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 arubbing 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-Lite Fire Alarm Systems was a rejection of the Honeywell Gamewell system. The projects are to include the Fire-Lite 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.

<u>Life Squad Station 18</u>

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 ½" exterior sheathing...ls 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,

- 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

ACKNOWLEDGEMENT OF RECEIPT

	(Company Name)			
s 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

LIFE SQUAD STATIONS 14 & 18

TPA 22009 (LS18) / 23007 (LS14)

BID FORM

Sandusky County EMS **Projects:** 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 Theresa Garcia, Administrator To: 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: **ADDENDUM #** DATE

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.

TPA 22009 (LS18) / 23007 (LS14)

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

TPA 22009 (LS18) / 23007 (LS14)

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
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

LIFE SQUAD STATIONS 14 & 18

TPA 22009 (LS18) / 23007 (LS14)

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.

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

- 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.

Sum in Wor	ds
UNIT COSTS	(refer to Section 01270 Unit Prices)
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.

LIFE SQUAD STATIONS 14 & 18

TPA 22009 (LS18) / 23007 (LS14)

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.

TPA 22009 (LS18) / 23007 (LS14)

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.

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- 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.

DIDDER 3 NAME (I KINI)		
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:
 - Glazed Openings: Pass ASTM E1886 Large Missile Test and cyclicpressure 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. <u>Manufacturers:</u> 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: $0.052 \ 0.130 \ \text{Btu/sq.}$ 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.
 - 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 smokedeveloped indexes of 75 and 450, respectively, in accordance with ASTM F84
- 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 weatherstripping 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:

- 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.
 - 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.
- 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

WALL TYPE LEGEND GENERAL NOTES: 1. COORDINATE SIZE AND LOCATION OF ALL HOUSEKEEPING PADS AND/OR DESCRIPTION DESCRIPTION TAG# PLAN VIEW TAG# PLAN VIEW EQUIPMENT SUPPORTS WITH APPROPRIATE EQUIPMENT MANUFACTURER. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH TRADE EXTERIOR ICF WALL - 5/16" FIBER CEMENT BOARD PANEL, (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER 3-5/8" REQUIRING THE SAME. ACCESS PANELS ARE SPECIFIED ARCHITECTURALLY BUT EXTERIOR CMU WALL - 4" BRICK VENEER, 2" AIR SPACE 2" RAINSCREEN RAIL SYSTEM, 2-5/8" RIGID INSULATION **(1)** COLD FORM STUDS WITH SOUND ATTENUATING SPRAY-IN (1) LAYER 5/8" GYPSUM BOARD OVER 6" COLD FORM . . . ARE REQUIRED TO BE PROVIDED BY TRADE. ALL LOCATIONS MUST BE OVER 8" CMU CORE. REFER TO STRUCTURAL DWGS FOR ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE, (1) 1/2 HOUR RATED WALL INSULATION EACH SIDE TO UNDERSIDE OF TRUSS STUDS EACH SIDE TO UNDERSIDE OF DECK OR TRUSS COORDINATED AND APPROVED BY THE ARCHITECT'S FIELD REPRESENTATIVE. REINFORCEMENT REQUIREMENTS LAYER 5/8" GYP. BOARD. REFER TO STRUCTURAL DWGS UL #U419 FLOOR PLANS ARE DIMENSIONED TO FACE OF STUD-TYPICAL FOR REINFORCEMENT REQUIREMENTS DIMENSIONS FOLLOWED BY ± SHOULD BE REVIEWED AND ALL NECESSARY EXTERIOR ICF WALL - 4" BRICK VENEER, 2" AIR SPACE, INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD (1) LAYER 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER 6" COLD 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" ON BOTH SIDES OF 2-5/8" RIGID INSULATION, 8" STUDS EACH SIDE. 1/2" UL 72 / LEVEL 3 RATED KEVLAR AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES FORM STUDS WITH SOUND ATTENUATING SPRAY-IN REINFORCED CONCRETE CORE, (1) LAYER 5/8" GYP. REINFORCED CONCRETE CORE TO UNDERSIDE OF WALL PANEL UNDER (1) LAYER 5/8" GYPSUM BOARD ON ARISE BEFORE PROCEEDING WITH THE WORK. INSULATION, 1/4" SOLID SURFACE OVER 5/8" GYPSUM BOARD. REFER TO STRUCTURAL DWGS FOR 1/2 HOUR RATED WALL CONCRETE CAP OR TRUSS ONE SIDE. TO UNDERSIDE OF DECK OR TRUSS BOARD ONE SIDE TO UNDERSIDE OF DECK OR TRUSS REINFORCEMENT REQUIREMENTS PROVIDE INTERIOR GYP BD CONTROL JOINTS @ 25' O.C. AT UL #U419 (SIM.) LOCATIONS SHOWN ON PLANS AND/OR INTERIOR (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER 3-5/8" COLD EXTERIOR STUD WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" (1) LAYER 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM ELEVATIONS OR AS DIRECTED BY ARCHITECT IN THE FIELD. FORM STUDS WITH SOUND ATTENUATING SPRAY-IN RAINSCREEN RAIL SYSTEM, 2" RIGID INSULATION MIN R-11.4 STUDS ONE SIDE. (1) LAYER OF 1/4" SOLID SURFACE OVER (1) LAYER 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM INSULATION, (1) LAYER 1/4" SOLID SURFACE OVER (1) LAYER W/ 16 GA Z FURRING @ 24" O.C., 1/2" EXTERIOR SHEATHING 1/2 HOUR RATED WALL 5/8" GYPSUM BOARD ONE SIDE TO UNDERSIDE OF ROOF (1) LAYER 5/8" GYPSUM BOARD ON ONE SIDE. TO VERIFY QUANTITY, SIZE, AND LOCATION OF ALL FLOOR, ROOF, AND WALL OPENINGS STUDS EACH SIDE TO UNDERSIDE OF DECK OR TRUSS ON 6" COLD FORM STUDS. REFER TO STRUCTURAL DWGS FOR UNDERSIDE OF DECK OR TRUSS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE UL #U419 REINFORCEMENT REQUIREMENTS ALL OPENINGS SHOWN OR REQUIRED FOR THE COMPLETION OF THE WORK. PROVIDE ALL LINTELS REQUIRED FOR THESE OPENINGS PER SPECIFICATIONS. INTERIOR ICF WALL - (1) LAYER OF GYPSUM BOARD ON ONE EXTERIOR STUD WALL - 4MM COMPOSITE METAL PANEL, (1) LAYER 5/8" GYPSUM BOARD OVER 3-5/8" COLD FORM SIDE OF 2-5/8" RIGID INSULATION, 8" REINFORCED 2" ALUM EXTRUDED RAIN SCREEN SYSTEM, 2" RIGID 7. REFER TO LS-SERIES DRAWINGS FOR LOCATIONS OF REQUIRED FIRE 1/4" SOLID SURFACE OVER (1) LAYER 5/8" GYPSUM STUDS, 4-3/4" AIR GAP BETWEEN, (1) LAYER 1/4" SOLID CONCRETE CORE, AND 2-5/8" RIGID INSULATION ASSEMBLY. INSULATION MIN R-11.4 W/ 16 GA Z FURRING @ 24" O.C., RESISTANCE RATINGS, UL DESCRIPTIONS, AND JOINT DETAILS. **(13**----BOARD OVER 3-5/8" COLD FORM STUDS EACH SIDE TO SURFACE OVER (1) LAYER 5/8" GYPSUM BOARD OVER 3 3-5/8" COLD FORM STUDS WITH (1) LAYER OF 1/4" SOLID 1/2" EXTERIOR SHEATHING OVER 6" COLD FORM STUDS. UNDERSIDE OF DECK OR TRUSS 5/8" COLD FORM STUDS TO UNDERSIDE OF DECK OR REFER TO STRUCTURAL DWGS FOR REINFORCEMENT SURFACE OVER (1) LAYER 5/8" GYPSUM BOARD ONE SIDE TO REFER TO A 11 SERIES DRAWINGS FOR FLOOR FINISH PATTERNS AND ROOM FINISHES REQUIREMENTS UNDERSIDE OF DECK OR TRUSS ALL INTERIOR PARTITIONS TO INCLUDE 5/8" TYPE X GYPSUM BOARD, U.N.O. GYP. BD. EXTERIOR ICF WALL - 5/16" FIBER CEMENT BOARD PANEL, 2" INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD IS ALSO REQUIRED TO BE MR TYPE AT PARTITIONS WITH PLUMBING FIXTURES AND INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD RAINSCREEN RAIL SYSTEM, 2-5/8" RIGID INSULATION ON ON ONE SIDE OF 2-5/8" RIGID INSULATION ON BOTH SIDES THROUGHOUT RESTROOMS, TYP. ON ONE SIDE OF 2-5/8" RIGID INSULATION ON BOTH SIDES BOTH SIDES OF 8" REINFORCED CONCRETE CORE, (1) 1/4" OF 8" REINFORCED CONCRETE CORE, 3-5/8" COLD FORM OF 8" REINFORCED CONCRETE CORE, (1) LAYER OF 1/4" SOLID SURFACE ON ONE SIDE OVER (1) LAYER 5/8" GYPSUM 10. ALL INTERIOR DOORS FRAMES SHALL BE PAINTED TO MATCH THE WALL IN STUDS WITH (1) LAYER GYPSUM BOARD ONE SIDE TO SOLID SURFACE OVER (1) LAYER 5/8" GYPSUM BOARD ON BOARD. REFER TO STRUCTURAL DWGS FOR REINFORCEMENT UNDERSIDE OF DECK OR TRUSS WHICH THEY OCCUR, UNO. ONE SIDE TO UNDERSIDE OF DECK OR TRUSS REQUIREMENTS LIST OF ABBREVIATIONS FEC - FIRE EXTINGUISHER CABINET FE - FIRE EXTINGUISHER (W/ WALL BRACKET) ⟨E⟩ - WALL PARTITION TYPE - SEE SHEET A2.1 EP - ELECTRICAL PANEL(S). PAINT SAME COLOR AS WALL SURFACE 92' - 4" 17' - 0'' 10' - 0'' 10' - 0'' 8' - 0'' 12' - 0'' 3' - 6'' 10' - 0'' CUH - CABINET UNIT HEATER DF - DRINKING FOUNTAIN EWC - ELECTRIC WATER COOLER ADO - AUTOMATIC POWER DOOR OPERATOR PUSH BUTTON. SEE ELEC DWG'S FEC (A10.1 10 SYMBOL LEGEND OFFICE/ BEDROOM3(A10.1) BEDROOM2 BEDROOM 1 FULL BATH RECEPTION 107 106 104 105 103 **DOOR TAG WALL TAG** 12' - 3 1/2" 4' - 6'' i i 4' - 9 3/4" 11'-2" 11 - 2" WINDOW TAG 106 100 \setminus A2.2 INTERIOR ELEVATION, SEE A8.0 CORRIDOR 102 53' - 4 5/8" 3' - 0 1/2" 9' - 10 3/16" FEC -Room name **ROOM TAG** 14' - 11 1/4" 14' - 10'' 101 mm MED EMS EXAM _AUNDRY/ VENDING ROOM UTILITY EXTERIOR ELEVATION, SEE A5.0 SERIES SHELTER 101 115 114 MECH RM SHELTER RR 113 112 BUILDING SECTIONS, SEE A6.0 SERIES 4' - 4'' 10' - 10" 3' - 4" 11' - 2" 1' - 3 1/4" [/]—1' - 0 3/4" KEYNOTE LEGEND TURNOUT GEAR WASHER, BASIS OF DESIGN: READY RACK EXTRACTOR 22 (EW22G), TO BE SELECTED BY OWNER, LIFE SQUAD CONTRACTOR RESPONSIBLE FOR 14 DAY PROCUREMENT & INSTALLATION VIA ROOM LOCKER BUILDING APPLIANCE ALLOWANCE, ROOM/ 108 REFER TO SPEC SECTION 01 2100. (116A) STORM WASHER AND DRYER TO BE SELECTED SHELTER BY OWNER, CONTRACTOR A6.0 RESPONSIBLE FOR PROCUREMENT & 111 INSTALLATION VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 24" DISHWASHER, TO BE SELECTED BY OWNER, CONTRACTOR RESPONSIBLE FOR PROCUREMENT & INSTALLATION A2.2 VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 01 2100. GARAGE 30" RANGE, TO BE SELECTED BY 116 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, 109 CONTRACTOR RESPONSIBLE FOR PROCUREMENT & INSTALLATION VIA BUILDING APPLIANCE ALLOWANCE, REFER TO SPEC SECTION 01 2100. WALL MOUNTED ROOF ACCESS 7' - 5 1/4" 15' - 2 7/8" LADDER, REFER TO SPEC SECTION 05 (116B) 5000 FOR FABRICATION REQUIREMENTS. PROVIDE (1) CLOSET SHELF WITH CLOSET ROD, EACH CLOSET WITHIN ROOM, SEE SPEC SECTION 10 5723 FOR 110 REQUIREMENTS. SEE DETAIL 3/A3.1 FOR A7.3 / CLOSET CEILING HEIGHTS. CORNER GUARD, SEE SPEC SECTION 10 _----8' - 0'' 15' - 10 1/2" 30' - 6" 26' - 0 3/8" 3' - 11 1/8" 6' - 0'' 77' - 9 1/2" 56'-0" FIRST FLOOR PLAN 1/A5.1 A2.1 1/4" = 1'-0"

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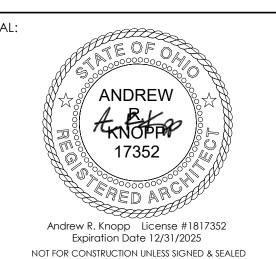
CONSULTANTS:











CEMS IFE SQUAD 14

ISSUE FOR REVISION:

The state of the state

TPA COMMISSION NUMBER: 23007

DRAWING TITLE:

FIRST FIOOR

FIRST FLOOR PLAN

DRAWING NUMBER:

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GENERAL NOTES:

SPECIFIED WARRANTY.

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

ROOF LEGEND

---- EXTERIOR WALL BELOW



PLUMBING STACK VENT, FLUE OR OTHER PENETRATION PAINT TO MATCH ROOFING COLOR PROVIDE / INSTALL
PREFAB ACCESSORY BOOT, PER MANUFACTURERS DETAILS

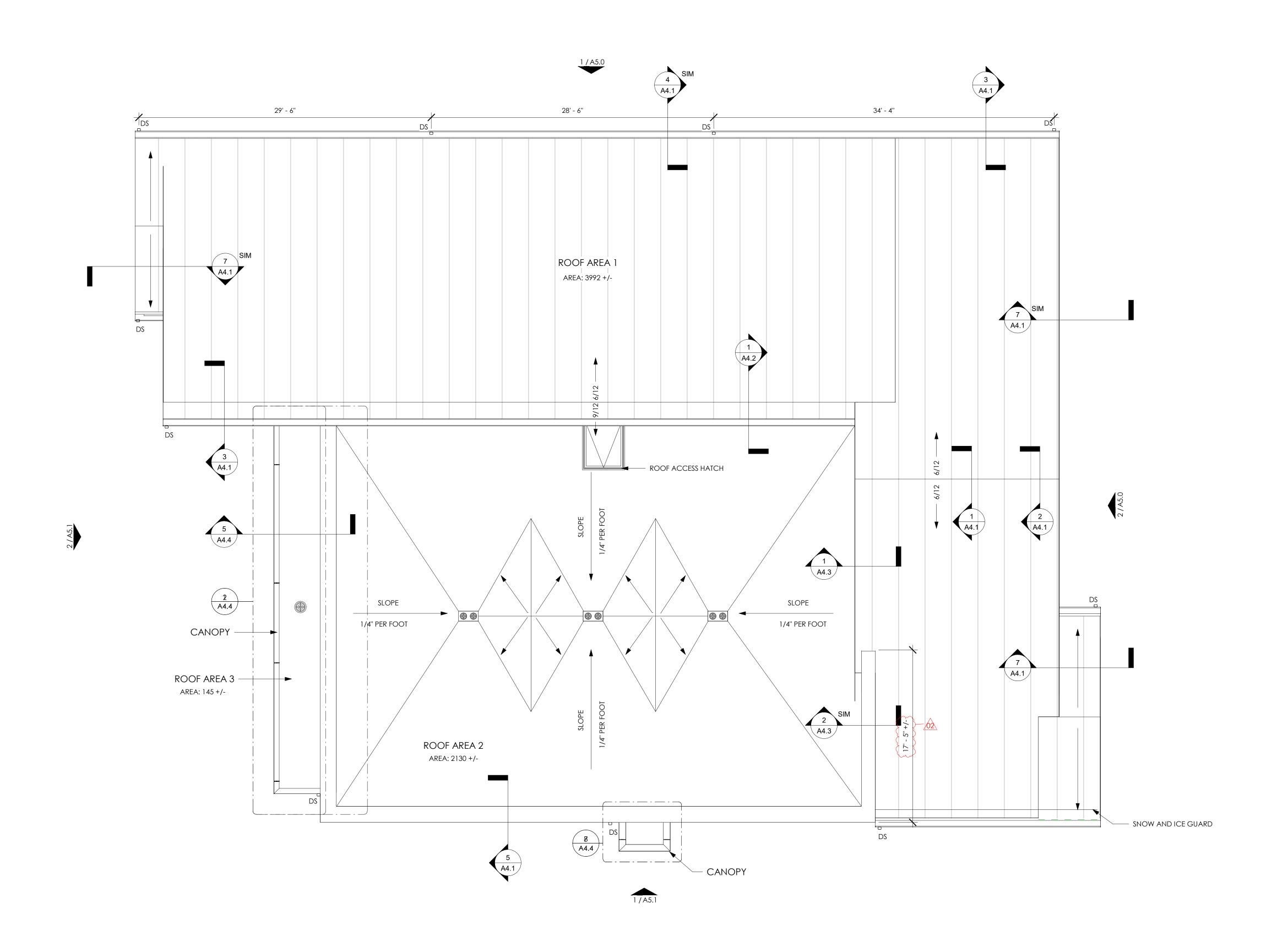
4:12 INDICATES ROOF SLOPE (SLOPED STRUCTURE OR SLOPE OBTAINED W/ TAPERED INSULATION)



CONTINUOUS ROOF RIDGE VENT - INSTALL PER MANUF. SPECIFICATIONS

STANDING SEAM METAL ROOF

PREFIN. ALUMINUM GUTTER AND DOWNSPOUT





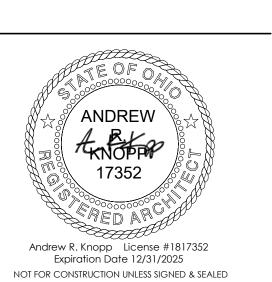


www.porterarch.com 8 North St. Clair 419.243.2400 TEL Toledo, Ohio 43604-1028 419.243.2405 FAX CONSULTANTS:

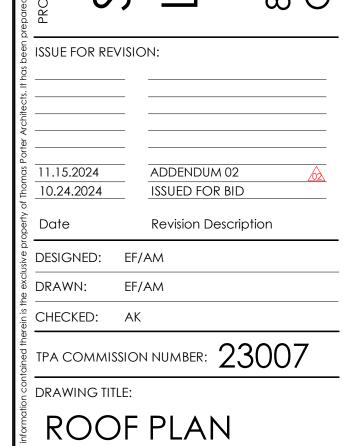




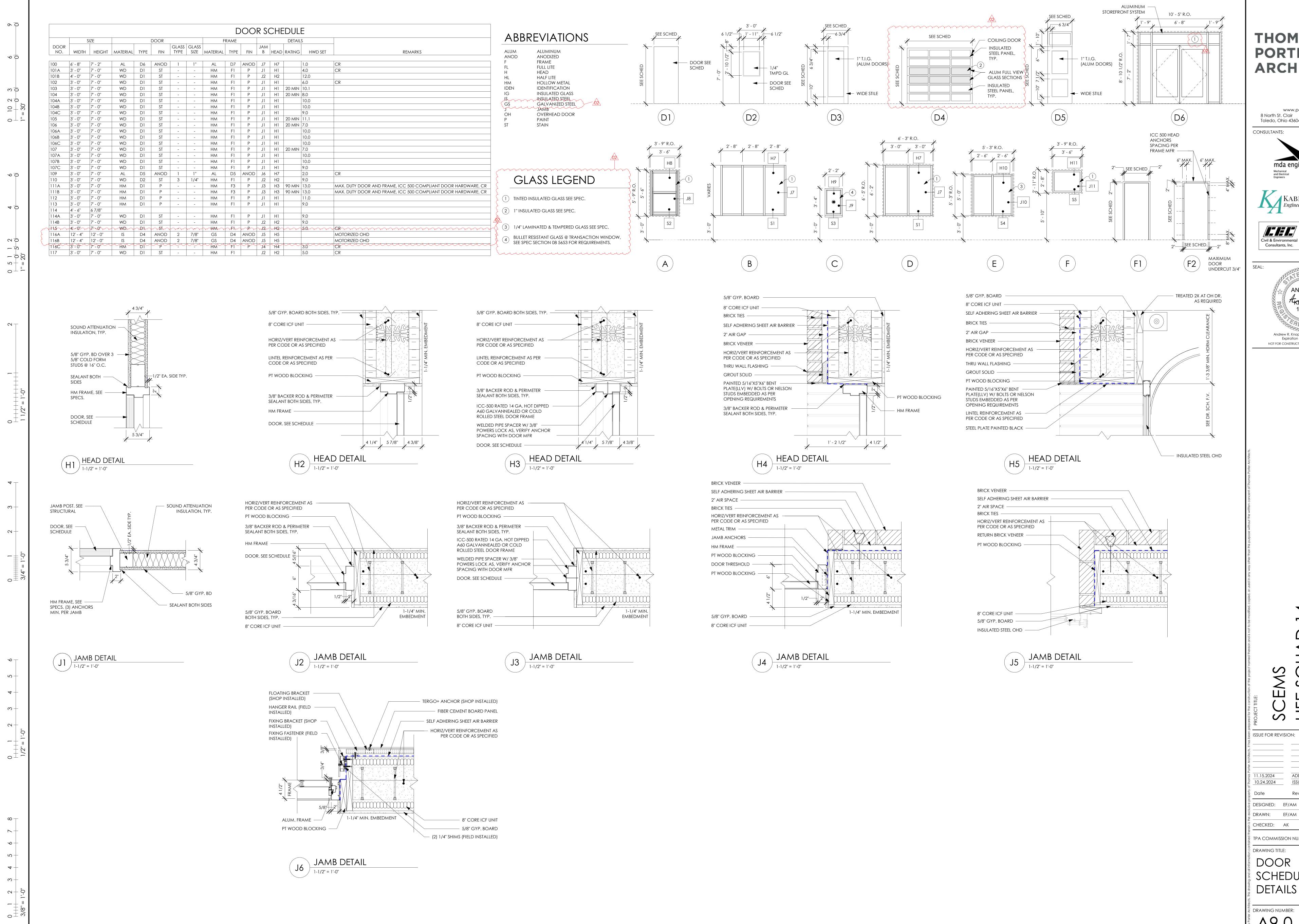








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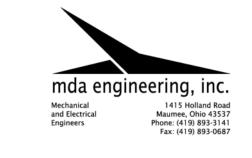
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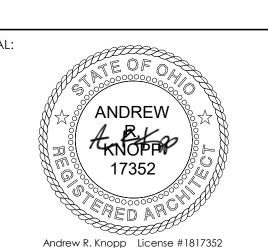


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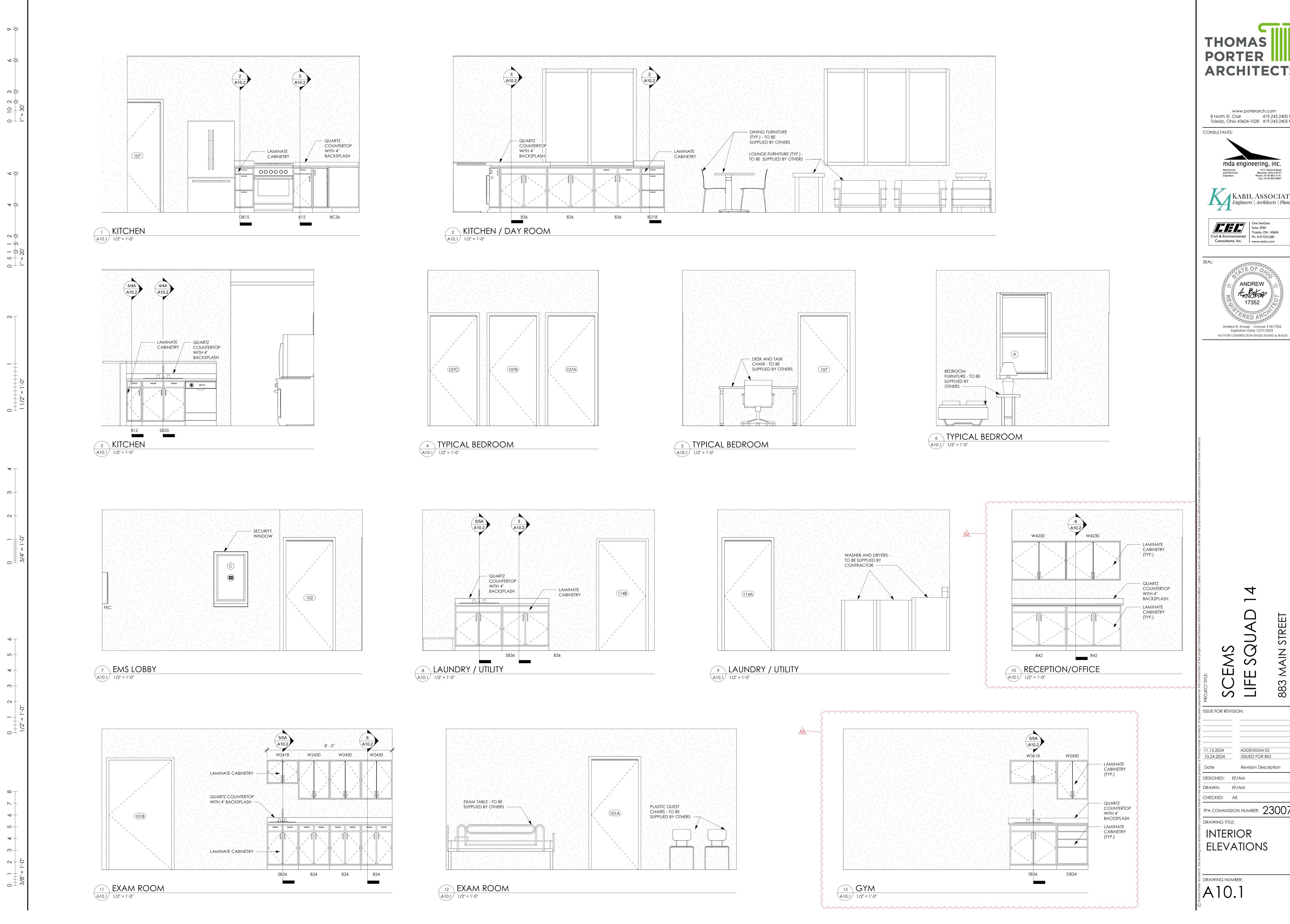


Andrew R. Knopp License #1817352 Expiration Date 12/31/2025 NOT FOR CONSTRUCTION UNLESS SIGNED & SEALED

883 MAIN STREET GIBSONBURG, OHIO

ISSUE FOR REVISION: ADDENDUM 02 ISSUED FOR BID DESIGNED: EF/AM DRAWN: EF/AM TPA COMMISSION NUMBER: 23007 DOOR SCHEDULES &

A9.0



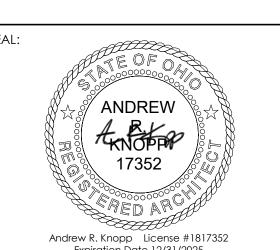
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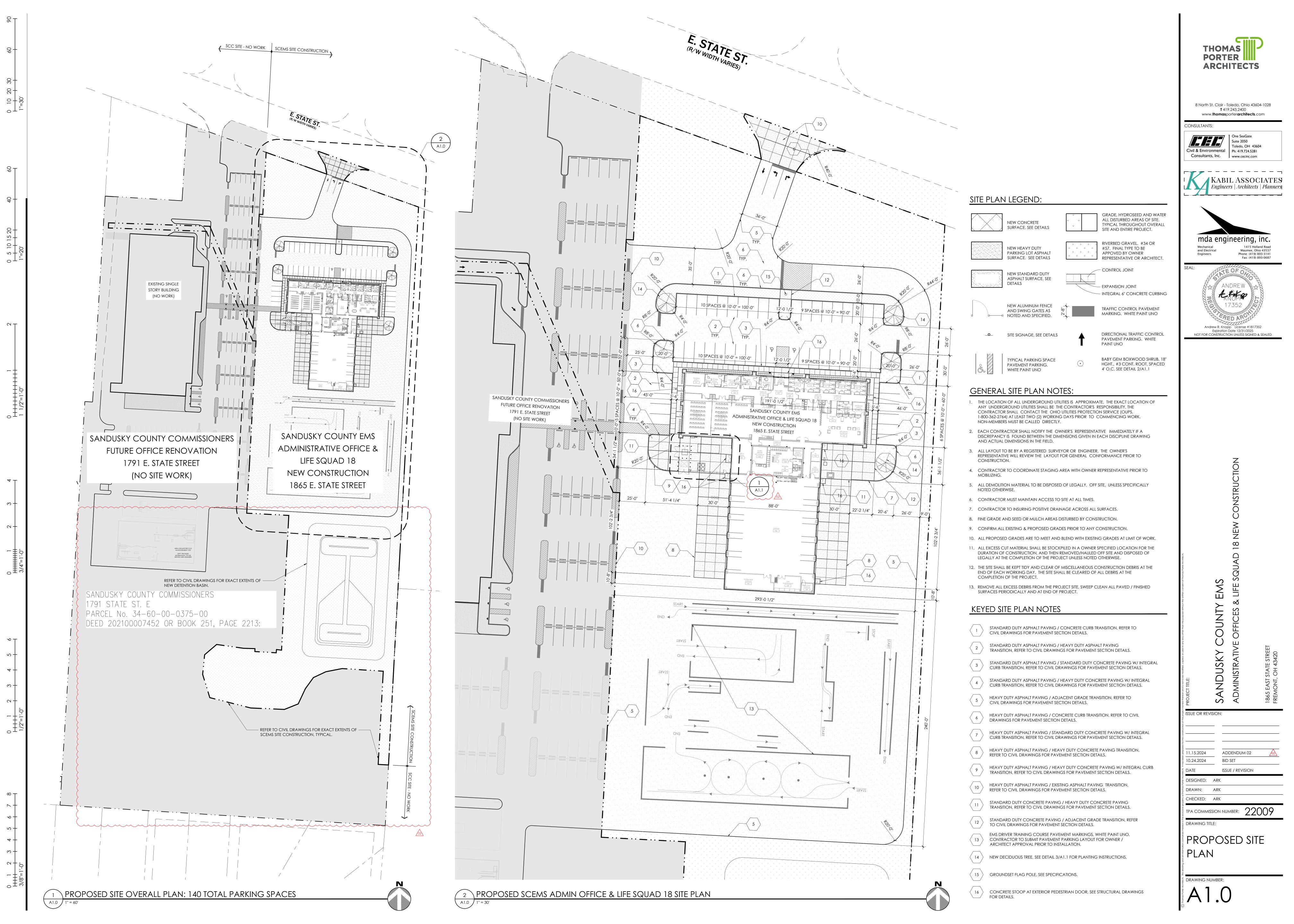


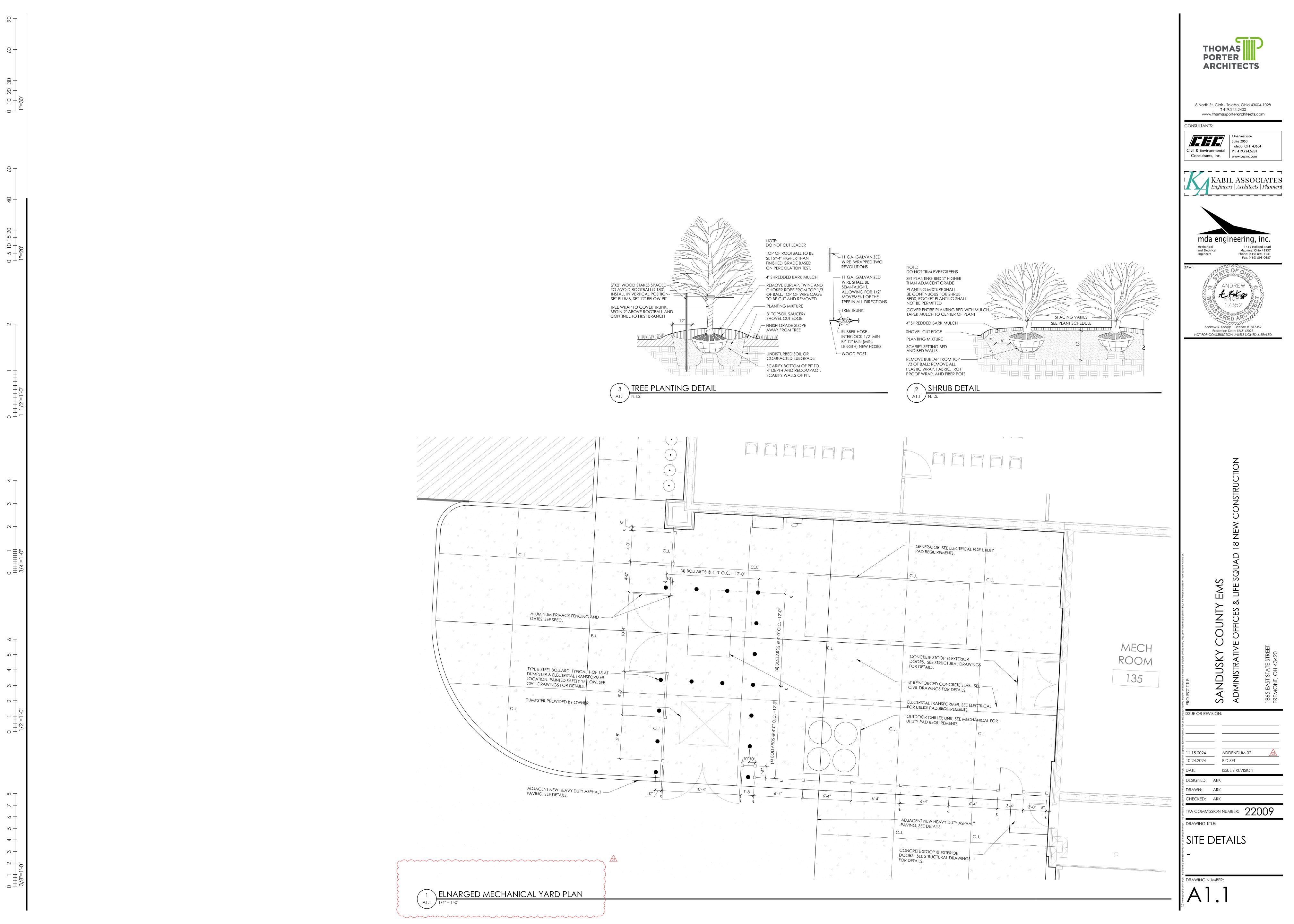


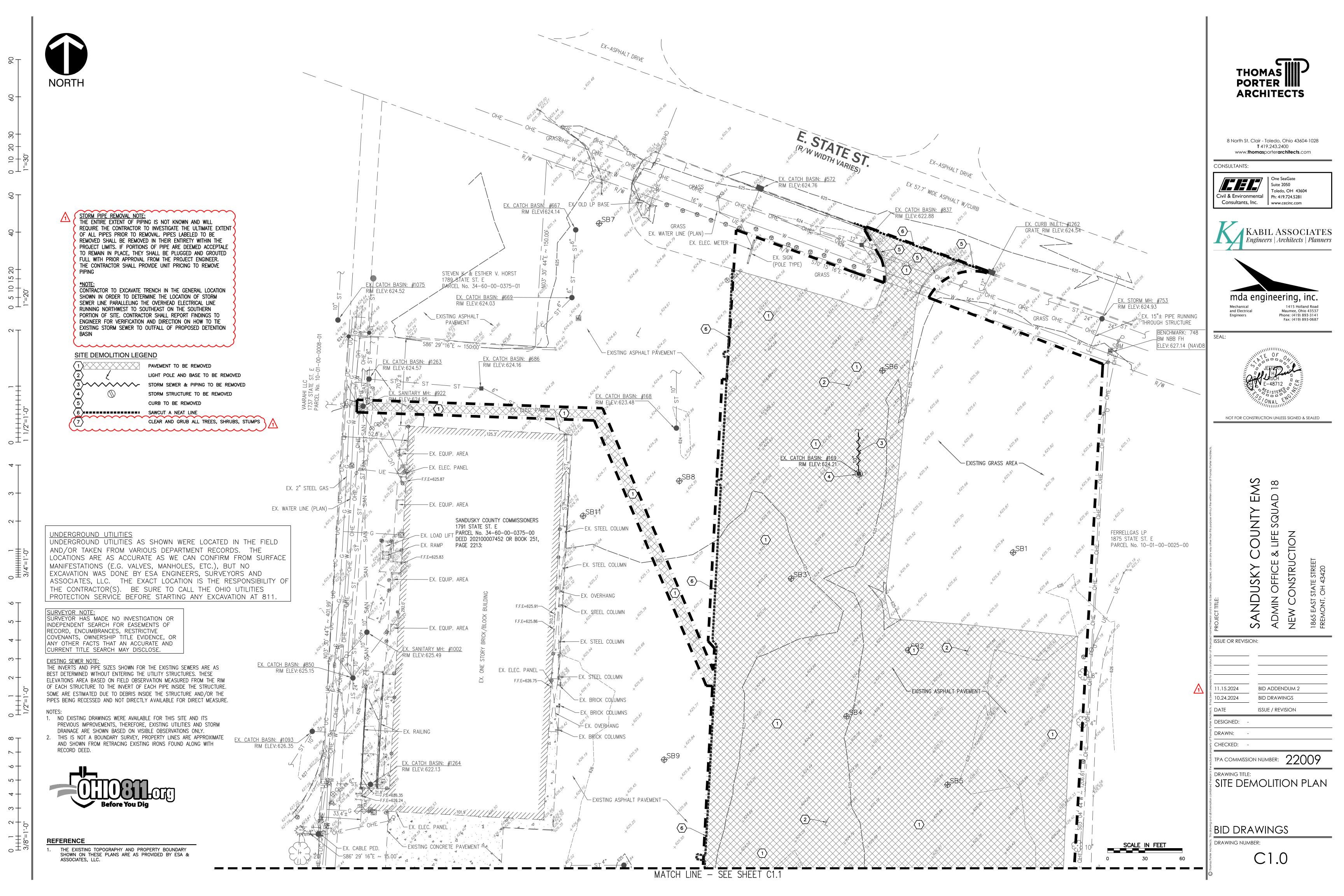


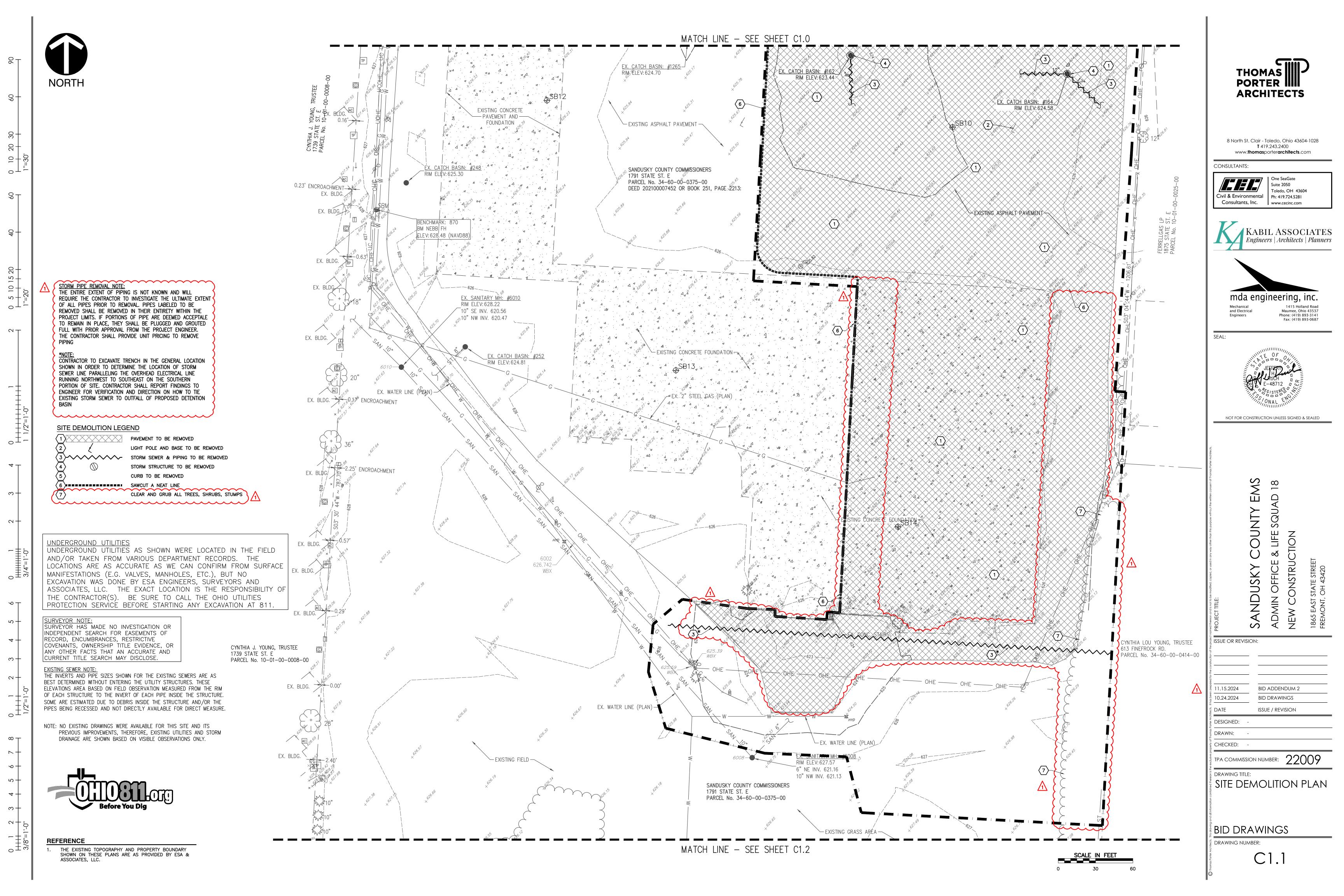
883 MAIN STREET GIBSONBURG, OHIO 43431

ADDENDUM 02 ISSUED FOR BID TPA COMMISSION NUMBER: 23007









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MATCH LINE - SEE SHEET C1.1 EX. 310KM MH: #6018 RIM ELEV:627.34 (2) 24" N. INV. 616.77 (2) 18" E. INV. 616.70 EX. BLDG. SANDUSKY COUNTY COMMISSIONERS 1791 STATE ST. E PARCEL No. 34-60-00-0375-00 EX. ASPHALT — EXISTING GRASS AREA-CYNTHIA J. YOUNG, 1739 STATE ST. E PARCEL No. 10-01-0 EX. WATER LINE (PLAN) — ← EXISTING FIELD — FOUND IRON PIN FOUND 1" IRON ROD S: 0.24′ NICOLE J. ALMEDIA E: 0.18' 1734 MARIO PL. LAURE K. RULMAN LOT 6606 KEVIN P. CAMPBELL PARCEL No. 34-50-00-6318-00 1726 MARIO PL. AARON & DHIA PEACH PARCEL No. 34-50-00-6317-00 LOT 6607 ,1800 MARIO PL. 1808 MARIO PL. PARCEL No. 34-50-00-6606-00 SCOTT J. & KELLY J. AXE PARCEL No. 34-50-00-6605-00 VARGAS ESTATES PHASE I 1816 MARIO PL. - VARGAS ESTATES PHASE II PLAT VOL. 16, PG. 24 LOT 6608 PARCEL No. 34-50-00-6607-00 PLAT VOL. 24, PG. 132 ✓ VARGAS ESTATES PHASE II — PLAT VOL. 24, PG. 132 1818 MARIO PL. PARCEL No. 34-50-00-6608-00

				RE SCHEDUL		
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	CAN'T 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	Е	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	Е	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	Е	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	Е	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

REFERENCE

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

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 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 AREA BASED ON FIELD OBSERVATION MEASURED FROM THE RIM OF EACH STRUCTURE TO THE INVERT OF EACH PIPE INSIDE THE STRUCTURE. SOME ARE ESTIMATED DUE TO DEBRIS INSIDE THE STRUCTURE AND/OR THE PIPES BEING RECESSED AND NOT DIRECTLY AVAILABLE FOR DIRECT MEASURE. 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 ACCEPTALE 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

*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

THOMAS PORTER ARCHITECTS

8 North St. Clair - Toledo, Ohio 43604-1028 **T** 419.243.2400 www.thomasporterarchitects.com

CONSULTANTS:

TEL. Civil & Environmental | Ph: 419.724.5281 Consultants, Inc. www.cecinc.com







Maumee, Ohio 43537 Phone: (419) 893-3141 Fax: (419) 893-0687

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11.15.2024 BID ADDENDUM 2 BID DRAWINGS

10.24.2024 ISSUE / REVISION DESIGNED:

DRAWN: CHECKED:

TPA COMMISSION NUMBER:

DRAWING TITLE:

SITE DEMOLITION PLAN

BID DRAWINGS

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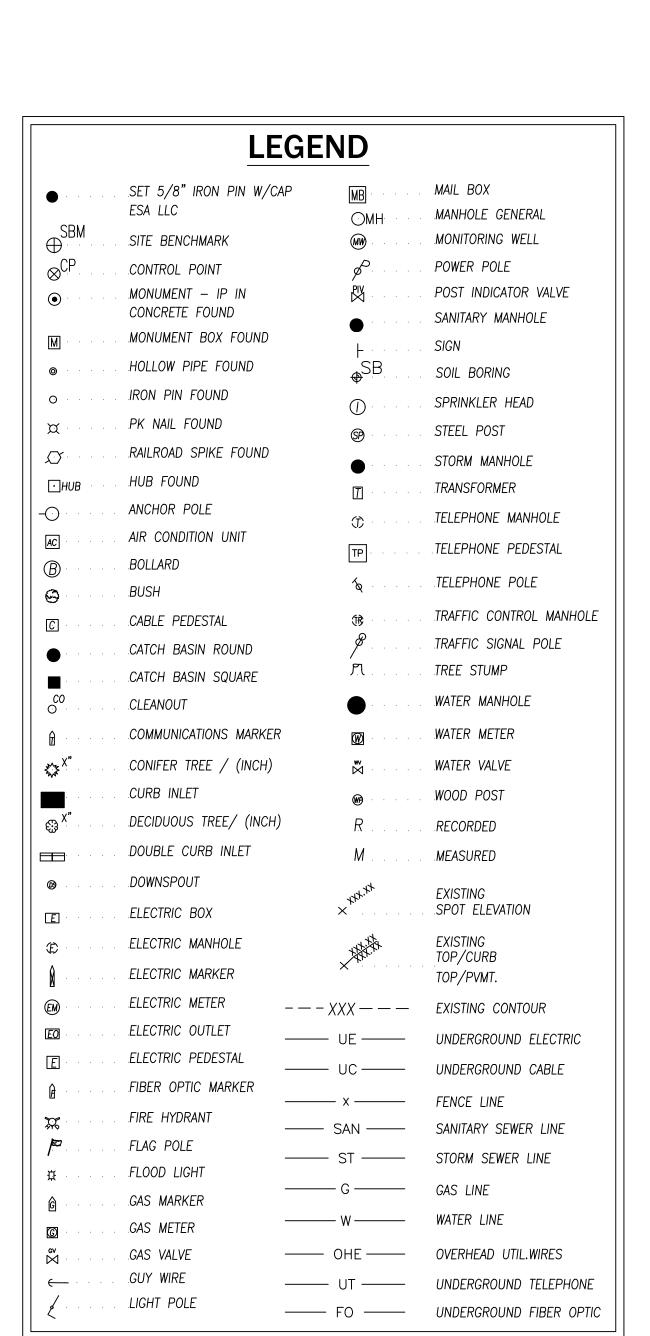
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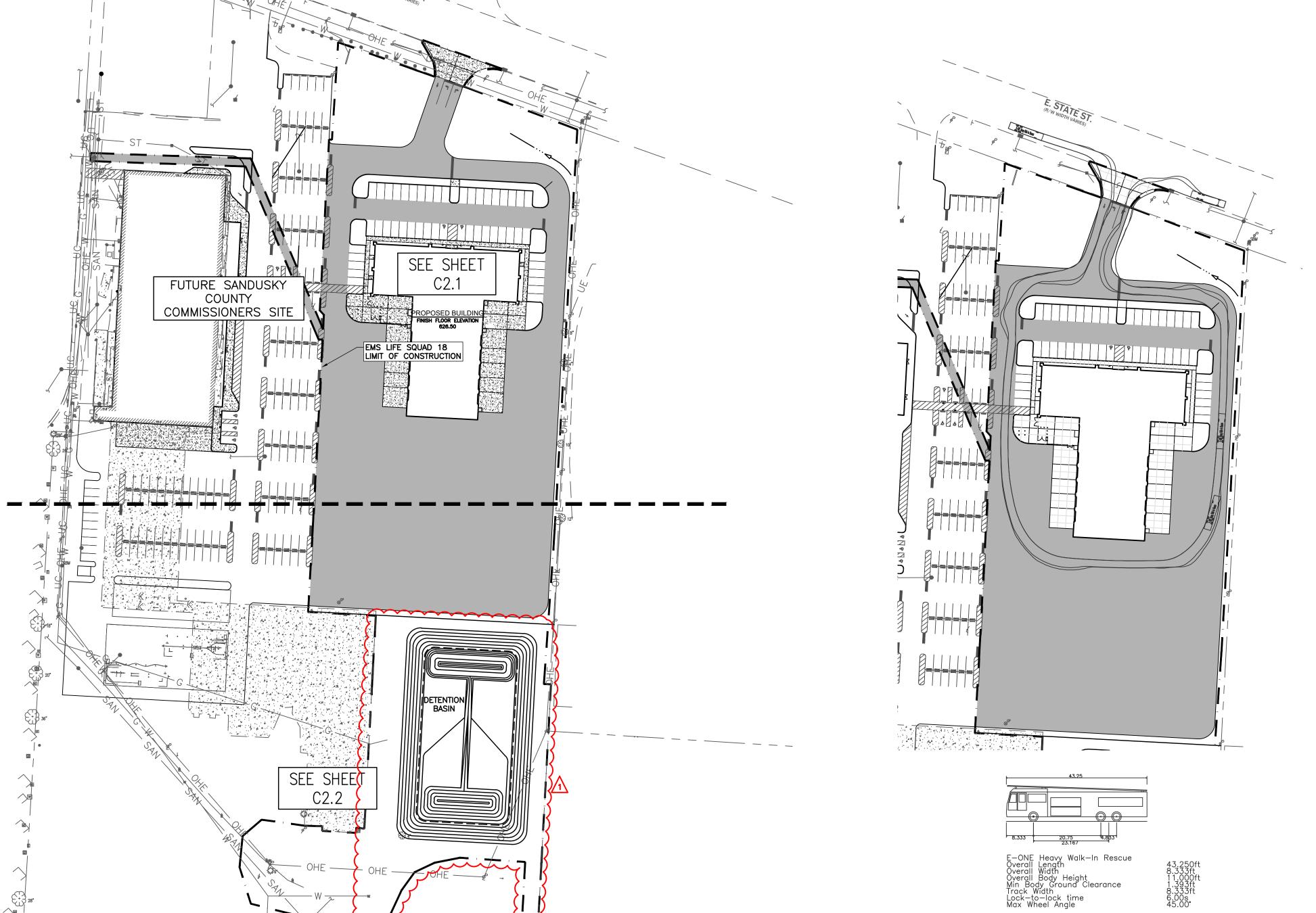
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SEE SHEET

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11.15.2024 BID ADDENDUM 2
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KABIL ASSOCIATES

Engineers | Architects | Planners

Maumee, Ohio 43537 Phone: (419) 893-3141 Fax: (419) 893-0687

mda engineering, inc.

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TPA COMMISSION NUMBER: 22009

DRAWING TITLE:

OVERALL SITE PLAN

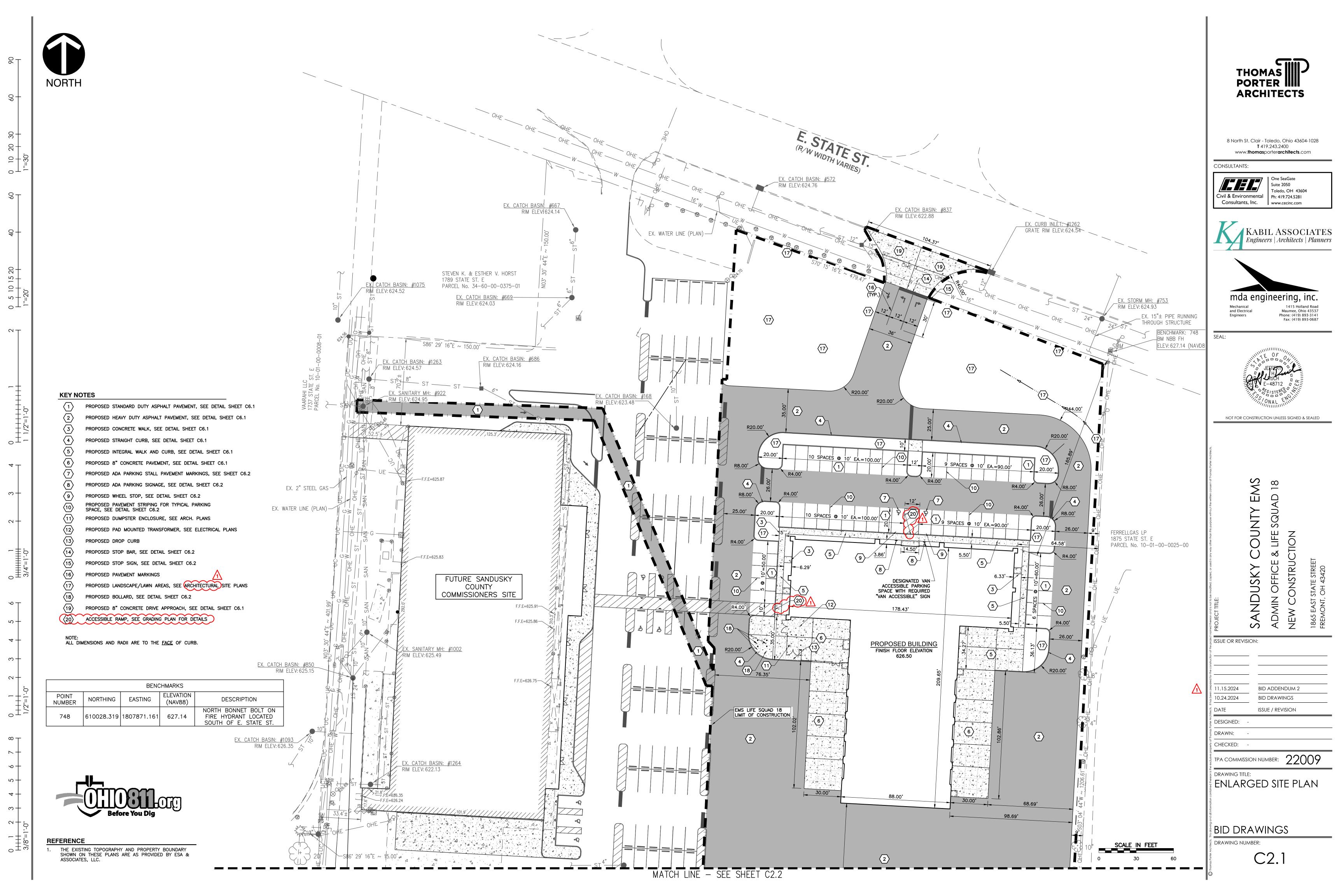
BID DRAWINGS

DRAWING NUMBER:

Before You Dig

SCALE IN FEET

TURN MOVEMENTS



MATCH LINE - SEE SHEET C2.1 FUTURE SANDUSKY COUNTY EX. CATCH BASIN: #1265-RIM ELEV: 624.70 COMMISSIONERS SITE NORTH CYNTHIA J. YOUNG, 1739 STATE ST. E PARCEL No. 10-01-0.16 2 EMS LIFE SQUAD 18 LIMIT OF CONSTRUCTION 0.23' ENCROACHMENT BM NEBB FH 2 293' $\langle 2 \rangle$ EX. SANITARY MH: #6010 RIM ELEV: 628.22 10" NW INV. 620.47 (17) RIM ELEV: 624.81 (. WATER LINE (PEAN) 0.17' ENCROACHMENT DETENTION BASIN 2.25' ENCROACHMENT **KEY NOTES** PROPOSED STANDARD DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C6.1 PROPOSED HEAVY DUTY ASPHALT PAVEMENT, SEE DETAIL SHEET C6.1 PROPOSED CONCRETE WALK, SEE DETAIL SHEET C6.1 PROPOSED STRAIGHT CURB, SEE DETAIL SHEET C6.1 <u>`-----</u> PROPOSED INTEGRAL WALK AND CURB, SEE DETAIL SHEET C6.1 PROPOSED CONCRETE PAD, SEE DETAIL SHEET C6.1 40.00' PROPOSED ADA PARKING STALL PAVEMENT MARKINGS, SEE SHEET C6.2 CYNTHIA LOU YOUNG, TRUSTEE PROPOSED ADA PARKING SIGNAGE, SEE DETAIL SHEET C6.2 CYNTHIA J. YOUNG, TRUSTEE 1739 STATE ST. E 613 FINEFROCK RD. PARCEL No. 34-60-00-0414-00 PROPOSED WHEEL STOP, SEE DETAIL SHEET C6.2 PARCEL No. 10-01-00-0008-00 PROPOSED PAVEMENT STRIPING FOR TYPICAL PARKING SPACE, SEE DETAIL SHEET C6.2 PROPOSED DUMPSTER ENCLOSURE, SEE ARCH. PLANS PROPOSED PAD MOUNTED TRANSFORMER, SEE ELECTRICAL PLANS PROPOSED DROP CURB EX. WATER LINE (PLAN) -PROPOSED STOP BAR, SEE DETAIL SHEET C6.2 PROPOSED STOP SIGN, SEE DETAIL SHEET C6.2 PROPOSED PAVEMENT MARKINGS PROPOSED LANDSCAPE/LAWN AREAS, SEE ARCHITECTURAL SITE PLANS ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB. 6" NE INV. 621.16 10" NW INV. 621.13 BENCHMARKS MATCH LINE - SEE SHEET C2.3

ELEVATION

(NAV88)

EASTING

610028.319 1807871.161 627.14

NUMBER

DESCRIPTION

NORTH BONNET BOLT ON

FIRE HYDRANT LOCATED SOUTH OF E. STATE ST.



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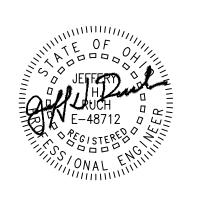
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11.15.2024 10.24.2024 **BID DRAWINGS**

BID ADDENDUM 2 ISSUE / REVISION

DESIGNED: DRAWN: CHECKED:

22009 TPA COMMISSION NUMBER:

DRAWING TITLE:

ENLARGED SITE PLAN

BID DRAWINGS

DRAWING NUMBER:

REFERENCE

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LEGEND

•	SET 5/8" IRON PIN W/CA ESA LLC		
SBM			MANHOLE GENERAL
$\bigoplus_{i=1}^{n}$	SITE BENCHMARK	0	MONITORING WELL
	CONTROL POINT	,	POWER POLE
• • • • •	MONUMENT — IP IN CONCRETE FOUND	, ,	POST INDICATOR VALVE SANITARY MANHOLE
M · · · · ·	MONUMENT BOX FOUND	● · · · · ·	
© · · · · ·	HOLLOW PIPE FOUND	'CD	SOIL BORING
0	IRON PIN FOUND	\bigcirc	SPRINKLER HEAD
X · · · ·	.PK NAIL FOUND	(SP) · · · · ·	STEEL POST
∑ ` • • • • • • • • • • • • • • • • • • •	RAILROAD SPIKE FOUND	· ·	STORM MANHOLE
⊡HUB	HUB FOUND	П · · · · ·	TRANSFORMER
_	ANCHOR POLE	一 ⑦·····	TELEPHONE MANHOLE
	AIR CONDITION UNIT	ТР	.TELEPHONE PEDESTAL
B			TELEPHONE POLE
9		•	
	CABLE PEDESTAL		TRAFFIC CONTROL MANHOLE
	CATCH BASIN ROUND	J	TRAFFIC SIGNAL POLE
-	CATCH BASIN SQUARE		
CO O			WATER MANHOLE
Ш	COMMUNICATIONS MARKER		WATER METER
,	CONIFER TREE / (INCH)	₩	WATER VALVE
	CURB INLET	@	WOOD POST
	DECIDUOUS TREE/ (INCH)	<i>R</i>	RECORDED
	DOUBLE CURB INLET	М	MEASURED
®	DOWNSPOUT	× ********	EXISTING
E	ELECTRIC BOX	× ·	SPOT ELEVATION
Œ	ELECTRIC MANHOLE		EXISTING TOP/CURB
À	ELECTRIC MARKER	× "	TOP/PVMT.
EM	ELECTRIC METER	XXX	EXISTING CONTOUR
	ELECTRIC OUTLET	—— UE ——	UNDERGROUND ELECTRIC
_	ELECTRIC PEDESTAL	—— UC ——	UNDERGROUND CABLE
_	FIBER OPTIC MARKER	x	FENCE LINE
X	FIRE HYDRANT	—— SAN ——	SANITARY SEWER LINE
P		—— ST ——	STORM SEWER LINE
	FLOOD LIGHT	G	
_	GAS MARKER	w	5, 15 <u>-</u>
©	GAS METER		
⊗ ⊠	GAS VALVE	—— OHE ——	OVERHEAD UTIL.WIRES

GUY WIRE

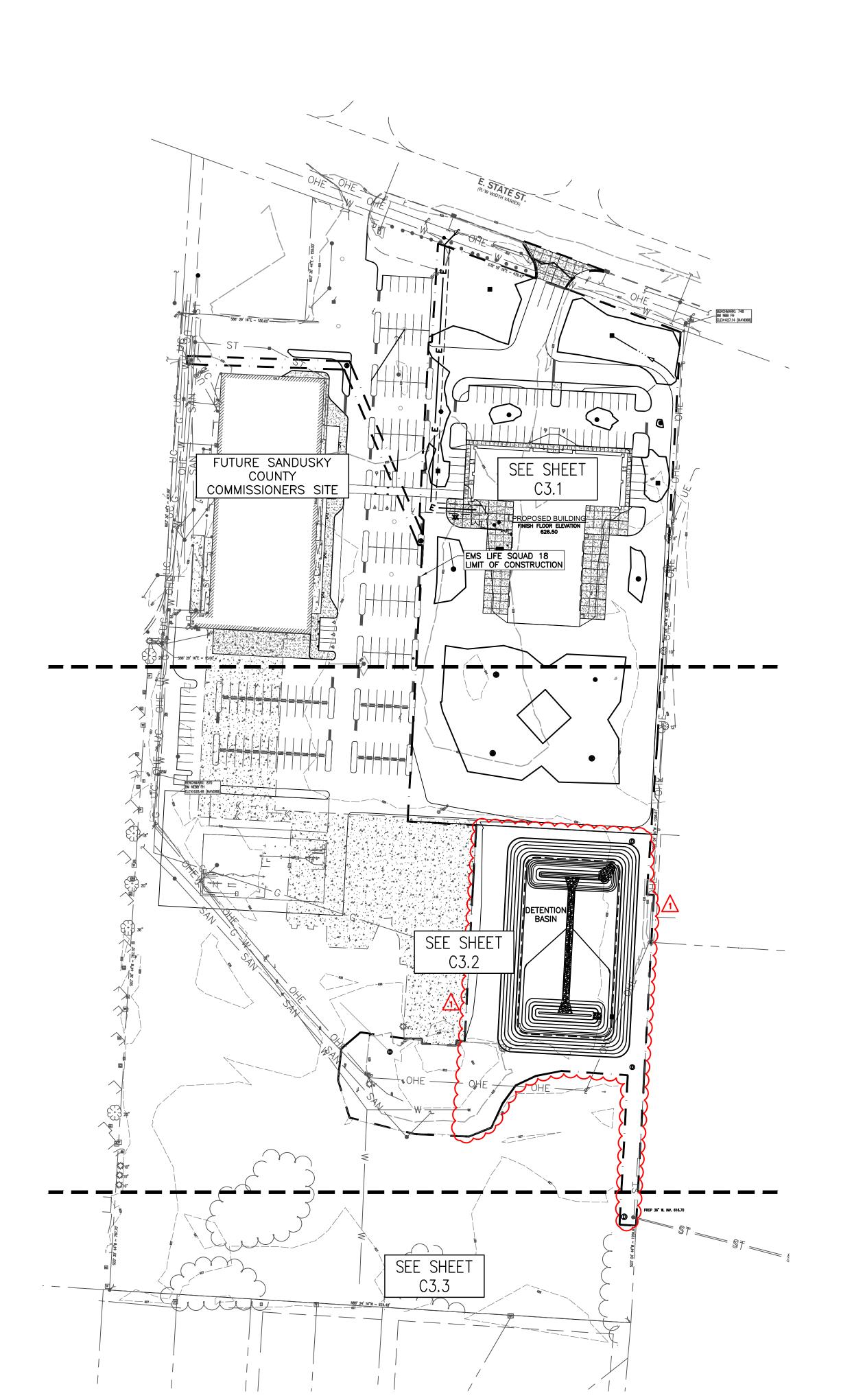
LIGHT POLE

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— UT — UNDERGROUND TELEPHONE

— FO — UNDERGROUND FIBER OPTIC







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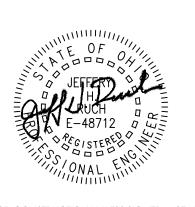
CONSULTANTS:





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

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CHECKED: TPA COMMISSION NUMBER: 22009

DRAWING TITLE:

OVERALL GRADING & DRAINAGE PLAN

BID DRAWINGS

DRAWING NUMBER:

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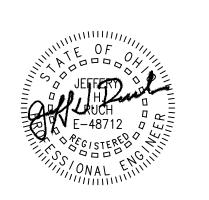
Suite 2050 Toledo, OH 43604

Fax: (419) 893-0687





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22009 TPA COMMISSION NUMBER:

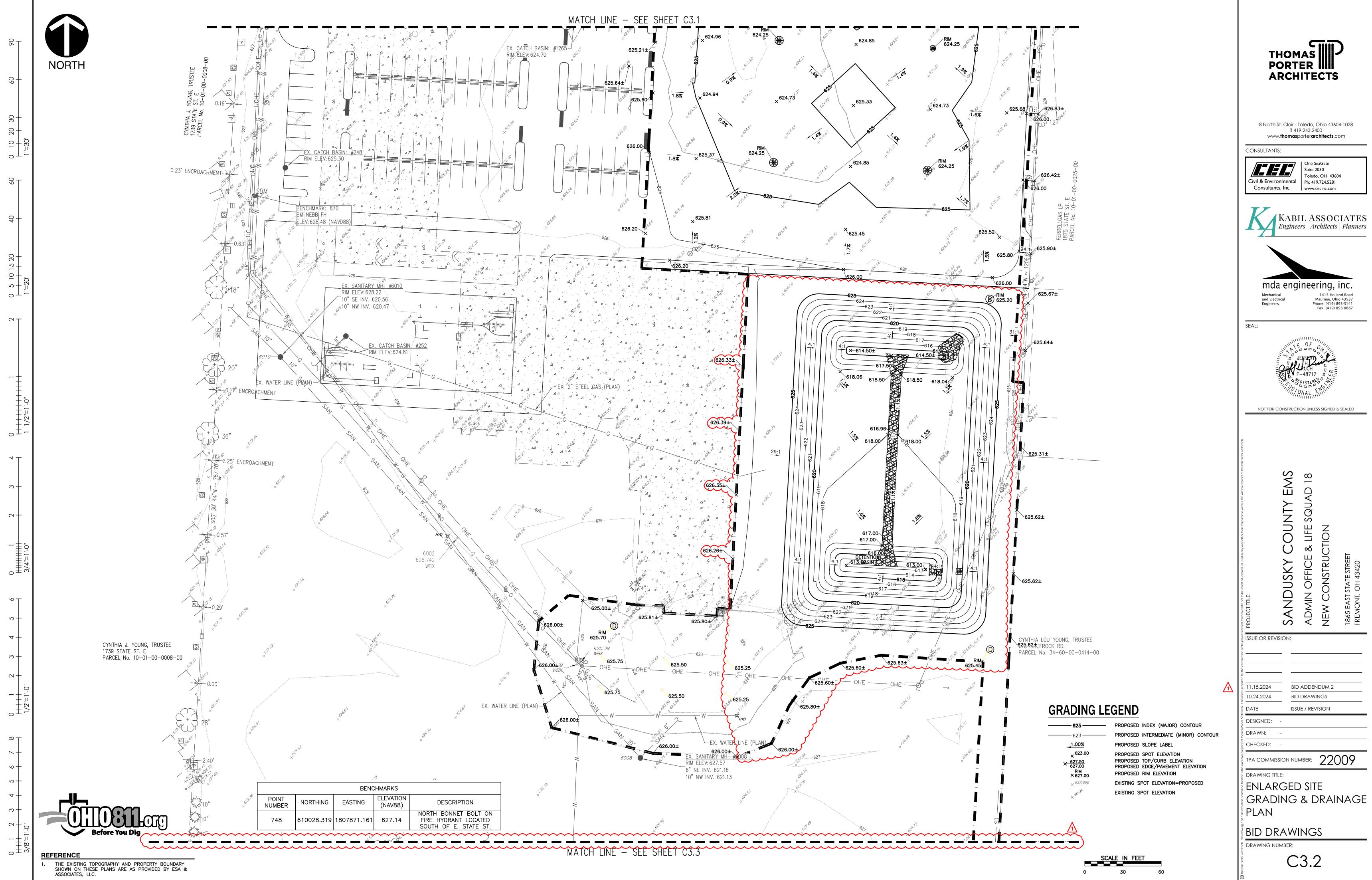
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ENLARGED SITE GRADING & DRAINAGE PLAN

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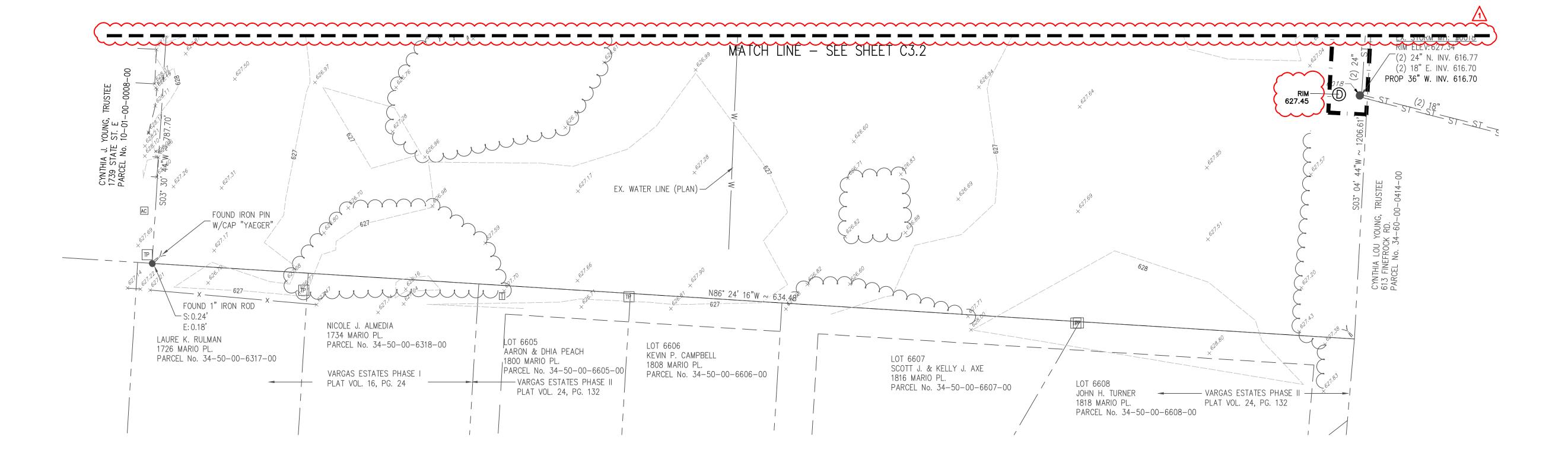
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GRADING LEGEND

PROPOSED INTERMEDIATE (MINOR) CONTOUR 1.00% PROPOSED SLOPE LABEL × 623.00 PROPOSED SPOT ELEVATION PROPOSED TOP/CURB ELEVATION PROPOSED EDGE/PAVEMENT ELEVATION RIM × 627.00 PROPOSED RIM ELEVATION × ^{627.89E} EXISTING SPOT ELEVATION=PROPOSED 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.		
				SOUTH OF E. STATE ST.		

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
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EX. CATCH BASIN	169	624.21	10"	RCP	N	621.56
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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
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		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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CONSULTANTS:

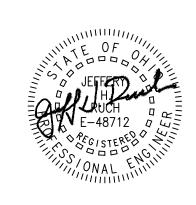
Suite 2050 Civil & Environmental | Ph: 419.724.5281





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

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ISSUE OR REV	/ISION:	
11.15.2024		BID ADDENDUM 2

BID DRAWINGS 10.24.2024 ISSUE / REVISION

DESIGNED: DRAWN:

CHECKED: TPA COMMISSION NUMBER:

DRAWING TITLE:

ENLARGED SITE GRADING & DRAINAGE PLAN

BID DRAWINGS

DRAWING NUMBER:



REFERENCE

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

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CONSULTANTS:

Civil & Environmental Consultants, Inc.

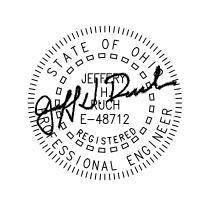
One SeaGate Suite 2050
Toledo, OH 4360
Ph: 419.724.5281
www.cecinc.com







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ISSUE OR REVISION:

11.15.2024 BID ADDENDUM 2
10.24.2024 BID DRAWINGS

DATE

BID DRAWINGS

ISSUE / REVISION

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
S	PROPOSED SANITARY MANHOLE
@	PROPOSED SANITARY CLEANOUT
w	PROPOSED WATER LINE
\mathbf{x}	PROPOSED HYDRANT
•	PROPOSED WATER VALVE
D -	PROPOSED POST INDICATOR VALVE (P
—— E ——	PROPOSED ELECTRIC
G	PROPOSED GAS LINE
сомм	PROPOSED COMMUNICATION LINE
	PROPOSED STORM PIPE
•	PROPOSED CATCH BASIN
(D)	PROPOSED STORM MANHOLE
	FUTURE STORM PIPE
\bigcirc	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.		



REFERENCE

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

PROPOSED STORM SEWER STRUCTURES

PROP STRM 12, STD. CB, 4'ø RIM: 624.75 12" S. INV. 621.25

PROP STRM 13, STD. CB, 4'ø RIM: 624.75 12" S. INV. 621.25

PROP STRM 14, CB, ODOT 2-2B

PROP STRM 15, CB, ODOT 2-2B RIM: 624.25

PROP STRM 25, WQ 1.1 CB RIM: 622.00

PROP STRM 26, NO. 3 MH, 5'ø RIM: 625.45

PROP STRM 27, NO. 3 MH, 6'ø'

PROP STRM 28, NO. 3 MH, 4'ø RIM: 625.70

12" W. INV. 619.13

15" E. INV. 619.13

12" N. INV. 619.36

12" E. INV. 619.36

RIM: 624.25 12" S. INV. 619.70

12" SE. INV. 619.28

8" W INV. 617.00 12" S. INV. 617.00

36" S. INV. 617.00 12" N. INV. 617.00

24" W. INV. 617.00

36" E. INV. 616.73

36" N. INV. 616.73

EX **24"** NW. INV. 617.24 \pm

24" E. INV. 617.24

RIM: 627.45

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

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-

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

PROP STRM 11, NO. 3 MH, 4 RIM: 624.90 15" W. INV. 619.01 12" NW. INV. 619.01 18" S. INV. 619.01

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

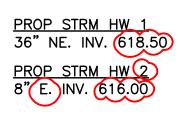
PROP STRM 20, STD. CB, 4'ø
RIM: 624.60
12" W. INV. 618.89
12" N. INV. 618.89
18" E. INV. 618.89

PROP STRM 21, STD. CB, 4'ø RIM: 624.50 12" N. INV. 619.10 12" S. INV. 619.10

PROP SIRM 22, CB, ODOT 2-2C RIM: 624.50 12" S. INV. 619.24

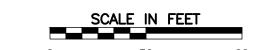
PROP STRM 23, CB, ODOT 2-2C RIM: (626.00) 12" E. INV. 619.23

PROPOSED HEADWALLS



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	CAN'T 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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CONSULTANTS:

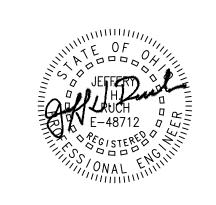
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SANDUSKY COUNTY I ADMIN OFFICE & LIFE SQUA NEW CONSTRUCTION

ISSUE OR REVISION	٧:

| 11.15.2024 | BID ADDENDUM 2 | BID DRAWINGS | DATE | ISSUE / REVISION

DESIGNED:
DRAWN: -

TPA COMMISSION NUMBER: 2200

DRAWING TITLE:

ENLARGED SITE UTILITY
PLAN

BID DRAWINGS

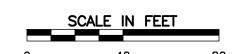
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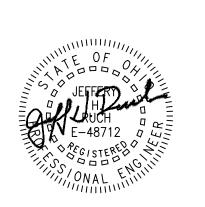
CONSULTANTS:

Civil & Environmental | Ph: 419.724.5281 Consultants, Inc. www.cecinc.com





mda engineering, inc. Maumee, Ohio 43537 Phone: (419) 893-3141 Fax: (419) 893-0687



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.15.2024	BID ADDENDUM 2
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ISSUE / REVISION DESIGNED:

DRAWN: CHECKED:

TPA COMMISSION NUMBER: 22009

SEDIMENT & SOIL EROSION PLAN (NORTH)

BID DRAWINGS

DRAWING NUMBER:

C5.0

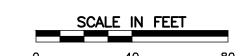
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0.23' ENCROACHMENT EX. SANITARY MH: #6010 RIM ELEV: 628.22 10" SE INV. 620.56 -0.17' ENCROACHMENT 2.25' ENCROACHMENT LIMIT OF DISTURBANCE 6.704 ACRES (292,040 FT²) EX. WATER LINE (PLAN) 6" NE INV. 621.16 10" NW INV. 621.13 EX. WATER LINE (PLAN) **EROSION CONTROL LEGEND** FOUND IRON PIN W/CAP "YAEGER" (2) INLET PROTECTION (P) FOUND 1"X IRON ROD
S: 0.24' 3 LIMITS OF DISTURBANCE - - - - -(4) CONCRETE WASHOUT (5) DUMPSTER AND STORAGE AREAS FOR SOLID, SANITARY, AND TOXIC WASTES E: 0.18' 6 PERMANENT SEEDING 7 ROCK CHANNEL PROTECTION, TYPE C, 24" THICK 8 VEHICLE REFUELING & MAINTENANCE 9 CONSTRUCTION ENTRANCE

MATCH LINE - SEE SHEET C5.0



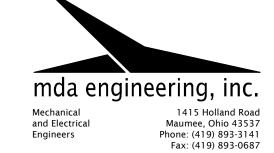


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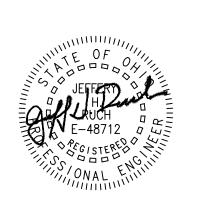
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ISSUE / REVISION DESIGNED:

DRAWN: CHECKED:

TPA COMMISSION NUMBER: 22009

DRAWING TITLE:

SEDIMENT & SOIL EROSION PLAN (SOUTH)

BID DRAWINGS

DRAWING NUMBER:

C5.1

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SEDIMENT POLLUTANT CONTROLS (GENERAL

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- 1. ALL WORK SHALL BE IN ACCORDANCE WITH OHIO EPA NPDES CONSTRUCTION STORM WATER GENERAL PERMIT (NO: OHCO00006) SOIL EROSION CONTROL MEASURES SHALL CONFORM WITH THE SPECIFICATIONS OF OHIO'S RAINWATER AND LAND DEVELOPMENT
- MANUAL BEST MANAGEMENT PRACTICES (BMP). 2. AN SWP3 IS REQUIRED FOR ALL PROJECTS THAT DISTURB 1 ACRE OR MORE AND MUST BE MAINTAINED ON SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- 3. A NOTICE OF INTENT (NOI) APPLICATION MUST BE FILED WITH THE OHIO EPA FOR ALL PROJECTS THAT DISTURB 1 ACRE OR MORE AT LEAST 21 DAYS PRIOR TO THE START OF ANY CONSTRUCTION
- A. ALL "OPERATORS" MUST OBTAIN PERMIT COVERAGE BEFORE BREAKING GROUND. THIS INCLUDES CONTRACTORS ASSOCIATED WITH AND RESPONSIBLE FOR THE SOIL EROSION ACTIVITIES.
- B. THESE OPERATORS" (CONTRACTORS) MUST FILE A CO-PERMITTEE NOI FORM WITH THE OHIO EPA PRIOR TO THE
- START OF CONSTRUCTION. THE CONTRACTOR/BUILDER FOR HOUSES IN RESIDENTIAL SUBDIVISIONS MUST FILE AN INDIVIDUAL LOT NOI WITH THE OHIO EPA PRIOR TO THE START OF CONSTRUCTION.
- 4. PERIMETER SEDIMENT CONTROLS (I.E. SEDIMENT TRAPS, SILT FENCE, COMPOST SOCKS, COMPOST BERMS, ETC.) SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN DAYS FROM THE START OF GRUBBING AND SHALL CONTINUE TO FUNCTION UNTIL UPSLOPE AREAS DRAINING TO THEM ARE PERMANENTLY STABILIZED, OR AS DIRECTED BY THE CITY/VILLAGE ENGINEER, OR DESIGNATED
- REPRESENTATIVE. SEDIMENT SETTLING PONDS (WHEN REQUIRED) SHALL BE INSTALLED AS THE FIRST STEP OF GRADING AND WITHIN 7 DAYS FROM THE START OF GRADING
- TEMPORARY INLET PROTECTION SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION FOR ALL CATCH
- A. ONCE FINAL STABILIZATION IS ACCOMPLISHED, THE DEVELOPER/OWNER SHALL REMOVE THE INLET PROTECTION DEVICES AND HYDRAULICALLY CLEAN THE STORM SEWERS TO THE SATISFACTION OF THE CITY ENGINEER AND THE PUBLIC WORKS SUPERINTENDENT. ALL SEDIMENT SHALL BE REMOVED FROM THE SYSTEM AND SHALL NOT BE FLUSHED DOWNSTREAM
- 7. SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS. 8. STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION AND
- TRAP SEDIMENT FROM A SITE REMAINING DISTURBED FOR MORE THAN 14 DAYS. 9. CONCENTRATED STORM RUNOFF FROM DISTURBED AREAS FLOWING AT
- RATES WHICH EXCEED THE DESIGN CAPACITY OF SEDIMENT BARRIERS MUST PASS THROUGH A SEDIMENT SETTLING POND. 10. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED
- SO THAT PREVENTIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
- 11. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT OPERATIONS WHICH PROMOTE 12. CLEANUP WILL BE CONDUCTED IN A MANNER TO ENSURE THAT
- EROSION CONTROL MEASURES ARE NOT DISTURBED. 13. ALL DISTURBED AREAS THAT WILL BE LEFT IDLE OVER THE WINTER SHALL BE TEMPORARILY STABILIZED.
- 14. IF THE DEVELOPMENT AREA WILL, OR IS PLANNED TO REMAIN, ACTIVE THROUGH THE WINTER MONTHS, THE OWNER OF THE DEVELOPMENT AREA SHALL HOLD A PRE-WINTER STABILIZATION MEETING BEFORE OCTOBER 1ST. THE OWNER SHALL INVITE THE OPERATOR, DEVELOPER, ENGINEER, CONTRACTOR, CITY ENGINEER AND ANYONE ELSE REQUESTED BY THE CITY ENGINEER TO THE MEETING.
- 15. NO EROSION AND SEDIMENT CONTROL BMP'S SHALL BE REMOVED FROM THE SITE PRIOR TO ADEQUATE PERMANENT STABILIZATION OF THE ASSOCIATED UPLAND DRAINAGE AREAS AND WITHOUT FIRST OBTAINING AUTHORIZATION FROM THE CITY/VILLAGE ENGINEER, OR HIS DESIGNATED REPRESENTATIVE, UNLESS THEIR REMOVAL IS SPECIFICALLY PROVIDED FOR WITHIN THE SITE'S APPROVED PLAN.
- 16. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DISPOSED OF IMMEDIATELY AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. UNLESS OTHERWISE REQUIRED BY THE CITY ENGINEER. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
- 17. TRENCHES SHALL REMAIN OPEN FOR NO MORE THAN FIVE DAYS. THERE SHALL BE NO SEDIMENT-LADEN OR TURBID DISCHARGES TO WATER RESOURCES OR WETLANDS RESULTING FROM DEWATERING ACTIVITIES. IF TRENCH OR GROUNDWATER CONTAINS SEDIMENT, IT MUST PASS THROUGH A SEDIMENT TRAP OR OTHER EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE, PRIOR TO BEING DISCHARGED FROM THE CONSTRUCTION SITE. ALTERNATIVELY, SEDIMENT MAY BE REMOVED BY SETTLING IN PLACE OR BY DEWATERING INTO A SUMP PIT, FILTER BAG OR COMPARABLE PRACTICE. GROUND WATER DEWATERING WHICH DOES NOT CONTAIN SEDIMENT OR OTHER POLLUTANTS IS NOT REQUIRED TO BE TREATED PRIOR TO DISCHARGE. HOWEVER, CARE MUST BE TAKEN WHEN DISCHARGING GROUND WATER TO ENSURE THAT IT DOES NOT BECOME POLLUTANT-LADEN BY TRAVERSING OVER DISTURBED SOILS OR OTHER POLLUTANT SOURCES.
- 18. STREETS DIRECTLY ADJACENT TO CONSTRUCTION ENTRANCES AND RECEIVING TRAFFIC FROM THE DEVELOPMENT AREA, SHALL BE CLEANED DAILY TO REMOVE SEDIMENT TRACKED OFF-SITE. I APPLICABLE, THE CATCH BASINS ON THESE STREETS NEAREST TO THE CONSTRUCTION ENTRANCES SHALL ALSO BE CLEANED WEEKLY. BASED ON SITE CONDITIONS, THE CITY/VILLAGE ENGINEER, OR HIS DESIGNATED REPRESENTATIVE, MAY REQUIRE ADDITIONAL BEST MANAGEMENT PRACTICES TO CONTROL OFF-SITE TRACKING OF DUST.
- 19. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER, OR REPRESENTATIVE, TO INSPECT ALL CONTROLS ON THE SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS, AND WITHIN 24 HOURS AFTER

- ANY STORM EVENT GREATER THAN ONE-HALF INCH OF RAIN PER 24 HOUR PERIOD. WHEN INSPECTIONS REVEAL THE NEED FOR REPAIR, REPLACEMENT, OR INSTALLATION OF EROSION AND SEDIMENT CONTROL BMP'S. THE FOLLOWING PROCEDURES SHALL BE FOLLOWED:
- A. WHEN PRACTICES REQUIRE REPAIR OR MAINTENANCE: THE BMP SHALL BE REPAIRED WITHIN 3 DAYS OF INSPECTION. EXCEPTION: SEDIMENT PONDS SHALL BE REPAIRED OR MAINTAINED WITH 10 DAYS OF INSPECTION.
- WHEN PRACTICES FAIL TO PROVIDE THEIR INTENDED FUNCTION: A MORE APPROPRIATE BMP SHALL BE SELECTED AND IMPLEMENTED WITHIN 10 DAYS OF THE INSPECTION.
- C. DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION AND SEDIMENT CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS.
- D. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE VEHICLE TRACKING. WHEN PRACTICES DEPICTED IN THE SWP3 ARE NOT INSTALLED: THE BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION. IF THE INSPECTION REVEALS THAT THE BMP IS NOT NECESSARY, THE RECORD MUST CONTAIN AN
- EXPLANATION FOR THE DECISION. 20. THE APPLICANT SHALL MAINTAIN FOR 3 YEARS FOLLOWING FINAL STABILIZATION, THE RESULTS OF THESE INSPECTIONS, THE NAMES AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTIONS, THE DATES OF INSPECTIONS, WEATHER CONDITIONS, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWP3, A CERTIFICATION AS TO WHETHER THE FACILITY IS IN COMPLIANCE WITH THE SWP3, AND INFORMATION ON ANY INCIDENTS OF NON-COMPLIANCE
- DETERMINED BY THESE INSPECTIONS. A. THE INSPECTION LOG WILL INCLUDE THE DATE AND ACTIONS TAKEN TO CORRECT PROBLEMS NOTED IN PAST INSPECTION
- B. IF THE CONSTRUCTION SITE IS SUBJECT TO OHIO EPA'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR CONSTRUCTION ACTIVITY, A COPY OF ALL THE REQUIRED INSPECTION SHEETS WILL BE SUBMITTED TO THE CITY ENGINEER WITHIN THREE (3) WORKING DAYS OF THE DATE THAT THE INSPECTION WAS CONDUCTED.
- 21. ALL EROSION AND SEDIMENT CONTROL PRACTICES SPECIFIED ON THIS PLAN SHALL CONFORM WITH THE DETAILS AND SPECIFICATIONS OUTLINED IN THE CURRENT VERSION OF THE OHIO DEPARTMENT OF NATURAL RESOURCES, "RAINWATER AND LAND DEVELOPMENT" MANUAL, OR AS SPECIFIED BY THE CITY/VILLAGE ENGINEER, OR
- DESIGNATED REPRESENTATIVE. 22. EROSION AND SEDIMENT CONTROL PRACTICES NOT ALREADY SPECIFIED ON THIS PLAN MAY BE NECESSARY DUE TO UNFORESEEN ENVIRONMENTAL CONDITIONS AND/OR CHANGES IN DRAINAGE PATTERNS CAUSED BY EARTH-MOVING ACTIVITY. ADDITIONAL PRACTICES SHALL BE IMPLEMENTED AT THE DEVELOPER'S EXPENSE AS DIRECTED BY THE CITY/VILLAGE ENGINEER, OR DESIGNATED
- REPRESENTATIVE. 23. NO STRUCTURAL SEDIMENT CONTROLS (SILT FENCE, SEDIMENT TRAPS, ETC.) SHALL BE USED IN A WATER RESOURCE OR WETLAND, UNLESS THEIR USE IS SPECIFICALLY PROVIDED FOR WITHIN THE SITE'S APPROVED PLAN.
- 24. SOIL STOCKPILES, TOPSOIL OR OTHERWISE, SHALL BE SITUATED AWAY FROM STREETS, SWALES, OR OTHER WATERWAYS AND SHALL BE SEEDED AND/OR MULCHED IMMEDIATELY.
- 25. ON-SITE PERSONNEL SHALL TAKE ALL NECESSARY MEASURES TO COMPLY WITH APPLICABLE REGULATIONS REGARDING FUGITIVE DUST EMISSIONS, INCLUDING OBTAINING NECESSARY PERMITS FOR SUCH EMISSIONS. THE CITY/VILLAGE ENGINEER, OR DESIGNATED REPRESENTATIVE, MAY REQUIRE DUST CONTROLS INCLUDING, BUT NOT LIMITED TO, THE USE OF WATER TRUCKS TO WET DISTURBED AREAS, TAPPING STOCKPILES, TEMPORARY STABILIZATION OF DISTURBED AREAS, AND REGULATION OF THE SPEED OF VEHICLES ON THE SITE.
- 26. ANY DISTURBED AREA NOT PAVED, SODDED, OR BUILT UPON SHALL HAVE A MINIMUM OF 80% UNIFORM VEGETATIVE COVER PRIOR TO FINAL INSPECTION AND, IN THE OPINION OF THE CITY/VILLAGE ENGINEER OR DESIGNATED REPRESENTATIVE. WILL BE MATURE ENOUGH TO CONTROL EROSION SATISFACTORILY AND SURVIVE SEVERE WEATHER.
- 27. A NOTICE OF TERMINATION (NOT) SHALL BE SUBMITTED WITHIN 45 DAYS OF COMPLETING ALL LAND DISTURBANCE ACTIVITIES.

STORMWATER POLLUTION PREVENTION PLAN (SWP3) NOTES

1. SITE INFORMATION

- a. SITE ACTIVITY THIS DEVELOPMENT CONSISTS OF CONSTRUCTION OF AN EMS LIFE SQUAD FACILITY AND ASSOCIATED SITE IMPROVEMENTS. THE EXISTING SITE IS VACANT PROPERTY. b. EXISTING SOILS - EXISTING SOILS CONSIST OF A STIFF CLAYEY LACUSTRINE DEPOSIT CONSISTING OF BROWN AND GRAY CLAY AND SILT WITH A TRACE OF SAND RANGING IN
- GENERALLY CONSIST OF SILTY CLAY GLACIAL TILL WITH BROWN AND GRAY CLAY AND SILT WITH SOME SAND AND TRACES OF GRAVEL. c. RUNOFF WATERS FROM THIS SITE ARE COLLECTED AND FLOW TO THE PRIVATE STORM SEWER AND NORTH DETENTION BASIN WHICH OUTLETS TO THE EAST DETENTION BASIN AND

DEPTH FROM 1 TO 5 FEET BELOW THE SURFACE. SOIL CONDITIONS BELOW 5 FEET

- SUBSEQUENTLY THE CITY STORM SEWER SYSTEM.
- 2. SITE LOCATION, LATITUDE: 41°20'19.64"N LONGITUDE: 83°05'08.53"W
- 3. SITE DESCRIPTION TOTAL SITE a. TOTAL PROPERTY AREA = 17.951 ACRES
- b. EXISTING SITE
- SITE AREA = 17.951 ACRES TOTAL IMPERVIOUS AREA = 0.000 ACRES
- c. PRE-CONSTRUCTION RUNOFF COEFFICIENT = 0.100 d. NEW PROPOSED DEVELOPED SITE
- SITE AREA = 17.951 ACRES
- TOTAL IMPERVIOUS AREA = 13.794 ACRES d. FINAL RUNOFF COEFFICIENT = 0.800 e. AREA DISTURBED BY CONSTRUCTION ACTIVITIES THIS PHASE = (6.704) AC
- f. % IMPERVIOUS AREA (OF DEVELOPED SITE) = 81.0%
- g. BASIN OUTLET TO BARK CREEK
- a. CONTACT CITY OF FREMONT STORMWATER COORDINATOR PRIOR TO ANY EARTH DISTURBING ACTIVITIES b. INSTALL TEMPORARY FENCE.
- c. DESIGNATION OF AREA FOR STORAGE OR DISPOSAL OF SOLID, SANITARY, AND TOXIC WASTES, AREAS FOR CEMENT TRUCK WASHOUT AND FOR VEHICLE REFUELING
- d. INSTALL SILT FENCES AND SOIL EROSION CONTROL MEASURES e. STRIP TOPSOIL f. EXCAVATION AND EARTHWORK
- q. STABILIZE DENUDED AREAS AND STOCKPILES WITHIN 7 DAYS OF LAST CONSTRUCTION ACTIVITY
- h. ROUGH GRADE i. CONSTRUCT BUILDING PAD
- INSTALL SITE STORM AND SANITARY PIPING
- m. COMPLETE FINAL GRADING, PAVING, AND INSTALL PERMANENT SEEDING AND PLANTINGS n. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE SEDIMENT AND TEMPORARY EROSION CONTROL, RESEED ANY AREAS DISTURBED BY THEIR
- o. ONCE THE SITE IS STABILIZED MONITOR THE DETENTION BASINS YEARLY TO DETERMINE SEDIMENT ACCUMULATIONS. REMOVE SEDIMENT WHEN BASIN REACHES 40% OF CAPACITY
- 8. CONTROLS A. CONTRACTOR RESPONSIBILITIES: THE SITE CONTRACTOR (TO BE DETERMINED) IS RESPONSIBLE FOR THE CONSTRUCTION ACTIVITIES AND FOR THE IMPLEMENTATION OF THE
- CONTROLS REQUIRED BY THIS SWP3. THIS CONTRACTOR AND OTHER "OPERATORS" ARE TO SUBMIT CO-PERMITEES NOI'S. B. EROSION AND SEDIMENT CONTROLS: TEMPORARY AND PERMANENT STABILIZATION:
- ALL DISTURBED AREAS THAT WILL REMAIN DORMANT FOR MORE THAN 14 DAYS MUST BE TEMPORARILY STABILIZED WITHIN 7 DAYS. AREAS WITHIN 50' OF ANY STREAM THAT WILL REMAIN IDLE FOR MORE THAN 14 DAYS
- MUST BE TEMPORARILY STABILIZED WITHIN 2 DAYS. APPLY TO DISTURBED AREAS WITHIN 7 DAYS AFTER THE FINAL GRADE IS REACHED
- AND FOR AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE. FOR DISTURBED AREAS THAT WILL REMAIN IDLE OVER WINTER EROSION CONTROL
- MEASURES SHALL BE APPLIED PRIOR TO THE ONSET OF WINTER WEATHER. FOR DISTURBED AREAS WITHIN 50 FEET FROM A STREAM REMAINING DORMANT FOR
- OVER 14 DAYS TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 2 DAYS. FOR DISTURBED AREAS OVER 50 FEET FROM A STREAM REMAINING DORMANT FOR OVER 14 DAYS TEMPORARY EROSION CONTROLS SHALL BE APPLIED WITHIN 7 DAYS. CONTRACTOR SHALL INSTALL SPECIAL CONTROL MEASURES TO STABILIZE CHANNELS
- AND OUTFALLS. AS CONSTRUCTION PROGRESSES AND THE TOPOGRAPHY IS ALTERED CONTROL MEASURES SHALL BE CONSTRUCTED OR ALTERED TO ADDRESS THE CHANGING PATTERNS.
- C. STRUCTURAL CONTROL PRACTICES • PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED AS THE FIRST STEP OF
- GRADING AND WITHIN 7 DAYS FROM THE START OF GRUBBING. SHEET FLOW RUNOFF FROM DENUDED AREAS SHALL BE INTERCEPTED BY SEDIMENT BARRIERS.
- STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION AND TRAP SEDIMENT FROM A SITE REMAINING DISTURBED FOR MORE THAN 14 DAYS. INLET PROTECTION SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE DURATION
- OF CONSTRUCTION FOR ALL CATCH BASINS ON SITE. 9. POST-CONSTRUCTION STORM WATER MANAGEMENT: IMPERVIOUS AREAS WILL BE REMOVED. BACKFILLED AND REGRADED AREAS, NOT DEVELOPED, WILL HAVE PERMANENT SEEDING. AREAS OF THE SITE WILL REMAIN UNTOUCHED AND IN ITS NATURAL STATE.
- 10. OTHER CONTROLS A. WASTE DISPOSAL: ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED AS OFTEN AS NECESSARY IN ACCORDANCE WITH STATE AND LOCAL CODES. NO CONSTRUCTION
- WASTE MATERIALS WILL BE BURIED ONSITE. B. HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. NO HAZARDOUS MATERIALS WILL LEAVE THE CONSTRUCTION SITE WITHOUT
- OWNER APPROVAL C. SANITARY WASTE: ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME A WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION
- 11. OFFSITE VEHICLE TRACKING: A STABILIZED CONSTRUCTION ENTRANCE HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE MAINTAINED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN
- 12. MAINTENANCE/INSPECTION PROCEDURE a. EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES: THE
- CONTRACTOR WILL PERFORM AND DOCUMENT THE FOLLOWING MAINTENANCE AND INSPECTION PROCEDURES: b. LESS THAN ONE HALF OF THE SITE WILL BE DENUDED AT ONE TIME
- c. ONLY QUALIFIED INSPECTION PERSONNEL WILL PERFORM THE INSPECTION
- d. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS AFTER EVERY STORM EVENT OF 0.5 INCHES OR GREATER WITHIN A 24 HOUR PERIOD. THE INSPECTION FREQUENCY MAY BE REDUCED TO AT LEAST ONCE EVERY MONTH FOR DORMANT SITES IF: THE ENTIRE SITE IS TEMPORARILY STABILIZED, OR, RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR EXTENDED PERIODS OF TIME (E.G., SITE IS COVERED WITH SNOW, ICE OF THE GROUND IS FROZEN).
- e. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT. f. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED
- ONE-THIRD THE HEIGHT OF THE FENCE. a. SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
- h. NON SEDIMENT POND BMP'S WILL BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS SHALL BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION i. BMP'S NOT MEETING THE INTENDED FUNCTION SHALL BE REPLACED WITHIN 10 DAYS OF THE INSPECTION.
- . MISSING BMP'S REQUIRED FOR THE INSTALLATION OF THE SWP3 SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- k. BUILT UP SEDIMENT IN THE DRAINAGE SWALES WILL BE REMOVED. I. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE

SPOTS, WASHOUTS, AND HEALTHY GROWTH.

m. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.

- n. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTING AND COMPLETING NEEDED REPAIRS, SUPERVISING SUCH REPAIRS AND FILLING OUT THE INSPECTION AND
- MAINTENANCE REPORT. o. THE INSPECTION AND MAINTENANCE REPORT WILL BE SIGNED BY THE QUALIFIED
- INSPECTION PERSONNEL AFTER EACH INSPECTION p. MISSING OR NON-FUNCTIONAL BMP'S WILL BE INSTALLED OR CORRECTED WITHIN 10 DAYS
- q. THE PERMITTEE SHALL MAINTAIN FOR THREE YEARS FOLLOWING THE SUBMITTAL OF A NOTICE OF TERMINATION FORM, A COPY OF THE INSPECTION RECORDS. 13. CONTAMINATED SOILS
- a. IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND
- DISPOSED OF AT LICENSED SANITARY LANDFILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION/DEMOLITION DEBRIS b. IF CONTAMINATED SOILS ARE ENCOUNTERED WITHIN THE SITE THEY MUST BE TREATED
- AND/OR DISPOSED IN AN OHIO EPA APPROVED SOLID WASTE MANAGEMENT FACILITY OR HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITY (TSDF).
- c. IF THE SITE CONTAINS CONTAMINATED SOIL THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATE RUNOFF AND PREVENT DISCHARGES SHOULD BE USED.
- d. CONTAMINATED SOILS SHALL BE COVERED WITH TARPS OR OTHER METHODS THAT PREVENT STORM WATER FROM COMING INTO CONTACT WITH THE MATERIAL. 14. DEWATERING ACTIVITIES
- e. IT IS THE CONTRACTORS RESPONSIBILITY TO DEVELOP AND UTILIZE A DEWATERING PLAN UTILIZING GROUND WATER CONDITIONS AND SOILS INFORMATION. f. THE DEWATERING PLAN SHALL INCLUDE LENGTH OF TIME DEWATERING ACTIVITIES WILL
- OCCUR. THE METHOD OF DEWATERING. DISCHARGE POINTS. METHODS TO CONTROL SEDIMENT IMPACTS AND THE CONTENTS OF A WRITTEN LOG TO BE KEPT ON SITE. THESE PLANS ARE SUBJECT TO APPROVAL BY LOCAL AUTHORITIES PRIOR TO CONSTRUCTION g. C. ALL DEWATERING DISCHARGES WITH SUSPENDED SOLIDS SHALL PASS THROUGH A
- PRACTICE TO REMOVE SEDIMENTS INCLUDING BUT NOT LIMITED TO SEDIMENT TRAPS, GEOTEXTILE FILTER BAGS, FLOCCULATION, OR A COMBINATION OF PRACTICES.
- 15. SPILL CONTROL PRACTICES a. CONTRACTOR SHALL DEVELOP AND MAINTAIN ON SITE A SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN. PETROLEUM BASED AND CONCRETE CURING COMPOUNDS MUST HAVE SPECIAL HANDLING PROCEDURES.
- b. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE WARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES. c. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE
- MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. d. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- e. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- f. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. g. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED THE
- OHIO EPA (AT 1-800-282-9378), THE LOCAL FIRE DEPARTMENT, AND LOCAL EMERGENCY PLANNING COMMITTEE (LEPC) WITHIN 30 MINUTES OF THE SPILL. h. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS
- ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. i. ALL SPILLS WHICH RESULT IN CONTACT WITH WATERS OF THE STATE, MUST BE REPORT TO
- OHIO EPA'S HOTLINE. j. THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.
- 16. GOOD HOUSEKEEPING AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB. k. ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE
- I. PRODUCT WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL. m. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE
- MANUFACTURER. n. WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE
- CONTAINER. o. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED. p. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL
- OF MATERIALS ONSITE. 17. CONTRACTOR SHALL UPDATE THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY AND KEEP RECORD OF THE CHANGES ON THE SWP3 AMENDMENT LOG. a. CONTRACTOR SHALL UPDATE THE SWP3 TO DESIGNATE AREAS USED FOR MIXING OR STORAGE OF COMPOUNDS SUCH AS FERTILIZERS, LIME, ASPHALT, OR CONCRETE. THESE
- AREAS MUST BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, OR OTHER STORM WATER DRAINAGE AREAS. b. CONTRACTOR SHALL UPDATE THE SWP3 TO DESIGNATE AREAS USED FOR FUELING OR PERFORMING VEHICLE MAINTENANCE. THESE AREAS MUST BE LOCATED AWAY FROM WATERCOURSES, DRAINAGE DITCHES, FIELD DRAINS, OR OTHER STORM WATER DRAINAGE
- c. CONTRACTOR SHALL PROVIDE A SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) FOR SITES WITH ONE ABOVE GROUND STORAGE TANK (AST) OF 660 GALLONS OR MORE, TOTAL ABOVE GROUND TANK STORAGE OF 1330 GALLONS, OR BELOW GROUND STORAGE OF 42,000 GALLONS OF FUEL.

TEMPORARY SEEDING

- 1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
- 2. TEMPORARY SEED SHALL BE APPLIED BETWEEN CONSTRUCTION OPERATIONS ON SOIL THAT WILL NOT BE GRADED OR REWORKED FOR 21 DAYS OR GREATER. THESE IDLE AREAS SHALL BE SEEDED WITHIN 7 DAYS AFTER GRADING.
- 3. THE SEEDBED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEEDBED PREPARATION IS NOT POSSIBLE.
- 4. SOIL AMENDMENTS--TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE THE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
- 5. SEEDING METHOD--SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

MULCHING TEMPORARY SEEDING

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.

2. MATERIALS:

- STRAW--IF STRAW IS USED, IT SHALL BE UNROTTED SMALL-GRAIN STRAW APPLIED AT A RATE OF 2 TONS PER ACRE OR 90 LBS. / 1,000 SQ. FT. (2-3)
- HYDROSEEDERS--IF WOOD CELLULOSE FIBER IS USED, IT SHALL BE USED AT 2000 LBS./ AC. OR 46 LB./ 1,000-SQ.-FT.
- OTHER--OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED
- 3. STRAW MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR WATER. ANCHORING METHODS:
- MECHANICAL—A DISK, CRIMPER, OR SIMILAR TYPE TOOL SHALL BE SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT LEFT TO A LENGTH OF APPROXIMATELY 6 INCHES.
- MULCH NETTING--NETTING SHALL BE USED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS. NETTING MAY BE NECES- SARY TO HOLD MULCH IN PLACE IN AREAS OF CONCENTRATED RUNOFF AND ON CRITICAL SLOPES.
- SYNTHETIC BINDERS——SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC). DCA-70, PETROSET, TERRA TRACK OR EQUIVALENT MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER.
- WOOD-CELLULOSE FIBER--WOOD-CELLULOSE FIBER BINDER SHALL BE APPLIED AT A NET DRY WT. OF 750 LB./AC. THE WOOD-CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB. / 100 GAL.

	SEEDING SPECIES SELECTION				
SEEDING DATES SPECIES LB/1000ft ² LB/ACRE					
MARCH 1	OATS	3	128		
TO	TALL FESCUE	1	40		
AUGUST 15	ANNUAL RYEGRASS	1	40		
	ANNUAL RYEGRASS PERENNIAL	1	40		
	TALL FESCUE	1	40		
	ANNUAL RYEGRASS	1	40		
	ANNUAL RYEGRASS PERENNIAL	1.25	55		
	RYEGRASS	3.25	142		
	CREEPING RED FESCUE	0.4	17		
	ANNUAL RYEGRASS	0.4	17		
	OATS	3	128		
	TALL FESCUE	1	40		
	ANNUAL RYEGRASS	1	40		
AUGUST 16	RYE	3	112		
TO	TALL FESCUE	1	40		
NOVEMBER 1	ANNUAL RYEGRASS	1	40		
	WHEAT	3	120		
	TALL FESCUE	1	40		
	ANNUAL RYEGRASS	1	40		
	PERENNIAL RYE	1	40		
	TALL FESCUE	1	40		
	ANNUAL RYEGRASS	1	40		
	ANNUAL RYEGRASS PERENNIAL	1.25	40		
	RYEGRASS	3.25	40		
	CREEPING RED FESCUE	0.4	40		
	ANNUAL RYEGRASS	0.4	40		
NOVEMBER 1 TO FEB. 29	USE MULCH ONLY OR DORMANT SEEDING				

TYPICAL MAINTENANCE ACTIVITIES FOR DETENTION BASINS

SCHEDULE	ACTIVITY
MONTHLY	MOW EMBANKMENT AND CLEAN TRASH AND DEBRIS FROM OUTLET STRUCTURE. ADDRESS ANY ACCUMULATION OF HYDROCARBONS.
ANNUALLY	INSPECT EMBANKMENT AND OUTLET STRUCTURE FOR DAMAGE AND PROPER FLOW. REMOVE WEEDS AND UNDESIRABLE VEGETATION AND FIX ANY ERODING AREAS. MONITOR SEDIMENT ACCUMULATIONS.
SEMI-ANNUALLY	INSPECT AREA FOR INVASIVE PLANTS.
5-7 YEARS	MONITOR SEDIMENT ACCUMULATIONS.
15-20 YEARS	MONITOR SEDIMENT ACCUMULATIONS & REMOVE ACCUMULATED SEDIMENT WHEN VOLUME IS REDUCED TO 40% OF CAPACITY OR IF POND BECOMES EUTORPHIC.

DETENTION MAINTENANCE DETAILS



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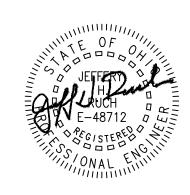




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SEAL:



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ISSUE OR REVISION: 11.15.2024 BID ADDENDUM 2 10.24.2024 BID DRAWINGS

ISSUE / REVISION

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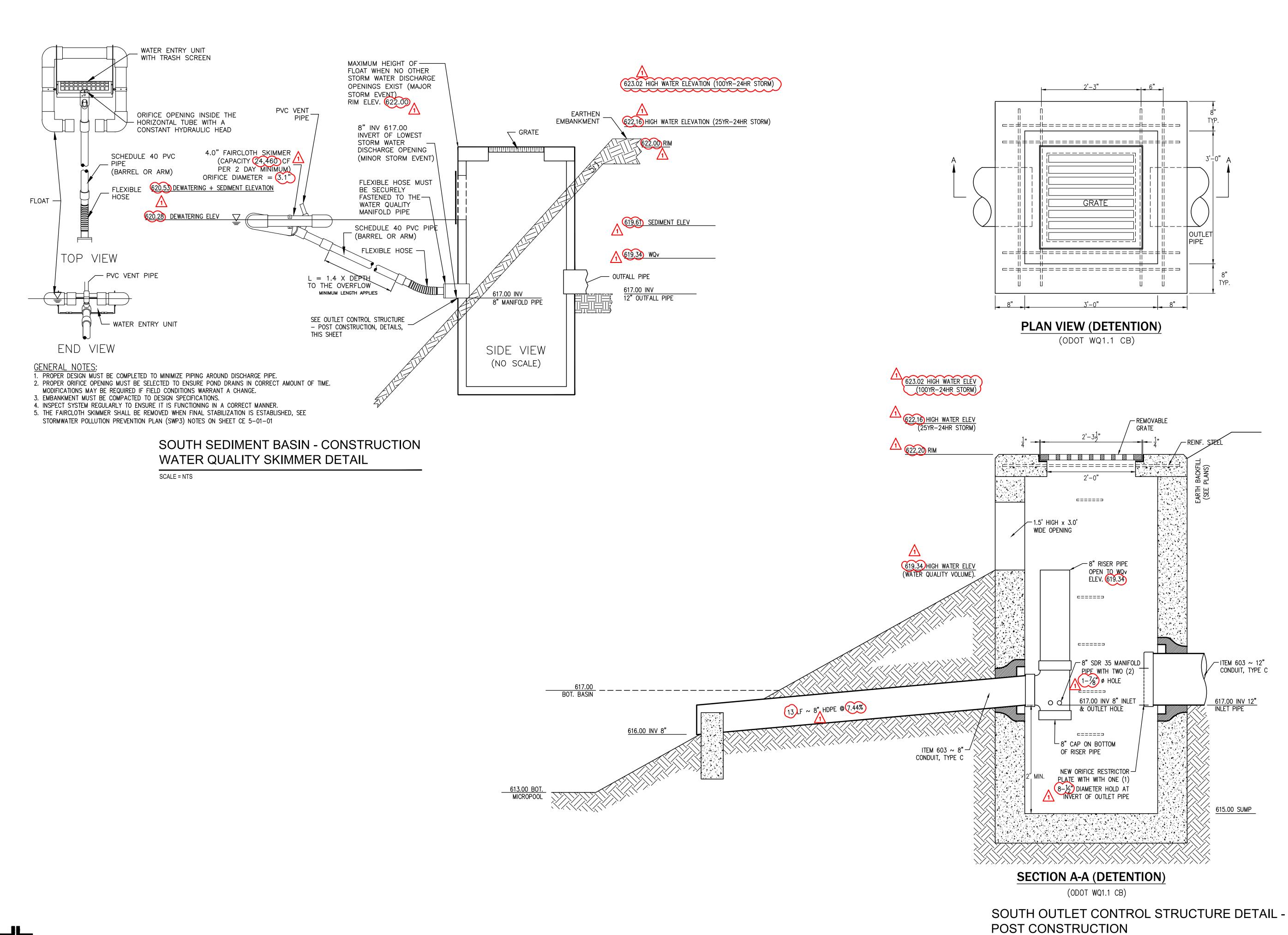
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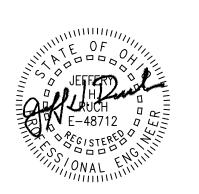




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SEDIMENT & SOIL **EROSION DETAILS**

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- 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.
- 2. CONTRACTOR TO PROVIDE A COMPLETE AND OPERABLE INSTALLATION FOR THE
- CONSTRUCTION SHALL BE IN CONFORMANCE WITH CITY OF FREMONT STANDARDS. 4. WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES
- 5. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND
- INSPECTIONS. 6. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS,
- DIMENSIONS, LOCATIONS AND MATERIALS. 7. CONTRACTOR SHALL REPAIR OR REPLACE, AT NO ADDITIONAL COST, ANY EXISTING
- IMPROVEMENTS DAMAGED DURING THE WORK. 8. EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING
- UTILITIES. 9. THE LOCATION OF ALL UNDERGROUND UTILITIES IS APPROXIMATE. THE EXACT
- LOCATION OF ANY UNDERGROUND UTILITY SHALL BE THE CONTRACTOR'S RESPONSIBILITY. 10. CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS AT 811
- OR 1-800-362-2764) AND THE CITY OF FREMONT AT LEAST 3 WORKING DAYS PRIOR TO COMMENCING WORK.
- 11. CONTRACTOR SHALL PROVIDE TEMPORARY SIGNS AND BARRIERS AT LIMITS OF CONSTRUCTION TO ASSURE PUBLIC SAFETY DURING CONSTRUCTION. 12. ALL STREETS MUST BE MAINTAINED DURING CONSTRUCTION. STREETS SHALL BE
- KEPT FREE OF MUD, DIRT AND CONSTRUCTION DEBRIS. 13. CONTRACTOR SHALL MAINTAIN A CLEAN PROJECT SITE AND REMOVE ALL WASTE MATERIALS AND RUBBISH FROM THE PROJECT.
- 14. CONTRACTOR SHALL STRIP AND STOCKPILE ALL TOPSOIL PRIOR TO GRADING. 15. SEED ALL AREAS NOT SHOWN AS PAVEMENT AS WELL AS AREAS DISTURBED BY
- CONSTRUCTION OPERATIONS. 16. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH ODOT ITEM 640. PARKING
- LOT PAINT STRIPES TO BE WHITE EXCEPT ADA ACCESSIBLE SPACES WILL BE BLUE. 17. THE CONTRACTOR IS TO IMPLEMENT BEST MANAGEMENT PRACTICES INCLUDING BUT NOT LIMITED TO: ALL CATCH BASINS NEAR DISTURBED AREAS SHALL HAVE SILT FENCE
- PLACED. ALL GRASS AREAS ARE TO BE SEEDED AND STRAW MULCHED WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED. ALL CATCH BASINS TO HAVE SUMPS. 18. SOIL EROSION AND SEDIMENTATION BMP MEASURES SHALL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES. ALL BMP

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
- 2. PIPE WITHIN FIVE (5) FEET OF THE EDGE OR BACK OF CURB OF EXISTING OR PROPOSED PAVEMENT AND UNDER THE EXISTING OR PROPOSED SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL TO THE SUBGRADE. GRANULAR MATERIAL SHALL MEET THE GRADING REQUIREMENTS OF ITEM 304, ODOT SPECIFICATIONS (MAXIMUM DRY DENSITY EXCEEDING 105 LB/CU. FT. AND 98% COMPACTION AS DETERMINED BY THE STANDARD PROCTOR TEST). THE ENGINEER RESERVES THE RIGHT TO ORDER COMPACTION TESTS IF DEEMED NECESSARY. 3. STORM SEWER PIPING:
 - A. TYPE B OR C CONDUIT MAY BE ONE OF THE FOLLOWING:

MEASURES WILL BE TO THE SATISFACTION OF CITY OF FREMONT.

a. CONCRETE PIPE MEETING ODOT 706.02 WITH 706.11 JOINTS b. PVC PIPE MEETING ODOT 707.45 (15" AND SMALLER) AND ASTM F679 (18") c. POLYETHYLENE PIPE WITH WATER TIGHT JOINTS MEETING ODOT 707.33 WITH IN-LINE BELL COUPLING AND O-RING RUBBER GASKETS MEETING ASTM D3212.

d. POLYPROPYLENE PIPE MEETING ASTM F2881 WITH WATERTIGHT JOINTS MEETING

- ASTM D3212 AND GASKETS MEETING ASTM F477. e. PVC. POLYETHYLENE AND POLYPROPYLENE PIPE MAY ONLY BE USED WHERE THE INSTALLATION MEETS THE MINIMUM COVER REQUIREMENTS AS SPECIFIED
- BY THE MANUFACTURER. CIRCULAR CATCH BASINS AND MANHOLES SHALL MEET ASTM C-478 WITH ASTM
- C-443 O RING JOINTS.
- 5. HOLD ALL STORM WATER COLLECTION INLETS, CB'S, ETC. 1/4" LOWER THAN THE
- PAVING. 6. THE CONTRACTOR IS TO IMPLEMENT BEST MANAGEMENT PRACTICES INCLUDING BUT NOT LIMITED TO: ALL CATCH BASINS NEAR DISTURBED AREAS SHALL HAVE SILT FENCE PLACED. ALL GRASS AREAS ARE TO BE SEEDED & STRAW MULCHED WITHIN SEVEN
- DAYS AFTER FINAL GRADE IS REACHED. ALL CATCH BASINS TO HAVE SUMPS. 7. SOIL EROSION AND SEDIMENTATION BMP MEASURES SHALL BE INSTALLED PRIOR TO START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES. ALL BMP MEASURES WILL BE TO THE SATISFACTION OF 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
- 2. PIPE WITHIN FIVE (5) FEET OF THE EDGE OR BACK OF CURB OF EXISTING OR PROPOSED PAVEMENT AND UNDER THE EXISTING OR PROPOSED SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL TO THE SUBGRADE. GRANULAR MATERIAL SHALL MEET THE GRADING REQUIREMENTS OF ITEM 304, ODOT SPECIFICATIONS (MAXIMUM DRY DENSITY EXCEEDING 105 LB/CU. FT. AND 98% COMPACTION AS DETERMINED BY THE STANDARD PROCTOR TEST). THE ENGINEER RESERVES THE RIGHT TO ORDER COMPACTION TESTS IF DEEMED NECESSARY.
- 3. SANITARY SEWER PIPING SHALL BE PVC CONDUIT MEETING ASTM D-3034, SDR-35, WITH CELL CLASSIFICATION 12454-B (15" AND SMALLER) AND ASTM F679 (18" AND
- 4. MANHOLES SHALL MEET ASTM C-478 WITH ASTM C-443 O RING JOINTS. 5. SEWER TESTING
- a. ALL RUNS OF THE SANITARY SEWER SHALL BE TESTED FOR INFILTRATION BY AN INDEPENDENT TESTING LABORATORY. THE MAXIMUM RATE OF LEAKAGE OR INFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH OF DIAMETER, PER MILE OF CONDUIT, PER 24 HOURS. A LOW PRESSURE AIR TEST MAY BE USED. ALL VISIBLE LEAKAGE IN SEWERS OR MANHOLES MUST BE REPAIRED EVEN THOUGH THE LEAKAGE IS AT A LOWER RATE THAN THE MAXIMUM ALLOWED.
- b. ALL NEW MANHOLES SHALL BE VACUUM TESTED PER ASTM C-1244. c. PVC PIPE SECTIONS BETWEEN MANHOLES SHALL BE TESTED FOR RING DEFLECTION, WHICH SHALL NOT EXCEED FIVE PERCENT (5%). TESTING SHALL BE DONE AT LEAST 30 DAYS AFTER PIPE IS INSTALLED.
- d. SHOULD ANY SECTION OF CONDUIT FAIL TO MEET THE TEST REQUIREMENTS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TELEVISION INSPECTION AND TO MAKE ALL NECESSARY CORRECTIONS. THE COST OF ALL MATERIALS EQUIPMENT, LABOR, AND INCIDENTALS NECESSARY FOR PERFORMING THE TESTS AND MAKING ANY NECESSARY CORRECTIONS AND REPLACEMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- 6. THE CONTRACTOR IS TO IMPLEMENT BEST MANAGEMENT PRACTICES INCLUDING BUT NOT LIMITED TO: ALL CATCH BASINS NEAR DISTURBED AREAS SHALL HAVE SILT FENCE PLACED. ALL GRASS AREAS ARE TO BE SEEDED & STRAW MULCHED WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED. ALL CATCH BASINS TO HAVE SUMPS.

7. SOIL EROSION AND SEDIMENTATION BMP MEASURES SHALL BE INSTALLED PRIOR TO

- START OF ANY CONSTRUCTION AND SHALL BE MAINTAINED AT ALL TIMES UNTIL CONSTRUCTION HAS BEEN COMPLETED, INCLUDING GRASS BEING WELL ESTABLISHED AND/OR PERMANENT EROSION AND SEDIMENTATION BMP MEASURES. ALL BMP MEASURES WILL BE TO THE SATISFACTION OF THE CITY OF FREMONT.
- 8. CONTRACTOR IS TO DESIGNATE A SITE DUMP/WASH AREA PRIOR TO STARTING CONSTRUCTION FOR SUCH PURPOSES AS WASHING OUT CONCRETE TRUCKS AND DUMPING NON-HAZARDOUS WASTE MATERIALS, SUBJECT TO THE SUPERVISION OF THE CITY OF FREMONT. DUMPING OR DISCHARGE OF ANY WASTE MATERIALS TO ANY SEWER IS PROHIBITED. HAZARDOUS WASTES ARE TO BE REMOVED OFF-SITE AND PROPERLY DISPOSED OF CONSISTENT WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

GRADING AND EARTHWORK

- 1.SOIL EROSION AND SEDIMENTATION CONTROL SHALL BE IN PLACE PRIOR TO STARTING ANY GRADING
- 2.ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION AND THE RECOMMENDATIONS SET FORTH IN THE SOILS EXPLORATION AND REPORT.
- 3.EARTHWORK AND CONSTRUCTION IS IN ACCORDANCE WITH GEOTECHNICAL SUBSURFACE INVESTIGATION
- 4.CONTRACTOR SHALL STRIP ALL TOPSOIL AND ORGANIC MATERIAL PRIOR TO GRADING. STOCKPILE SUITABLE MATERIAL TO BE REUSED. 5.EXPOSED AREAS THAT ARE TO SUPPORT PAVEMENTS AND SLABS SHALL BE COMPACTED AND
- PROOF-ROLLED. ANY UNSUITABLE AREAS SHALL BE BROUGHT TO THE ATTENTION OF THE SIDE INLET -GEOTECHNICAL ENGINEER. 6.FILL TO BE USED UNDER PAVEMENTS AND SLABS SHALL BE GRANULAR MATERIAL UNLESS OTHER
- SOIL MATERIAL IS APPROVED IN ADVANCE BY THE GEOTECHNICAL ENGINEER. 7.STRUCTURAL FILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 8 INCHES AND COMPACTED TO A MINIMUM OF 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF THE SOIL (ASTM
- 8.AGGREGATE BASE FOR PAVEMENTS SHALL BE AND COMPACTED TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF THE SOIL (ASTM D1557).
- 9.EXCAVATIONS WITHIN FIVE (5) FEET OF THE EDGE OR BACK OF CURB OF EXISTING OR PROPOSED PAVEMENT SHALL BE BACKFILLED WITH APPROVED GRANULAR MATERIAL TO THE SUBGRADE. GRANULAR MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF THE SOIL (ASTM D1557).
- 10. PLACE A MINIMUM OF 6 INCHES OF TOPSOIL FOR AREAS TO BE SEEDED AND LANDSCAPED 11. ALL UNUSED AND UNSUITABLE SOIL MATERIAL SHALL BE HAULED OFF SITE UNLESS OTHERWISE DIRECTED BY THE OWNER.
- 12. SEED ALL AREAS NOT SHOWN AS PAVEMENT AS WELL AS AREAS DISTURBED BY CONSTRUCTION OPERATIONS.

<u>WATER LINE NOTES</u>

- . IN GENERAL, ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT AMERICAN WATER WORKS ASSOCIATION STANDARDS AND SPECIFICATIONS, AND/OR THE CURRENT OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, AND/OR THE OHIO ENVIRONMENTAL PROTECTION AGENCY STANDARDS AND
- 2. ALL MATERIALS AND CONSTRUCTION SHALL 8E IN ACCORDANCE WITH CURRENT CITY OF FREMONT REQUIREMENTS.
- 3. A MINIMUM OF 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY FROM ANY SANITARY SEWER MUST BE MAINTAINED. NO ENTRY OR CONTACT WITH A SANITARY
- MINIMUM DEPTH OF COVER IS 5 FEET. . 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
- 6. PIPE FOR HYDRANT LEADS SHALL BE CLASS 52 MINIMUM DUCTILE IRON IN
- ACCORDANCE WITH AWWA C150. PIPE SHALL BE PLAIN END MECHANICAL JOINT INCORPORATING AN INTEGRAL FOLLOWER GLAND. 7. PIPE FITTINGS SHALL BE DUCTILE IRON CONFORMING TO AWWA C110 OR AWWA C153 SHALL BE COATED WITH A BITUMINOUS MATERIAL ON THE OUTSIDE AND CEMENT MORTAR LINED IN ACCORDANCE WITH C104. FITTINGS SHALL BE FABRICATED WITH
- 8. GATE VALVES SHALL BE COMPRESSION RESILIENT SEATED VALVES CONFORMING TO

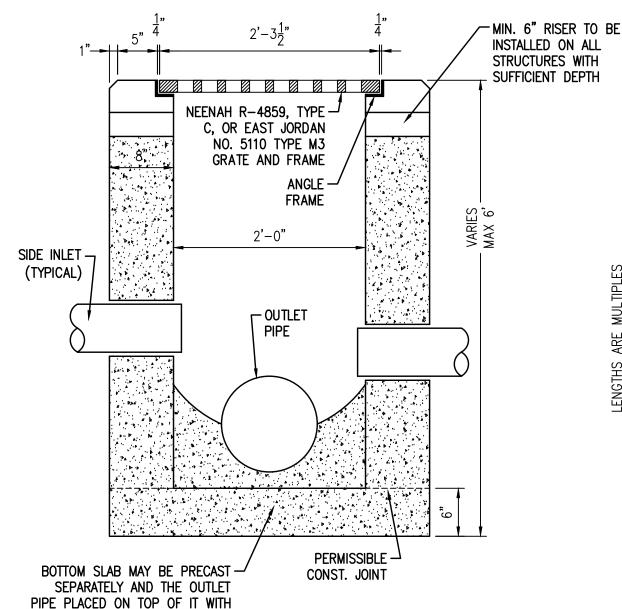
JOINTS AND GASKETS AS REQUIRED TO PROPERLY CONNECT TO THE SPECIFIED PVC

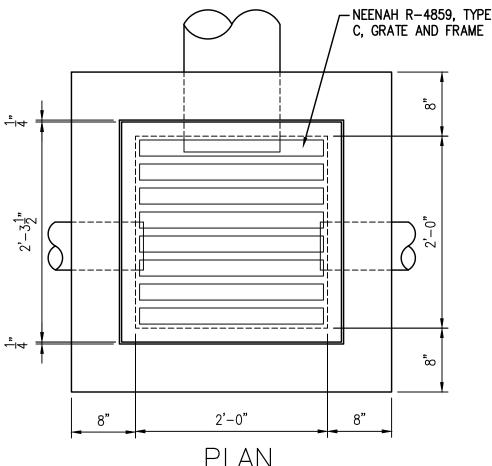
- THE LATEST STANDARD SPECIFICATIONS OF AWWA C509. 9. VALVE BOXES SHALL BE THREE (3) PIECE ADJUSTABLE SCREW TYPE, WITH A 5-1/4 INCH SHAFT, WITH CAST IRON FULL FLANGE RING AND LID.
- 10. FIRE HYDRANTS SHALL BE AMERICAN DARLING B-84-B OR MUELLER SUPER CENTURION 250 AS REQUIRED BY THE CITY. HYDRANTS TO HAVE NATIONAL STANDARD THREADS, OPEN LEFT, 2-2 1/2" PUMPER NOZZLES AND SELF DRAINING.
- 11. AN 18" ANCHOR COUPLING IS REQUIRED BETWEEN THE WATCH VALVE AND FIRE
- 12. STAINLESS BOLTS TO BE USED ON ALL MECHANICAL JOINTS.
- 13. FITTINGS AND VALVES TO BE WRAPPED WITH POLY-WRAP, 8-MIL BLACK WITH 2"-10 MIL BLACK PRINTED TAPE OR EQUAL.
- 14. PIPE BEDDING TO BE NO. 8 STONE. 15. TAPPING SLEEVES TO BE STAINLESS STEEL.
- 16. NO. 12 SINGLE STRAND COPPER TO BE PLACED BELOW WATER LINE.
- 17. WIRE TO BE BROUGHT TO GRADE ON THE OUTSIDE OF EACH VALVE BOX; DRILL 3/8" HOLE THROUGH THE VALVE BOX APPROXIMATELY 6" BELOW GRADE, FEED 12" OF WIRE
- 18. EVERY 600' A BLUE STAKE TO BRING THE NO. 12 WIRE TO GRADE THROUGH A 3/8" PVC UV RESISTANT PIPE AND MADE ACCESSIBLE THROUGH A UV RESISTANT BOX; THIS CAN BE DISCOUNTED IF THERE ARE VALVE BOXES TO BRING THE NO. 12 WIRE
- TO GRADE. 19. WATER MAINS SHALL BE INSTALLED, FLUSHED, TESTED, AND DISINFECTED UNDER THE DIRECT SUPERVISION OF THE CITY.
 - a. PRESSURE TEST, LEAKAGE TEST, DISINFECTION AND BAC-T SHALL BE PER AWWA STANDARDS.
 - b. INSTALLATION AND PRESSURE TESTING SHALL BE AS PER AWWA C-600. c. DISINFECTION SHALL MEET OR EXCEED AWWA C-651.

 - d. THE CITY REQUIRES A 48 HOUR NOTICE PRIOR TO FILLING OR FLUSHING THE MAIN. e. A REPRESENTATIVE OF THE FREMONT WATER DEPARTMENT WILL COLLECT THE BAC-T SAMPLES.

<u>DEMOLITION</u>

- 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. WHETHER OR NOT IT IS SPECIFICALLY CALLED OUT ON THE DEMOLITION PLAN. 2.CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS PRIOR TO STARTING DEMOLITION.
- 3.ALL DEMOLITION MATERIAL TO BE DISPOSED OF LEGALLY OFF SITE, UNLESS SPECIFICALLY NOTED OTHERWISE. 4.CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS AT LIMITS OF CONSTRUCTION TO ASSURE
- PUBLIC SAFETY DURING CONSTRUCTION. 5.CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEAN UP AND REMOVAL OF ALL DEMOLITION
- DEBRIS. 6.PROTECT TREES AND OTHER PLANT MATERIAL TO REMAIN DURING CONSTRUCTION.
- 7.NEATLY SAW CUT LENGTH OF SLABS, PAVING, CURBS, ETC. BEFORE REMOVING EXISTING. 8.DEMOLISH NOTED BUILDINGS COMPLETELY AND REMOVE FROM SITE. a.CONTRACTOR TO LOCATE AND SHUTOFF ALL EXISTING UTILITIES TO THE BUILDINGS PRIOR
- TO STARTING DEMOLITION AND EXCAVATION. b.DEMOLISH BELOW-GRADE FOUNDATION WALLS TO AT LEAST 3'-0" BELOW GRADE UNLESS OTHERWISE NOTED.
- c.COMPLETELY FILL BELOW GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION WORK WITH ODOT ITEM 304. d.FILL SHALL BE COMPACTED IN 6 INCH MAXIMUM LIFTS TO A MINIMUM OF 95 PERCENT
- ACCORDING TO ASTM D1557, MODIFIED PROCTOR. ALL FILL SHALL BE LABORATORY 9.LEACH FIELDS, SEPTIC TANKS AND WELLS MAY EXIST, BUT HAVE NOT BEEN LOCATED. ABANDONMENT / REMOVAL OF THESE ITEMS SHALL BE IN ACCORDANCE WITH APPROVED
- PROCEDURES. 10. CONTRACTOR TO REMOVE OR GROUT SOLID EXISTING SEWER, WATER OR GAS LINES WITHIN 10' OF THE BUILDING LINES OR WITHIN WORK AREAS. PROVIDE MASONRY PLUG IN ENDS OF REMAINING PIPES. CONTRACTOR TO VERIFY EXISTING GAS LINES HAVE BEEN ABANDONED AND FOLLOW PROPER PROCEDURES WHEN REMOVING.
- 11. CONTRACTOR TO REMOVE NOTED CATCH BASINS AND MANHOLES WITHIN 10' OF THE BUILDING LINES. PROVIDE MASONRY PLUG IN ENDS OF REMAINING PIPES. 12. CONTRACTOR TO VERIFY EXISTING GAS LINES HAVE BEEN ABANDONED AND FOLLOW PROPER
- PROCEDURES WHEN REMOVING. 13. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR STATUS OF ALL POWER, WATER, SANITARY, GAS AND TELEPHONE LINES AND EQUIPMENT.





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

THE BOTTOM SHAPED TO DRAIN

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 X" RADII. ALL GRATES SHALL BE MARKED "NO WASTE - DRAINS TO RIVER" OR SIMILAR.

WALLS: CONSTRUCT BRICK OR CAST-IN-PLACE WALLS WITH A NOMINAL 8" THICKNESS. PROVIDED PRECAST WALLS AT LEAST 6" THICK WITH SUFFICIENT REINFORCING TO PERMIT SHIPPING AND HANDLING WITHOUT

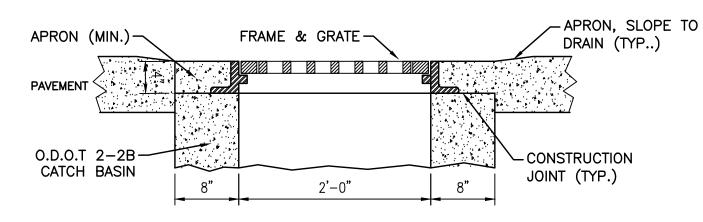
CONCRETE: USE 4000 PSI COMPRESSIVE STRENGTH FOR CAST-IN-PLACE CONCRETE. MEET REQUIREMENTS OF CMS 706.13 FOR ALL PRECAST CONCRETE AND MARK WITH THE CATCH BASIN NUMBER.

PRECAST BASE; IF PRECAST BASE IS USED, SET IT DEEP ENOUGH SO THAT THE TOP CAN BE PLACED ON THE BASE TO PROVIDE THE GRATE ELEVATION SPECIFIED IN THE PLANS. DO NOT USE BRICK LAYERS TO LOCATION & ELEVATION: WHEN GIVEN ON THE PLANS, LOCATION IS THE TOP CENTER OF THE GRATE AND THE

ELEVATION IS THE FLOW LINE OF THE SIDE INLET. MINIMUM DEPTH: THE MINIMUM DEPTH OF THE 2-2B CB IS THE OUTSIDE DIAMETER OF THE OUTLET PIPE

OPENINGS: OBTAIN THE ENGINEER'S APPROVAL FOR ANY PIPE OPENINGS GREATER THAN 4" FROM THE OUTSIDE OF THE PIPE TO THE STRUCTURE. FILL ANY VOIDS PER CMS 611.

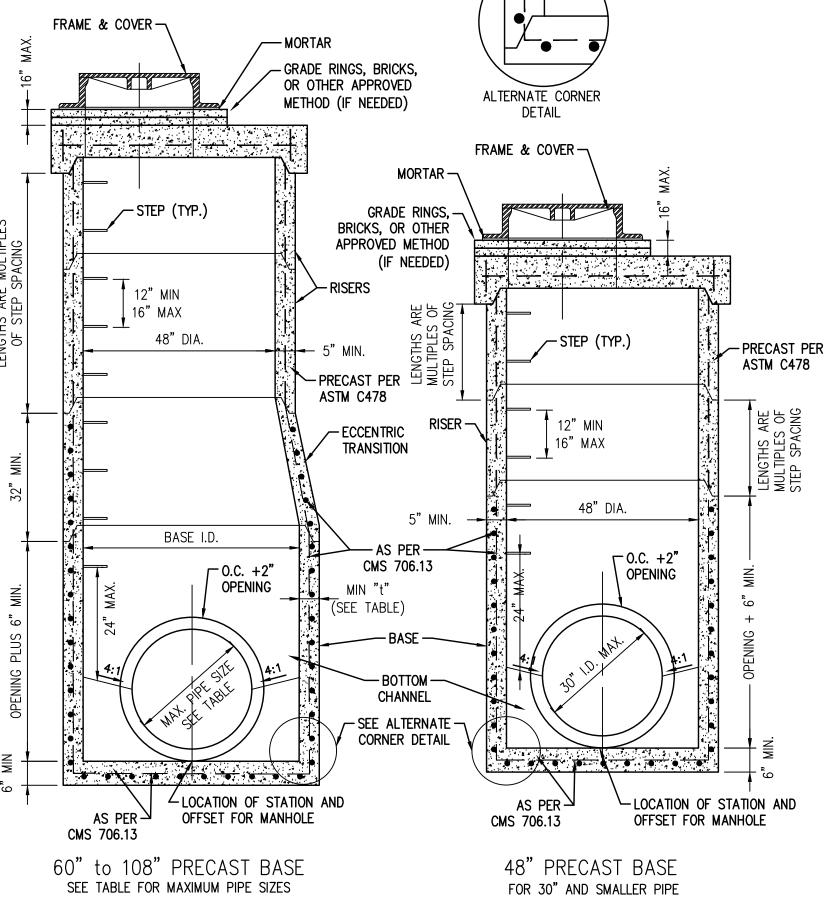
TYPICAL CATCH BASIN 2-2B DETAILS



CB-2-2C FRAME & GRADE: WHERE THE CATCH BASIN IS SPECIFIED FOR USE IN A PARKING LOT, FURNISH NEENAH NO. R-1878-A5G OR EJ NO. V-5622 (45622010) FRAME AND V-5622 (45622030 GRATE OR APPROVED EQUALS. IF NECESSARY, BICYCLE SAFE GRATES WILL BE SPECIFIED IN THE PLANS. FURNISH NEENAH NO. R-3405 GRADE OR EJ NO. 5250M (00525031) GRADE OR APPROVED EQUALS.

ON CAST-IN-PLACE AND PRECAST UNITS, PROVIDE A LEVEL SURFACE ON THE CATCH BASIN 4" BELOW THE PLAN GRATE ELEVATION FOR SETTING THE FRAME AND GRATE ASSEMBLY. PROVIDE A CONCRETE APRON TO ENCASE AND SECURE THE FRAME OF A WIDTH NOT LESS THAN THE THICKNESS OF THE CATCH BASIN WALLS THAT THE FRAME WAS PLACED ON OR AS SHOWN IN THE PLANS. SLOPE APRON TO PROVIDE LOCAL

> **CATCH BASIN 2-2C DETAIL** SCALE = NTS



DIA. + 2t MIN.

60" TO 96" DIA.

ALTERNATE ECCENTRIC CONE TOP

48" DIA.

58" DIA MIN.

48" DIA.

FLAT SLAB TOP

8" 24" DIA. 8'

FLAT SLAB TRANSITION DIA. + 2t MIN. 8" 24" DIA. 60" TO 96" DIA.

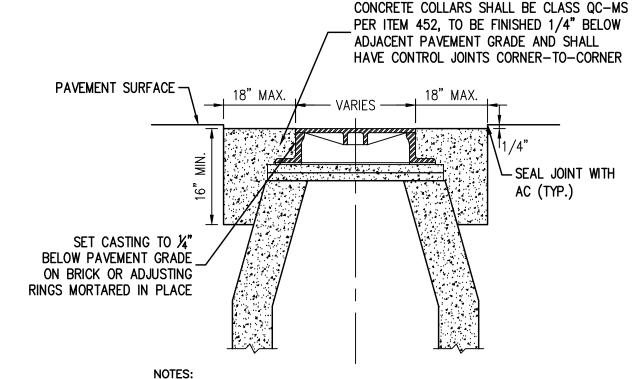
FLAT SLAB TOP

8" 24" DIA.

- . ALL MANHOLES ARE TO BE PRECAST PER ASTM C478 UNLESS OTHERWISE APPROVED BY THE ENGINEER. 2. JOINTS BETWEEN SECTIONS SHALL CONFORM TO ASTM C443 (RUBBER GASKETS) AND SHALL ALSO CONTAIN
- A 3/4" MASTIC BEAD PER ASTM C990. CASTINGS SHALL BE AS SPECIFIED ON STANDARD DRAWING FOR HEAVY MANHOLE FRAME AND COVER CONCRETE COLLARS ARE REQUIRED ON ALL MANHOLES IN THE PAVEMENT.
- 5. ALL MATERIALS FOR BASES AND OTHER PRECAST SECTIONS, INCLUDING REINFORCEMENT NOT SPECIFIED HEREIN, SHALL COMPLY WITH THE REQUIREMENTS OF ODOT CMS 706.13. 6. STEPS SHALL MEET THE REQUIREMENTS OF ODOT CMS 611.02.

6"MIN

MANHOLE NO.3 DETAILS SCALE = NTS



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). 2. CONCRETE COLLARS SHALL BE RÉQUIRED FOR ALL MANHOLES OR CATCH BASINS LOCATED IN PAVEMENT AREA.

PAVEMENT MH/CB COLLAR DETAIL SCALE = NTS



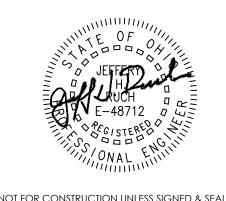
8 North St. Clair - Toledo, Ohio 43604-1028 **T** 419.243.2400 www.**thomas**porter**architects**.com

CONSULTANTS: Suite 2050 /**S**_ **S**= **S**_/ Toledo, OH 43604 Civil & Environmental | Ph: 419.724.5281 Consultants, Inc. | www.cecinc.com





SEAL:



NOT FOR CONSTRUCTION UNLESS SIGNED & SEALED

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ISSUE OR REVISION: 11.25.2024 BID ADDENDUM 2 10.24.2024 BID DRAWINGS ISSUE / REVISION DESIGNED:

DRAWN: CHECKED:

TPA COMMISSION NUMBER DRAWING TITLE: NOTES AND DETAILS

BID DRAWINGS

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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

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.

ALL INTERIOR DOORS FRAMES SHALL BE PAINTED TO MATCH THE WALL IN

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

ADMINSTRATION .

STORM SHELTER

/GARAGE/

KEY PLAN

EWC - ELECTRIC WATER COOLER

ADO - AUTOMATIC POWER DOOR OPERATOR PUSH BUTTON. SEE ELEC DWG'S

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. (18)- 2'WX4'6LX6'0"H POST AND BEAM METAL SHELVING, SEE SPEC SECTION



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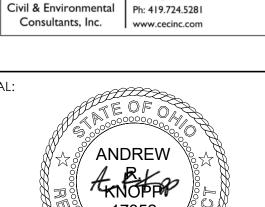
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DRAWING TITLE: **OVERALL FIRST** FLOOR PLAN

DRAWING NUMBER: A2.0

GENERAL NOTES: o <u>o</u> 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 ლ | AFFECTED WORK. NOTIFY ARCHITECT'S REPRESENTATIVE IF DISCREPANCIES ARISE BEFORE PROCEEDING WITH THE WORK. 0 0 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. $_{\mathsf{O}}ot$; 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. 10. ALL INTERIOR DOORS FRAMES SHALL BE PAINTED TO MATCH THE WALL IN WHICH THEY OCCUR, UNO. 4 <u></u> <u>-</u> \circ^{\perp} : \sim \bullet 5 $\sim +$ $\sim + \sim$ 3/8"

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

SECOND FLOOR MEZZANINE PLAN

1/8" = 1'-0"

 \cdots

SYMBOL LEGEND 101 DOOR TAG **WALL TAG** WINDOW TAG INTERIOR ELEVATION, SEE A8.0 ROOM NAME **ROOM TAG** 101 EXTERIOR ELEVATION, SEE A5.0 SERIES BUILDING SECTIONS, SEE A6.0 SERIES

TAG#

<W1>-----

<W2>----

PLAN VIEW

DESCRIPTION

GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS, 1'-0" <P6>— 1/2" EXTERIOR SHEATHING, OVER 6" COLD FORMED STUDS. AIR GAP, (1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" REFER TO STRUCTURAL DWGS FOR REINFORCEMENT COLD FORM STUDS TO UNDERSIDE OF TRUSS REQUIREMENTS EXTERIOR STUD WALL - 5/16" FIBER CEMENT BOARD (1) 1/4" LAYER OF SOLID SURFACE, (1) LAYER OF 5/8" PANEL, 2" RAINSCREEN RAIL SYSTEM, 2" RIGID INSULATION <W3≻---GYPSUM BOARD OVER 3-5/8" COLD FORM STUDS, 4-3/4" MIN R-11.4 W/ 16 GA Z FURRING @ 24" O.C., 1/2" AIR GAP, (1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" EXTERIOR SHEATHING, 6" COLD FORM STUDS. REFER TO COLD FORM STUDS TO UNDERSIDE OF TRUSS STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS (1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD <W4>----EXTERIOR CMU WALL - 4" BRICK VENEER, 2" AIR SPACE, 2" FORM STUDS (1) 1/4" LAYER OF SOLID SURFACE OVER (1) RIGID INSULATION MIN R-11.4, OVER 8" CMU LAYER OF 5/8" GYPSUM BOARD TO UNDERSIDE OF TRUSS (1) LAYER OF 5/8" GYPSUM BOARD OVER 6" COLD FORM EXTERIOR CMU WALL- 4" BRICK VENEER, 2" AIR SPACE <W5>----<P9>----STUDS (1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OVER 8" CMU BLOCK WALL OF 5/8" GYPSUM BOARD TO UNDERSIDE OF TRUSS INTERIOR ICF WALL - (1) LAYER OF 5/8" GYPSUM BOARD OVER 2-5/8" RIGID INSULATION ON BOTH SIDES OF 8" EXTERIOR CMU WALL - 5/16" FIBER CEMENT BOARD <W6>----REINFORCED CONCRETE CORE AND (1) 1/4" LAYER OF PAMEL, 2" RAINS CREEN RAIL SYSTEM, 2" RIGID INSULATION <P10-----SOLID SURFACE OVER (1) LAYER OF 5/8" GYPSUM ON MIN R-11.4 W/ 16 GA Z FURRING @ 24" O.C., OVER, 8" ONE SIDE TO UNDERSIDE OF TRUSS INTERIOR ICF WALL - (1) LAYER OF 5/8" GPYSUM BOARD (1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OF 5/8" ON BOTH SIDES OF 2-5/8" RIGID INSULATION, 8" ⟨P11⟩----GYPSUM BOARD BOTH SIDES OVER 3 5/8" COLD FORM REINFORCED CONCRETE CORE TO UNDERSIDE OF STUDS TO UNDERSIDE OF TRUSS STRUCTURAL CONCRETE CAP INTERIOR ICF WALL - (1) LAYER OF 5/8" GPYSUM BOARD ON ONE SIDE OF 2-5/8" RIGID INSULATION ON BOTH SIDES (1) 1/4" LAYER OF SOLID SURFACE OVER (1) LAYER OF 5/8" <P2>— OF 8" REINFORCED CONCRETE CORE, 6" COLD FORM GYPSUM BOTH SIDES OVER 6" COLD FORM STUDS TO STUDS WITH (1) LAYER 5/8" GPYSUM BOARD ONE SIDE TO UNDERSIDE OF TRUSS UNDERSIDE OF STRUCTURAL CONCRETE CAP OR TRUSS. (1) LAYER 5/8" TYPE 'X' GYPSUM BOARD OVER EACH SIDE ⟨P13⊱── 3 5/8" COLD FORM STUDS WITH SOUND ATTENUATING <P3>----(1) LAYER OF 5/8" GYPSUM BOARD OVER 3-5/8" COLD 1/2 HOUR RATED WALL SPRAY-IN INSULATION TO UNDERSIDE OF ROOF DECK FORM STUDS EACH SIDE TO UNDERSIDE OF TRUSS UL #U419 8" CMU BLOCK WALL (1) LAYER OF 5/8" GYPSUM BOARD OVER 6" COLD FORM <P4>—— STUDS EACH SIDE TO UNDERSIDE OF TRUSS

EXTERIOR ICF WALL - 5/16" FIBER CEMENT BOARD PANEL,

ON BOTH SIDES OF 8" REINFORCED CONCRETE CORE ICF,

STRUCTURAL DWGS FOR REINFORCEMENT REQUIREMENTS

EXTERIOR STUD WALL - 4MM COMPOSITE METAL PANEL, 2"

INSULATION MIN R-11.4 W/ 16 GA Z FURRING @ 24" O.C.,

2" RAINSCREEN RAIL SYSTEM, 2-5/8" RIGID INSULATION

(1) ONE LAYER 5/8" GYPSUM BOARD. REFER TO

ALUM EXTRUDED RAIN SCREEN SYSTEM, 2" RIGID

WALL TYPE LEGEND

INSTALL SLEEVES WITHIN MEZZANINE CONCRETE FLOOR, REFER TO SPEC SECTION 05 5213 FOR GUARDRAIL FABRICATION (18)- 2'WX4'6LX6'0"H POST AND BEAM METAL SHELVING, SEE SPEC SECTION 10 5613

mummummym.

DESCRIPTION

(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

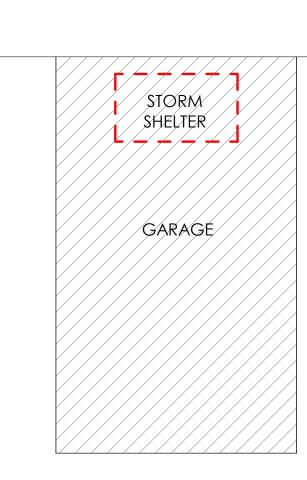
(1) 1/4" LAYER OF SOLID SURFACE, (1) LAYER OF 5/8"

BOARD ON ONE SIDE TO UNDERSIDE OF TRUSS

PLAN VIEW

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ADMINSTRATION



KEY PLAN

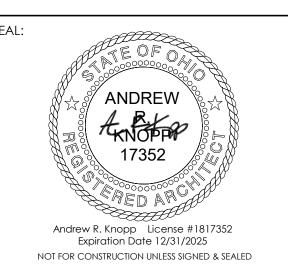




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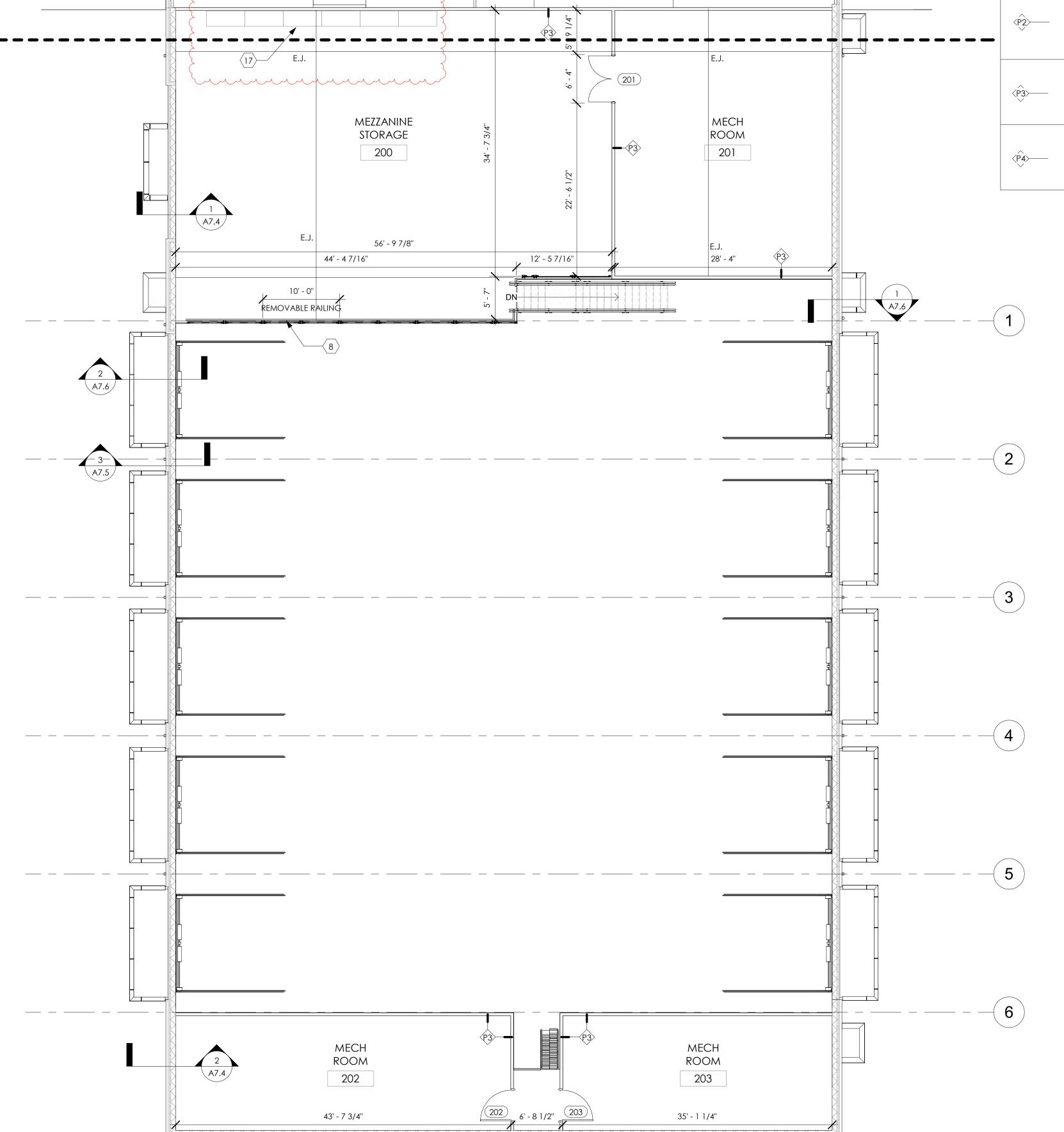


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TPA COMMISSION NUMBER: 22009 DRAWING TITLE:

SECOND FLOOR MEZZANINE PLAN

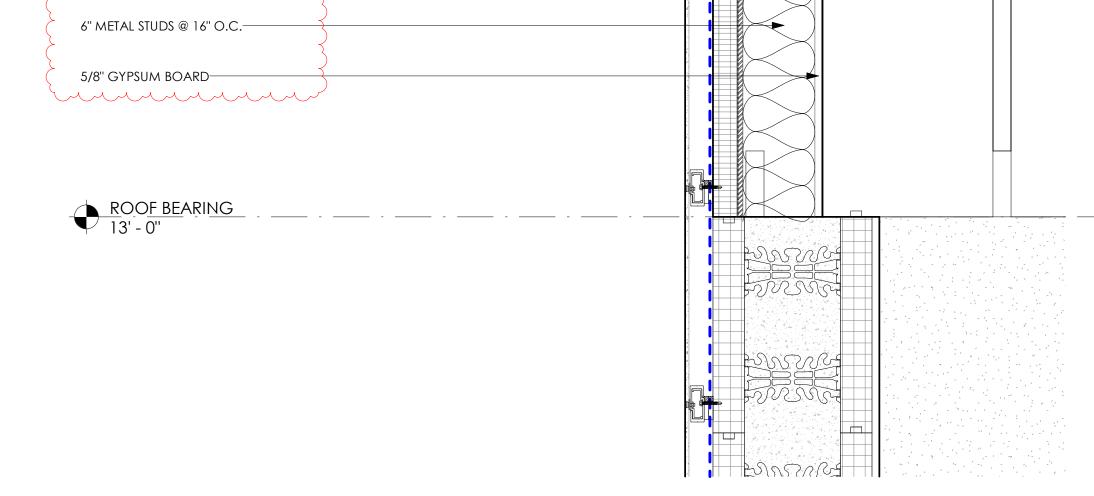
DRAWING NUMBER: A2.3

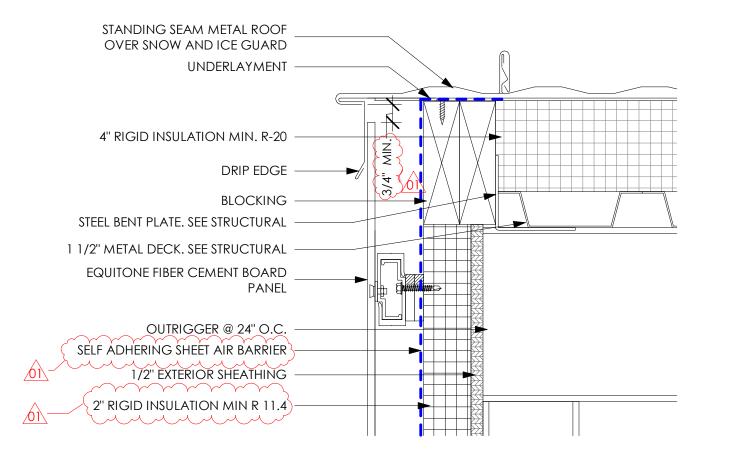


φ + γ 3/8<u>+</u> 1 ROOF DETAIL

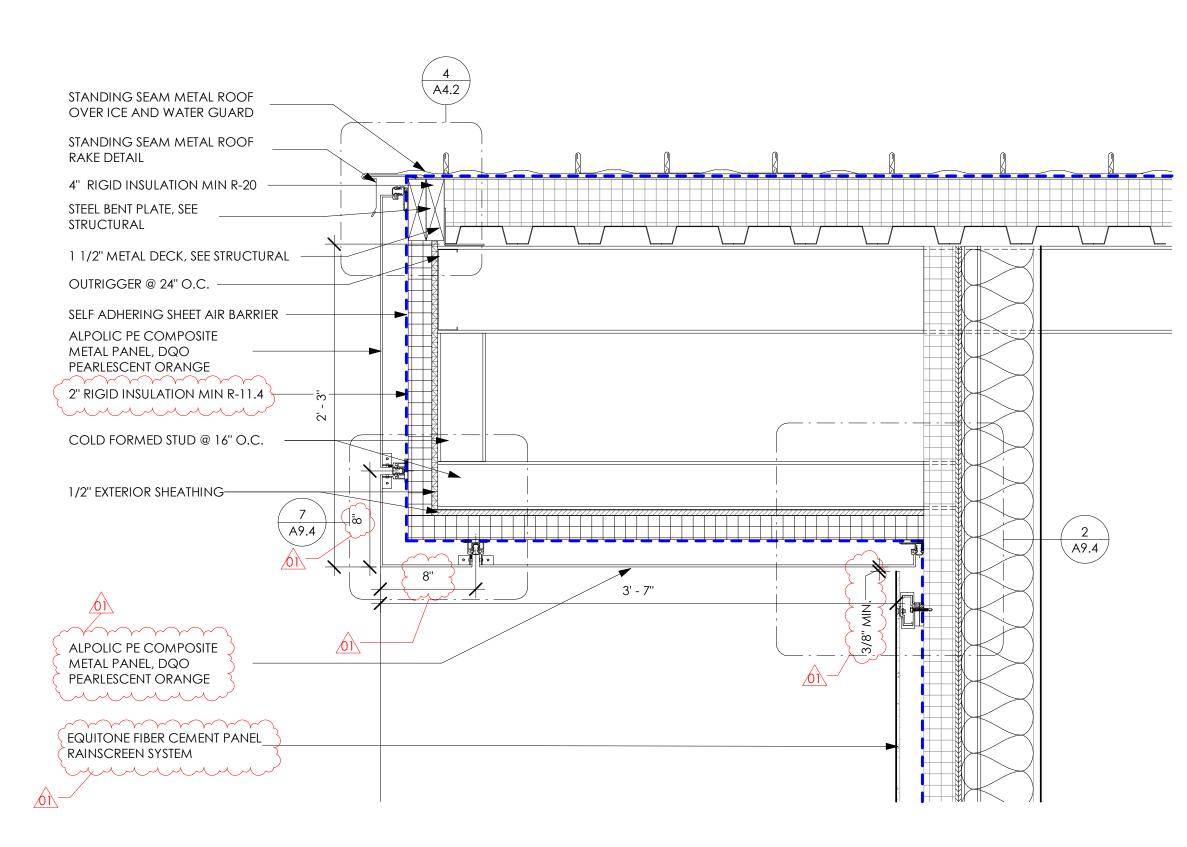
A4.3 1 1/2" = 1'-0"

4" RIGID INSULATION MIN R-20 1-1/2" METAL DECK, SEE STRUCTURAL SELF ADHERING SHEET AIR BARRIER -OUTRIGGER @ 24" O.C. EQUITONE FIBER CEMENT PANEL RAINSCREEN SYSTEM $_{ ilde{ iny}}$ 2" Rigid insulation min R-11.4 $\stackrel{ ilde{ iny}}{ ilde{ iny}}$ COLD FORMED STUDS @ 16" O.C. -1/2" EXTERIOR SHEATHING— CORNER CLOSURE, PAINTED BLACK (3/8" MIN.-4 A4.3 OUTRIGGER @ 24" O.C. — EQUITONE FIBER CEMENT PANEL RAINSCREEN SYSTEM COLD FORMED STUDS @ 16" O.C. — 1/2" EXTERIOR SHEATHING — 2" RIGID INSULATION MIN R-11.4 -CORNER CLOSURE, PAINTED BLACK EQUITONE FIBER CEMENT PANEL RAINSCREEN SYSTEM -PRE-ENGINEERED ROOF TRUSS, SEE STRUCTURAL 16 GA Z FURRING @ 24" O.C. UNFACED FIBERGLASS BATT INSULATION MIN. R-21 6" METAL STUDS @ 16" O.C.— 5/8" GYPSUM BOARD-ROOF BEARING 13' - 0"

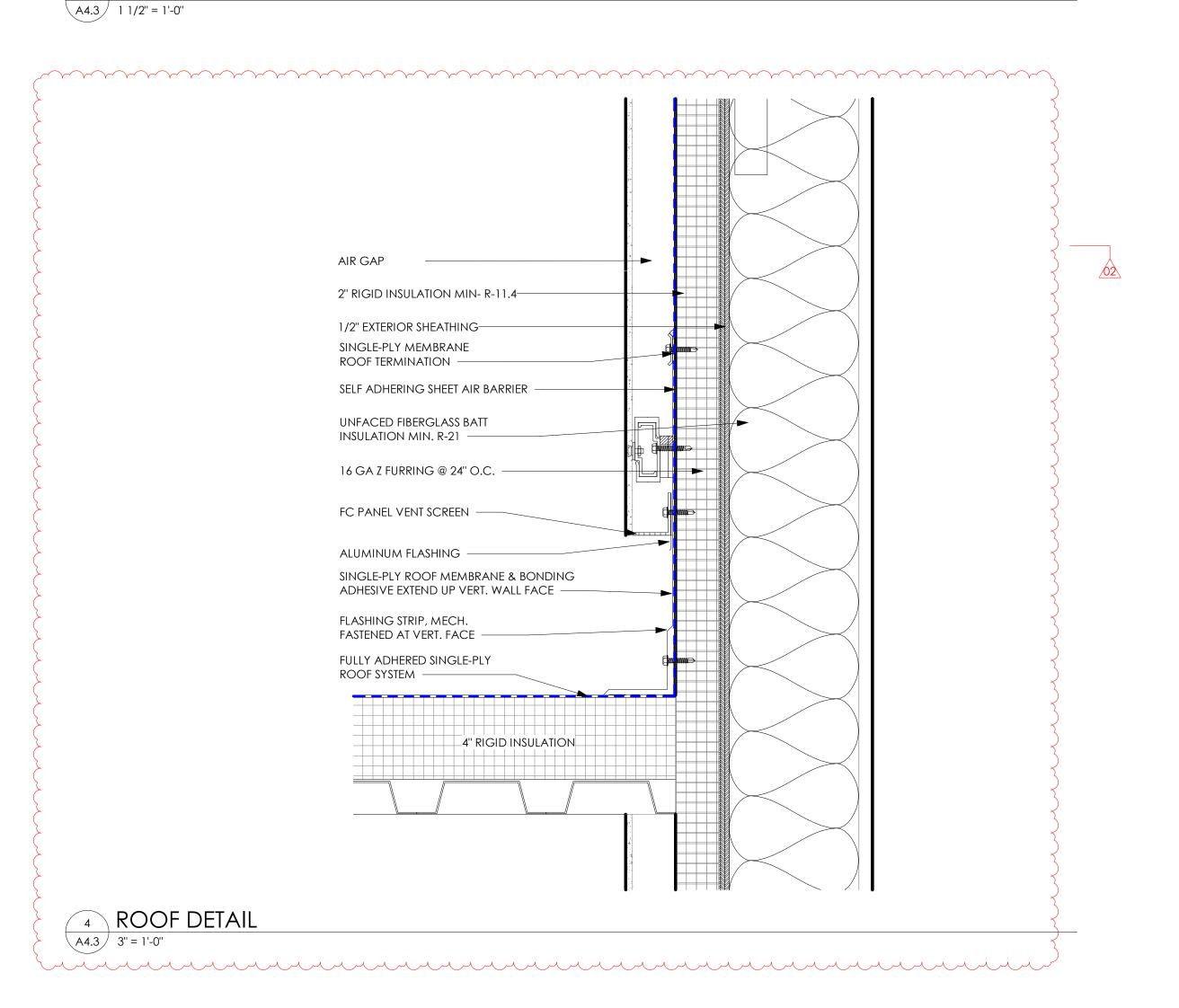




FIBER CEMENT BOARD RAKE DETAIL 3" = 1'-0"



3 ROOF DETAIL





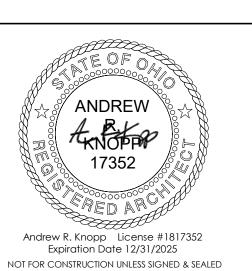
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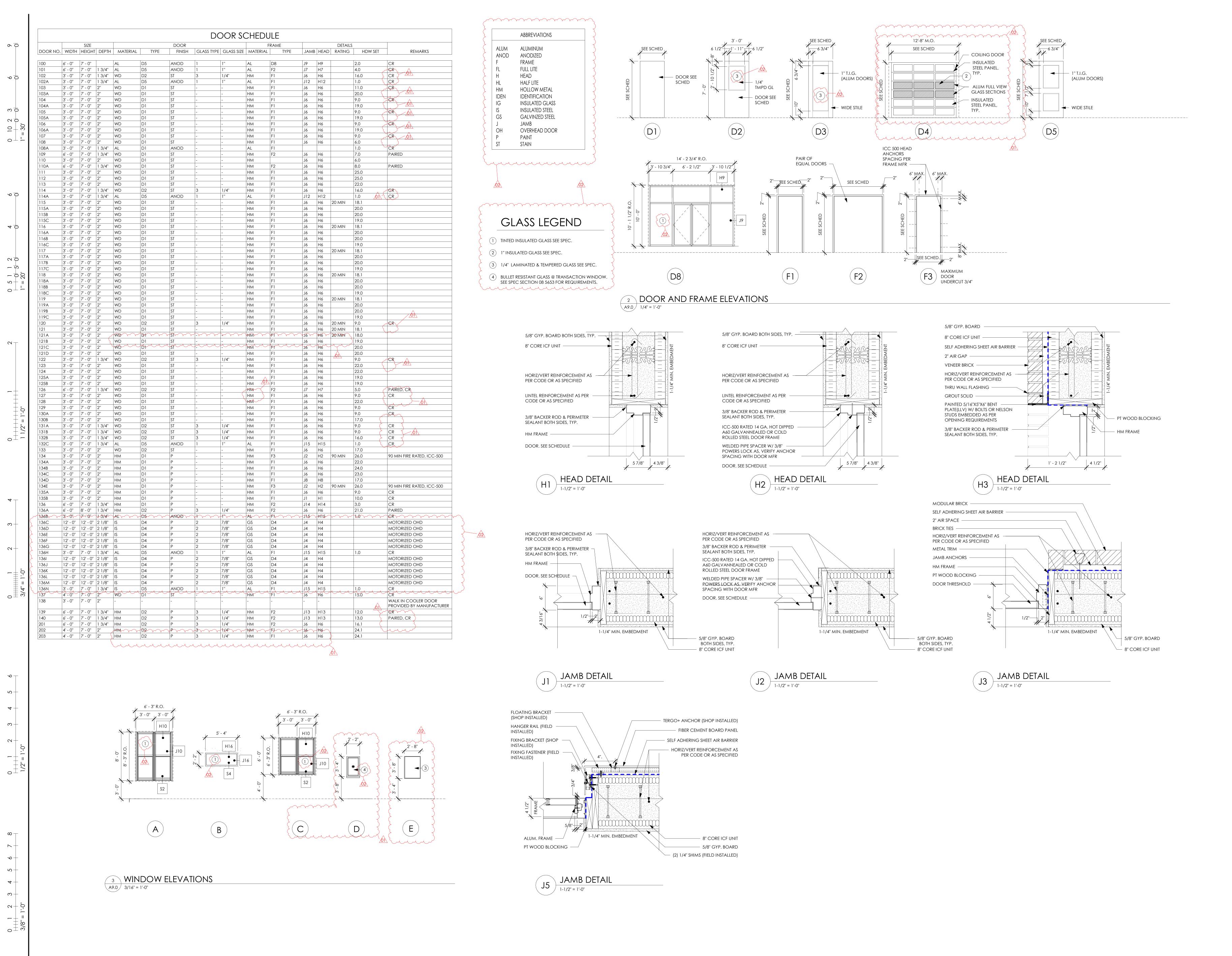


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tpa commission number: 22009DRAWING TITLE:

ROOF DETAILS

DRAWING NUMBER: A4.3





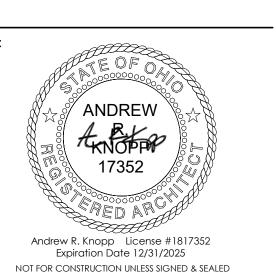
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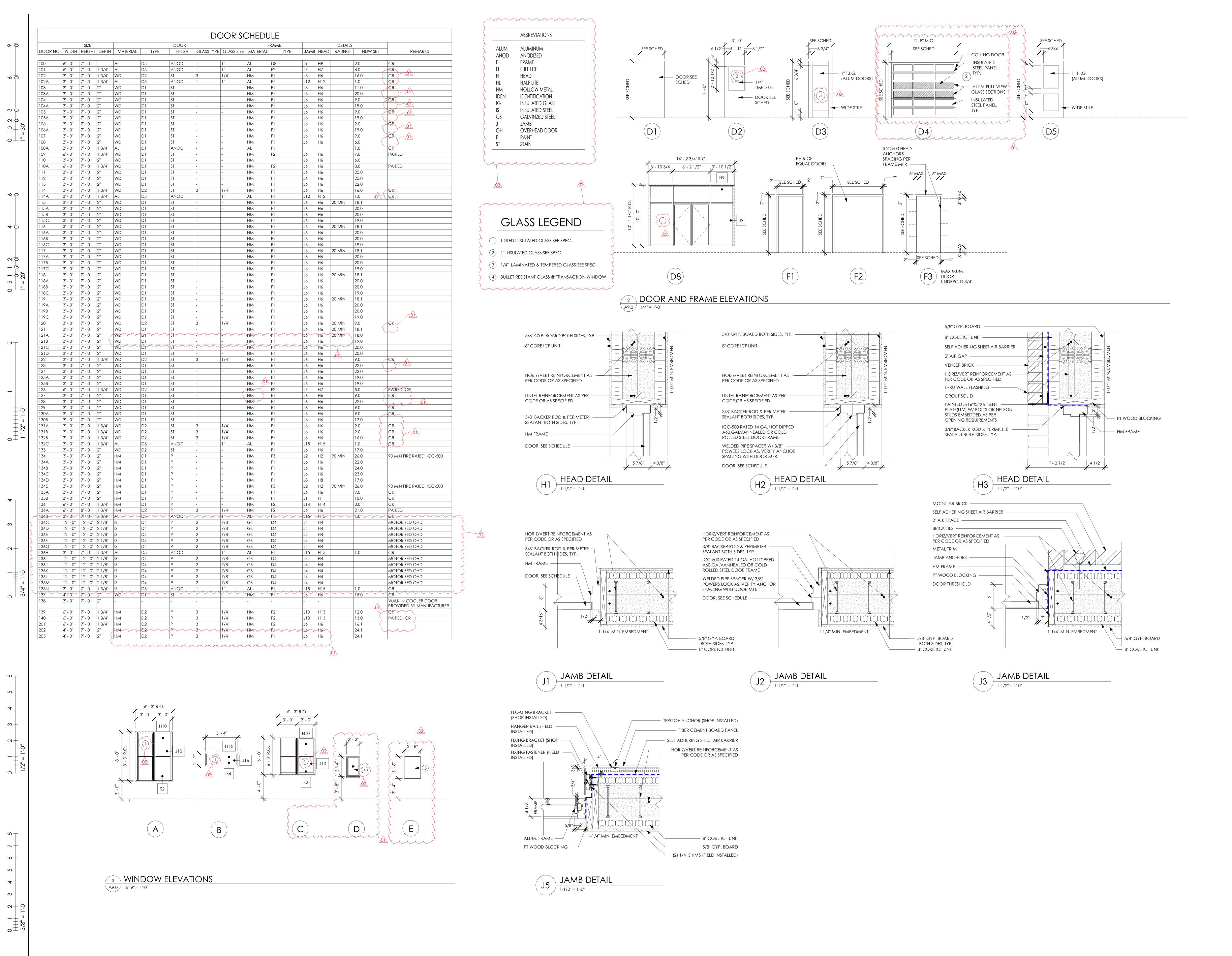
TPA COMMISSION NUMBER: 22009

DRAWING TITLE:

DOOR

SCHEDULES & DETAILS

A9.0



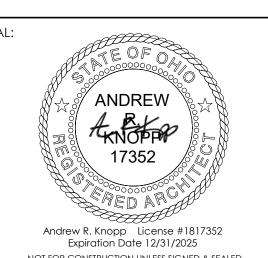


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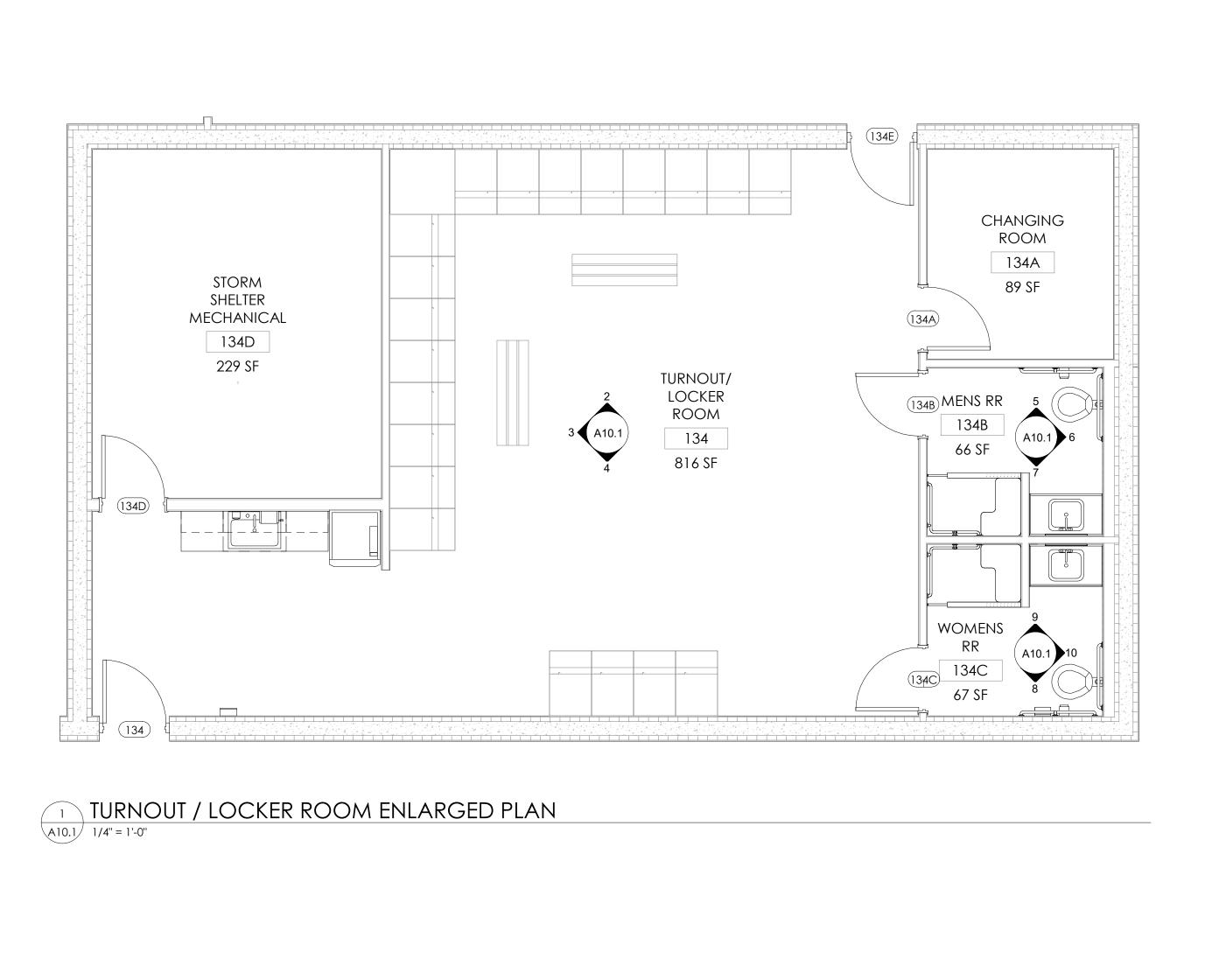
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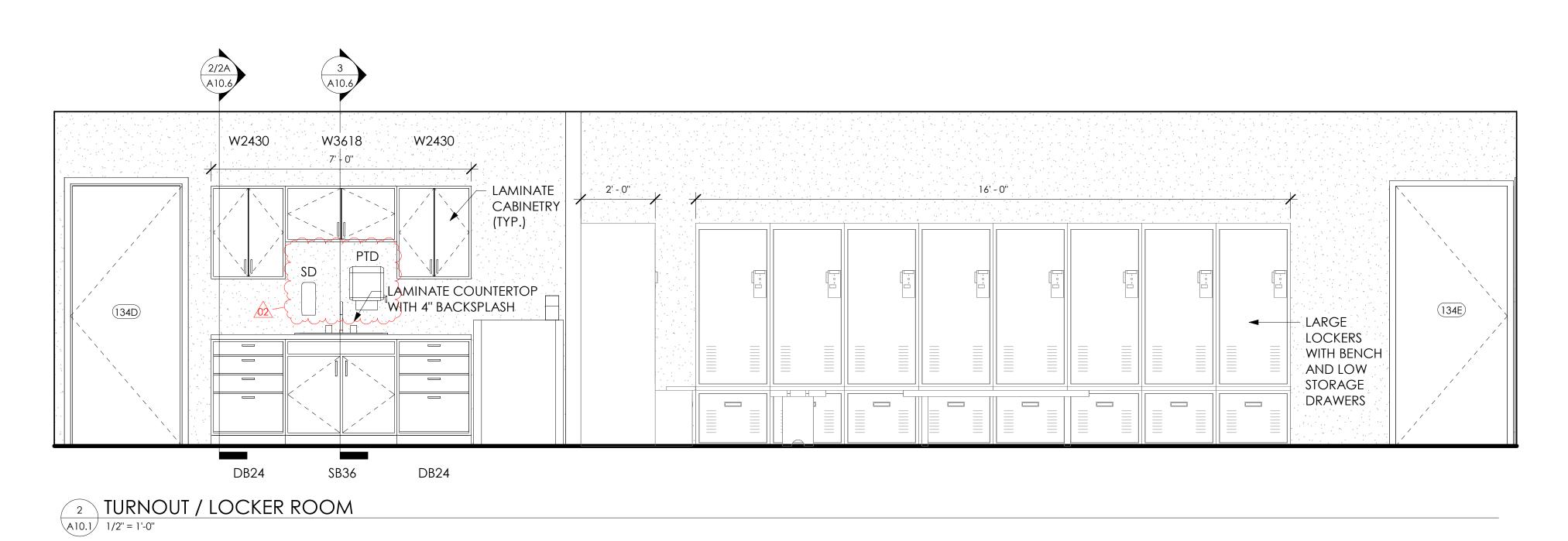
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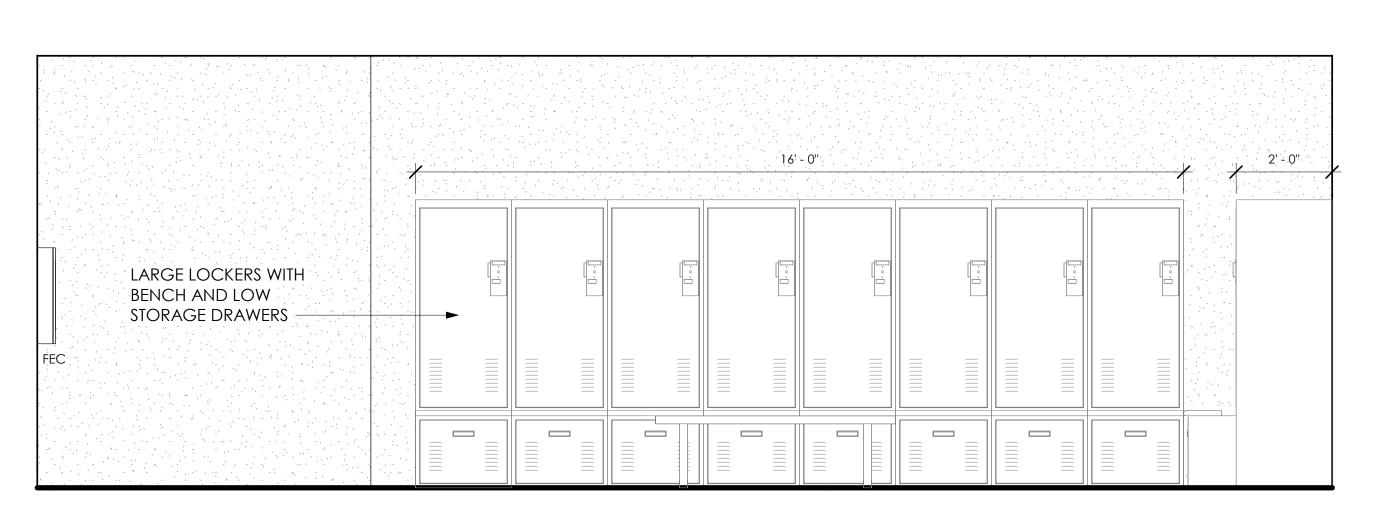
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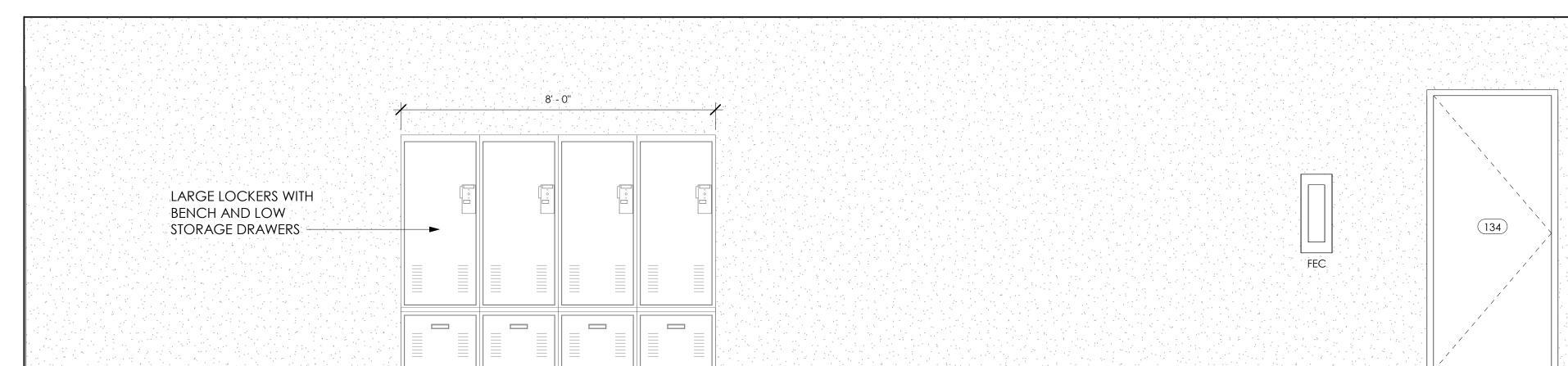
DOOR SCHEDULES & DETAILS

DRAWING NUMBER: A9.0



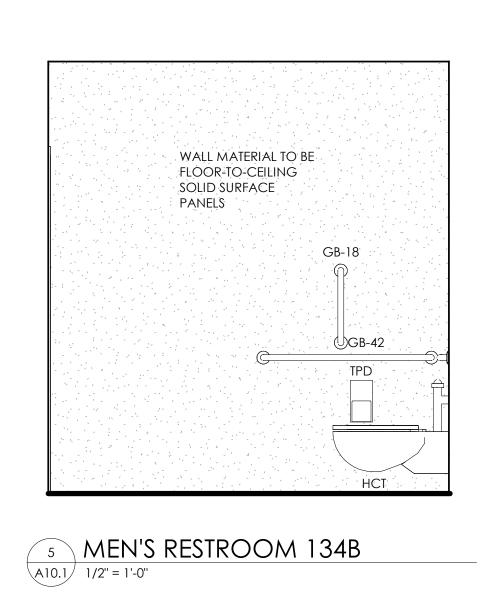


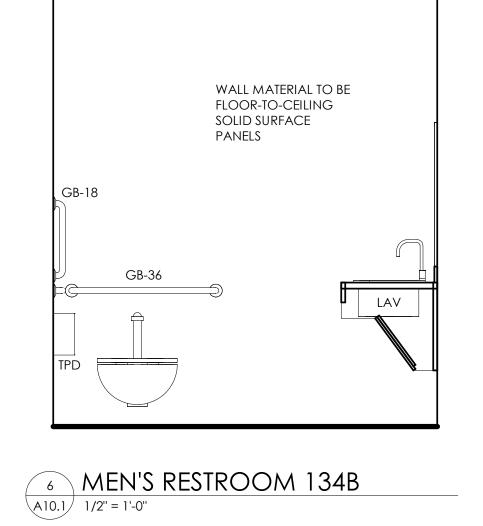


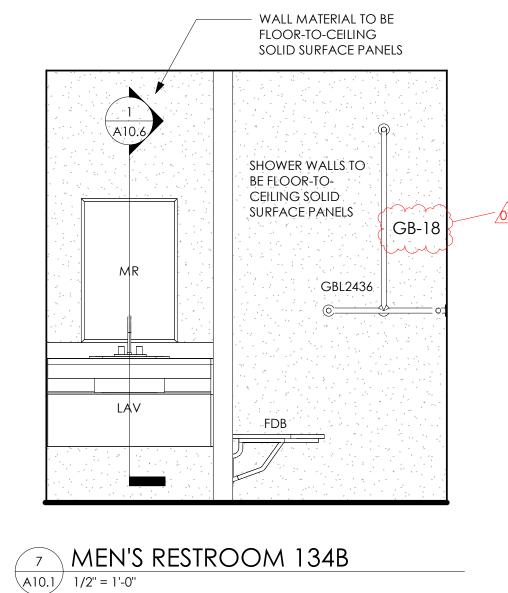


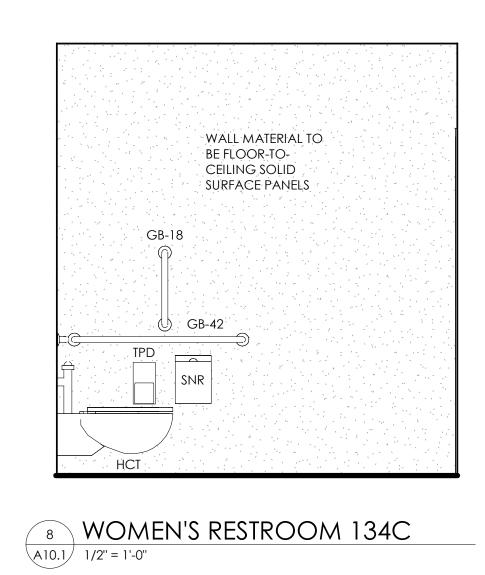
3 TURNOUT / LOCKER ROOM
A10.1 1/2" = 1'-0"

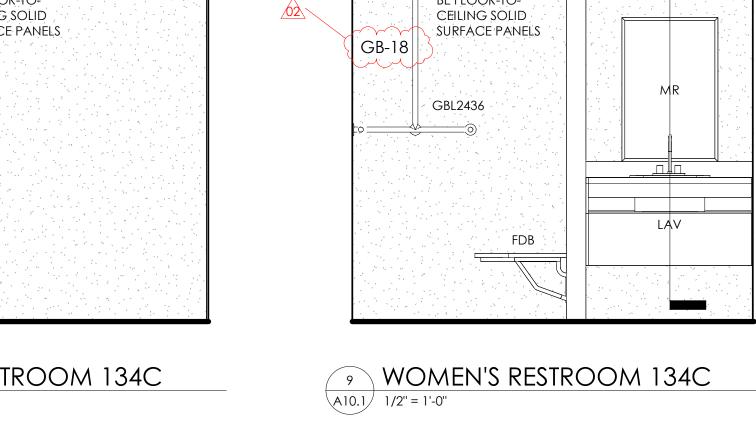


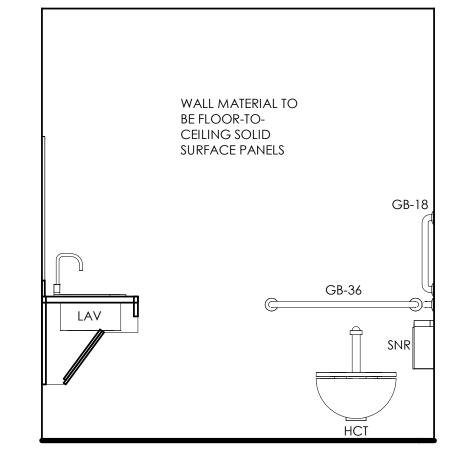


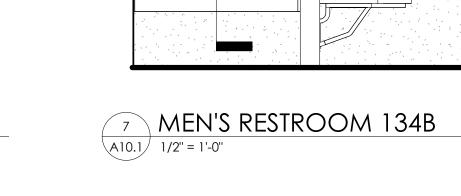


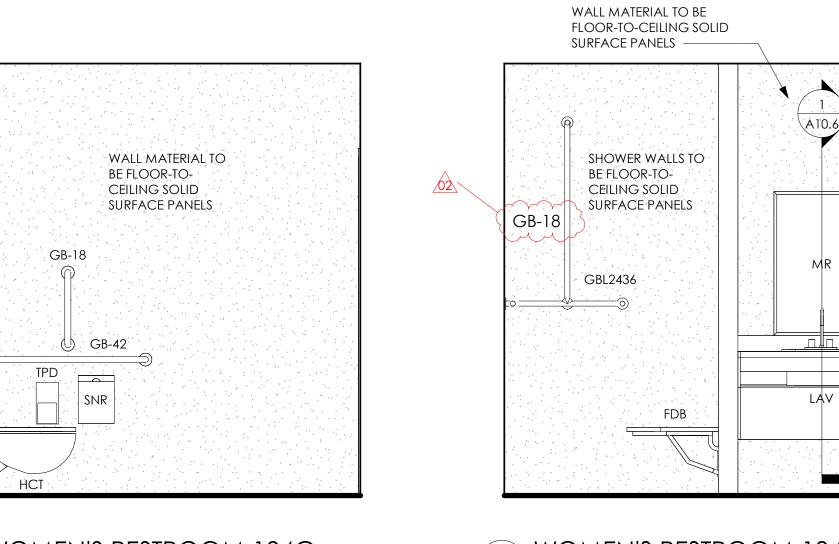














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A10.1

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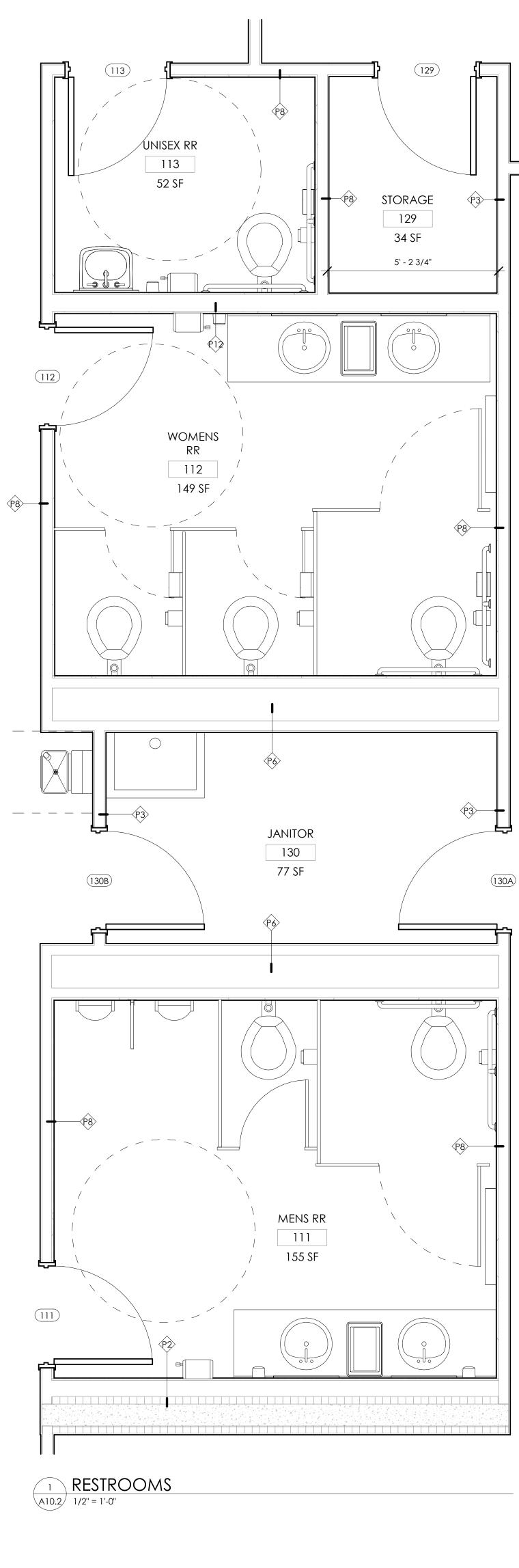
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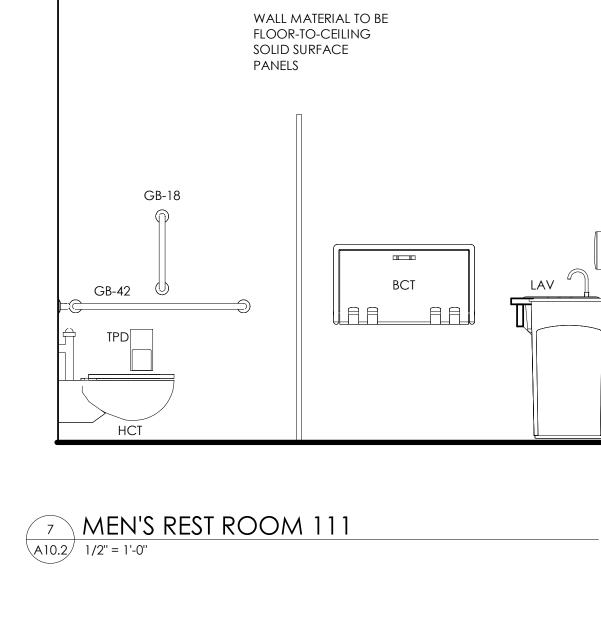
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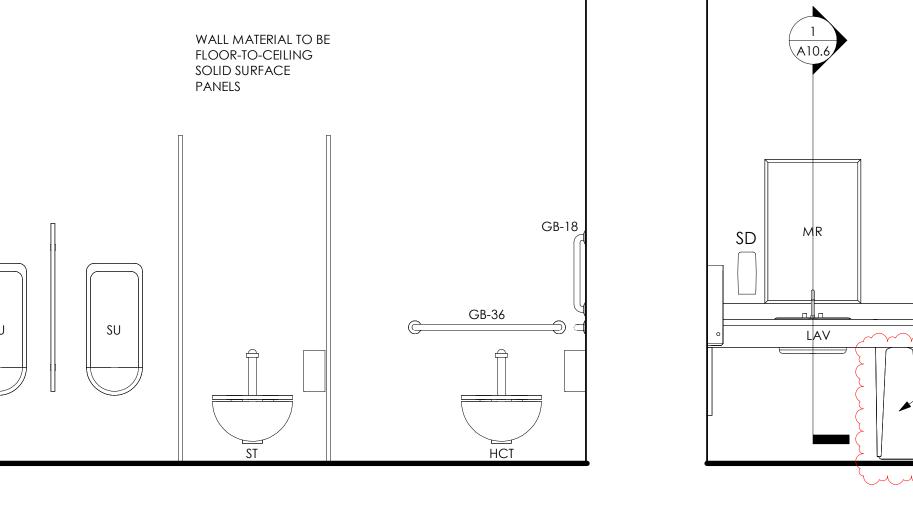
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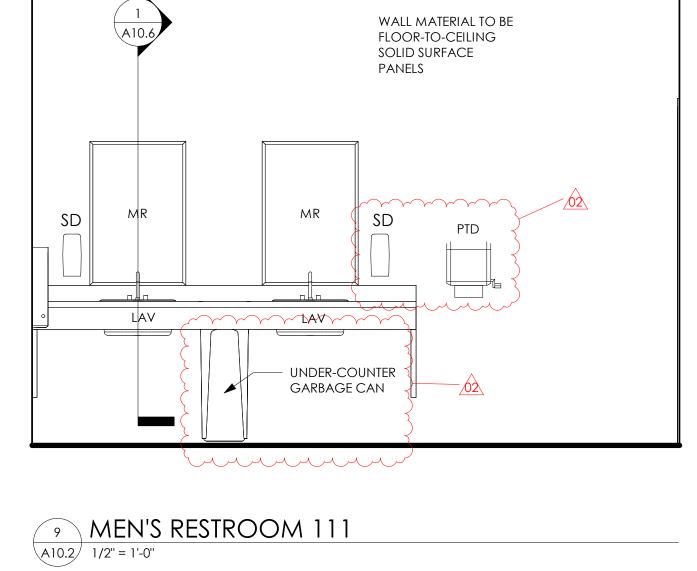
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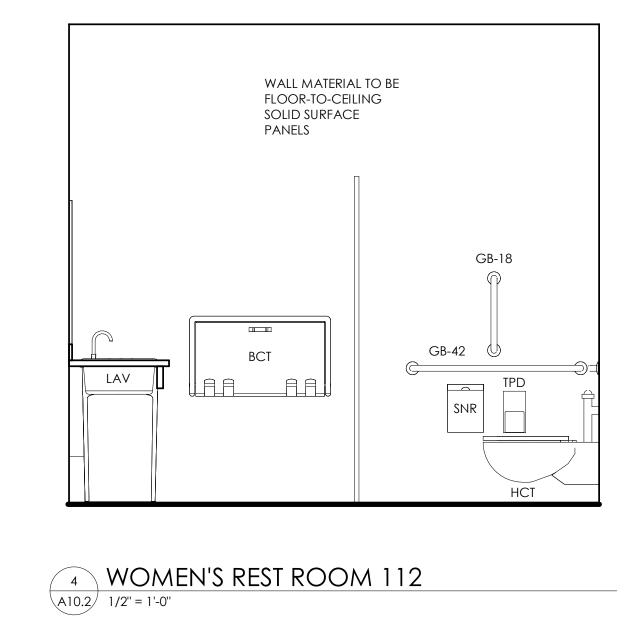












WALL MATERIAL TO BE FLOOR-TO-CEILING

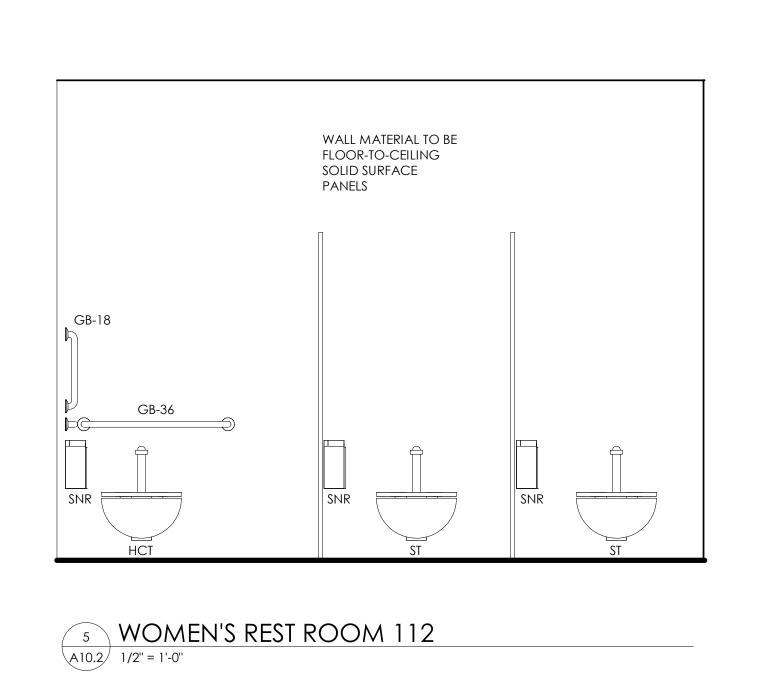
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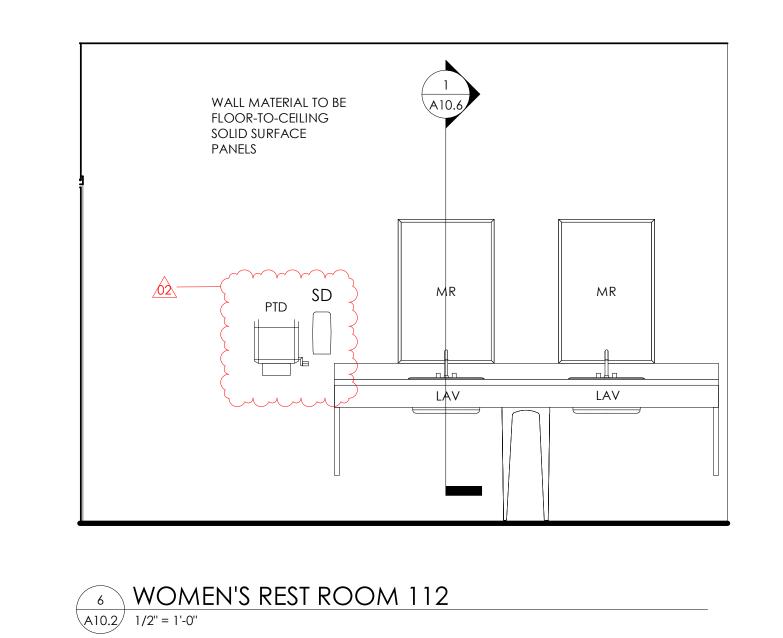
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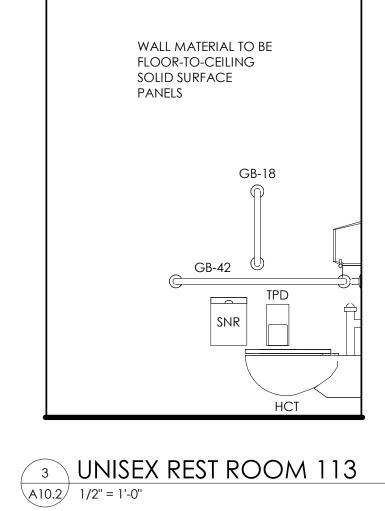
SOLID SURFACE

PANELS

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











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PLANS &

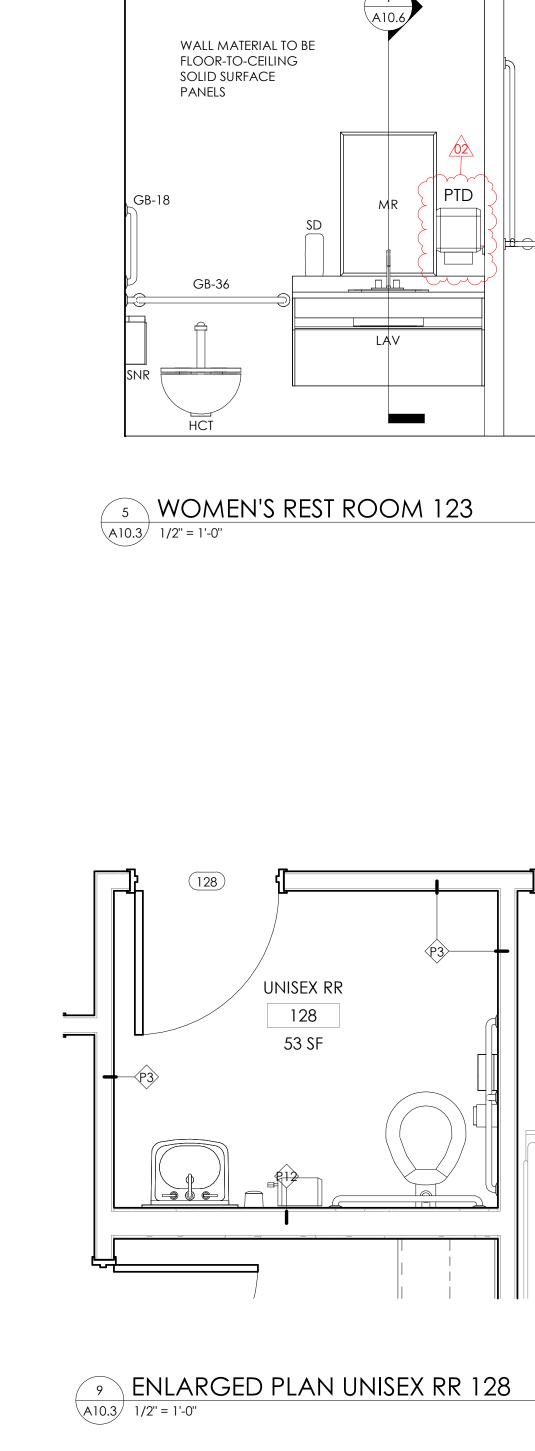
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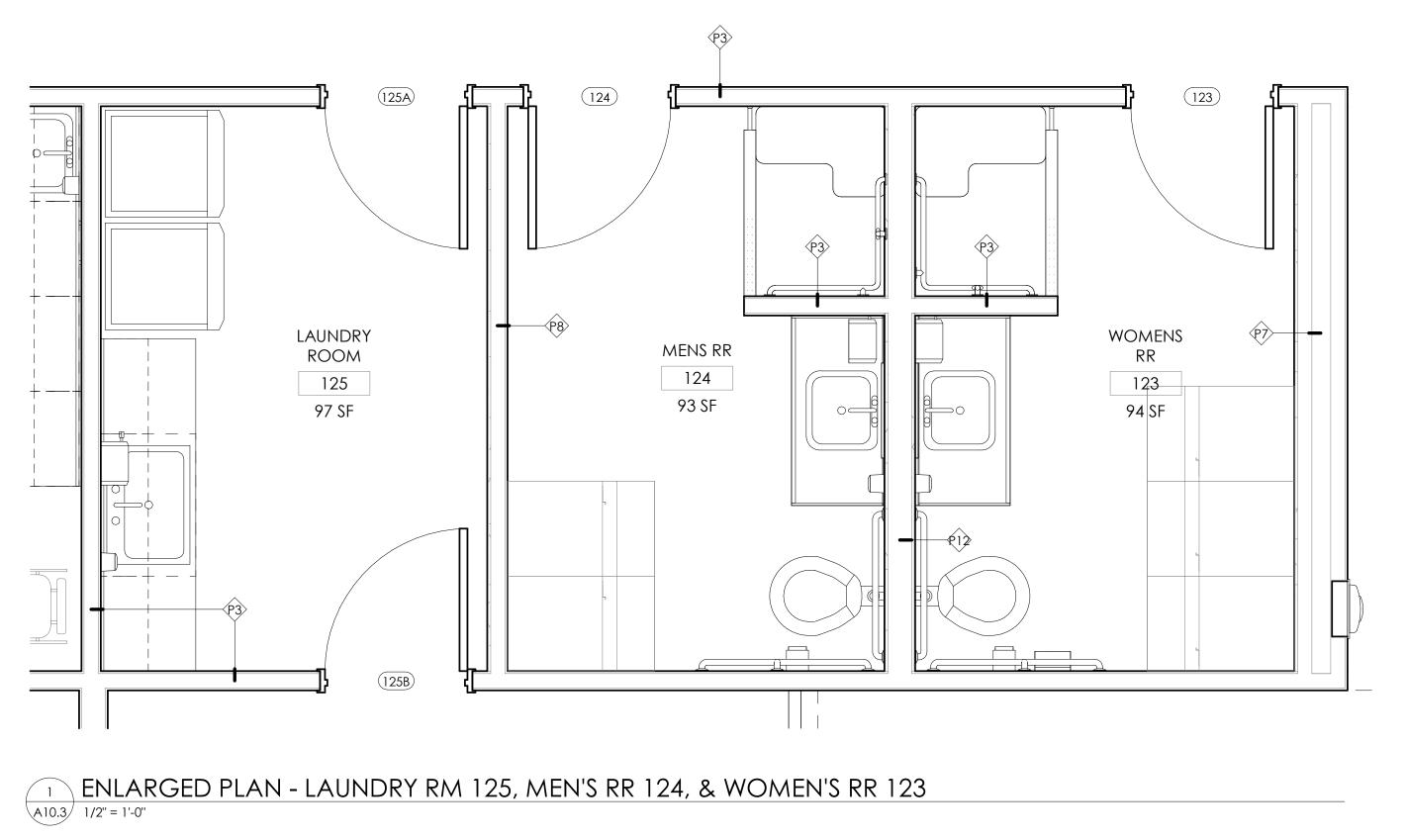
A10.2

ADDENDUM 02

TPA COMMISSION NUMBER: 22009

10.24.2024 ISSUED FOR BID





WALL MATERIAL TO BE

GB-18

LAV

FLOOR-TO-CEILING

SOLID SURFACE

6 WOMEN'S REST ROOM 123

WALL MATERIAL TO BE FLOOR-TO-CEILING

PTD

SOLID SURFACE

PANELS

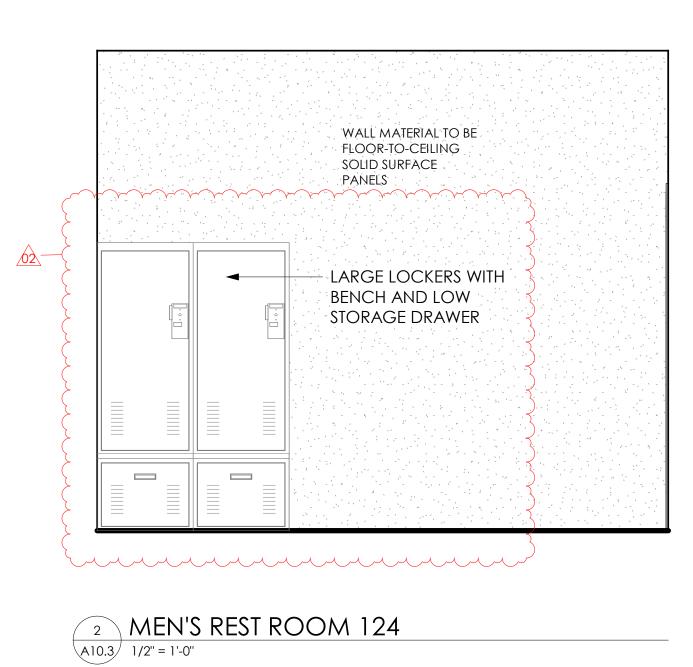
10 UNISEX REST ROOM 128 A10.3 1/2" = 1'-0"

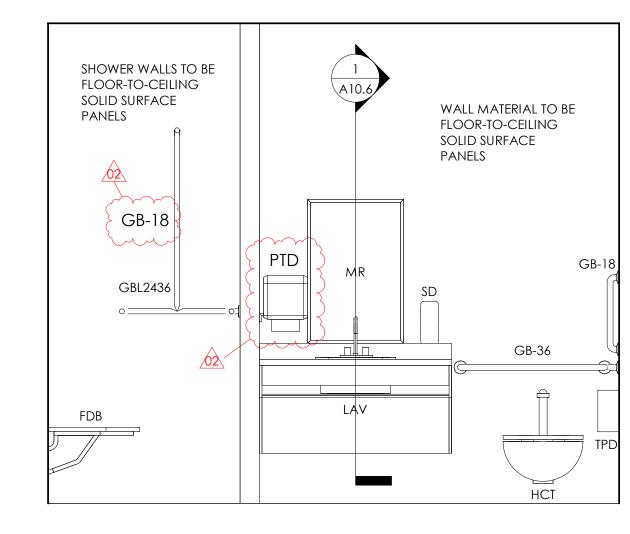
SHOWER WALLS TO BE

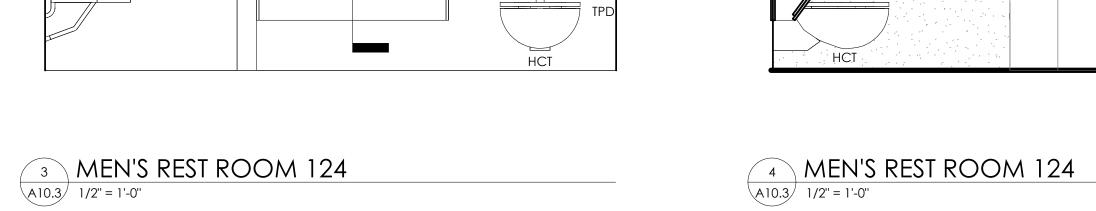
FLOOR-TO-CEILING SOLID SURFACE

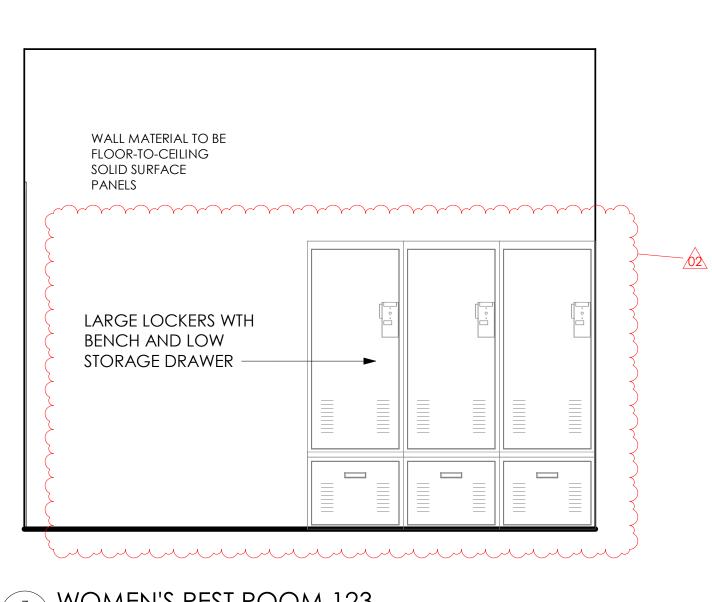
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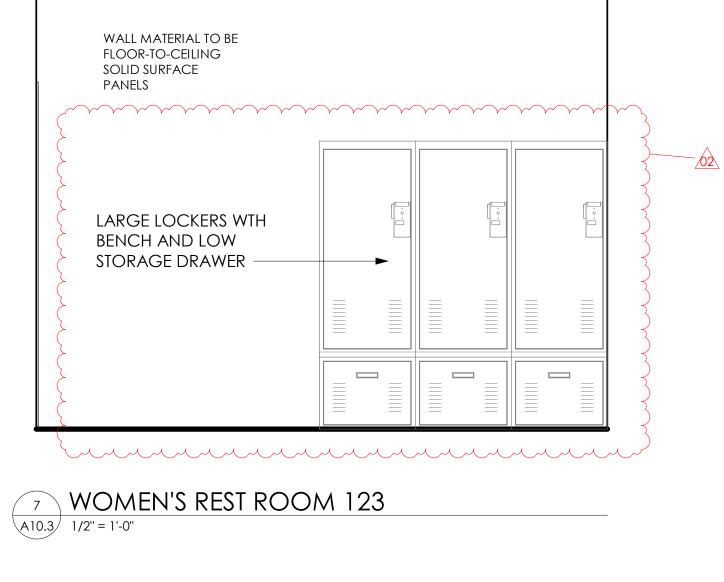
FDB











WALL MATERIAL TO BE ... FLOOR-TO-CEILING

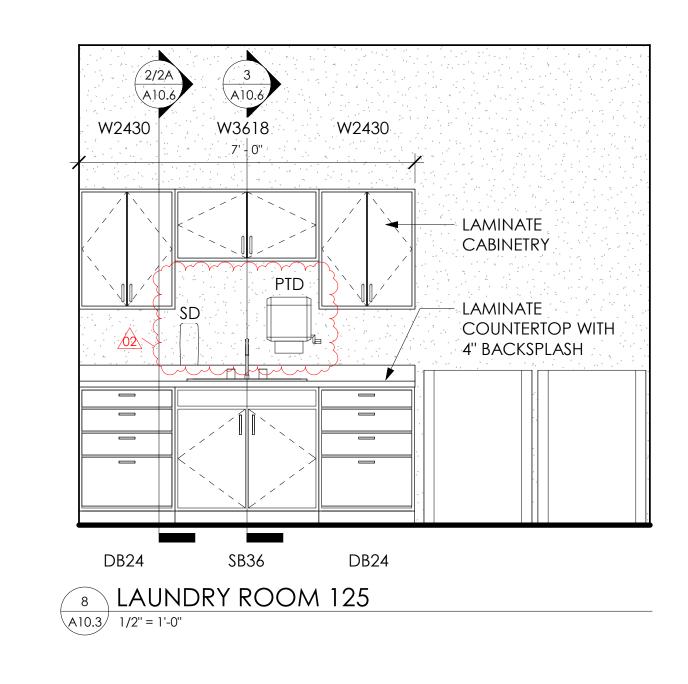
GB-18

GB-42

SOLID SURFACE PANELS

UNISEX REST ROOM 128

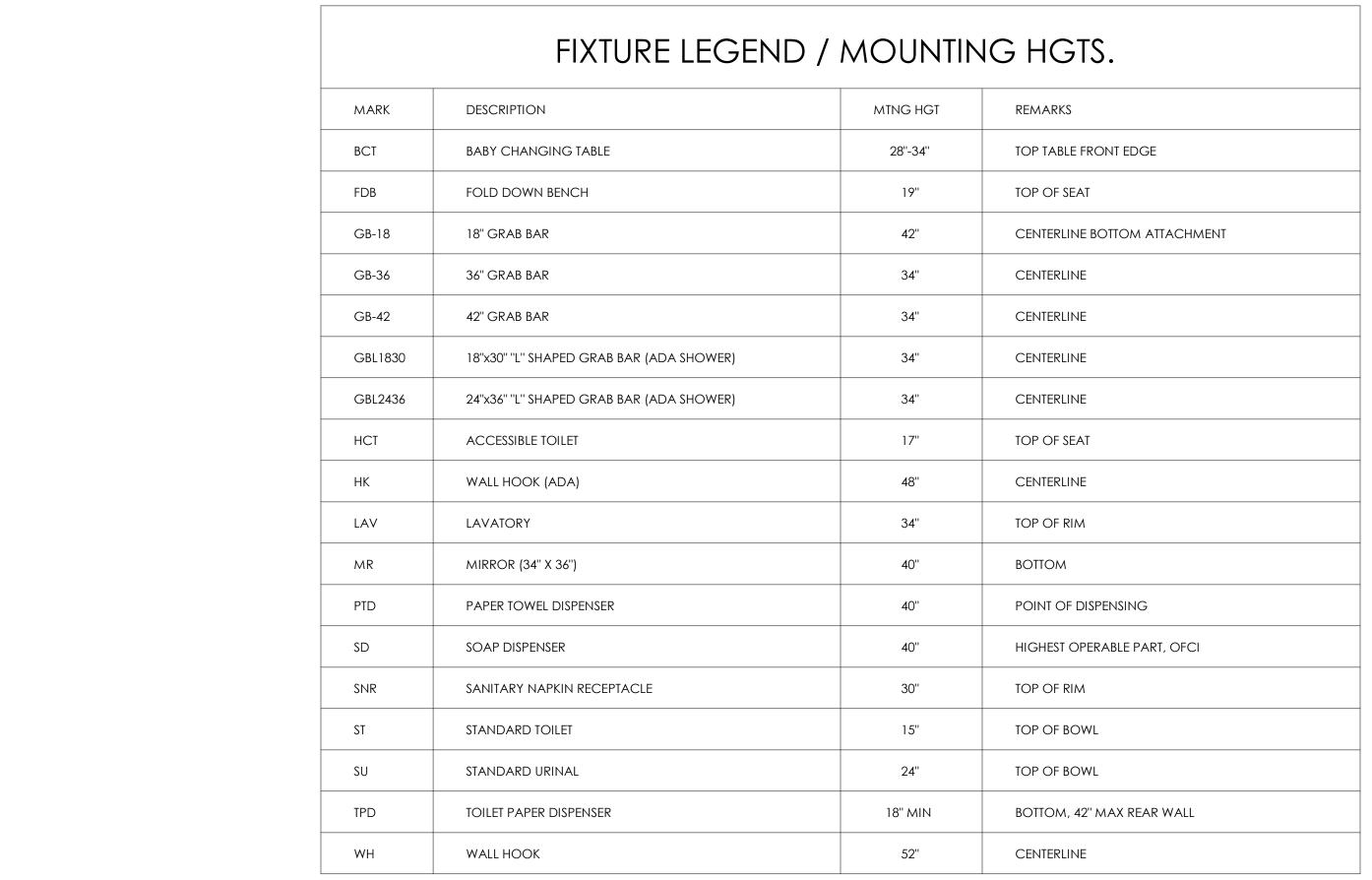
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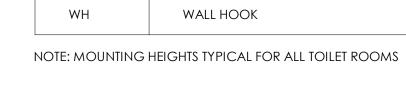


WALL MATERIAL TO BE

FLOOR-TO-CEILING

- SOLID SURFACE





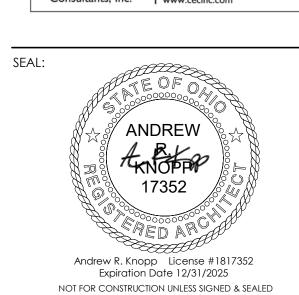


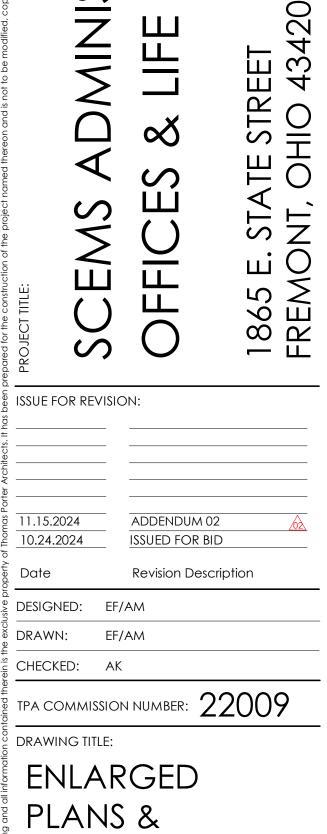












DRAWING NUMBER: A10.3

ELEVATIONS