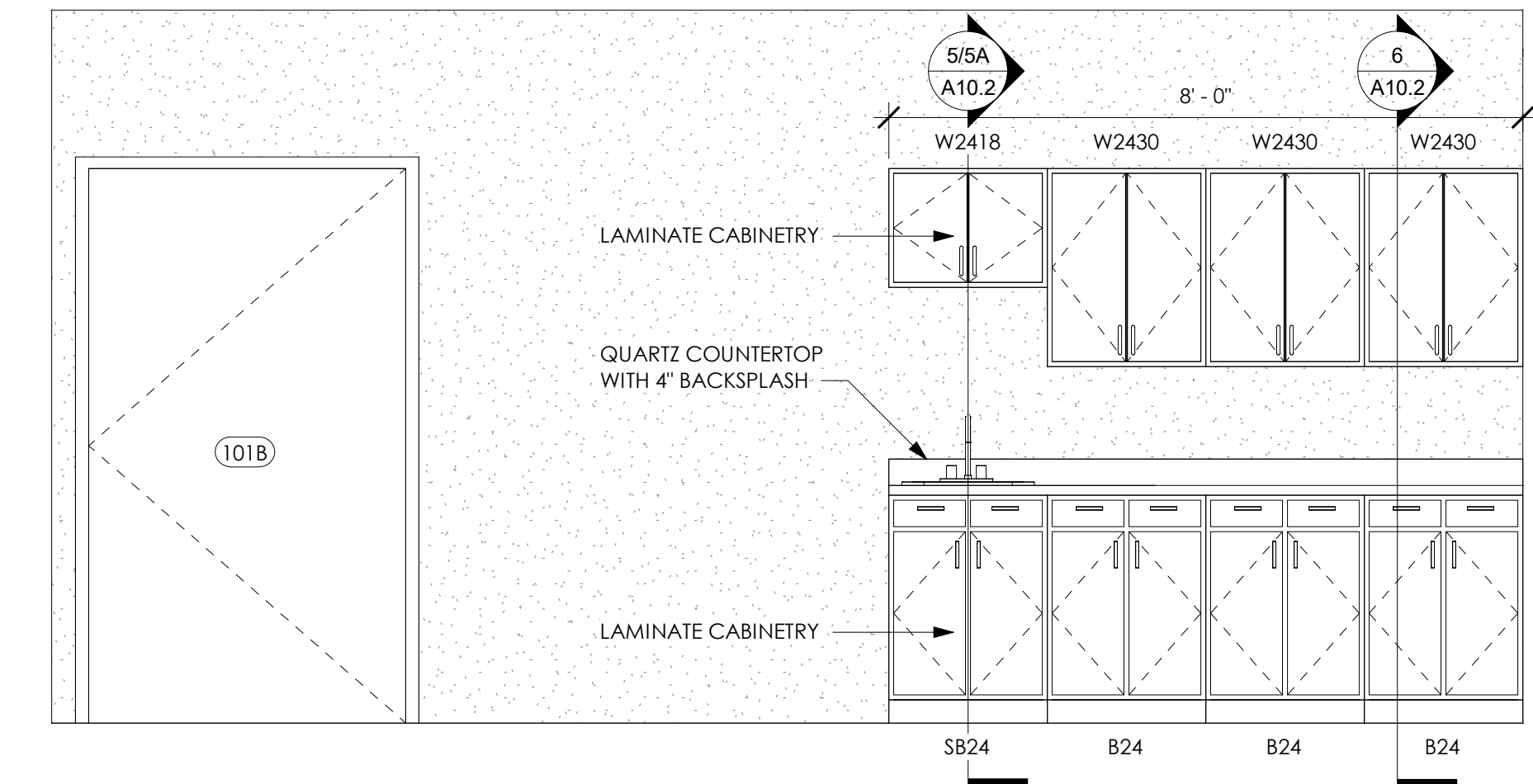
**8 LAUNDRY / UTILITY**  
A10.1 1/2" = 1'-0"



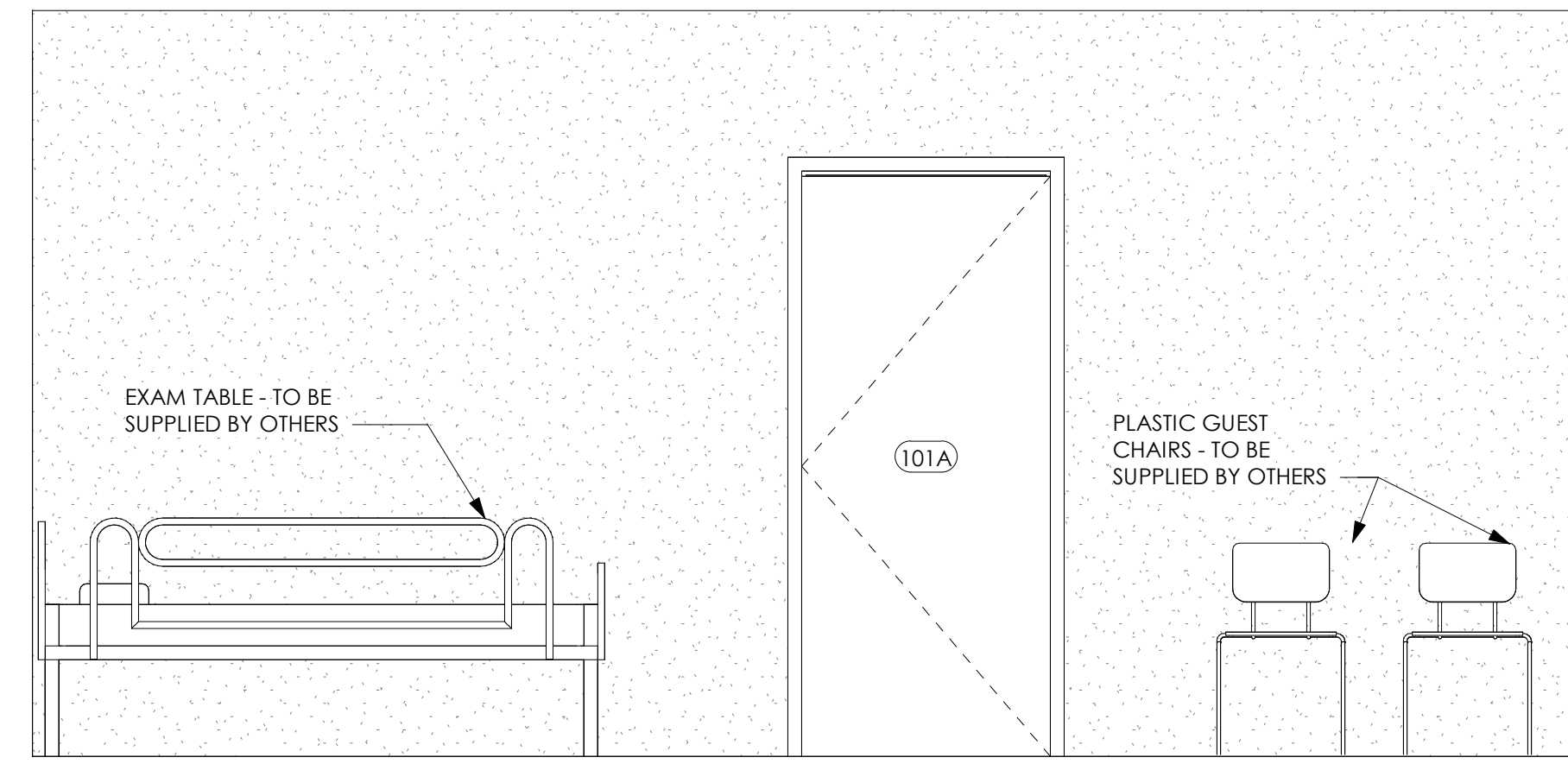
**9 LAUNDRY / UTILITY**  
A10.1 1/2" = 1'-0"



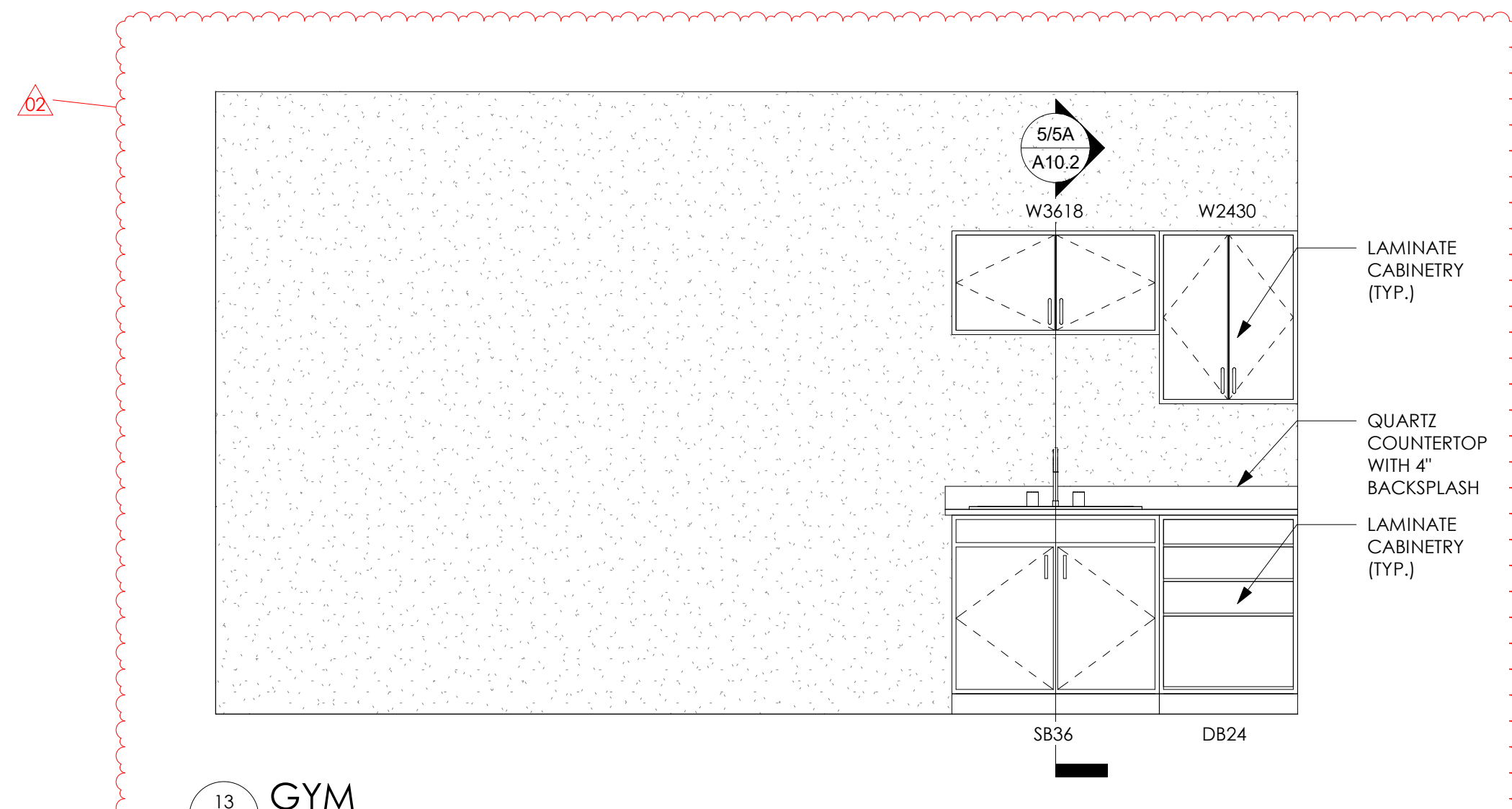
**10 RECEPTION/OFFICE**  
A10.1 1/2" = 1'-0"



**11 EXAM ROOM**  
A10.1 1/2" = 1'-0"



**12 EXAM ROOM**  
A10.1 1/2" = 1'-0"



**13 GYM**  
A10.1 1/2" = 1'-0"

PROJECT TITLE: SCEMS LIFE SQUAD 14

883 MAIN STREET  
GIBSONBURG, OHIO 43431

ISSUE FOR REVISION:

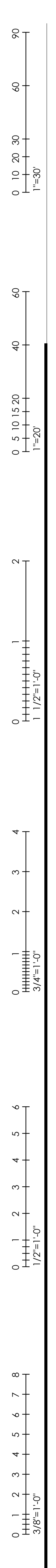
Date	Revision Description
11.15.2024	ADDENDUM 02
10.24.2024	ISSUED FOR BID

DESIGNED: EF/AM  
DRAWN: EF/AM  
CHECKED: AK

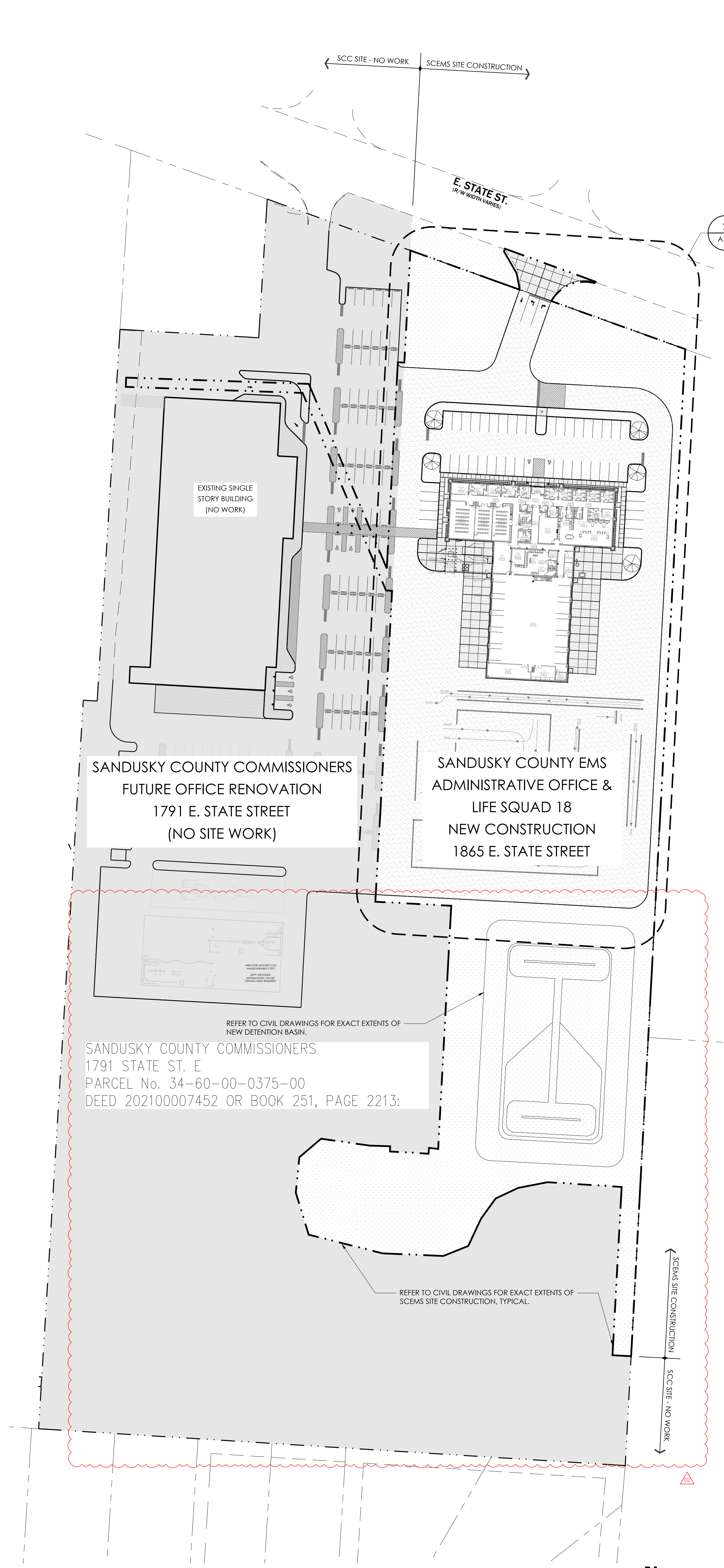
TPA COMMISSION NUMBER: 23007

DRAWING TITLE:  
**INTERIOR ELEVATIONS**

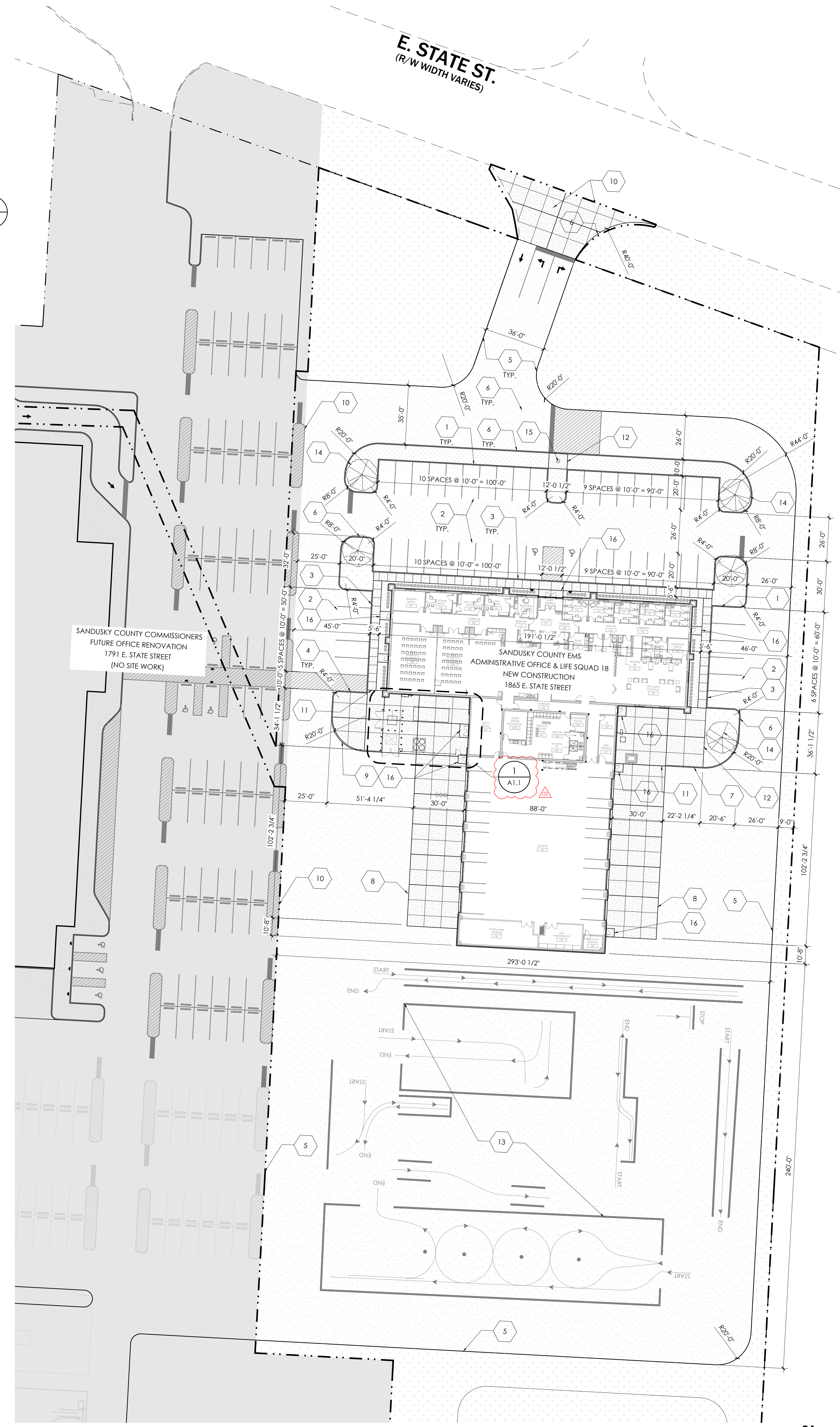
DRAWING NUMBER:  
**A10.1**



1 PROPOSED SITE OVERALL PLAN: 140 TOTAL PARKING SPACES  
A1.0 1" = 60'



2 PROPOSED SCEMS ADMIN OFFICE & LIFE SQUAD 18 SITE PLAN  
A1.0 1" = 30'



**SITE PLAN LEGEND:**

	NEW CONCRETE SURFACE. SEE DETAILS		GRADE, HYDROSEED AND WATER ALL DISTURBED AREAS OF SITE. TYPICAL THROUGHOUT OVERALL SITE AND ENTIRE PROJECT.
	NEW HEAVY DUTY PARKING LOT ASPHALT SURFACE. SEE DETAILS		RIVERBED GRAVEL, #34 OR #57. FINAL TYPE TO BE APPROVED BY OWNER REPRESENTATIVE OR ARCHITECT.
	NEW STANDARD DUTY ASPHALT SURFACE. SEE DETAILS		CONTROL JOINT
	NEW ALUMINUM FENCE AND SWING GATES AS NOTED AND SPECIFIED.		EXPANSION JOINT
	SITE SIGNAGE. SEE DETAILS		TRAFFIC CONTROL PAVEMENT MARKING. WHITE PAINT UNO
	TYPICAL PARKING SPACE PAVEMENT PARKING. WHITE PAINT UNO		INTEGRAL 6" CONCRETE CURBING
	DIRECTIONAL TRAFFIC CONTROL PAVEMENT PARKING. WHITE PAINT UNO		BABY GEM BOXWOOD SHRUB. 18" HGT. #3 CONT. ROOT. SPACED 4' O.C. SEE DETAIL 2/A1.1

**GENERAL SITE PLAN NOTES:**

1. THE LOCATION OF ALL UNDERGROUND UTILITIES IS APPROXIMATE. THE EXACT LOCATION OF ANY UNDERGROUND UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS, 1-800-362-2764) AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK. NON-MEMBERS MUST BE CALLED DIRECTLY.
2. EACH CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF A DISCREPANCY IS FOUND BETWEEN THE DIMENSIONS GIVEN IN EACH DISCIPLINE DRAWING AND ACTUAL DIMENSIONS IN THE FIELD.
3. ALL LAYOUT TO BE BY A REGISTERED SURVEYOR OR ENGINEER. THE OWNER'S REPRESENTATIVE WILL REVIEW THE LAYOUT FOR GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO COORDINATE STAGING AREA WITH OWNER REPRESENTATIVE PRIOR TO MOBILIZING.
5. ALL DEMOLITION MATERIAL TO BE DISPOSED OF LEGALLY, OFF SITE, UNLESS SPECIFICALLY NOTED OTHERWISE.
6. CONTRACTOR MUST MAINTAIN ACCESS TO SITE AT ALL TIMES.
7. CONTRACTOR TO INSURE POSITIVE DRAINAGE ACROSS ALL SURFACES.
8. FINE GRADE AND SEED OR MULCH AREAS DISTURBED BY CONSTRUCTION.
9. CONFIRM ALL EXISTING & PROPOSED GRADES PRIOR TO ANY CONSTRUCTION.
10. ALL PROPOSED GRADES ARE TO MEET AND BLEND WITH EXISTING GRADES AT LIMIT OF WORK.
11. ALL EXCESS CUT MATERIAL SHALL BE STOCKPILED IN A OWNER SPECIFIED LOCATION FOR THE DURATION OF CONSTRUCTION, AND THEN REMOVED/HAULED OFF SITE AND DISPOSED OF LEGALLY AT THE COMPLETION OF THE PROJECT UNLESS NOTED OTHERWISE.
12. THE SITE SHALL BE KEPT TIDY AND CLEAR OF MISCELLANEOUS CONSTRUCTION DEBRIS AT THE END OF EACH WORKING DAY. THE SITE SHALL BE CLEARED OF ALL DEBRIS AT THE COMPLETION OF THE PROJECT.
13. REMOVE ALL EXCESS DEBRIS FROM THE PROJECT SITE. SWEEP CLEAN ALL PAVED / FINISHED SURFACES PERIODICALLY AND AT END OF PROJECT.

**KEYED SITE PLAN NOTES**

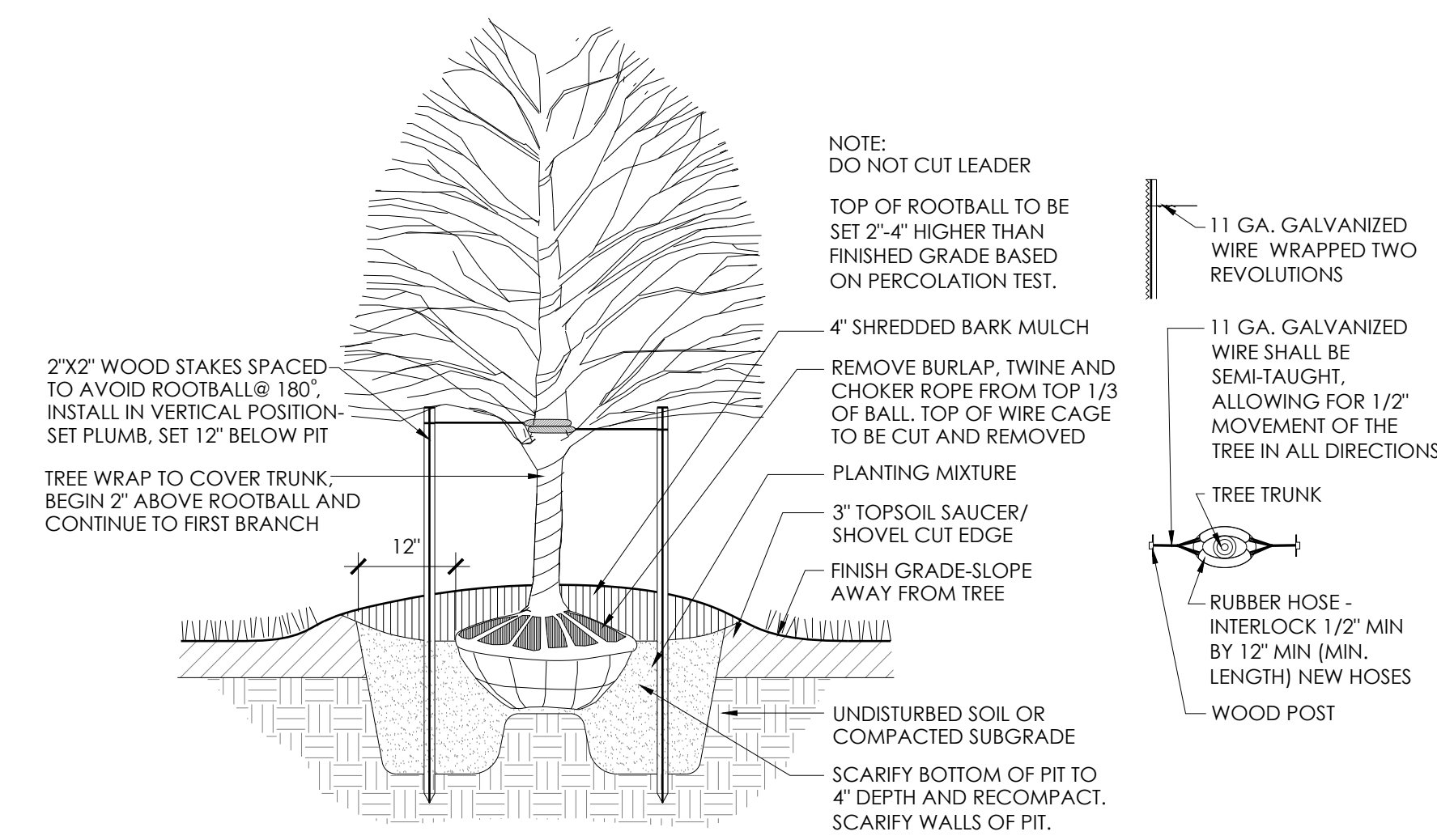
- 1 STANDARD DUTY ASPHALT PAVING / CONCRETE CURB TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 2 STANDARD DUTY ASPHALT PAVING / HEAVY DUTY ASPHALT PAVING TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 3 STANDARD DUTY ASPHALT PAVING / STANDARD DUTY CONCRETE PAVING W/ INTEGRAL CURB TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 4 STANDARD DUTY ASPHALT PAVING / HEAVY DUTY CONCRETE PAVING W/ INTEGRAL CURB TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 5 HEAVY DUTY ASPHALT PAVING / ADJACENT GRADE TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 6 HEAVY DUTY ASPHALT PAVING / CONCRETE CURB TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 7 HEAVY DUTY ASPHALT PAVING / STANDARD DUTY CONCRETE PAVING W/ INTEGRAL CURB TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 8 HEAVY DUTY ASPHALT PAVING / HEAVY DUTY CONCRETE PAVING TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 9 HEAVY DUTY ASPHALT PAVING / HEAVY DUTY CONCRETE PAVING W/ INTEGRAL CURB TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 10 HEAVY DUTY ASPHALT PAVING / EXISTING ASPHALT PAVING TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 11 STANDARD DUTY CONCRETE PAVING / HEAVY DUTY CONCRETE PAVING TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 12 STANDARD DUTY CONCRETE PAVING / ADJACENT GRADE TRANSITION, REFER TO CIVIL DRAWINGS FOR PAVEMENT SECTION DETAILS.
- 13 EMS DRIVER TRAINING COURSE PAVEMENT MARKINGS, WHITE PAINT UNO. CONTRACTOR TO SUBMIT PAVEMENT PARKING LAYOUT FOR OWNER / ARCHITECT APPROVAL PRIOR TO INSTALLATION.
- 14 NEW DECIDUOUS TREE. SEE DETAIL 3/A1.1 FOR PLANTING INSTRUCTIONS.
- 15 GROUNDSET FLAG POLE. SEE SPECIFICATIONS.
- 16 CONCRETE STOOP AT EXTERIOR PEDESTRIAN DOOR. SEE STRUCTURAL DRAWINGS FOR DETAILS.

PROJECT TITLE:

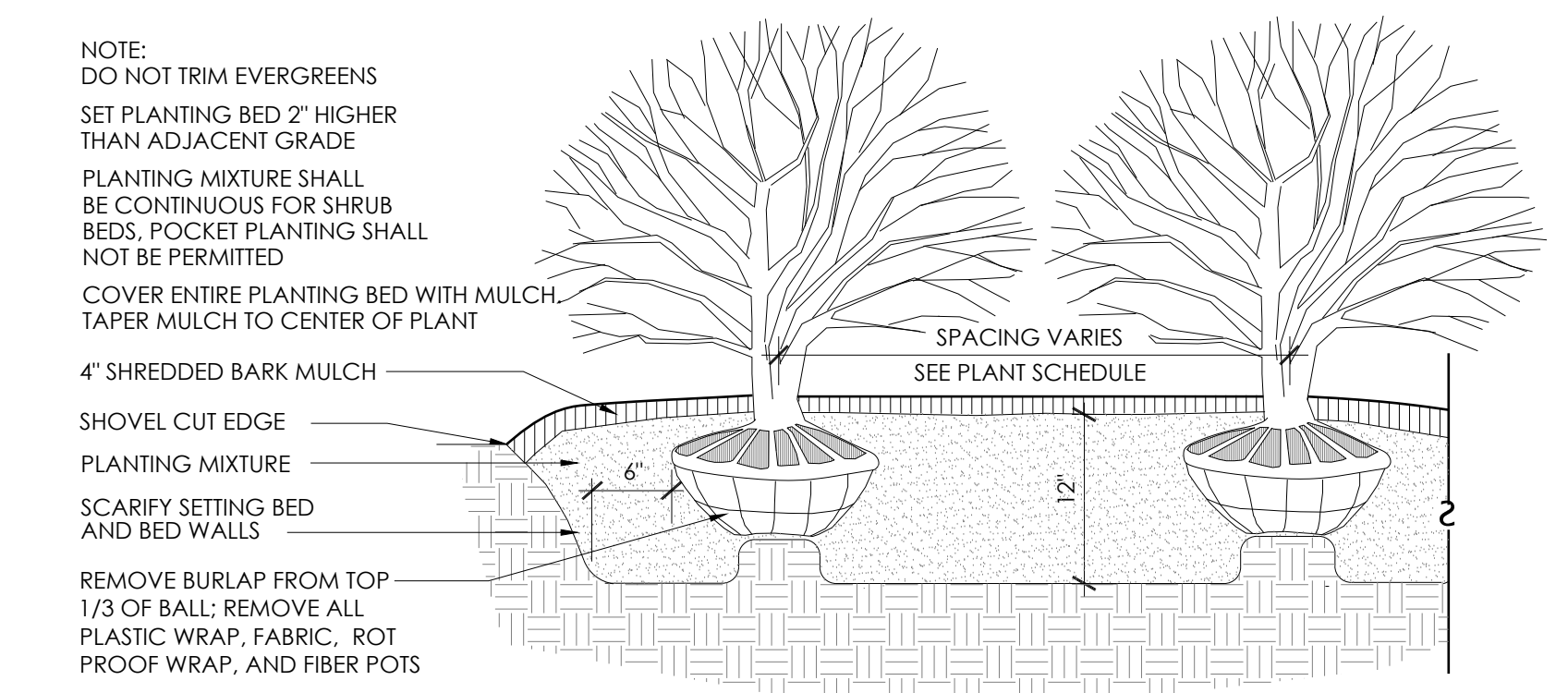
ISSUE OR REVISION:	
11.15.2024	ADDENDUM 02
10.24.2024	BID SET
DATE	ISSUE / REVISION
DESIGNED:	ARK
DRAWN:	ARK
CHECKED:	ARK
TRA COMMISSION NUMBER:	22009

**PROPOSED SITE PLAN**

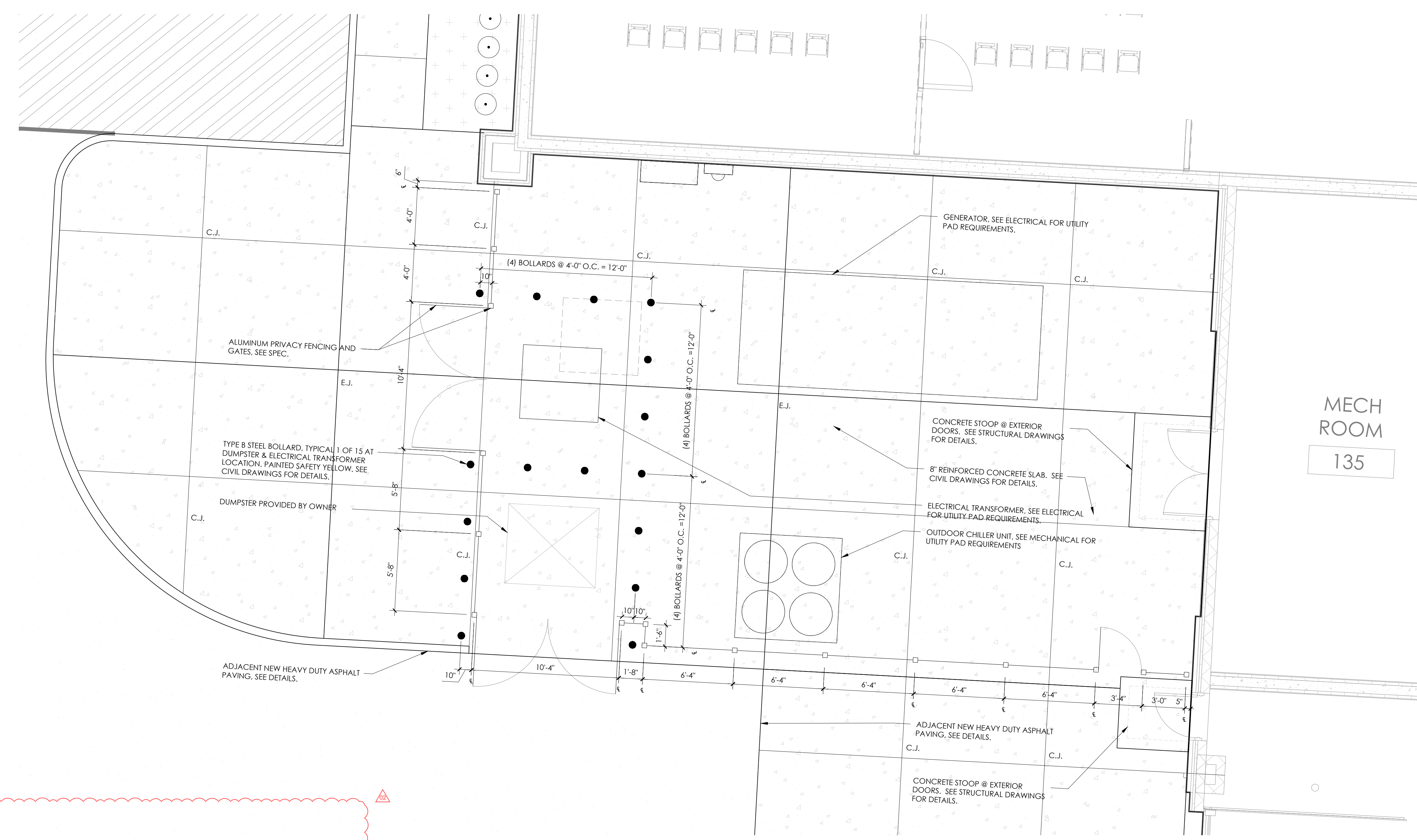
90  
60  
30  
0 10 20 30  
1"=30'  
60  
40  
20  
0 5 10 15 20  
1"=20'  
2  
1  
0 1 2 3 4  
1/4"=1'-0"  
0 1 2 3 4 5 6  
3/8"=1'-0"  
0 1 2 3 4 5 6 7 8  
1/2"=1'-0"  
0 1 2 3 4 5 6 7 8  
3/8"=1'-0"



**3 TREE PLANTING DETAIL**  
A1.1 N.T.S.



**2 SHRUB DETAIL**  
A1.1 N.T.S.



**1 ENLARGED MECHANICAL YARD PLAN**  
A1.1 1/4"=1'-0"

PROJECT TITLE:  
**SANDUSKY COUNTY EMS**  
**ADMINISTRATIVE OFFICES & LIFE SQUAD 18 NEW CONSTRUCTION**  
1865 EAST STATE STREET  
FREMONT, OH 43420

ISSUE OR REVISION:

11.15.2024	ADDENDUM 02	▲
10.24.2024	BID SET	

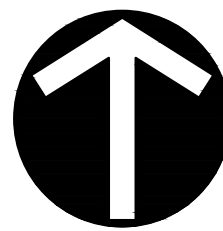
DATE: \_\_\_\_\_ ISSUE / REVISION: \_\_\_\_\_

DESIGNED: ARK  
DRAWN: ARK  
CHECKED: ARK

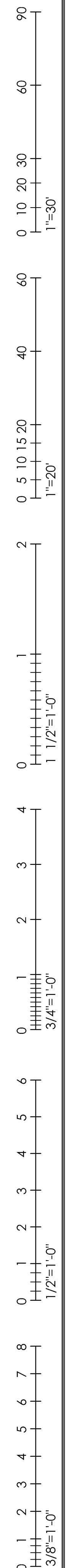
TRA COMMISSION NUMBER: **22009**

DRAWING TITLE:  
**SITE DETAILS**

DRAWING NUMBER:  
**A1.1**



NORTH



8 North St. Clair - Toledo, Ohio 43604-1028  
T 419.243.2400  
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**CEC** One SeaGate  
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Maumee, Ohio 43537  
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Fax: (419) 893-0687

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**SANDUSKY COUNTY EMS**  
**ADMIN OFFICE & LIFE SQUAD 18**  
**NEW CONSTRUCTION**  
1865 EAST STATE STREET  
FREMONT, OH 43420

PROJECT TITLE:

ISSUE OR REVISION:

11.15.2024	BID ADDENDUM 2
10.24.2024	BID DRAWINGS
DATE	ISSUE / REVISION

DESIGNED: -  
DRAWN: -  
CHECKED: -

TPA COMMISSION NUMBER: **22009**

DRAWING TITLE:  
**SITE DEMOLITION PLAN**

BID DRAWINGS  
DRAWING NUMBER:  
**C1.0**

**STORM PIPE REMOVAL NOTE:**  
THE ENTIRE EXTENT OF PIPING IS NOT KNOWN AND WILL REQUIRE THE CONTRACTOR TO INVESTIGATE THE ULTIMATE EXTENT OF ALL PIPES PRIOR TO REMOVAL. PIPES LABELED TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY WITHIN THE PROJECT LIMITS. IF PORTIONS OF PIPE ARE DEEMED ACCEPTABLE TO REMAIN IN PLACE, THEY SHALL BE PLUGGED AND GROUTED FULL WITH PRIOR APPROVAL FROM THE PROJECT ENGINEER. THE CONTRACTOR SHALL PROVIDE UNIT PRICING TO REMOVE PIPING

**NOTE:**  
CONTRACTOR TO EXCAVATE TRENCH IN THE GENERAL LOCATION SHOWN IN ORDER TO DETERMINE THE LOCATION OF STORM SEWER LINE PARALLELING THE OVERHEAD ELECTRICAL LINE RUNNING NORTHWEST TO SOUTHEAST ON THE SOUTHERN PORTION OF SITE. CONTRACTOR SHALL REPORT FINDINGS TO ENGINEER FOR VERIFICATION AND DIRECTION ON HOW TO TIE EXISTING STORM SEWER TO OUTFALL OF PROPOSED DETENTION BASIN

**SITE DEMOLITION LEGEND**

1	PAVEMENT TO BE REMOVED
2	LIGHT POLE AND BASE TO BE REMOVED
3	STORM SEWER & PIPING TO BE REMOVED
4	STORM STRUCTURE TO BE REMOVED
5	CURB TO BE REMOVED
6	SAWCUT A NEAT LINE
7	CLEAR AND GRUB ALL TREES, SHRUBS, STUMPS

**UNDERGROUND UTILITIES**  
UNDERGROUND UTILITIES AS SHOWN WERE LOCATED IN THE FIELD AND/OR TAKEN FROM VARIOUS DEPARTMENT RECORDS. THE LOCATIONS ARE AS ACCURATE AS WE CAN CONFIRM FROM SURFACE MANIFESTATIONS (E.G. VALVES, MANHOLES, ETC.), BUT NO EXCAVATION WAS DONE BY ESA ENGINEERS, SURVEYORS AND ASSOCIATES, LLC. THE EXACT LOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR(S). BE SURE TO CALL THE OHIO UTILITIES PROTECTION SERVICE BEFORE STARTING ANY EXCAVATION AT 811.

**SURVEYOR NOTE:**  
SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

**EXISTING SEWER NOTE:**  
THE INVERTS AND PIPE SIZES SHOWN FOR THE EXISTING SEWERS ARE AS BEST DETERMINED WITHOUT ENTERING THE UTILITY STRUCTURES. THESE ELEVATIONS ARE AS ACCURATE AS WE CAN CONFIRM FROM SURFACE MANIFESTATIONS (E.G. VALVES, MANHOLES, ETC.), BUT NO EXCAVATION WAS DONE BY ESA ENGINEERS, SURVEYORS AND ASSOCIATES, LLC. THE EXACT LOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR(S). BE SURE TO CALL THE OHIO UTILITIES PROTECTION SERVICE BEFORE STARTING ANY EXCAVATION AT 811.

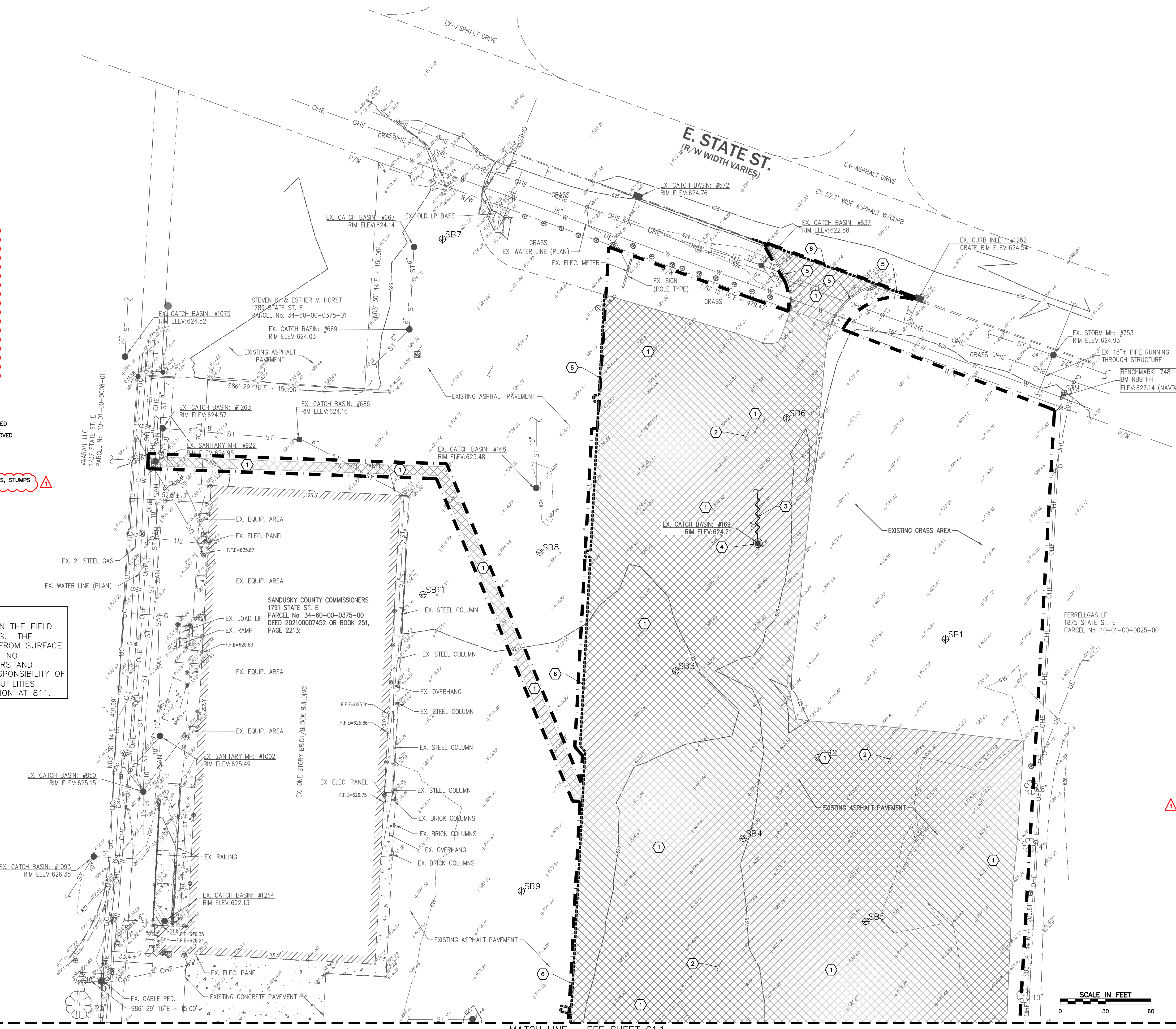
**NOTES:**

- NO EXISTING DRAWINGS WERE AVAILABLE FOR THIS SITE AND ITS PREVIOUS IMPROVEMENTS, THEREFORE, EXISTING UTILITIES AND STORM DRAINAGE ARE SHOWN BASED ON VISIBLE OBSERVATIONS ONLY.
- THIS IS NOT A BOUNDARY SURVEY, PROPERTY LINES ARE APPROXIMATE AND SHOWN FROM RETRACING EXISTING IRONS FOUND ALONG WITH RECORD DEED.

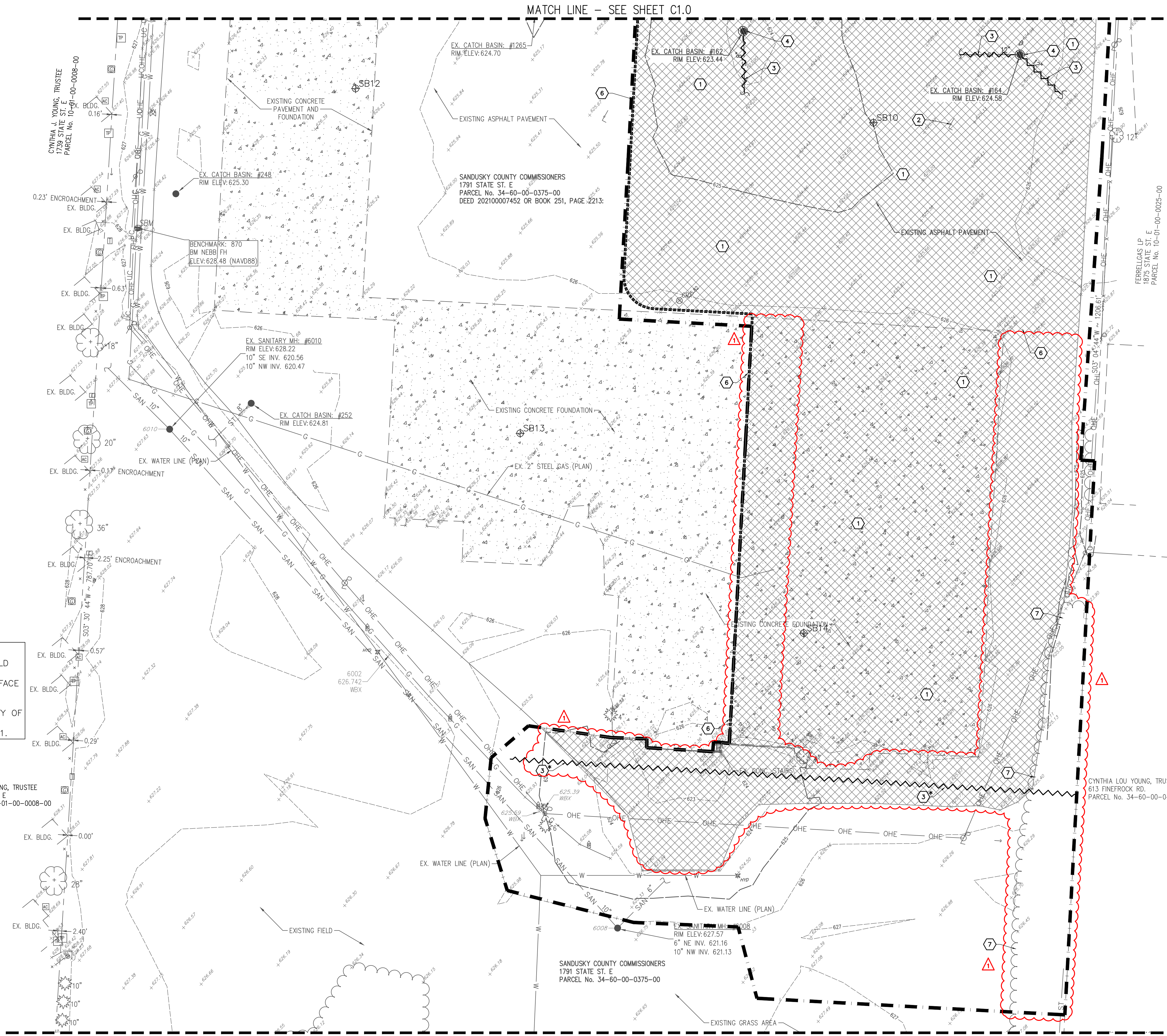
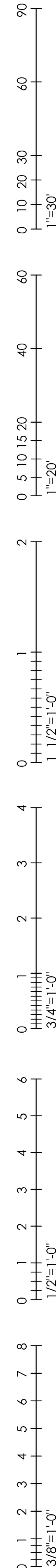


**REFERENCE**

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MATCH LINE - SEE SHEET C1.1



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- SITE DEMOLITION LEGEND**
- 1 [Hatched Pattern] PAVEMENT TO BE REMOVED
  - 2 [Dashed Line] LIGHT POLE AND BASE TO BE REMOVED
  - 3 [Wavy Line] STORM SEWER & PIPING TO BE REMOVED
  - 4 [Circle with X] STORM STRUCTURE TO BE REMOVED
  - 5 [Dotted Pattern] CURB TO BE REMOVED
  - 6 [Dashed Line] SAWCUT A NEAT LINE
  - 7 [Red Dashed Line] CLEAR AND GRUB ALL TREES, SHRUBS, STUMPS

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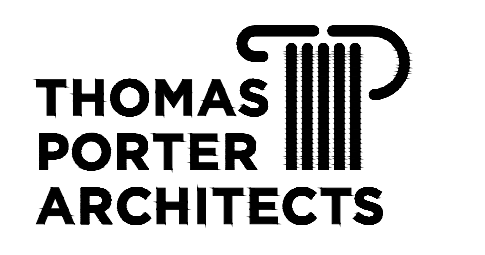
**SURVEYOR NOTE:**  
 SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

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**SEAL:**

Professional Engineer Seal for Cynthia Lou Young, State of Ohio, No. 48712.

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**ISSUE OR REVISION:**

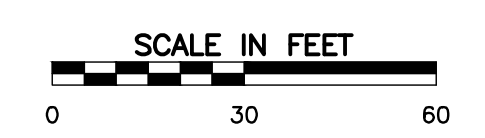
DATE	ISSUE / REVISION
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10.24.2024	BID DRAWINGS

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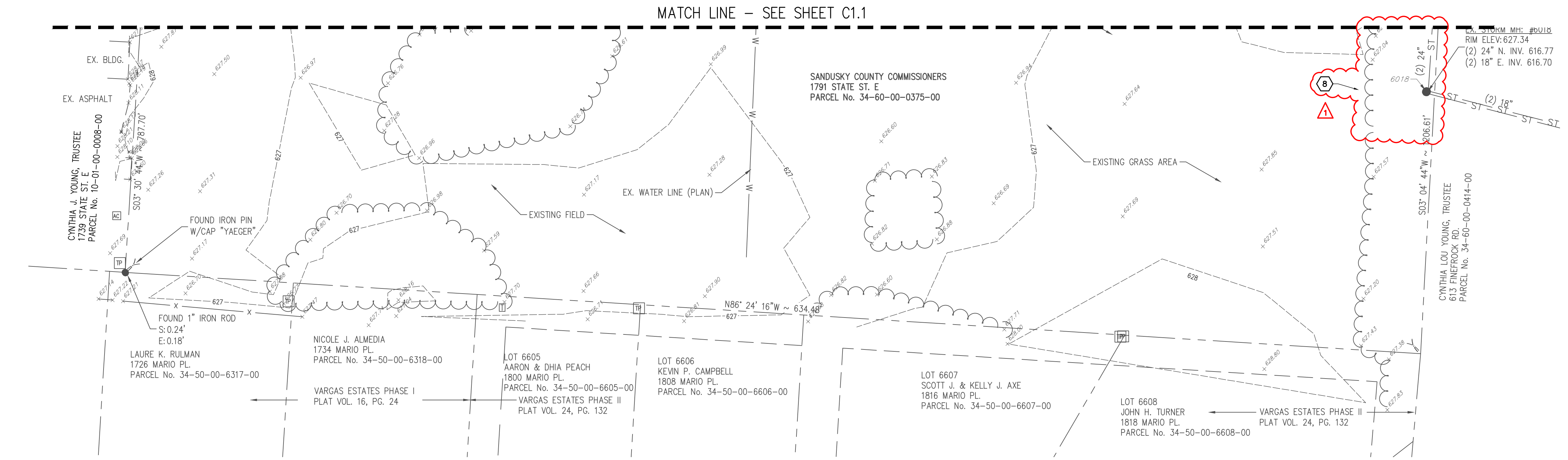
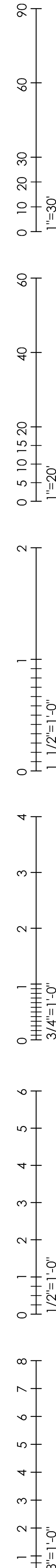
TPA COMMISSION NUMBER: **22009**  
 DRAWING TITLE:  
**SITE DEMOLITION PLAN**

**BID DRAWINGS**  
 DRAWING NUMBER:

**C1.1**







EXISTING UTILITY STRUCTURE SCHEDULE						
STRUCTURE TYPE	ID	RIM	PIPE SIZE	PIPE MATERIAL	DIRECTION	INVERT
EX CATCH BASIN	162	623.44	8"	VIT	S	621.44
EX CATCH BASIN	164	624.58	12"	RCP	W	620.68
		624.58	12"	RCP	SE	620.68
EX CATCH BASIN	168	623.48	10"	RCP	N	621.68
EX CATCH BASIN	169	624.21	10"	RCP	N	621.56
EX CATCH BASIN	248	625.30	SUMP	CANT OPEN		619.90
EX CATCH BASIN	252	624.81	8"	PVC	SW	622.31
EX CURB INLET	572	624.76	SUMP			620.21
EX CATCH BASIN	667	624.14	6"	PVC	S	621.84
EX CATCH BASIN	669	624.03	6"	PVC	N	621.43
		624.03	6"	PVC	SW	621.43
EX CATCH BASIN	686	624.16	6"	PVC	SE	621.91
		624.16	8"	PVC	W	621.71
EX STORM MANHOLE	753	624.93	24"	CPP	W	618.58
		624.93	24"	CPP	E	618.58
		624.93	15"?	STEEL	N&S	619.13
EX CATCH BASIN	837	622.88	12"	RCP	W	618.13
		622.88	15"	RCP	E	618.03
EX CATCH BASIN	850	625.15	24"	RCP	S	620.20
		625.15	8"	PVC	NW	620.50
		625.15	10"	RCP	NE	620.20
EX SANITARY MANHOLE	922	624.95	10"	VIT	N	618.30
		624.95	10"	VIT	S	618.40
		624.95	8"	PVC	W	619.55
EX SANITARY MANHOLE	1002	625.49	10"	VIT	N	618.84
		625.49	10"	VIT	S	618.94
		625.49	8"	VIT	SW	618.99
EX CATCH BASIN	1075	624.52	10"	RCP	N	619.52
EX CATCH BASIN	1093	626.35	10"	RCP	E	622.00
		626.35	10"	RCP	SW	622.05
EX CURB INLET	1262	624.54	12"	RCP	S	620.29
EX CATCH BASIN	1263	624.57	8"	PVC	N	621.17
		624.57	8"	PVC	E	621.17
		624.57	8"	PVC	S	621.17
EX CATCH BASIN	1264	622.13	6"	PVC	W	621.18
EX CATCH BASIN	1265	624.70	4"	PVC	W	622.70

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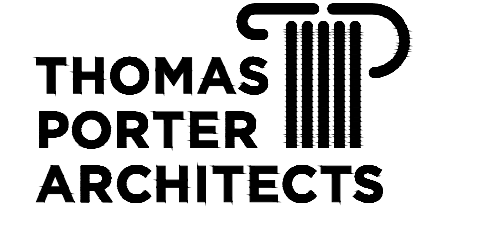
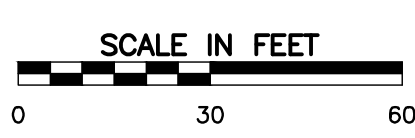
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PROJECT TITLE:  
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 11.15.2024 BID ADDENDUM 2  
 10.24.2024 BID DRAWINGS  
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 TPA COMMISSION NUMBER: **22009**  
 DRAWING TITLE:  
**SITE DEMOLITION PLAN**

**BID DRAWINGS**  
 DRAWING NUMBER:  
**C1.2**



90  
60  
30  
0 10 20 30  
1"=30'

60  
40  
20  
0 5 10 15 20  
1"=20'

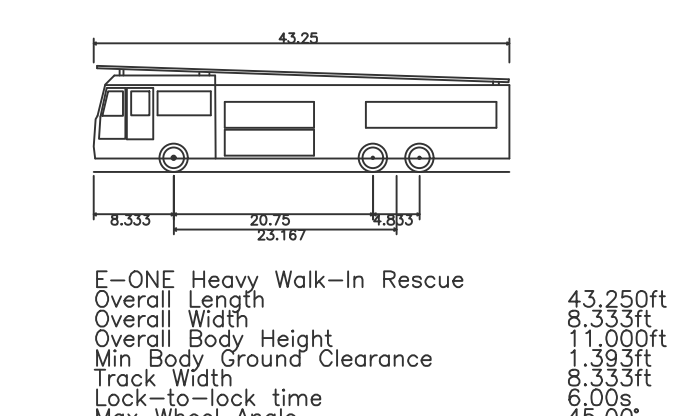
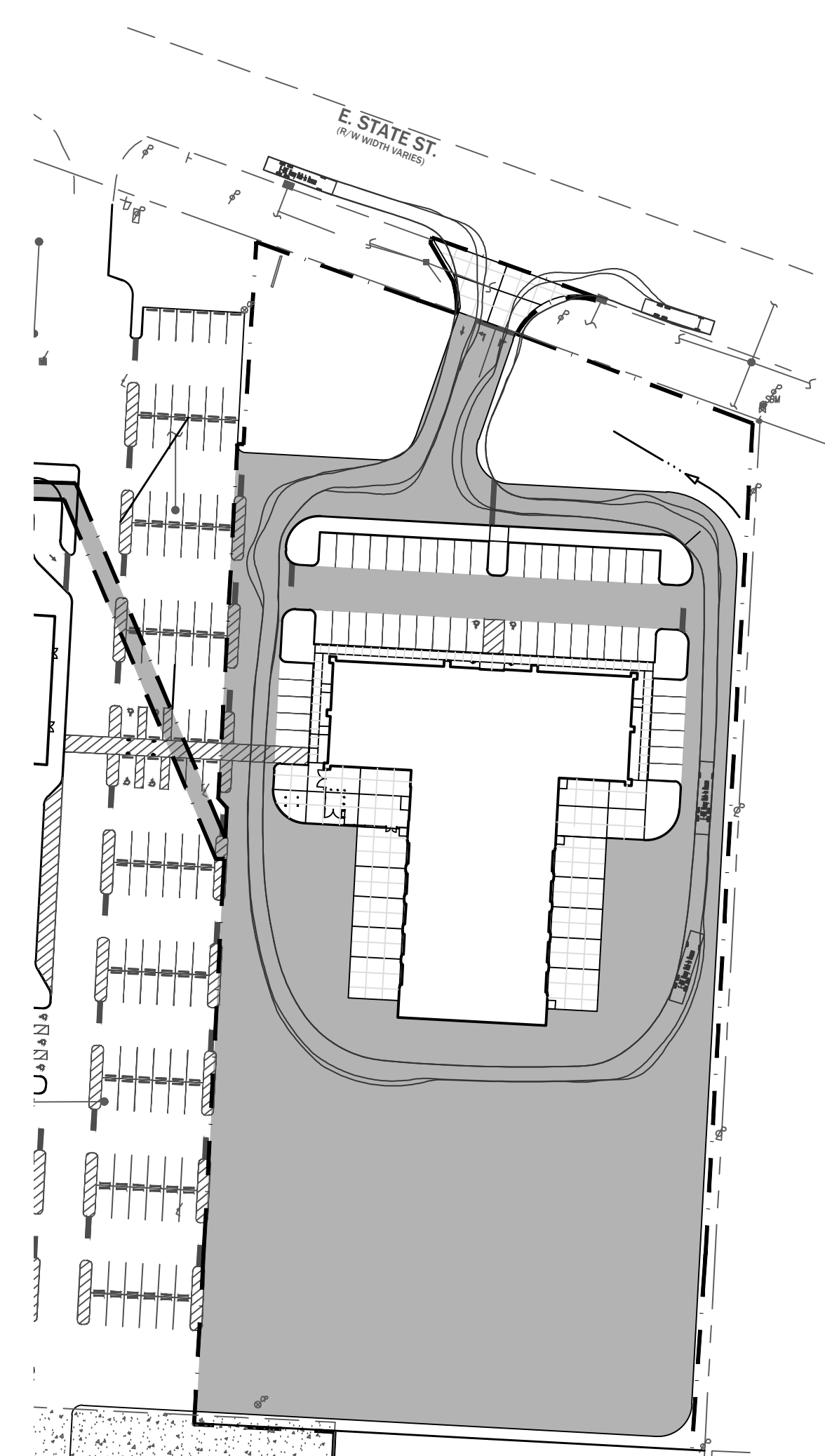
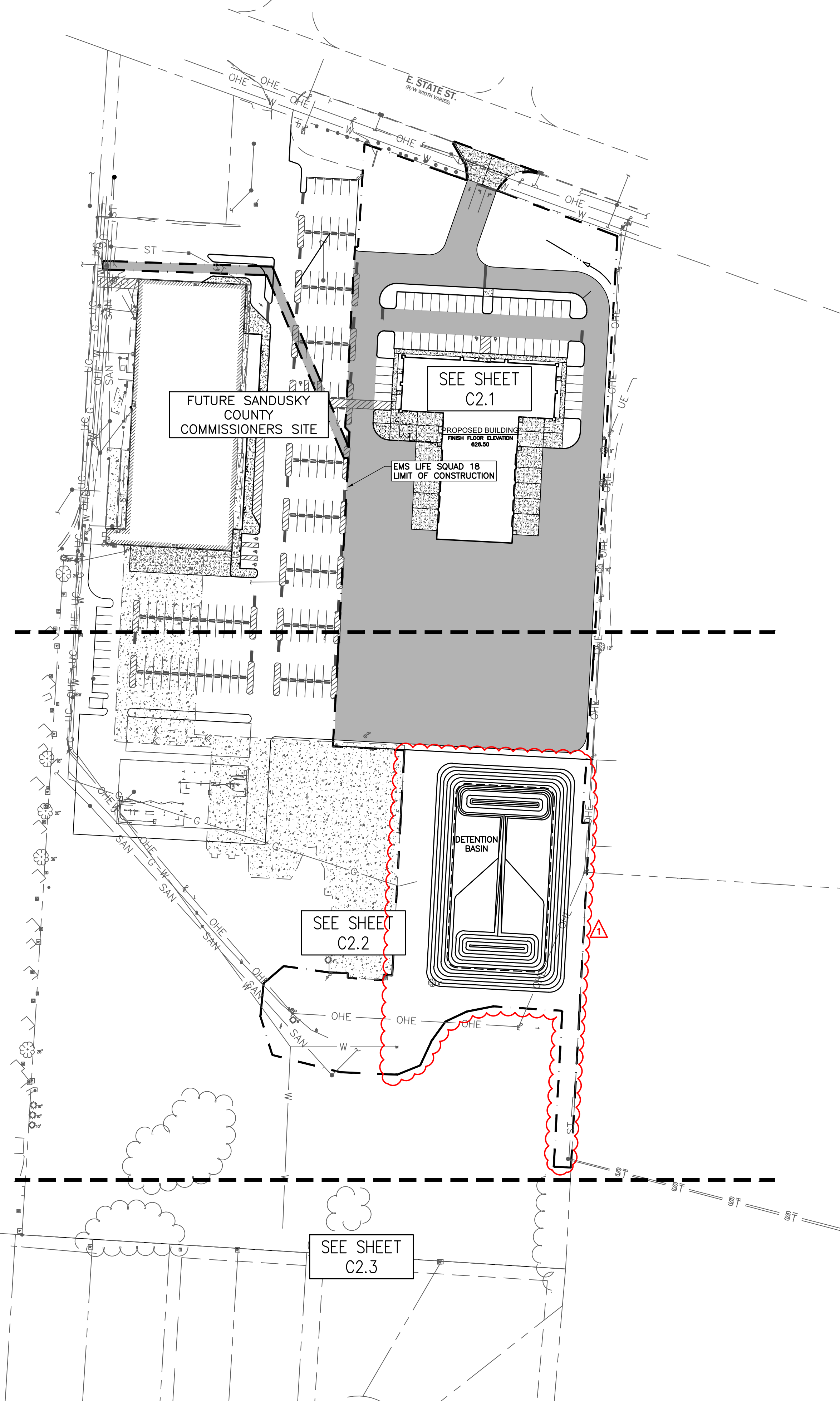
2  
1  
0  
1 1/2"=1'-0"

4  
3  
2  
1  
0  
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6  
5  
4  
3  
2  
1  
0  
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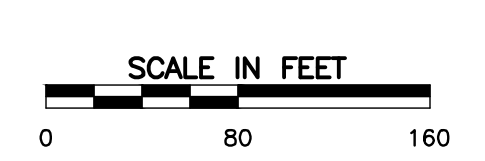
LEGEND			
●	SET 5/8" IRON PIN W/CAP	MB	MAIL BOX
SBM	SITE BENCHMARK	○MH	MANHOLE GENERAL
⊕	CONTROL POINT	⊙	MONITORING WELL
⊙	MONUMENT - IP IN CONCRETE FOUND	⊕	POWER POLE
⊕	MONUMENT BOX FOUND	⊕	POST INDICATOR VALVE
○	HOLLOW PIPE FOUND	●	SANITARY MANHOLE
○	IRON PIN FOUND	⊕	SIGN
⊕	PK NAIL FOUND	⊕	SOIL BORING
⊕	RAILROAD SPIKE FOUND	○	SPRINKLER HEAD
⊕	HUB FOUND	⊕	STEEL POST
○	ANCHOR POLE	●	STORM MANHOLE
⊕	AIR CONDITION UNIT	⊕	TRANSFORMER
⊕	BOLLARD	⊕	TELEPHONE MANHOLE
⊕	BUSH	⊕	TELEPHONE PEDESTAL
⊕	CABLE PEDESTAL	⊕	TELEPHONE POLE
●	CATCH BASIN ROUND	⊕	TRAFFIC CONTROL MANHOLE
■	CATCH BASIN SQUARE	⊕	TRAFFIC SIGNAL POLE
○	CLEANOUT	⊕	TREE STUMP
⊕	COMMUNICATIONS MARKER	●	WATER MANHOLE
⊕	CONIFER TREE / (INCH)	⊕	WATER METER
⊕	CURB INLET	⊕	WATER VALVE
⊕	DECIDUOUS TREE / (INCH)	⊕	WOOD POST
⊕	DOUBLE CURB INLET	R	RECORDED
⊕	DOWNSPOUT	M	MEASURED
⊕	ELECTRIC BOX	XXX	EXISTING CONTOUR
⊕	ELECTRIC MANHOLE	XXX	EXISTING TOP/CURB TOP/PVMT.
⊕	ELECTRIC MARKER	---	EXISTING CONTOUR
⊕	ELECTRIC METER	UE	UNDERGROUND ELECTRIC
⊕	ELECTRIC OUTLET	UC	UNDERGROUND CABLE
⊕	ELECTRIC PEDESTAL	x	FENCE LINE
⊕	FIBER OPTIC MARKER	SAN	SANITARY SEWER LINE
⊕	FIRE HYDRANT	ST	STORM SEWER LINE
⊕	FLAG POLE	G	GAS LINE
⊕	FLOOD LIGHT	W	WATER LINE
⊕	GAS MARKER	OHE	OVERHEAD UTIL. WIRES
⊕	GAS METER	UT	UNDERGROUND TELEPHONE
⊕	GAS VALVE	FO	UNDERGROUND FIBER OPTIC
⊕	GUY WIRE		
⊕	LIGHT POLE		



TURN MOVEMENTS

**REFERENCE**

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TPA COMMISSION NUMBER: **22009**

DRAWING TITLE:  
**OVERALL SITE PLAN**

BID DRAWINGS  
DRAWING NUMBER:  
**C2.0**



0 10 20 30  
1"=30'

0 5 10 15 20  
1"=20'

0 1 2 3 4  
1 1/2"=1'-0"

0 1 2 3 4  
3/4"=1'-0"

0 1 2 3 4  
1/2"=1'-0"

0 1 2 3 4 5 6 7 8  
3/8"=1'-0"

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DESIGNED: -  
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CHECKED: -

TPA COMMISSION NUMBER: 22009

DRAWING TITLE: ENLARGED SITE PLAN

BID DRAWINGS

DRAWING NUMBER:

C2.1

**KEY NOTES**

- 1 PROPOSED STANDARD DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C6.1
- 2 PROPOSED HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C6.1
- 3 PROPOSED CONCRETE WALK, SEE DETAIL SHEET C6.1
- 4 PROPOSED STRAIGHT CURB, SEE DETAIL SHEET C6.1
- 5 PROPOSED INTEGRAL WALK AND CURB, SEE DETAIL SHEET C6.1
- 6 PROPOSED 8" CONCRETE PAVEMENT, SEE DETAIL SHEET C6.1
- 7 PROPOSED ADA PARKING STALL PAVEMENT MARKINGS, SEE SHEET C6.2
- 8 PROPOSED ADA PARKING SIGNAGE, SEE DETAIL SHEET C6.2
- 9 PROPOSED WHEEL STOP, SEE DETAIL SHEET C6.2
- 10 PROPOSED PAVEMENT STRIPING FOR TYPICAL PARKING SPACE, SEE DETAIL SHEET C6.2
- 11 PROPOSED DUMPSTER ENCLOSURE, SEE ARCH. PLANS
- 12 PROPOSED PAD MOUNTED TRANSFORMER, SEE ELECTRICAL PLANS
- 13 PROPOSED DROP CURB
- 14 PROPOSED STOP BAR, SEE DETAIL SHEET C6.2
- 15 PROPOSED STOP SIGN, SEE DETAIL SHEET C6.2
- 16 PROPOSED PAVEMENT MARKINGS
- 17 PROPOSED LANDSCAPE/LAWN AREAS, SEE ARCHITECTURAL SITE PLANS
- 18 PROPOSED BOLLARD, SEE DETAIL SHEET C6.2
- 19 PROPOSED 8" CONCRETE DRIVE APPROACH, SEE DETAIL SHEET C6.1
- 20 ACCESSIBLE RAMP, SEE GRADING PLAN FOR DETAILS

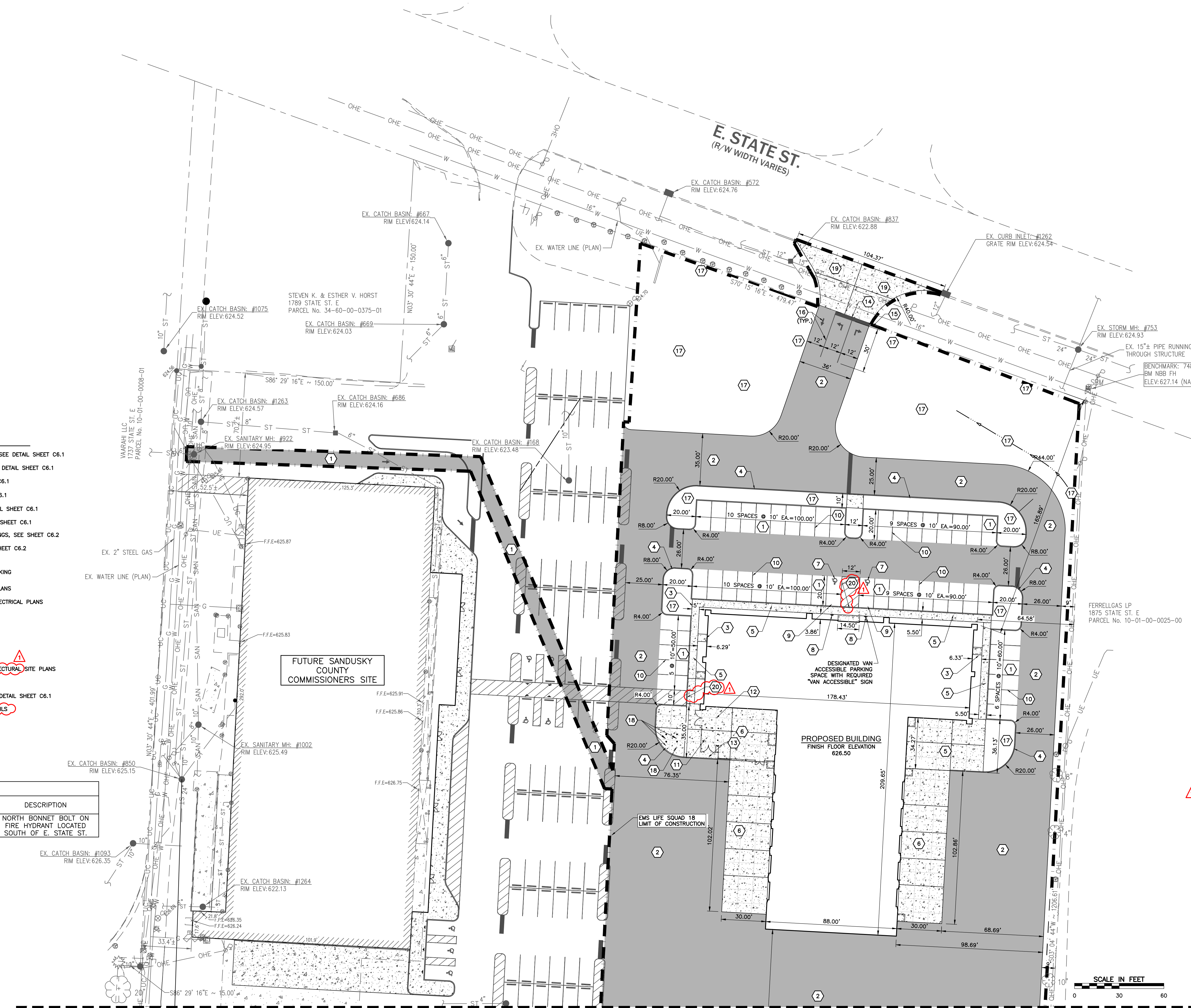
NOTE:  
ALL DIMENSIONS AND RADI ARE TO THE FACE OF CURB.

BENCHMARKS				
POINT NUMBER	NORTHING	EASTING	ELEVATION (NAV88)	DESCRIPTION
748	610028.319	1807871.161	627.14	NORTH BONNET BOLT ON FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.



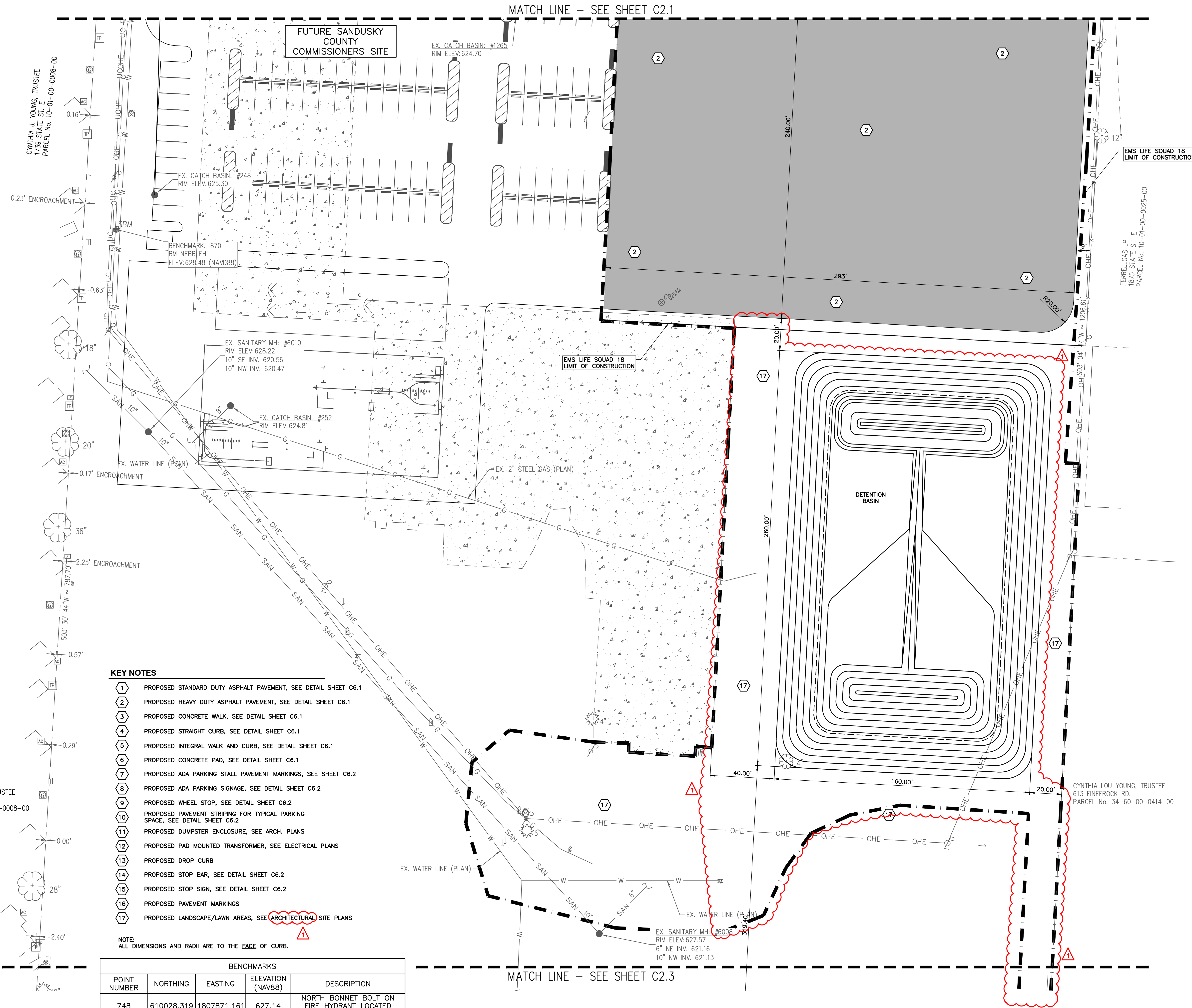
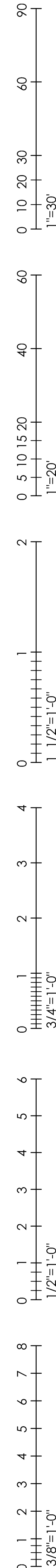
**REFERENCE**

1. THE EXISTING TOPOGRAPHY AND PROPERTY BOUNDARY SHOWN ON THESE PLANS ARE AS PROVIDED BY ESA & ASSOCIATES, LLC.



MATCH LINE - SEE SHEET C2.2





- KEY NOTES**
- 1 PROPOSED STANDARD DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C6.1
  - 2 PROPOSED HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C6.1
  - 3 PROPOSED CONCRETE WALK, SEE DETAIL SHEET C6.1
  - 4 PROPOSED STRAIGHT CURB, SEE DETAIL SHEET C6.1
  - 5 PROPOSED INTEGRAL WALK AND CURB, SEE DETAIL SHEET C6.1
  - 6 PROPOSED CONCRETE PAD, SEE DETAIL SHEET C6.1
  - 7 PROPOSED ADA PARKING STALL PAVEMENT MARKINGS, SEE SHEET C6.2
  - 8 PROPOSED ADA PARKING SIGNAGE, SEE DETAIL SHEET C6.2
  - 9 PROPOSED WHEEL STOP, SEE DETAIL SHEET C6.2
  - 10 PROPOSED PAVEMENT STRIPING FOR TYPICAL PARKING SPACE, SEE DETAIL SHEET C6.2
  - 11 PROPOSED DUMPSTER ENCLOSURE, SEE ARCH. PLANS
  - 12 PROPOSED PAD MOUNTED TRANSFORMER, SEE ELECTRICAL PLANS
  - 13 PROPOSED DROP CURB
  - 14 PROPOSED STOP BAR, SEE DETAIL SHEET C6.2
  - 15 PROPOSED STOP SIGN, SEE DETAIL SHEET C6.2
  - 16 PROPOSED PAVEMENT MARKINGS
  - 17 PROPOSED LANDSCAPE/LAWN AREAS, SEE ARCHITECTURAL SITE PLANS

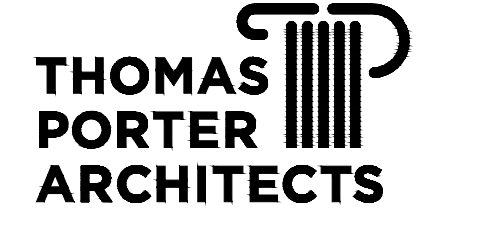
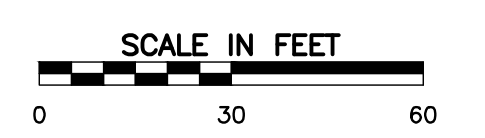
NOTE: ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB.

BENCHMARKS				
POINT NUMBER	NORTHING	EASTING	ELEVATION (NAV88)	DESCRIPTION
748	610028.319	1807871.161	627.14	NORTH BONNET BOLT ON FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.



**REFERENCE**

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FREMONT, OH 43420

PROJECT TITLE:

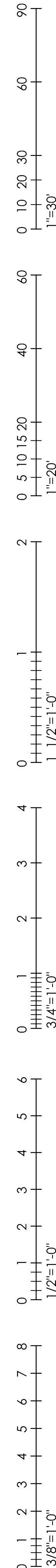
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10.24.2024	BID DRAWINGS

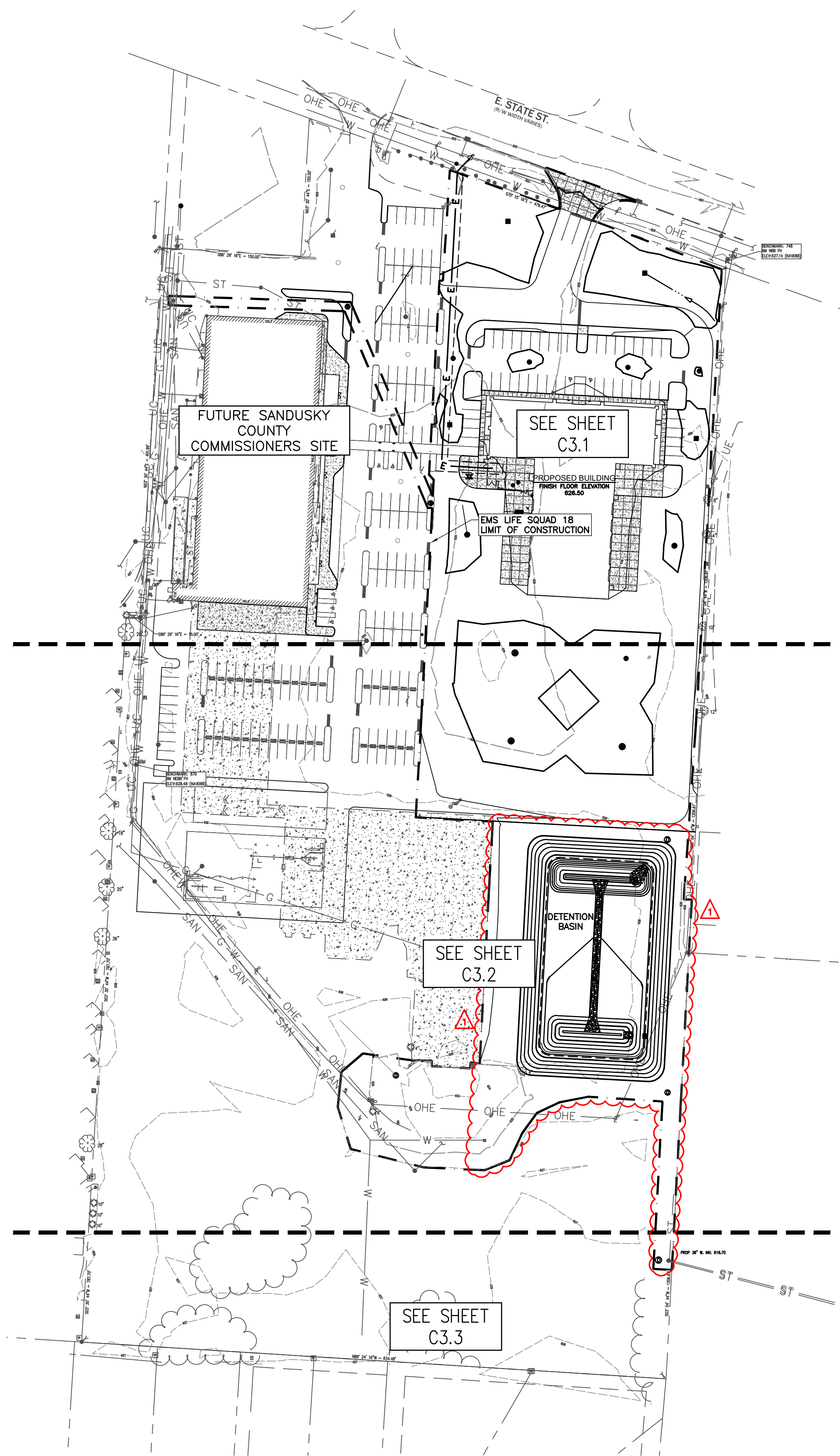
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TPA COMMISSION NUMBER: **22009**  
DRAWING TITLE:  
**ENLARGED SITE PLAN**

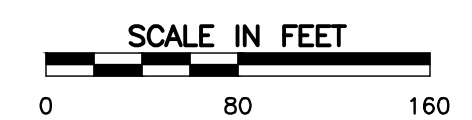
**BID DRAWINGS**  
DRAWING NUMBER:  
**C2.2**



LEGEND			
●	SET 5/8" IRON PIN W/CAP	MB	MAIL BOX
⊕	SITE BENCHMARK	○MH	MANHOLE GENERAL
⊙	CONTROL POINT	⊖	MONITORING WELL
⊗	MONUMENT - IP IN CONCRETE FOUND	⊕	POWER POLE
⊘	MONUMENT BOX FOUND	⊕	POST INDICATOR VALVE
○	HOLLOW PIPE FOUND	●	SANITARY MANHOLE
○	IRON PIN FOUND	⊕	SIGN
⊗	PK NAIL FOUND	⊕	SOIL BORING
⊗	RAILROAD SPIKE FOUND	⊕	SPRINKLER HEAD
⊕	HUB FOUND	⊕	STEEL POST
○	ANCHOR POLE	●	STORM MANHOLE
⊕	AIR CONDITION UNIT	⊕	TRANSFORMER
⊕	BOLLARD	⊕	TELEPHONE MANHOLE
⊕	BUSH	⊕	TELEPHONE PEDESTAL
⊕	CABLE PEDESTAL	⊕	TELEPHONE POLE
○	CATCH BASIN ROUND	⊕	TRAFFIC CONTROL MANHOLE
□	CATCH BASIN SQUARE	⊕	TRAFFIC SIGNAL POLE
○	CLEANOUT	⊕	TREE STUMP
⊕	COMMUNICATIONS MARKER	●	WATER MANHOLE
⊕	CONIFER TREE / (INCH)	⊕	WATER METER
⊕	CURB INLET	⊕	WATER VALVE
⊕	DECIDUOUS TREE / (INCH)	⊕	WOOD POST
⊕	DOUBLE CURB INLET	R	RECORDED
⊕	DOWNSPOUT	M	MEASURED
⊕	ELECTRIC BOX	XXX	EXISTING SPOT ELEVATION
⊕	ELECTRIC MANHOLE	XXX	EXISTING TOP/CURB TOP/PVMT.
⊕	ELECTRIC MARKER	---	EXISTING CONTOUR
⊕	ELECTRIC METER	UE	UNDERGROUND ELECTRIC
⊕	ELECTRIC OUTLET	UC	UNDERGROUND CABLE
⊕	ELECTRIC PEDESTAL	x	FENCE LINE
⊕	FIBER OPTIC MARKER	SAN	SANITARY SEWER LINE
⊕	FIRE HYDRANT	ST	STORM SEWER LINE
⊕	FLAG POLE	G	GAS LINE
⊕	FLOOD LIGHT	W	WATER LINE
⊕	GAS MARKER	OHE	OVERHEAD UTIL. WIRES
⊕	GAS METER	UT	UNDERGROUND TELEPHONE
⊕	GAS VALVE	FO	UNDERGROUND FIBER OPTIC
⊕	GUY WIRE		
⊕	LIGHT POLE		



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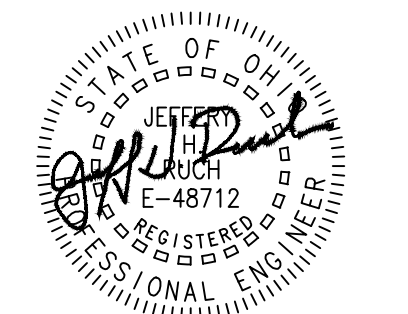
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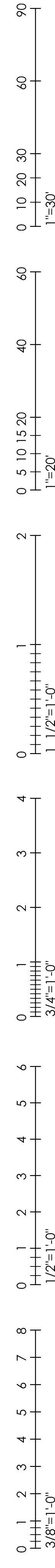
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**OVERALL GRADING & DRAINAGE PLAN**

BID DRAWINGS

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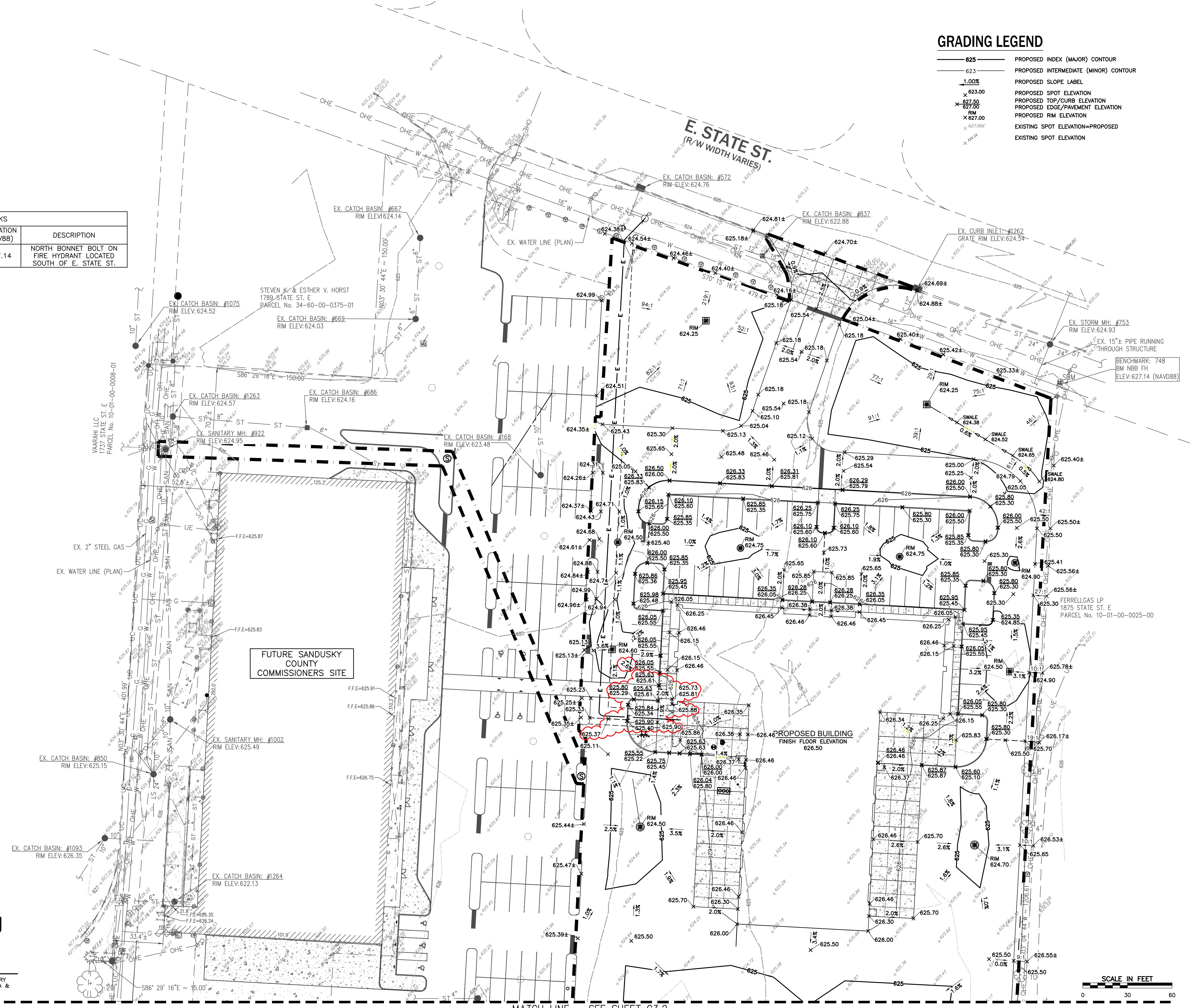
**C3.0**

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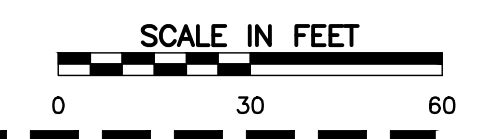


BENCHMARKS				
POINT NUMBER	NORTHING	EASTING	ELEVATION (NAVB8)	DESCRIPTION
748	610028.319	1807871.161	627.14	NORTH BONNET BOLT ON FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.

GRADING LEGEND	
	PROPOSED INDEX (MAJOR) CONTOUR
	PROPOSED INTERMEDIATE (MINOR) CONTOUR
	PROPOSED SLOPE LABEL
	PROPOSED SPOT ELEVATION
	PROPOSED TOP/CURB ELEVATION
	PROPOSED EDGE/PAVEMENT ELEVATION
	PROPOSED RIM ELEVATION
	EXISTING SPOT ELEVATION=PROPOSED
	EXISTING SPOT ELEVATION



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 1. THE EXISTING TOPOGRAPHY AND PROPERTY BOUNDARY SHOWN ON THESE PLANS ARE AS PROVIDED BY ESA & ASSOCIATES, LLC.



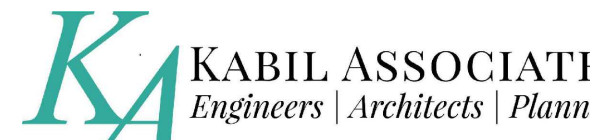
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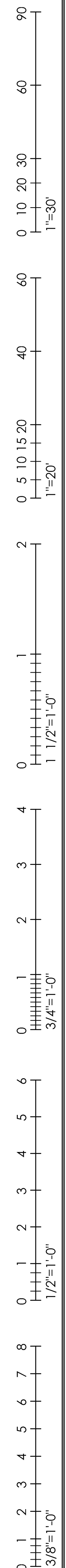
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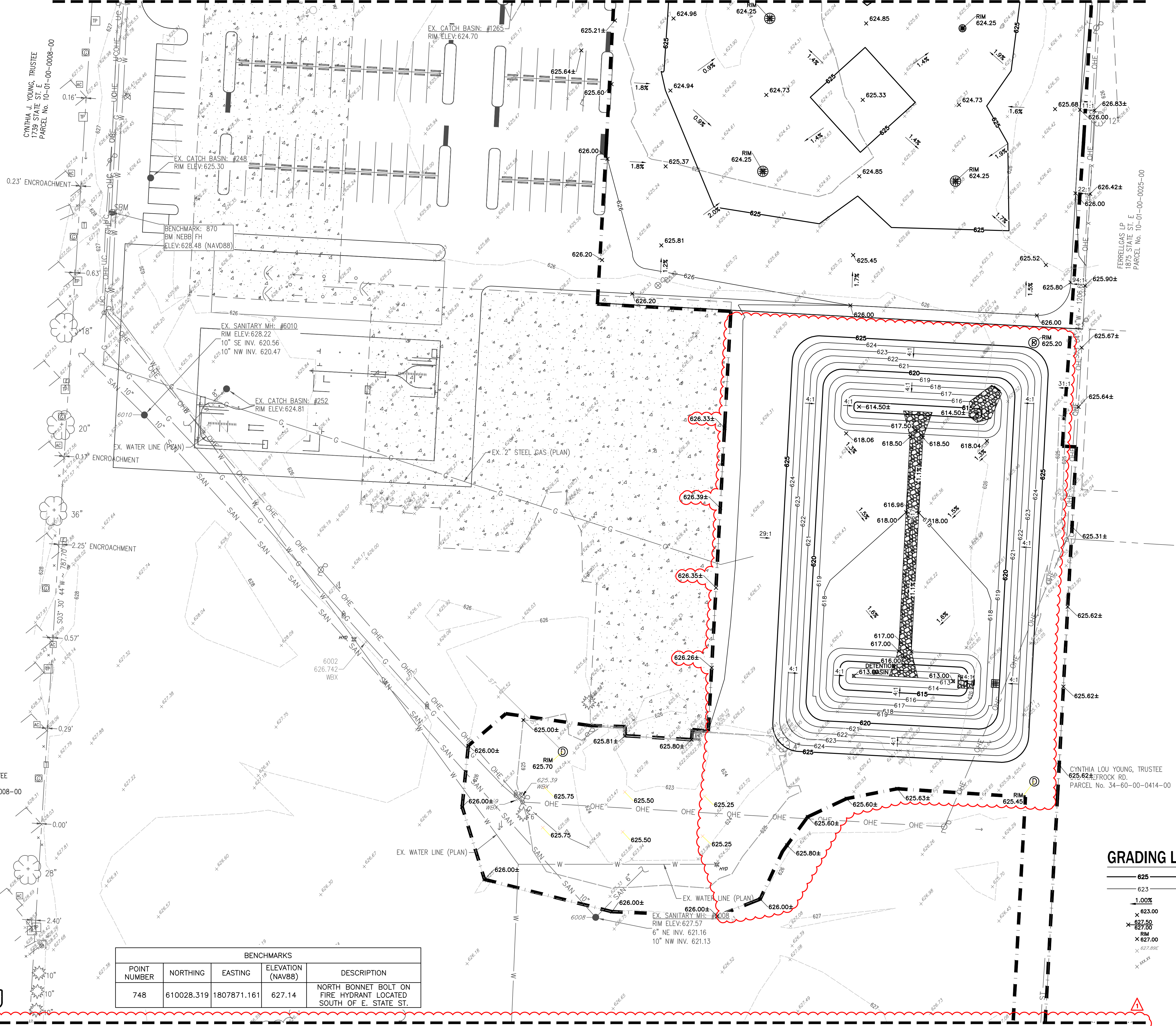
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DRAWING TITLE:  
**ENLARGED SITE GRADING & DRAINAGE PLAN**

**BID DRAWINGS**  
 DRAWING NUMBER:  
**C3.1**



MATCH LINE - SEE SHEET C3.1



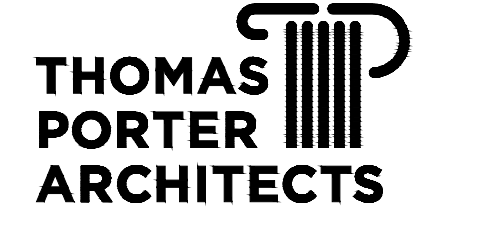
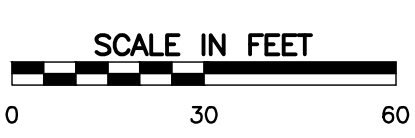
BENCHMARKS				
POINT NUMBER	NORTHING	EASTING	ELEVATION (NAVD88)	DESCRIPTION
748	610028.319	1807871.161	627.14	NORTH BONNET BOLT ON FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.

GRADING LEGEND	
	625 PROPOSED INDEX (MAJOR) CONTOUR
	623 PROPOSED INTERMEDIATE (MINOR) CONTOUR
	1.00% PROPOSED SLOPE LABEL
	623.00 PROPOSED SPOT ELEVATION
	627.50 PROPOSED TOP/CURB ELEVATION
	627.00 PROPOSED EDGE/PAVEMENT ELEVATION
	627.00 PROPOSED RIM ELEVATION
	627.00 EXISTING SPOT ELEVATION=PROPOSED
	627.00 EXISTING SPOT ELEVATION

**REFERENCE**

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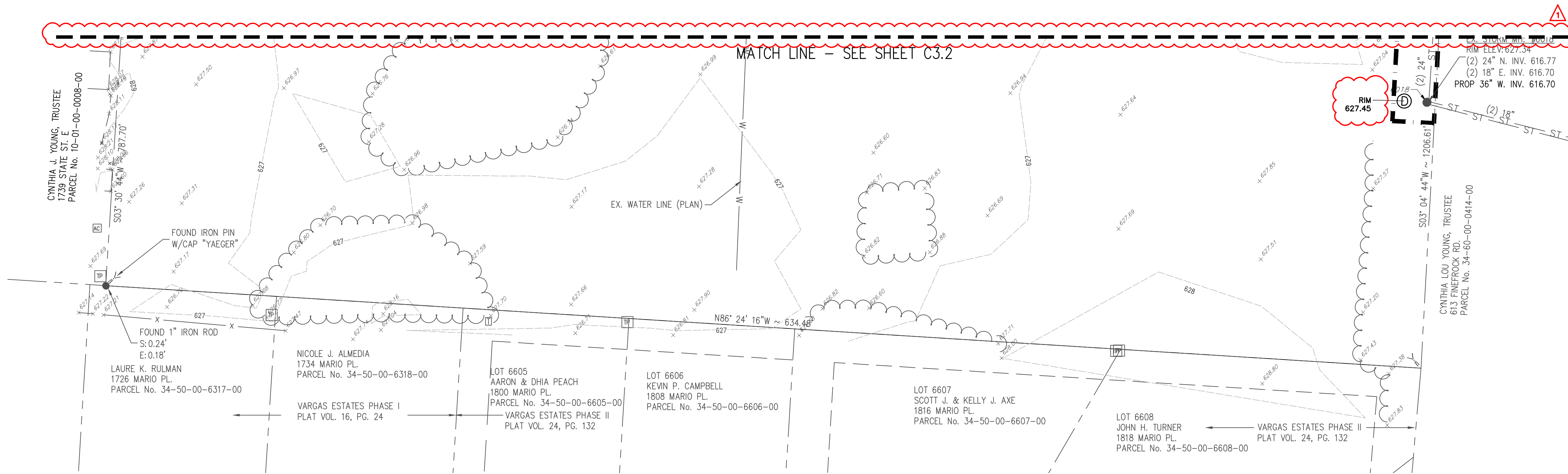
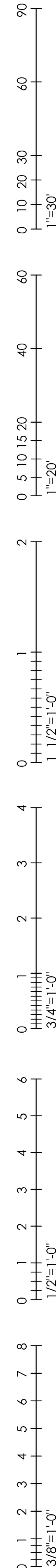
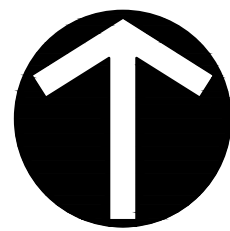
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**ENLARGED SITE GRADING & DRAINAGE PLAN**

BID DRAWINGS  
DRAWING NUMBER:

C3.2



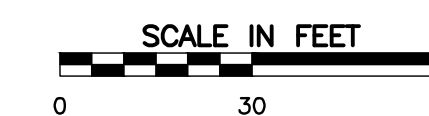
### GRADING LEGEND

- 625 PROPOSED INDEX (MAJOR) CONTOUR
- 623 PROPOSED INTERMEDIATE (MINOR) CONTOUR
- 1.00% PROPOSED SLOPE LABEL
- 623.00 PROPOSED SPOT ELEVATION
- 627.50 PROPOSED TOP/CURB ELEVATION
- 627.00 PROPOSED EDGE/PAVEMENT ELEVATION
- 627.00 PROPOSED RIM ELEVATION
- 627.89E EXISTING SPOT ELEVATION=PROPOSED
- 626.88 EXISTING SPOT ELEVATION

BENCHMARKS				
POINT NUMBER	NORTHING	EASTING	ELEVATION (NAV88)	DESCRIPTION
748	610028.319	1807871.161	627.14	NORTH BONNET BOLT ON FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.

EXISTING UTILITY STRUCTURE SCHEDULE							
STRUCTURE TYPE	ID	RIM	PIPE SIZE	PIPE MATERIAL	DIRECTION	INVERT	
EX CATCH BASIN	162	623.44	8"	VIT	S	621.44	
EX CATCH BASIN	164	624.58	12"	RCP	W	620.68	
		624.58	12"	RCP	SE	620.68	
EX CATCH BASIN	168	623.48	10"	RCP	N	621.68	
EX CATCH BASIN	169	624.21	10"	RCP	N	621.56	
EX CATCH BASIN	248	625.30	SUMP	CANT OPEN		619.90	
EX CATCH BASIN	252	624.81	8"	PVC	SW	622.31	
EX CURB INLET	572	624.76	SUMP			620.21	
EX CATCH BASIN	667	624.14	6"	PVC	S	621.84	
EX CATCH BASIN	669	624.03	6"	PVC	N	621.43	
		624.03	6"	PVC	SW	621.43	
EX CATCH BASIN	686	624.16	6"	PVC	SE	621.91	
		624.16	8"	PVC	W	621.71	
EX STORM MANHOLE	753	624.93	24"	CPP	W	618.58	
		624.93	24"	CPP	E	618.58	
		624.93	15"?	STEEL	N&S	619.13	
EX CATCH BASIN	837	622.88	12"	RCP	W	618.13	
		622.88	15"	RCP	E	618.03	
EX CATCH BASIN	850	625.15	24"	RCP	S	620.20	
		625.15	8"	PVC	NW	620.50	
		625.15	10"	RCP	NE	620.20	
EX SANITARY MANHOLE	922	624.95	10"	VIT	N	618.30	
		624.95	10"	VIT	S	618.40	
		624.95	8"	PVC	W	619.55	
EX SANITARY MANHOLE	1002	625.49	10"	VIT	N	618.84	
		625.49	10"	VIT	S	618.94	
		625.49	8"	VIT	SW	618.99	
EX CATCH BASIN	1075	624.52	10"	RCP	N	619.52	
EX CATCH BASIN	1093	626.35	10"	RCP	E	622.00	
		626.35	10"	RCP	SW	622.05	
EX CURB INLET	1262	624.54	12"	RCP	S	620.29	
EX CATCH BASIN	1263	624.57	8"	PVC	N	621.17	
		624.57	8"	PVC	E	621.17	
		624.57	8"	PVC	S	621.17	
EX CATCH BASIN	1264	622.13	6"	PVC	W	621.18	
EX CATCH BASIN	1265	624.70	4"	PVC	W	622.70	

NOTE: NO EXISTING DRAWINGS WERE AVAILABLE FOR THIS SITE AND ITS PREVIOUS IMPROVEMENTS, THEREFORE, EXISTING UTILITIES AND STORM DRAINAGE ARE SHOWN BASED ON VISIBLE OBSERVATIONS ONLY.

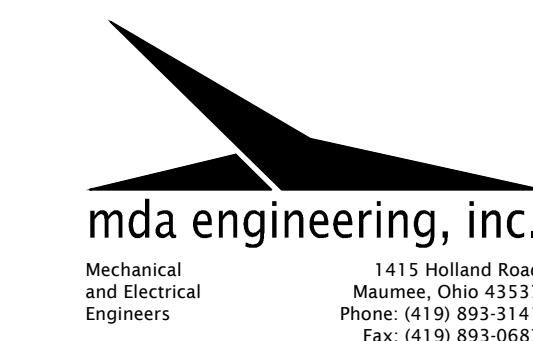


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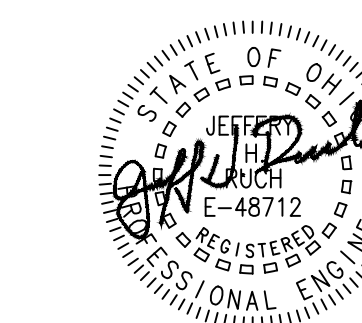


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TPA COMMISSION NUMBER: 22009

DRAWING TITLE:  
ENLARGED SITE  
GRADING & DRAINAGE  
PLAN

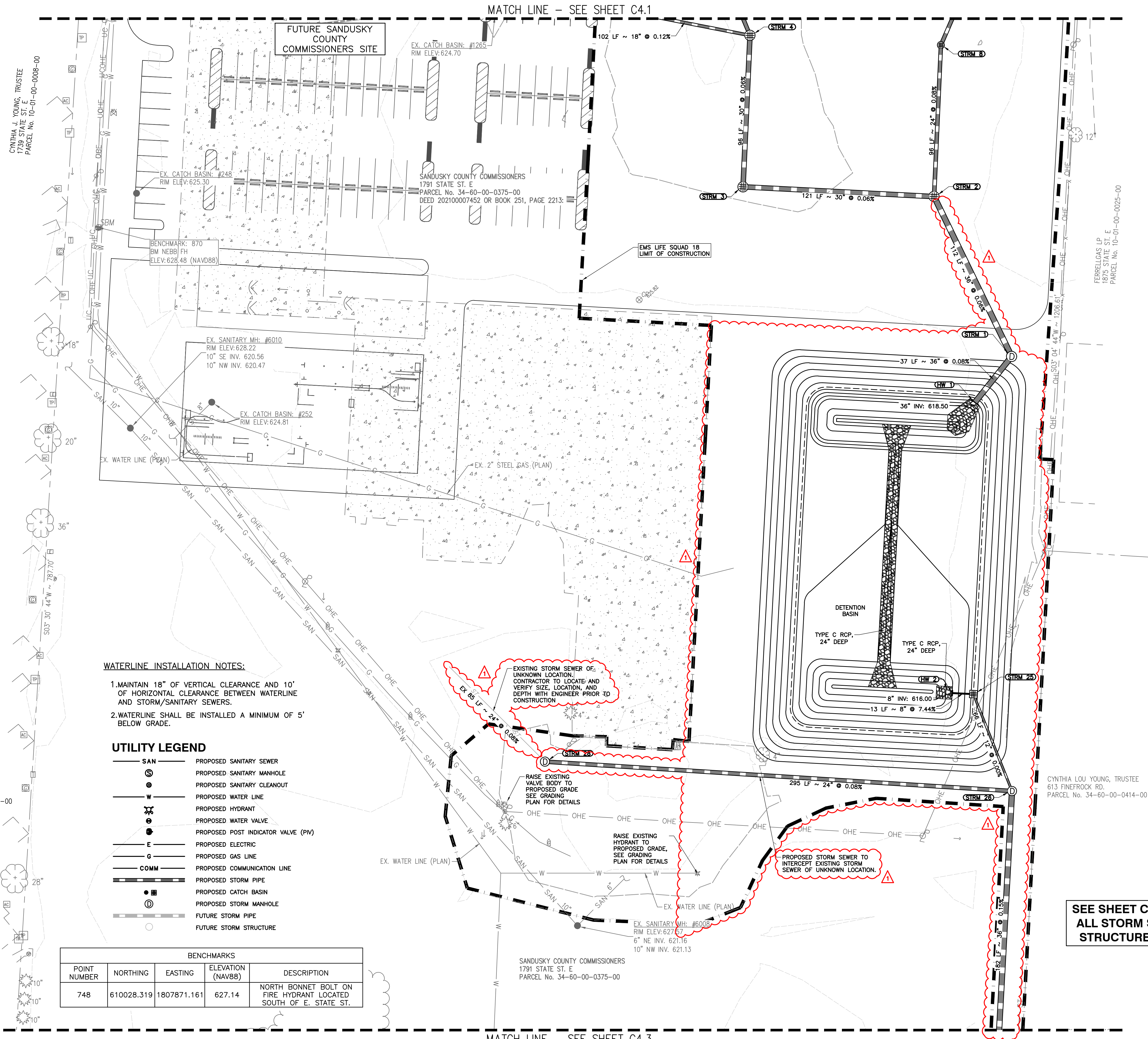
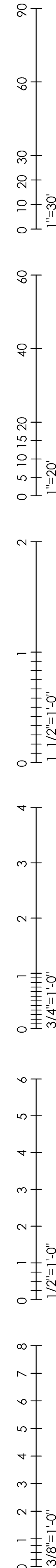
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**WATERLINE INSTALLATION NOTES:**

1. MAINTAIN 18" OF VERTICAL CLEARANCE AND 10' OF HORIZONTAL CLEARANCE BETWEEN WATERLINE AND STORM/SANITARY SEWERS.
2. WATERLINE SHALL BE INSTALLED A MINIMUM OF 5' BELOW GRADE.

**UTILITY LEGEND**

- SAN** — PROPOSED SANITARY SEWER
- ⊙** — PROPOSED SANITARY MANHOLE
- ⊙** — PROPOSED SANITARY CLEANOUT
- — PROPOSED WATER LINE
- ⊙** — PROPOSED HYDRANT
- ⊙** — PROPOSED WATER VALVE
- ⊙** — PROPOSED POST INDICATOR VALVE (PIV)
- E** — PROPOSED ELECTRIC
- G** — PROPOSED GAS LINE
- COMM** — PROPOSED COMMUNICATION LINE
- — PROPOSED STORM PIPE
- ⊙** — PROPOSED CATCH BASIN
- ⊙** — PROPOSED STORM MANHOLE
- — FUTURE STORM PIPE
- ⊙** — FUTURE STORM STRUCTURE

**BENCHMARKS**

POINT NUMBER	NORTHING	EASTING	ELEVATION (NAV88)	DESCRIPTION
748	610028.319	1807871.161	627.14	NORTH BONNET BOLT ON FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.

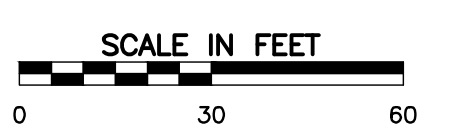
MATCH LINE - SEE SHEET C4.1

MATCH LINE - SEE SHEET C4.3

**SEE SHEET C4.3 FOR ALL STORM SEWER STRUCTURE DATA**



REFERENCE  
1. THE EXISTING TOPOGRAPHY AND PROPERTY BOUNDARY SHOWN ON THESE PLANS ARE AS PROVIDED BY ESA & ASSOCIATES, LLC.



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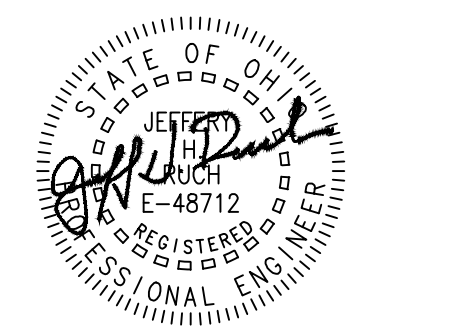
CONSULTANTS:

**CEC** One SeaGate  
Suite 2050  
Toledo, OH 43604  
Ph: 419.774.5281  
www.cecinc.com

**KA** KABIL ASSOCIATES  
Engineers | Architects | Planners

**mda engineering, inc.**  
Mechanical and Electrical Engineers  
1415 Holland Road  
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Phone: (419) 893-3141  
Fax: (419) 893-0687

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**SANDUSKY COUNTY EMS**  
**ADMIN OFFICE & LIFE SQUAD 18**  
**NEW CONSTRUCTION**  
1865 EAST STATE STREET  
FREMONT, OH 43420

PROJECT TITLE:

ISSUE OR REVISION:

DATE	ISSUE / REVISION
11.15.2024	BID ADDENDUM 2
10.24.2024	BID DRAWINGS

DESIGNED: -

DRAWN: -

CHECKED: -

TPA COMMISSION NUMBER: 22009

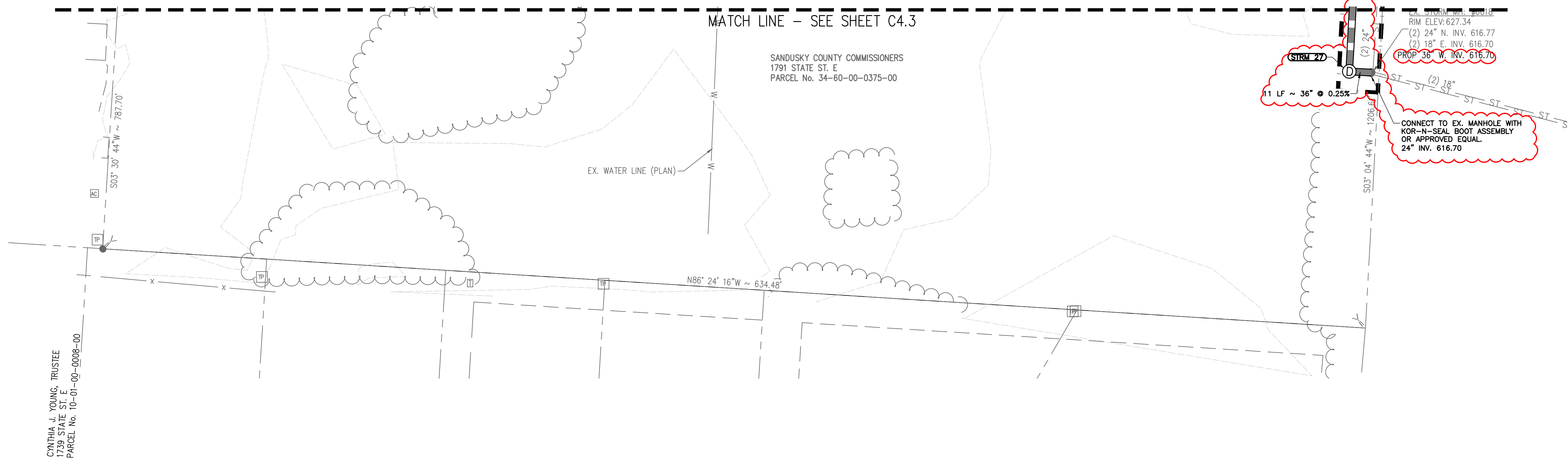
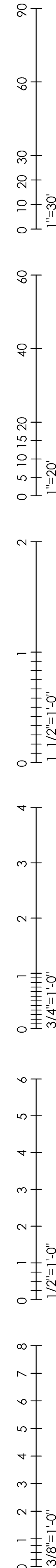
DRAWING TITLE:  
**ENLARGED SITE UTILITY PLAN**

BID DRAWINGS

DRAWING NUMBER:

**C4.2**

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**WATERLINE INSTALLATION NOTES:**

1. MAINTAIN 18" OF VERTICAL CLEARANCE AND 10' OF HORIZONTAL CLEARANCE BETWEEN WATERLINE AND STORM/SANITARY SEWERS.
2. WATERLINE SHALL BE INSTALLED A MINIMUM OF 5' BELOW GRADE.

**UTILITY LEGEND**

- SAN** PROPOSED SANITARY SEWER
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- W** PROPOSED WATER LINE
- PROPOSED HYDRANT
- PROPOSED WATER VALVE
- PROPOSED POST INDICATOR VALVE (PIV)
- E** PROPOSED ELECTRIC
- G** PROPOSED GAS LINE
- COMM** PROPOSED COMMUNICATION LINE
- PROPOSED STORM PIPE
- PROPOSED CATCH BASIN
- PROPOSED STORM MANHOLE
- FUTURE STORM PIPE
- FUTURE STORM STRUCTURE

BENCHMARKS				
POINT NUMBER	NORTHING	EASTING	ELEVATION (NAVB8)	DESCRIPTION
748	610028.319	1807871.161	627.14	NORTH BONNET BOLT ON FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.

**PROPOSED STORM SEWER STRUCTURES**

- PROP STRM 1, NO. 3 MH, 6'ø  
RIM: 625.20  
36" NW. INV. 618.53  
36" SW. INV. 618.53
- PROP STRM 2, STD. CB, 6'ø  
RIM: 624.25  
30" W. INV. 618.60  
24" N. INV. 618.60  
36" SE. INV. 618.60
- PROP STRM 3, STD. CB, 6'ø  
RIM: 624.25  
30" N. INV. 618.67  
30" E. INV. 618.67
- PROP STRM 4, STD. CB, 6'ø  
RIM: 624.25  
24" N. INV. 618.73  
18" W. INV. 618.73  
30" S. INV. 618.73
- PROP STRM 5, STD. CB, 5'ø  
RIM: 624.50  
18" N. INV. 618.86  
12" E. INV. 620.09  
24" S. INV. 618.86
- PROP STRM 6, CB, ODOT 2-2C  
RIM: 624.60  
18" N. INV. 619.01  
18" S. INV. 619.01
- PROP STRM 7, STD. CB, 4'ø  
RIM: 624.50  
15" W. INV. 619.10  
18" S. INV. 619.10
- PROP STRM 8, STD. CB, 4'ø  
RIM: 624.25  
24" NE. INV. 618.67  
24" S. INV. 618.67
- PROP STRM 9, STD. CB, 5'ø  
RIM: 624.70  
18" N. INV. 618.78  
12" W. INV. 621.12  
24" SW. INV. 618.78
- PROP STRM 10, CB, ODOT 2-2C  
RIM: 624.50  
18" N. INV. 618.92  
18" S. INV. 618.92
- PROP STRM 11, NO. 3 MH, 4'ø  
RIM: 624.90  
15" W. INV. 619.01  
12" NW. INV. 619.01  
18" S. INV. 619.01
- PROP STRM 12, STD. CB, 4'ø  
RIM: 624.75  
12" S. INV. 621.25  
12" W. INV. 619.13  
15" E. INV. 619.13
- PROP STRM 13, STD. CB, 4'ø  
RIM: 624.75  
12" S. INV. 621.25  
12" N. INV. 619.36  
12" E. INV. 619.36
- PROP STRM 14, CB, ODOT 2-2B  
RIM: 624.25  
12" S. INV. 619.70
- PROP STRM 15, CB, ODOT 2-2B  
RIM: 624.25  
12" SE. INV. 619.28
- PROP STRM 25, WQ, 1.1 CB  
RIM: 622.00  
8" (W) INV. 617.00  
12" S. INV. 617.00
- PROP STRM 26, NO. 3 MH, 5'ø  
RIM: 625.45  
36" S. INV. 617.00  
12" N. INV. 617.00  
24" W. INV. 617.00
- PROP STRM 27, NO. 3 MH, 6'ø  
RIM: 627.45  
36" E. INV. 616.73  
36" N. INV. 616.73
- PROP STRM 28, NO. 3 MH, 4'ø  
RIM: 625.70  
EX 24" NW. INV. 617.24 ±  
24" E. INV. 617.24

**FUTURE STORM SEWER STRUCTURES**

- PROP STRM 16, CB, ODOT 2-2C  
RIM: 623.79  
15" N. INV. 619.17  
15" E. INV. 619.17
- PROP STRM 17, STD. CB, 4'ø  
RIM: 623.80  
12" W. INV. 619.31  
15" S. INV. 619.31
- PROP STRM 18, NO. 3 MH, 4'ø  
RIM: 624.44  
12" N. INV. 619.49  
12" E. INV. 619.49
- PROP STRM 19, CB, ODOT 2-2C  
RIM: 624.37  
12" S. INV. 619.67
- PROP STRM 20, STD. CB, 4'ø  
RIM: 624.60  
12" W. INV. 618.89  
12" N. INV. 618.89  
18" E. INV. 618.89
- PROP STRM 21, STD. CB, 4'ø  
RIM: 624.50  
12" N. INV. 619.10  
12" S. INV. 619.10
- PROP STRM 22, CB, ODOT 2-2C  
RIM: 624.50  
12" S. INV. 619.24
- PROP STRM 23, CB, ODOT 2-2C  
RIM: 626.00  
12" E. INV. 619.23

**PROPOSED HEADWALLS**

- PROP STRM HW 1  
36" NE. INV. 618.50
- PROP STRM HW 2  
8" E. INV. 616.00

EXISTING UTILITY STRUCTURE SCHEDULE						
STRUCTURE TYPE	ID	RIM	PIPE SIZE	PIPE MATERIAL	DIRECTION	INVERT
EX CATCH BASIN	162	623.44	8"	VIT	S	621.44
EX CATCH BASIN	164	624.58	12"	RCP	W	620.68
		624.58	12"	RCP	SE	620.68
EX CATCH BASIN	168	623.48	10"	RCP	N	621.68
EX CATCH BASIN	169	624.21	10"	RCP	N	621.56
EX CATCH BASIN	248	625.30	SUMP	CANT OPEN		619.90
EX CATCH BASIN	252	624.81	8"	PVC	SW	622.31
EX CURB INLET	572	624.76	SUMP			620.21
EX CATCH BASIN	667	624.14	6"	PVC	S	621.84
EX CATCH BASIN	669	624.03	6"	PVC	N	621.43
		624.03	6"	PVC	SW	621.43
EX CATCH BASIN	686	624.16	6"	PVC	SE	621.91
		624.16	8"	PVC	W	621.71
EX STORM MANHOLE	753	624.93	24"	CPP	W	618.58
		624.93	24"	CPP	E	618.58
		624.93	15"?	STEEL	N&S	619.13
EX CATCH BASIN	837	622.88	12"	RCP	W	618.13
		622.88	15"	RCP	E	618.03
EX CATCH BASIN	850	625.15	24"	RCP	S	620.20
		625.15	8"	PVC	NW	620.50
		625.15	10"	RCP	NE	620.20
EX SANITARY MANHOLE	922	624.95	10"	VIT	N	618.30
		624.95	10"	VIT	S	618.40
		624.95	8"	PVC	W	619.55
EX SANITARY MANHOLE	1002	625.49	10"	VIT	N	618.84
		625.49	10"	VIT	S	618.94
		625.49	8"	VIT	SW	618.99
EX CATCH BASIN	1075	624.52	10"	RCP	N	619.52
EX CATCH BASIN	1093	626.35	10"	RCP	E	622.00
		626.35	10"	RCP	SW	622.05
EX CURB INLET	1262	624.54	12"	RCP	S	620.29
EX CATCH BASIN	1263	624.57	8"	PVC	N	621.17
		624.57	8"	PVC	E	621.17
		624.57	8"	PVC	S	621.17
EX CATCH BASIN	1264	622.13	6"	PVC	W	621.18
EX CATCH BASIN	1265	624.70	4"	PVC	W	622.70

NOTE: NO EXISTING DRAWINGS WERE AVAILABLE FOR THIS SITE AND ITS PREVIOUS IMPROVEMENTS, THEREFORE, EXISTING UTILITIES AND STORM DRAINAGE ARE SHOWN BASED ON VISIBLE OBSERVATIONS ONLY.



**REFERENCE**  
1. THE EXISTING TOPOGRAPHY AND PROPERTY BOUNDARY SHOWN ON THESE PLANS ARE AS PROVIDED BY ESA & ASSOCIATES, LLC.

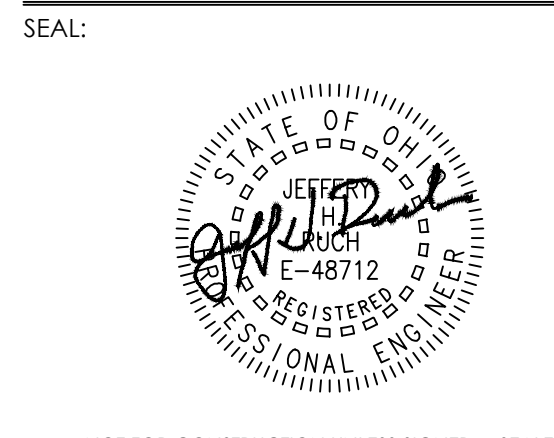


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**Civil & Environmental Consultants, Inc.**



**mda engineering, inc.**  
Mechanical and Electrical Engineers  
1415 Holland Road Maumee, Ohio 43537  
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**SANDUSKY COUNTY EMS**  
**ADMIN OFFICE & LIFE SQUAD 18**  
**NEW CONSTRUCTION**  
1865 EAST STATE STREET  
FREMONT, OH 43420

**PROJECT TITLE:**  
**ISSUE OR REVISION:**

DATE: 11.15.2024  
ISSUE / REVISION: BID ADDENDUM 2

DATE: 10.24.2024  
ISSUE / REVISION: BID DRAWINGS

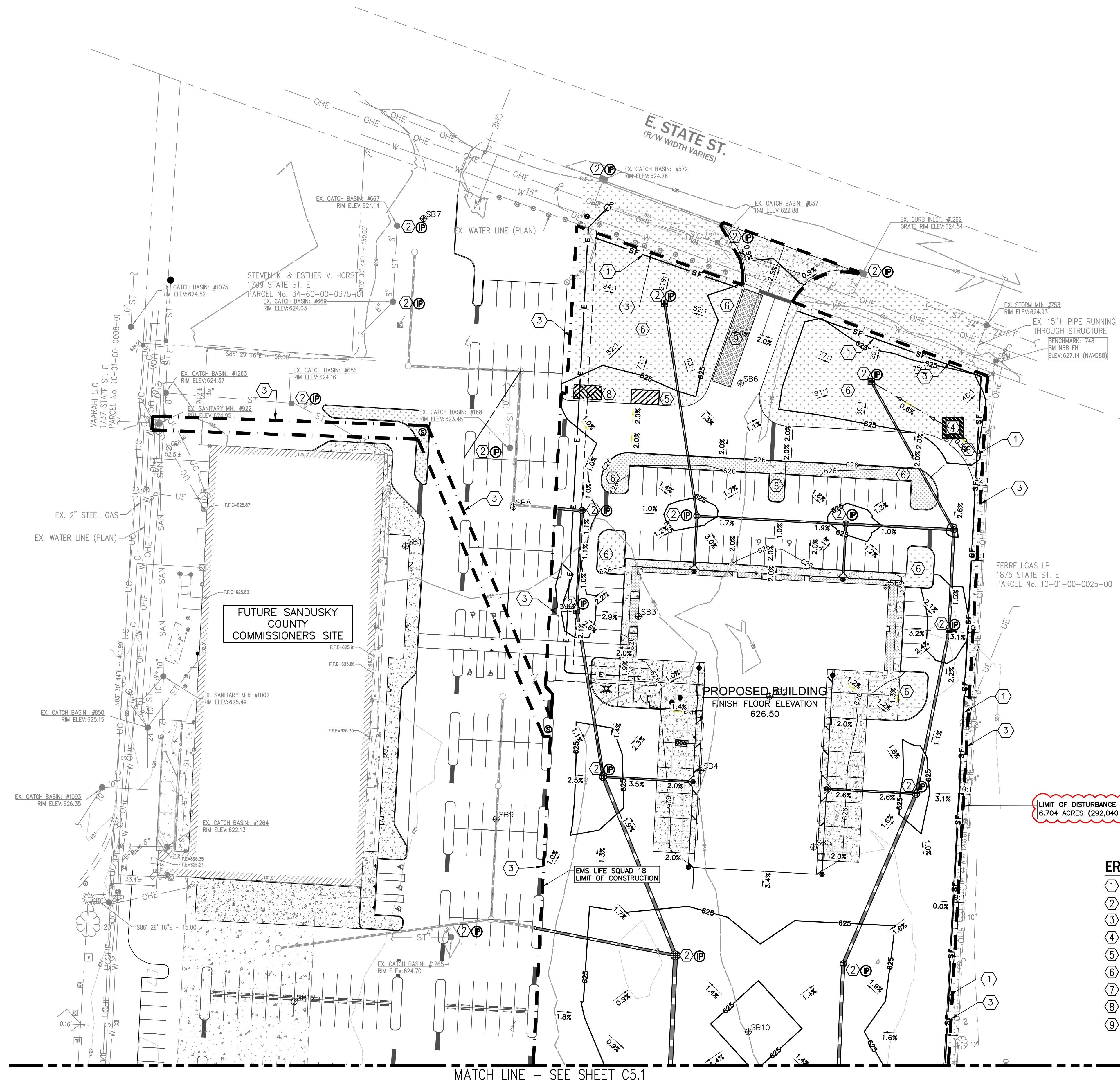
DESIGNED: -  
DRAWN: -  
CHECKED: -

TPA COMMISSION NUMBER: 22009  
DRAWING TITLE: ENLARGED SITE UTILITY PLAN

BID DRAWINGS  
DRAWING NUMBER: C4.3



90  
60  
30  
0  
10  
20  
30  
1"=30'  
60  
40  
20  
0  
5  
10  
15  
20  
1"=20'  
2  
1  
0  
1  
1/2"=1'-0"  
4  
3  
2  
1  
0  
1  
1/2"=1'-0"  
6  
5  
4  
3  
2  
1  
0  
1  
1/2"=1'-0"  
8  
7  
6  
5  
4  
3  
2  
1  
0  
1  
1/2"=1'-0"



MATCH LINE - SEE SHEET C5.1

**EROSION CONTROL LEGEND**

- ① EROSION CONTROL FILTER FABRIC — SF —
- ② INLET PROTECTION (P)
- ③ LIMITS OF DISTURBANCE - - - - -
- ④ CONCRETE WASHOUT [Symbol]
- ⑤ DUMPSTER AND STORAGE AREAS FOR SOLID, SANITARY, AND TOXIC WASTES [Symbol]
- ⑥ PERMANENT SEEDING [Symbol]
- ⑦ ROCK CHANNEL PROTECTION, TYPE C, 24" THICK [Symbol]
- ⑧ VEHICLE REFUELING & MAINTENANCE [Symbol]
- ⑨ CONSTRUCTION ENTRANCE [Symbol]

**REFERENCE**  
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**ADMIN OFFICE & LIFE SQUAD 18**  
**NEW CONSTRUCTION**  
1865 EAST STATE STREET  
FREMONT, OH 43420

PROJECT TITLE:

ISSUE OR REVISION:

11.15.2024	BID ADDENDUM 2
10.24.2024	BID DRAWINGS
DATE	ISSUE / REVISION

DESIGNED: -  
DRAWN: -  
CHECKED: -

TPA COMMISSION NUMBER: **22009**

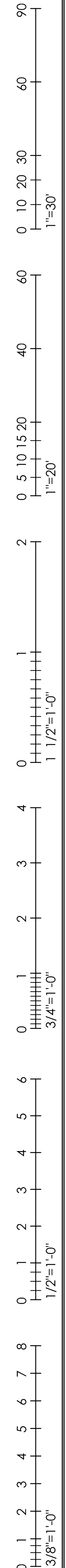
DRAWING TITLE:  
**SEDIMENT & SOIL  
EROSION PLAN (NORTH)**

BID DRAWINGS

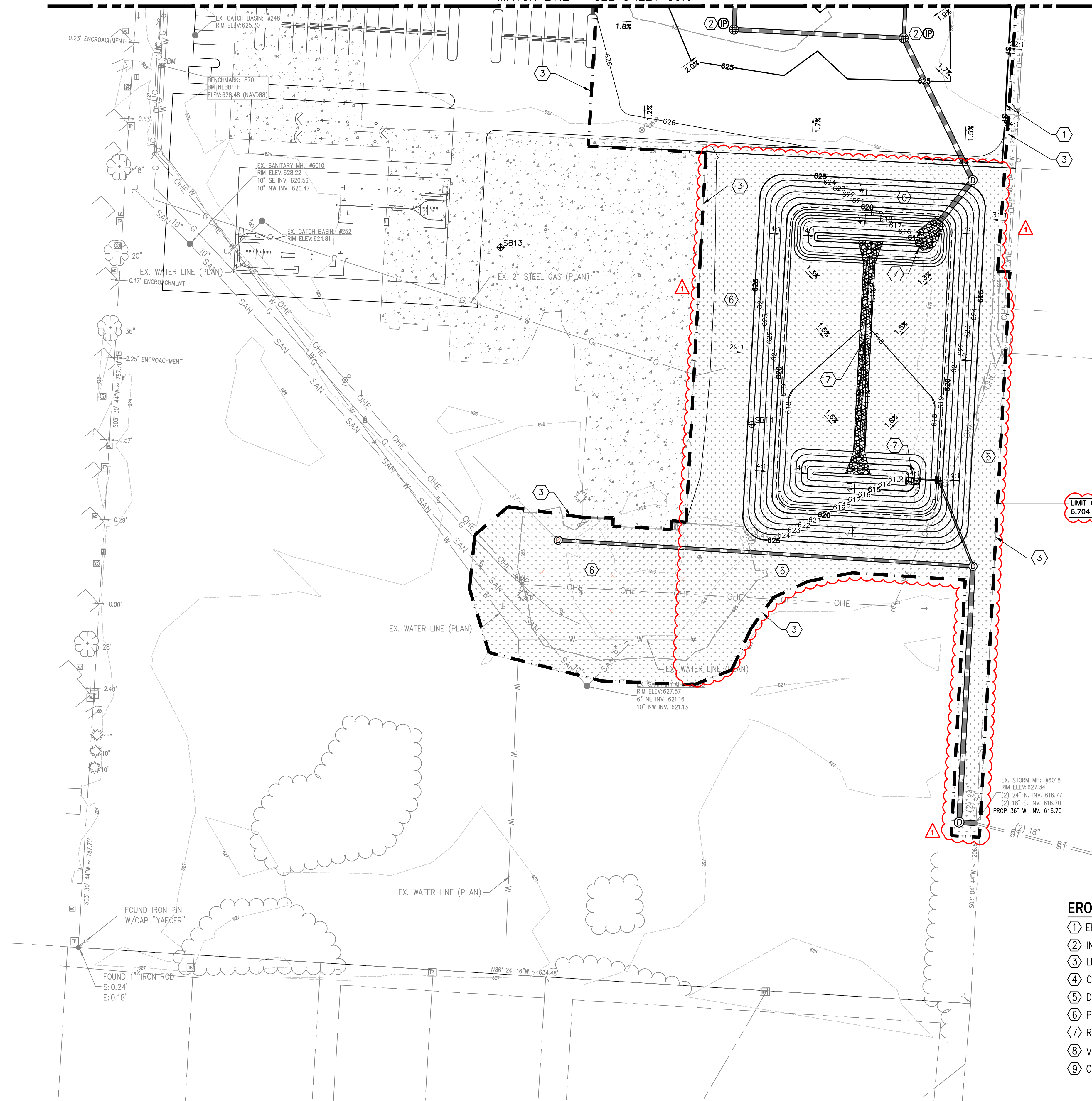
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**C5.0**

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MATCH LINE - SEE SHEET C5.0

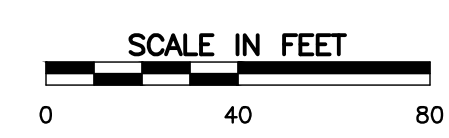


LIMIT OF DISTURBANCE  
6.704 ACRES (292,040 Ft<sup>2</sup>)

**EROSION CONTROL LEGEND**

- ① EROSION CONTROL FILTER FABRIC — SF —
- ② INLET PROTECTION (P)
- ③ LIMITS OF DISTURBANCE - - - - -
- ④ CONCRETE WASHOUT [Symbol]
- ⑤ DUMPSTER AND STORAGE AREAS FOR SOLID, SANITARY, AND TOXIC WASTES [Symbol]
- ⑥ PERMANENT SEEDING [Symbol]
- ⑦ ROCK CHANNEL PROTECTION, TYPE C, 24" THICK [Symbol]
- ⑧ VEHICLE REFUELING & MAINTENANCE [Symbol]
- ⑨ CONSTRUCTION ENTRANCE [Symbol]

**REFERENCE**  
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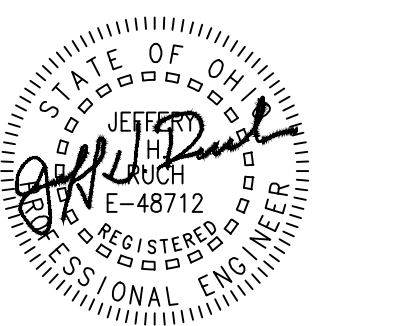
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DESIGNED: -  
DRAWN: -  
CHECKED: -

TPA COMMISSION NUMBER: 22009

DRAWING TITLE:  
**SEDIMENT & SOIL  
EROSION PLAN (SOUTH)**

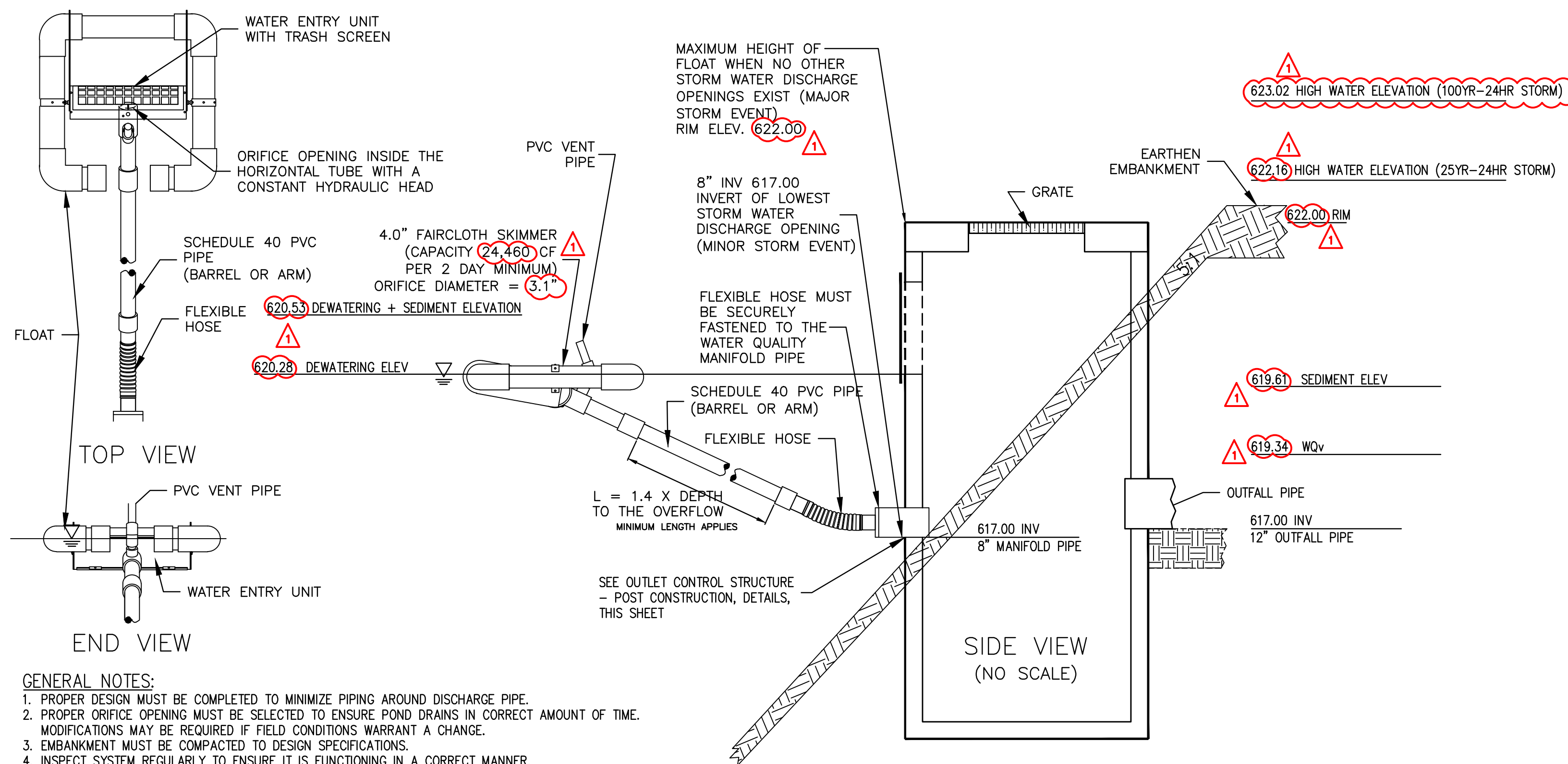
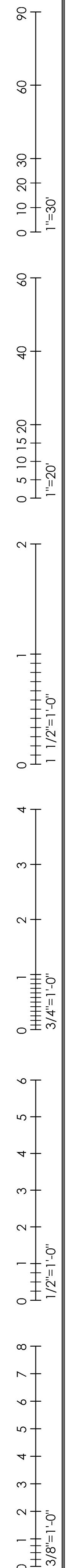
BID DRAWINGS

DRAWING NUMBER:

C5.1

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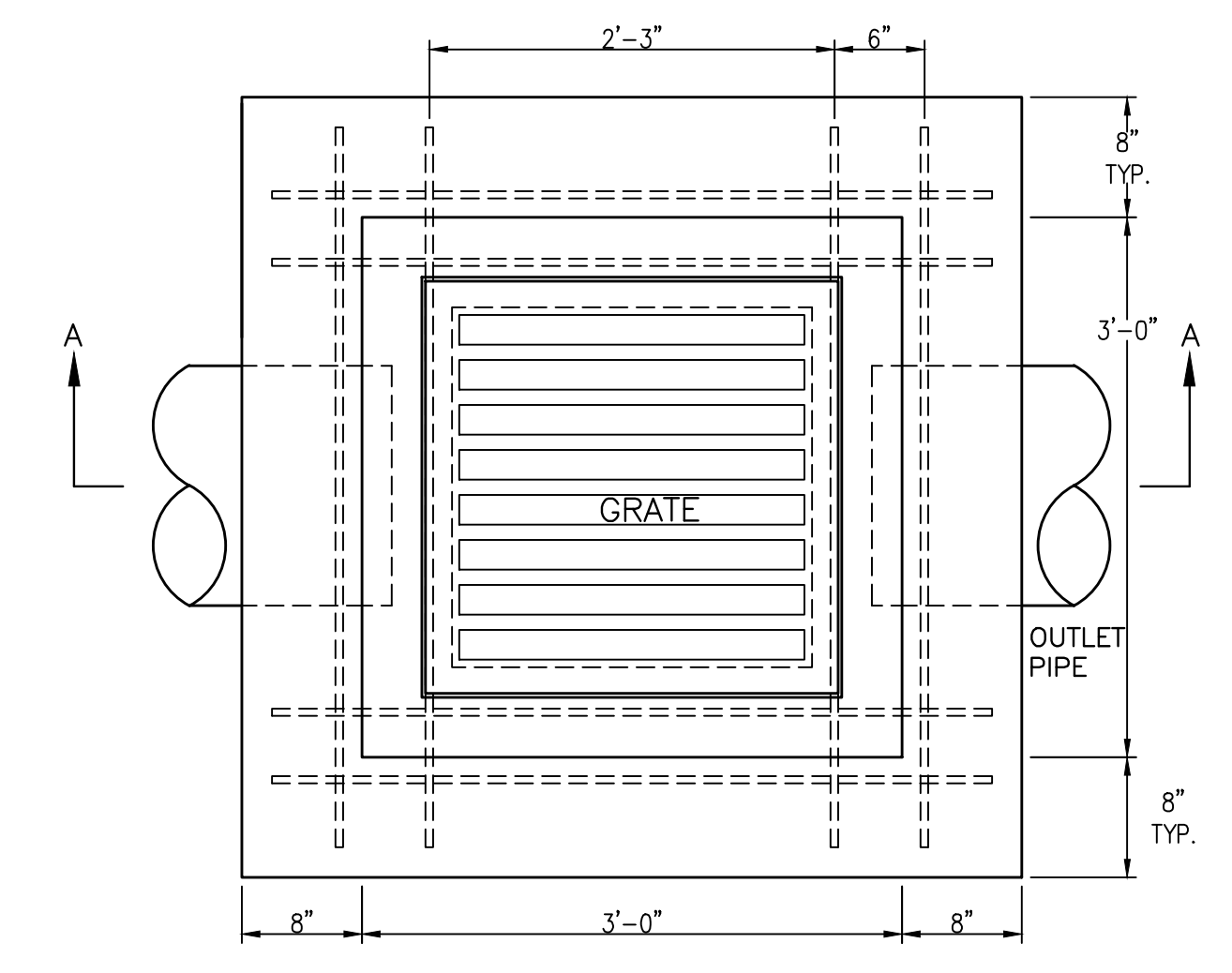




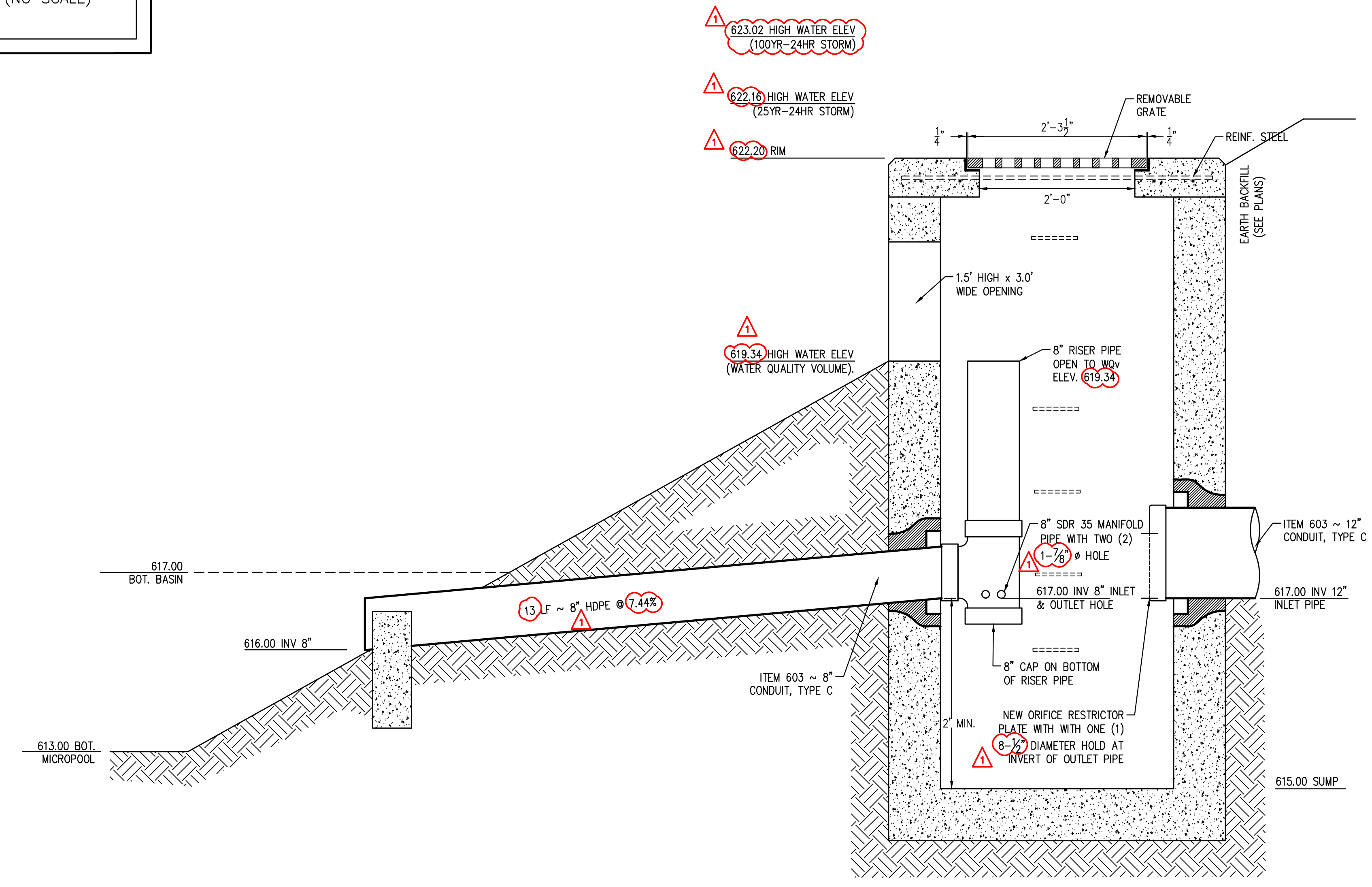
- GENERAL NOTES:**
1. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE.
  2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.
  3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS.
  4. INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
  5. THE FAIRCLOTH SKIMMER SHALL BE REMOVED WHEN FINAL STABILIZATION IS ESTABLISHED, SEE STORMWATER POLLUTION PREVENTION PLAN (SWP-3) NOTES ON SHEET CE 5-01-01

**SOUTH SEDIMENT BASIN - CONSTRUCTION WATER QUALITY SKIMMER DETAIL**

SCALE = NTS



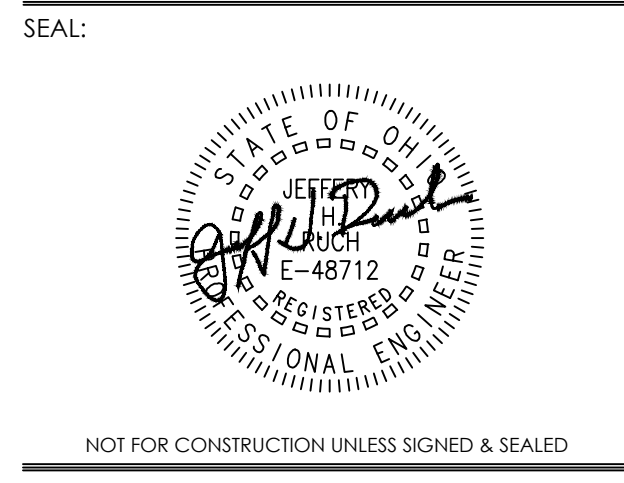
**PLAN VIEW (DETENTION)**  
(ODOT WQ1.1 CB)



**SECTION A-A (DETENTION)**  
(ODOT WQ1.1 CB)

**SOUTH OUTLET CONTROL STRUCTURE DETAIL - POST CONSTRUCTION**

SCALE = NTS



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11.15.2024	BID ADDENDUM 2
10.24.2024	BID DRAWINGS

DESIGNED: -  
DRAWN: -  
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TPA COMMISSION NUMBER: **22009**

DRAWING TITLE:  
**SEDIMENT & SOIL EROSION DETAILS**

BID DRAWINGS  
DRAWING NUMBER:

**C5.5**

GENERAL NOTES

- 1. BIDDERS SHALL VISIT AND EXAMINE THE SITE AND ALL CONTRACT DOCUMENTS. FAILURE OF A BIDDER TO BE ACQUAINTED WITH THE WORK WILL NOT BE CONSIDERED AS A BASIS FOR ADDITIONAL COMPENSATION.

STORM SEWER NOTES

- 1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ODOT DATED JANUARY 1, 2023, AND THE CITY OF FREMONT.

SANITARY SEWER NOTES

- 1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CONSTRUCTION STANDARDS AND SPECIFICATIONS OF ODOT DATED JANUARY 1, 2023, AND THE CITY OF FREMONT.

GRADING AND EARTHWORK

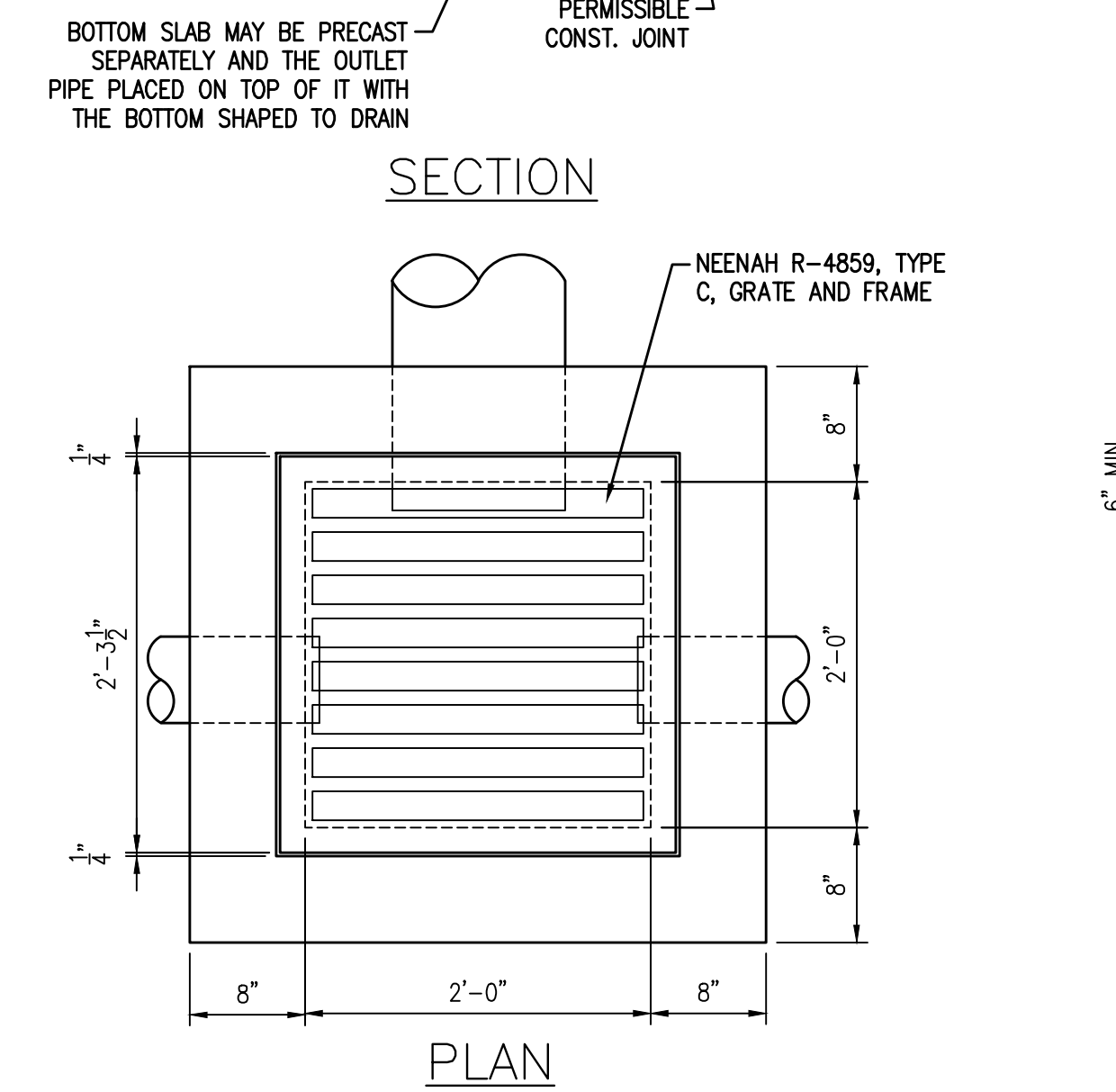
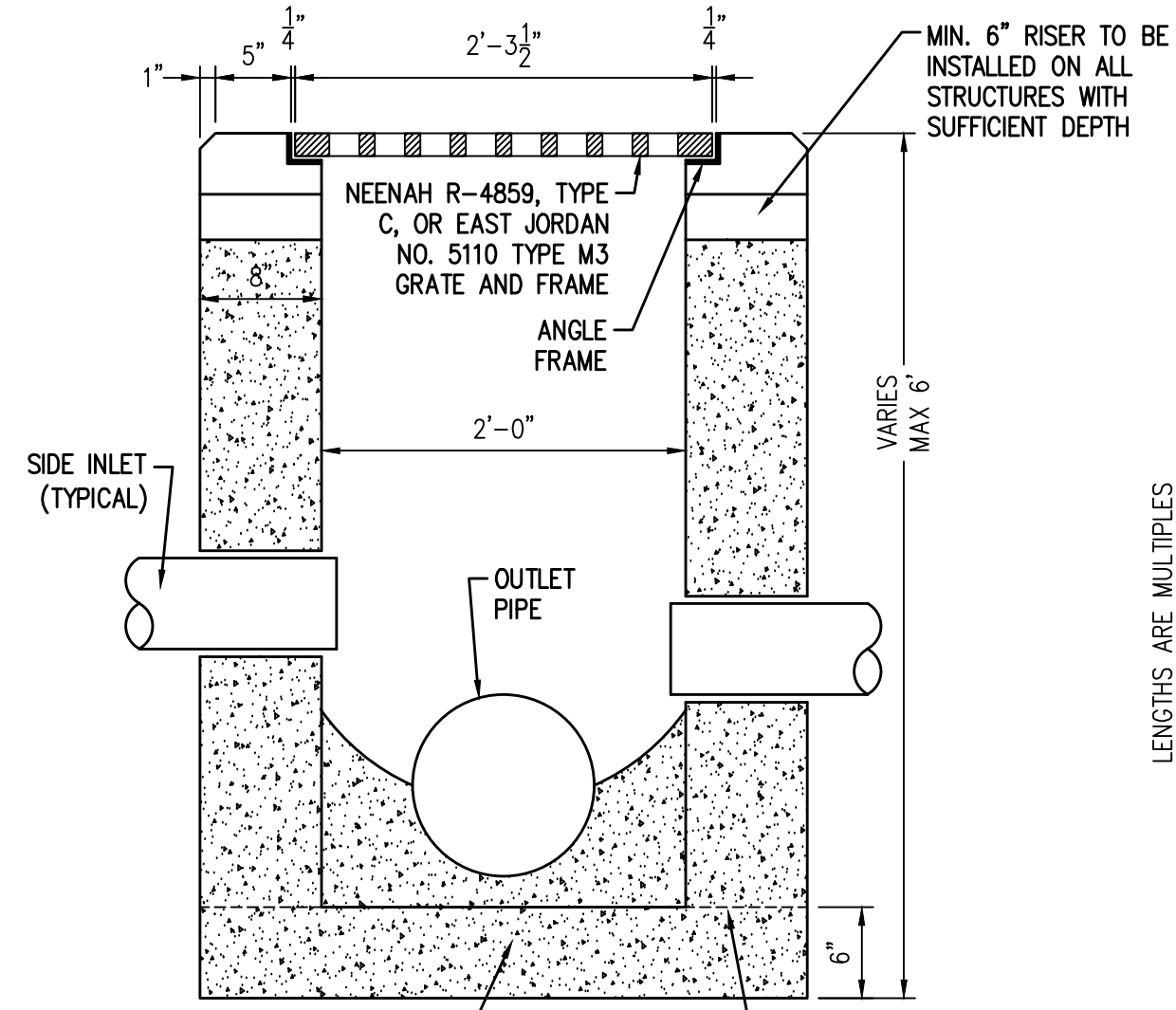
- 1. SOIL EROSION AND SEDIMENTATION CONTROL SHALL BE IN PLACE PRIOR TO STARTING ANY GRADING ACTIVITIES.

WATER LINE NOTES

- 1. IN GENERAL, ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN WATER WORKS ASSOCIATION STANDARDS AND SPECIFICATIONS.

DEMOLITION

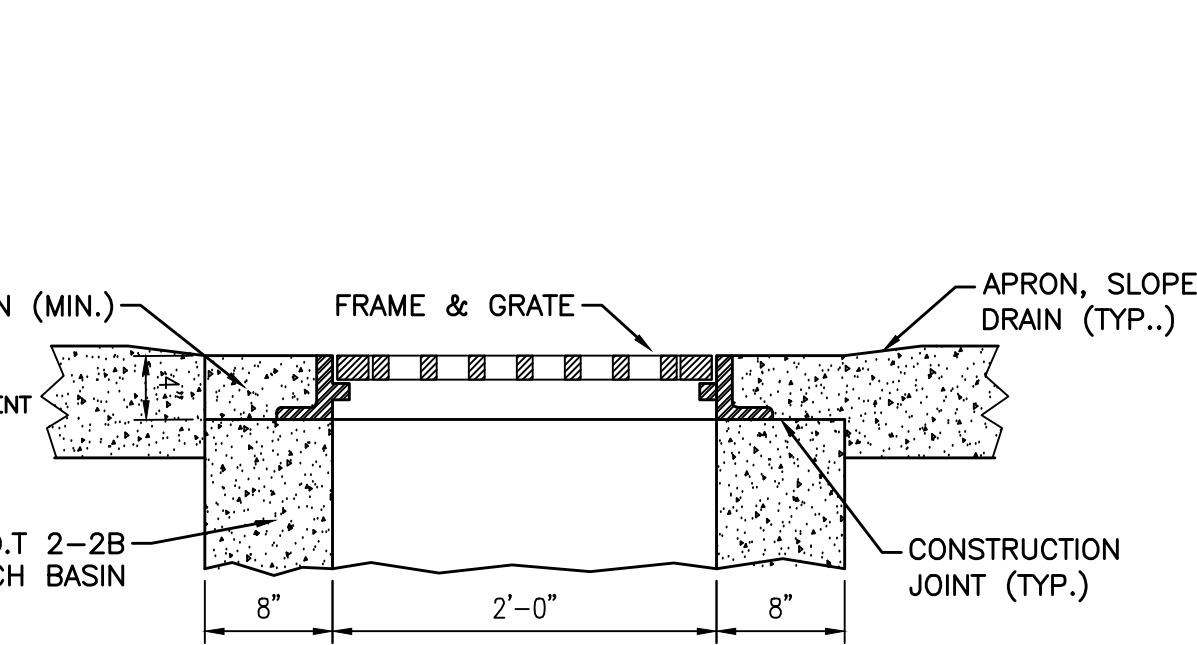
- 1. THE SCOPE OF REMOVAL WORK SHALL INCLUDE THE REMOVAL OF ALL EXISTING CONDITIONS AS REQUIRED TO ACCOMMODATE THE PROPOSED CONSTRUCTION AS INDICATED ON THESE PLANS.



NOTES (CATCH BASIN No. 2-2B):

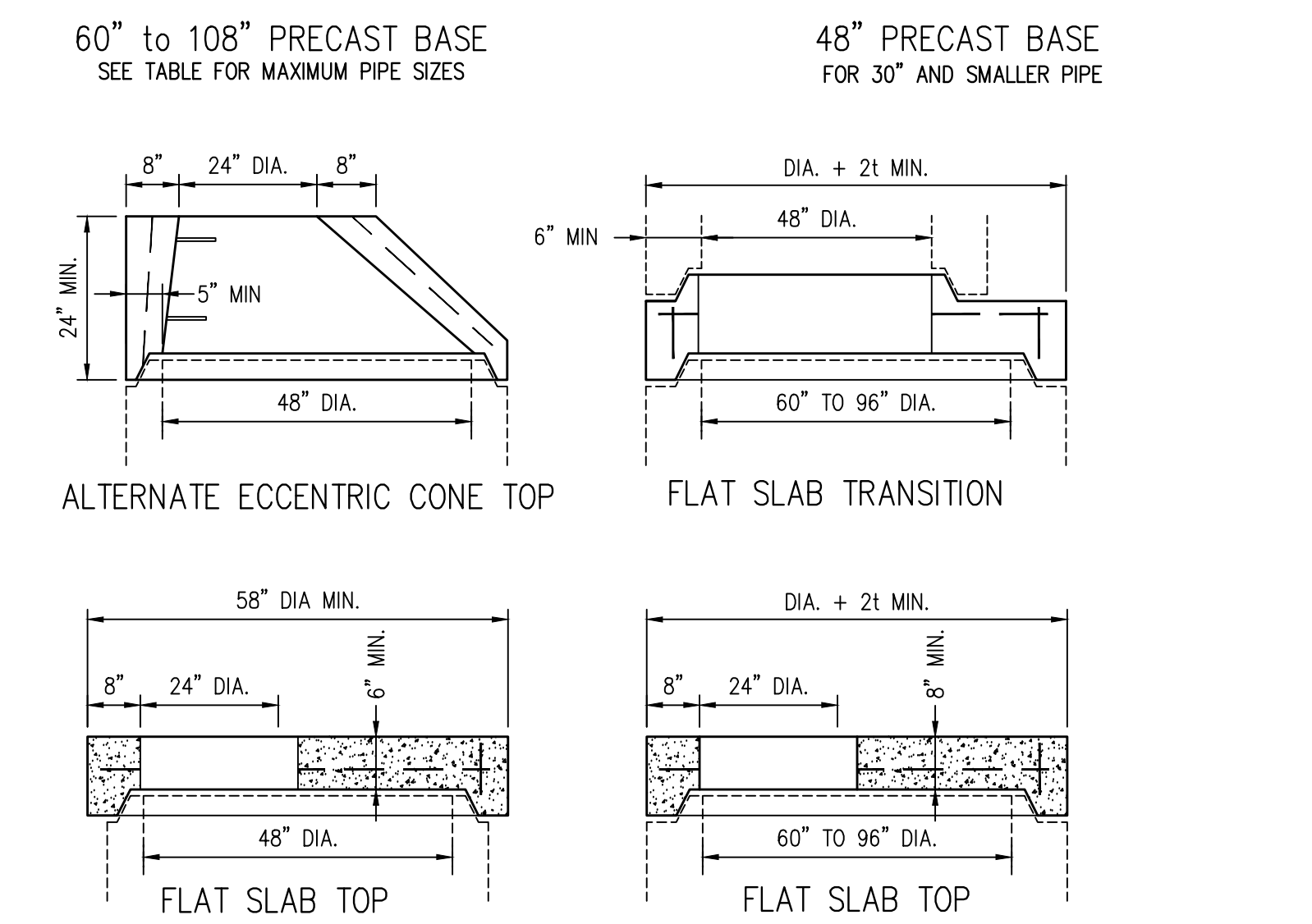
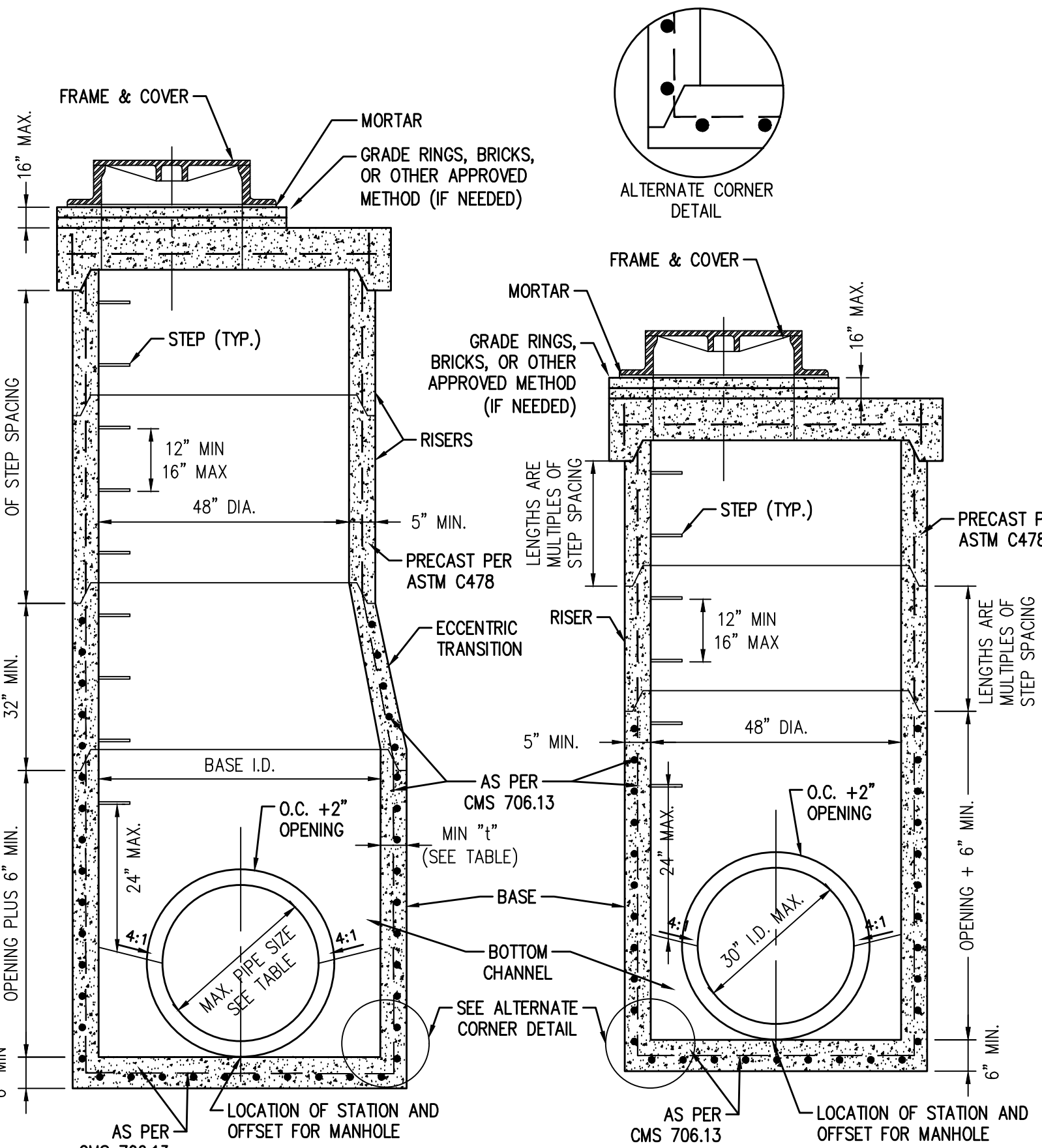
GRATE & FRAME: NEEHAH R-4859, TYPE S, BICYCLE SAFE GRATE. MINIMUM WEIGHT OF GRATE 120LBS. MINIMUM WEIGHT OF FRAME 40 LBS. ALL GRATE EDGE TO HAVE MINIMUM 1/4" RADIUS.

TYPICAL CATCH BASIN 2-2B DETAILS



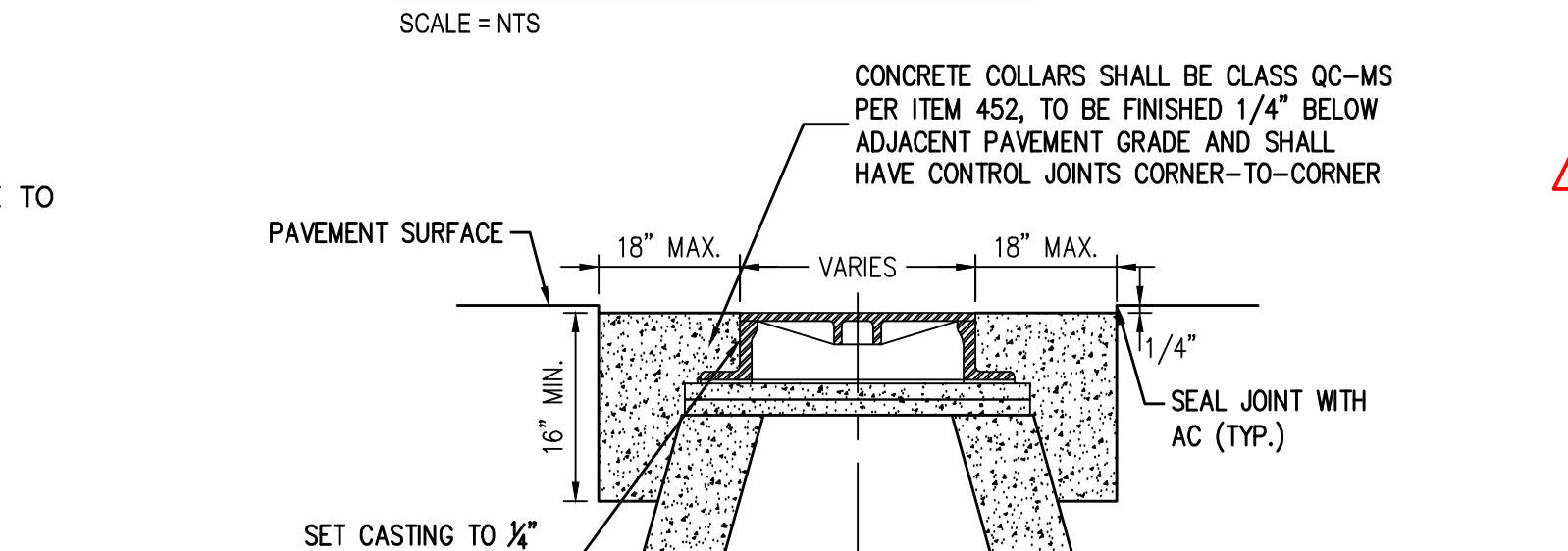
CB-2-2C FRAME & GRATE: WHERE THE CATCH BASIN IS SPECIFIED FOR USE IN A PARKING LOT, FURNISH NEEHAH NO. R-1878-ASG OR EJ NO. V-5622 (45622010) FRAME AND V-5622 (45622030) GRATE OR APPROVED EQUALS.

CATCH BASIN 2-2C DETAIL



- 1. ALL MANHOLES ARE TO BE PRECAST PER ASTM C478 UNLESS OTHERWISE APPROVED BY THE ENGINEER.

MANHOLE NO.3 DETAILS



- 1. FOR CONCRETE COLLARS ON FLAT TOP STRUCTURES, COLLARS SHALL BE PINNED TO THE TOP WITH TWO #4 BARS (ONE ON EACH SIDE IN THE DIRECTION OF TRAFFIC).

PAVEMENT MH/CB COLLAR DETAIL



8 North St. Clair - Toledo, Ohio 43604-1028
T 419.243.2400
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CONSULTANTS:
CEC Civil & Environmental Consultants, Inc.
One SeaGate Suite 2050 Toledo, OH 43604
Ph: 419.724.5281 www.cecinc.com

KABIL ASSOCIATES Engineers | Architects | Planners

mda engineering, inc. Mechanical and Electrical Engineers
1415 Holland Road Maumee, Ohio 43537
Phone: (419) 893-3141 Fax: (419) 893-0687

SEAL:



NOT FOR CONSTRUCTION UNLESS SIGNED & SEALED

SANDUSKY COUNTY EMS
ADMIN OFFICE & LIFE SQUAD 18
NEW CONSTRUCTION
1865 EAST STATE STREET
FREMONT, OH 43420

Table with columns: ISSUE OR REVISION, DATE, ISSUE / REVISION. Includes design and drawing dates.

TPA COMMISSION NUMBER: 22009
DRAWING TITLE: NOTES AND DETAILS

BID DRAWINGS
DRAWING NUMBER:

C6.0

0 1 2 3 4 5 6 7 8  
1/8" = 1'-0"

0 1 2 3 4 5 6 7 8  
1/2" = 1'-0"

0 1 2 3 4 5 6 7 8  
3/4" = 1'-0"

0 1 2 3 4 5 6 7 8  
1" = 1'-0"

0 1 2 3 4 5 6 7 8  
1 1/2" = 1'-0"

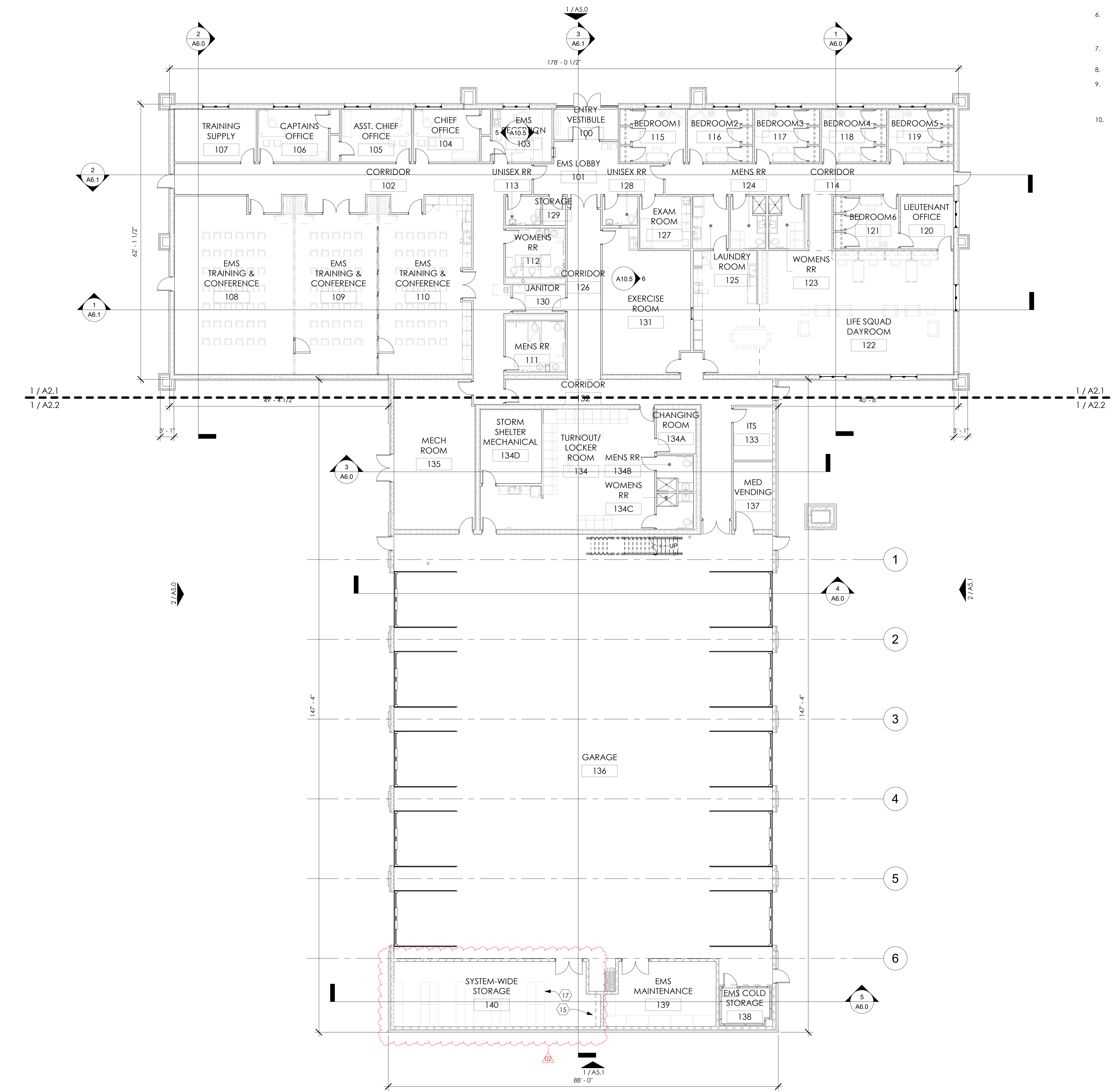
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2" = 1'-0"

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3" = 1'-0"

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4" = 1'-0"

0 1 2 3 4 5 6 7 8  
6" = 1'-0"

0 1 2 3 4 5 6 7 8  
12" = 1'-0"



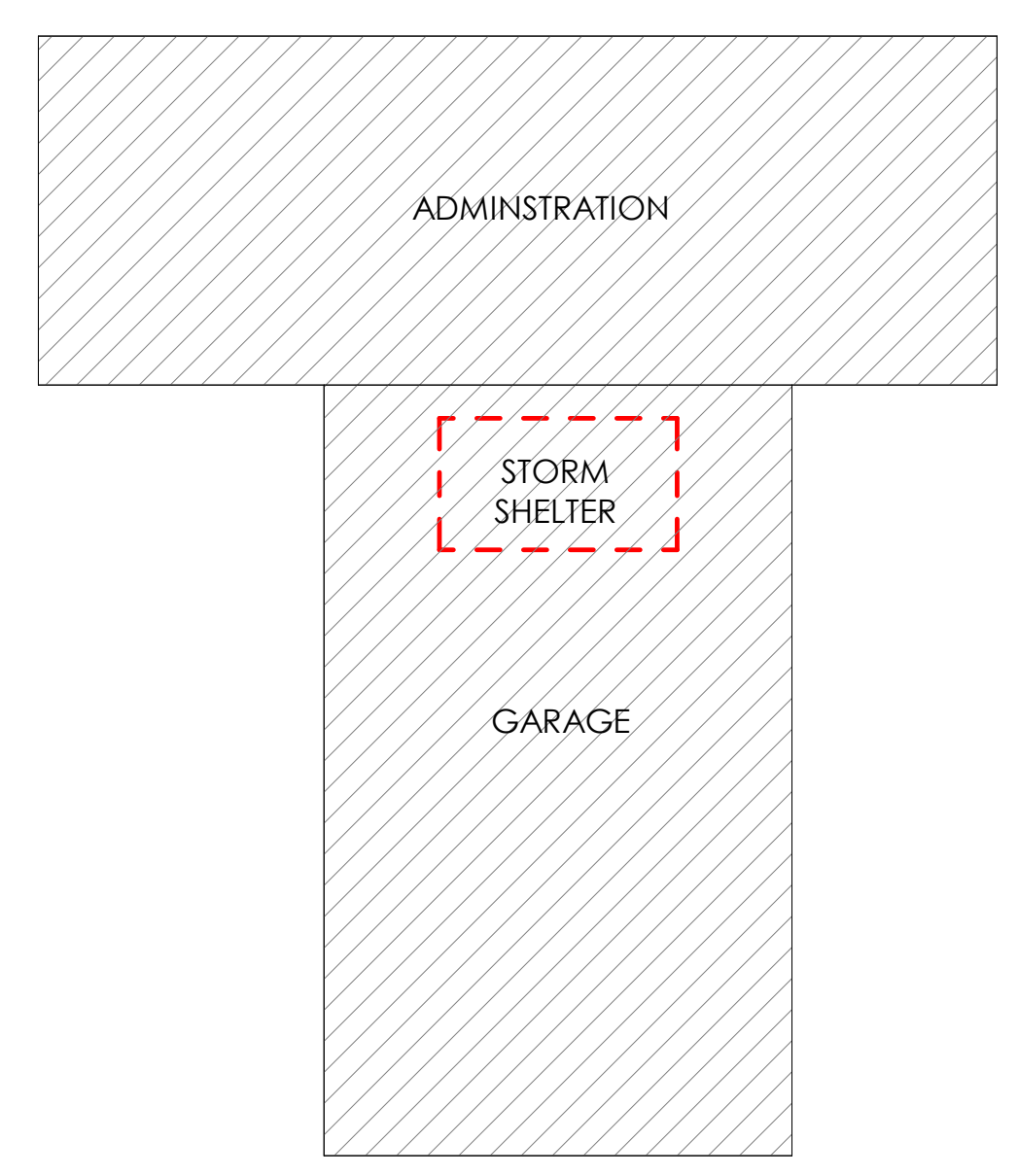
1  
A2.0  
3/32" = 1'-0"

- GENERAL NOTES:
- COORDINATE SIZE AND LOCATION OF ALL HOUSEKEEPING PADS AND/OR EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER.
  - COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT ARE REQUIRED TO BE PROVIDED BY TRADE. ALL LOCATIONS MUST BE COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE.
  - FLOOR PLANS ARE DIMENSIONED TO FACE OF STUD - TYPICAL.
  - DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK.
  - PROVIDE INTERIOR GYP RD CONTROL JOINTS @ 25' O.C. AT LOCATIONS SHOWN ON PLANS AND/OR INTERIOR ELEVATIONS OR AS DIRECTED BY ARCHITECT IN THE FIELD.
  - VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS.
  - REFER TO LS SERIES DRAWINGS FOR LOCATIONS OF REQUIRED FIRE RESISTANCE RATINGS, UL DESCRIPTIONS, AND JOINT DETAILS.
  - REFER TO A11 SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES
  - ALL INTERIOR PARTITIONS TO INCLUDE 5/8" TYPE X GYPSUM BOARD, U.N.O. GYP. BD. IS ALSO REQUIRED TO BE MR TYPE AT PARTITIONS WITH PLUMBING FIXTURES AND THROUGHOUT RESTROOMS, TYP.
  - ALL INTERIOR DOORS FRAMES SHALL BE PAINTED TO MATCH THE WALL IN WHICH THEY OCCUR. UNO.

- LIST OF ABBREVIATIONS
- FEC - FIRE EXTINGUISHER CABINET
  - FE - FIRE EXTINGUISHER (W/ WALL BRACKET)
  - EP - ELECTRICAL PANEL(S). PAINT SAME COLOR AS WALL SURFACE
  - CUH - CABINET UNIT HEATER
  - DF - DRINKING FOUNTAIN
  - EWC - ELECTRIC WATER COOLER
  - ADO - AUTOMATIC POWER DOOR OPERATOR PUSH BUTTON. SEE ELEC DWG'S

KEYNOTE LEGEND

15	PROVIDE (1) CLOSET SHELF WITH CLOSET ROD, EACH CLOSET WITHIN ROOM. SEE SPEC SECTION 10.5723 FOR REQUIREMENTS. SEE DETAIL 3/A3.1 FOR CLOSET CEILING HEIGHTS.
17	[18]- 2"WX4.6LX6"0TH POST AND BEAM METAL SHELVING. SEE SPEC SECTION 10.5613



KEY PLAN

PROJECT TITLE:  
**SCEMS ADMINISTRATIVE OFFICES & LIFE SQUAD 18**  
1865 E. STATE STREET  
FREMONT, OHIO 43420

ISSUE FOR REVISION:

11.15.2024	ADDENDUM 02
10.24.2024	ISSUED FOR BID

Date: \_\_\_\_\_ Revision Description: \_\_\_\_\_

DESIGNED: EF/AM  
DRAWN: EF/AM  
CHECKED: AK

TPA COMMISSION NUMBER: 22009

DRAWING TITLE:  
**OVERALL FIRST FLOOR PLAN**

DRAWING NUMBER:  
**A2.0**

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GENERAL NOTES:

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LIST OF ABBREVIATIONS

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- FE - FIRE EXTINGUISHER (W/ WALL BRACKET)
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- DF - DRINKING FOUNTAIN
- EWC - ELECTRIC WATER COOLER
- ADO - AUTOMATIC POWER DOOR OPERATOR PUSH BUTTON. SEE ELEC DWGS

SYMBOL LEGEND

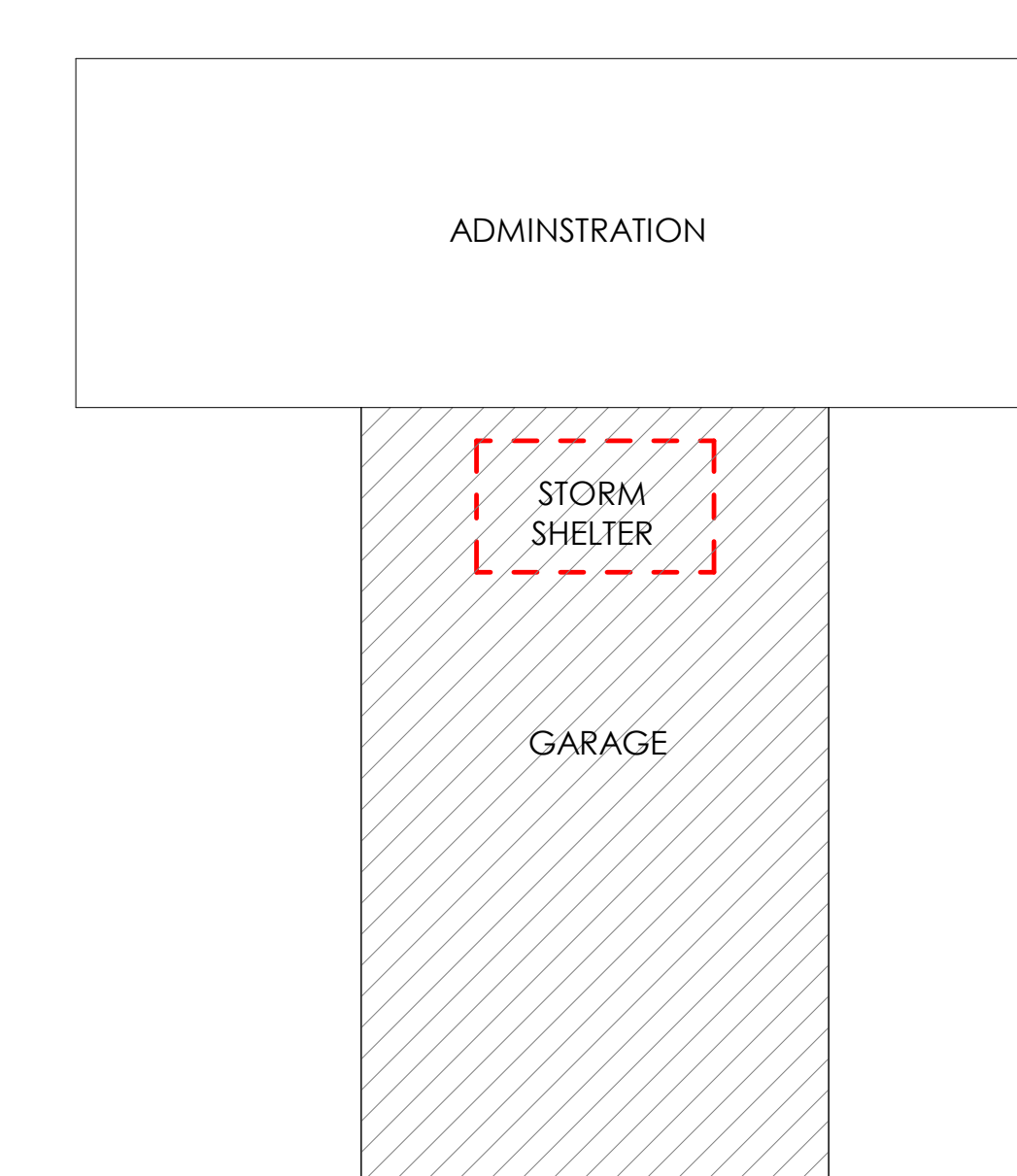
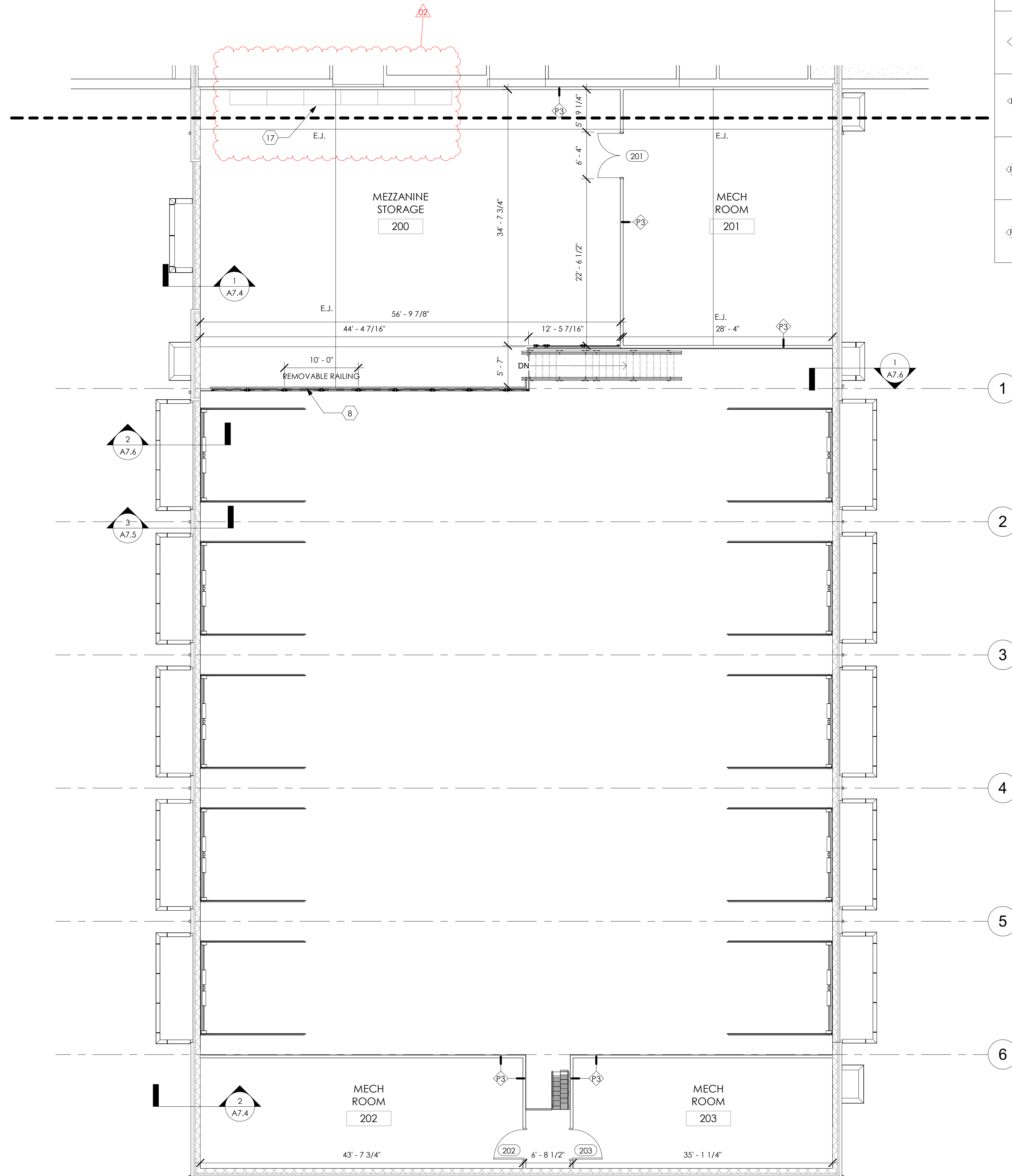
	DOOR TAG
	WALL TAG
	WINDOW TAG
	INTERIOR ELEVATION, SEE A8.0
	ROOM NAME
	ROOM TAG
	EXTERIOR ELEVATION, SEE A5.0 SERIES
	BUILDING SECTIONS, SEE A6.0 SERIES

WALL TYPE LEGEND

TAG #	PLAN VIEW	DESCRIPTION	TAG #	PLAN VIEW	DESCRIPTION
W1		EXTERIOR ICF WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" RAINSCREEN RAIL SYSTEM, 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE (ICF), (1) ONE LAYER 5/8" GYPSUM BOARD. REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	P5		(1) LAYERS OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS EACH SIDE, 1/2" UL 72 / LEVEL 3 RATED KEVLAR WALL PANEL UNDER (1) LAYER 5/8" GYPSUM BOARD ON ONE SIDE TO UNDERSIDE OF TRUSS
W2		EXTERIOR STUD WALL - 4MM COMPOSITE METAL PANEL, 2" ALUM EXTRUDED RAIN SCREEN SYSTEM, 2" RIGID INSULATION MIN R-11.4 W/ 1/4" GA 2 FURRING @ 24" O.C., 1/2" EXTERIOR SHEATHING, OVER 6" COLD FORMED STUDS. REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	P6		(1) 1/4" LAYER OF SOLID SURFACE, (1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS, 1'-0" AIR GAP, (1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS TO UNDERSIDE OF TRUSS
W3		EXTERIOR STUD WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" RAINSCREEN RAIL SYSTEM, 2" RIGID INSULATION MIN R-11.4 W/ 1/4" GA 2 FURRING @ 24" O.C., 1/2" EXTERIOR SHEATHING, OVER 6" COLD FORM STUDS. REFER TO STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS	P7		(1) 1/4" LAYER OF SOLID SURFACE, (1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS, 4-3/4" AIR GAP, (1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS TO UNDERSIDE OF TRUSS
W4		EXTERIOR CMU WALL - 4" BRICK VENEER, 2" AIR SPACE, 2" RIGID INSULATION MIN R-11.4 OVER 8" CMU	P8		(1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS (1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OF 5/8" GYPSUM BOARD TO UNDERSIDE OF TRUSS
W5		EXTERIOR CMU WALL - 4" BRICK VENEER, 2" AIR SPACE OVER 8" CMU BLOCK WALL	P9		(1) LAYER OF 5/8" GYPSUM BOARD OVER 6" COLD FORM STUDS (1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OF 5/8" GYPSUM BOARD TO UNDERSIDE OF TRUSS
W6		EXTERIOR CMU WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" RAINSCREEN RAIL SYSTEM, 2" RIGID INSULATION MIN R-11.4 W/ 1/4" GA 2 FURRING @ 24" O.C., OVER 8" CMU	P10		INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD OVER 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE AND (1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OF 5/8" GYPSUM ON ONE SIDE TO UNDERSIDE OF TRUSS
P1		INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD ON BOTH SIDES OF 2-5/8" RIGID INSULATION, 8" REINFORCED CONCRETE CORE TO UNDERSIDE OF STRUCTURAL CONCRETE CAP	P11		(1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OF 5/8" GYPSUM BOARD BOTH SIDES OVER 3-5/8" COLD FORM STUDS TO UNDERSIDE OF TRUSS
P2		INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD ON ONE SIDE OF 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE, 6" COLD FORM STUDS WITH (1) LAYER 5/8" GYPSUM BOARD ONE SIDE TO UNDERSIDE OF STRUCTURAL CONCRETE CAP OR TRUSS.	P12		(1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OF 5/8" GYPSUM BOTH SIDES OVER 6" COLD FORM STUDS TO UNDERSIDE OF TRUSS
P3		(1) LAYER OF 5/8" GYPSUM BOARD OVER 6" COLD FORM STUDS EACH SIDE TO UNDERSIDE OF TRUSS	P13		(1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER EACH SIDE 3-5/8" COLD FORM STUDS WITH SOUND ATTENUATING SPRAY-IN INSULATION TO UNDERSIDE OF ROOF DECK
P4		(1) LAYER OF 5/8" GYPSUM BOARD OVER 6" COLD FORM STUDS EACH SIDE TO UNDERSIDE OF TRUSS	P14		1/2 HOUR RATED WALL UL #U419
					8" CMU BLOCK WALL

KEYNOTE LEGEND

- 8' WIDE SECTION OF MEZZANINE GUARDRAIL TO BE REMOVABLE. INSTALL SLEEVES WITHIN MEZZANINE CONCRETE FLOOR. REFER TO SPEC SECTION 05 2213 FOR GUARDRAIL FABRICATION REQUIREMENTS.
- (18) - 2"Wx4"Lx6"O'D POST AND BEAM METAL SHELVING. SEE SPEC SECTION 10 5613



KEY PLAN

1 SECOND FLOOR MEZZANINE PLAN  
A2.3 1/8" = 1'-0"

ISSUE FOR REVISION:

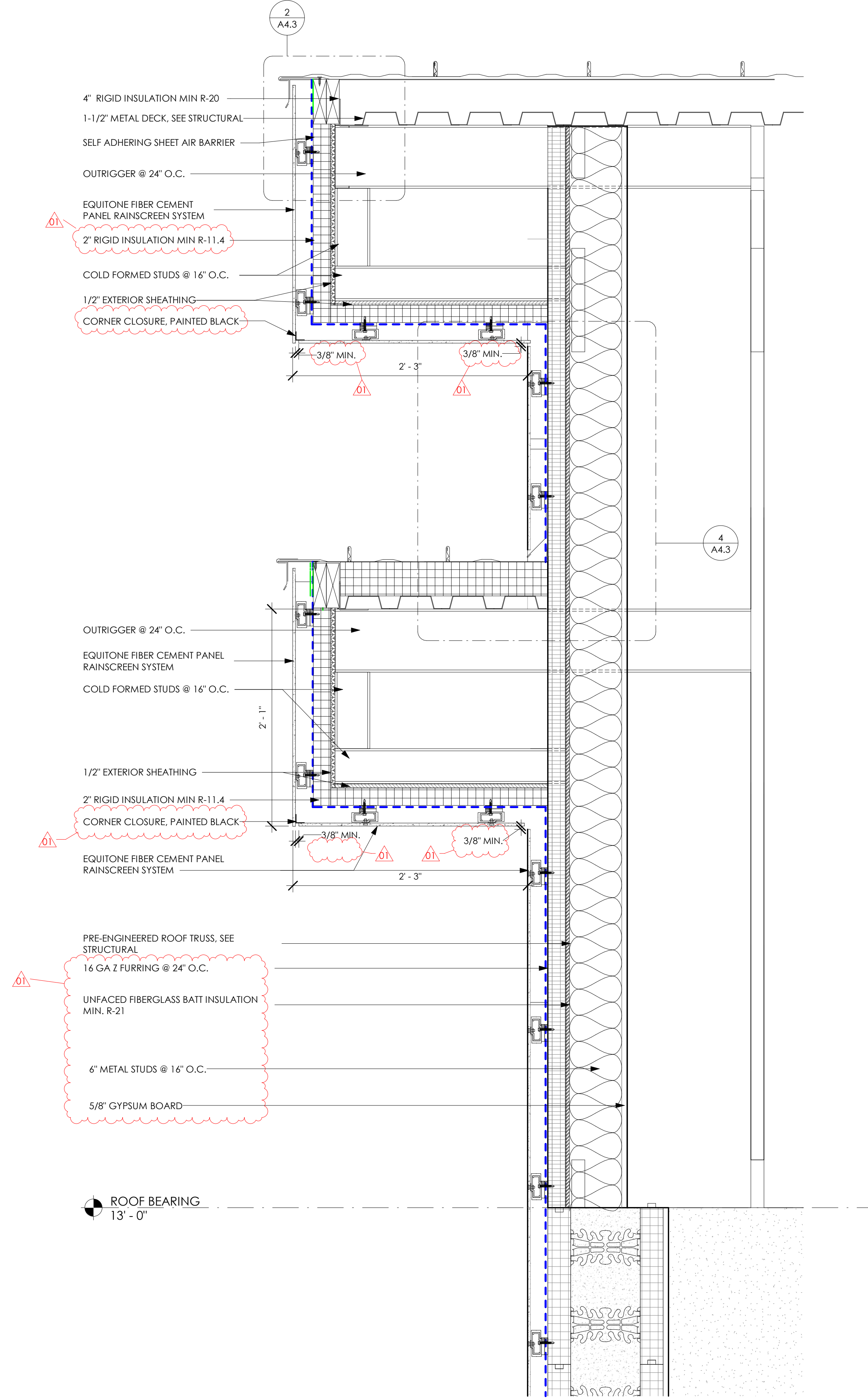
11.15.2024	ADDENDUM 02	
11.11.2024	ADDENDUM 01	
10.24.2024	ISSUED FOR BID	

Date Revision Description  
DESIGNED: EF/AM  
DRAWN: EF/AM  
CHECKED: AK

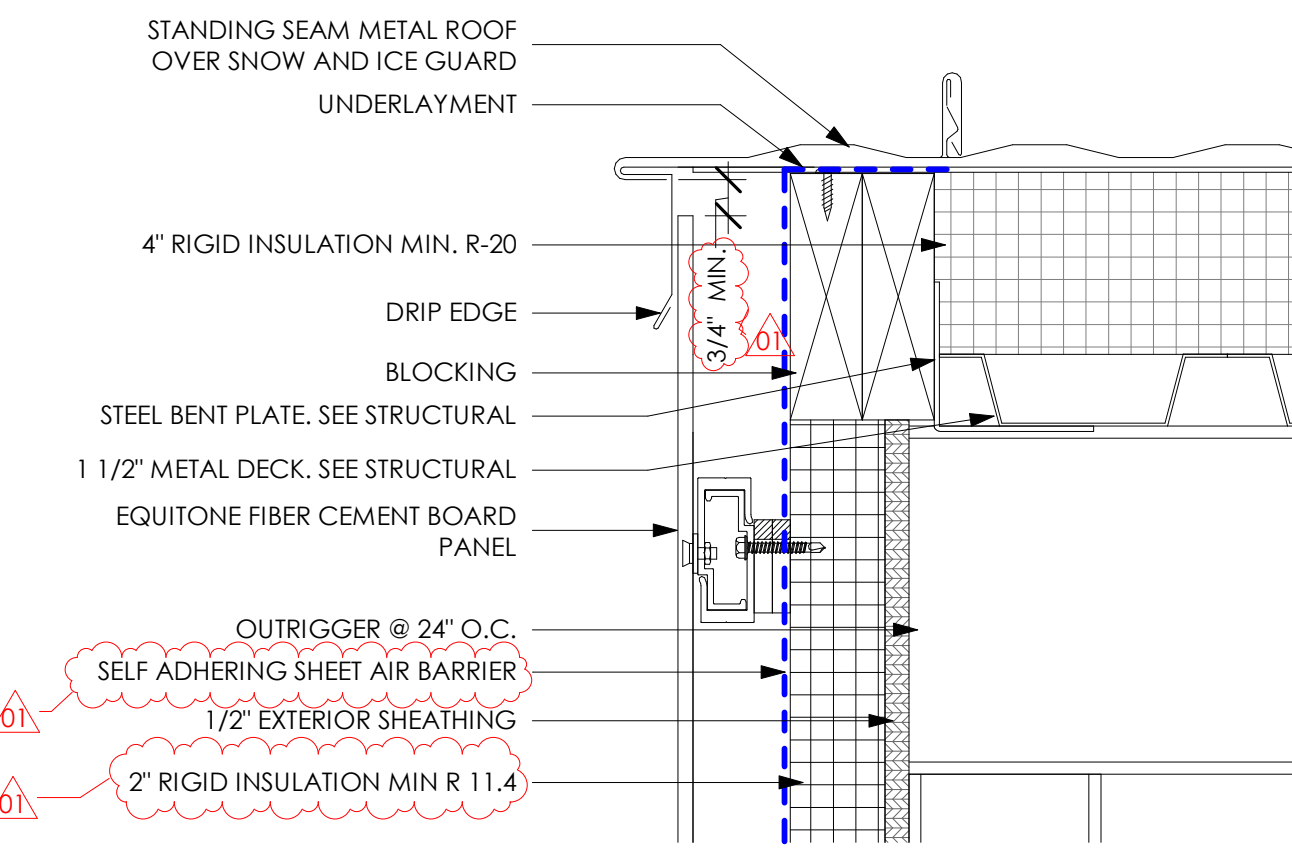
TPA COMMISSION NUMBER: 22009  
DRAWING TITLE:  
**SECOND FLOOR MEZZANINE PLAN**

DRAWING NUMBER:  
**A2.3**

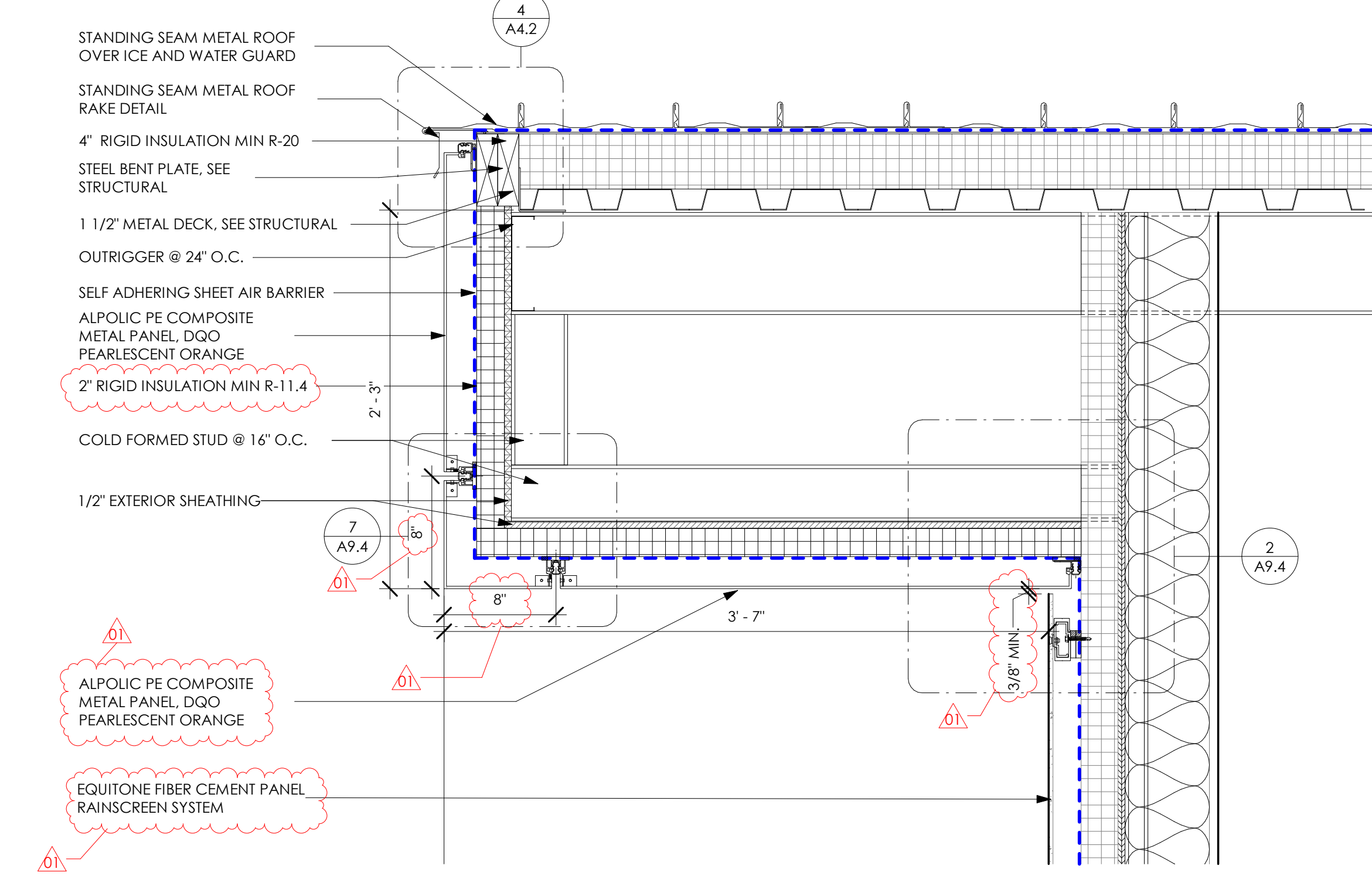
9  
0 10 20 30  
1" = 30"  
6  
0  
6  
0  
0 0 1 2 3  
1" = 20"  
2  
0 0 1 1 2  
1" = 20"  
1  
0 1 2 3 4  
1 1/2" = 1'-0"  
2  
0 0 1 1 2 3  
3/4" = 1'-0"  
1  
0 0 1 2 3 4  
1 1/2" = 1'-0"  
2  
0 0 1 2 3 4 5 6  
1 1/2" = 1'-0"  
1  
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3/8" = 1'-0"  
1  
0 0 1 2 3 4 5 6 7 8  
3/8" = 1'-0"



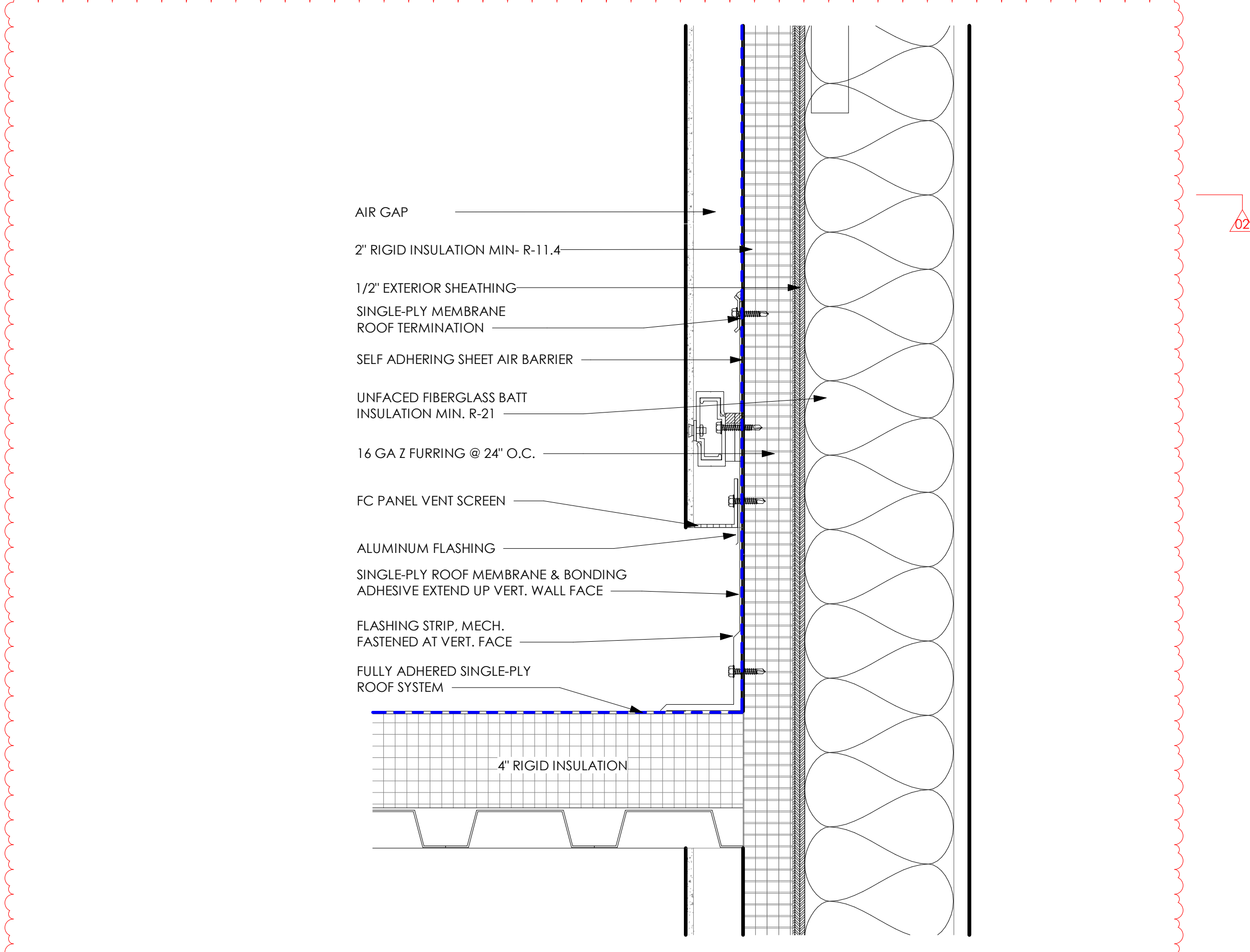
**1 ROOF DETAIL**  
A4.3 1 1/2" = 1'-0"



**2 FIBER CEMENT BOARD RAKE DETAIL**  
A4.3 3' = 1'-0"



**3 ROOF DETAIL**  
A4.3 1 1/2" = 1'-0"



**4 ROOF DETAIL**  
A4.3 3' = 1'-0"

PROJECT TITLE:  
**SCEMS ADMINISTRATIVE OFFICES & LIFE SQUAD 18**  
1865 E. STATE STREET  
FREMONT, OHIO 43420

ISSUE FOR REVISION:

Date	Revision Description
11.15.2024	ADDENDUM 02
11.11.2024	ADDENDUM 01
10.24.2024	ISSUED FOR BID

DESIGNED: EF/AM  
DRAWN: EF/AM  
CHECKED: AK

TPA COMMISSION NUMBER: 22009

DRAWING TITLE:  
**ROOF DETAILS**

DRAWING NUMBER:  
**A4.3**

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CONSULTANTS:



SEAL:



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**SCEMS ADMINISTRATIVE  
 OFFICES & LIFE SQUAD 18**  
 1865 E. STATE STREET  
 FREMONT, OHIO 43420

PROJECT TITLE:

ISSUE FOR REVISION:

DATE	REVISION DESCRIPTION
11.15.2024	ADDENDUM 02
10.24.2024	ISSUED FOR BID

Date: \_\_\_\_\_

DESIGNED: EF/AM

DRAWN: EF/AM

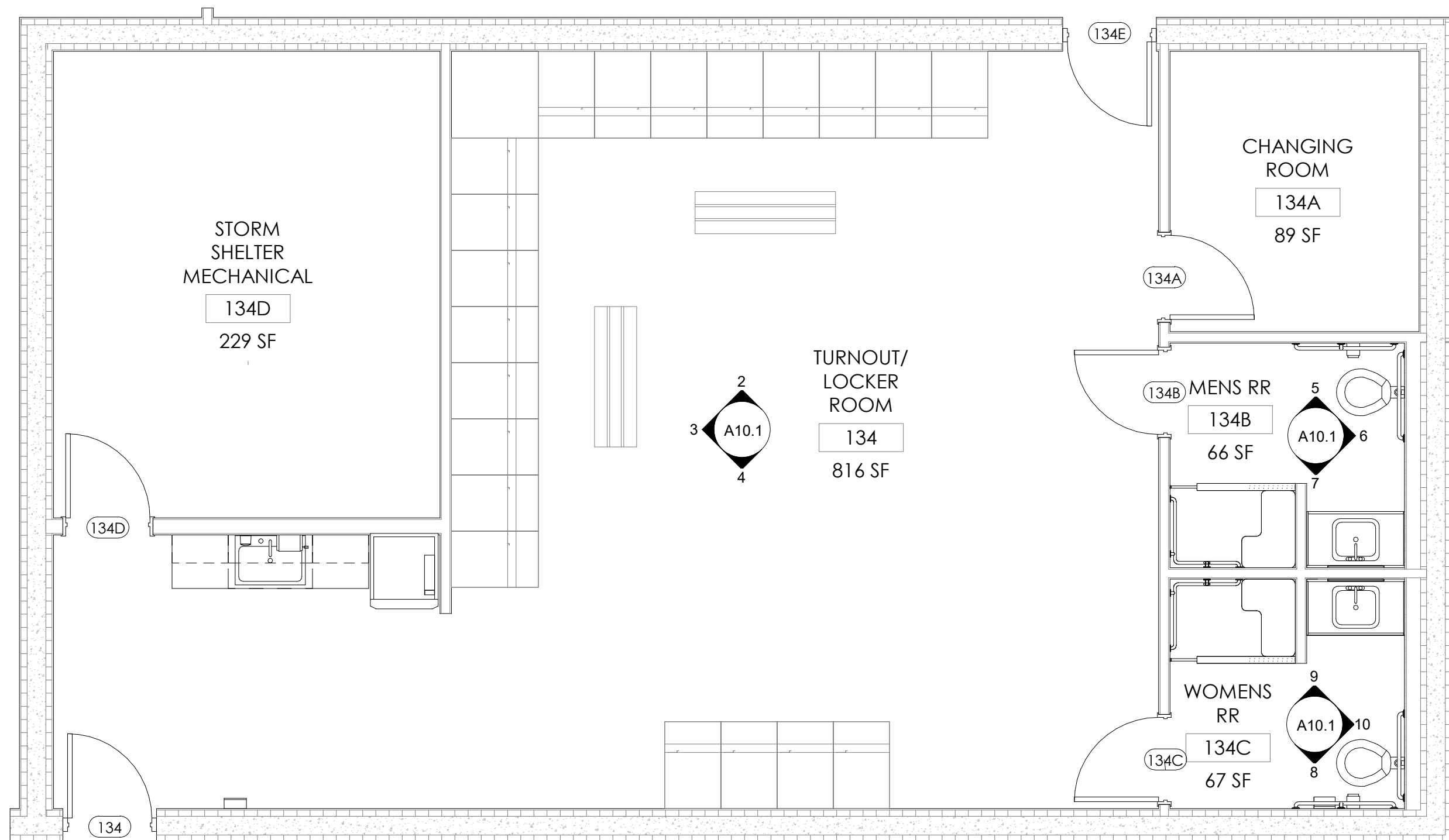
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TPA COMMISSION NUMBER: 22009

DRAWING TITLE:  
**ENLARGED  
 PLANS &  
 ELEVATIONS**

DRAWING NUMBER:

**A10.1**



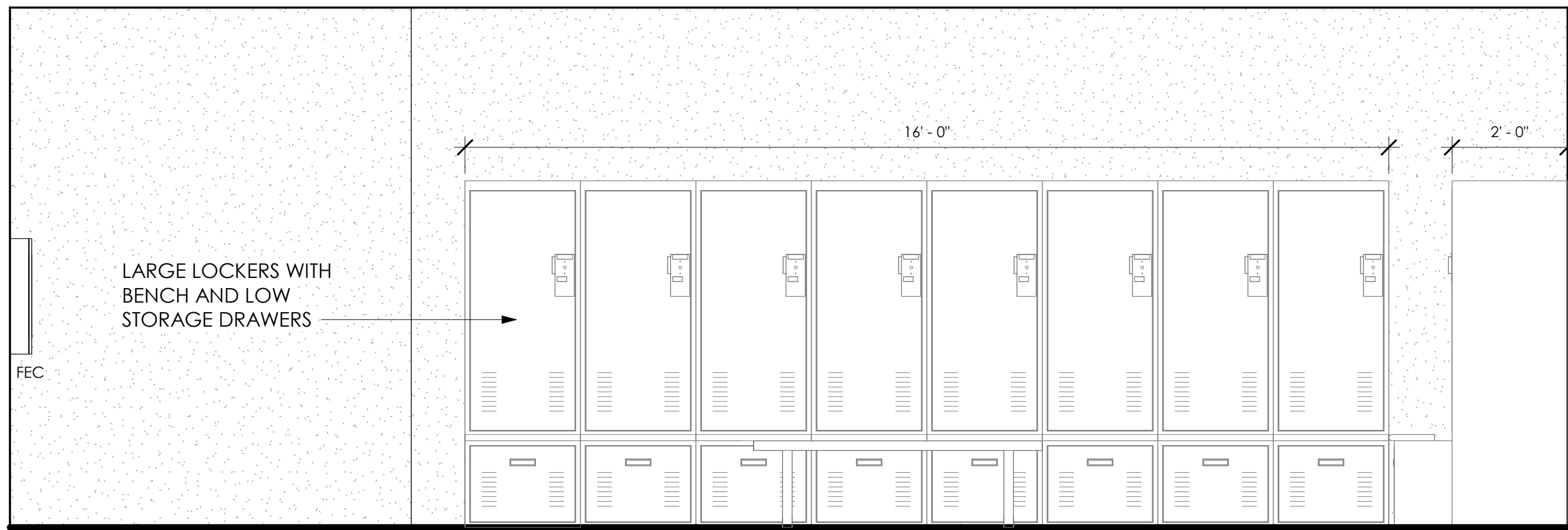
1 TURNOUT / LOCKER ROOM ENLARGED PLAN

A10.1 1/4" = 1'-0"



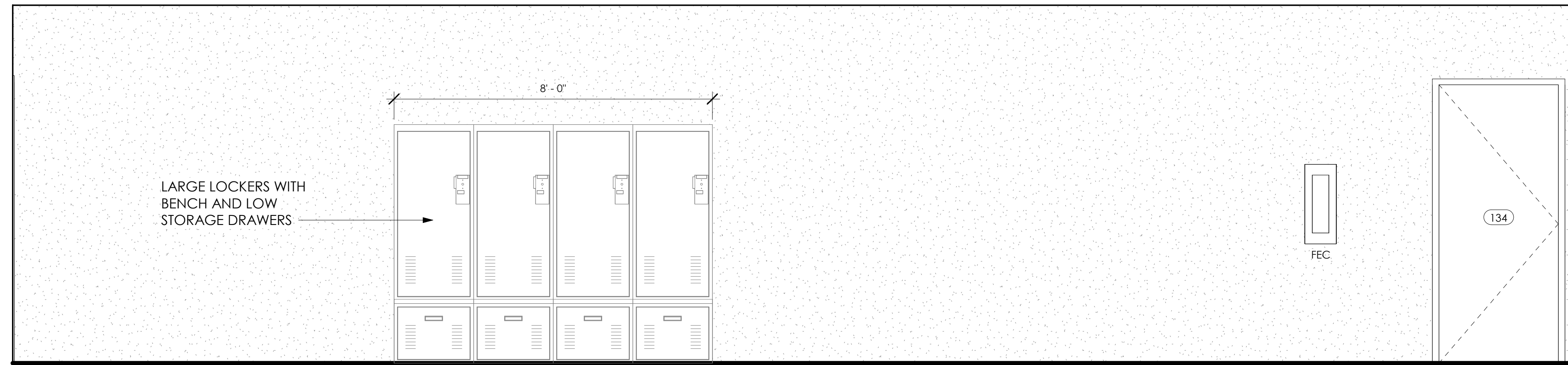
2 TURNOUT / LOCKER ROOM

A10.1 1/2" = 1'-0"



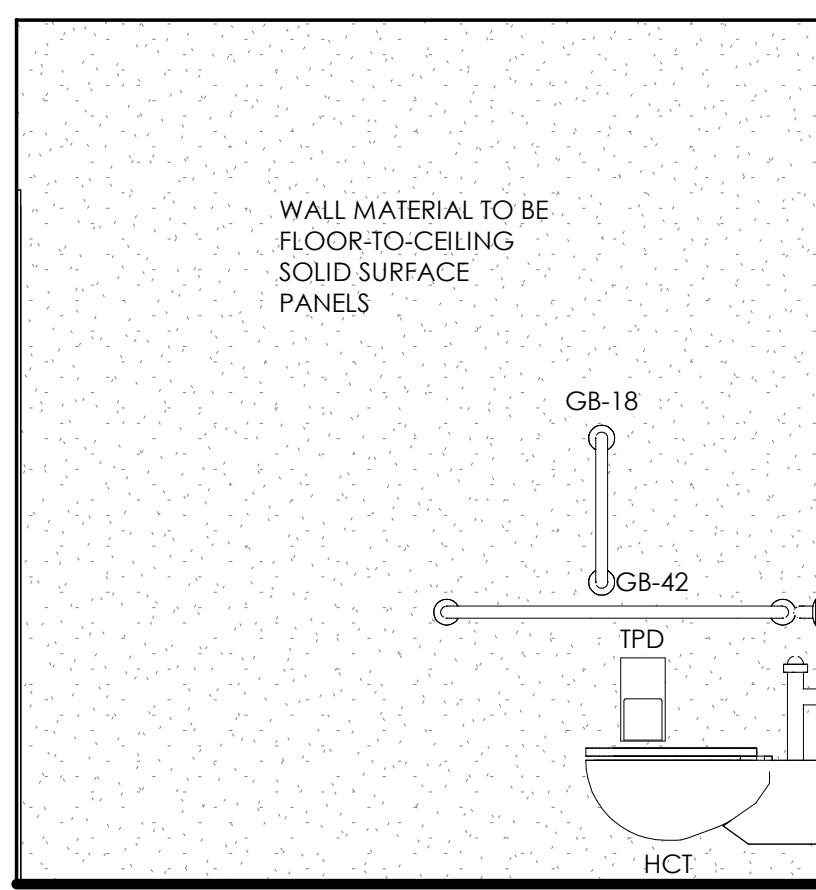
3 TURNOUT / LOCKER ROOM

A10.1 1/2" = 1'-0"



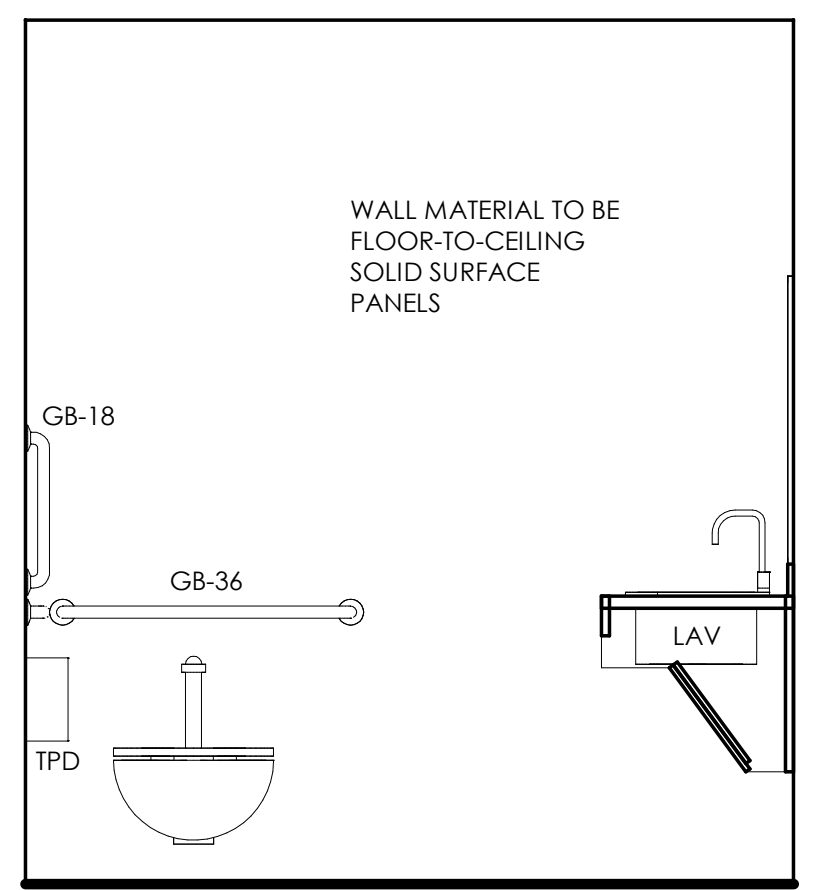
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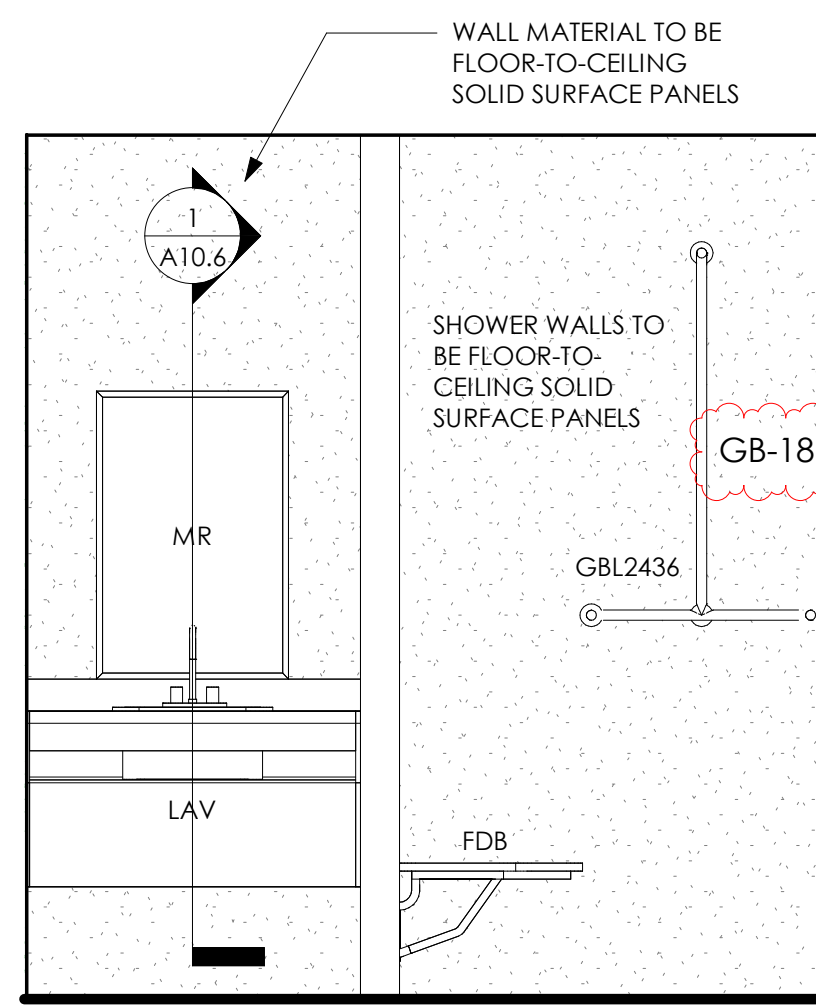
5 MEN'S RESTROOM 134B

A10.1 1/2" = 1'-0"



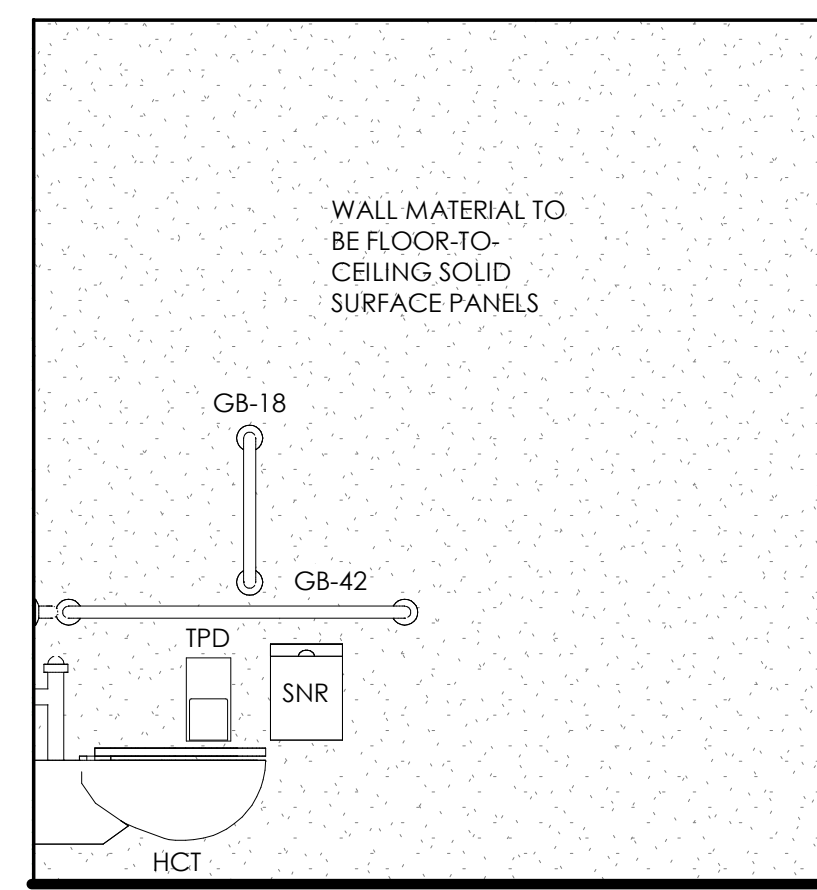
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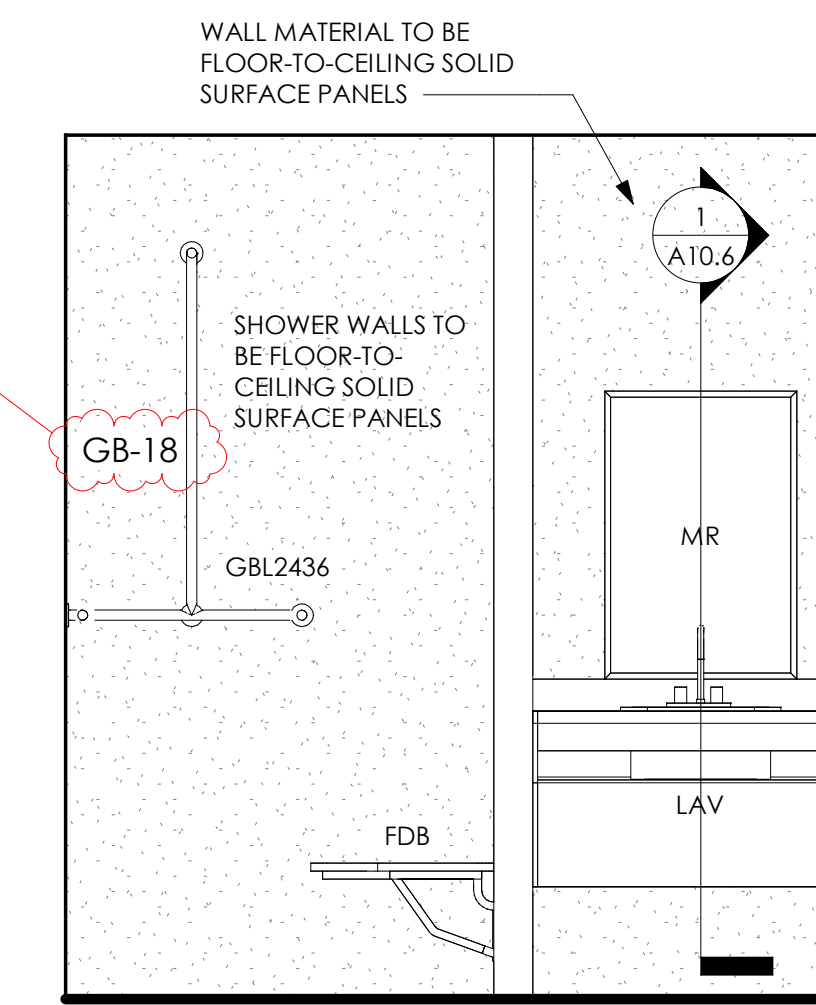
7 MEN'S RESTROOM 134B

A10.1 1/2" = 1'-0"



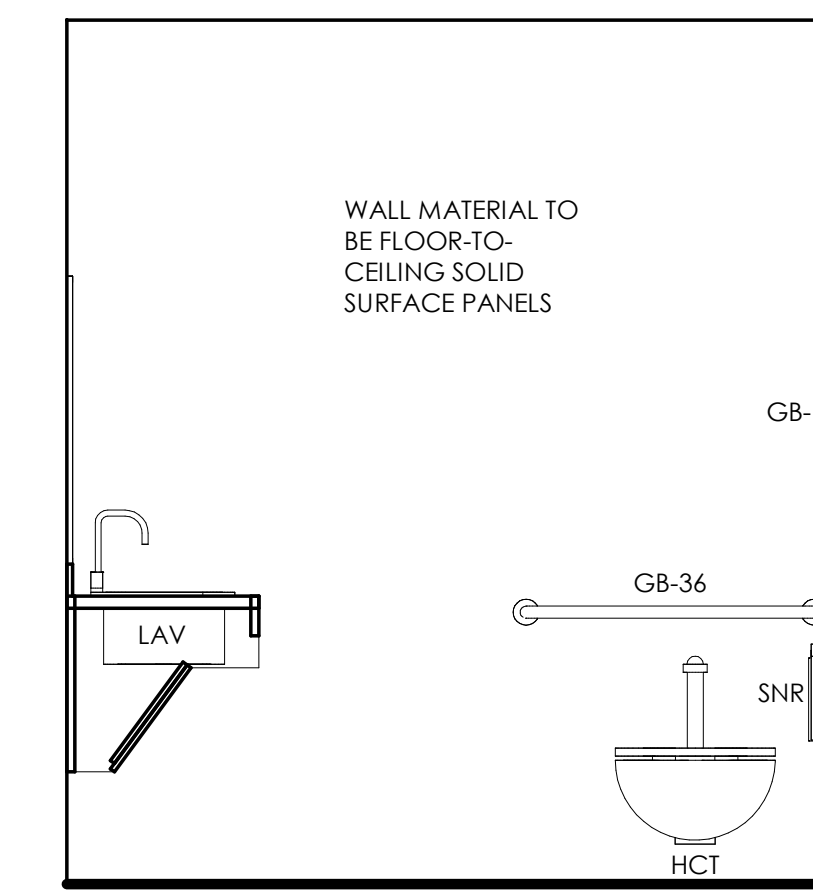
8 WOMEN'S RESTROOM 134C

A10.1 1/2" = 1'-0"



9 WOMEN'S RESTROOM 134C

A10.1 1/2" = 1'-0"



10 WOMEN'S RESTROOM 134C

A10.1 1/2" = 1'-0"

9  
6  
3  
0  
1/2" = 1'-0"

6  
3  
0  
1/2" = 1'-0"

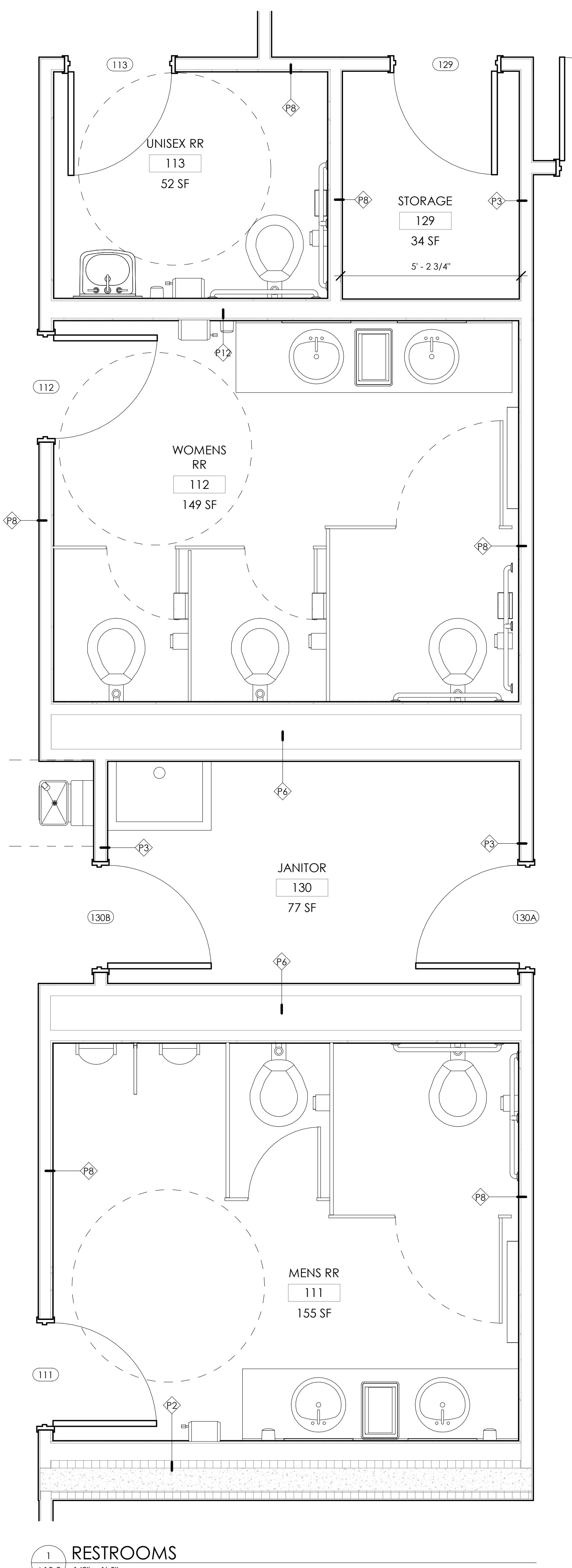
2  
0  
1/2" = 1'-0"

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

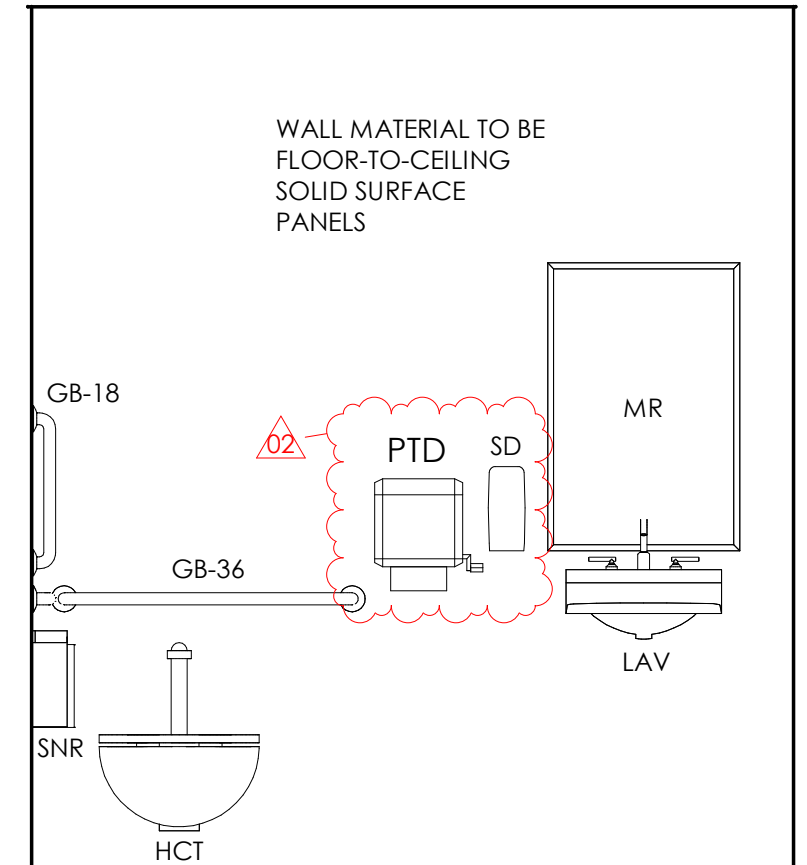
4  
3  
2  
1  
0  
1/2" = 1'-0"

6  
5  
4  
3  
2  
1  
0  
1/2" = 1'-0"

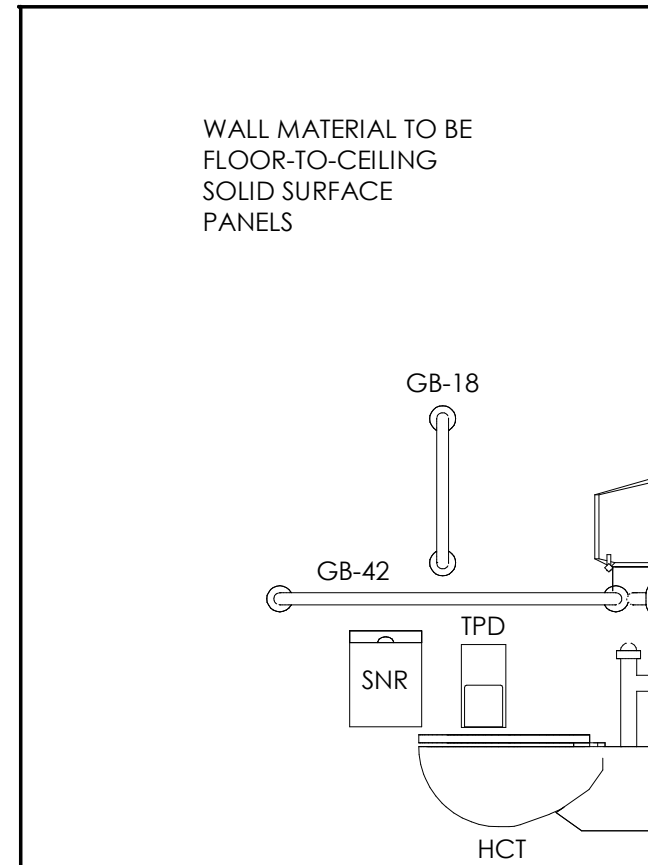
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7  
6  
5  
4  
3  
2  
1  
0  
3/8" = 1'-0"



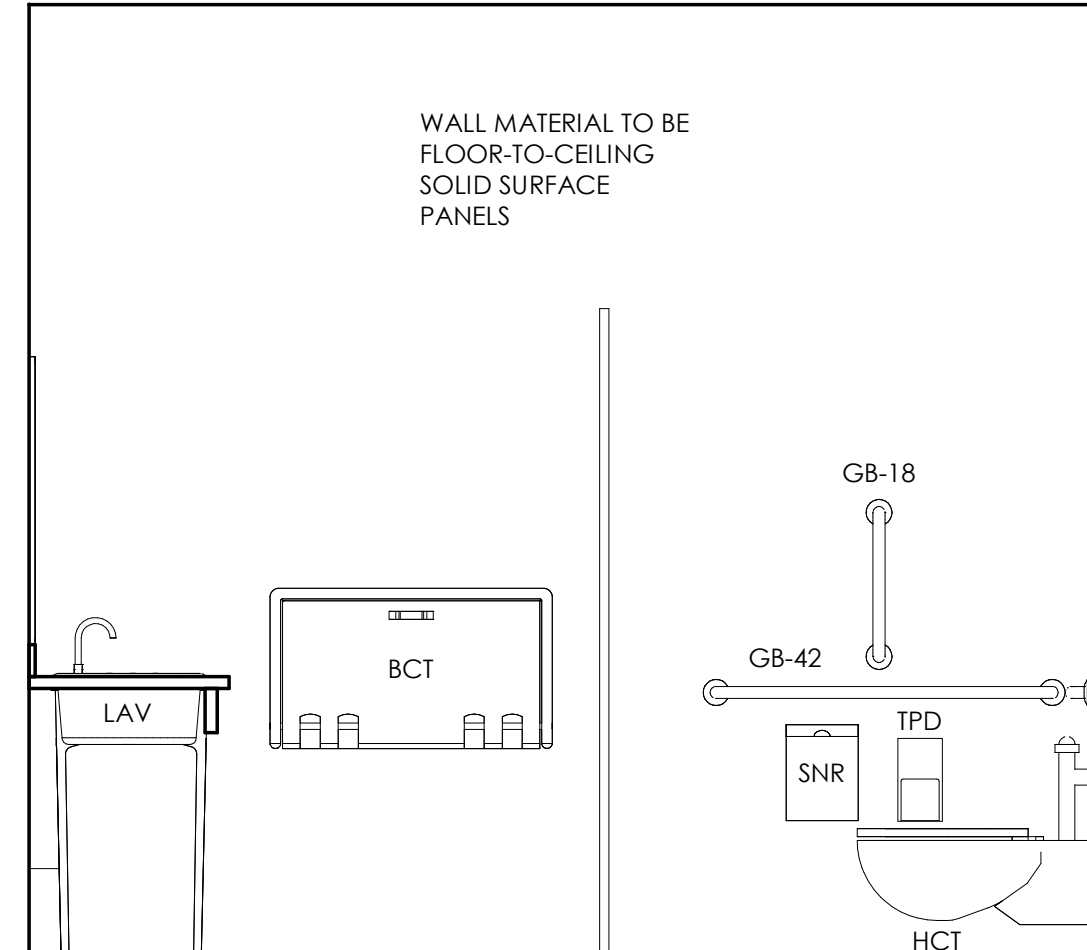
1 RESTROOMS  
A10.2 1/2" = 1'-0"



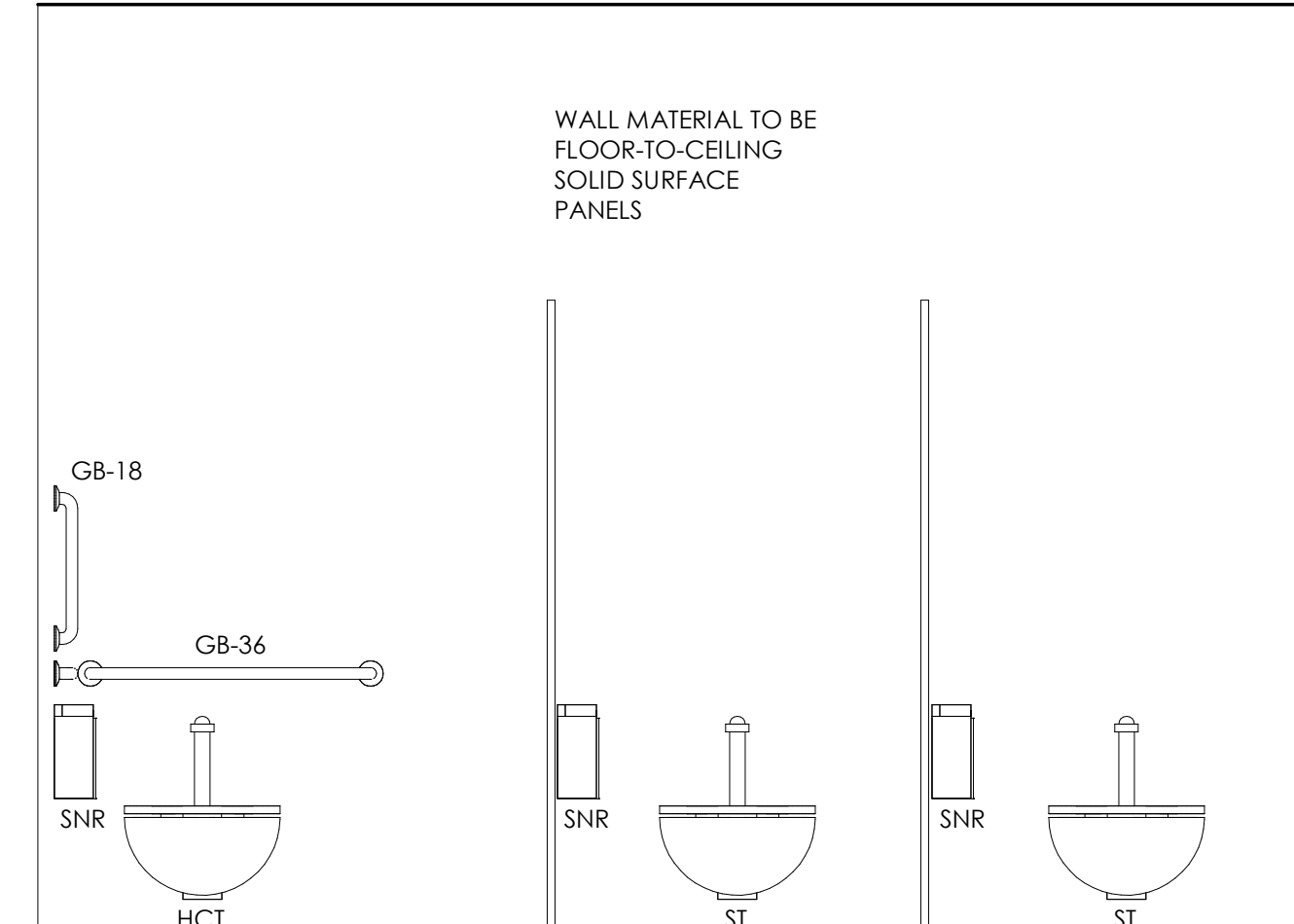
2 UNISEX REST ROOM 113  
A10.2 1/2" = 1'-0"



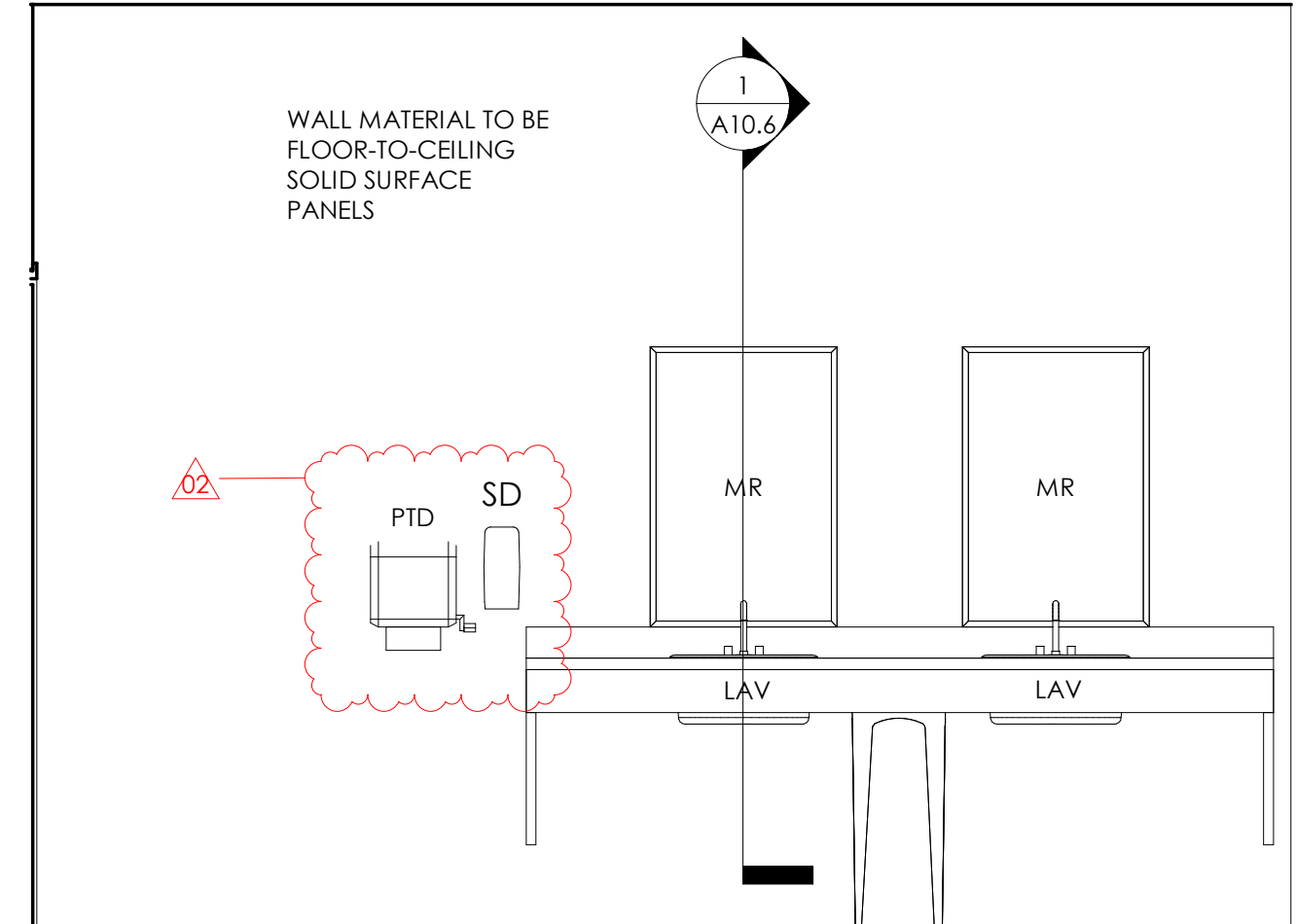
3 UNISEX REST ROOM 113  
A10.2 1/2" = 1'-0"



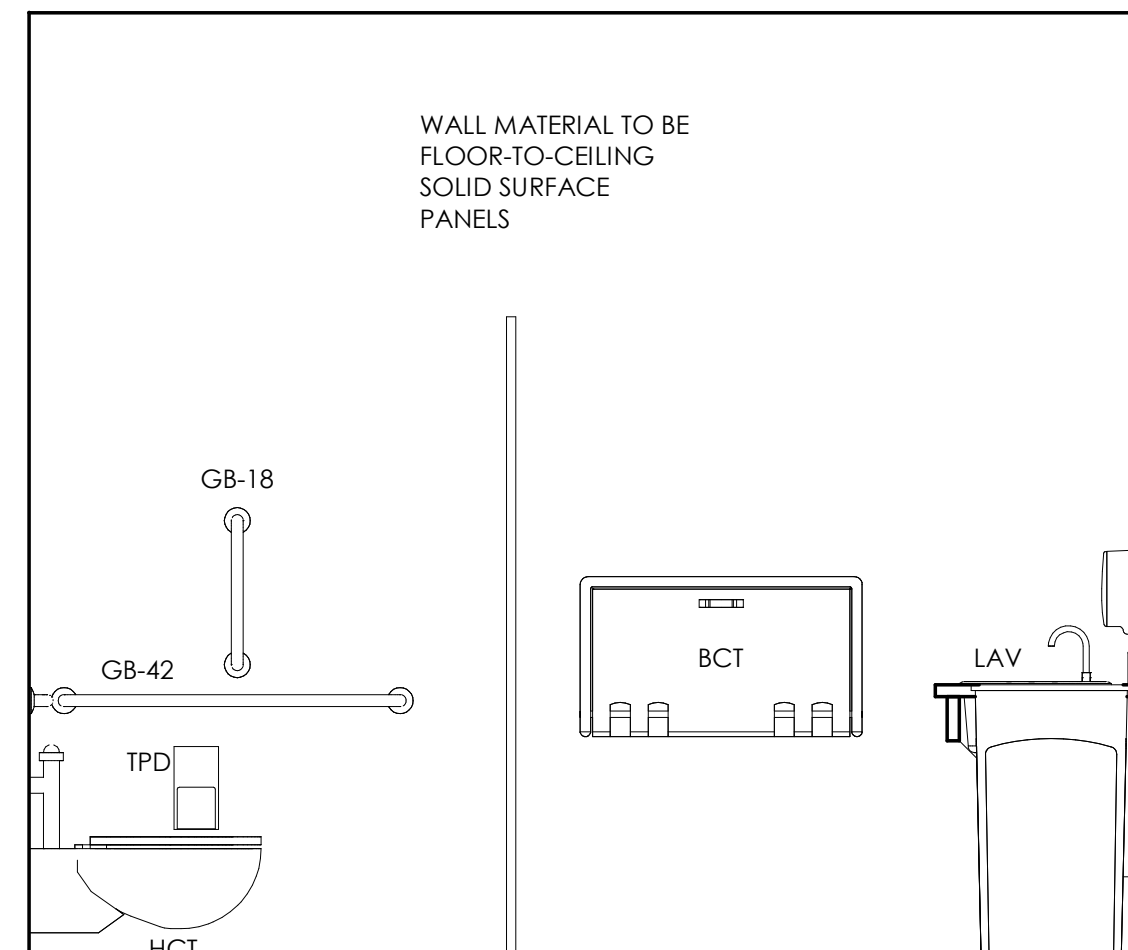
4 WOMEN'S REST ROOM 112  
A10.2 1/2" = 1'-0"



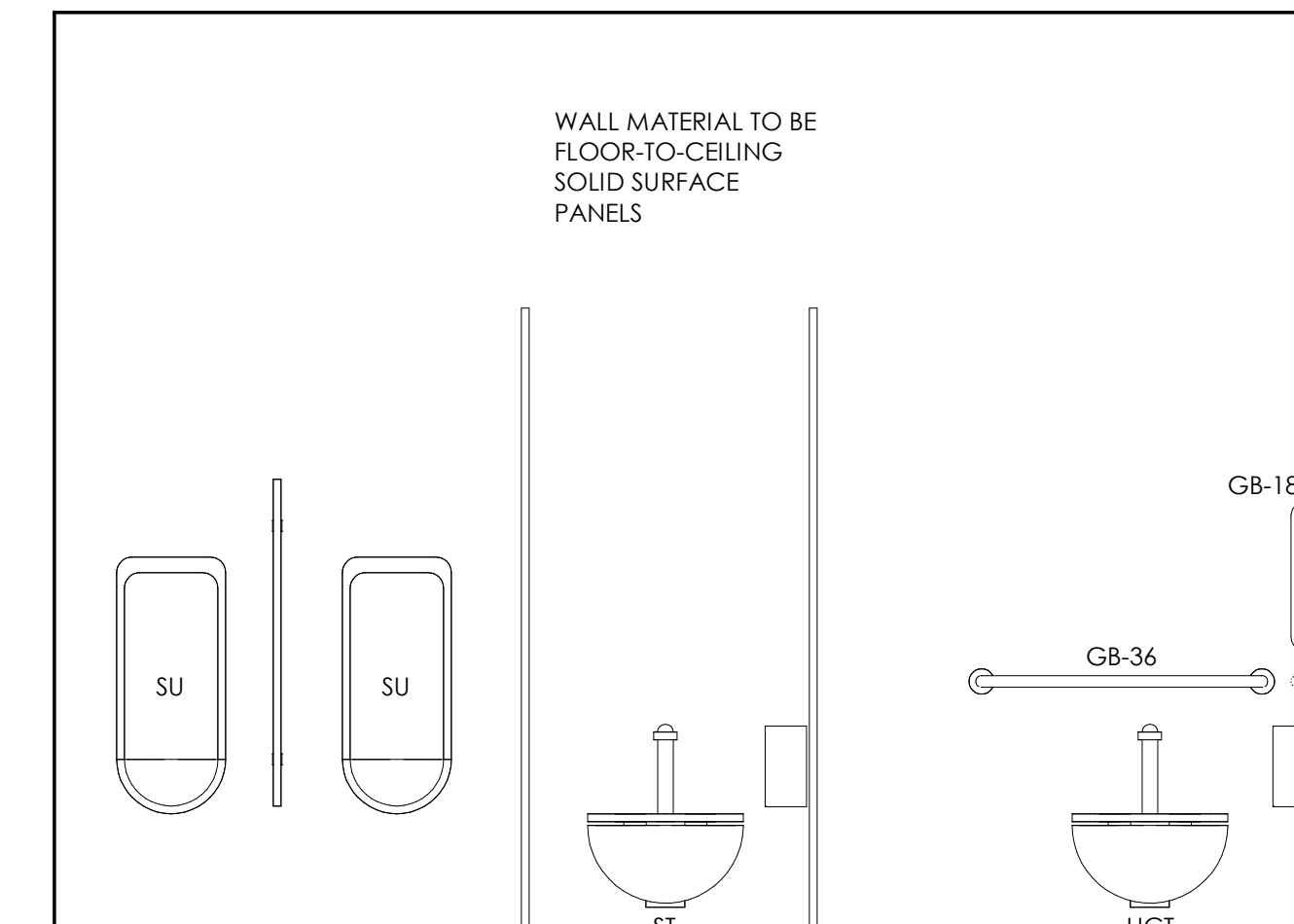
5 WOMEN'S REST ROOM 112  
A10.2 1/2" = 1'-0"



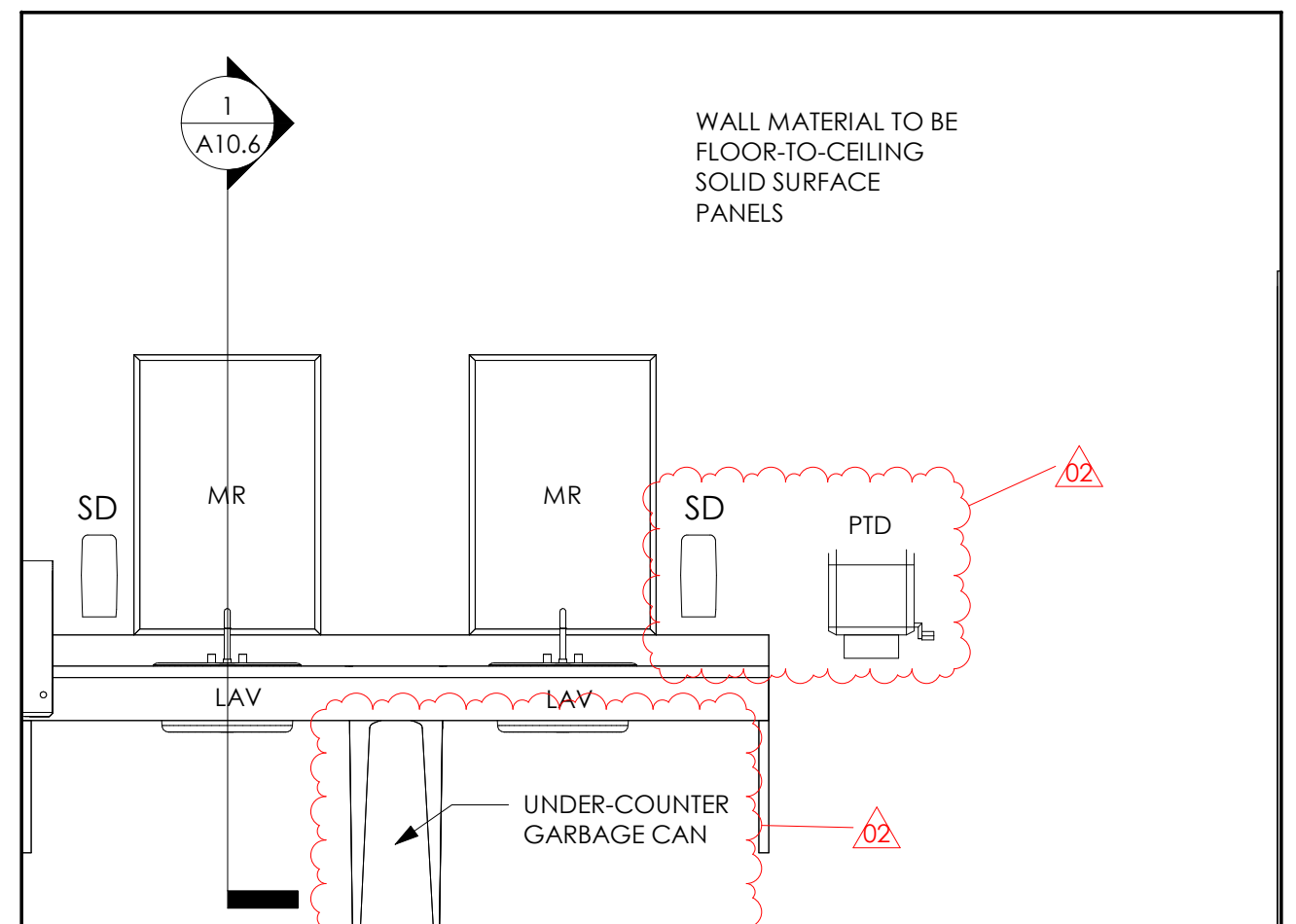
6 WOMEN'S REST ROOM 112  
A10.2 1/2" = 1'-0"



7 MEN'S REST ROOM 111  
A10.2 1/2" = 1'-0"



8 MEN'S REST ROOM 111  
A10.2 1/2" = 1'-0"



9 MEN'S RESTROOM 111  
A10.2 1/2" = 1'-0"

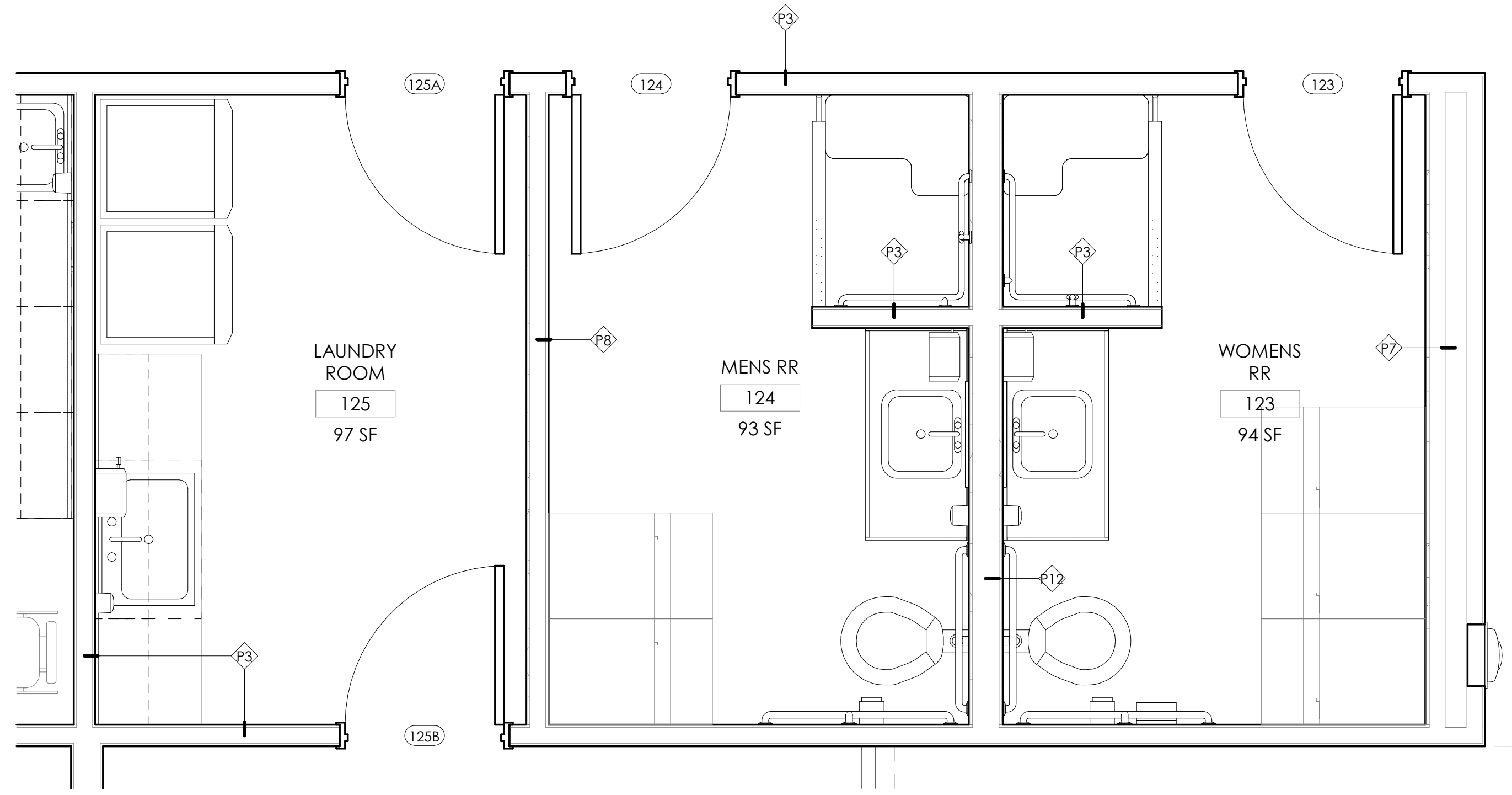
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**SCEMS ADMINISTRATIVE OFFICES & LIFE SQUAD 18**  
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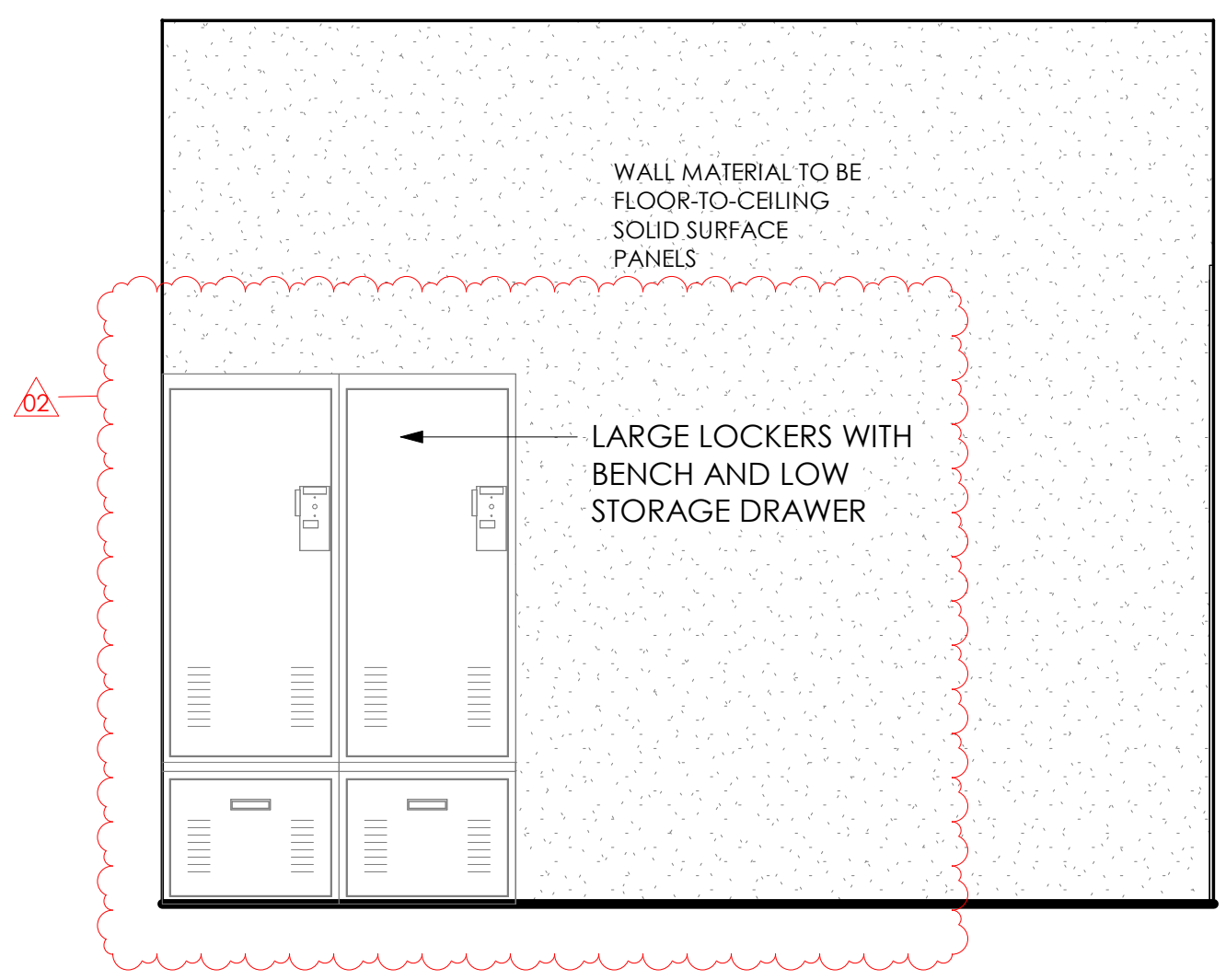
PROJECT TITLE:

DATE	REVISION DESCRIPTION
11.15.2024	ADDENDUM 02
10.24.2024	ISSUED FOR BID

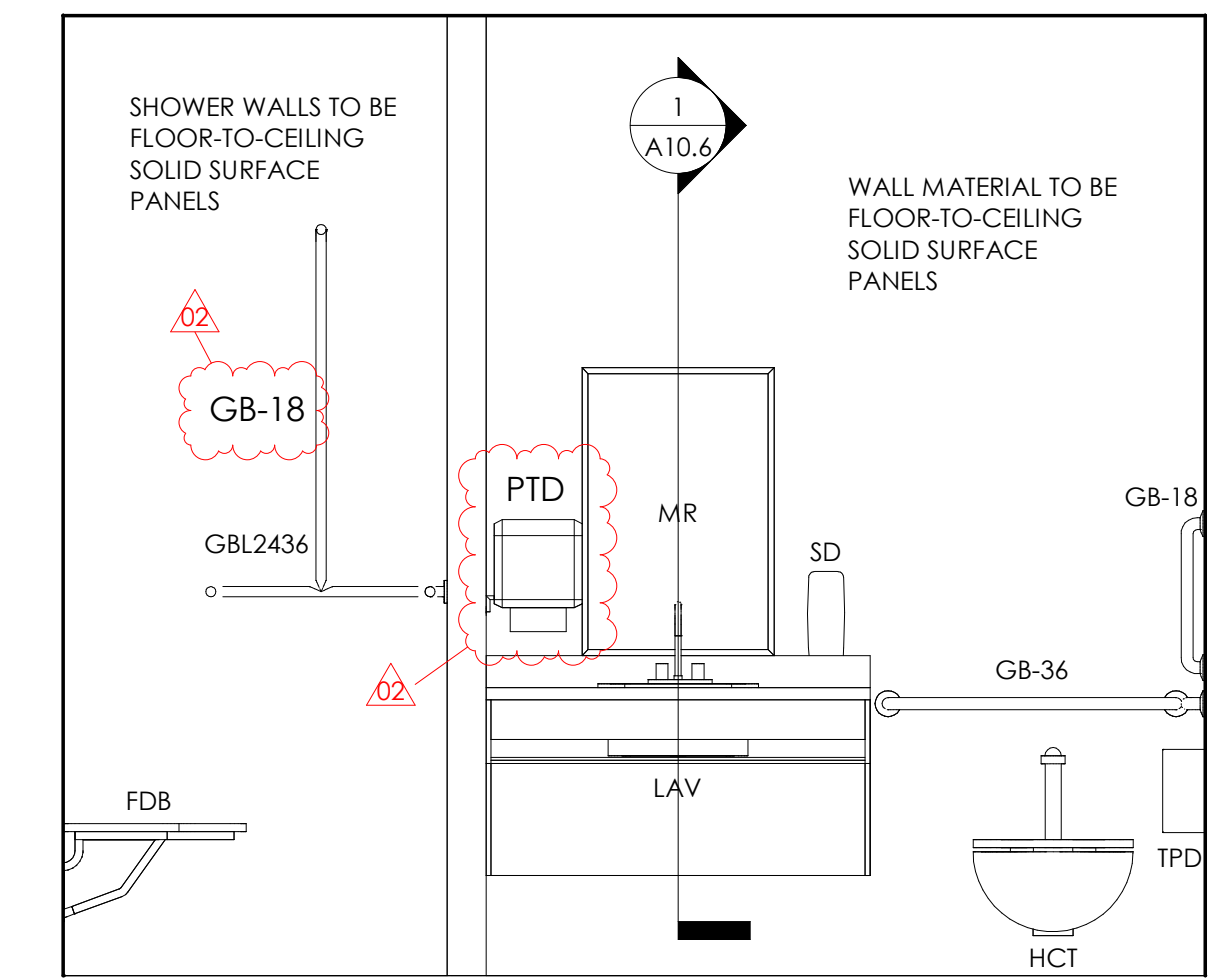
TPA COMMISSION NUMBER: 22009



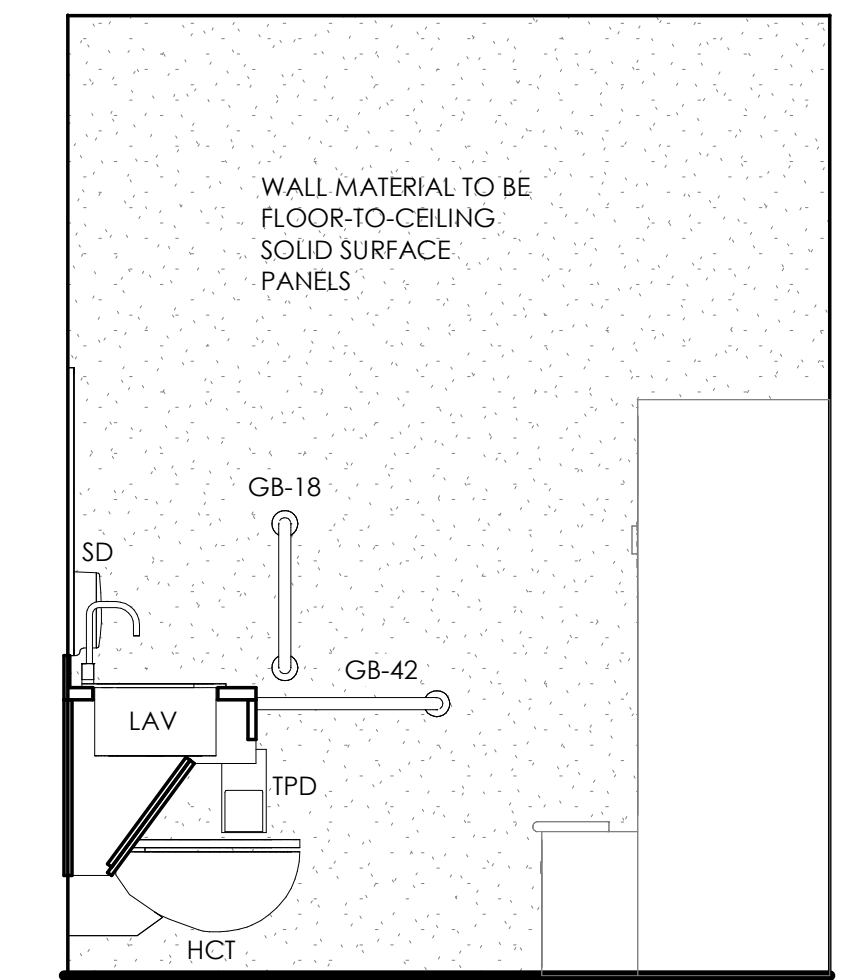
1 ENLARGED PLAN - LAUNDRY RM 125, MEN'S RR 124, & WOMEN'S RR 123  
A10.3/ 1/2" = 1'-0"



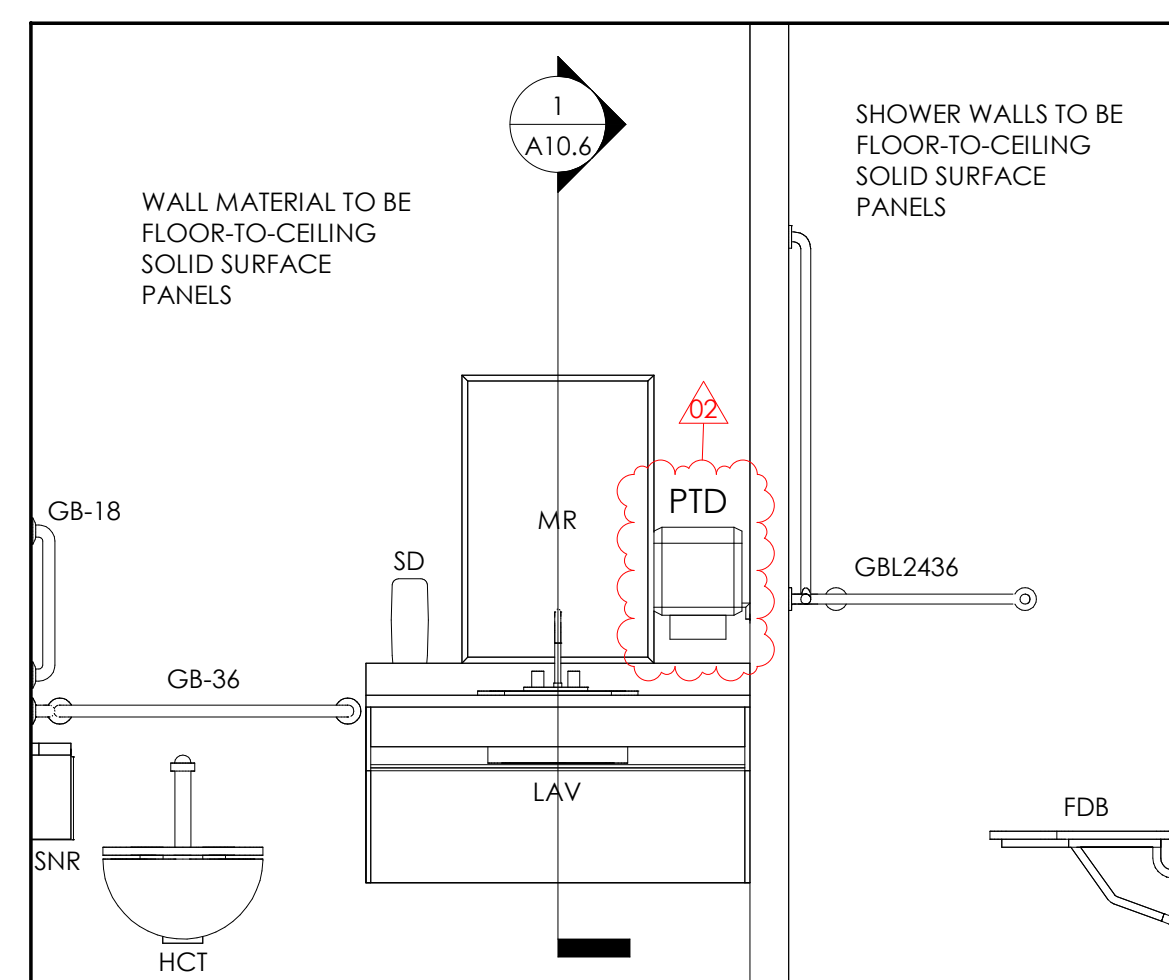
2 MEN'S REST ROOM 124  
A10.3/ 1/2" = 1'-0"



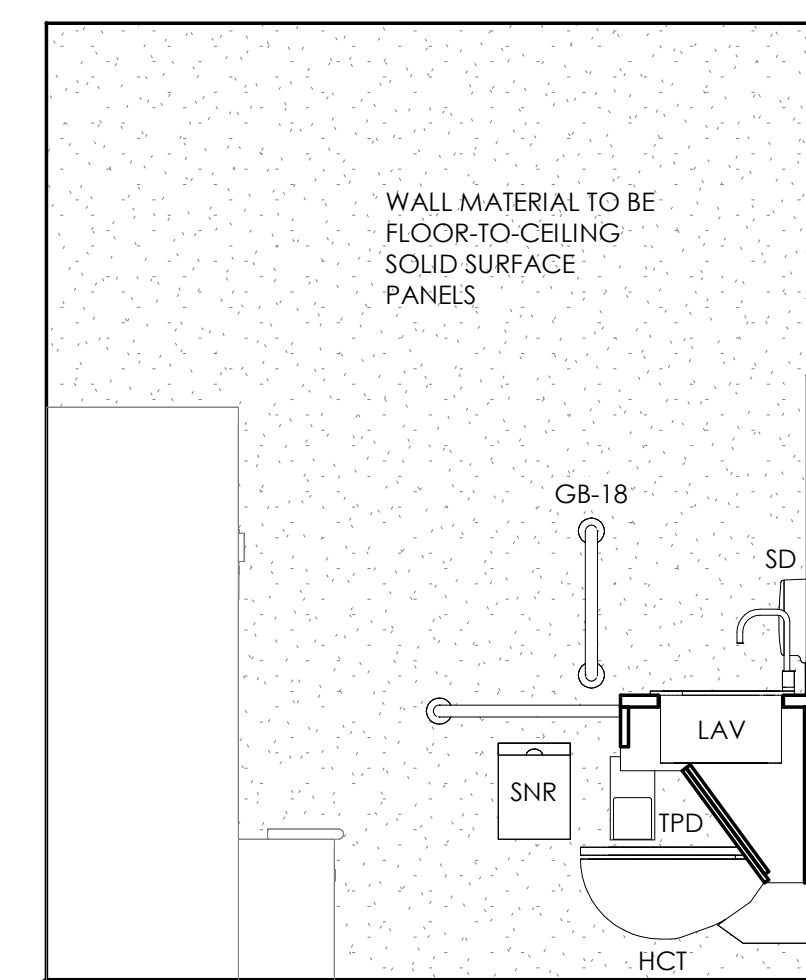
3 MEN'S REST ROOM 124  
A10.3/ 1/2" = 1'-0"



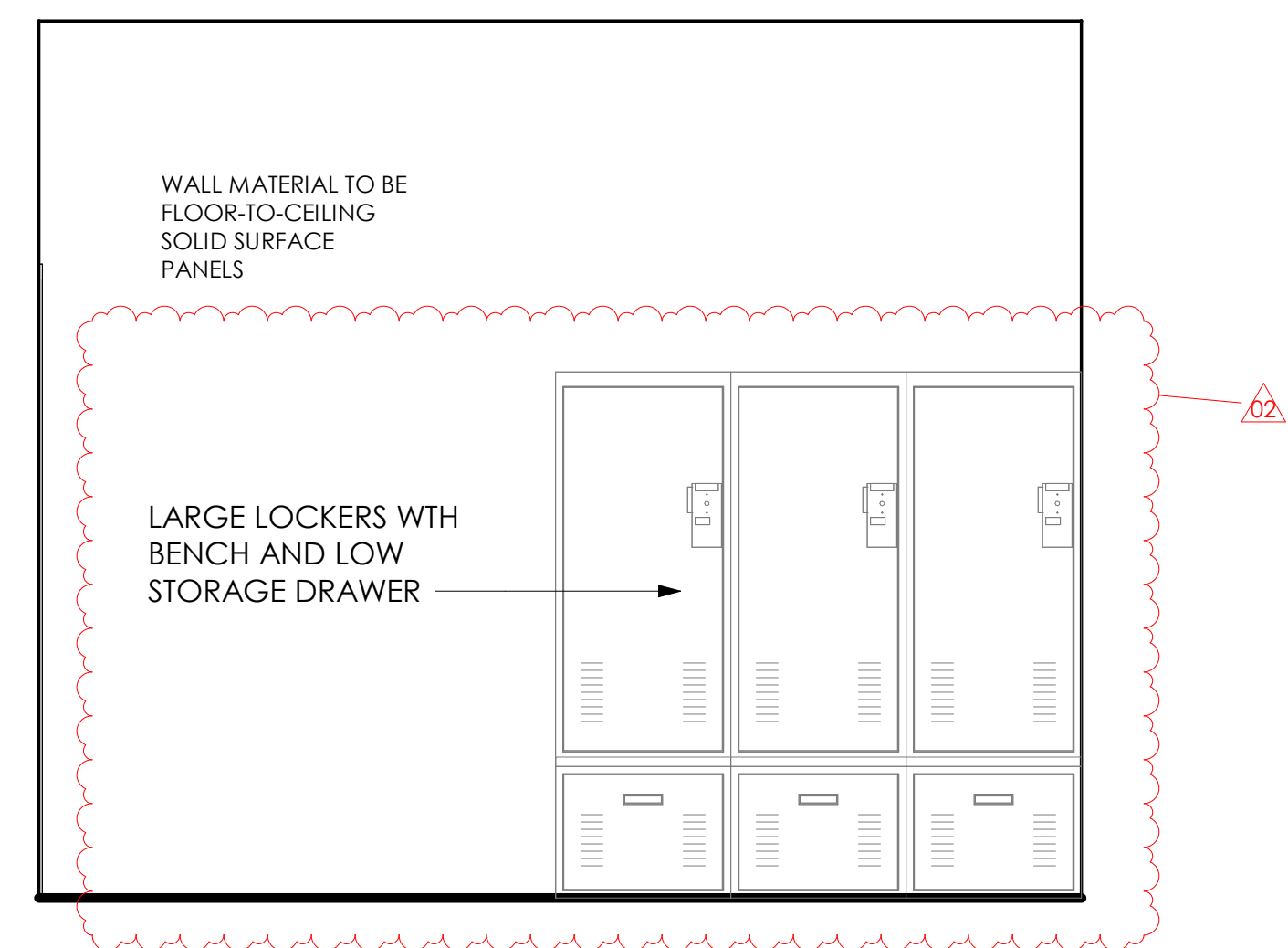
4 MEN'S REST ROOM 124  
A10.3/ 1/2" = 1'-0"



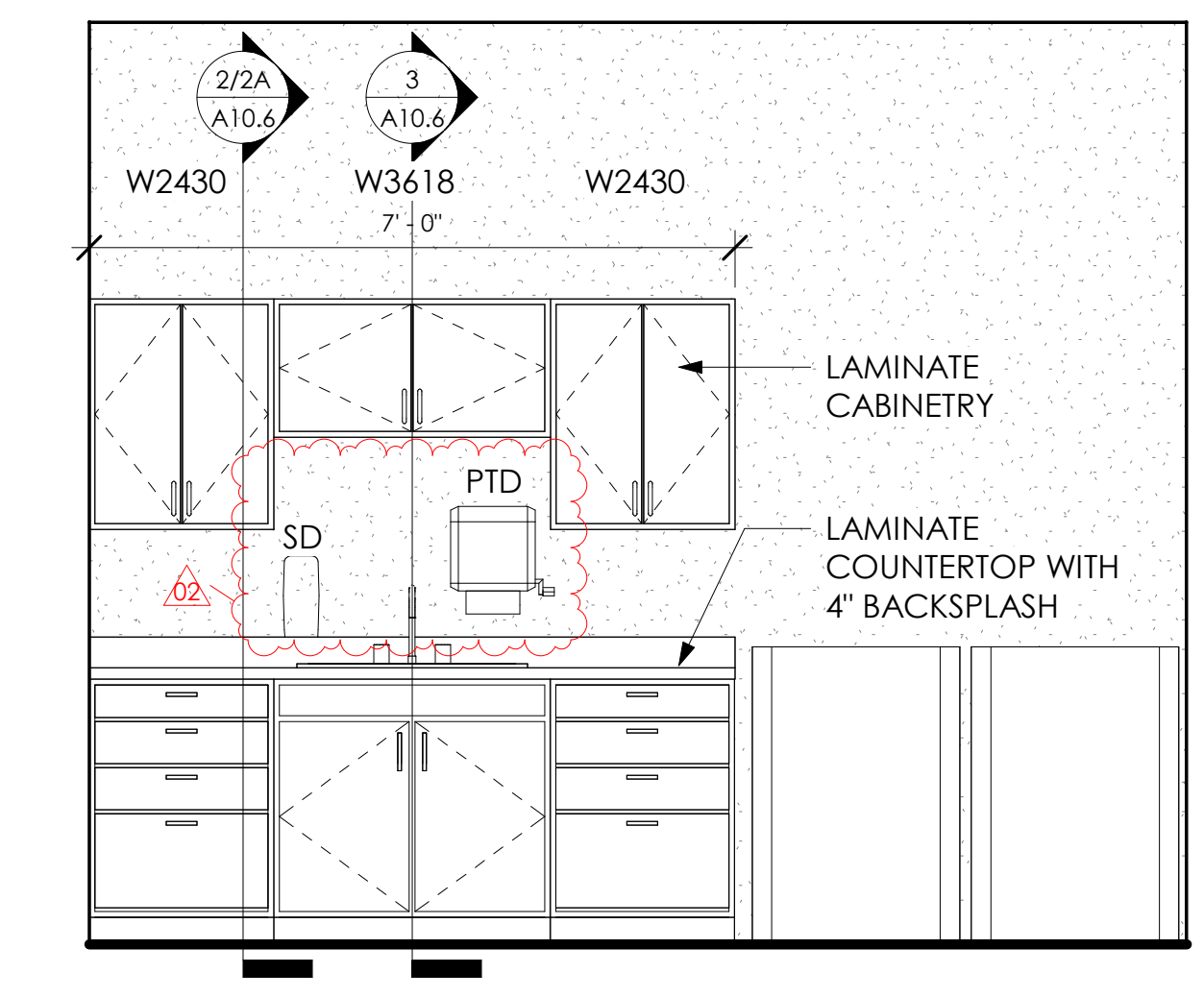
5 WOMEN'S REST ROOM 123  
A10.3/ 1/2" = 1'-0"



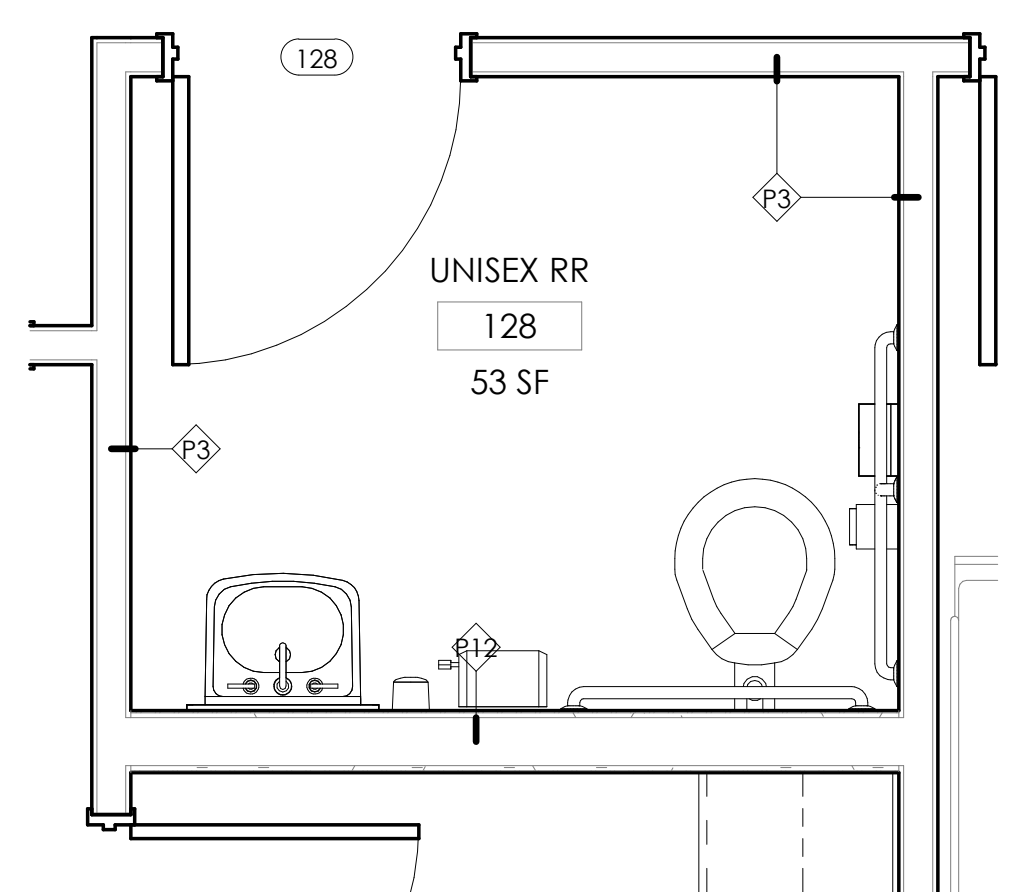
6 WOMEN'S REST ROOM 123  
A10.3/ 1/2" = 1'-0"



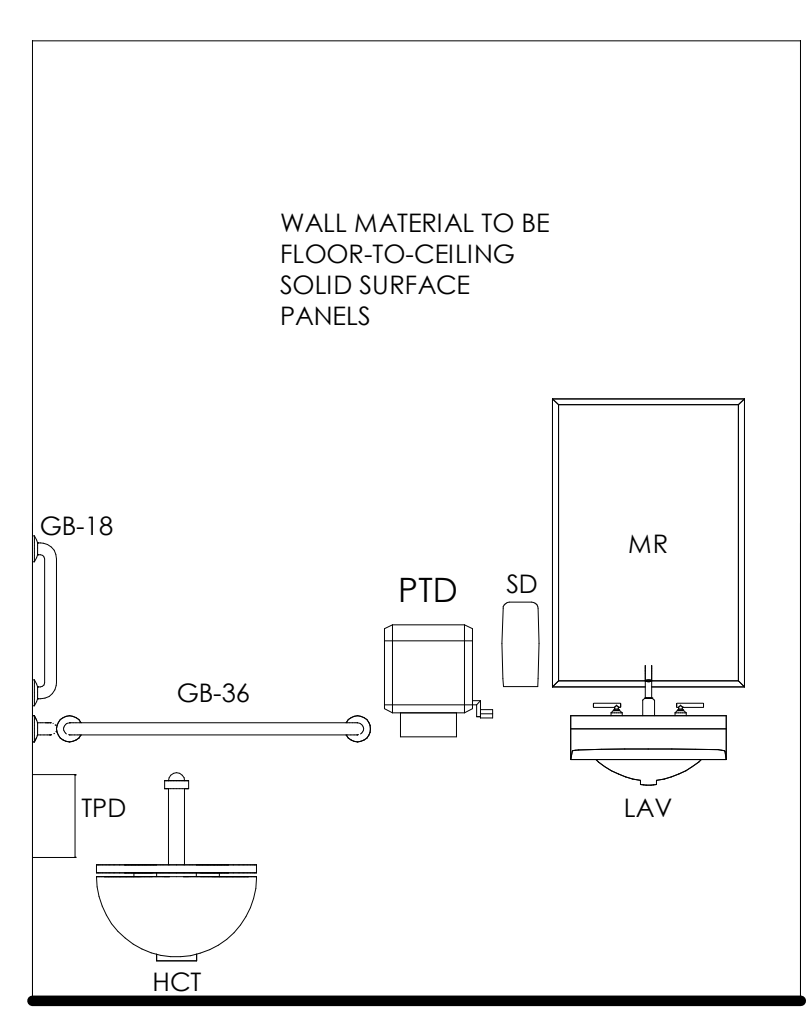
7 WOMEN'S REST ROOM 123  
A10.3/ 1/2" = 1'-0"



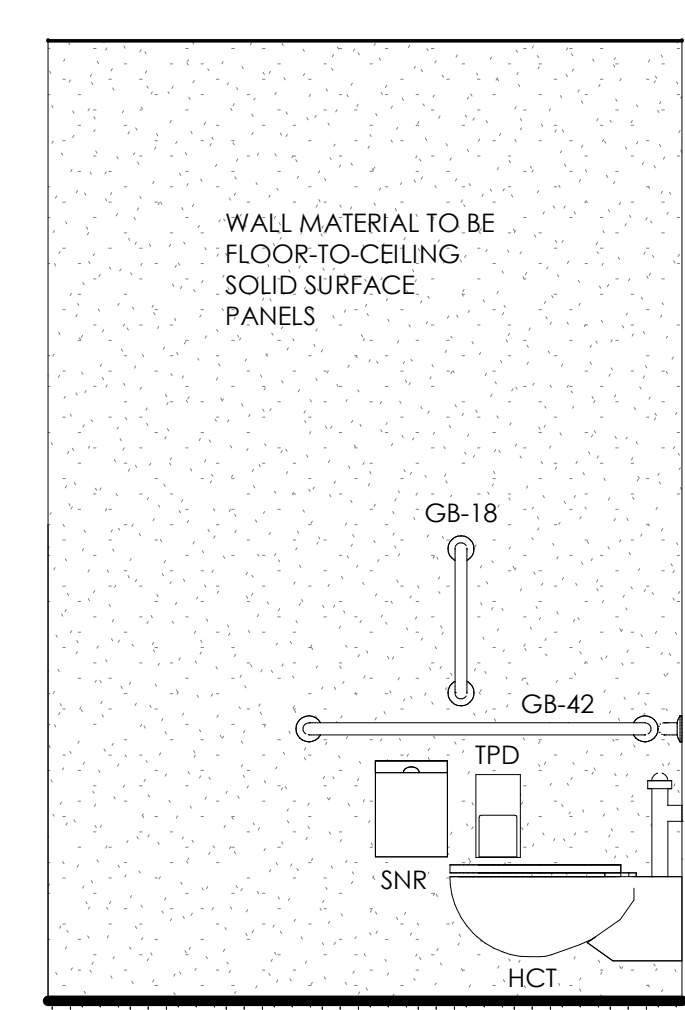
8 LAUNDRY ROOM 125  
A10.3/ 1/2" = 1'-0"



9 ENLARGED PLAN UNISEX RR 128  
A10.3/ 1/2" = 1'-0"



10 UNISEX REST ROOM 128  
A10.3/ 1/2" = 1'-0"



11 UNISEX REST ROOM 128  
A10.3/ 1/2" = 1'-0"

FIXTURE LEGEND / MOUNTING HGTS.

MARK	DESCRIPTION	MTNG HGT	REMARKS
BCT	BABY CHANGING TABLE	28"-34"	TOP TABLE FRONT EDGE
FDB	FOLD DOWN BENCH	19"	TOP OF SEAT
GB-18	18" GRAB BAR	42"	CENTERLINE BOTTOM ATTACHMENT
GB-36	36" GRAB BAR	34"	CENTERLINE
GB-42	42" GRAB BAR	34"	CENTERLINE
GBL1830	18"x30" L" SHAPED GRAB BAR (ADA SHOWER)	34"	CENTERLINE
GBL2436	24"x36" L" SHAPED GRAB BAR (ADA SHOWER)	34"	CENTERLINE
HCT	ACCESSIBLE TOILET	17"	TOP OF SEAT
HK	WALL HOOK (ADA)	48"	CENTERLINE
LAV	LAVATORY	34"	TOP OF RIM
MR	MIRROR (34" X 36")	40"	BOTTOM
PTD	PAPER TOWEL DISPENSER	40"	POINT OF DISPENSING
SD	SOAP DISPENSER	40"	HIGHEST OPERABLE PART, OFCI
SNR	SANITARY NAPKIN RECEPTACLE	30"	TOP OF RIM
ST	STANDARD TOILET	15"	TOP OF BOWL
SU	STANDARD URINAL	24"	TOP OF BOWL
TPD	TOILET PAPER DISPENSER	18" MIN	BOTTOM, 42" MAX REAR WALL
WH	WALL HOOK	52"	CENTERLINE

NOTE: MOUNTING HEIGHTS TYPICAL FOR ALL TOILET ROOMS

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ISSUE FOR REVISION:

Date	Revision Description
11.15.2024	ADDENDUM 02
10.24.2024	ISSUED FOR BID

DESIGNED: EF/AM  
DRAWN: EF/AM  
CHECKED: AK  
TPA COMMISSION NUMBER: 22009

**ENLARGED PLANS & ELEVATIONS**

DRAWING NUMBER:  
**A10.3**