

Meridian Airport Authority - New Terminal

ADDENDUM NO. 2

TO: All Bidders on the Above Referenced Product
FROM: Davis Purdy Architects, PLLC
DATE: June 19, 2024
SUBJECT: **ADDENDUM NO. 1**

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM IS REQUIRED ON BID FORM.

Clarifications and revisions to Contract Documents for the referenced project are as follows:

PROJECT MANUAL / SPECIFICATIONS

1. **CLARIFICATION:** Use the following AIA document for the “Bid Bond”:
 - a. AIA Document A310-2010.

2. **REPLACE:** Replace the Table of Contents in the Project Manual dated 5/17/24 with the attached Table of Contents dated 6/19/24.

3. **REPLACE:** Replace the UNIT PRICE FORM dated 5/17/24 with the attached UNIT PRICE FORM dated 6/18/24. Revisions and clarifications are as follows:
 - a. Remove 5/17/24 Unit Price Item 26 Rock Excavation.
 - b. Remove 5/17/24 Unit Price Item 27 Muck Excavation.
 - c. All unsuitable soil shall be removed, hauled, and stockpiled on the concrete apron that is south of the Dean Maintenance Hangar and paid for under the unit price item for Unclassified Excavation.
 - d. Remove 5/17/24 Unit Price Item 87 Site Furnishings (Benches, Tables, Chairs) per Addendum No. 1.

- e. Remove 5/17/24 Unit Price Item 88 Geothermal System per Addendum No. 1
 - f. Revised estimated quantity for Unit Price Item 25 Unclassified Excavation to account for building undercut for the new terminal building foundation per Detail shown on plan sheet S-104.
 - g. Revised estimated quantity for Unit Price Item 26 Borrow Excavation to account for building undercut and backfill for the new terminal building foundation per Detail shown on plan sheet S-104 as well as backfill for the removal of the existing terminal building. Borrow excavation will be paid for by Final Measure Embankment.
 - h. Revised estimated quantity for Unit Price Item 32 Granular Material to account for temporary transitions between construction phases.
 - i. Revised estimated quantity for Unit Price Item 33 Size 610 Crushed Limestone Base to account for temporary transitions between construction phases.
 - j. Revised estimated quantity for Unit Price Item 35 9.5-mm Mixture, ST, Asphalt Pavement to account for temporary transitions between construction phases.
 - k. Revised estimated quantity for Unit Price Item 36 19-mm Mixture, ST, Asphalt Pavement to account for temporary transitions between construction phases. Revised estimated quantity for Unit Price Item 64 Concrete Sidewalk, With Reinforcement to account for temporary transitions between construction phases.
 - l. Unit Price Item numbers revised.
4. **REPLACE:** Replace the following specification section dated 6/13/24 with the same specification section dated 6/19/24.
- a. **01 2100 – ALLOWANCES.** Specification section is attached.
 - i. Allowance No. 6 has been added.
5. **ADD:** Add the following specification section dated 6/19/24:
- a. **06 4600 – Wood Trim.** Specification section is attached.

6. **ADD:** The following specification sections were listed in the Table of Contents of the Project Manual dated 5/17/24, but were missing in the Project Manual and shall be added in this addendum:
- a. **06 4116 – Plastic-Laminated-Clad Architectural Cabinets.** Specification section is attached.
 - b. **08 7100 – Door Hardware.** Specification section is attached.
 - c. **09 6623 – Epoxy Terrazzo.** Specification section is attached.
 - d. **09 6813 – Tile Carpeting.** Specification section is attached.
 - e. **09 7200 – Wall Coverings.** Specification section is attached.
 - f. **14 2100 – Conveyors.** Specification section is attached.
 - g. **34 7736 – Baggage Scales.** Specification section is attached.
7. **DELETE:** Delete following specification sections:
- a. **06 4600 – Architectural Woodwork**
 - b. **06 6400 – Plastic Paneling**
 - c. **08 8300 – Mirrors.** Specification section is attached.
 - d. **09 4111 – Decorated Ceiling & Wall System.** Specification section is attached.
 - e. **34 7739 – Baggage Conveying Equipment**
8. **CLARIFICATION:** The following items are clarifications for Specification Section 09 5113 Acoustical Ceilings:
- a. Basis of Design for Acoustical Ceilings is ULTIMA 2X2 with Tegular Edge by Armstrong as correctly shown in Architectural sheet A-920 Finish Schedule.
 - b. Disregard DUNE 2X2 by Armstrong and KITCHEN ZONE PANELS by Armstrong as listed in Specification Section 09 5113 Acoustical Ceilings.

DRAWINGS

9. CLARIFICATION: Expansion joints are to be provided for all concrete paving. Contractor is responsible for providing a pavement jointing plan for approval during construction. Provide expansion joints per MDOT requirements.

10. CLARIFICATION: Wind uplift requirements are indicated on Structural sheet S-101.

11. CLARIFICATION: Provide one (1) additional layer of 5/8" gypsum wall board to the following rooms:

- a. TSA Office 128
- b. Breakroom 129
- c. Breakroom 135
- d. Airline Office 137
- e. Breakroom 203
- f. Office 207
- g. Records 208
- h. Office 209
- i. Comm 211
- j. Office 5 213
- k. Office 4 214

12. CLARIFICATION: Provide two (2) additional layers of 5/8" gypsum wall board to the following rooms:

- a. Training 131
- b. Training 132
- c. Board Room 201
- d. Conference Room 206

13. REPLACE: Replace the following Architectural sheets dated 5/17/24 with the same sheets dated 6/18/24. Minor changes are indicated with clouds on sheets. The following Architectural sheets are attached:

- a. **A-632**

b. A-920

14. DELETE/REPLACE: Delete Structural sheet S-104 – Foundation and First Floor Framing Plan and replace with attached Sheet S-104R – Foundation and First Floor Framing Plan; changes are clouded and labeled with an addendum mark. Update the sheet index accordingly.

15. DELETE/REPLACE: Delete Structural sheet S-201 – Foundation Details and replace with attached Sheet S-201R – Foundation Details; changes are clouded and labeled with an addendum mark. Update the sheet index accordingly.

16. DELETE/REPLACE: Delete Structural sheet S-403 – Column Details and replace with attached Sheet S-403R – Column Details; changes are clouded and labeled with an addendum mark. Update the sheet index accordingly.

17. BAGGAGE CLAIM 126 CONVEYOR BASIS OF DESIGN:

- a. THRU-WALL PALLET CONVEYOR configuration “O” by G&S Airport Conveyor Airport Baggage Solutions, or equal.
- b. Coordinate configuration with layout shown on drawings.
- c. Product information data sheet is attached.

18. AIRLINE BACK OF COUNTER 144 BASIS OF DESIGN:

- a. CHECK IN CONVEYOR by G&S Airport Conveyor Airport Baggage Solutions, or equal.
- b. Coordinate configuration with layout shown on drawings.
- c. Product information data sheet is attached.

19. TSA BAG SCAN 138 BASIS OF DESIGN:

- a. CUSTOM INSPECTION CONVEYOR by G&S Airport Conveyor Airport Baggage Solutions, or equal.
- b. TAPERED ROLLER ASSEMBLIES by G&S Airport Conveyor Airport Baggage Solutions, or equal.
- c. Coordinate configuration with layout shown on drawings.
- d. Product information data sheet is attached.

20. BOLLARD BASIS OF DESIGN:

- a. HELIO BOLLARD, SERIES 600 by Forms+Surfaces, or equal.
- b. Coordinate quantity and locations as shown on drawings.
- c. Product information data sheet is attached.

21. SECURE EXIT LANE BASIS OF DESIGN:

- a. SEL Secure Exit Lane – Single Lane by Horton Automatics, or equal.
- b. Located in Sterile Area Exit 147.
- c. Coordinate final layout with Architect prior to installation.
- d. Product information data sheet is attached.

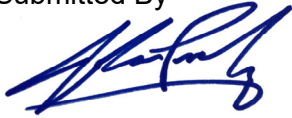
22. REPLACE: Replace the following Landscape sheets dated 5/17/24 with the same sheets dated 6/18/24. Minor changes are indicated with clouds on sheets. The following Landscape sheets are attached:

- a. L-100
- b. L-150
- c. L-151

23. REPLACE: Replace the following Electrical sheets dated 6/13/24 with the same sheets dated 6/18/24. Minor changes are indicated with clouds on sheets. The following Electrical sheets are attached:

- a. E-000
- b. E-001
- c. E-200
- d. E-300

Submitted By



John L. Purdy, AIA

Davis Purdy Architects, PLLC

June 19, 2021

**ACKNOWLEDGEMENT OF RECEIPT OF THIS ADDENDUM IS
REQUIRED AND SHALL BE INDICATED ON BID FORM**

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Portions of the work included as a part of this contract shall be performed in accordance with the Mississippi Department of Transportation - Standard Specifications for Road and Bridge Construction, latest version, except where noted otherwise.

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Proposal Package

UNIT PRICE FORM

Bidder: _____.

Project Name: MAA – New Terminal

Project Location: 2811 Airport Blvd. S., Meridian, MS 39307

Owner: Meridian Airport Authority

Architect: Davis Purdy Architects, PLLC

Architect Project Number: 23-002

(Failure to furnish all requested data will be cause for considering Bidder non-responsive and may render this Bid invalid on that basis.)

General Notes:

1. This Schedule of Unit Prices forms an integral part of the bid for the above noted project and shall be read and considered in conjunction with the Proposal Package.
2. It is Understood and agreed that with respect to the submission of this Schedule of Unit Prices, the following shall apply:
 - a. Unit prices submitted shall include all costs and charges, including overhead and profit.
 - b. Every unit price requested shall be submitted, or the bid may be rejected.
 - c. The estimated bid quantities are subject to increase or decrease depending on actual conditions encountered.
 - d. Payment will be made on actual quantities at the Unit Prices stated herein.
 - e. Actual quantities will be determined upon completion of the work, at which time adjustment will be made to the contract amount by direct increase or decrease.
 - f. Should any item be omitted or illegible, should any alteration be made to the text, or should any condition be added on or submitted with the Schedule of Unit Prices or Bid Form, the bid may be declared informal and rejected by the Owner.
3. The lowest responsive and responsible bidder will be the responsive and responsible bidder submitting the lowest TOTAL BID price.
4. Schedule: See next page.

Proposal Package

SCHEDULE A - BASE BID

Bidder agrees to complete the Work in accordance with the Contract Documents for the following **Unit Prices:**

ITEM No.	SPEC SECTION	ITEM DESCRIPTION	ESTIMATED BID QTY.	UNIT OF MEASURE	UNIT PRICE BID	EXTENDED VALUE <i>(Unit Price times Estimated Bid Qty.)</i>
1	201-A	Clearing and Grubbing	1	LS	\$	\$
2	202	Removal of Asphalt Pavement (All Thicknesses)	9,720	SY	\$	\$
3	202	Removal of Concrete Pavement (All Thickness)	840	SY	\$	\$
4	202	Removal of Concrete Sidewalk/Pads (All Thickness)	1,120	SY	\$	\$
5	202	Removal of Drainage Pipe (All Sizes & Depths)	1,655	LF	\$	\$
6	202	Removal of Manholes, Inlets & Junction Boxes	17	EA	\$	\$
7	202	Removal of Trench Drain	100	LF	\$	\$
8	202	Removal of Curb and Gutter (All Types)	4,570	LF	\$	\$
9	202	Removal of Paved Ditch	29	SY	\$	\$
10	202	Removal of Pavement Marking	1,575	SF	\$	\$
11	202	Removal of Chain-Link Fence	255	LF	\$	\$
12	202	Removal of Security Wall	200	LF	\$	\$
13	202	Removal of Gate	32	LF	\$	\$
14	202	Removal of Light Pole and Foundation	7	EA	\$	\$
15	202	Removal of Sanitary Sewer (All Sizes & Depths)	815	LF	\$	\$
16	202	Removal of Sanitary Sewer Manhole	3	EA	\$	\$
17	202	Removal of Waterline (All Sizes & Depths)	567	LF	\$	\$
18	202	Removal of Backflow Preventer	1	EA	\$	\$
19	202	Removal of Gas Line (All Sizes & Depths)	120	LF	\$	\$
20	202	Relocation of Fire Hydrant Assembly	1	EA	\$	\$
21	202	Relocation of Gas Meter Assembly	1	EA	\$	\$
22	202	Removal of Trees and Landscaping	1	LS	\$	\$
23	202	Removal of Flag Pole and Foundation	1	EA	\$	\$
24	202	Miscellaneous Demolition (Signs, Concrete Wheel Stops, Misc Concrete Foundations, etc.)	1	LS	\$	\$
25	203-A	Unclassified Excavation (FM)	5,850	CY	\$	\$

Proposal Package

26	203-EX	Borrow Excavation (FME) (Class B-17)	17,400	CY	\$	\$
27	221-A	Concrete Paved Ditch	5	CY	\$	\$
28	230	Landscaping (Trees, Shrubs, Groundcover)	1	LS	\$	\$
29	234	Construction Entrance/Exit	3	EA	\$	\$
30	234-A	Temporary Silt Fence	1,200	LF	\$	\$
31	234-D	Inlet Siltation Guard	37	EA	\$	\$
32	304-A	Granular Material, LVM, Class 9, Group B (Asphalt Pavement Section)	950	CY	\$	\$
33	304-F	Size 610 Crushed Limestone Base, LVM (Asphalt Pavement Section)	1,200	CY	\$	\$
34	308-B	Soil-Cement-Water Mixing	2,600	SY	\$	\$
35	403-A	9.5-mm Mixture, ST, Asphalt Pavement	1,610	TON	\$	\$
36	403-A	19-mm Mixture, ST, Asphalt Pavement	2,550	TON	\$	\$
37	407-A	Asphalt for Tack Coat	930	GAL	\$	\$
38	408-A	Asphalt for Prime Coat	2,400	GAL	\$	\$
39	501-A	6" Fiber-Reinforced Cement Concrete Pavement	60	SY	\$	\$
40	601	ADA Ramp and Stairs	1	LS	\$	\$
41	601	Concrete Wheel Stops	57	EA	\$	\$
42	601	Concrete Filled Pipe Bollard with Architectural Cap	36	EA	\$	\$
43	601	Concrete Filled Pipe Bollard	12	EA	\$	\$
44	603-CA	18" Reinforced Concrete Pipe, Class III	1,220	LF	\$	\$
45	603-SB	18" Branch Connection (18" Pipe into Existing Inlet)	4	EA	\$	\$
46	603-PVC	10" Poly Vinyl Chloride Pipe	185	LF	\$	\$
47	604-C	MDOT Storm Sewer Inlet Type SS-2, Complete	6	EA	\$	\$
48	604-C	MDOT Storm Sewer Inlet Type SS-3, Complete	4	EA	\$	\$
49	604-C	MDOT Storm Sewer Gutter Inlet, Complete	3	EA	\$	\$
50	604-C	MDOT Storm Manhole, Complete	3	EA	\$	\$
51	604-C	Storm Cleanout, Complete	3	EA	\$	\$
52		4" PVC (SDR-26) Gravity Sanitary Sewer (0-6' Depth)	38	LF	\$	\$
53		6" PVC (SDR-26) Gravity Sanitary Sewer (0-6' Depth)	136	LF	\$	\$

Proposal Package

54		8" PVC (SDR-26) Gravity Sanitary Sewer (0-6' Depth)	278	LF	\$	\$
55		4" Two-Way Sanitary Cleanout	3	EA	\$	\$
56		48" Precast Manhole w/ Frame and Cover (6-12' Depth)	4	EA	\$	\$
57		Raise Existing Sanitary Sewer Manhole	10	LF	\$	\$
58		Tie to Existing Sanitary Sewer Manhole	1	EA	\$	\$
59		3" Sch 40 PVC Waterline	140	LF	\$	\$
60		6" C900 PVC Waterline	173	LF	\$	\$
61		1-1/2" Water Meter	1	EA	\$	\$
62		Backflow Prevention Assembly	2	EA	\$	\$
63		Tie to Existing Water Lines	3	EA	\$	\$
64	608-B	Concrete Sidewalk, With Reinforcement	1,390	SY	\$	\$
65	608-C	Detectable Warning Panels	78	SF	\$	\$
66	609-E	Combination Concrete Curb and Gutter Type 1	3,420	LF	\$	\$
67	609-E	Combination Concrete Curb and Gutter Type 3B	445	LF	\$	\$
68	609-E	Header Curb	570	LF	\$	\$
69	618-A	Maintenance of Traffic	1	LS	\$	\$
70	620-A	Mobilization	1	LS	\$	\$
71	625-A	Traffic Stripe, Skip White High Build	320	LF	\$	\$
72	625-C	Traffic Stripe, Continuous White High Build	2,490	LF	\$	\$
73	625-D	Traffic Stripe, Continuous Yellow High Build	275	LF	\$	\$
74	625-F	Traffic Stripe, Continuous ADA Blue High Build	230	SF	\$	\$
75	625-F	Legend High Build	2,900	SF	\$	\$
76	P-620	Taxiway Painting With Type I Glass Beads	290	SF	\$	\$
77	P-620	Taxiway Painting With No Glass Beads	730	SF	\$	\$
78	630-A	Standard Roadside Signs	180	SF	\$	\$
79	630-C	Powder-Coated Square Steel Tube Sign Posts with Foundation	26	EA	\$	\$
80	F-162	Chain-Link Fence	245	LF	\$	\$
81	F-162	Pedestrian Gate	1	EA	\$	\$

Proposal Package

82	F-162	Relocation of Vehicular Access Gate Including Control Equipment and Communication and Electrical	1	LS	\$	\$
83	T-904	Sod	8,690	SY	\$	\$
84	T-905	Topsoiling	1,015	CY	\$	\$

The proposed **TOTAL BASE BID UNIT PRICE AMOUNT** (Total of all Extended Values) is

_____ Dollars (\$_____).

Proposal Package

SCHEDULE B – BID ALTERNATE 4

Bidder agrees to complete the Work in accordance with the Contract Documents for the following **Unit Prices**:

ITEM No.	SPEC SECTION	ITEM DESCRIPTION	ESTIMATED BID QTY.	UNIT OF MEASURE	UNIT PRICE BID	EXTENDED VALUE <i>(Unit Price times Estimated Bid Qty.)</i>
32	304-A	Granular Material, LVM, Class 9, Group B (Asphalt Pavement Section)	-880	CY	\$	\$
33	304-F	Size 610 Crushed Limestone Base, LVM (Asphalt Pavement Section)	-280	CY	\$	\$
35	403-A	9.5-mm Mixture, ST, Asphalt Pavement	-830	TON	\$	\$
36	403-A	19-mm Mixture, ST, Asphalt Pavement	-1,260	TON	\$	\$
37	407-A	Asphalt for Tack Coat	-345	GAL	\$	\$
38	408-A	Asphalt for Prime Coat	-1,390	GAL	\$	\$
85	304-F	Size 610 Crushed Limestone Base (Rigid Pavement Section)	1,160	CY	\$	\$
86	501-A	6" Fiber-Reinforced Cement Concrete Pavement	5,280	SY	\$	\$
87	501-A	8" Fiber-Reinforced Cement Concrete Pavement	1,670	SY	\$	\$

The proposed **TOTAL BID ALTERNATE 4 UNIT PRICE AMOUNT** (Total of all Extended Values) is

_____ Dollars (\$_____).

Proposal Package

SCHEDULE C – BID ALTERNATE 5

Bidder agrees to complete the Work in accordance with the Contract Documents for the following **Unit Prices:**

ITEM No.	SPEC SECTION	ITEM DESCRIPTION	ESTIMATED BID QTY.	UNIT OF MEASURE	UNIT PRICE BID	EXTENDED VALUE (Unit Price times Estimated Bid Qty.)
33	304-F	Size 610 Crushed Limestone Base, LVM (Asphalt Pavement Section)	-635	CY	\$	\$
35	403-A	9.5-mm Mixture, ST, Asphalt Pavement	-535	TON	\$	\$
36	403-A	19-mm Mixture, ST, Asphalt Pavement	-855	TON	\$	\$
37	407-A	Asphalt for Tack Coat	-190	GAL	\$	\$
38	408-A	Asphalt for Prime Coat	-760	GAL	\$	\$
88	304-F	Size 610 Crushed Limestone Base (Rigid Pavement Section)	635	CY	\$	\$
89	501-A	8" Fiber-Reinforced Cement Concrete Pavement	3,810	SY	\$	\$

The proposed **TOTAL BID ALTERNATE 5 UNIT PRICE AMOUNT** (Total of all Extended Values) is

_____ Dollars (\$_____).

SECTION 01 2100
ALLOWANCES

SECTION 01 2100 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Unit-cost allowances.
 - 3. Quantity allowances.
 - 4. Contingency allowances.

1.2 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Owner to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.3 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

SECTION 01 2100
ALLOWANCES

1.5 LUMP-SUM ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include **taxes**, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.6 UNIT-COST ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include **taxes**, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.7 QUANTITY ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include **taxes**, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.8 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's **overhead, profit, and** related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, **taxes**, insurance, equipment rental, and similar costs.
- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit.

SECTION 01 2100
ALLOWANCES

- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.9 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.
 - 3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

SECTION 01 2100
ALLOWANCES

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1: Door Hardware: Include in the Bid amount One Thousand Dollars (\$1,000.00) per door leaf for the purchase and installation of door hardware.
- B. Allowance No. 2: Security Door Hardware: Include in the Bid amount Two Thousand Dollars (\$2,000.00) per door leaf for the purchase and installation of door hardware on doors indicated to receive security door hardware.
- C. Allowance No. 3: Exterior Mailbox: Include in the Bid amount Ten Thousand Dollars (\$10,000.00) for the purchase and installation of mailbox selected by Architect during construction.
- D. Allowance No. 4: Carpet Tile: Include in the Bid amount of Five Dollars per square foot (\$5/sf) for purchase and installation of carpet tile.
- E. Allowance No. 5: Porcelain Floor & Wall Tile: Include in the Bid amount of Ten Dollars per square foot (\$10/sf) for the purchase and installation of porcelain wall and floor tile.
- F. Allowance No. 6: Graphics Package: Include in the Bid amount Three Hundred Thousand Dollars (\$300,000.00) for the purchase and installation of graphics throughout the building. Coordinate with Architect during construction

END OF SECTION 01 2100

WOOD TRIM

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Interior standing and running trim including:
 - a. Shop finished stained wood trim.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product, including panel products and finishing materials and processes.
- B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
 - 1. Show details full size.
 - 2. Apply AWI Quality Certification Program label to Shop Drawings.
- C. Samples for Verification:
 - 1. Lumber for transparent finish, not less than 5 inches wide by 12 inches long for each species and cut, finished on one side and one edge.

1.3 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance. Shop is a certified participant in AWI's Quality Certification Program.
- B. Installer Qualifications: Fabricator of products.
- C. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Build mockups of typical wood trim as shown on Drawings.
 - 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- D. Composite Wood and agrifiber must contain no added urea-formaldehyde resins.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver wood trim until operations that could damage wood trim have been completed in installation areas. If wood trim must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.5 FIELD CONDITIONS

- A. Environmental Limitations for Interior Work: Do not deliver or install interior wood trim until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.

PART 2 - PRODUCTS

2.1 WOOD TRIM, GENERAL

- A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of wood trim indicated for construction, finishes, installation, and other requirements.

2.2 INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH

- A. Refer to Finish Drawings.

2.3 WOOD MATERIALS

- A. Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of wood trim and quality grade specified unless otherwise indicated.
 - 1. Wood Moisture Content for Interior Materials: 5 to 10 percent.
 - 2. Species: Quarter sawn White Oak or quarter sawn Maple

2.4 MISCELLANEOUS MATERIALS

- A. Interior Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber kiln dried to less than 15 percent moisture content.
- B. Provide self-drilling screws for metal-framing supports, as recommended by metal-framing manufacturer.
- C. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors.

2.5 FABRICATION

- A. Fabricate wood trim to dimensions, profiles, and details indicated. Ease edges to radius indicated for the following:
 - 1. Edges of Solid-Wood (Lumber) Members: 1/16 inch unless otherwise indicated.
 - 2. Edges of Rails and Similar Members More Than 3/4 Inch Thick: 1/16 inch.
- B. Backout or groove backs of flat trim members and kerf backs of other wide, flat members except for members with ends exposed in finished work.
- C. Assemble moldings in shop to maximum extent possible. Miter corners in shop and prepare for field assembly with bolted fittings designed to pull connections together.

2.6 SHOP FINISHING

- A. General: Finish wood trim at fabrication shop as specified in this Section. Defer only final touchup, cleaning, and polishing until after installation.
- B. General: Shop finish transparent-finished wood trim at fabrication shop as specified in this Section.
- C. Preparation for Finishing: Comply with referenced quality standard for sanding, filling countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing wood trim, as applicable to each unit of work.
- D. Transparent Finish for Interior Trim:
 - 1. Grade: Custom.
 - 2. Finish, Staining, Sheen: As indicated on Finish Drawings.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition wood trim to average prevailing humidity conditions in installation areas.
- B. Before installing architectural wood trim, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

- A. Grade: Install wood trim to comply with same grade as item to be installed.
- B. Assemble wood trim and complete fabrication at Project site to the extent that it was not completed in the shop.

- C. Install wood trim level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
- D. Scribe and cut wood trim to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Anchor wood trim to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork.
 - 1. For shop-finished items, use filler matching finish of items being installed.
- F. Standing and Running Trim: Install with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) to greatest extent possible. Scarf running joints and stagger in adjacent and related members.
 - 1. Fill gaps, if any, between top of base and wall with plastic wood filler; sand smooth; and finish same as wood base if finished.
 - 2. Install standing and running trim with no more variation from a straight line than 1/8 inch in 96 inches.
- G. Touch up finishing work specified in this Section after installation of wood trim. Fill nail holes with matching filler where exposed.
 - 1. Apply specified finish coats, including stains and paste fillers if any, to exposed surfaces where only sealer/prime coats are applied in shop.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective wood trim, where possible, to eliminate functional and visual defects; where not possible to repair, replace wood trim. Adjust joinery for uniform appearance.
- B. Clean wood trim on exposed and semi exposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION

PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Plastic-laminate-faced architectural cabinets.
2. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-faced architectural cabinets unless concealed within other construction before cabinet installation.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product, including panel products high-pressure decorative laminate adhesive for bonding plastic laminate and cabinet hardware and accessories.

1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.

B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

1. Show details full size.
2. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
3. Show locations and sizes of cutouts and holes for electrical switches and outlets and other items installed in architectural plastic-laminate cabinets.
4. Apply WI Certified Compliance Program label to Shop Drawings.
5. Apply AWI Quality Certification Program label to Shop Drawings.

C. Samples for Verification:

1. Plastic laminates, 8 by 10 inches, for each type, color, pattern, and surface finish, with one sample applied to core material and specified edge material applied to one edge.
2. Exposed cabinet hardware and accessories, one unit for each type and finish.

1.3 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.

- B. Installer Qualifications: Fabricator of products.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver cabinets until painting and similar operations that could damage woodwork have been completed in installation areas. If cabinets must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install cabinets until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Field Measurements: Where cabinets are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed, and indicate measurements on Shop Drawings.

PART 2 - PRODUCTS

2.1 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS

- A. Subject to requirements of these specifications, provide products by one of the following:
 - 1. Formica Corporation (Design Basis)
 - 2. Panolam Industries International, Inc.
 - 3. Wilsonart International; Div. of Premark International, Inc.
 - 4. Approved substitute.
- B. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of architectural plastic-laminate cabinets indicated for construction, finishes, installation, and other requirements.
- C. Grade: Custom.
- D. Type of Construction: Frameless
- E. Cabinet, Door, and Drawer Front Interface Style: Flush overlay
- F. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by woodwork quality standard.

- G. Color and Texture: Storm Solidz 3505-SP, Sculpted
- H. Laminate Cladding for Exposed Surfaces:
 - 1. Horizontal Surfaces: Grade HGS.
 - 2. Vertical Surfaces: Grade HGS.
 - 3. Edges: PVC edge banding, 0.12 inch thick, matching laminate in color, pattern, and finish.
- I. Materials for Semiexposed Surfaces:
 - 1. Surfaces Other Than Drawer Bodies: Thermoset decorative panels.
 - a. Edges of Plastic-Laminate Shelves: PVC edge banding, 0.12 inch thick, matching laminate in color, pattern, and finish.
 - b. Edges of Thermoset Decorative Panel Shelves: PVC or polyester edge banding.
 - c. For semiexposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, NEMA LD 3, Grade VGS.
 - 2. Drawer Sides and Backs: Solid-hardwood lumber.
 - 3. Drawer Bottoms: Hardwood plywood
- J. Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure decorative laminate, NEMA LD 3, Grade BKL.
- K. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.
 - 1. Join subfronts, backs, and sides with glued rabbeted joints supplemented by mechanical fasteners or glued dovetail joints.
- L. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
 - 1. As indicated by on Finish Drawings.

2.2 WOOD MATERIALS

- A. Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.
 - 1. Wood Moisture Content: 5 to 10 percent.
- B. Composite Wood and Agrifiber Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated.
 - 1. Medium-Density Fiberboard: ANSI A208.2, Grade 130.

2. Softwood Plywood: DOC PS 1, medium-density overlay.
3. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1, made with adhesive containing no urea formaldehyde.
4. Thermoset Decorative Panels: Medium-density fiberboard finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for test methods 3.3, 3.4, 3.6, 3.8, and 3.10.

2.3 CABINET HARDWARE AND ACCESSORIES

- A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets except for items specified in related Division 8 Door Hardware Section.
- B. Frameless Concealed Hinges (European Type): BHMA A156.9, B01602, 135 degrees of opening, self-closing.
- C. Pulls: To be selected by Architect from manufacturers standard options.
- D. Catches: Magnetic catches, BHMA A156.9, B03141.
- E. Shelf Rests: BHMA A156.9, B04013; metal, two-pin type with shelf hold-down clip.
- F. Drawer Slides: BHMA A156.9.
 1. Grade 1 and Grade 2: Side mounted and extending under bottom edge of drawer type; zinc-plated steel with polymer rollers.
 2. Grade 1HD-100 and Grade 1HD-200: Side mounted; full-extension type; zinc-plated-steel ball-bearing slides.
 3. For drawers not more than 3 inches high and not more than 24 inches wide, provide Grade 2.
 4. For drawers more than 3 inches high but not more than 6 inches high and not more than 24 inches wide, provide Grade 1HD-100.
 5. For drawers more than 6 inches high or more than 24 inches wide, provide Grade 1HD-100.
- G. Door and Drawer Silencers: BHMA A156.16, L03011.
- H. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.
 1. To be selected by Architect from manufacturers standard options.
- I. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

2.4 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln dried to less than 15 percent moisture content.

- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
- C. Adhesives: Do not use adhesives that contain urea formaldehyde.

2.5 FABRICATION

- A. Sand fire-retardant-treated wood lightly to remove raised grain on exposed surfaces before fabrication.
- B. Fabricate cabinets to dimensions, profiles, and details indicated.
- C. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
 - 1. Notify Architect seven days in advance of the dates and times woodwork fabrication will be complete.
 - 2. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting. Verify that various parts fit as intended and check measurements of assemblies against field measurements before disassembling for shipment.
- D. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition cabinets to average prevailing humidity conditions in installation areas.
- B. Before installing cabinets, examine shop-fabricated work for completion and complete work as required.

3.2 INSTALLATION

- A. Grade: Install cabinets to comply with same grade as item to be installed.
- B. Assemble cabinets and complete fabrication at Project site to the extent that it was not completed in the shop.

- C. Install cabinets level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
- D. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork.
 - 1. Use filler matching finish of items being installed.
- F. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
 - 1. Install cabinets with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.
 - 2. Fasten wall cabinets through back, near top and bottom, and at ends not more than 16 inches o.c. with No. 10 wafer-head screws sized for not less than 1-1/2-inch penetration into wood framing, blocking, or hanging strips.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective cabinets, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.
- B. Clean, lubricate, and adjust hardware.
- C. Clean cabinets on exposed and semi-exposed surfaces.

END OF SECTION

DOOR HARDWARE

PART 1 - GENERAL

1.1 SECTION REQUIREMENTS

- A. Allowances: Refer to related Division 1 Section.
- B. Submittals: Hardware schedule and keying schedule.

PART 2 - PRODUCTS

2.1 HARDWARE

- A. Door Hardware will be selected to fall within allowance specified in Division 1 of Project Manual.
- B. Fire-Resistance-Rated Assemblies: Provide products that comply with NFPA 80 and are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction for applications indicated. On exit devices provide label indicating "Fire Exit Hardware."
- C. Refer to Door Schedules & Details Drawing for hardware components for each door.
- D. Hardware Finishes:
 - 1. Hinges: Matching finish of lockset/latchset.
 - 2. Locksets, Latchsets, and Exit Devices: Satin chrome plated.
 - 3. Closers: Matching finish of lockset/latchset.
 - 4. Other Hardware: Matching finish of lockset/latchset.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Mount hardware in locations required to comply with governing regulations and according to SDI A250.8 and DHI WDHS.3.
- B. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet.
- C. Deliver keys to Owner.

END OF SECTION

EPOXY TERRAZZO FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Thin-set Epoxy Terrazzo Flooring including preparation of substrates.
2. Thin-set precast epoxy terrazzo wall base units.
3. Related accessories.

1.2 SUBMITTALS

A. Manufacturer's product data for each type of terrazzo and accessory. System will be evaluated based on standards. For tests not listed in published data, manufacturer shall supply missing data according to standard referenced.

1. Physical properties.
2. Performance properties.
3. Specified tests.
4. Material Safety Data Sheet.
5. Manufacturer's standard warranty.

B. Shop Drawings. Include terrazzo installation requirements. Include plans, elevations, sections, component details and attachments to other work. Show layout of the following:

1. Divider strips.
2. Control- and expansion-joint strips.
3. Base and border strips.
4. Abrasive strips.
5. Precast terrazzo jointing and edge configurations including anchorage details.
6. Terrazzo patterns.
7. Full color drawings.

C. Samples for Initial Selection Manufacturer's color plates showing the full range of colors and patterns available for each terrazzo type indicated.

D. Samples for Verification: Match Architect's samples for each type, material, color and pattern of terrazzo and accessory required showing the full range of color, texture and pattern variations expected. Label each terrazzo sample to identify manufacturer's matrix color and aggregate types, sizes and proportions. Prepare samples of same thickness and from same material to be used for the Work in size indicated below:

1. Epoxy Terrazzo: minimum 6" x 6" (152.4 mm x 152.4 mm) sample of each color and type of terrazzo.
2. Precast Epoxy Terrazzo: minimum 6" x 6" (152.4 mm x 152.4 mm) sample of each color and type of terrazzo.

3. Accessories: 6" length (152.4 mm) of each kind of divider strip, stop strip and control joint strip required.
- E. Manufacturer Experience:
1. Submit proof of Associate membership in NTMA.
 2. Furnish a list of at least five (5) epoxy terrazzo projects using material being submitted for this project installed during the last five (5) years of the same scope, complexity and at least 50 percent of the square footage.
 3. Manufacturer must provide history of providing primary materials for a minimum of Ten (10) years.
- F. Qualification Data: For qualified Installer.
1. Submit proof of Contractor membership in NTMA.
- G. Material Test Reports: For moisture and/or relative humidity of substrate.
- H. Maintenance Data: Submit 2 copies of NTMA maintenance recommendations and 2 copies of manufacturer's instructions

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who is acceptable to architect and epoxy terrazzo manufacturer to install manufacturer's products.
1. Engage a terrazzo contractor with at least five (5) years of satisfactory experience in installation of epoxy terrazzo. Terrazzo contractor shall demonstrate experience during last five (5) years of at least (5) projects of comparable scope and complexity of at least 50 percent of the total square footage of this project
 2. Engage an installer who is a contractor member of NTMA.
- B. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Section 01200 – Project Meetings. Review methods and procedures related to terrazzo including, but not limited to, the following:
1. Inspect and discuss installation procedures, joint details, jobsite conditions, substrate specification, vapor barrier details and coordination with other trades.
 2. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 3. Review special terrazzo designs and patterns.
 4. Review dust control procedures.
 5. Review plans for concrete curing and site drying to enable timely achievement of suitable slab moisture conditions.
- C. NTMA Standards: Comply with NTMA's "Terrazzo Specifications and Design Guide" and with written recommendations for terrazzo type indicated unless more stringent requirements are specified.

- D. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Build mockups for terrazzo including accessories.
 - a. Size: Minimum 100 sq. ft. (9.3 sq. m.) of typical poured-in-place flooring and base condition for each color and pattern in locations directed by Architect.
 - 2. Approved mockups may become part of the completed Work if undistributed at time of Substantial Completion.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to Project site in supplier's original wrappings and containers, labeled with source's or manufacturer's name, material or product brand name and lot number if any.
- B. Store materials in their original, undamaged packages and containers, inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures and humidity.
 - 1. Storage temperatures should be between 50°F to 80°F.

1.5 PROJECT CONDITIONS

- A. Terrazzo contractor shall, prior to surface preparation:
 - 1. Evaluate slab condition, including slab moisture content and extent of repairs required, if any.
 - 2. Maintain the ambient room and floor temperature at 50°F or above for a period extending 72 hours before, during and after floor installation. Concrete to receive epoxy terrazzo shall have cured for at least 28 days. Test concrete substrate to determine acceptable moisture levels prior to installation. Testing should be conducted according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes).
- B. Prior to and during each day of installation, the terrazzo contractor shall verify that the dew point is at least 5°F (-15°C) less than the slab and air temperature.
- C. Acceptable Substrates:
 - 1. Flatness tolerance: Concrete sub-floor shall be level with a maximum variation from level of 1/4" in any 10 feet. Any irregularity of the surface requiring patching and/or leveling shall be done using terrazzo fill and selected aggregates as recommended by terrazzo flooring manufacturer.
 - 2. Concrete floor shall be prepared mechanically by shot blasting. Grinding of slab is not sufficient surface preparation. Surface preparation results should achieve a CSP3-CSP5 profile according to International Concrete Repair Institute Guideline No. 03732.
 - 3. Concrete floor shall receive a steel trowel finish.
 - 4. Concrete shall be cured a minimum of 28 days. No curing agents are to be used in areas to receive terrazzo.

5. Slab on Grade Concrete slab shall have an efficient moisture vapor barrier (suggested minimum: fiber reinforced 15 mils thickness) directly under the concrete slab. Moisture barrier shall NOT be punctured.
 6. Saw cutting of control joints must be done between 12 and 24 hours after placement of the structural concrete and at a frequency compatible to ACI recommendations.
- D. Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during terrazzo installation.
- E. Provide protection from other trades prior to final acceptance by owner.

PART 2 - PRODUCTS

2.1 EPOXY TERRAZZO

- A. Manufacturers: Subject to compliance with the requirements, provide products by one of the following:

1. Terrazzo & Marble Supply Companies, www.tmsupply.com (Terroxy Resin Systems - Design Basis)
2. Quadrant Chemical Corporation.
3. TEC Specialty Construction Brands

- B. Materials:

1. Primer: Moisture Vapor Treatment and Primer.
2. Moisture Mitigation System shall suppress a minimum of 91% Relative Humidity.
3. Flexible Reinforcing Membrane: Iso-Crack Epoxy Membrane, for substrate crack preparation and reflective crack reduction.
 - a. Reinforcement: Fiberglass scrim.
4. Epoxy Matrix: In color required for mix indicated.
 - a. Physical properties without aggregates. All specimens cured for 7 days at 75°F plus or minus 2°F and 50 percent plus or minus 2 percent RH. This product shall meet the following requirements:

Property	Test Method	NTMA Requirements	Thin-set Epoxy Terrazzo Typical Results
Hardness	ASTM D-2240 using Shore-D Durometer	60-85	75-85
Tensile Strength	ASTM D-638	3,000 psi min.	4,800 psi min.
Compressive Strength	ASTM D-695 Specimen B cylinder	10,000 psi min.	12,000 psi min.
Flexural Strength	ASTM D-790	Not specified	4,500 psi min.

Chemical Resistance	ASTM D-1308 seven days at room temperature by immersion method	No deleterious effects: <ul style="list-style-type: none"> ▪ Distilled Water ▪ Mineral Oil ▪ Isopropanol ▪ Ethanol ▪ 0.025 Detergent Solution ▪ 1% Soap Solution ▪ 10% Sodium Hydroxide ▪ 10% Hydrochloric Acid ▪ 30% Sulfuric Acid ▪ 5% Acetic Acid 	No deleterious effects: <ul style="list-style-type: none"> ▪ Distilled Water ▪ Mineral Oil ▪ Isopropanol ▪ Ethanol ▪ 0.025 Detergent Solution ▪ 1% Soap Solution ▪ 10% Sodium Hydroxide ▪ 10% Hydrochloric Acid ▪ 30% Sulfuric Acid ▪ 5% Acetic Acid
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- b. Physical properties with aggregates. For Epoxy Matrix blended with three volumes of Georgia White marble blended 60% #1 chip and 40% #0 chip, ground and grouted with epoxy resin according to Installation Specifications, finishing to a nominal 1/4" thickness. All specimens cured for 7 days at 75°F plus or minus 2°F and 50 percent RH plus or minus 2 percent RH. This finished Epoxy Matrix shall meet the following requirements:

Property	Test Method	NTMA Requirements	Thin-set Epoxy Terrazzo Typical Results
Flammability	ASTM D-635	Self-extinguishing, extent of burning 0.25 inches max.	Self-extinguishing, extent of burning 0.25 inches max.
Thermal Coefficient of Linear Expansion	ASTM D-696	25x10 ⁻⁶ inches per inch per degrees to 140°F	25x10 ⁻⁶ inches per inch per degrees to 140°F
Bond Strength	ACI COMM 403, Bulletin 59-43 (pages 1139-1141)	300 psi (100% concrete failure)	300 psi (100% concrete failure)

5. Aggregates: Marble, Post Consumer Glass, and Fresh Water Mother of Pearl Complying with NTMA gradation standards for mix indicated and containing no deleterious or foreign matter.
- a. Abrasion and Impact Resistance: Less than 40 percent loss per ASTM C 131.
 - b. 24-Hour Absorption Rate: Less than 0.74 percent.
 - c. Dust Content: Less than 1.0 percent by weight.
 - d. Post-consumer Recycled Content: 30% percent.
6. Finishing Grout: Epoxy Matrix or Clear Resin as recommended by terrazzo flooring manufacture.
- C. Mix: Comply with NTMA's "Terrazzo Specifications and Design Guide" and manufacturer's written instructions for matrix and aggregate proportions and mixing.
1. Color and Pattern Schedule: Where the following designations are indicated, provide specified terrazzo matrices matching architect's samples:
 2. Mixture Guidelines:

- a. All Colors: 100% domestic marble aggregate. Terrazzo filler shall be Clear Glass Fines. Sample to be approved by architect. Adjustments of proportions to individual colors may be necessary to obtain the intended appearance. No additional cost shall be charged to the owner if overall proportions for entire project remain within specified above.
- b. Exact colors will be selected by Architect. Refer to Architectural Drawings.

2.2 STRIP MATERIALS

A. Thin-set Divider Strips: L-type.

1. Material: White-zinc alloy
2. Guide for commonly used L-type divider strips for Thin-set Epoxy Terrazzo Systems:

System Height	Strip Height	Strip Width
3/8" System	3/8"	1/8"

- B. Control-Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8"-1/4" width between.
- C. Construction-Joint (Cold-Joint) Strips: Separate double L-type angles back to back with minimum 1/8"-1/4" width between. Fill joint and area between strips with elastomeric joint filler. Match material, thickness and color of divider strips and depth required for topping thickness indicated.
- D. Isolation-Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8"-1/4" width between. Fill area between strips with elastomeric joint filler. Match material, thickness and color of divider strips and depth required for topping thickness indicated.
- E. Accessory Strips: Match divider strip width, material and color unless otherwise indicated. Use the following types of accessory strips as required to provide a complete installation:
 1. Base-bead strips for exposed top of terrazzo base.
 2. Edge-bead for exposed edges of terrazzo.

2.3 MISCELLANEOUS ACCESSORIES

- A. Strip Adhesive: 100% solids epoxy resin adhesive recommended by terrazzo flooring manufacture.
 1. Use adhesive that has a VOC content of 50g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- B. Anchoring Devices:

1. Strips: Provide mechanical anchoring devices for strip materials as required for secure attachment to substrate.
 2. Precast Terrazzo: Provide mechanical anchoring devices as recommended by Terrazzo Contractor for proper anchorage and support of units for conditions of installation and support.
- C. Patching and Fill Material: Fill and selected aggregates as recommended by terrazzo flooring manufacturer.
- D. Joint Compound: Terrazzo flooring manufacturer recommended joint filler, color to be selected by architect to match/compliment terrazzo.
- E. Cleaner: Terrazzo flooring manufacturer recommended neutral cleaner with pH factor between 7 and 10 specifically designed for terrazzo.

2.4 PRECAST TERRAZZO

- A. Precast Terrazzo Units: Precast epoxy terrazzo base units.
1. Manufacturers: Must be associate members of the NTMA. Subject to compliance with requirements, provided products acceptable to architect.
- B. Precast Terrazzo Base Units: 3/8" thick, cast in maximum lengths possible, but not less than 36" (900 mm).
1. Type: Flat
 2. Height: 6"
 3. Outside Corner Units: With finished returned edges at outside corner.
 4. Color and Pattern: Match adjacent poured-in-place terrazzo flooring.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and areas, with Terrazzo Contractor present, for compliance with requirements for installation tolerances and other conditions affecting performance.
- B. Proceed with installation only after unsatisfactory conditions, including level tolerances, have been corrected.

3.2 PREPARATION

- A. Clean substrates of substances, including oil, grease and curing compounds, that might impair terrazzo bond. Provide clean, dry and neutral substrate for terrazzo application.
- B. Concrete Slabs:

1. Provide sound concrete surface free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil and other contaminants incompatible with terrazzo.
 - a. Prepare concrete mechanically by shot blasting, Grinding of slab is not sufficient surface preparation. Surface preparation results should achieve a CSP3-CSP5 profile according to International Concrete Repair Institute Guideline No. 03732.
 - b. Repair, level or flatten damaged and deteriorated concrete following Terrazzo flooring manufacturer written recommendations or technical bulletins.
 - c. Repair cracks and non-expansion joints greater than 1/16" (1.6 mm) wide following terrazzo flooring manufacturer written recommendations or technical bulletins.
2. Verify that concrete substrates are visibly dry and free of moisture.
3. Moisture Testing:
 - a. Test for moisture according to ASTM F2170 (determining relative humidity in concrete slabs using in situ probes).
 - b. Protect other work from dust generated by grinding operations. Control dust to prevent air pollution and comply with environmental protection regulations.
4. Erect and maintain temporary enclosures and other suitable methods to limit dust migration and to ensure adequate ambient temperatures and ventilation conditions during installation.

3.3 EPOXY TERRAZZO INSTALLATION

A. General:

1. Comply with NTMA's written recommendations for terrazzo and accessory installation.
2. Place, rough grind, grout, cure grout, fine grind and finish terrazzo following Terrazzo flooring manufacturer written recommendations or technical bulletins.
3. Ensure that matrix components and fluids from grinding operations do not stain terrazzo by reacting with divider and control-joint strips.
4. Delay fine grinding until heavy trade work is complete and construction traffic through area is restricted.

B. Thickness: 1/4 inch

C. Moisture Vapor Treatment: Apply to terrazzo substrates.

D. Primer: Apply to terrazzo substrates.

E. Flexible Reinforcing Membrane

1. Membrane application for isolated cracking. Route out all cracks and fill with 100% solids epoxy. Apply Iso-Crack Epoxy Membrane (spread at 40 mils thickness) across the crack allowing a minimum of 12 inches on either side. Imbed fiberglass scrim on top wet membrane. Allow for 10% of total terrazzo square footage in lineal feet of crack detailing. Ex) 10,000 SF allow for 1,000 LF of crack detailing. 1LF of crack detailing shall allow for 2 SF of Iso-Crack

Epoxy Membrane, 1 SF on each side of the crack or control joint. Terrazzo Contractor shall provide upfront unit cost in bid for Full Membrane application.

- F. Strip Materials:
 - 1. Divider and Accessory Strips:
 - a. Install strips in adhesive setting bed without voids below strips or mechanically anchor strips as required to attach strips to substrate.
 - b. Control-Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8"-1/4" width between.
 - c. Construction-Joint (Cold-Joint) Strips: Separate double L-type angles, positioned back to back with minimum 1/8"-1/4" width between. Fill joint and area between strips with elastomeric joint filler. Match material, thickness and color of divider strips and depth required for topping thickness indicated.
 - d. Isolation-Joint Strips: Separate double L-type angles, positioned back to back with minimum 1/8"-1/4" width between. Fill area between strips with elastomeric joint filler. Match material, thickness and color of divider strips and depth required for topping thickness indicated.
- G. Placing Terrazzo:
 - 1. Mix epoxy matrix with chips and fillers in ratios directed by terrazzo flooring manufacturer.
 - 2. Trowel apply terrazzo mixture over epoxy primer to provide a dense flat surface to top of divider strips. Allow to cure per terrazzo flooring manufacturer recommendations before rough grinding.
- H. Rough Grinding: Grind with 24 grit silicon carbide or D-36 Diamond matrix stones until all
 - 1. Terrazzo strips and marble chips are uniformly exposed.
- I. Grouting:
 - 1. Cleanse floor with clean water and rinse.
 - 2. Remove excess rinse water by wet vacuum, dry and fill voids with epoxy matrix or clear resin.
 - 3. Allow grout to cure. Grout may be left on terrazzo until other trades work is completed.
- J. Polishing: Grind with 120 grit or finer stones until all grout is removed from surface. Repeat rough grinding, grout coat and polishing if large terrazzo chip voids exist after initial polishing. Produce surface with a minimum of 70 percent aggregate exposure.

3.4 PRECAST TERRAZZO INSTALLATION

- A. Install precast units using method recommended by NTMA and manufacturer unless otherwise indicated.
- B. Seal joints between units with joint sealants.

3.5 CLEANING AND PROTECTION

- A. Cleaning: Remove grinding dust from installation and wash all surfaces with terrazzo flooring manufacturer cleaner.

- B. Protection: Protect terrazzo against damage or deterioration until substantial completion inspection.

END OF SECTION

CARPETING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes the following as indicated on Finish Drawings.
 - 1. Carpet tile

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to carpet installation including, but not limited to, the following:
 - a. Review delivery, storage, and handling procedures.
 - b. Review ambient conditions and ventilation procedures.
 - c. Review subfloor preparation procedures.

1.3 ACTION SUBMITTALS

- A. Product Data: For the following, including installation recommendations for each type of substrate:
 - 1. Carpet: For each type indicated. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
- B. Shop Drawings: Show the following:
 - 1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet.
 - 2. Carpet type, color, and dye lot.
 - 3. Locations where dye lot changes occur.
 - 4. Seam locations, types, and methods.
 - 5. Type of subfloor.
 - 6. Type of installation.
 - 7. Pattern type, repeat size, location, direction, and starting point.
 - 8. Pile direction.
 - 9. Type, color, and location of insets and borders.
 - 10. Type, color, and location of edge, transition, and other accessory strips.
 - 11. Transition details to other flooring materials.
- C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.

1. Carpet: 12-inch-square Sample.
2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch-long Samples.
3. Carpet Seam: 6-inch Sample.
4. Mitered Carpet Border Seam: 12-inch-square Sample. Show carpet pattern alignment.

D. Product Schedule: For carpet . Use same designations indicated on Drawings.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Product Test Reports: For carpet for tests performed by a qualified testing agency.
- C. Sample Warranties: For special warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet to include in maintenance manuals. Include the following:
 1. Methods for maintaining carpet, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
 2. Precautions for cleaning materials and methods that could be detrimental to carpet.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 1. Carpet: 1 box of tile for each type of carpet.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced Installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II Master II certification level.
- B. Fire-Test-Response Ratings: Where indicated, provide carpet identical to those of assemblies tested for fire response per NFPA 253 by a qualified testing agency.
- C. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.
 1. Build mockups at locations and in sizes shown on Drawings.

2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Comply with CRI 104.

1.9 FIELD CONDITIONS

- A. Comply with CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at occupancy levels during the remainder of the construction period.
- C. Do not install carpet over concrete slabs until slabs have cured, are sufficiently dry to bond with adhesive, and have pH range recommended by carpet manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet, install carpet before installing these items.

1.10 WARRANTY

- A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet installation that fail in materials or workmanship within specified warranty period.
 1. Warranty does not include deterioration or failure of carpet due to unusual traffic, failure of substrate, vandalism, or abuse.
 2. Failures include, but are not limited to, more than 10 percent loss of face fiber, edge raveling, snags, runs, loss of tuft bind strength, excess static discharge, and delamination.
 3. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CARPET TILE

- A. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Finish Plan or approved substitute.
- B. Color/Pattern: As indicated on Finish Drawings.
- C. Primary Backing/Backcoating: Manufacturer's standard synthetic.
- D. Secondary Backing: PVC free.

- E. Tile Size: As indicated on Finish Drawings.
- F. Applied Soil-Resistance Treatment: Manufacturer's standard material.
- G. Antimicrobial Treatment: Manufacturer's standard material.
- H. Performance Characteristics – Carpet Tile: As follows:
 - 1. Pattern Repeat: None
 - 2. Construction: multi level pattern loop
 - 3. Dye: Combination of solution and yarn dyed
 - 4. Tufted weight: 18
 - 5. Gauge: 1/10
 - 6. Total thickness 0.242
 - 7. Electrostatic Propensity (AATCC 134): Less than 3.5 kV
 - 8. Resistance to Insects AATCC 24: Complies.
 - 9. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.

2.2 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet and is recommended or provided by carpet manufacturer carpet manufacturers.
- C. Seam Adhesive: Hot-melt adhesive tape or similar product recommended by carpet manufacturer for sealing and taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.
- D. Adhesive Dot System (Studio): Shaw Lok-Dots system or approved substitute.
- E. Metal Edge/Transition Strips: Aluminum as indicated on Finish Drawings.
- F. Carpet Moldings: Rubber as indicated on Finish Drawings.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet performance. Examine carpet for type, color, pattern, and potential defects.
- B. Concrete Subfloors: Verify that concrete slabs comply with ASTM F 710 and the following:

1. Slab substrates are dry and free of curing compounds, sealers, hardeners, and other materials that may interfere with adhesive bond. Determine adhesion and dryness characteristics by performing bond and moisture tests recommended by carpet manufacturer.
 2. Subfloor finishes comply with requirements specified in Division 03 Section "Cast-in-Place Concrete" for slabs receiving carpet.
 3. Subfloors are free of cracks, ridges, depressions, scale, and foreign deposits.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. General: Comply with CRI 104, Section 7.3, "Site Conditions; Floor Preparation," and with carpet manufacturer's written installation instructions for preparing substrates.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch, unless more stringent requirements are required by manufacturer's written instructions.
- C. Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents.
- D. Broom and vacuum clean substrates to be covered immediately before installing carpet.

3.3 INSTALLATION

- A. Comply with CRI 104 and carpet manufacturer's carpet manufacturers' written installation instructions for the following:
1. Direct-Glue-Down Installation: Comply with CRI 104, Section 9, "Direct Glue-Down Installation."
- B. Comply with carpet manufacturer's written recommendations and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.
- C. Do not bridge building expansion joints with carpet.
- D. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.
- E. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use nonpermanent, nonstaining marking device.
- G. Install pattern parallel to walls and borders to comply with CRI 104, Section 15, "Patterned Carpet Installations" and with carpet manufacturer's written recommendations.

3.4 CLEANING AND PROTECTING

- A. Perform the following operations immediately after installing carpet:
 - 1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
 - 2. Remove yarns that protrude from carpet surface.
 - 3. Vacuum carpet using commercial machine with face-beater element.
- B. Protect installed carpet to comply with CRI 104, Section 16, "Protecting Indoor Installations."
- C. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet manufacturer and manufacturer and carpet adhesive manufacturer.

END OF SECTION

WALL COVERINGS

1.1 SCOPE

- A. Provide labor, materials, equipment and services to furnish and install the wall covering.

1.2 QUALITY ASSURANCE

- A. Field-constructed mock-ups: Before installation, prepare mock-ups for each finish on substrates required to verify selections made under sample submittals. Approved mock-ups set quality standards for installation and aesthetic effect. Comply with the following:
 - 1. Use specified materials.
 - 2. Locate mock-ups as directed by the Architect.
 - 3. Retain and maintain the mock-ups in undisturbed condition as a standard for judging completed Work.
 - a. Accepted mock-ups in undisturbed condition at time of Substantial Completion may become part of the completed Work.

1.3 SUBMITTALS

- A. Prior to fabrication, submit to the Architect for review the following:
 - 1. Manufacturer's material specifications and installation instructions for each type of wallcovering and accessories.
 - 2. 12" square samples of each type of wall covering. Architect's review of samples shall be for design, color, texture and pattern.
 - 3. Shop drawings showing location and extent of each type of wall covering. Indicate termination points.
 - 4. Maintenance and operation manual: Manufacturer's printed instructions for maintenance of the wall covering. This shall include, but not be limited to, name of manufacturer, material brand name, color and texture designation, and precautions for the use of cleaning materials and methods which could damage the wall covering.

1.4 PROJECT CONDITIONS

- A. Maintain a constant temperature not less than 60 degree F in installation areas for at least 10 days before and 10 days after installation.

1.5 EXTRA MATERIALS

- A. Furnish extra materials from same production runs as wall covering installed. Package materials with protective covering and identify with labels describing contents. Deliver extra materials to Owner.
 - 1. Rolls: Furnish quantity of full-size units equal to 10% of amount installed.

PART 2 - PRODUCTS

2.1 WALL COVERING

- A. Subject to requirements of this project provide products by manufacturer indicated on Finish Drawings or approved substitute.
- B. Description
 - 1. Style, Color; Size: Indicated on Finish Drawings
 - 2. Content: 100% Olefin Composite
 - 3. Finish: Stain- and abrasion-resistant treatment
 - 4. Backing: Dense Polyester/Cotton

2.2 ADHESIVE

- A. Manufacturer's recommended adhesive, primer and sealer, manufactured expressly for use with the selected wall covering.
 - 1. Provide materials which are mildew resistant, nonstaining and strippable. to the wall covering.

2.3 ACCESSORIES

- A. Metal molding: Comply with ASTM B 221, aluminum alloy 6063-T5 for extrusions, finish AA-M31A31, with one-piece cap and wall flange tapering to feather edge.
- B. Wall liner to correct inadequate substrate: Manufacturer's standard non-woven, synthetic underlayment.

2.4 OTHER MATERIALS

- A. All other materials, not specifically described but required for a complete and proper installation of wall covering, shall be as selected by the Contractor subject to the approval of the Architect.

PART 3 - EXECUTION

3.1 WALL PREPARATION

- A. Where wall covering is scheduled to be installed, carefully prepare the wall surfaces in strict accordance with the manufacturer's recommendations.
 - 1. Prepare substrates to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, and defects.
 - 2. Painted surfaces: Treat areas susceptible to pigment bleeding.
 - 3. Metals: If not factory-primed, clean and apply rust inhibitive zinc primer.
 - 4. Moisture content: Maximum of 5% on new plaster, concrete, and concrete masonry units when tested with an electronic moisture meter.

5. Prime new gypsum board with a recommended primer.
 6. All new plaster to cure. Treat areas of high alkalinity.
- B. Check painted surfaces for pigment bleeding. Sand gloss, semi-gloss, and eggshell finishes with fines and paper.
 - C. At unsuitable substrates, install wall liner, with no gaps or overlaps, where required by wall covering manufacturer. Form smooth wrinkle-free surface for finished installation. Do not begin wall covering installation until wall liner has dried.
 - D. Acclimatize wall covering materials by removing them from packaging in the installation areas not less than 24 hours before installation.

3.2 INSTALLATION

- A. Follow manufacturer's printed instructions for installation.
- B. Install wall covering with no gaps and overlaps.
- C. Install seams vertical and plumb at least 6" from outside corners and 3" from inside corners. Horizontal seams are not acceptable.
- D. Remove air bubbles, wrinkles, blisters, and other defects.
- E. Trim edges for color uniformity, pattern match, and tight closure at seams and edges. Butt seams. Do not overlap.
- F. Spread the adhesive and hang the wall covering, both in strict accordance with the manufacturer's recommendations. Remove excess adhesive along finished seam immediately after each wallcovering strip has been applied and air pockets and wrinkles are removed.
- G. If defective material is discovered in the bolt, discard the defective portions.
- H. Properly match all patterns and achieve a uniformly smooth finish surface, completely free from wrinkles and with all wall covering firmly attached to the substrate.
- I. Install each roll in sequence and each strip in the same sequence as cut from the roll.
- J. Install moldings in longest practical lengths. Adhere to substrate. Butt end joints and miter corners.

3.3 CLEANING UP

- A. After hanging, immediately clean all wall covering surfaces, removing all traces of adhesive and soil.
- B. Do not use carbon-tetrachloride, cleaning solvents, or any other cleaning agent not specifically recommended by the manufacturer of the wall covering. Protect seams from moisture while cleaning.

- C. Remove any evidence of adhesive residue from adjacent surfaces.

END OF SECTION

CONVEYORS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes the following conveyor types:
 1. Pallet Loop
 2. Check-in

1.2 ACTION SUBMITTALS

- A. Product Data: Include capacities, sizes, performances, safety features, finishes, and similar information.
- B. Shop Drawings:
 1. Include plans, elevations, sections, and details indicating coordination with building structure and relationships with other construction.
 2. Indicate maximum loads imposed on building structure at points of support and power requirements.
 3. Indicate access and ventilation for conveyor machine space.
- C. Samples for Initial Selection: For exposed materials involving color selection.
- D. Delegated-Design Submittal: For conveyors.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Manufacturer Certificates: Signed by manufacturer, certifying that conveyor layout and dimensions, as shown on Drawings, and electrical service, as shown and specified, are adequate for conveyor system being provided.
- C. Sample Warranty: For special warranty.

1.4 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For conveyors to include in emergency, operation, and maintenance manuals.
- B. Inspection and Acceptance Certificates and Operating Permits: As required by authorities having jurisdiction for normal, unrestricted conveyor use.

- C. Continuing Maintenance Proposal: Submit a continuing maintenance proposal, from Installer to Owner, in the form of a standard five-year maintenance agreement, starting on date initial maintenance service is concluded. State services, obligations, conditions, and terms for agreement period and for future renewal options.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Conveyor manufacturer or an authorized representative who is trained and approved by manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle materials, components, and equipment in manufacturer's protective packaging. Store materials, components, and equipment off of ground, under cover, and in a dry location.

1.7 COORDINATION

- A. Coordinate installation of sleeves, block outs, conveyor equipment with integral anchors, and other items that are embedded in concrete or masonry for conveyor equipment. Furnish templates, sleeves, conveyor equipment with integral anchors, and installation instructions; deliver to Project site in time for installation.
- B. Coordinate locations and dimensions of other work relating to conveyors, including electrical outlets, lights, and switches in pits; and electrical service.

1.8 WARRANTY

- A. Manufacturer's Special Warranty: Manufacturer agrees to repair, restore, or replace conveyor work that fails in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, operation or control system failure, including excessive malfunctions; performances below specified ratings; excessive wear; unusual deterioration or aging of materials or finishes; unsafe conditions; the need for excessive maintenance; abnormal noise or vibration; and similar unusual, Two year(s) from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Subject to requirements of this project provide products by G& S Airport Conveyor, <https://gsairportconveyor.com/> or approved substitute.
- B. Pallet Loop Conveyor
 - 1. Recirculating

2. Visible Surfaces: 12-gauge, 304 stainless steel, #4 brushed finish
3. Concealed Surfaces: 12-gauge, mild steel, galvanized.
4. Suitable for baggage claim and baggage make-up functions
5. Normal Operating Speed: 90 feet per minutes
 - a. Speed adjustable down to 1 to 2 feet per minute for inspection and maintenance.
6. Dead Weight Capacity: 250 pounds per foot
7. Live Load Capacity: 85 pounds per foot.
8. Designed for open center area to be closed and finished.
9. Access hatch over motor/gearbox for regular maintenance.

C. Check-In Conveyor

1. Belt Width: 48-inches
2. Slider Bed Module: 12-gauge steel
3. Tail Section: 15-inches-long with removable cover plates, 12-gauge stainless steel, #4 brushed finish.
4. Drive Section: 48-inches-long with removable cover plates, 12-gauge stainless steel, #4 brushed finish.
5. Motorized pulley, low-noise and easy maintenance.

2.2 EXAMINATION

- A. Examine conveyor areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine supporting structure, machine spaces, and pits; verify critical dimensions; and examine conditions under which conveyors are to be installed.
- C. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

2.3 INSTALLATION

- A. Comply with manufacturer's written instructions.
- B. Set conveyors true to line and level, properly support, and anchor to building structure. Use established benchmarks, lines, and levels to ensure dimensional coordination of the Work.
- C. Adjust installed components for smooth, efficient operation, complying with required tolerances and ensuring they are free of hazardous conditions. Lubricate operating parts, including bearings, tracks, chains, guides, and hardware. Test operating devices, equipment, signals, controls, and safety devices.

- D. Repair damaged finishes so no evidence remains of correction work. Return items to the shop that cannot be refinished in the field, make required repairs, and refinish entire unit, or provide new units as required.

2.4 FIELD QUALITY CONTROL

- A. Acceptance Testing: On completion of conveyor installation and before permitting conveyor use, perform acceptance tests as required and recommended by authorities having jurisdiction.
- B. Advise Owner, Architect, and authorities having jurisdiction in advance of dates and times that tests are to be performed.

2.5 MAINTENANCE SERVICE

- A. Initial Maintenance Service: Beginning at Substantial Completion, maintenance service shall include 5 years full maintenance by skilled employees of conveyor Installer. Include monthly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper conveyor operation. Parts and supplies shall be manufacturer's authorized replacement parts and supplies.
 - 1. Perform maintenance during normal conveyor operation working hours.
 - 2. Perform emergency callback service during normal working hours, with response time of two hours or less.
 - 3. Include 24-hour-per-day, seven-day-per-week emergency callback service, with response time of two hours or less.

2.6 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to operate, adjust, and maintain conveyors.
- B. Check operation of conveyors with Owner's personnel present before date of Substantial Completion and within one month before end of warranty period. Determine that operating systems and devices are functioning properly.

END OF SECTION

SECTION 34 7736
BAGGAGE SCALES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Baggage scales including digital indicators for passenger ticketing counters.

B. Related Requirements:

1. Section 06 4023 "Interior Architectural Woodwork" for ticketing counters into which baggage scales integrate.

1.2 COORDINATION

- A. Coordinate size and installation of baggage scale platform with Ticketing Counter millwork.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include details, material descriptions, dimensions of individual components, profiles and finishes.

1. Provide NTEP approval documents for scales and indicators.

B. Shop Drawings:

1. Include plans, sections, power and communication wiring details.

1.4 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For baggage scales to include in operation and maintenance manuals.

1.5 WARRANTY

- A. Manufacturer's Special Warranty: Manufacturer agrees to repair or replace baggage scales that fail in materials or workmanship within specified warranty period.

1. Warranty Period: 2 years from date of Substantial Completion.

SECTION 34 7736
BAGGAGE SCALES

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain baggage scales from single source from single manufacturer.

2.2 BAGGAGE SCALES

- A. Baggage Scales at Ticketing Counters: Super heavy duty, low profile, scale and displays for weighing passenger baggage.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Pennsylvania Scale Company; M6600 or comparable product by one of the following:

- a. ATRAX Group.
- b. AveryWeigh-Tronix.
- c. Mettler Toledo.
- d. Triner Scale & Manufacturing Co., Inc.

2. Size: Nominal 24 inches wide by 30 inches deep. Coordinate exact platform size with well provided as part of Ticketing counter.

3. Height: 3 inches.

4. Construction: All stainless-steel including load cells and hardware.

5. Platform Cover: Black powder coated, heavy duty, smooth plate, stainless steel.

6. Load Cells: Four Sensortronics™ or premium load cells; NTEP approved for commercial applications.

7. Calibration: Pre-calibrated; 500 x 0.2 lbs.

8. Overweight Function: Capable of being user defined in software provided.

9. Displays: Two; one with ZERO/UNITS/PRINT buttons on agent side and one without buttons on passenger side.

10. Power: 110-120 VAC; heavy duty industrial, 3-prong power cord; length as required.

SECTION 34 7736
BAGGAGE SCALES

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine roughing-in for electrical systems for baggage scale to verify actual locations of connections before equipment installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

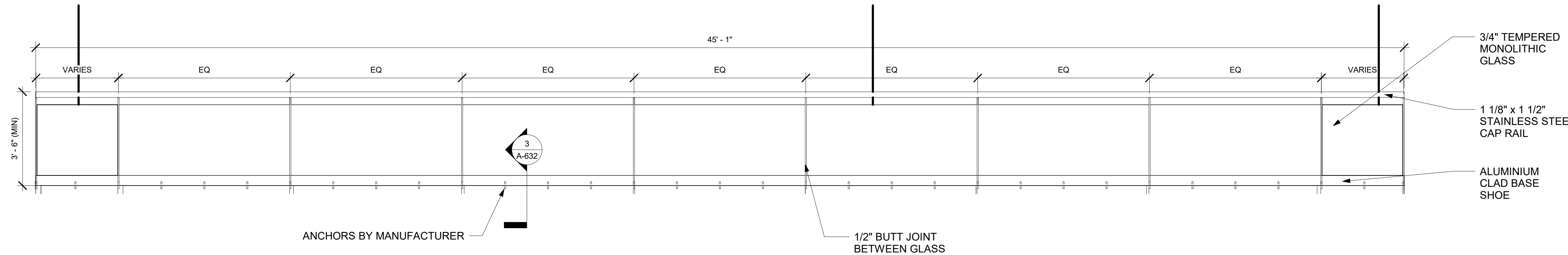
3.2 INSTALLATION, GENERAL

- A. Install baggage scales and indicators as required for a complete installation including electrical connections and integration within casework.

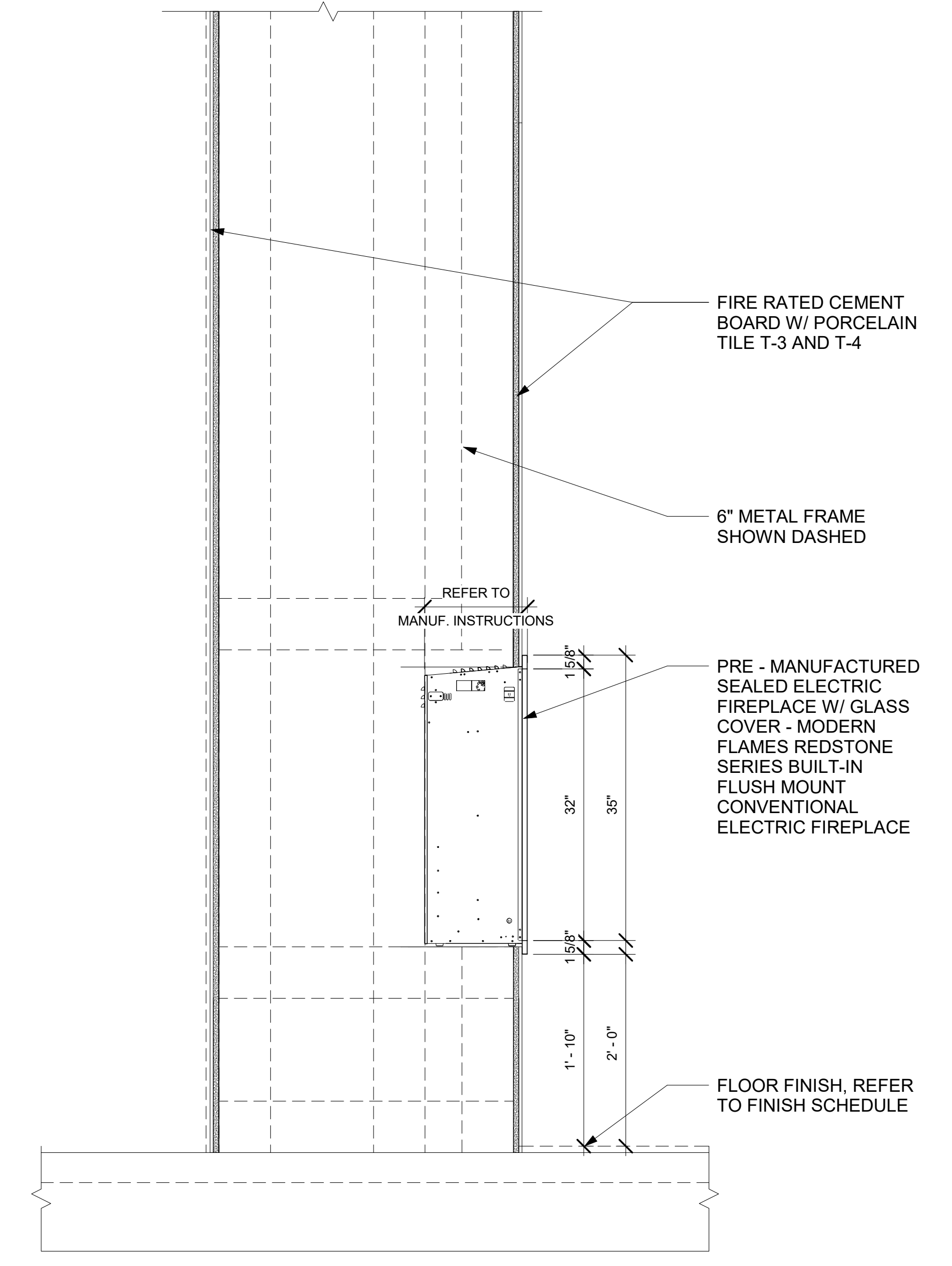
3.3 ADJUSTING

- A. A. Adjust baggage scale to function smoothly and safely as recommended by manufacturer.
- B. Test baggage scales within the operating weight range indicated.

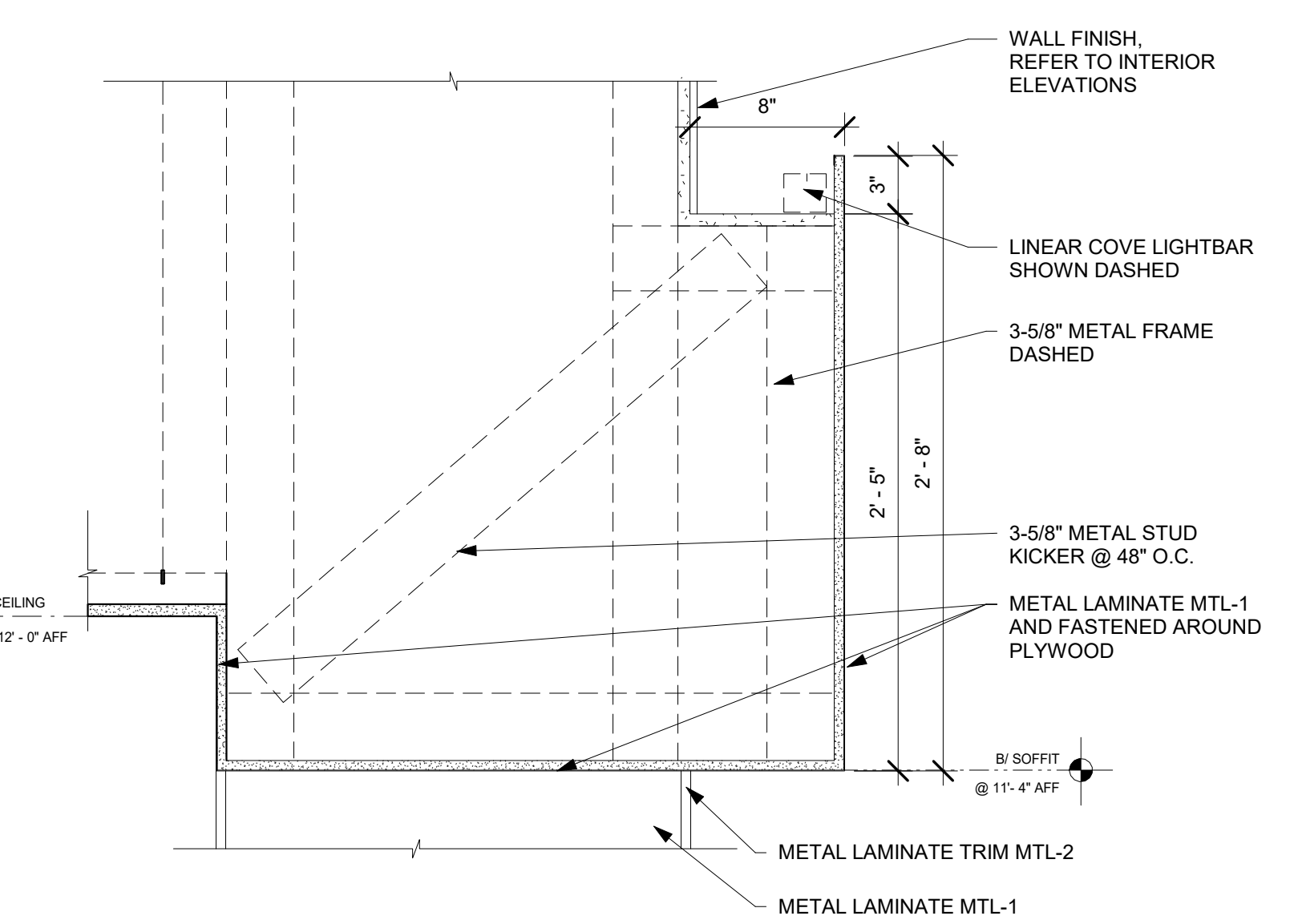
END OF SECTION



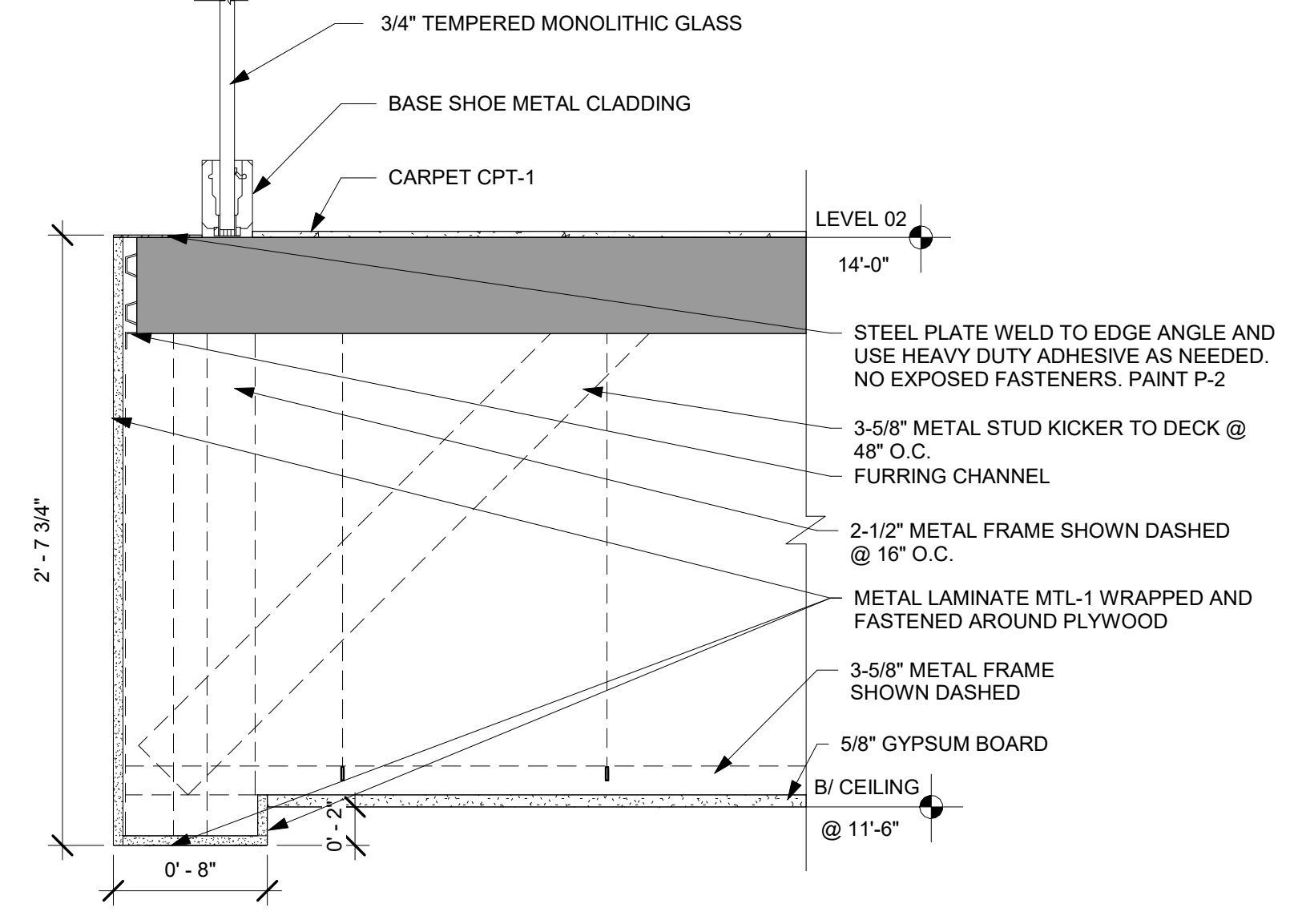
1 ELEVATION DETAIL @ GLASS GUARD RAIL
 1/2" = 1'-0"



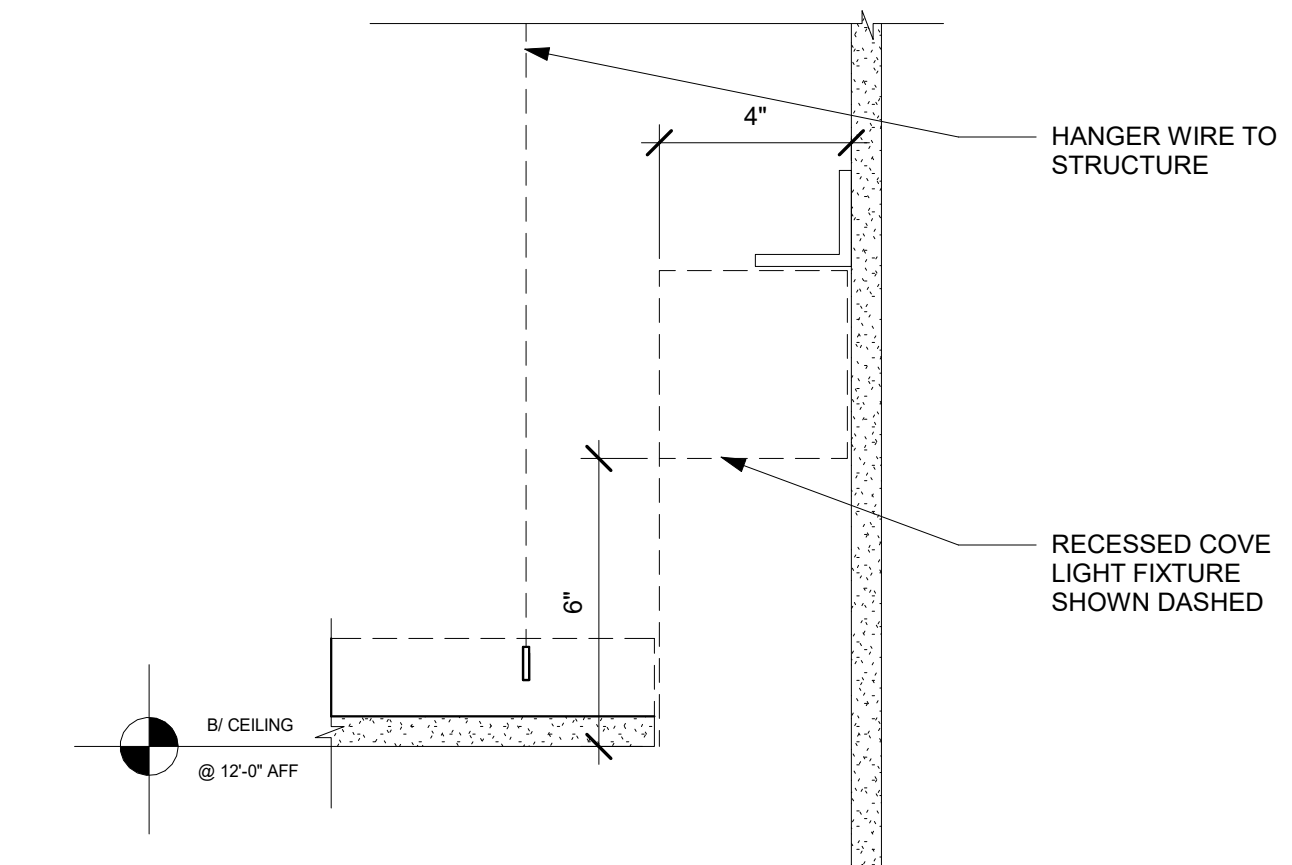
8 FIREPLACE DETAIL @ STERILE AREA
 1" = 1'-0"



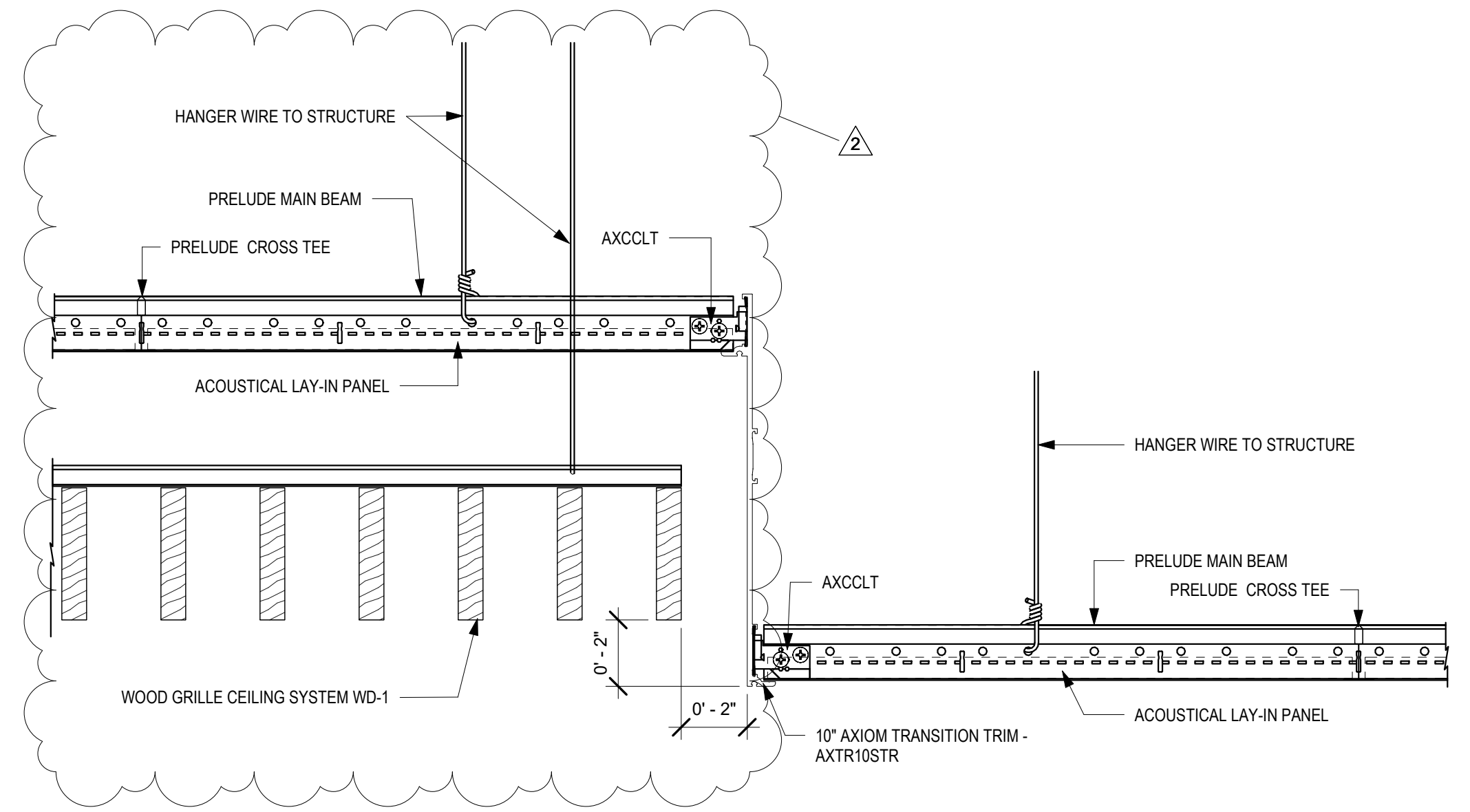
2 SOFFIT DETAIL @ LOBBY
 1 1/2" = 1'-0"



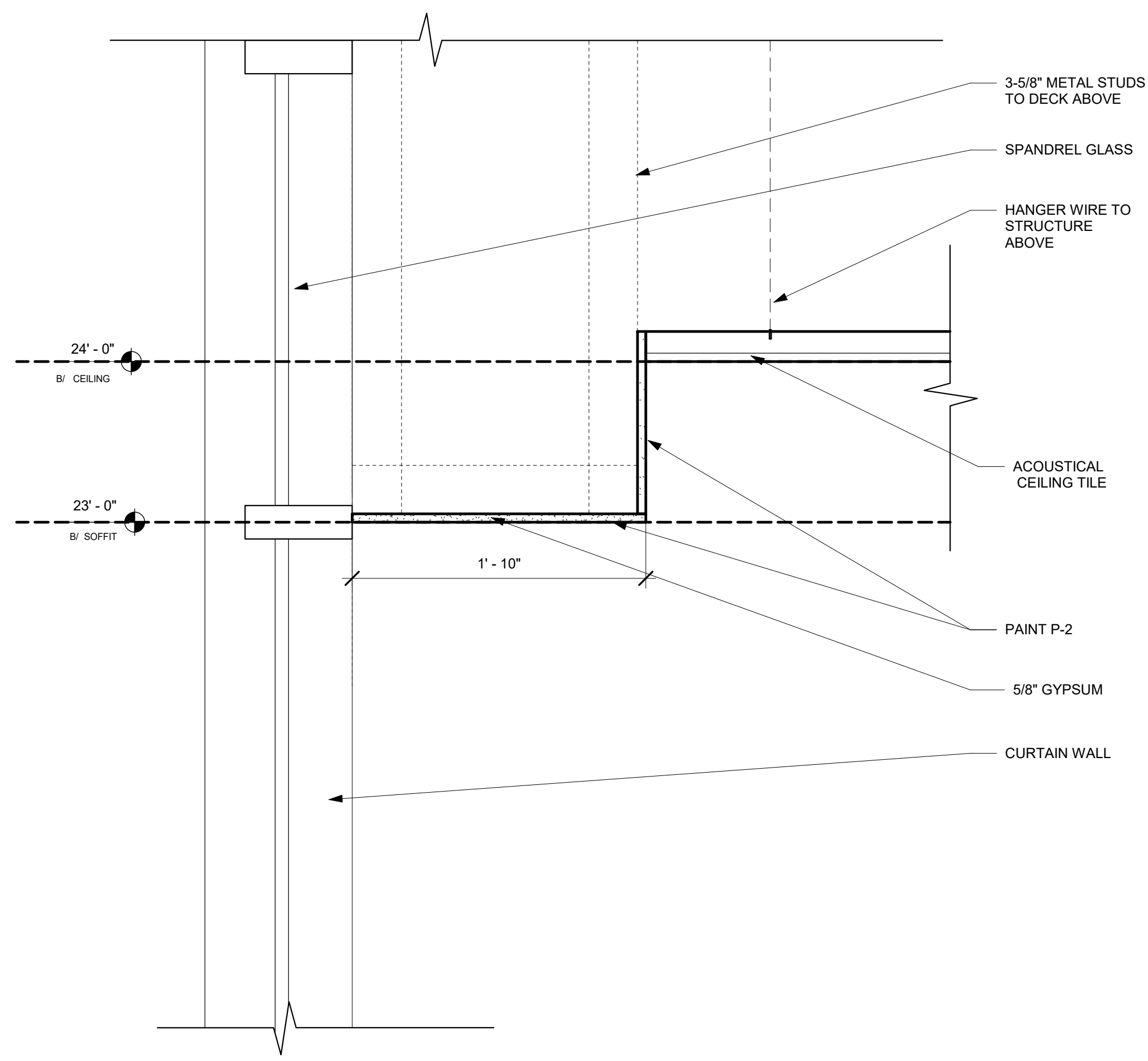
3 SOFFIT & GUARD RAIL DETAIL @ LOBBY
 1 1/2" = 1'-0"



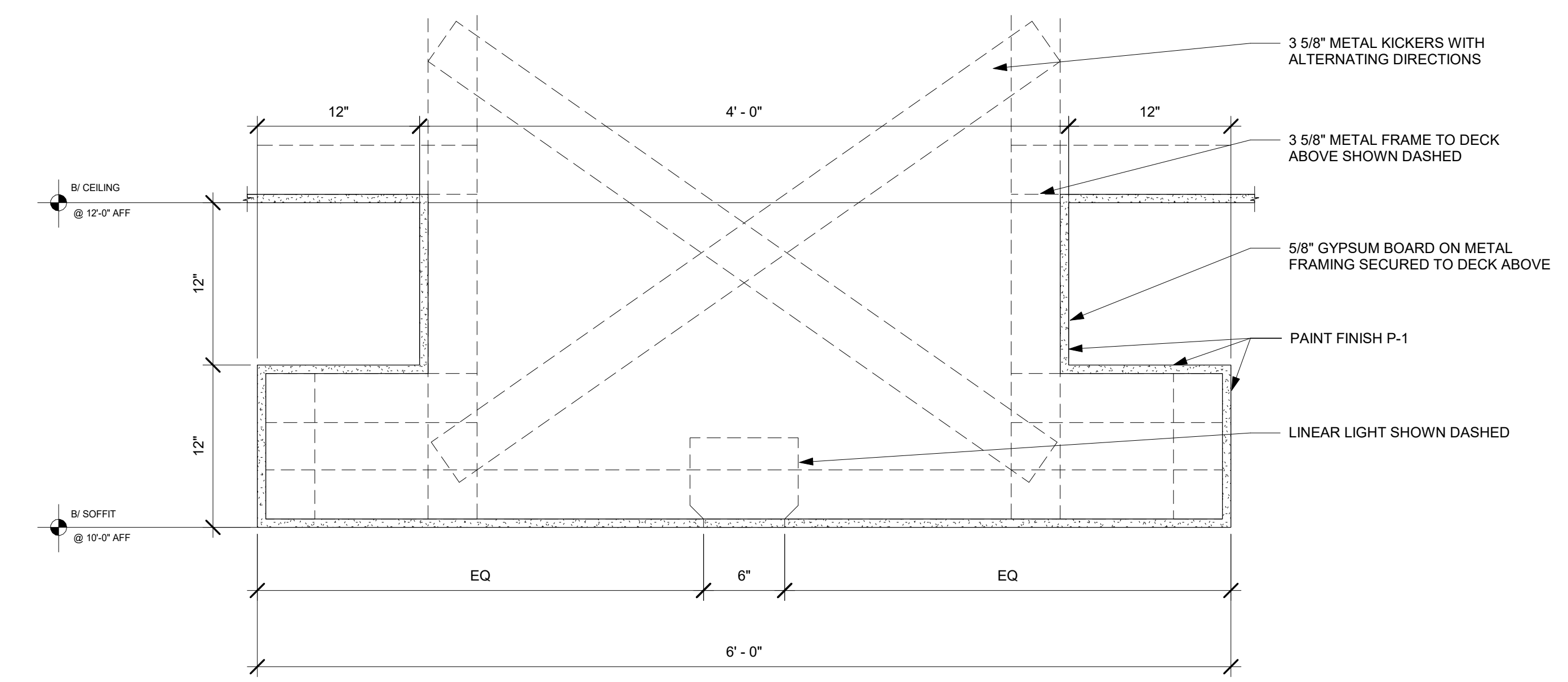
6 CEILING POCKET DETAIL @ CHECK-IN COUNTER
 3" = 1'-0"



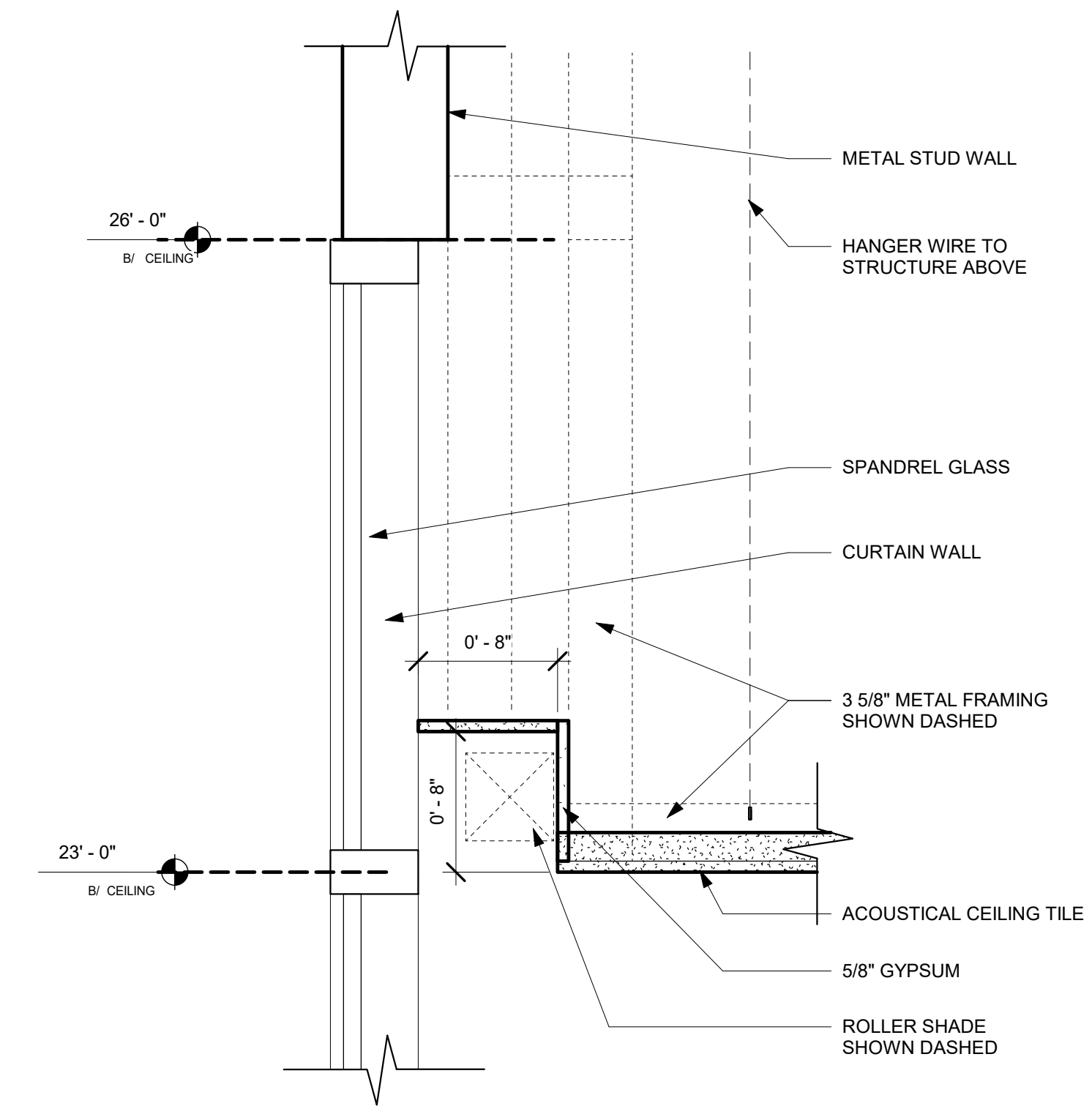
4 CEILING DETAIL @ BOARD ROOM
 1" = 0'-4"



7 SOFFIT DETAIL @ PUBLIC WAITING
 1 1/2" = 1'-0"

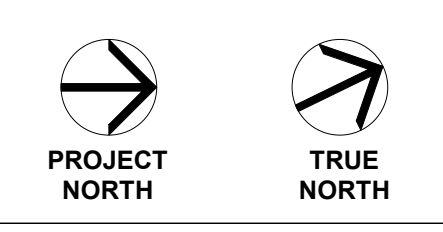


5 SOFFIT DETAIL @ TOILET CORRIDOR
 1 1/2" = 1'-0"



9 CEILING POCKET DETAIL @ BOARD ROOM
 1 1/2" = 1'-0"

KEY PLAN



Scale

No.	Description	Date
2	Addendum No. 2	6/18/24
2	Construction Documents	5/17/24
1	Schematic Design	2/22/24

MERIDIAN AIRPORT AUTHORITY

NEW TERMINAL

2811 Airport Blvd, South St.
 Meridian, MS 39307

DETAILS

Project No.	Project Number	Date	Issue Date

A-632



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FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR FINISH	WALL FINISH	CEILING FINISH	CEILING HEIGHT	BASE FINISH	BASE HEIGHT	COMMENTS
100	ENTRY	MAT-1	VARIABLES	WG-1	10' - 0"	MB-1	6"	P-2 ON EXPOSED CEILING. REFER TO ELEVATIONS FOR FINISHES.
101	LOBBY	EP-1	VARIABLES	WG-1	26' - 0"	MB-1	6"	REFER TO ELEVATIONS FOR FINISHES.
102	CORRIDOR	EP-1	WC-2	P-3	10' - 0"	MB-1	6"	P-1 ON SOFFIT. REFER TO REFLECTED CEILING PLAN.
103	JAN.	EP-1	FRP	ACT-1	10' - 0"	MB-1	6"	
104	W. LARGE TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
105	W. LARGE TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
106	WOMEN TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
107	WOMEN TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
109	FAM. 1	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
110	MEN TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
111	MEN TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
113	MEN LARGE TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
114	MEN LARGE TOILET	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
115	FAM. 2	EP-1	T-2/T-3	P-1	9' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
116	MECHANICAL	CONC-1	P-4	P-1	10' - 0"	RB-2	4"	
123	ELECTRICAL	CONC-1	P-4	P-1	10' - 0"	RB-2	4"	
118	COMM	CONC-1	P-4	P-1	10' - 0"	RB-1	4"	
119	TSA SCREENING	EP-1	P-7	ACT-1	12' - 0"	MB-1	6"	P-1 ON SOFFIT. REFER TO REFLECTED CEILING PLAN.
120	STERILE AREA	EP-1/CPT-1	VARIABLES	P-2	26' - 0"	MB-1	6"	CARPET INSET. REFER TO FINISH FLOOR PLAN, RCP, AND ELEVATIONS FOR FINISHES.
121	FAMILY TOILET	EP-1	T-2/T-3	P-1	10' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
122	FAMILY TOILET	EP-1	T-2/T-3	P-1	10' - 0"	EP-2	6"	T-1 ACCENT WALL. REFER TO TOILET ELEVATIONS.
123	LIFE SAFETY	CONC-1	P-4	P-1	0' - 0"	RB-2	4"	
125	DEPARTURE	EP-1	-	P-2	10' - 0"	MB-1	6"	
126	PUBLIC HOLDING/BAG CLAIM	EP-1	VARIABLES	WG-1	26' - 0"	MB-1	6"	P-2 ON EXPOSED CEILING. REFER TO ELEVATIONS FOR FINISHES.
127	CORRIDOR	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
128	TSA OFFICE	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
129	BREAKROOM	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
130	SERVER	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
131	TRAINING	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
132	TRAINING	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
133	AIRLINE OPS	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
134	STORAGE	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
135	BREAKROOM	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
136	CORRIDOR	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
137	AIRLINE OFFICE	LVT-1	P-4	ACT-1	10' - 0"	RB-2	4"	
137	AIRLINE TRAINING	LVT-1	P-4	ACT-1	23' - 0"	RB-2	4"	
138	TSA BAG SCAN	LVT-1	P-4	ACT-1	9' - 0"	RB-2	4"	
139	ELEVATOR	LVT-1	-	-	10' - 0"	MB-1	6"	STANDARD ELEVATOR FINISHES.
140	BAGGAGE MAKEUP AREA	CONC-1	P-4	-	10' - 0"	RB-2	4"	
141	STAIR 2	EP-3	WC-1	P-2	10' - 0"	-	-	
142	STAIR 1	-	P-4	P-1	10' - 0"	-	-	
143	CAR RENTAL	EP-1	P-3	ACT-1	9' - 0"	MB-1	6"	
144	AL BACK OF COUNTER	EP-1	MTL-1	P-1	11' - 6"	MB-1	6"	AIRLINE GRAPHICS ON BACK WALL. REFER TO ELEVATIONS FOR FINISHES.
145	AL COUNTER	EP-1	-	P-1	10' - 0"	-	-	REFER TO MILLWORK DETAILS
147	STERILE AREA EXIT	EP-1	WC-2	P-1	10' - 0"	MB-1	6"	
200	PUBLIC WAITING	CPT-1	P-5	ACT-1	10' - 0"	RB-2	4"	
201	BOARD ROOM	CPT-3	P-6	ACT-1	10' - 0"	RB-1	4"	WG-1 ACCENT CEILING. REFER TO REFLECTED CEILING PLAN.
202	OFFICE 1	CPT-2	P-7	ACT-1	9' - 0"	RB-3	4"	
203	BREAKROOM	LVT-1	P-4	ACT-1	9' - 0"	RB-2	4"	
204	UNISEX TOILET	T-6	T-2/T-3	P-1	9' - 0"	T-7	3.75"	
205	WAITING/SEATING AREA	LVT-1	P-3	ACT-1	9' - 0"	RB-2	4"	
206	CONF. ROOM	CPT-2	P-7	ACT-1	9' - 0"	RB-3	4"	
207	OFFICE 3	CPT-2	P-7	ACT-1	9' - 0"	RB-3	4"	
208	RECORDS	LVT-1	P-3	ACT-1	9' - 0"	RB-2	4"	
209	OFFICE 4	CPT-2	P-7	ACT-1	9' - 0"	RB-3	4"	
210	ELECTRICAL	CONC-1	P-7	ACT-1	9' - 0"	RB-3	4"	
211	COMM	LVT-1	P-3	ACT-1	9' - 0"	RB-2	4"	
212	STORAGE	CONC-1	P-7	EXP	9' - 0"	RB-3	4"	
213	OFFICE 6	CPT-2	P-7	ACT-1	9' - 0"	RB-3	4"	
214	OFFICE 5	CPT-2	P-7	ACT-1	9' - 0"	RB-3	4"	
215	RECEPTION	LVT-1	P-3	ACT-1	9' - 0"	RB-2	4"	
216	FAM. TOILET	T-6	T-2/T-3	P-1	9' - 0"	T-7	3.75"	
217	STAIR 1 CORRIDOR	-	P-4	P-1	10' - 0"	-	-	
218	MAA CORRIDOR	LVT-1	P-3	ACT-1	10' - 0"	RB-2	4"	
219	FAMILY TOILET	-	-	-	0' - 0"	-	-	NOT USED.
219	COPY	LVT-1	P-3	ACT-1	9' - 0"	RB-2	4"	
221	STAIR 2	EP-3	WC-1	P-2	10' - 0"	-	-	

GADETS:	TILE:	TILE CONTINUED:	MISC:	MISC CONTINUED:
GP-1 CABINET (STERILE AREA & PUBLIC WAITING) MANUF: FELDORSE SERIES: KNT123 STYLE: BOUNTYBACK MODULAR 1407 COLOR: 3019 MUSIC SIZE: 18" X 30" BACKING: POLYESTER FELT CUSHION INSTALLATION METHOD: PANEL SET CONTACT: CARYN WILLIAMS PH: 601.969.3623 EMAIL: caryn@dparchitect.com	1.1 PORCELAIN TILE (R. RESTROOM LEVEL-0) MANUF: BOSSALINE INCLAMMAM STYLE: DSD00 COLOR: BREEZE FINISH: MATTE THICKNESS: 8MM GROUT: MAPEI ALABASTER NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.2 CERAMIC TILE (R. RESTROOMS LEVEL-1 & LEVEL-2) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.3 CERAMIC TILE (R. RESTROOMS LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.4 CERAMIC TILE (R. SNACK COUNTER) MANUF: BOSSALINE INCLAMMAM STYLE: DSD00 COLOR: BREEZE FINISH: MATTE THICKNESS: 8MM GROUT: MAPEI ALABASTER NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com
GP-2 CABINET (R. OFFICE) STYLE: DISCOVER 14-12017 COLOR: PEAK 1509 COLLECTION: OFF THE GRID SIZE: 12" X 48" INSTALLATION METHOD: HERRINGBONE CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.5 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.6 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.7 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.8 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com
GP-3 CABINET (R. BOARD ROOM) STYLE: FORM 14E 1731 COLOR: ONIX SILVER 3359 COLLECTION: NOBLE MATERIALS SIZE: 24" X 24" INSTALLATION METHOD: BRICK PATTERN CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.9 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.10 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.11 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.12 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com
GP-4 CABINET (R. BOARD ROOM) STYLE: FORM 14E 1731 COLOR: ONIX SILVER 3359 COLLECTION: NOBLE MATERIALS SIZE: 24" X 24" INSTALLATION METHOD: BRICK PATTERN CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.13 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.14 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.15 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.16 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com
GP-5 CABINET (R. BOARD ROOM) STYLE: FORM 14E 1731 COLOR: ONIX SILVER 3359 COLLECTION: NOBLE MATERIALS SIZE: 24" X 24" INSTALLATION METHOD: BRICK PATTERN CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.17 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.18 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.19 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.20 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com
GP-6 CABINET (R. BOARD ROOM) STYLE: FORM 14E 1731 COLOR: ONIX SILVER 3359 COLLECTION: NOBLE MATERIALS SIZE: 24" X 24" INSTALLATION METHOD: BRICK PATTERN CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.21 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.22 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.23 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.24 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com
GP-7 CABINET (R. BOARD ROOM) STYLE: FORM 14E 1731 COLOR: ONIX SILVER 3359 COLLECTION: NOBLE MATERIALS SIZE: 24" X 24" INSTALLATION METHOD: BRICK PATTERN CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.25 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.26 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.27 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.28 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com
GP-8 CABINET (R. BOARD ROOM) STYLE: FORM 14E 1731 COLOR: ONIX SILVER 3359 COLLECTION: NOBLE MATERIALS SIZE: 24" X 24" INSTALLATION METHOD: BRICK PATTERN CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.29 CERAMIC TILE (R. BOARD ROOM LEVEL-0) MANUF: COLEVILLE INC STYLE: SWATCHES COLOR: NECESSARY OBJECTS STONE FINISH: GLOSS SIZE: 12" X 12" THICKNESS: 8MM GROUT: MAPEI 77 FROST NOTE: REFER TO INTERIOR ELEVATIONS FOR PATTERN PH: 601.969.3623 CONTACT: KIRSTIN WORMSLEY PH: 601.969.3623 EMAIL: kirstin@dparchitect.com	1.30 CERAMIC TILE (R. BOARD ROOM		

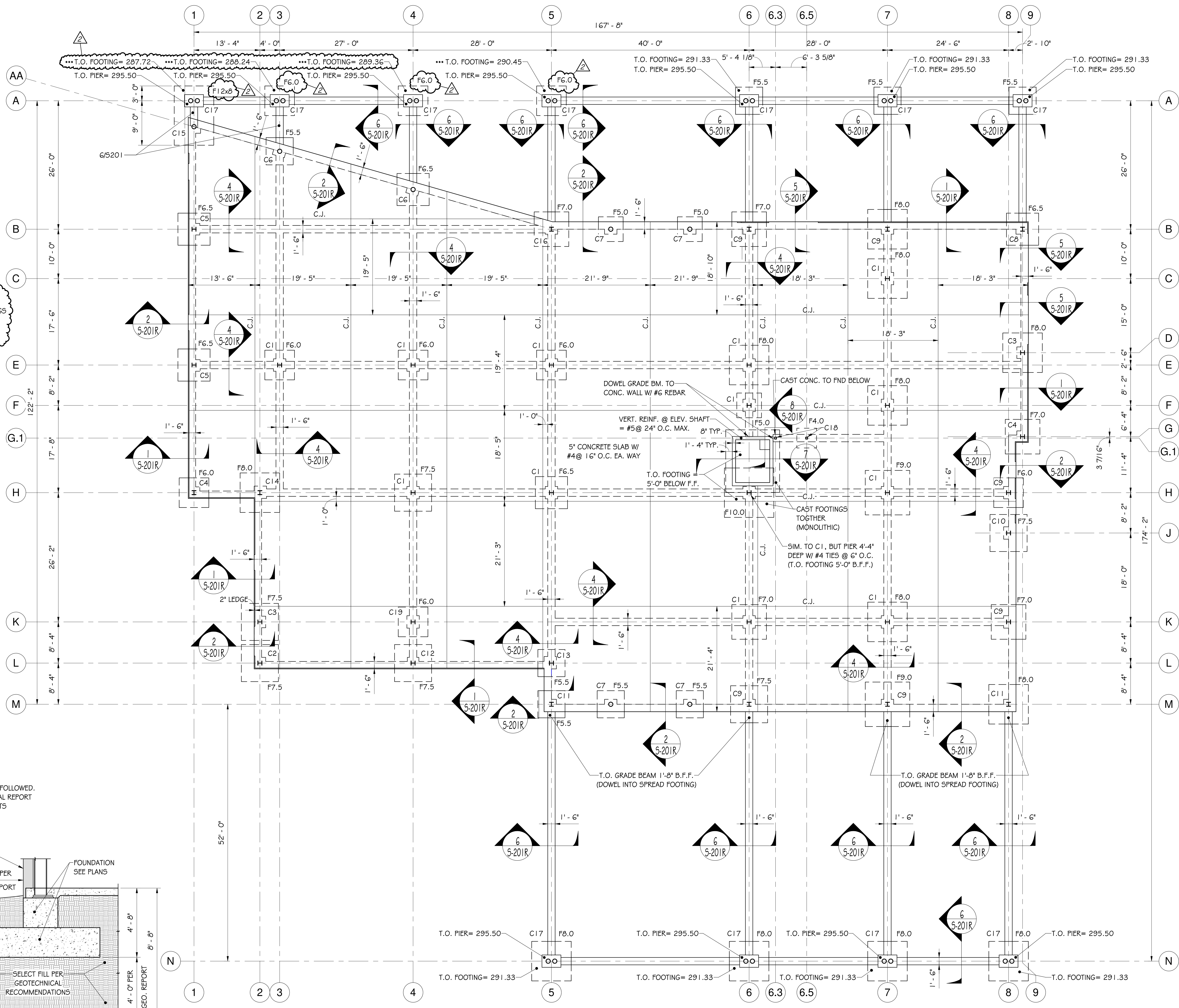
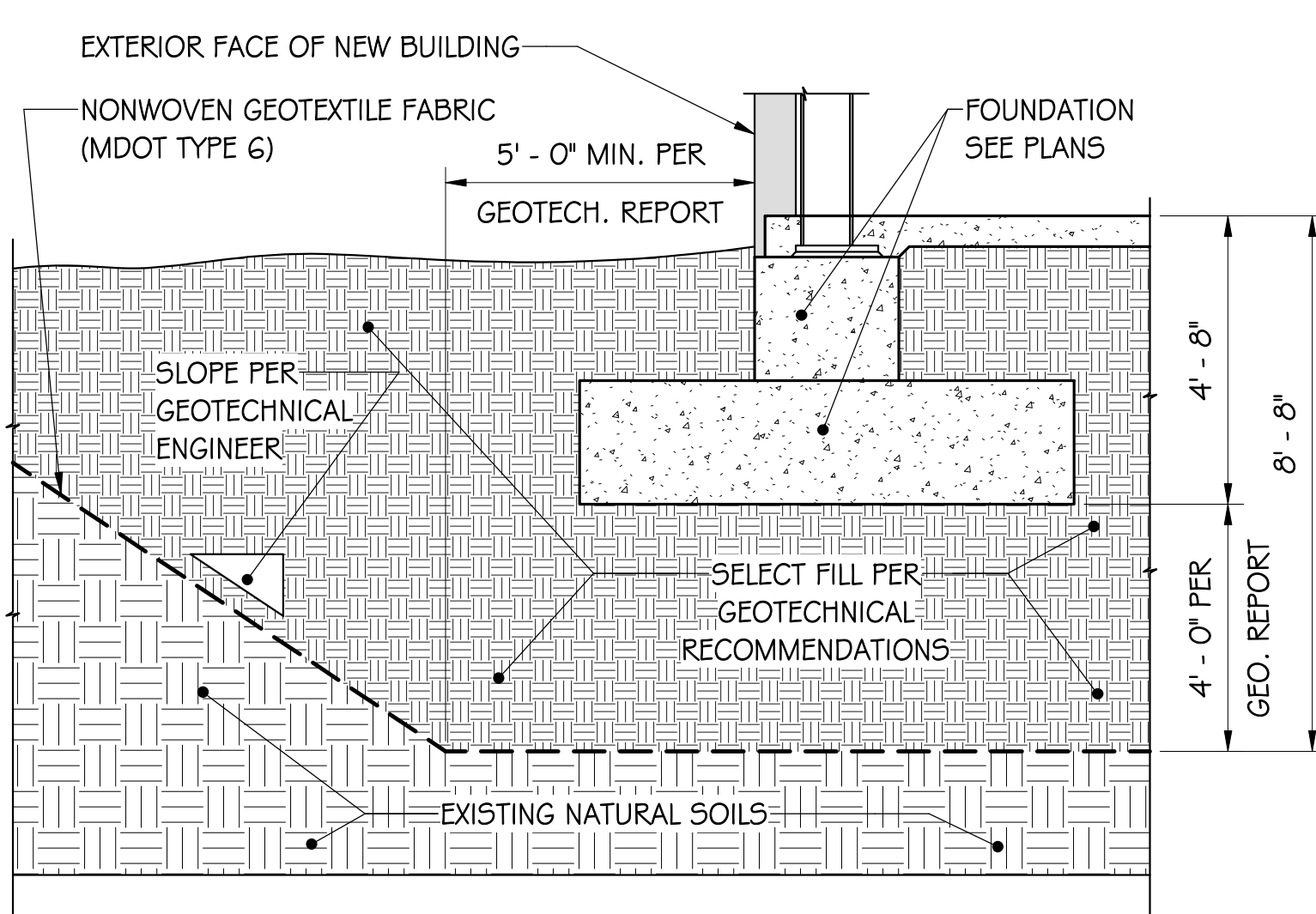
EARTHWORK NOTES:

PER THE GEOTECHNICAL REPORT PREPARED BY
ENGINEERING PLUS DATED
MARCH 27, 2024:

- "A SOIL BUFFER SHOULD BE CONSTRUCTED BELOW ANY STRUCTURE AREAS UNDERLAIN WITH CH AND ML MATERIALS. IT SHOULD CONSIST OF A LEAN CLAY, SILTY SAND OR CLAYEY SAND (CL, SM, OR SC) WITH A PLASTICITY INDEX (PI) WITHIN THE RANGE OF 6 TO 20 AND A LIQUID LIMIT LESS THAN 40."
- "IN AREAS WHICH WILL SUPPORT STRUCTURES, THE SOIL SUBGRADE AND ANY NECESSARY FILL PLACEMENT SHOULD BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY PER STANDARD PROCTOR (ASTM-D 698)."
- "DUE TO THE PRESENCE OF SHALLOW SUB-SURFACE MOISTURE LOCATED IN SOME AREAS, TEMPORARY DEWATERING MEASURES MAY BE NECESSARY...OPTIONS FOR DEWATERING INCLUDE A SUMP PUMP, WELL POINTING OR AN UNDERDRAIN SYSTEM TO REMOVE ANY SUB-SURFACE WATER THAT MAY AFFECT SOIL STABILITY."

NOTES:
1. VERIFY THIS ELEVATION WITH CIVIL DRAWINGS PRIOR TO CONSTRUCTION. REPORT ANY CONFLICTS TO THE ARCHITECT FOR DIRECTION.

- NOTES:**
- ALL RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT SHALL BE STRICTLY FOLLOWED.
 - SEE CIVIL DRAWINGS AND THE GEOTECHNICAL REPORT FOR UNDERCUT AND BACKFILL REQUIREMENTS OUTSIDE OF THE BUILDING FOOTPRINT.



FOUNDATION AND FIRST FLOOR FRAMING PLAN
1/8" = 1' - 0"

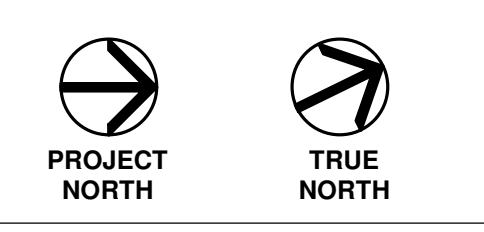


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KEY PLAN



No.	Description	Date
1	100% Schematic Design	2/22/24
2	100% Design Development	4/12/24
3	100% Construction Documents	5/17/24
4	Addendum No. 2	6/18/24

NEW TERMINAL

2811 Airport Blvd. South St.
Meridian, MS 39307

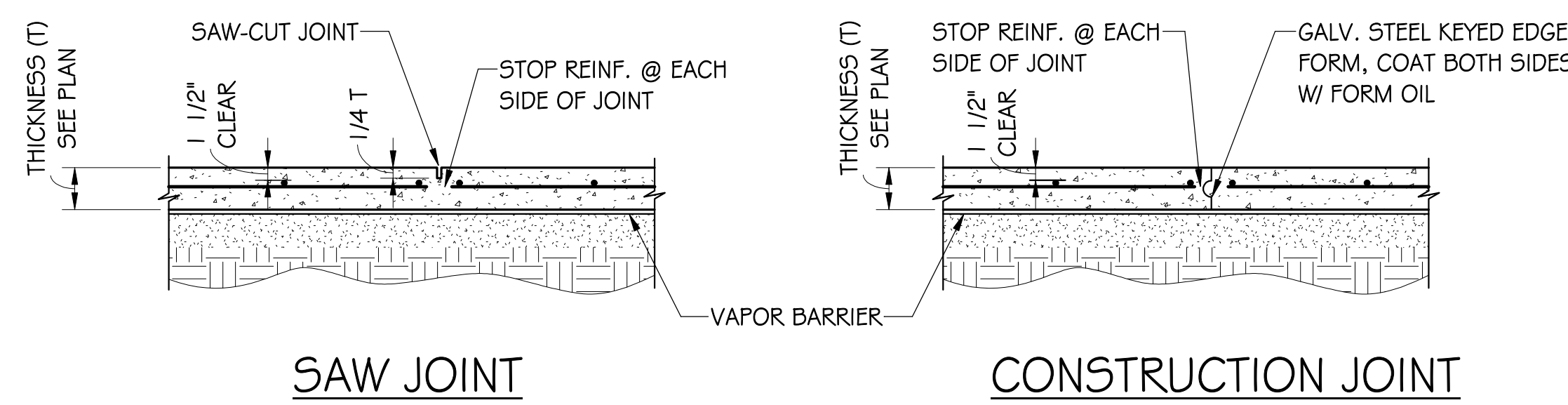
FOUNDATION AND FIRST FLOOR FRAMING PLAN

Project No: 23-002 Date: 05/17/2024

S-104R

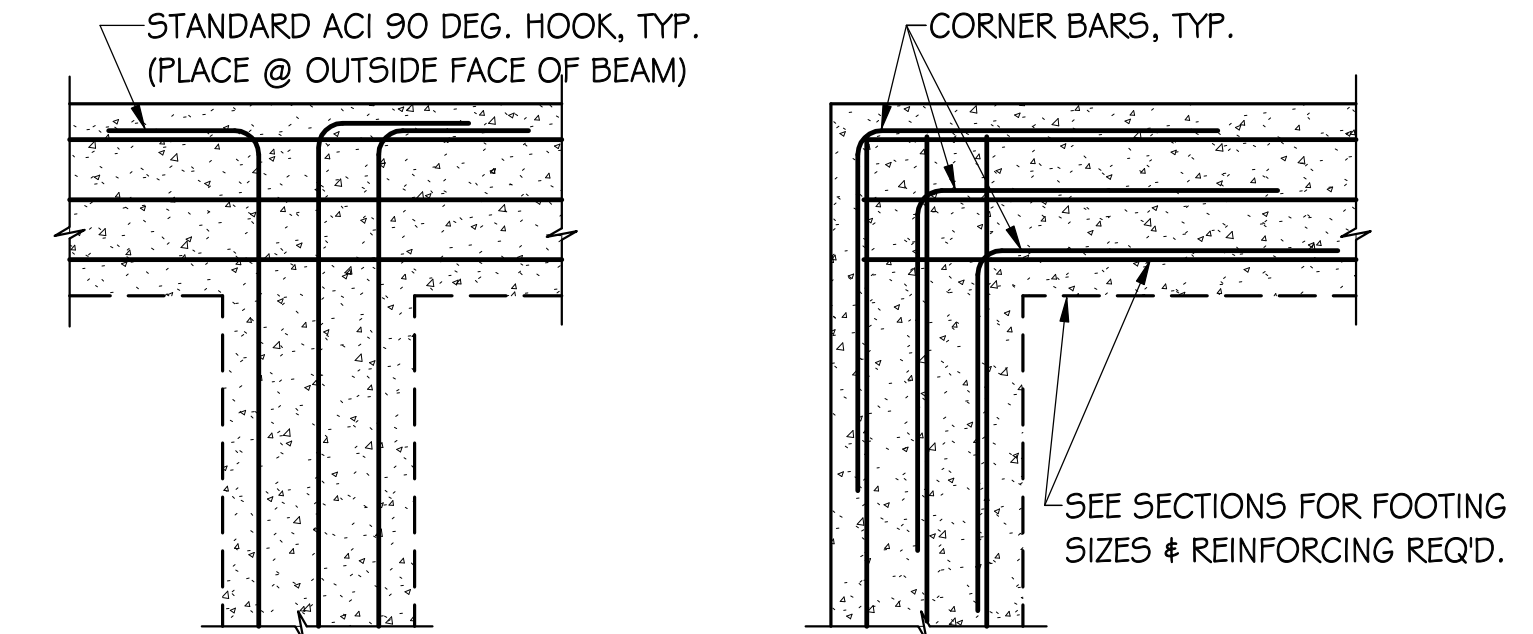
6-16-24 MODIFY FOOTING SIZES / ELEVATIONS TO COINCIDE W/ CIVIL DRAWINGS

HARRIS G. DEAN, P.E.
STRUCTURAL ENGINEERS
www.dprngine.com
16553



CONTRACTION JOINTS (C.J.) - SLAB ON GRADE DETAILS

1. SEE PLAN FOR SLAB THICKNESS & REINFORCING REQUIRED.
2. IF NO CONTRACTION JOINTS (C.J.) ARE SHOWN ON THE FOUNDATION PLAN(S), PROVIDE CONTRACTION JOINTS AT 25'-0" MAXIMUM.
3. CONTRACTION JOINT MAY BE EITHER JOINT TYPE DETAILED ABOVE. IF SAW JOINTS ARE USED, SLAB SHALL BE SAWED IMMEDIATELY AFTER FINISHED TROWELING AND SHALL BE COMPLETED WITHIN 4 HOURS OF PLACING CONCRETE.

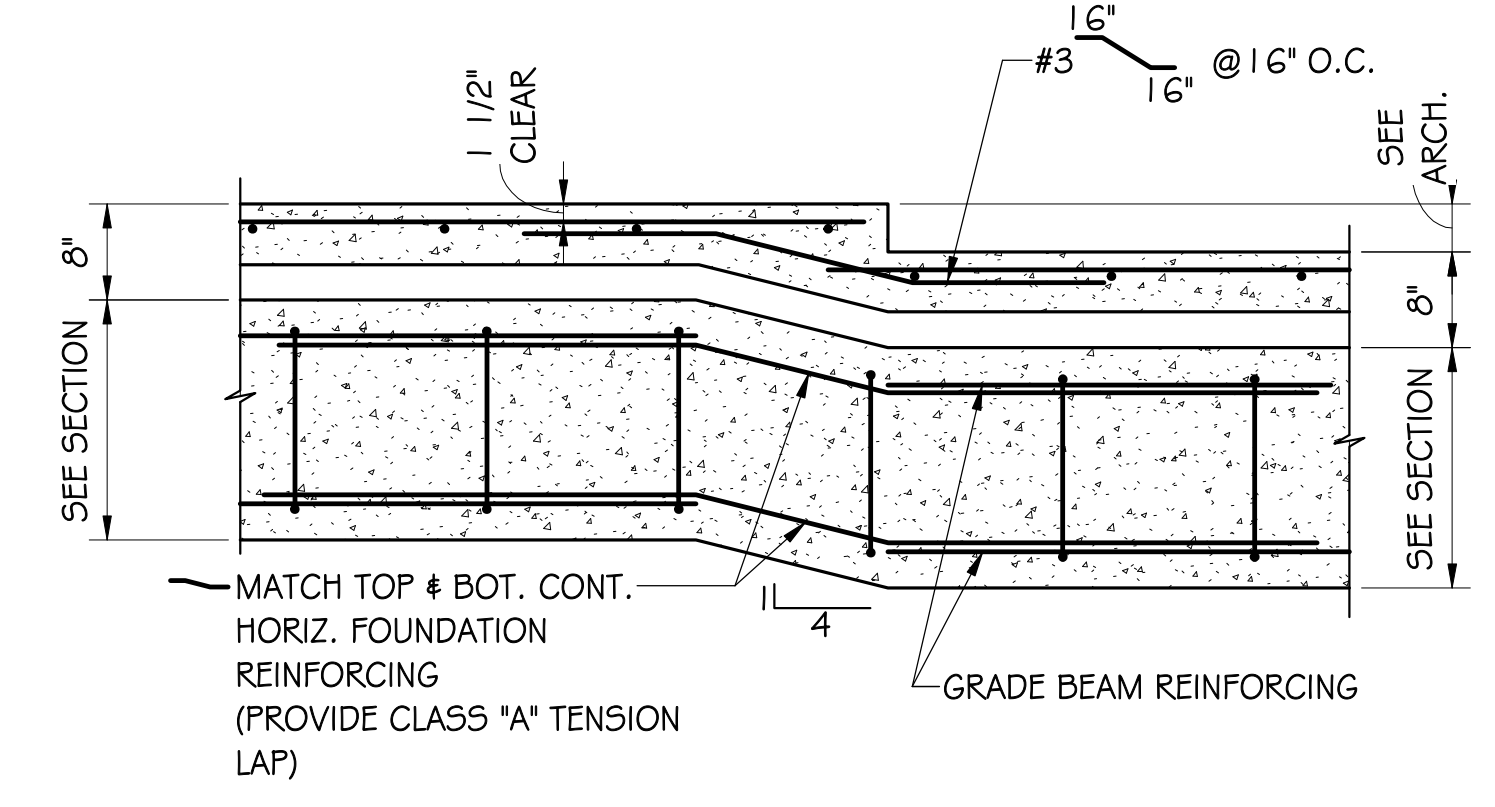
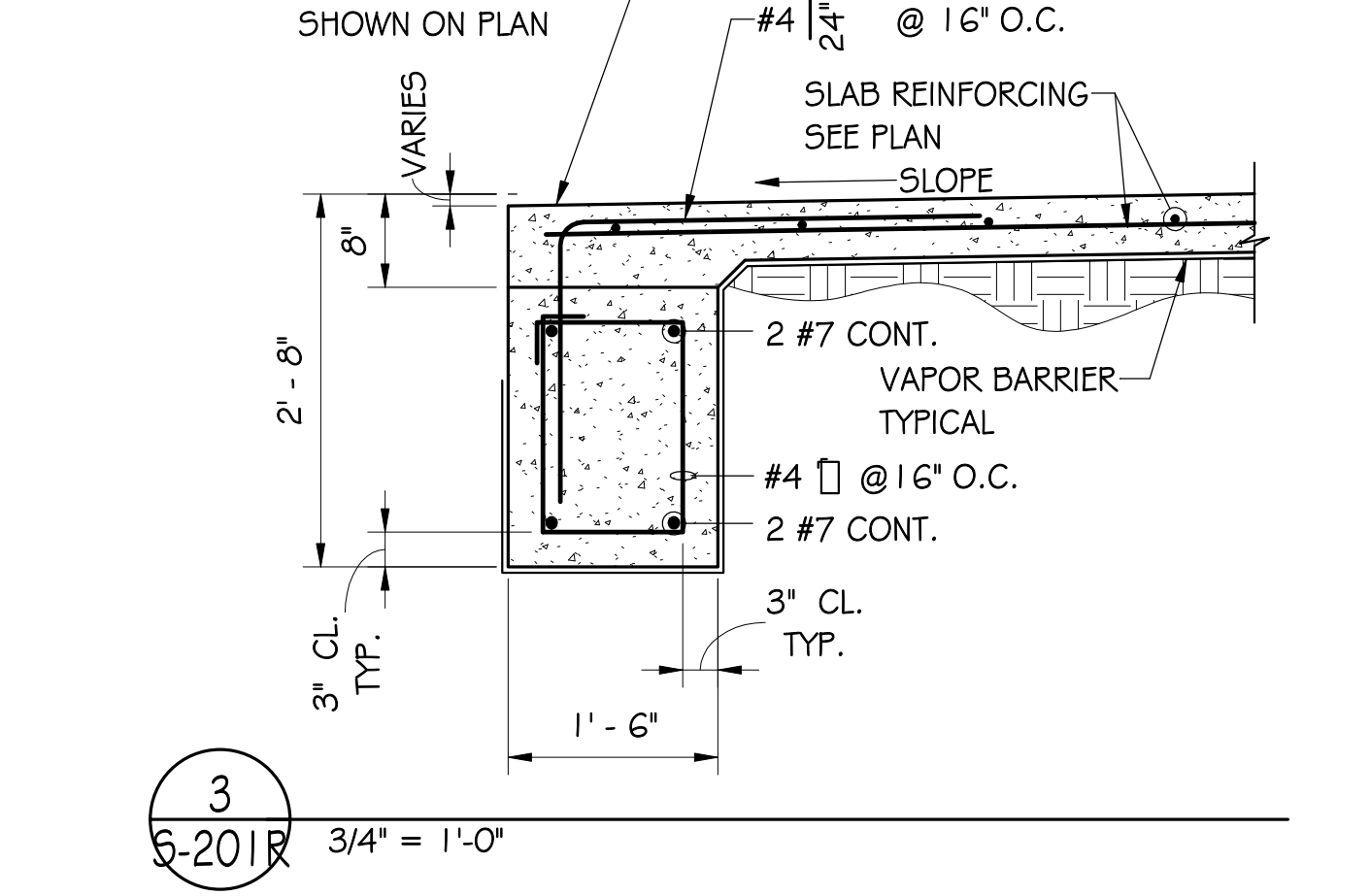
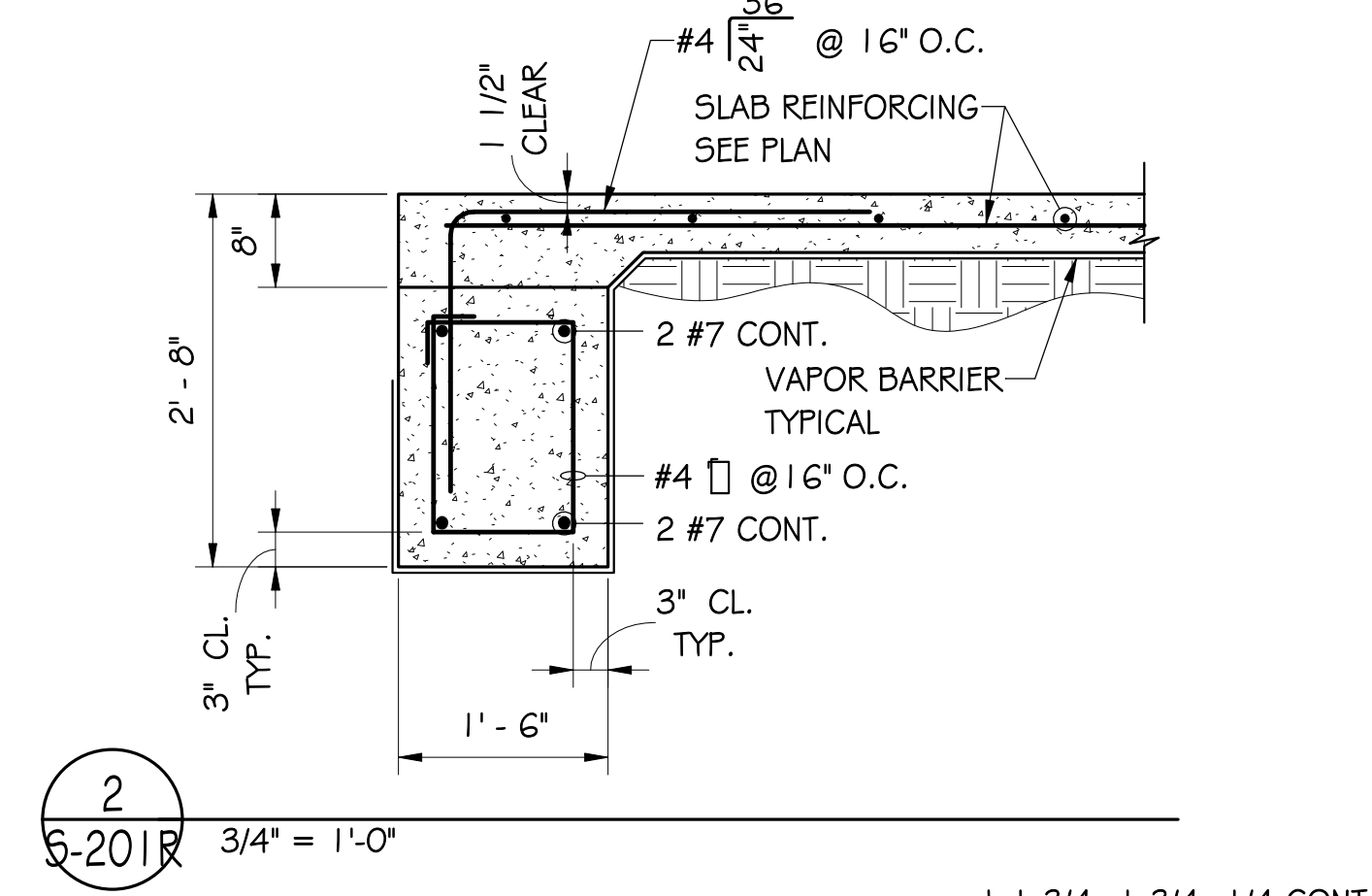
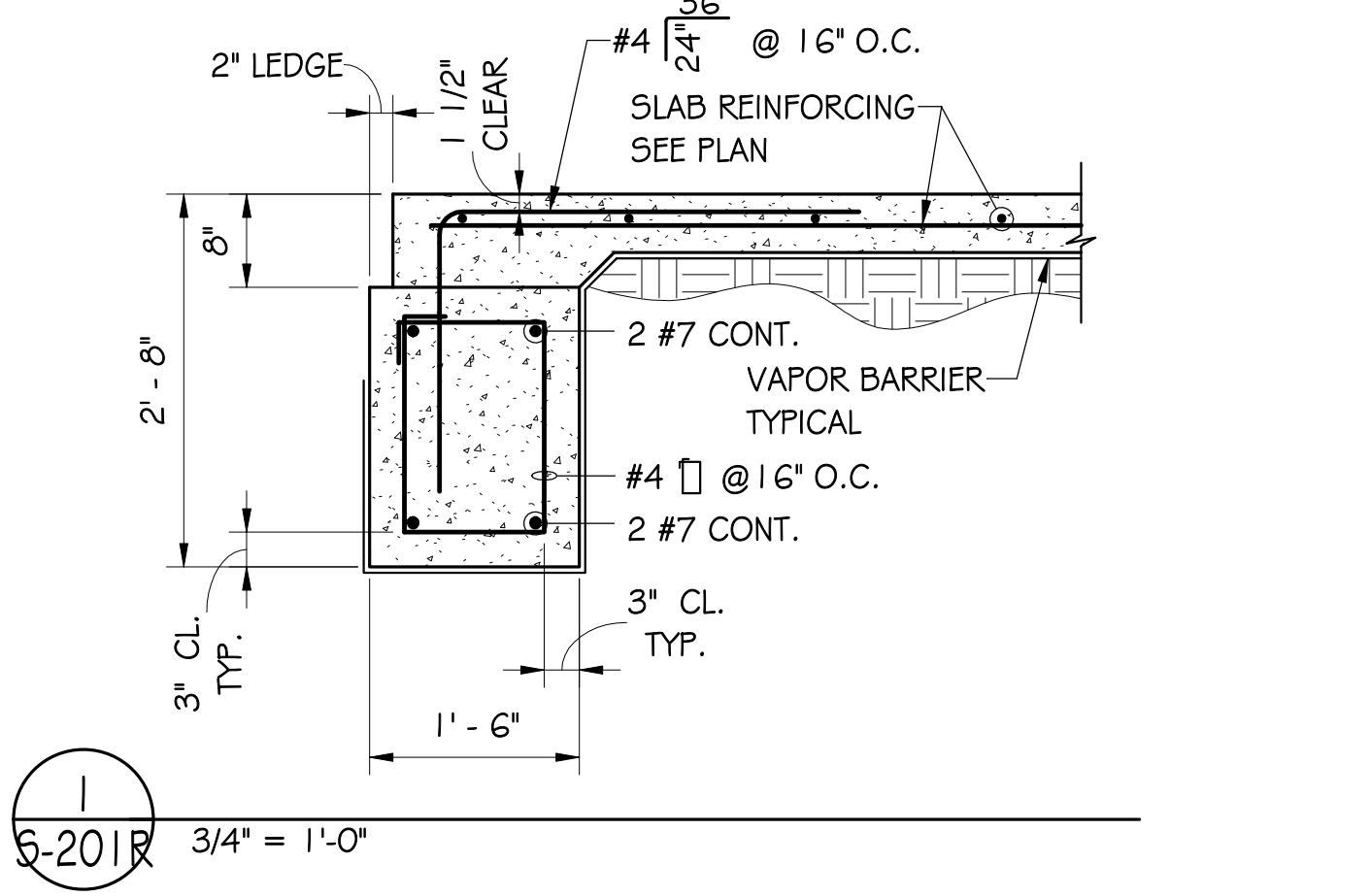


FOOTING INTERSECTION REINFORCING DETAIL

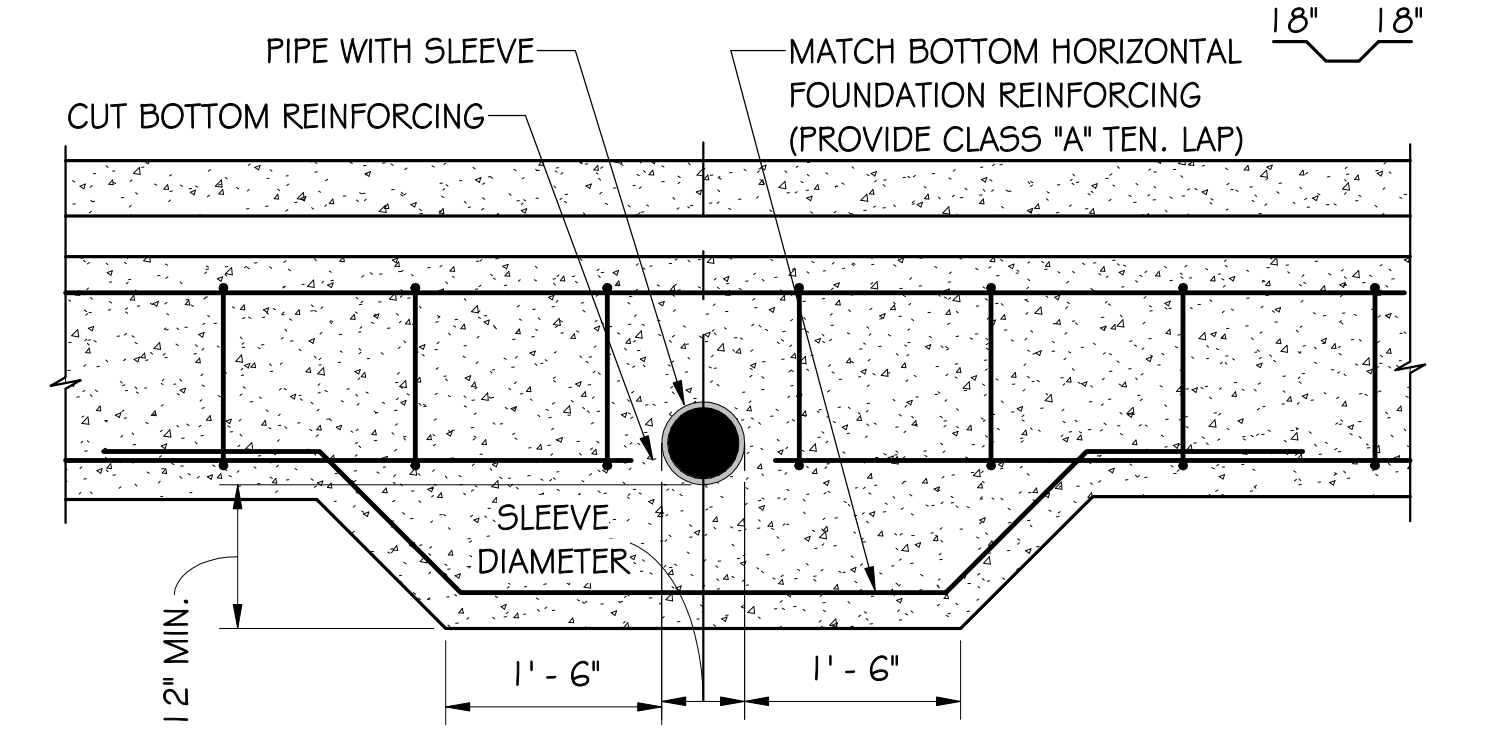
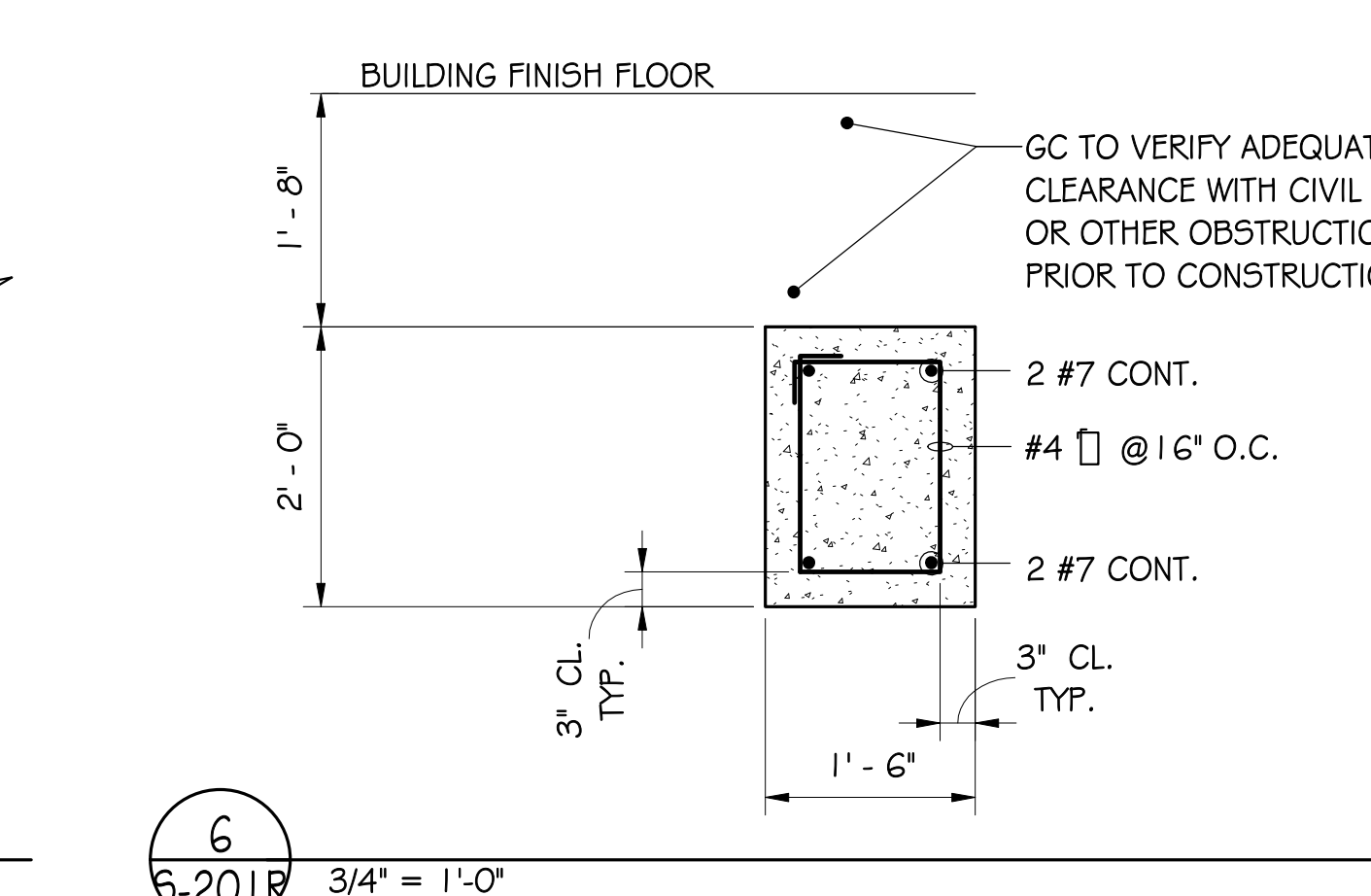
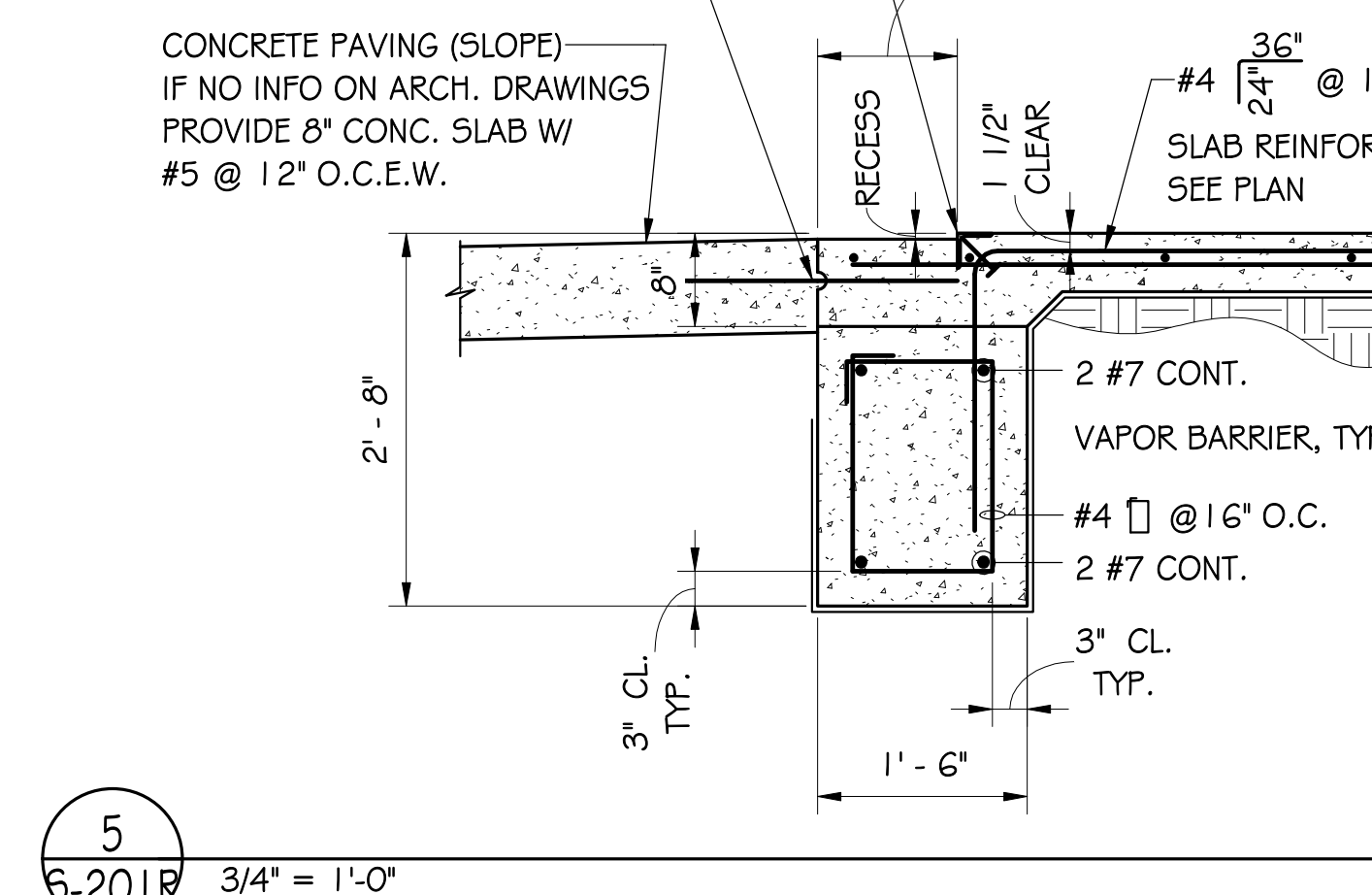
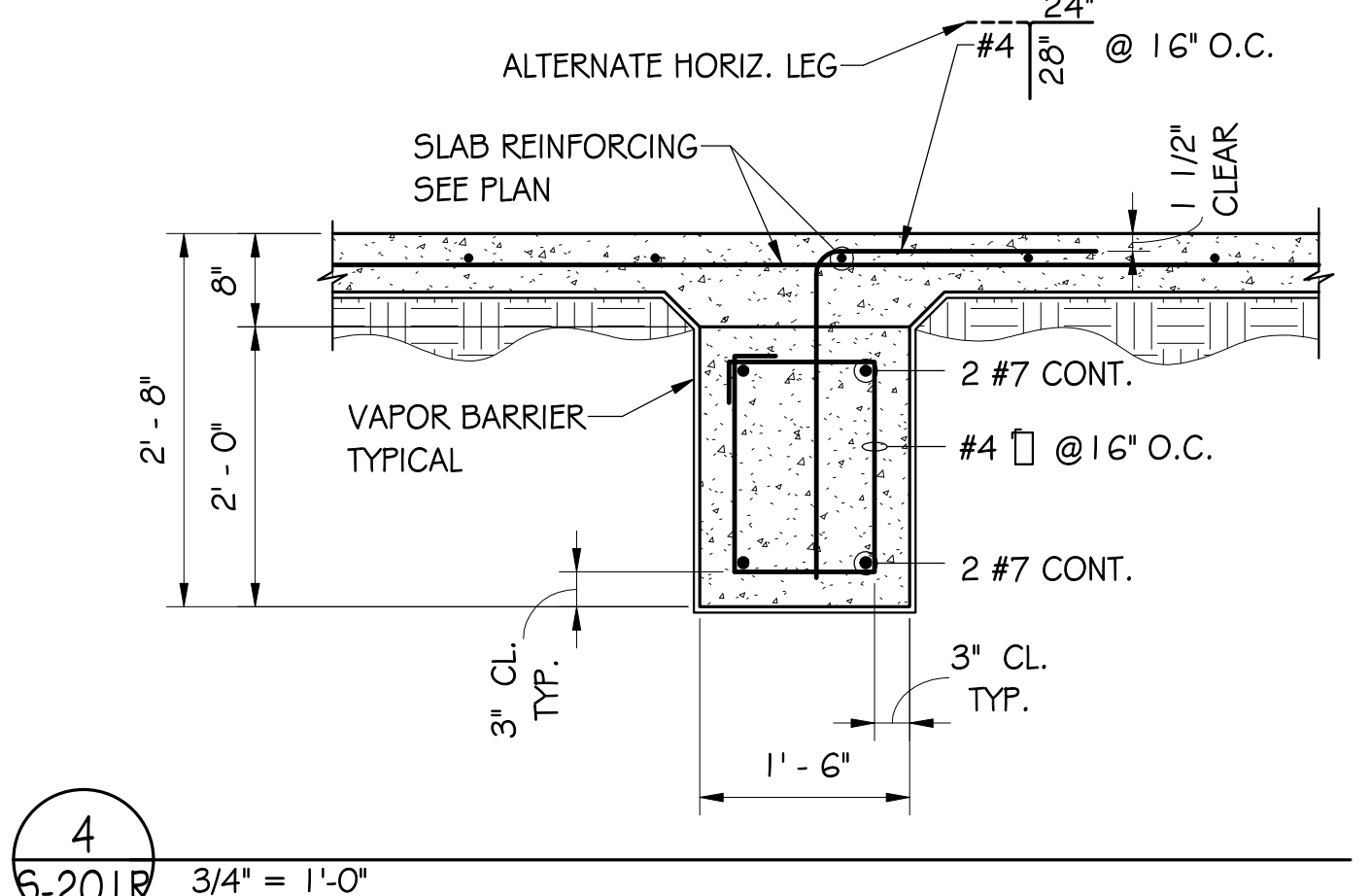
1. PROVIDE CORNER BARS OF THE SAME SIZE & NUMBER AS HORIZONTAL BARS AT ALL CORNERS.
2. PROVIDE CORNER BARS OF THE SAME SIZE & NUMBER AS HORIZONTAL BARS OR STANDARD ACI 90 DEG. HOOK AT ALL T-INTERSECTIONS.

CONC. REINFORCING LAP LENGTHS			FOOTING SCHEDULE				
4000 PSI, CASE I, CLASS B			MARK	DEPTH	SIZE	REINFORCING	REMARKS
BAR SIZE	TOP	OTHER					
#3	2'-0"	1'-7"	F3.5	16"	3'-6" x 3'-6"	5 #5 EA. WAY	BOTTOM
#4	2'-8"	2'-1"	F4.0	16"	4'-0" x 4'-0"	5 #5 EA. WAY	BOTTOM
#5	3'-4"	2'-7"	F4.5	16"	4'-6" x 4'-6"	6 #5 EA. WAY	BOTTOM
#6	4'-0"	3'-1"	F5.0	16"	5'-0" x 5'-0"	6 #5 EA. WAY	BOTTOM
#7	5'-10"	4'-6"	F5.5	16"	5'-6" x 5'-6"	7 #5 EA. WAY	BOTTOM
#8	6'-8"	5'-2"	F6.0	20"	6'-0" x 6'-0"	7 #6 EA. WAY	BOTTOM
#9	7'-7"	5'-10"	F6.5	24"	6'-6" x 6'-6"	8 #6 EA. WAY	BOTTOM
#10	8'-6"	6'-7"	F7.0	24"	7'-0" x 7'-0"	8 #7 EA. WAY	BOTTOM
#11	9'-5"	7'-3"	F7.5	24"	7'-6" x 7'-6"	8 #7 EA. WAY	BOTTOM
			F8.0	24"	8'-0" x 8'-0"	9 #7 EA. WAY	BOTTOM
			F8.5	24"	8'-6" x 8'-6"	10 #7 EA. WAY	BOTTOM
			F9.0	24"	9'-0" x 9'-0"	10 #8 EA. WAY	BOTTOM
			F10.0	24"	10'-0" x 10'-0"	12 #8 EA. WAY	BOTTOM
			F12.0	24"	12'-0" x 8'-0"	#7 @ 9" O.C. EA. WAY	TOP & BOT.

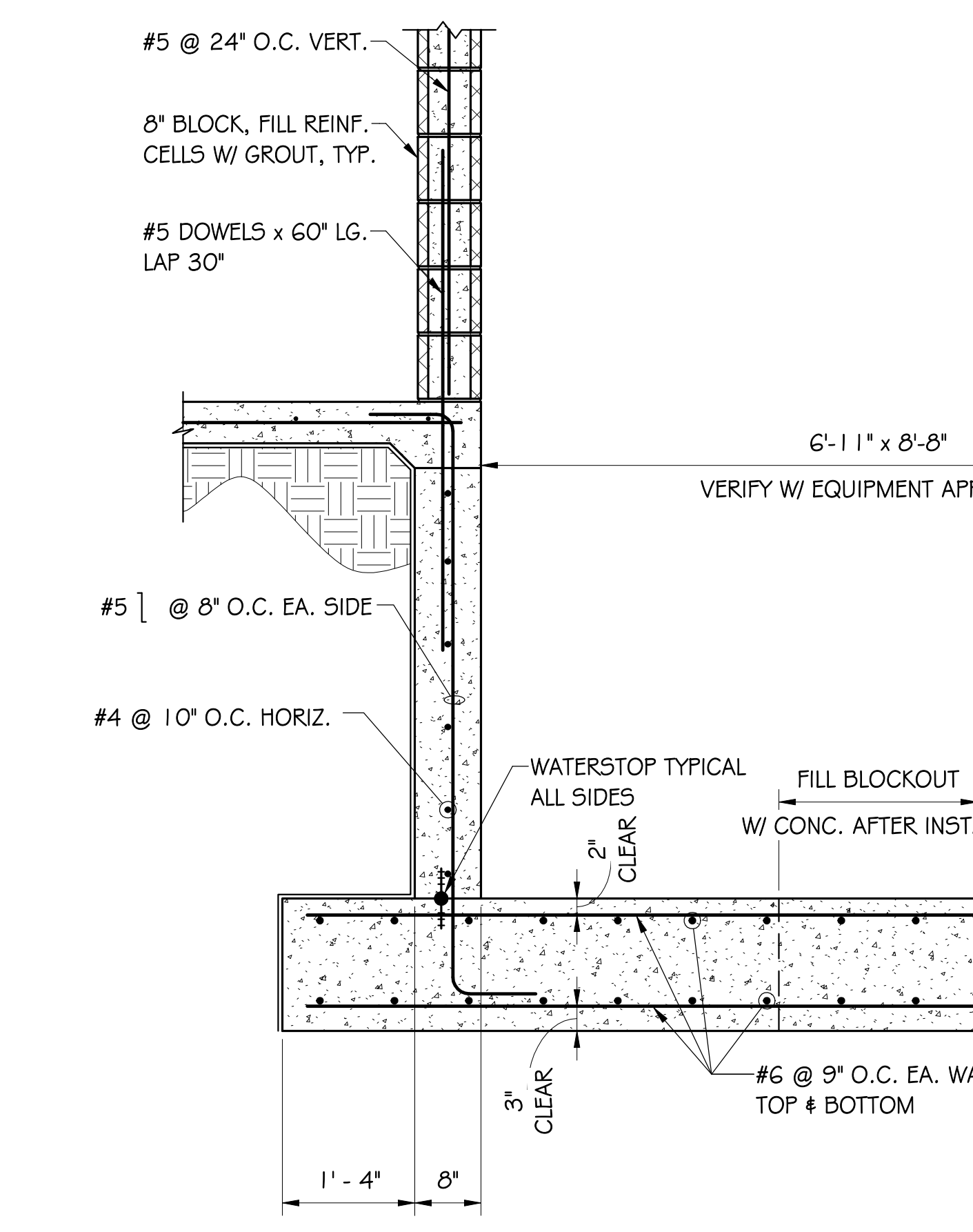
USE FOR ELEVATED CONSTRUCTION SUCH AS RAISED SLABS, BEAMS, WALLS, ETC.



SLAB AND GRADE BEAM DEPRESSION DETAIL

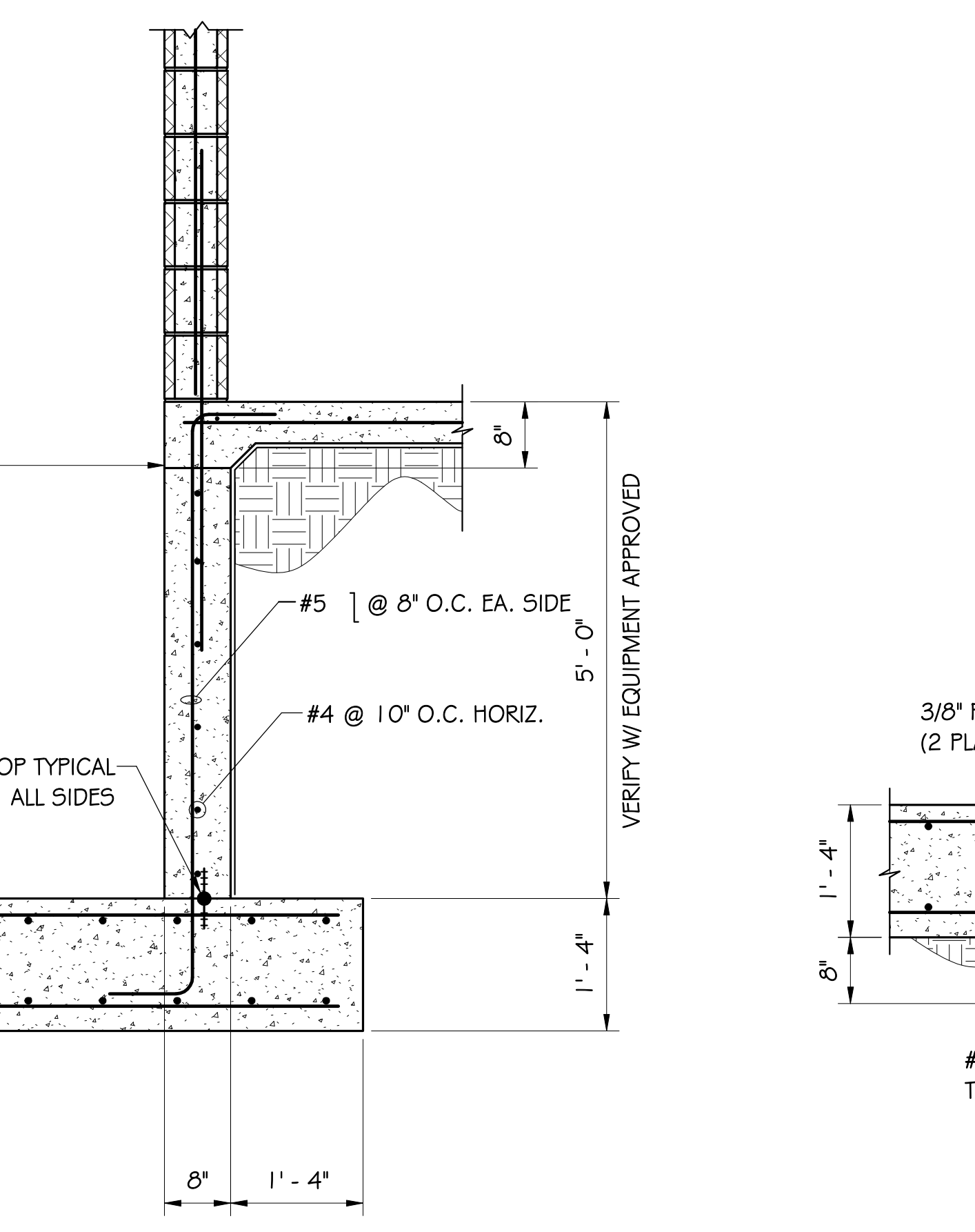


PIPE PENETRATION THRU GRADE BEAM DETAIL



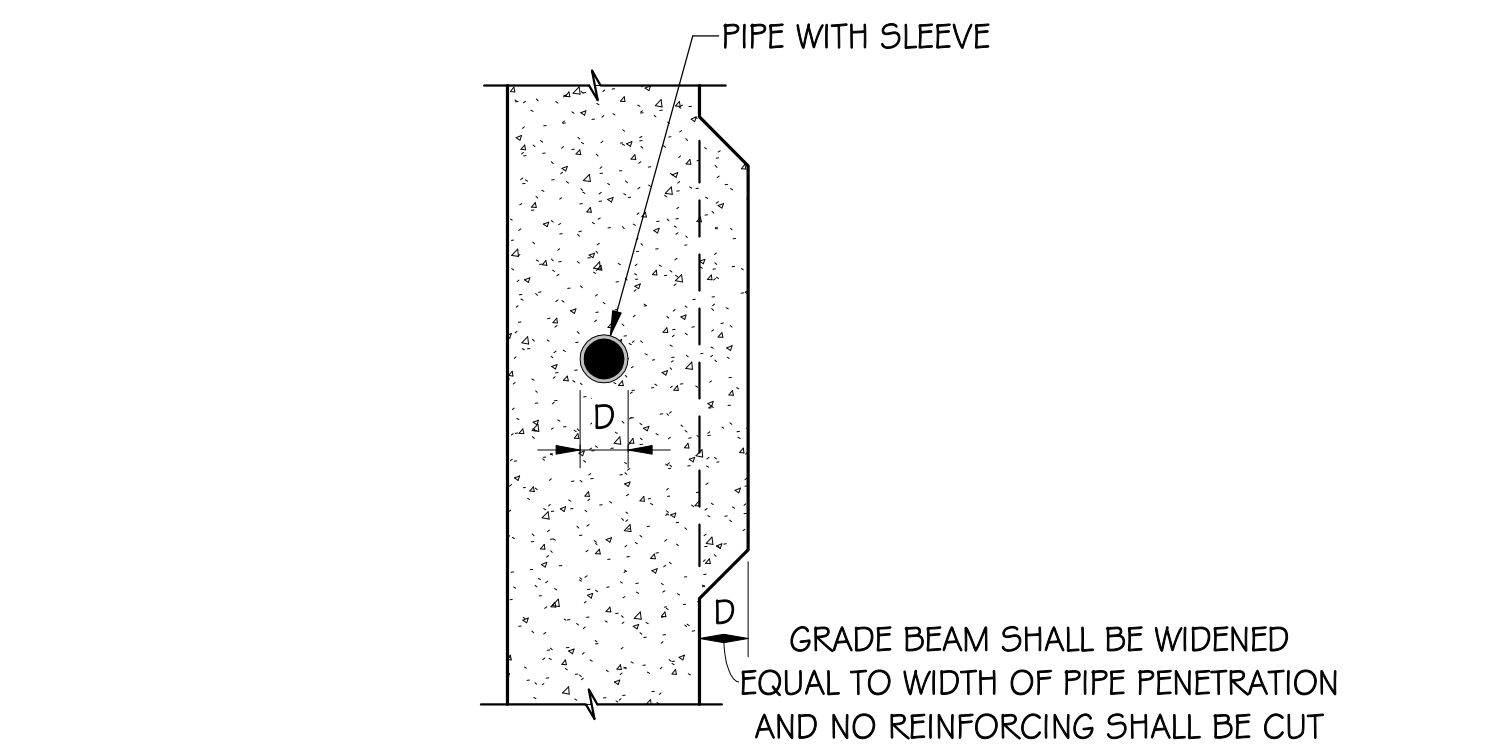
TYPICAL ELEVATOR PIT DETAIL

3/4" = 1'-0" SEE ARCH. DRAWINGS FOR WATER PROOFING REQ'D.

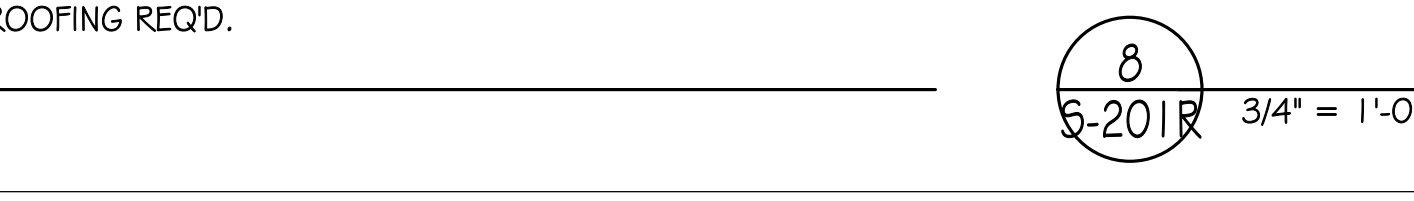
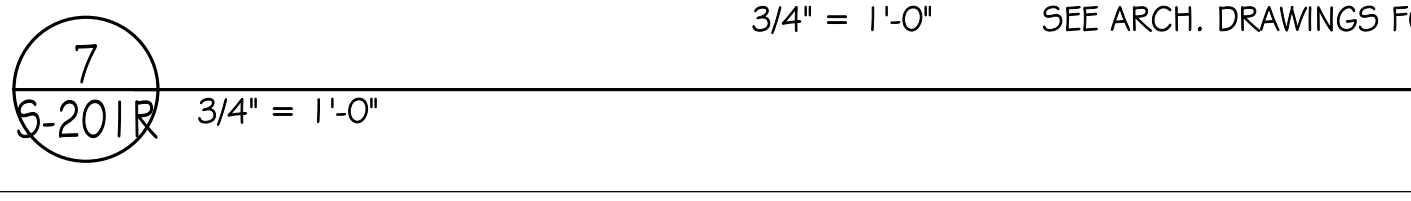


ELEVATOR SUMP DETAIL

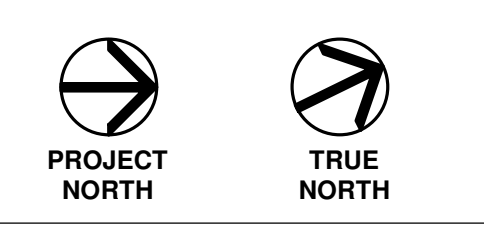
3/4" = 1'-0" SEE ARCH. DRAWINGS FOR WATER PROOFING REQ'D.



VERTICAL PENETRATION THRU GRADE BEAM DETAIL



KEY PLAN



No.	Description	Date
1	100% Schematic Design	2/22/24
2	100% Design Development	4/12/24
3	100% Construction Documents	5/17/24
4	Addendum No. 2	6/18/24

MERIDIAN AIRPORT AUTHORITY

NEW TERMINAL

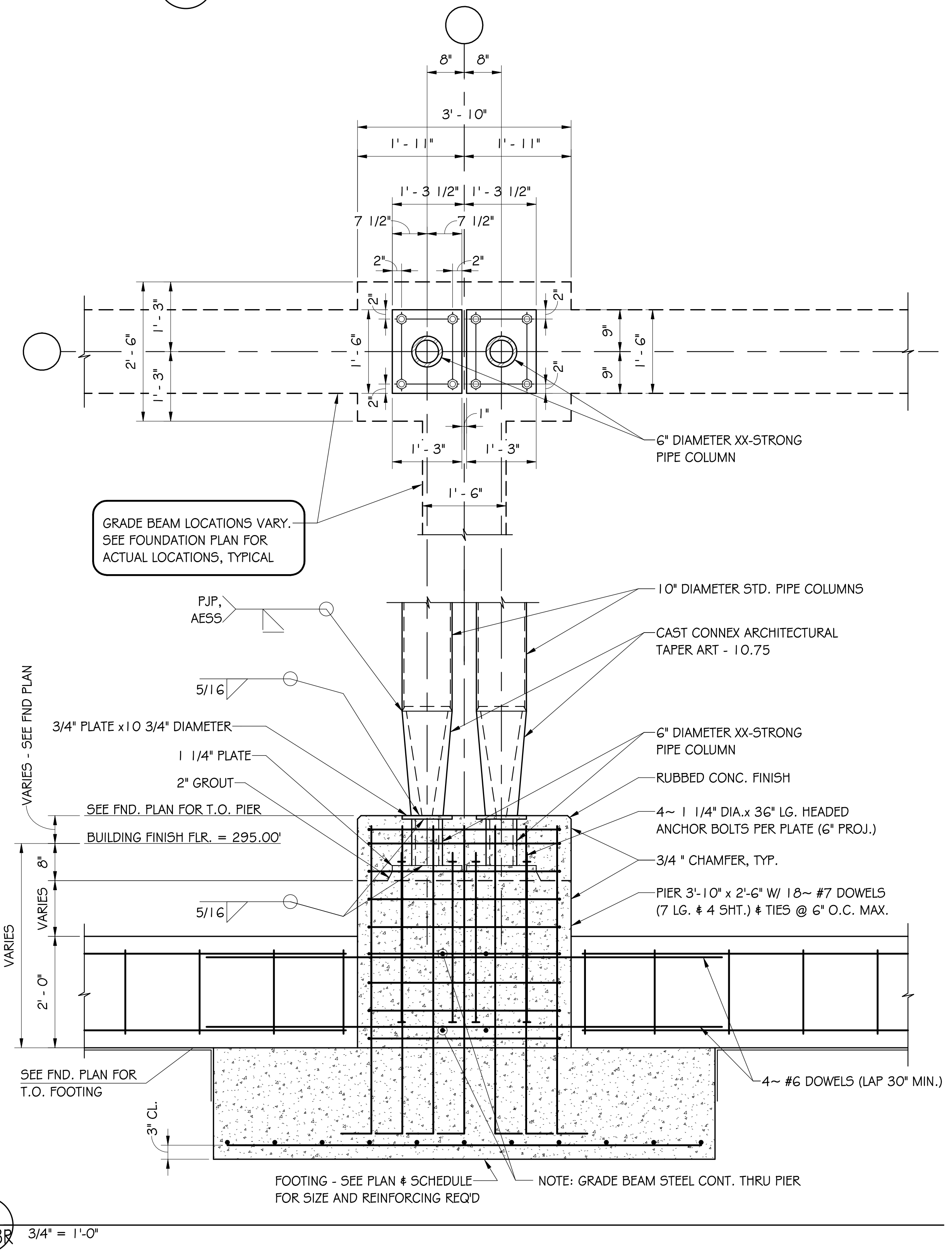
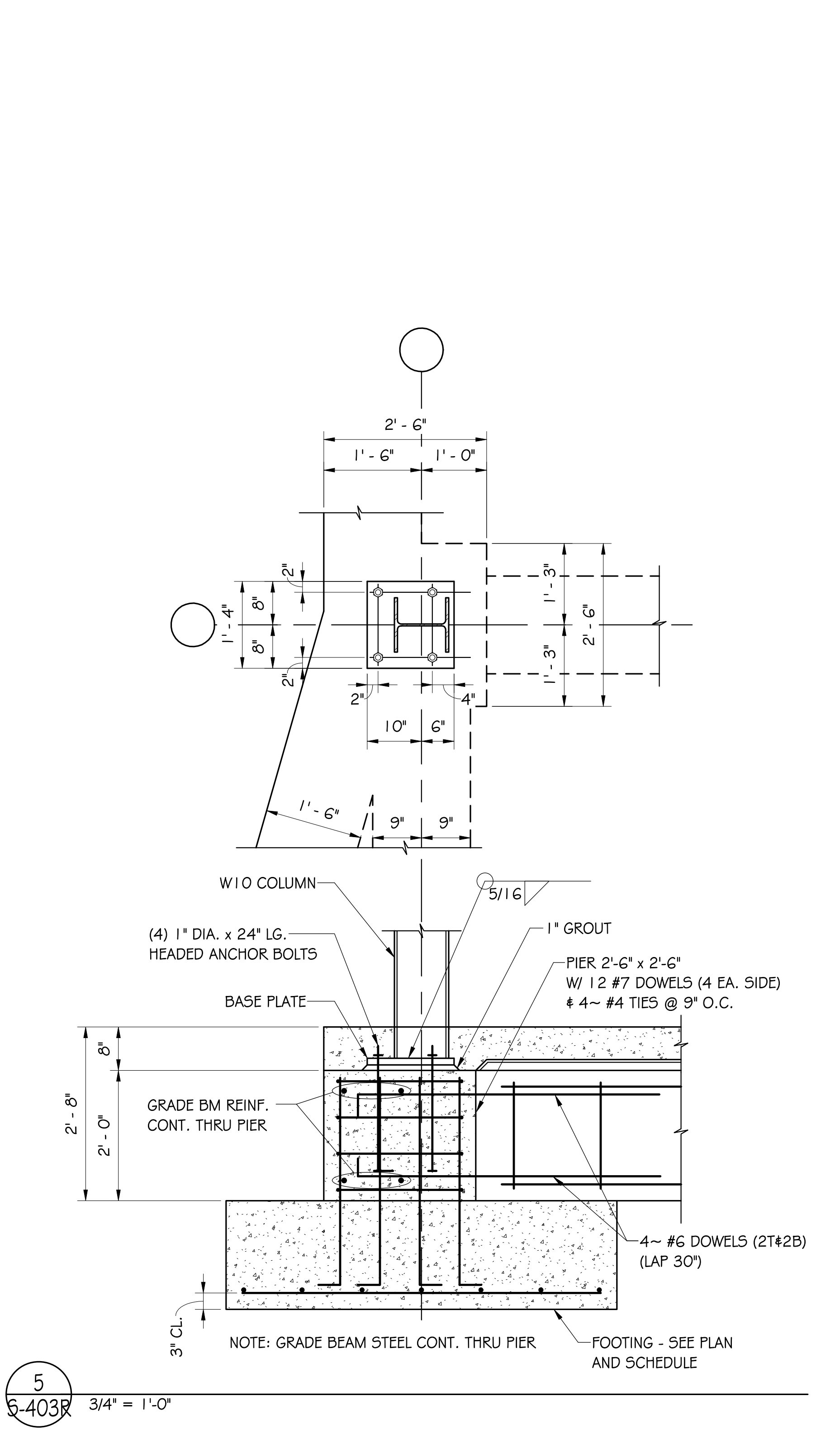
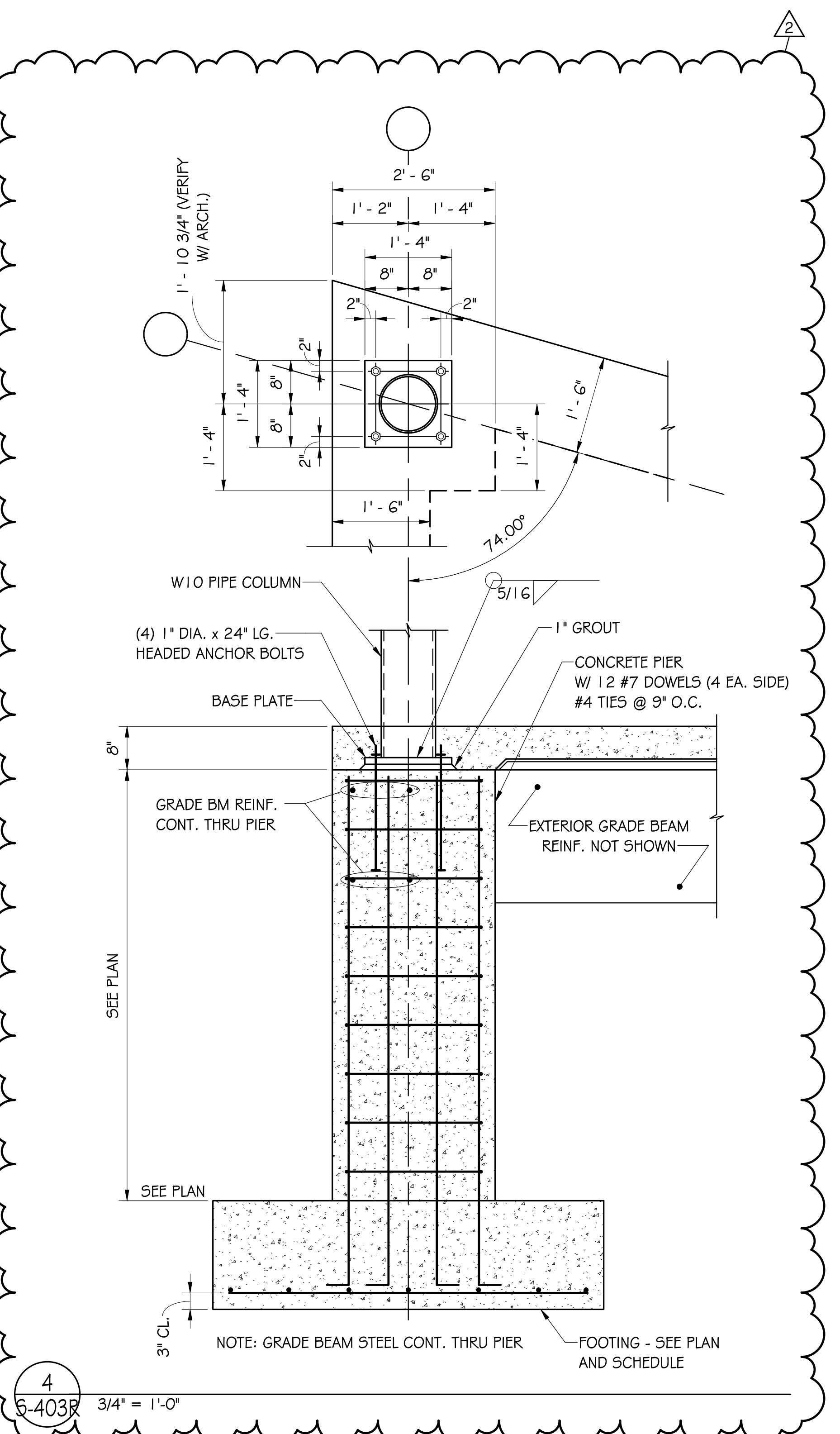
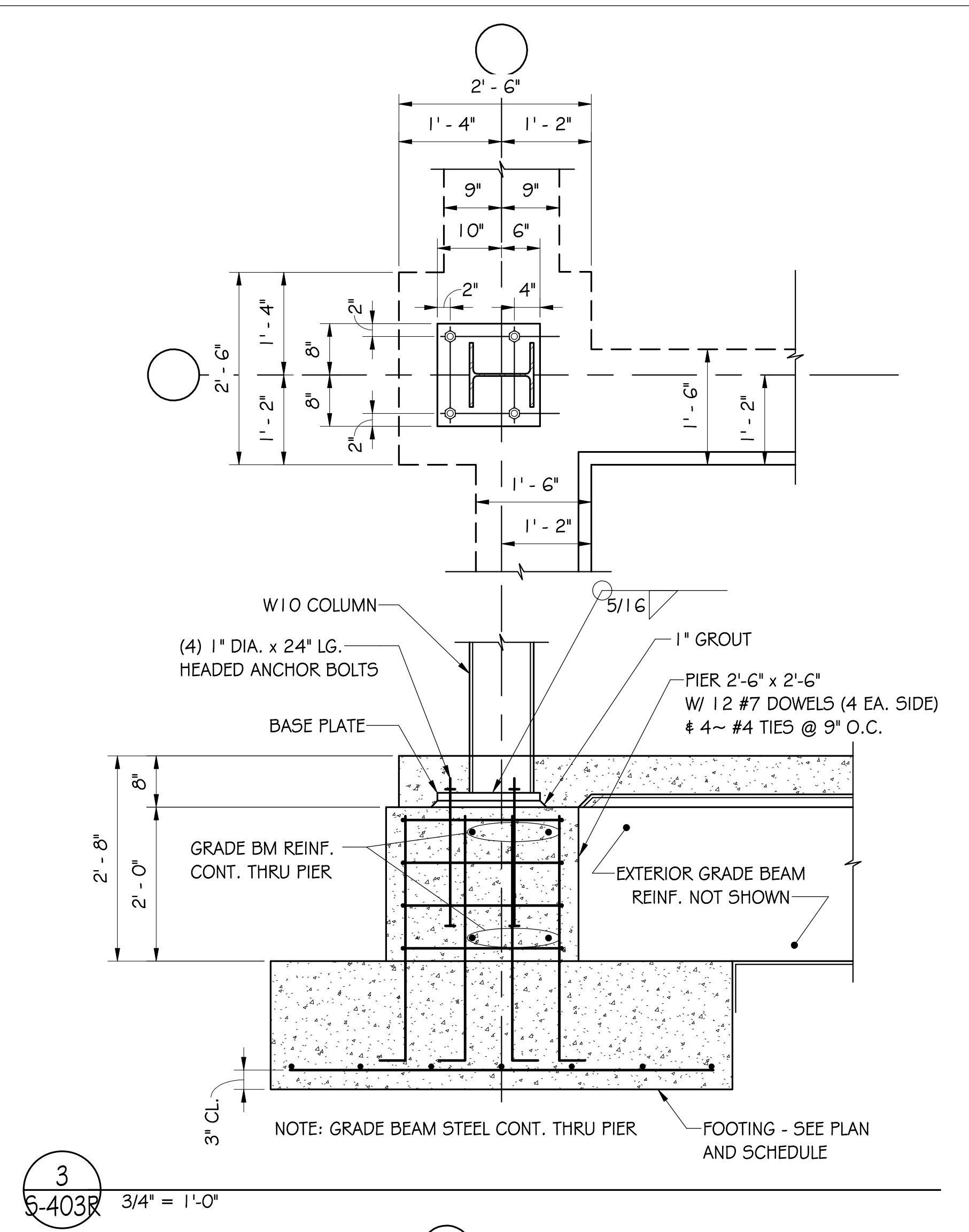
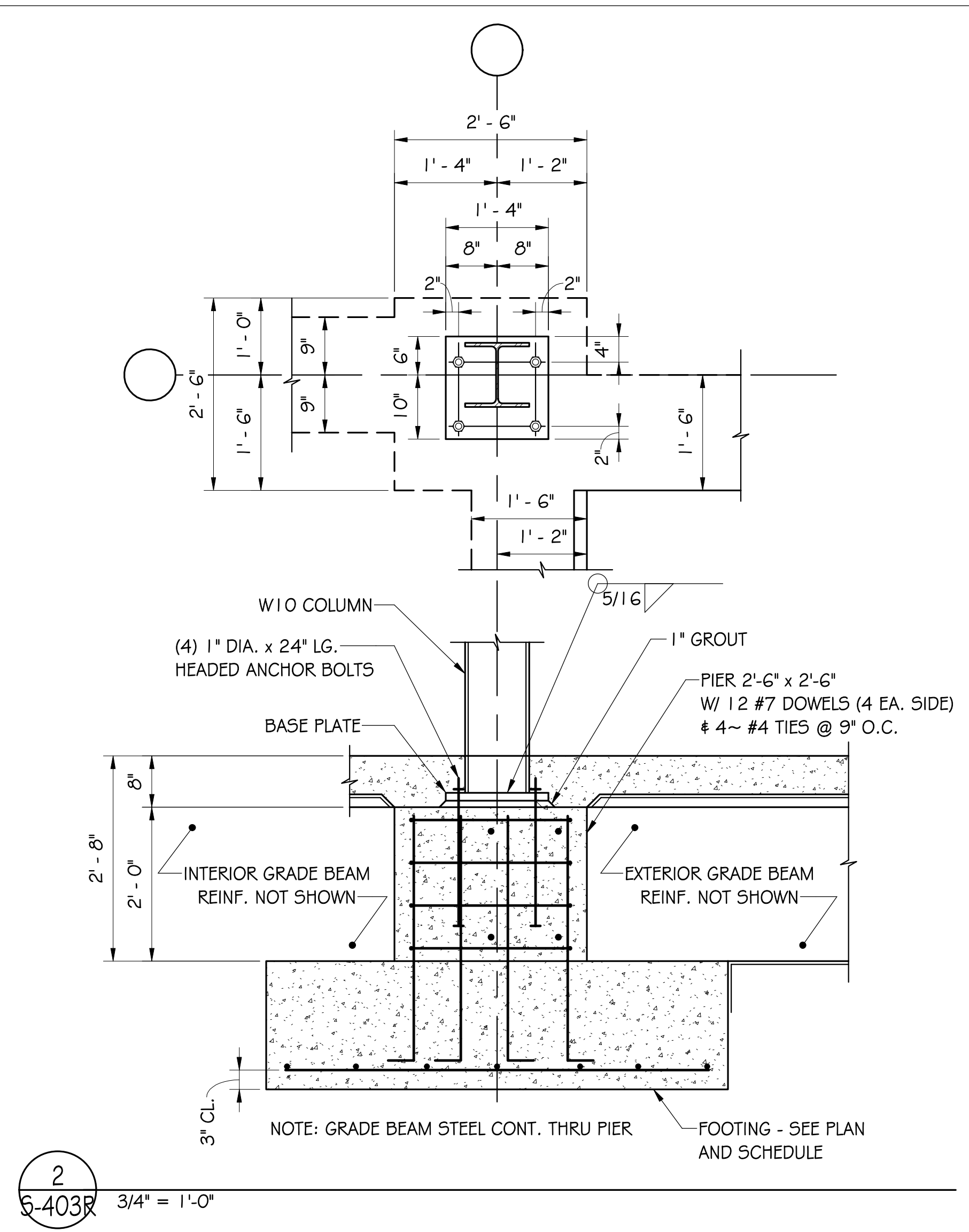
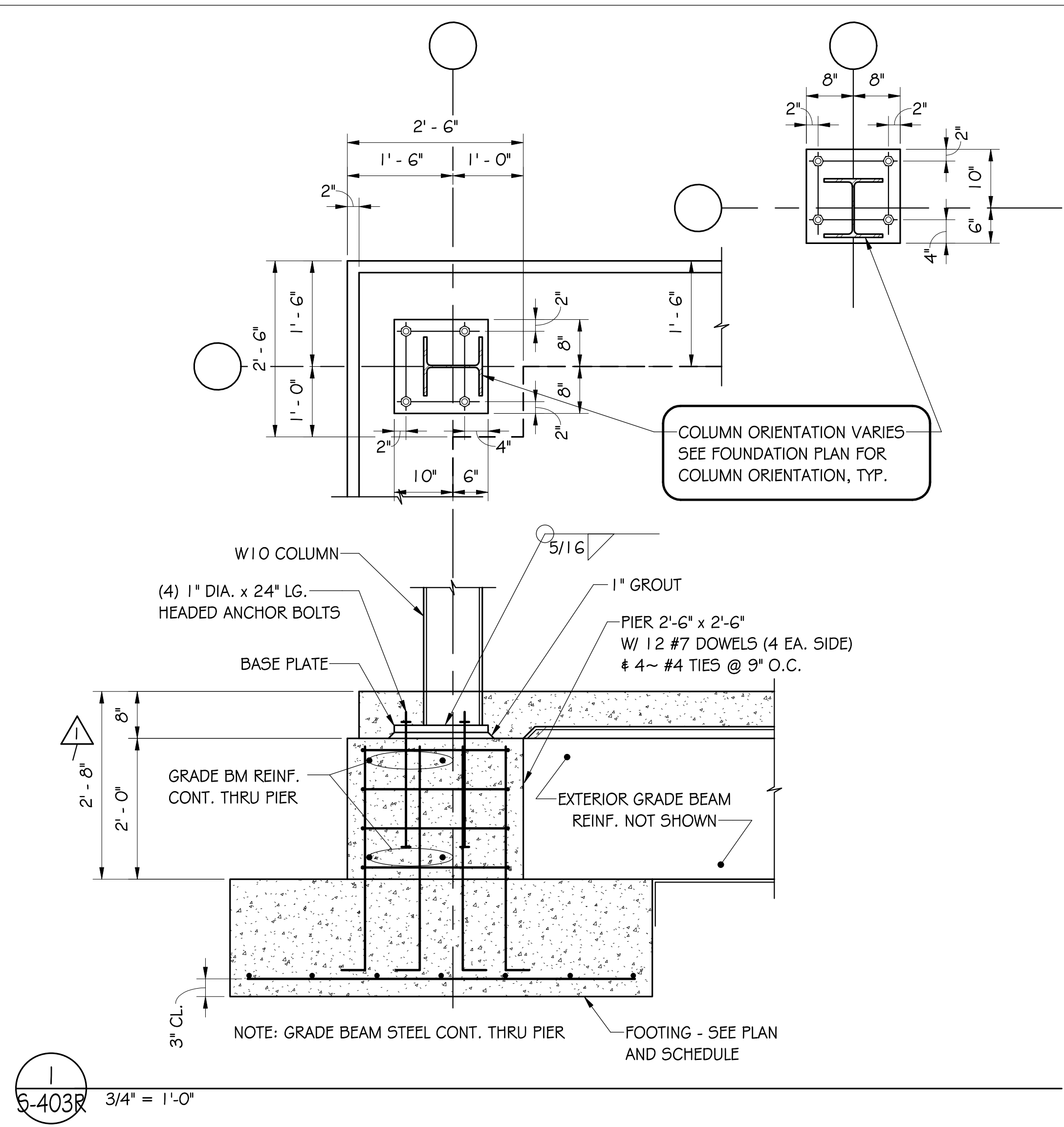
2811 Airport Blvd. South St.
 Meridian, MS 39307

FOUNDATION DETAILS

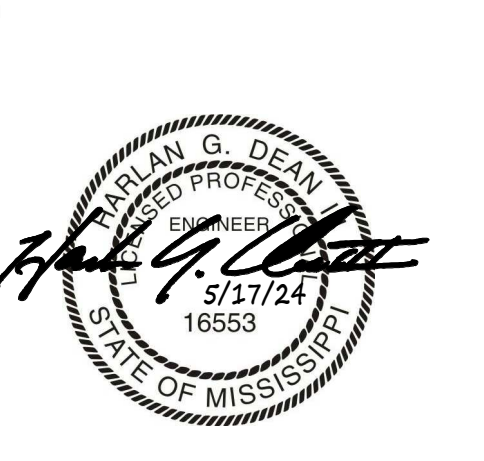
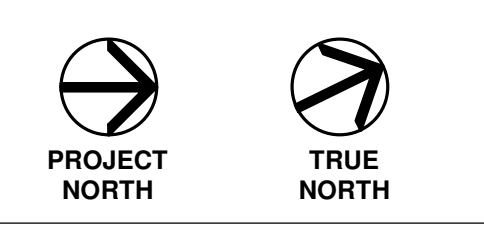
Project No. 23-002 Date: 05/17/2024

S-201R

6-18-24 MODIFY FOOTING SIZES / ELEVATIONS TO COINCIDE W/ CIVIL DRAWINGS



KEY PLAN



No.	Description	Date
1	100% Schematic Design	2/22/24
2	100% Design Development	4/12/24
3	100% Construction Documents	5/17/24
4	Addendum No. 2	6/18/24

MERIDIAN AIRPORT AUTHORITY

NEW TERMINAL

2811 Airport Blvd. South St.
 Meridian, MS 39307

COLUMN DETAILS

Project No: 23-002 Date: 05/17/2024

S-403R

6-10-24 MODIFY FOOTING SIZES / ELEVATIONS TO COINCIDE W/ CIVIL DRAWINGS

ADVANTAGES:

- **Modular Components**
- **Robust Construction**
- **Flexible Configurations**

OVERVIEW:

The pallet loop conveyor features a recirculating loop of crescent shaped pallets linked together, providing an endless, articulating conveyor surface which can be configured to many shapes. This unit is suitable for baggage claim and baggage make-up functions in airports of all sizes.

Normally operating speed of 90 feet per minute, and capable of traveling clockwise or counter-clockwise, the device can be either manually or automatically loaded.

Manufactured with durable materials, finished to the highest standards, and complimented with leading-edge mechanical and electrical components, this robust and reliable design meets or exceeds all industry standards.



GENERAL

The conveying surface is comprised of individual crescent shaped pallets that are mechanically fastened to an underlying series of carriages. Any number of carriages can be linked together to provide an endless set of linkages, completing a continuous conveying loop.

Each carriage and pallet assembly is supported by two parallel, load-carrying wheel raceways. Populated with wheels every 4" (102mm), the result is a minimum of ten wheels supporting the pallet and its load at any point along the conveyor's length. The large number of support wheels provides superior load bearing capabilities, reduced friction, and smooth, quiet operation.

The center guide wheels are constructed using a high density polyurethane tire molded onto a precision, sealed-for-life ball bearing.

PALLETS

Each pallet contains a structural steel core that is accurately molded and suspended in black polyurethane, resulting in a consistent skin depth of 0.075" (2mm) that is finished flat and true.

The quality controlled pallets meet and exceed the dynamic and static loads specified for pallet loop conveyors, supporting a dead weight of 250 pounds (113.4 kg) and a live load of 85 pounds per foot (126.49 kg/m), while experiencing no undue deflection or damage.

The overall pallet design results in superior strength and provides the wear and abrasion resistance to withstand both known and anticipated wear and tear in modern airport terminals.

Pallets are typically manufactured with a 1/4" (6mm) steel core with an overall nominal thickness, of 3/8" (10mm), after the moulding process.

CARRIAGES

Carriages are fabricated from mild steel, machined to the designed 19½" (495mm) pitch-length, and then fitted with a self-aligning joint. A pair of drive-lugs, located on the underside and offset to one side, positively engages the drive chain. An electro-galvanized coating is applied to the finished carriage for lasting protection.

Each carriage is fashioned with a center guide wheel assembly which leads each pallet / carriage assembly along and around the pre-formed track way.

FRAMEWORK

The pallet loop framework, assembled in 9'-10⅞" (3000mm) long straight and 90° curve modules, is manufactured from formed and structural steel sections. The center guide rails and bed rails form a continuous, fully supported frame structure. The formed unit is mounted above the floor, and supported and levelled on robust threaded legs.

CONVEYOR TRIM / FINISHING

Pallet loops utilized for *baggage claim* functions are finished with 12 gauge stainless steel (type 304, # 4 brush finish) in public areas, and in areas unseen by the public, 12 gauge galvanized mild steel is used.

Pallet loops utilized for *baggage make-up*, are finished in galvanized mild steel.

An optional guard rail provides protection from baggage carts and tugs potentially causing undue damage to the device. These can be placed at strategic locations or can be fully encompassing.

Typically, baggage is prevented from spilling into the center of the pallet loop by providing a formed, 7¼" (184mm) tall trim panel, usually forming part of an optional center infill.

CENTER INFILL

Pallet loops, intended for baggage claim functions, typically require the open center area to be enclosed and finished. This is accomplished by installing fire-rated, plywood decking material level with the top of the inner up-stand panelling, supported by a metal framework, and finished with decorative covering.

When a drive unit is installed in a public area, an access hatch is required over the motor / gearbox unit to allow for regular maintenance.

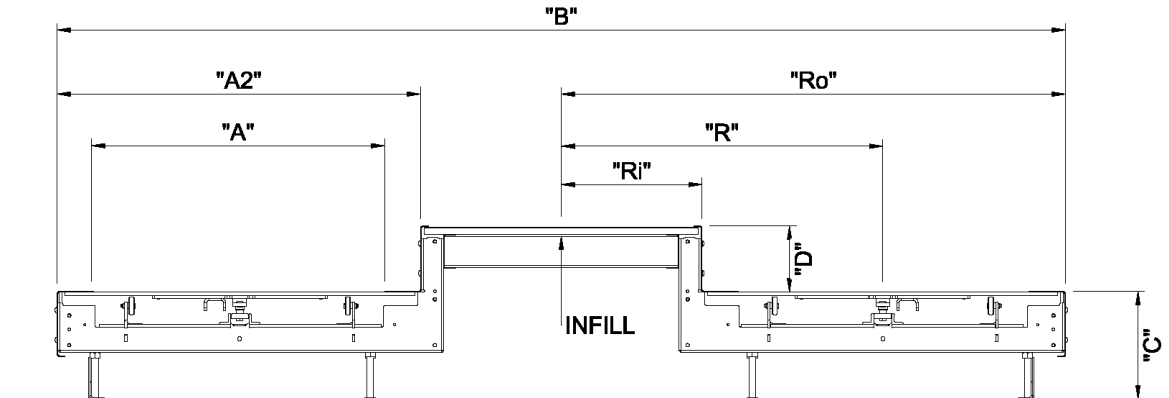
DRIVE

The pallet loop drive module incorporates the proven caterpillar drive principal, where an endless chain meshes with and drives against lugs affixed to the underside of the carriages. No less than two carriages are positively engaged at any time, resulting in a direct mechanical link between the gear motor and the conveying surface.

Powered by a direct drive motor / gearbox, assembly selected for reliability, low noise characteristics and ease of maintenance, the unit is complimented by a variable frequency drive (VFD). This combination provides the speed reduction required and an electronic soft start / stop function, allowing for smooth acceleration and deceleration, with minimal shock loading. In situations where dual drives are required a single VFD is used to synchronize both motors.

As an added benefit, the unit can be adjusted down to 1-2 fpm (0.005-0.010 mps) for inspection and maintenance.

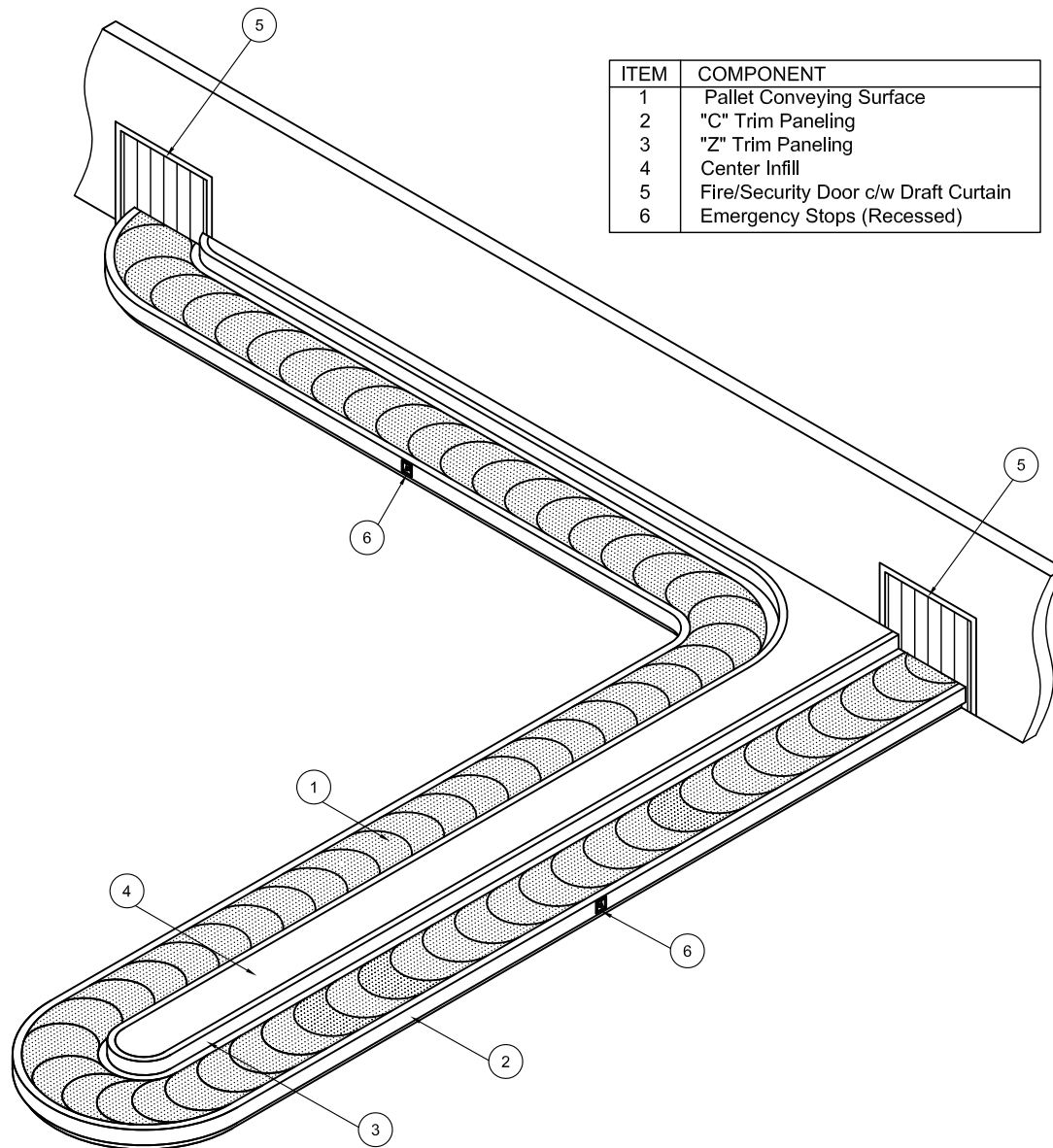
The gear motor and wall mounted control cabinet are *typically* located on the non-public side of operations to accommodate regular access and maintenance. Other drive methods are available, but this is the proven and preferred method.



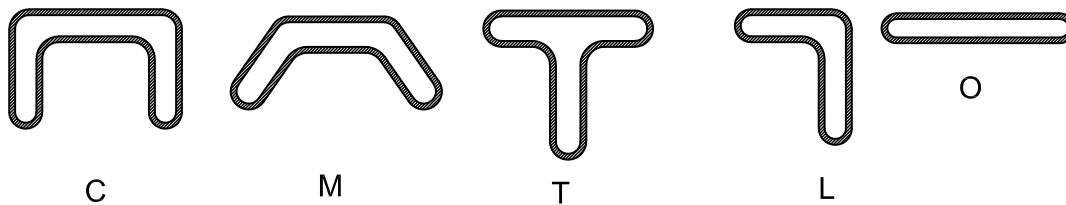
PALLET LOOP CONVEYOR SPECIFICATIONS	
Description	G&S Standards
Dimensions	
Exposed Moving Width ("A")	32 3/8" (823mm)
Effective Conveying Width ("A2")	40 1/2" (1029mm)
Overall Width ("B")	9' 4 11/16" (2862mm) minimum
Floor to Pallet Height ("C")	12" (305mm) minimum
Inner Trim Panel Height ("D")	7 1/4" (184mm)
Centerline Radius ("R")	36" (914mm)
Inner Radius ("Ri")	15 7/8" (403mm)
Outer Radius ("Ro")	56 3/8" (1431mm)
Standard Module Length	9' 10 1/8" (3000mm)
Specifications	
Speed	90 ft/min (27.43 m/min) Variable
Pallet Pitch	19 1/2" (495mm)
Pallet Core Material	1/4" (6mm) Structural Steel
Pallet Outer Material	Black Polyurethane

Materials & Finish		
Application	Public View	Non-Public View
Trim / Finish	12 ga Stainless Steel, Type 304, #4 Brush Finish	12 ga Mild Steel, Galvanized
Toe Kick	6" (152mm) Black Cove Base on 12 ga Mild Steel, Galvanized	12 ga Mild Steel, Galvanized

PALLET LOOP CONVEYOR

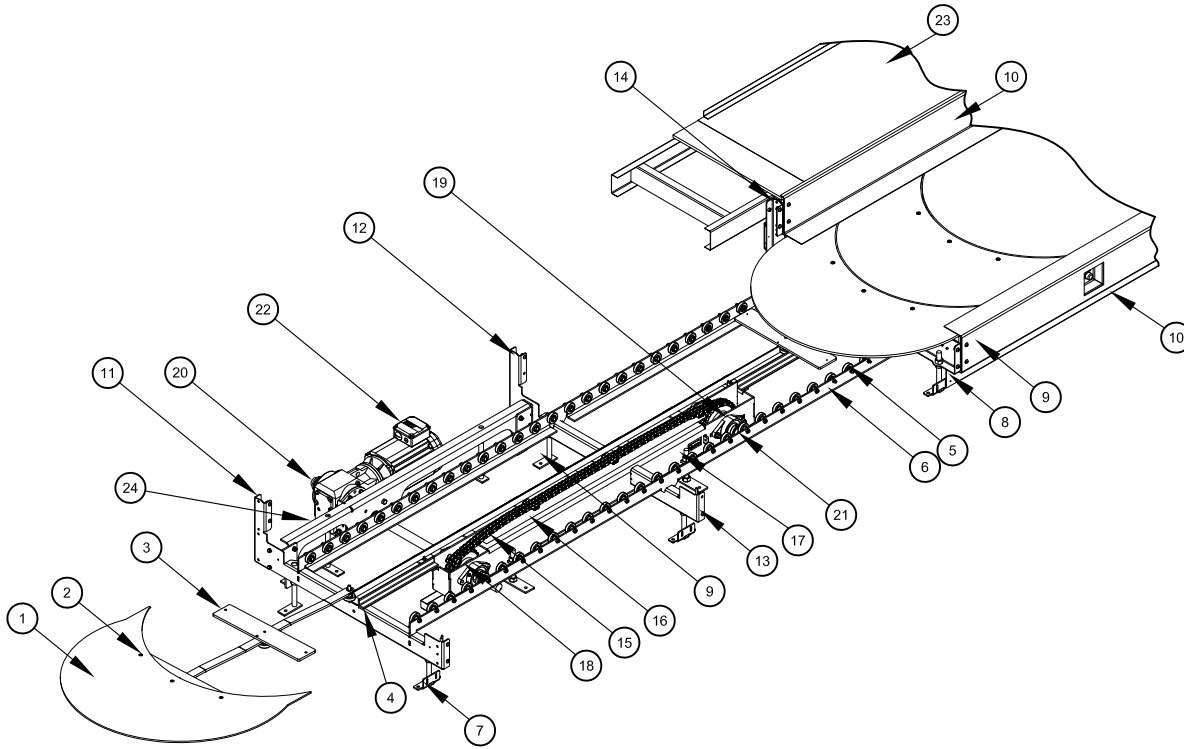


ITEM	COMPONENT
1	Pallet Conveying Surface
2	"C" Trim Paneling
3	"Z" Trim Paneling
4	Center Infill
5	Fire/Security Door c/w Draft Curtain
6	Emergency Stops (Recessed)



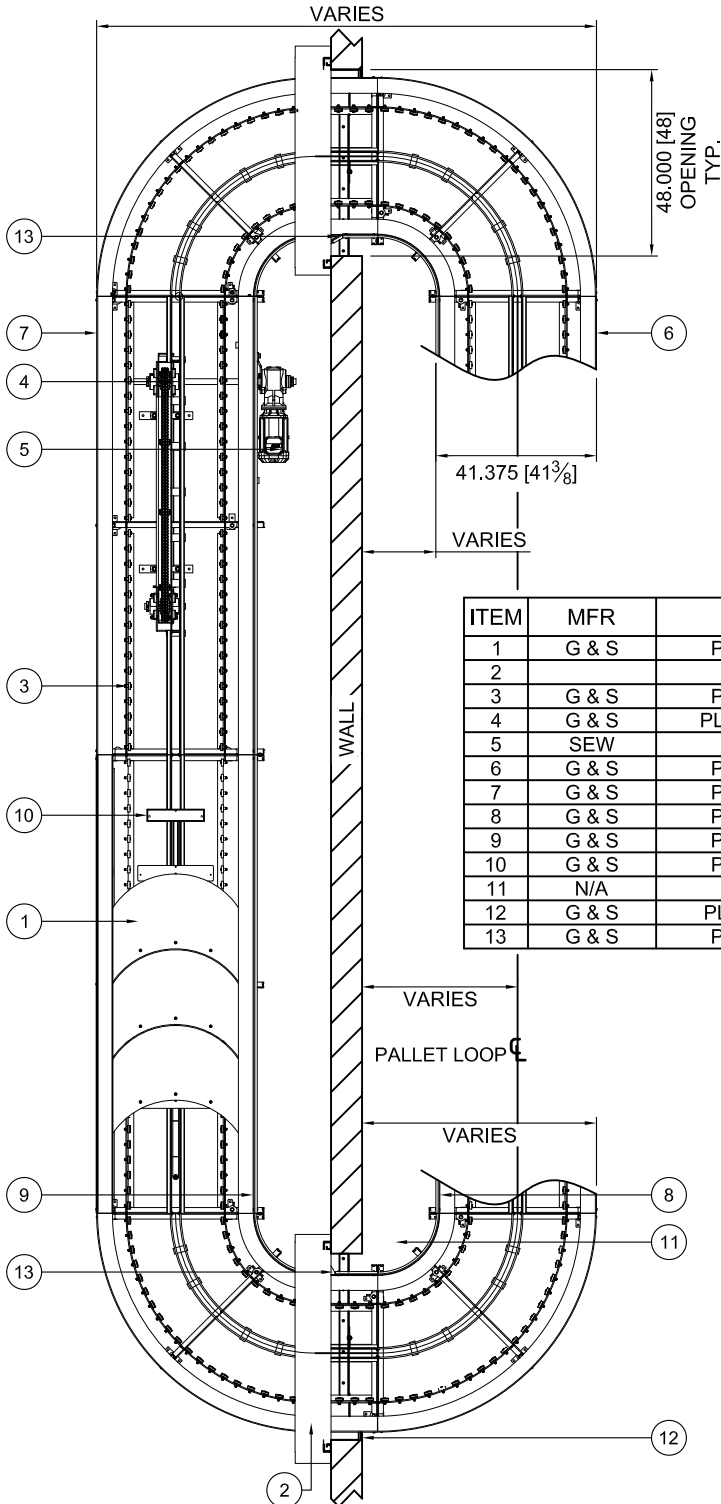
TYPICAL PLAN LAYOUTS

PALLET LOOP DRIVE



ITEM	MFR	PART #	DESCRIPTION
1	G & S	PL03-0200	Pallet (TYP)
2	G & S	5/16 UNC - 3/4" SS	Pallet Countersunk Screws
3	G & S	PL03-0100	Carriage Assembly (TYP)
4	G & S	PL05-2100	Guide Rail
5	G & S	PL02-0100	Support Wheels
6	G & S	PL05-1110	Bed Rail
7	G & S	PL07-1100W	Leg Weldment
8	G & S	PL09-1012	Galv'd Toe Kick
9	G & S	PL07-1000	"C" Trim
10	G & S	PL07-2007	"Z" Trim
11	G & S	PL04-1110-7L	7" LH Spreader
12	G & S	PL01-1320-7CW	7" Inside Drive Spreader - CW
13	G & S	PL01-1310-0CW	0" Outside Drive Spreader - CW
14	G & S	PL04-1110-7R	7" RH Spreader
15	G & S	PL01-2000A	Caterpillar Drive Chain Assembly
16	G & S	PL01-3110	UHMWPE Drive Ramp
17	G & S	PL01-1000A1	Drive Module Assembly
18	G & S	PL01-4110	Drive Sprocket
19	REXNORD	FX3Y224N	Bearing (Two-Bolt)
20	G & S	PL01-4220	Drive Shaft
21	G & S	PL01-4210	Idler Shaft
22	SEW		Shaft Mount Motor/Gearbox Assembly
23	N/A	N/A	Infill Decking (Public Side Only)
24	G & S	PL01-5400SA	Gearbox Drip Tray Assembly

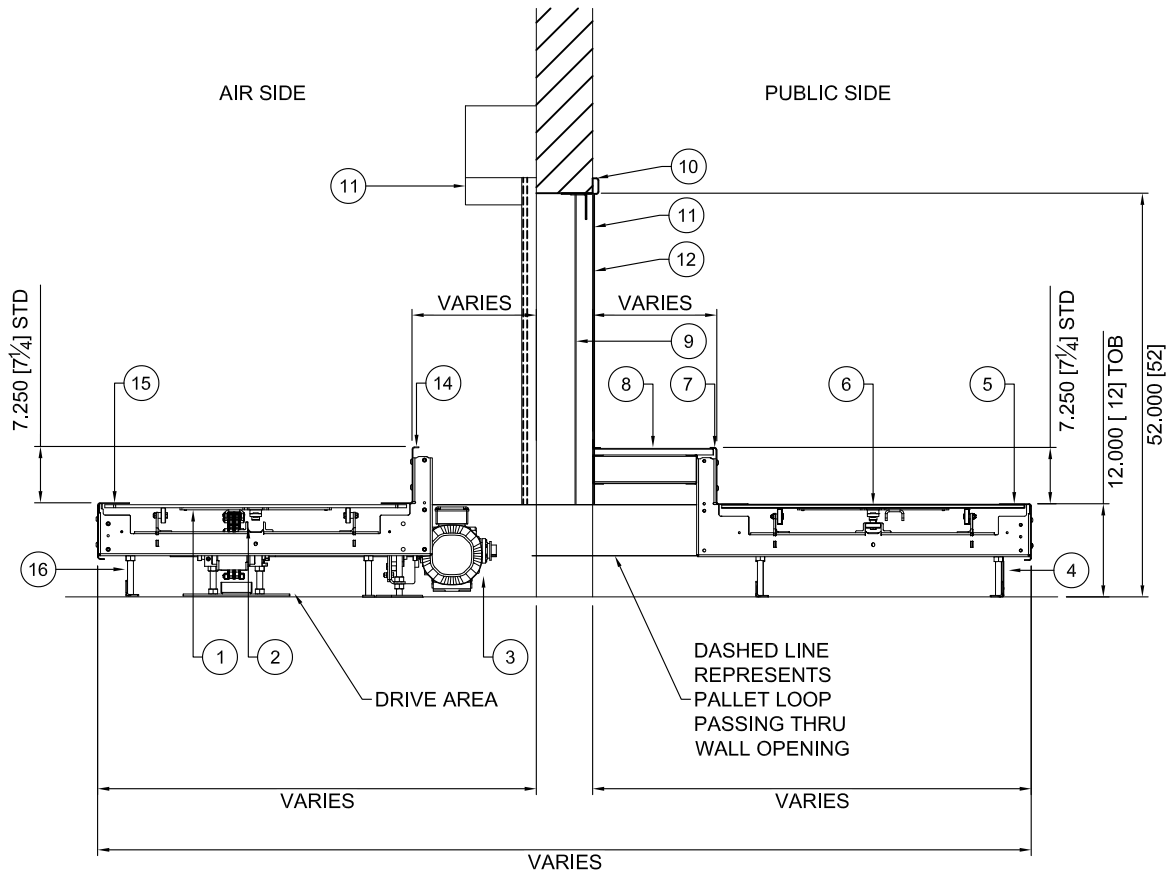
PLAN VIEW OF A THRU-WALL PALLET LOOP CONVEYOR



ITEM	MFR	PART #	DESCRIPTION
1	G & S	PL03-0200	Pallet (TYP)
2		N/A	Fire / Security Door
3	G & S	PL02-0100	Support Wheels
4	G & S	PL01-1000A1	Drive Module Assembly
5	SEW		Shaft Mount Motor/Gearbox Assembly
6	G & S	PL07-1000	"C" Trim
7	G & S	PL07-1100	"C" Trim
8	G & S	PL07-2007	"Z" Trim
9	G & S	PL07-2107	"Z" Trim
10	G & S	PL03-0100	Carriage Assembly (TYP)
11	N/A	N/A	Infill Carpeting / Stainless (By Others)
12	G & S	PL12-1000A	Fire Stop Assembly
13	G & S	PL07-2017	7" Z Trim Flare

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SECTION VIEW OF A THRU-WALL PALLET LOOP CONVEYOR



ITEM	MFR	PART #	DESCRIPTION
1	G & S	PL03-0100	Carriage Assembly (TYP)
2	G & S	PL02-0100U	Center Guide Assembly
3	SEW	SA67 - DRE100L41	Shaft Mount Motor/Gearbox Assembly
4	N/A	N/A	6" Rubber Cove Base on Galv. Steel Toe Kick
5	G & S	PL07-1000	"C" Trim
6	G & S	PL03-0200	Pallet (TYP)
7	G & S	PL07-2007	"Z" Trim
8	N/A	N/A	Infill Carpeting / Stainless (By Others)
9	NECOR	80S	Draft Curtain
10	G & S	AD00-1110	Header
11	G & S	AD00-1120	Draft Curtain Trim
12	G & S	AD00-1130	Side Trim
13		N/A	Fire / Security Door
14	G & S	PL07-2107	"Z" Trim
15	G & S	PL07-1100	"C" Trim
16	G & S	PL09-1012	Galv'd Toe Kick

ADVANTAGES:

- **Unique, ergonomically designed, automated inspection platform**
- **Available in standard widths and normal working elevations**
- **Stainless steel and wood panelling finish**

OVERVIEW:

The customs inspections conveyor is a unique, ergonomically designed conveyor that is intended to serve as an automated means of advancing, inspecting and clearing passenger baggage through customs, immigration and agriculture check points.

Each unit is designed so that baggage can be opened and physically inspected by officers on the conveyor. Also, a flat-deck area, located at the end of the unit, serves as a location for opened baggage to be re-packed.

Typical configurations incorporate foot switch control for belt operation and toggle switches for lane and 'assistance requested' indicators. Various options for system controls and indicators are available.

Upper portions of the conveyors are finished with stainless steel, while lower sections incorporate wood panels that can be finished with customer-selected laminates. To facilitate maintenance needs, access panels are conveniently located adjacent to drive components, and are easily removed.

All units are pre-wired and tested at the factory and are shipped ready to operate, once the unit is installed and power is connected.

ADVANTAGES:

- **Smooth, alternate means of redirecting baggage**
- **Available in matching standard belt widths**

OVERVIEW:

Tapered roller assemblies are an alternative means of transferring baggage through minor angular changes in flow, without affecting the orientation of the baggage relative to the conveying surface. These are commonly used to minimize the gap between two adjacent skewed conveyors, or to span a deviation angle that is less than power curves are capable of.

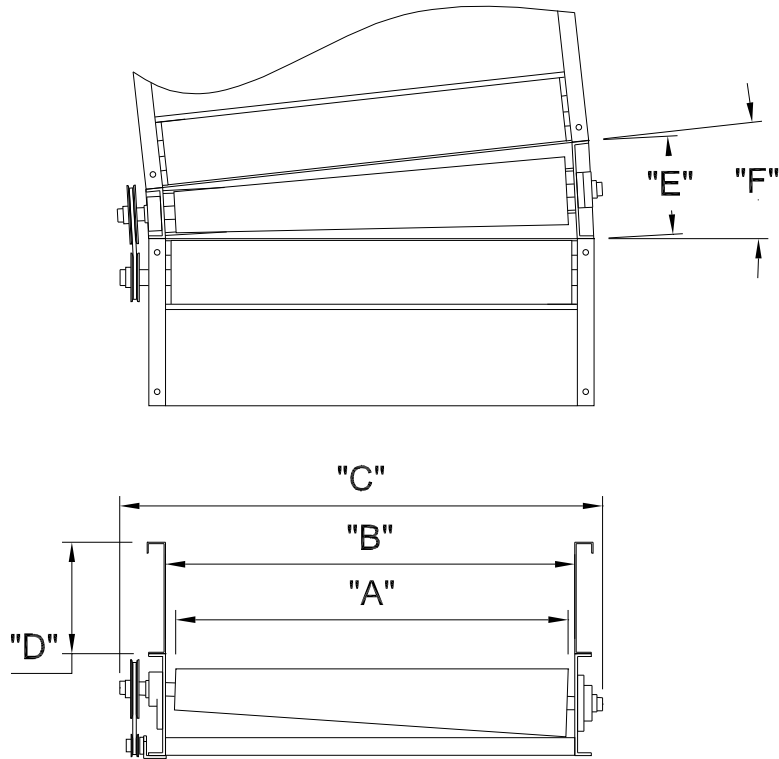
Available for all standard conveyor widths, tapered roller can be single, double or triple roller combinations with the following angular ranges:

- Single Roller: 3° to 6° deviation
- Double Roller: 7° to 11° deviation
- Triple Roller: 12° to 16° deviation

CONSTRUCTION

Tapered roller assemblies consist of lagged tapered rollers, which are slave-driven from the preceding conveyor and mounted in a rigid, mild steel frame.



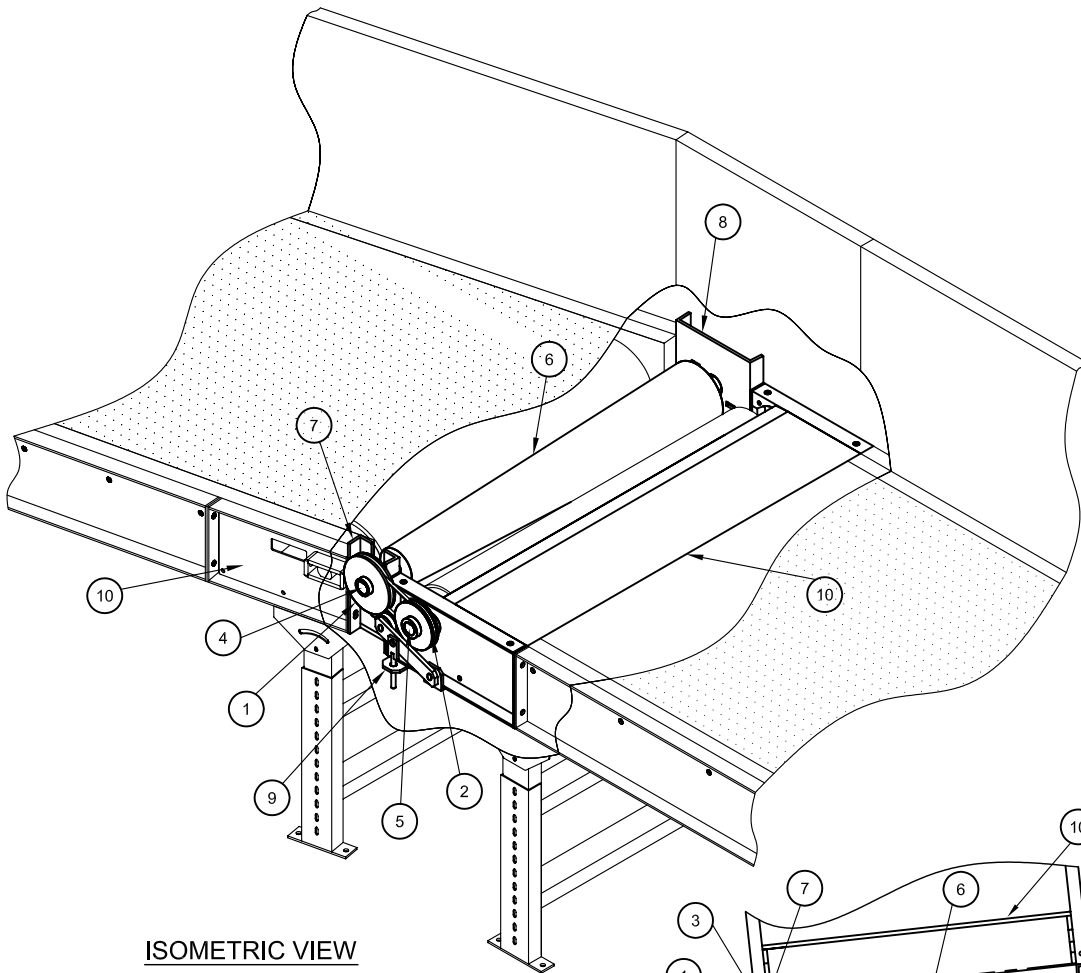


* Single Taper Roller Shown

TAPERED ROLLER ASSEMBLY SPECIFICATIONS	
Description	G&S Standards
Dimensions	
Belt Width ("A") **	30" (762mm), 33" (838mm), 36" (914mm), 48" (1219mm)
Betw een Frame Width ("B")	33"(838mm), 36" (914mm), 39" (991mm), 51" (1295mm)
Overall Width ("C")	36" (914mm), 39" (991mm), 42" (1067mm), 54" (1372mm)
Sideguard Height ("D")	0" (0mm), 9" (229mm), 12" (305mm), 21" (533mm)
Conveyor Length ("E")	Single - 8 13/16" (224mm) Double - 17 5/8" (448mm) Triple - 26 7/16" (671mm)
Deviation Angle ("F")	Single - 3°-6° Double - 7°-11° Triple - 12°-15°
Rollers	
Tapered Roller CL. Dia (lagged)	Ø3.8" (97mm), Ø3.6" (91mm), Ø4.1" (104mm), Ø5.4" (137mm)
Specifications	
Speed	To suit adjacent conveyor

** Other belt widths available with extended lead times.

TAPERED ROLLER ASSEMBLY



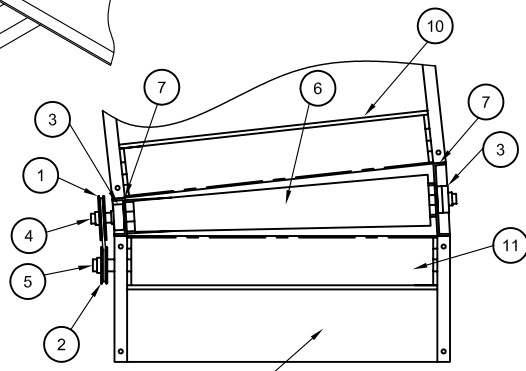
ISOMETRIC VIEW

(Single Roller Shown.
Double or Triple Rollers Available as
Required by System Layout)

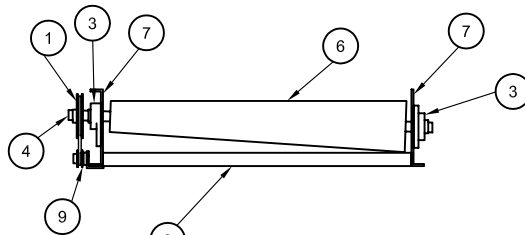
ITEM	COMPONENT
1	*Driven Sheave/Sprocket
2	Driver Sheave/Sprocket
3	Bearing
4	Tapered Roller Shaft
5	Custom GT Tail Shaft
6	Lagged Tapered Roller
7	Side Frame
8	Crossmember
9	Take-up Assembly
10	GT Tail Unit
11	GT Tail Roller

****Note: Tapered Roller is "Slave"
Driven from Tail of Adjacent
Conveyor.**

*Design is dependant on site
conditions and access.



TOP VIEW



SIDE VIEW

Helio Bollard, Series 600

LBHLO-603-N

Quantity: Coordinate with drawings.

Weight: 35.00 lbs.

Dimension: DIAMETER-6"

Overall Height-40"

Configuration: Non-Illuminated

Color Temperature: Not Applicable

Light Distribution: Not Applicable

Body Material: Stainless Steel

Body Finish: Satin With Ceramiloc Treatment

Mounting: Surface Mount With J-bolts





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The Automatic Choice

ARCHITECTURAL DETAILS

PEDESTRIAN EXIT LANE SECURITY SYSTEM

SEL™ Secure Exit Lane - Single Lane
1-Way Security Control with Directional
Control and Object Detection

H13.01

June 20

Standard Packages

Overall Unit Length	Overall Unit Width	Distance Between Doors (Corridor)	Overall Unit Height	Clear Door Opening
21'-0" (6401)	5'-3" (1600)	16'-0" (4877)	7'-6" (2286)	3'-6" x 7'-0" (1067 x 2134)
Glazing: Door Panels prep'd for 1/4" (6) and Exit Lane Walls prep'd for 3/8" (10) Optional Bullet Resistant Glazing prep. 1-5/16" (33) - Door Panels and Exit Lane Walls (Standard: Glass by others, Optional: Glass by Horton)				
Door Panel: Narrow Stile with 4" Bottom Rail. Optional Roof: Aluminum panel sections covering top of SEL.			Finish: 215-R1 Clear Anodized See Architectural Specifications H1.01	

Installation

- **Electrical:** 120 VAC, 60 Hz, 15 Amp Service on a dedicated circuit.
- **Frame Opening:** Overall Width plus 1/4" Shim at each Jamb; Overall Height plus 1/4" Shim at Header.
- **Note:** The Secure Exit Lane is an Independent Unit that must not be subjected to additional structural load-bearing forces.
- **Floor Area:** at installation location must be smooth and level.
- Installation of SEL must be performed by qualified technicians trained by Horton Automatics (the Manufacturer).

Operation

The Security Exit Lane (SEL) manufactured by Horton Automatics, is a Breach Control Secure Exit Lane System that directs pedestrian traffic in one direction and inhibits traffic in the opposing direction.

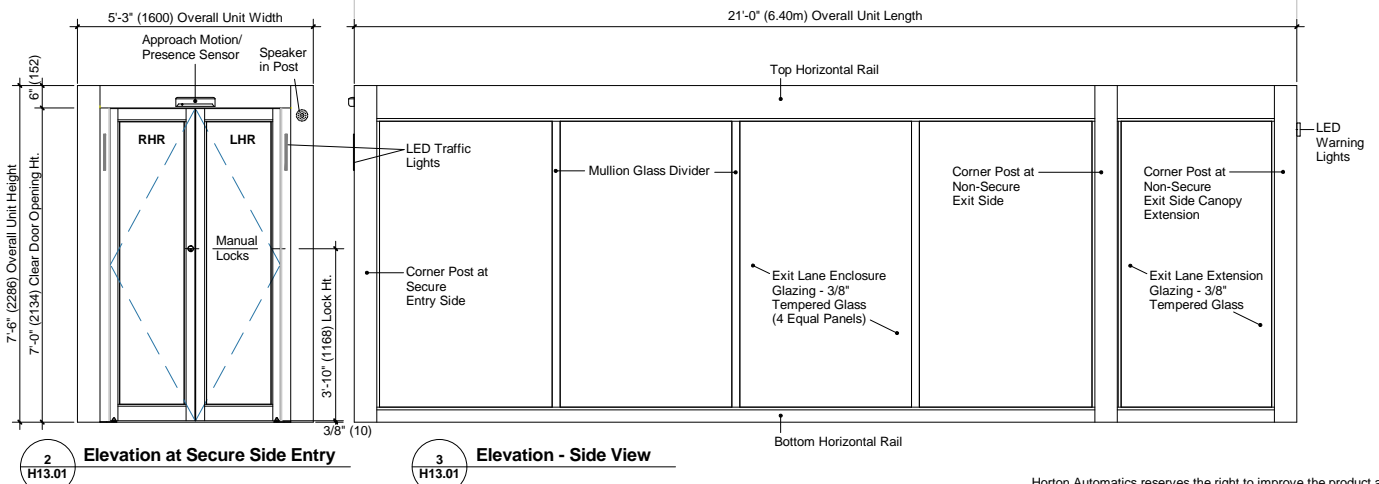
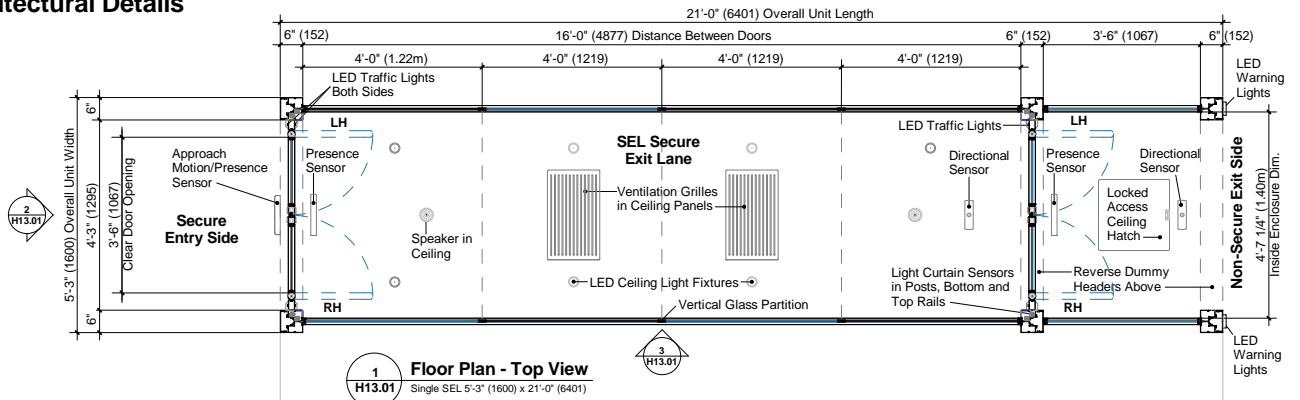
The SEL consists of a pair of automatic swing doors for both the Entry and Exit side, an enclosed glass exit lane between the two pair of doors and a canopied area beyond the Exit Door. Visual LED traffic light fixtures and audio annunciators provide assistance in directing pedestrians through the SEL.

A series of motion, presence, directional and light curtain detection sensors combine to provide the ultimate security against unauthorized breach into a secure area.

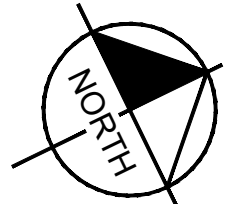
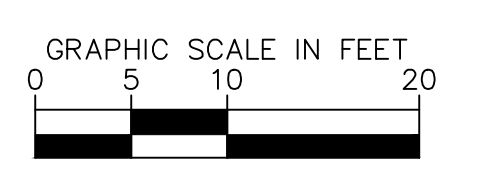
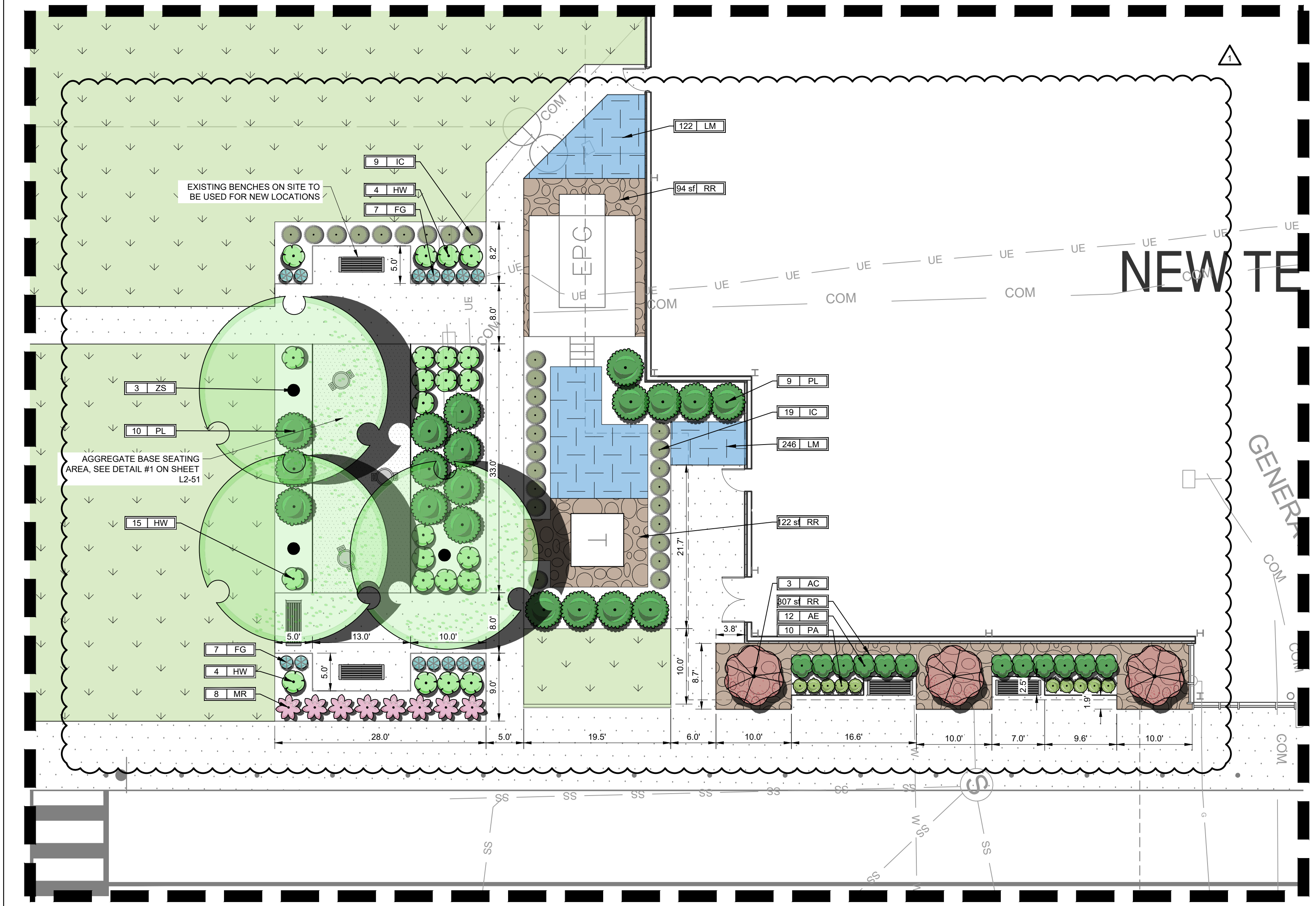
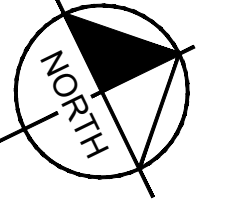
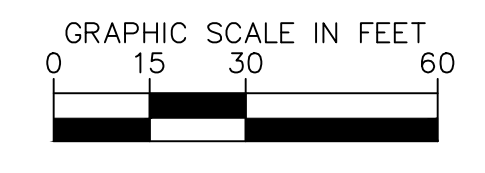
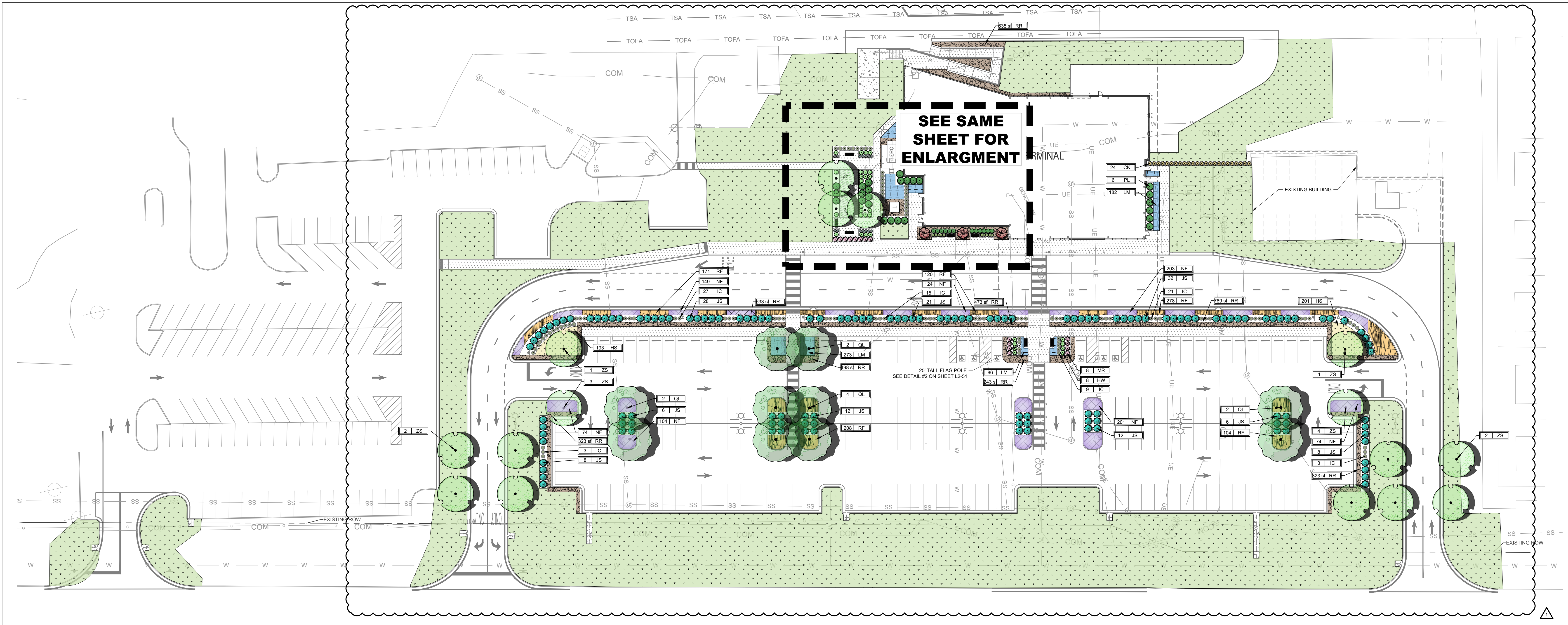
Features

- Pedestrian Traffic Detection: Presence, Directional (Wrong-Way).
- Static Object Detection: Floor, Ceiling, and Walls.
- LED Corridor Lighting: Eight Recessed Ceiling Mounted.
- LED Green/Red Traffic Lights: Located at each door.
- Voice Annunciation Warnings: Speakers in Ceiling and Jamb.
- Remote Monitoring.
- Internal Uninterruptible Power Supply.
- Ceiling: Aluminum Clad on 3/4" Plywood.
- Locks: Maximum Security Manual Locks and Automatic 'Fail-Secure' Locks.
- 3-Position Keyswitch: Mode Select, Operation and Alarm Clear.
- 5 Modes of Operation: Locked, Open, Free Flow, Interlocked and Cleaning.

Architectural Details



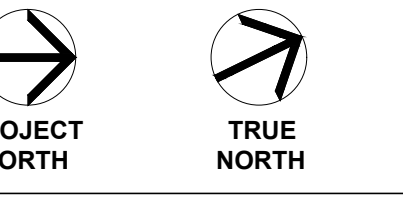
Horton Automatics reserves the right to improve the product and change its specifications without notice. Dimensions given in U.S. inches followed by millimeters in parenthesis or as noted.



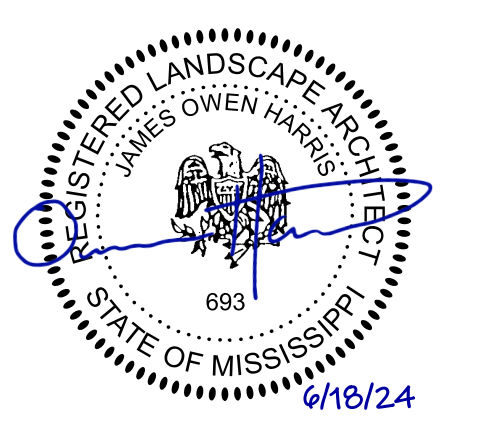
PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	ROOT	CONDITION
CANOPY TREES							
	QL 10	QUERCUS LYRATA	OVERCUP WHITE OAK	AS SHOWN	2" CAL. MIN; 8'-10" HT.	B&B	FULL CANOPY, MATCHED
	ZS 16	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE SAWLEAF ZELKOVA	AS SHOWN	2" CAL. MIN; 8'-10" HT.	10'-12'	FULL, MATCHED
UNDERSTORY TREES							
	AC 3	ACER PALMATUM DISSECTUM 'CRIMSON QUEEN'	CRIMSON QUEEN JAPANESE MAPLE	AS SHOWN	1.5" CAL. MIN; 6'-8" HT.	B&B	FULL CANOPY, MATCHED
SHRUBS							
	AE 12	ASPIDISTRA ELIATOR	CAST IRON PLANT	3' O.C.	30" MIN. HT.	3 GAL.	MATCHED, FULL, FREE OF WEEDS
DECIDUOUS SHRUBS							
	HW 31	HYDRANGEA QUERCIFOLIA 'MUNCHKIN'	OAKLEAF HYDRANGEA	3' O.C.	30" MIN. HT.	3 GAL.	30"
EVERGREEN SHRUBS							
	IC 106	ILEX CORNUTA 'SOFT TOUCH'	SOFT TOUCH HOLLY	#3 CONT.		18-21"	21-24"
	JS 133	JUNIPERUS X PFITZERIANA 'SEA GREEN'	SEA GREEN JUNIPER	5' O.C.	30" MIN. HT.	CONT.	MATCHED, FULL
	PA 10	POLYSTICHUM ACROSTICHOIDES	CHRISTMAS FERN	3' O.C.	30" MIN. HT.	3 GAL.	MATCHED, FULL, FREE OF WEEDS
	PL 25	PRUNUS LAUROCARASUS 'OTTO LUYKEN'	OTTO LUYKENS LAUREL	5' O.C.	24" MIN. HT.	5 GAL.	MATCHED, FULL, FREE OF WEEDS
ORNAMENTAL GRASSES							
	CK 24	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	3' O.C.	30" MIN. HT.	CONT.	MATCHED, FULL
	FG 14	FESTUCA GLAUCA 'ELIJAH BLUE'	ELIJAH BLUE FESCUE	2' O.C.	1 GAL.		FULL, FREE OF WEEDS
	MR 16	MUHLENBERGIA CAPILLARIS 'REGAL MIST'	PINK MUHLY GRASS	3' O.C.	3 GAL.	CONT.	FULL, FREE OF WEEDS
GROUND COVERS							
	RR 4,141 SF	.....	TENNESSEE RIVER ROCK	AS SHOWN	4" - 8" ASSORTED FLATS & ROUNDS		NEUTRAL COLOR
	TI 78,211 SF	.....	'TIFWAY 419' BERMUDA	AS SHOWN	ROLLS OR SQUARES	SOD/TURF	TIGHT, SAND ROLLED JOINTS, FREE OF WEEDS & DEBRIS
	HS 394	.....	HEMEROCALLIS X 'STELLA DE ORO'	18" O.C.	4" POT		
	LM 909	.....	LIRIOPE MUSCARI 'BIG BLUE'	12" O.C.	4" POT		
PERENNIALS							
	NF 929	.....	NEPETA X FAASSENII 'WALKERS LOW'	18" O.C.	1 GAL.		
	RF 881	.....	RUDBECKIA FULGIDA 'GOLDSTURM'	18" O.C.	4" POT		

KEY PLAN



Seal



No.	Description	Date
1	Schematic Design	2/22/24
2	Design Development	4/12/24
3	Construction Documents	5/17/24
4	Addendum #2	6/18/24

MERIDIAN AIRPORT AUTHORITY

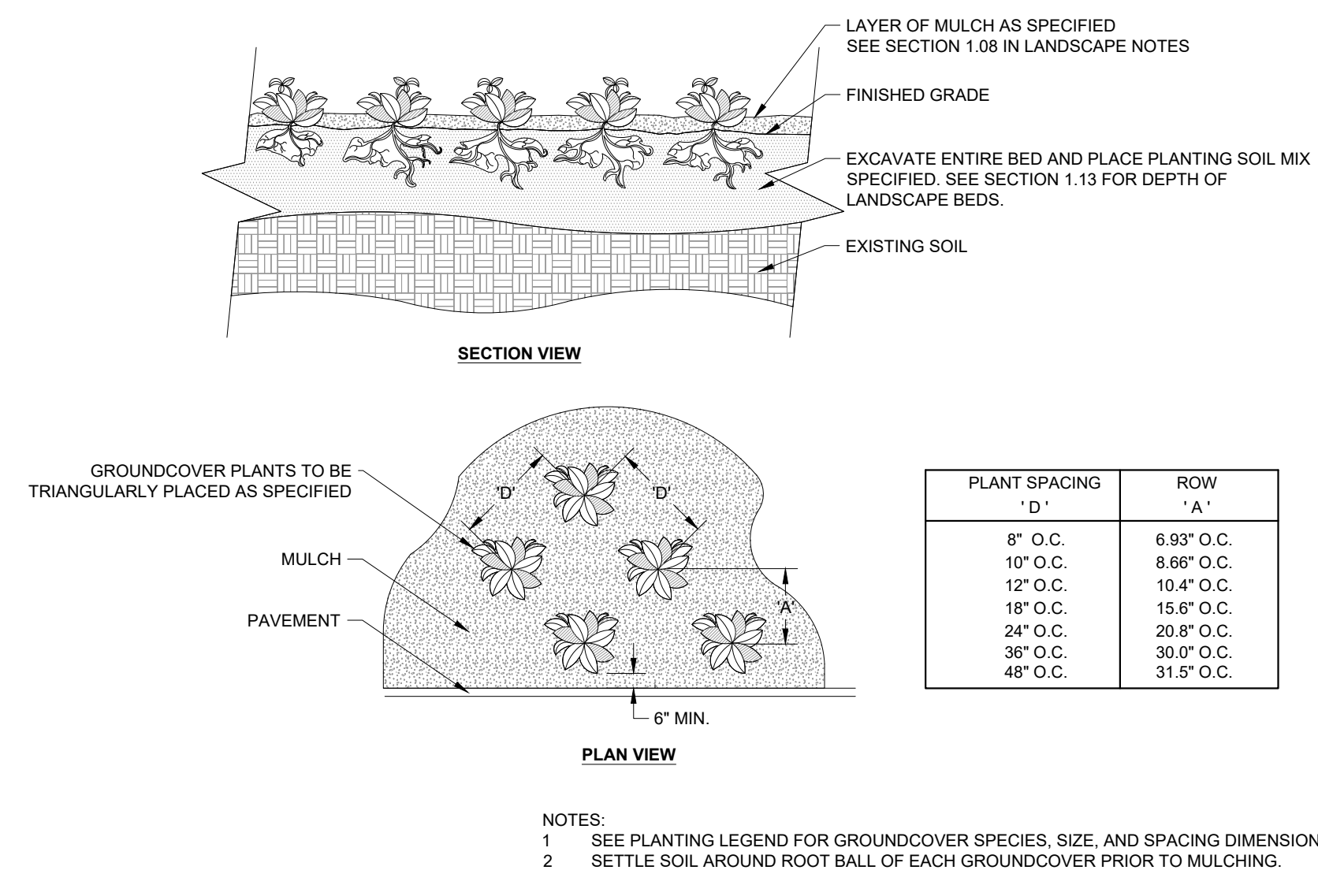
NEW TERMINAL

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LANDSCAPE PLAN

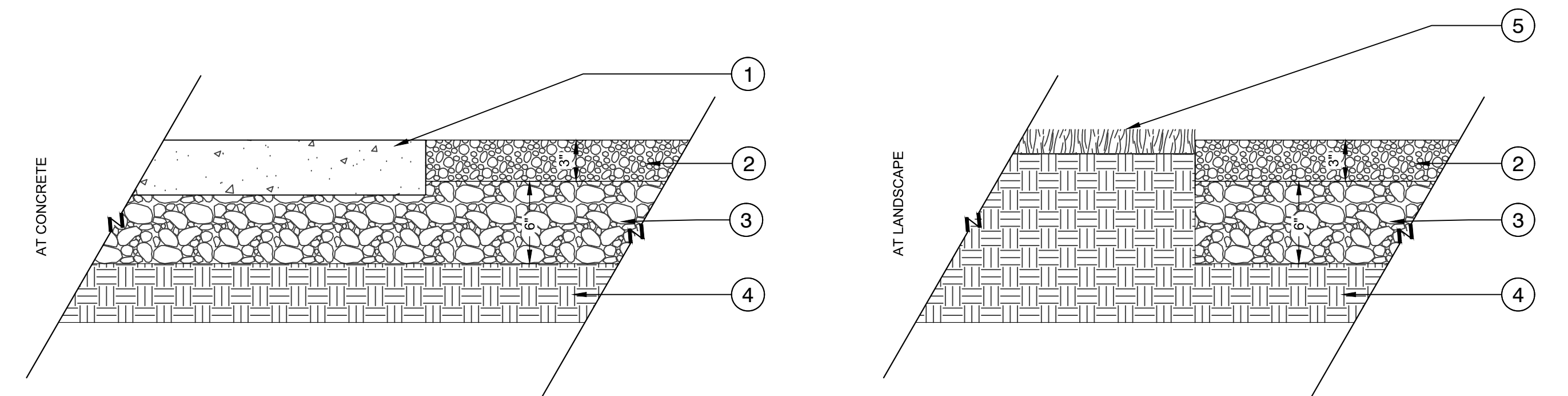
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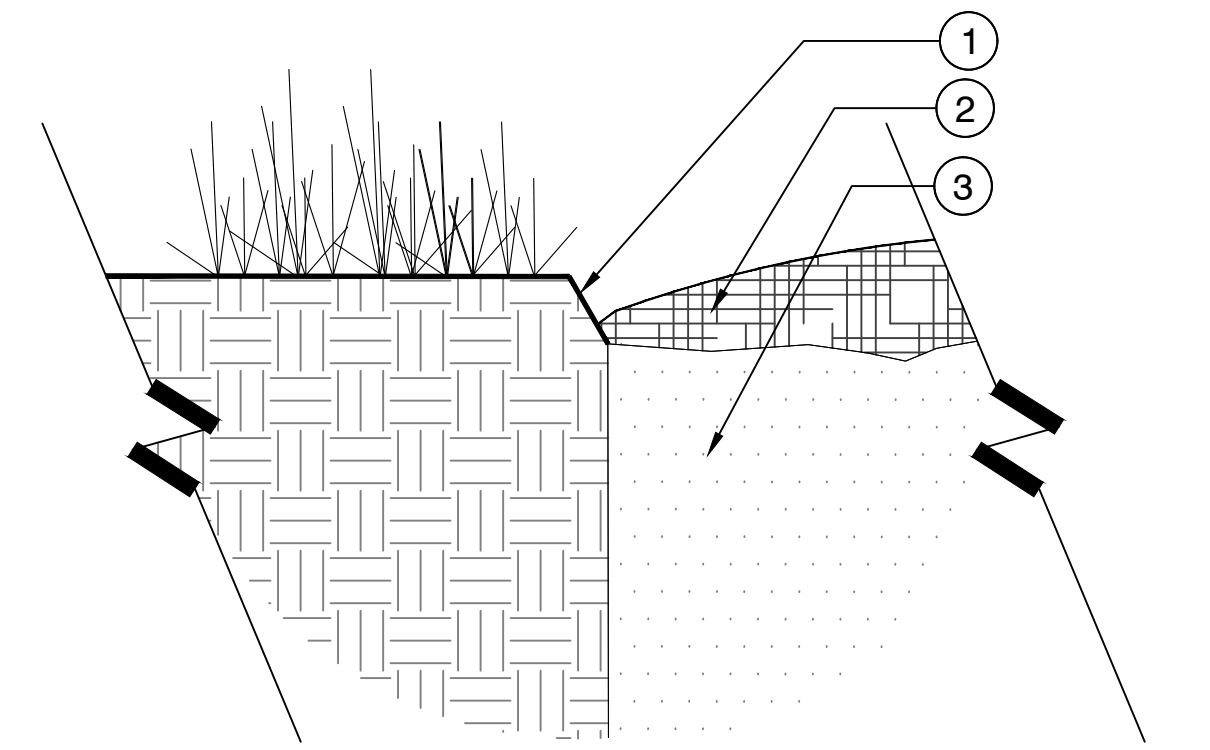
8 GROUNDCOVER PLANTING
 NOT TO SCALE

- 1 CONCRETE/PAVER SURFACING AS SPECIFIED ON PLANS. SEE HARDSCAPE DETAIL AND CALLOUT PLAN.
 - 2 MIN. 3" COMPACTED CRUSHED GRANITE. SEE PLANS FOR LOCATIONS.
 - 3 MIN. 6" COMPACTED AGGREGATE.
 - 4 95% MIN. COMPACTED SUB-GRADE AND AGGREGATE BASE. VERIFY WITH GEOTECHNICAL REPORT AND OWNER'S STRUCTURAL ENGINEER.
 - 5 LANDSCAPE AREA. SEE PLANS FOR LOCATIONS.
- SPECIFICATIONS:**
 MANUFACTURER - KAFKA GRANITE
 STYLE: STANDARD PATHWAY MIX
 COLOR: PEWTER GRANITE



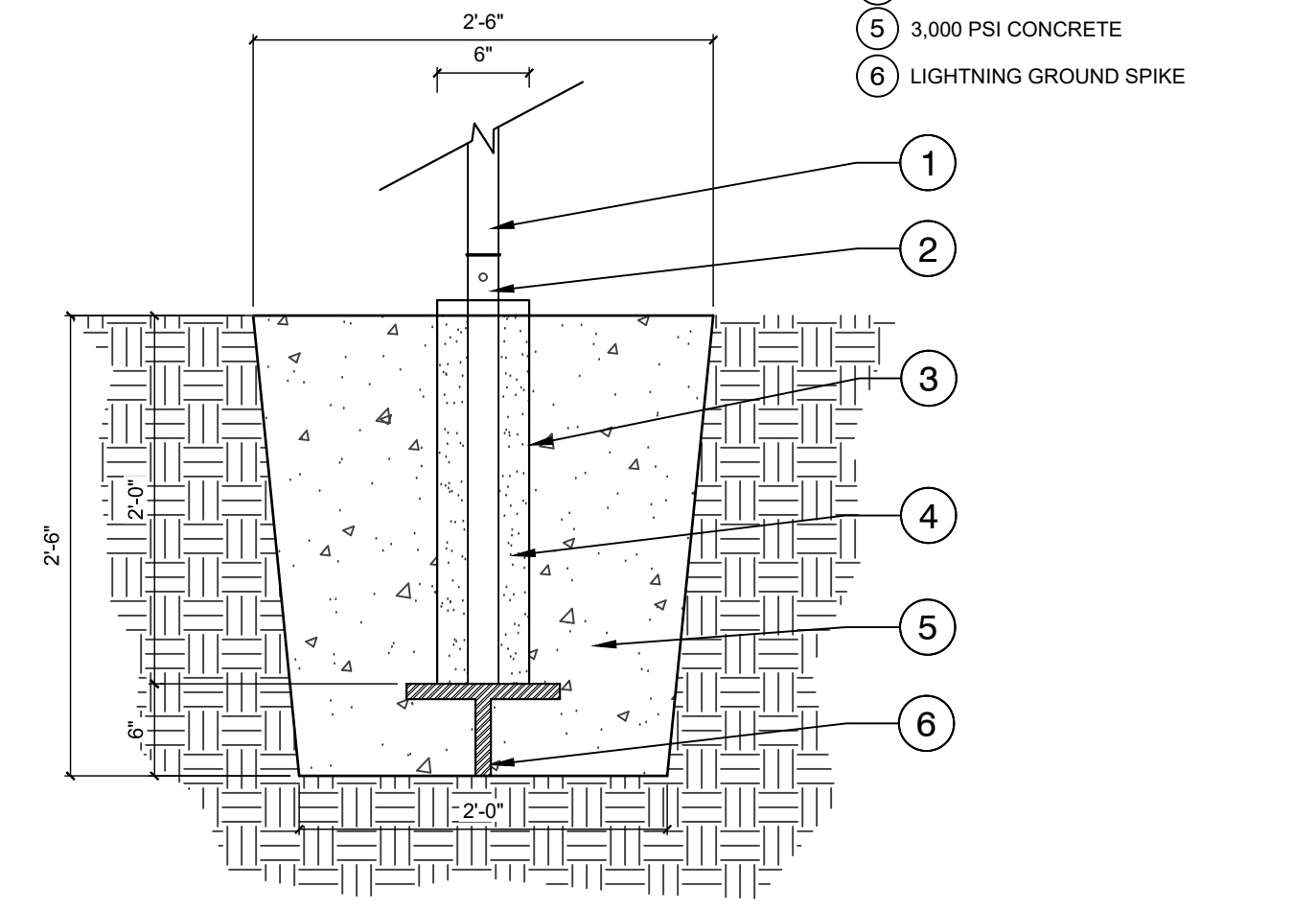
1 TYPICAL CRUSHED AGGREGATE
 1 1/2" = 1'-0"

- 1 SPADED LANDSCAPE BED EDGE
- 2 3" HIGH MULCH SAUCER SHALL BE CONSTRUCTED AROUND THE BASE OF SHRUB/TREE
- 3 PLANTING SOIL MIX SEE SECTION 1.05 IN LANDSCAPE NOTES

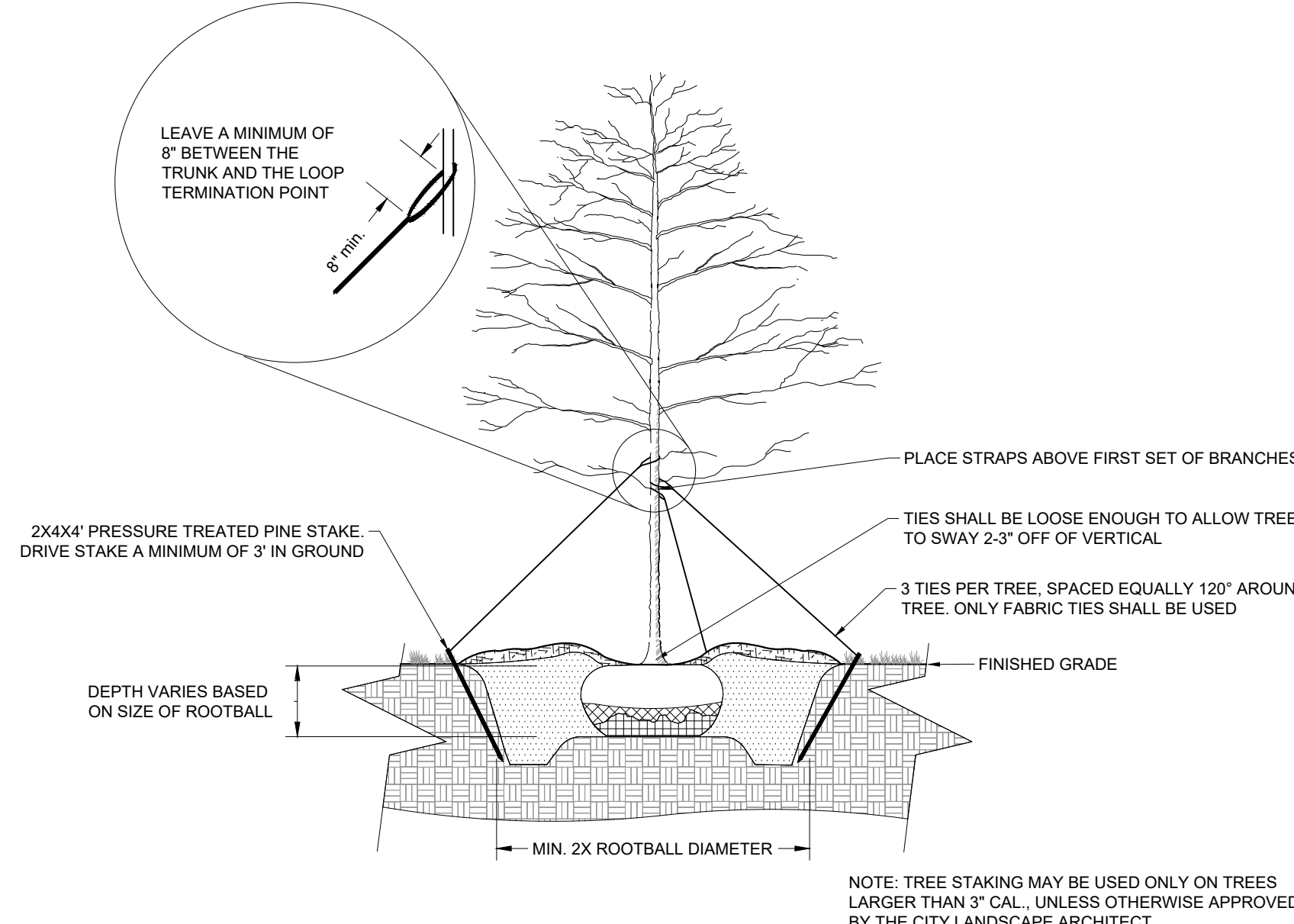


5 SPADED EDGE
 1 1/2" = 1'-0" PO-ME1-06

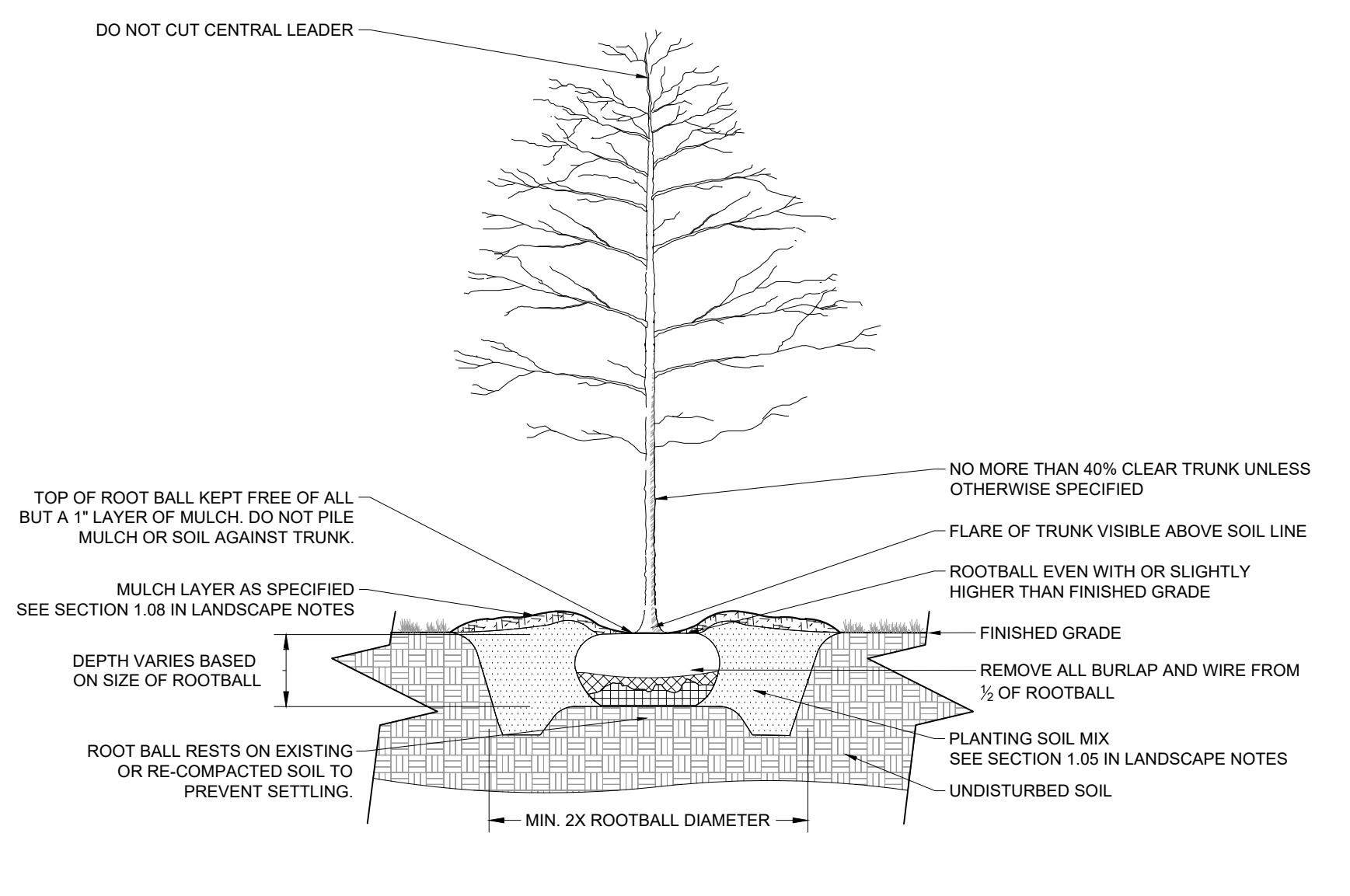
- 1 25' TALL FLAG POLE
 - 2 FLAG POLE INSERT SLEEVE 4" ABOVE FINISHED GRADE
 - 3 GALVANIZED CORRUGATED STEEL FOUNDATION SLEEVE
 - 4 TAMPED DRY SAND
 - 5 3,000 PSI CONCRETE
 - 6 LIGHTNING GROUND SPIKE
- NOTES:**
 - CONTRACTOR TO CONFIRM WITH CLIENT AND LANDSCAPE ARCHITECT BEFORE PURCHASE OF FLAG SPECS.
 - CONTRACTOR TO INSTALL FLAG POLE PER MANUFACTURER SPECIFICATIONS.



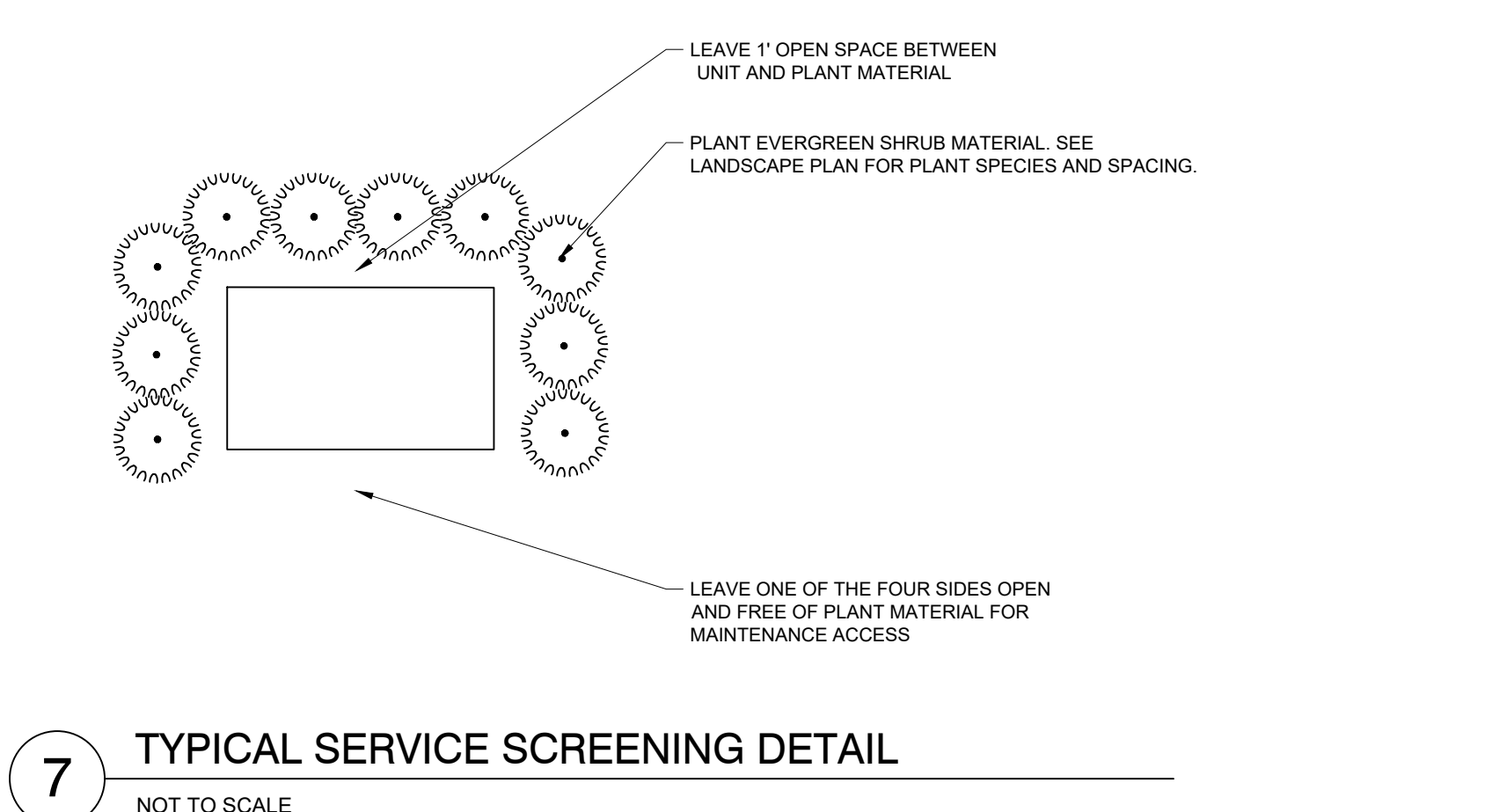
2 FLAG POLE BASE
 1" = 1'-0" PO-MU-37



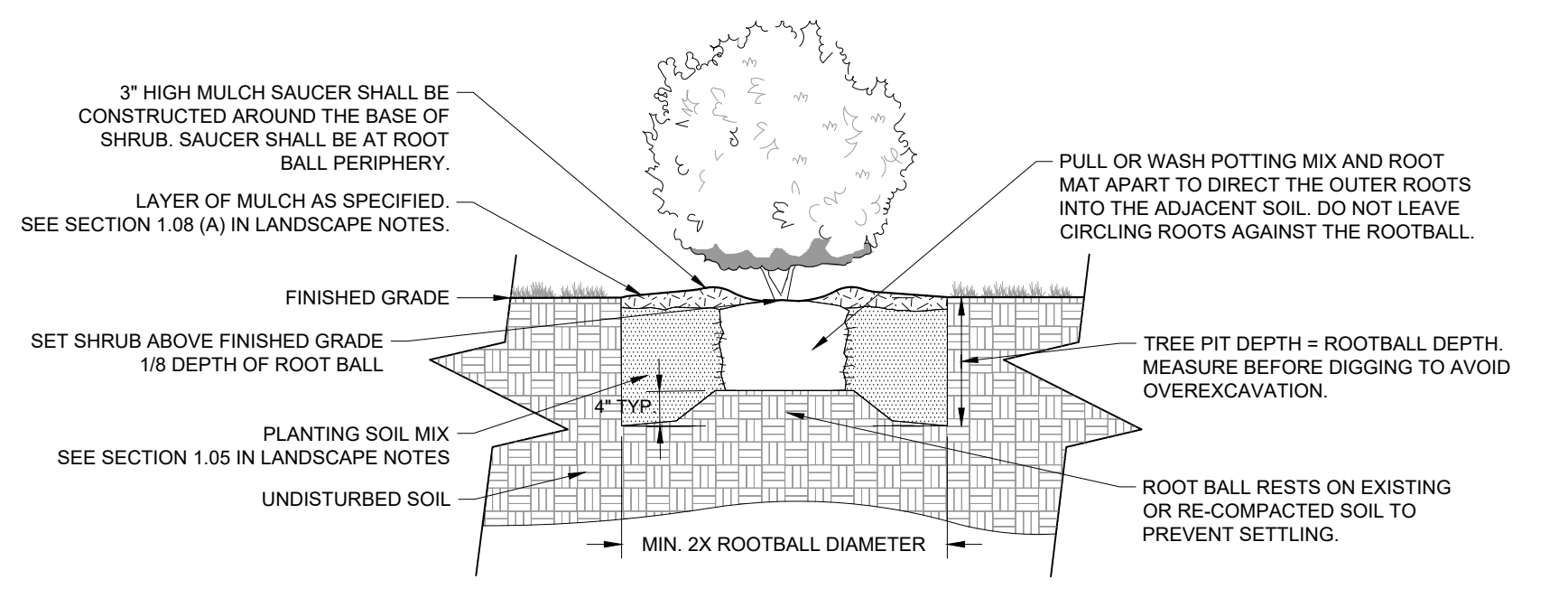
6 TREE STAKING
 NOT TO SCALE



3 B&B TREE PLANTING
 NOT TO SCALE

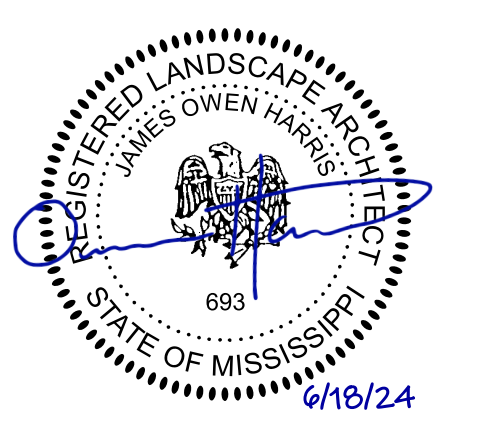
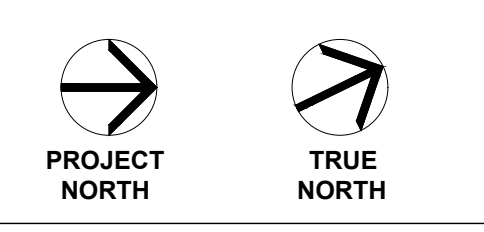


7 TYPICAL SERVICE SCREENING DETAIL
 NOT TO SCALE



4 CONTAINER SHRUB PLANTING
 NOT TO SCALE

KEY PLAN



No.	Description	Date
3	Construction Documents	5/17/24
2	Design Development	4/12/24
1	Schematic Design	2/22/24

MERIDIAN AIRPORT AUTHORITY

NEW TERMINAL

2811 Airport Blvd., South St.
 Meridian, MS 39307

LANDSCAPE DETAILS

Project No. 2000.01 Date 5/17/2024

L-151

ELECTRICAL LEGEND

GENERAL NOTES	FIRE ALARM SYSTEM	CONDUIT AND WIRING																											
<p>1. ALL EQUIPMENT AND DEVICES ARE TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.</p> <p>2. DEVICES NOTED AS "GFI" SHALL BE GROUND FAULT CIRCUIT INTERRUPTING DEVICES.</p> <p>3. DEVICES NOTED AS "WP" SHALL BE WEATHERPROOF WHILE-IN-USE.</p> <p>4. DEVICES NOTED AS "DL" SHALL BE RATED FOR DAMP LOCATION.</p> <p>5. DEVICES NOTED AS "NL" SHALL BE NIGHT LIGHTS. PROVIDE UNSWITCHED POWER TO FIXTURE.</p> <p>6. DEVICES NOTED AS "WG" SHALL BE PROVIDED AND INSTALLED WITH A WIRE GUARD.</p> <p>7. DEVICES NOTED AS "TR" SHALL BE TAMPER RESISTANT.</p> <p>8. PROVIDE UNSWITCHED POWER TO EMERGENCY BATTERY PACKS.</p> <p>9. "W/E" INDICATES DEVICE/DISCONNECT PROVIDED WITH THE EQUIPMENT BY OTHERS.</p> <p>10. "ETR" EXISTING TO REMAIN</p> <p>LUMINAIRES (See Light Fixture Schedule)</p> <p>NOTE: THE NUMBER INSIDE THE CIRCLE IS THE CIRCUIT NUMBER. THE LETTER BESIDE THE SYMBOL IS THE FIXTURE TYPE DESCRIBED IN THE LIGHT FIXTURE SCHEDULE.</p>	<p>MANUAL PULL STATION. MOUNT 48" A.F.F. TO CENTERLINE OF BOX.</p> <p>STROBE. MOUNT 80" A.F.F. TO BOTTOM OF BOX.</p> <p>COMBINATION SPEAKER AND STROBE. MOUNT 80" A.F.F. TO BOTTOM OF BOX.</p> <p>SMOKE DETECTOR.</p> <p>THERMAL DETECTOR.</p> <p>DUCT SMOKE DETECTOR IN RETURN DUCT.</p> <p>DUCT SMOKE DETECTOR IN SUPPLY DUCT.</p> <p>ELEVATOR RECALL SMOKE DETECTOR.</p> <p>FIRE ALARM CONTROL PANEL. CIRCUIT BREAKER SHALL BE COLORED RED.</p> <p>FIRE ALARM ANNUNCIATOR PANEL.</p> <p>FLOW SWITCH.</p> <p>TAMPER SWITCH.</p> <p>FIRE ALARM SPEAKER AND STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p> <p>FIRE ALARM STROBE MOUNTED ON THE CEILING TO A FLUSH MOUNTED BOX.</p>	<p>CONDUCTORS IN CONDUIT CONCEALED WITHIN WALL OR CEILING. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. FOR EXAMPLE, THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>THE TEXT INSIDE THE ARC INDICATES THE AWG SIZE OF THE CONDUCTORS THAT SHALL BE RUN IN THE CONDUIT. THE ABSENCE OF TEXT SIGNIFIES THAT THE CONDUCTORS SHOULD BE #12 AWG.</p> <p>CIRCUITRY RUN IN STRAIGHT LINE SEGMENTS SIGNIFIES EXPOSED SURFACE-MOUNTED RACEWAY (SEE SPECIFICATIONS).</p> <p>CONDUCTORS IN CONDUIT CONCEALED BELOW GRADE OR FLOOR. TIC MARKS INDICATE NUMBER OF CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR IS NOT SHOWN, BUT SHALL BE PROVIDED. SIZE THE EQUIPMENT GROUNDING CONDUCTOR AND THE CONDUIT PER THE NEC. THE ABSENCE OF TIC MARKS SIGNIFIES THAT TWO CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED. THE MARKINGS TO THE LEFT SIGNIFY THAT THREE CONDUCTORS PLUS AN EQUIPMENT GROUNDING CONDUCTOR SHOULD BE PROVIDED.</p> <p>HOMERUN TO PANELBOARD. ARC DENOTES CONCEALED CIRCUITRY. TEXT DENOTES PANELBOARD NAME WITH CIRCUIT NUMBER. DEVICES HAVING CIRCUIT NUMBERS LOCATED BESIDE THEM MAY NOT SHOW THE CIRCUIT NUMBERS AT THE HOMERUN ARROWS.</p> <p>PARTIAL HOMERUN TO PANELBOARD. COMBINE ALL PARTIAL HOMERUNS THAT ARE ON THE SAME CIRCUIT IN A JUNCTION BOX PRIOR TO ENTERING THE PANELBOARD.</p> <p>LOW VOLTAGE CONDUCTORS USED FOR MOTION DETECTOR CIRCUITRY. SEE MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR REQUIREMENTS.</p>																											
<p>2'X2' RECESSED FIXTURE.</p> <p>2'X4' RECESSED FIXTURE.</p> <p>SURFACE MOUNTED OR SUSPENDED FIXTURE.</p> <p>RECESSED CEILING FIXTURE.</p> <p>PENDANT MOUNT FIXTURE.</p> <p>CEILING MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>WALL MOUNTED EXIT SIGN. PROVIDE CHEVRONS AS INDICATED BY ARROWS.</p> <p>WALL MOUNTED FIXTURE.</p> <p>SITE ARM MOUNT POLE LIGHT FIXTURE.</p>	<p>RECEPTACLES</p> <p>DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, ONE COVER PLATE, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH. WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH. WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE RECEPTACLE IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>DUPLEX RECEPTACLE, NEMA 5-20R, FOR DRINKING FOUNTAIN FED FROM GFCI BREAKER. MOUNTED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. VERIFY CONNECTION TYPE PRIOR TO BID. RECEPTACLE SHALL BE MOUNTED, CONCEALED BEHIND THE SHROUD OF THE DRINKING FOUNTAIN.</p> <p>DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED IN A FLOOR BOX.</p> <p>SINGLE RECEPTACLE, NEMA 5-20R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>SINGLE RECEPTACLE, NEMA 6-30R, MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED FLUSH IN THE CEILING UNLESS NOTED OTHERWISE.</p>	<p>VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Voltage</th> <th>Circuit Length</th> <th>Conductor Size (AWG)</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>< 50'</td> <td>#12</td> </tr> <tr> <td>120</td> <td>> 50'</td> <td>#10</td> </tr> <tr> <td>120</td> <td>> 90'</td> <td>#8</td> </tr> <tr> <td>120</td> <td>> 140'</td> <td>#6</td> </tr> <tr> <td>277</td> <td>< 130'</td> <td>#12</td> </tr> <tr> <td>277</td> <td>> 130'</td> <td>#10</td> </tr> <tr> <td>277</td> <td>> 200'</td> <td>#8</td> </tr> <tr> <td>277</td> <td>> 330'</td> <td>#6</td> </tr> </tbody> </table> <p>VOLTAGE DROP CHART NOTES:</p> <p>1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.</p> <p>2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.</p> <p>3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.</p>	Voltage	Circuit Length	Conductor Size (AWG)	120	< 50'	#12	120	> 50'	#10	120	> 90'	#8	120	> 140'	#6	277	< 130'	#12	277	> 130'	#10	277	> 200'	#8	277	> 330'	#6
Voltage	Circuit Length	Conductor Size (AWG)																											
120	< 50'	#12																											
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277	> 130'	#10																											
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277	> 330'	#6																											
<p>MISCELLANEOUS</p> <p>PHOTOCCELL.</p> <p>CEILING MOUNTED JUNCTION BOX.</p> <p>WALL MOUNTED JUNCTION BOX.</p> <p>FLEXIBLE CONNECTION TO EQUIPMENT.</p> <p>POWER FOR TINTABLE GLASS. COORDINATE LOCATION WITH THE GLASS VENDOR. CONTROLS BY OTHERS.</p>	<p>COMMUNICATIONS</p> <p>TELEPHONE CONNECTION FOR ELEVATOR CONTROLLER. INCLUDE ALL CABLE AND ACTIVATION OF TELEPHONE SERVICE. ROUTE CABLE INTO THE ELEVATOR CONTROLLER.</p> <p>DATA OUTLET MOUNTED 18" A.F.F. TO CENTERLINE OF BOX UNLESS NOTED OTHERWISE.</p> <p>DATA OUTLET MOUNTED WITH BOTTOM OF BOX 2" ABOVE COUNTER BACKSPASH. WHERE THERE IS NO BACKSPASH MOUNT 6" ABOVE COUNTER. WHERE TELEPHONE/DATA OUTLET IS SHOWN IN AN AREA WITH NO COUNTER, MOUNT 45" A.F.F. TO CENTERLINE OF BOX.</p> <p>DUPLEX RECEPTACLE, NEMA 5-20R AND A DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R AND A DATA OUTLET MOUNTED IN A FLOOR BOX.</p> <p>WIFI.</p>	<p>GEAR</p> <p>FUSED DISCONNECT SWITCH. TEXT INDICATES AMPACITY/NUMBER OF POLES/ENCLOSURE TYPE; F=(RATING OF FUSES).</p> <p>PANELBOARD.</p>																											
<p>SWITCHES</p> <p>SINGLE-POLE, SINGLE-THROW SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>DOUBLE-POLE, SINGLE-THROW, 30 AMP SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>THREE-WAY SWITCH. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>AUTOMATIC WALL SWITCH, SENSOR SWITCH #WSX-PDT OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>AUTOMATIC WALL SWITCH WITH INTEGRAL 0-10V DIMMER. SENSOR SWITCH #WSX-PDT-D-VA OR APPROVED EQUAL. MOUNT CENTERLINE OF BOX AT 45" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>HORSEPOWER RATED SWITCH WITH THERMAL OVERLOADS (MANUAL MOTOR STARTER).</p> <p>PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 2' RADIAL COVERAGE. CEILING MOUNTED. SENSOR SWITCH #CM-PDT-B OR APPROVED EQUAL.</p> <p>PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 25' RADIAL COVERAGE. CEILING MOUNTED. SENSOR SWITCH #CM-PDT-10 OR APPROVED EQUAL.</p> <p>PASSIVE INFRARED OCCUPANCY SENSOR. HIGH CEILING MOUNT. SENSOR SWITCH #CMR-6 OR APPROVED EQUAL.</p> <p>PASSIVE INFRARED AND ULTRASONIC DUAL TECHNOLOGY OCCUPANCY SENSOR WITH A 2000 SQ. FT. COVERAGE. MOUNT IMMEDIATELY BELOW CEILING. SENSOR SWITCH #WV-PDT-16 OR APPROVED EQUAL.</p> <p>POWER PACK MOUNTED ABOVE CEILING. SENSOR SWITCH #PP20 OR APPROVED EQUAL.</p> <p>ELCU.</p>	<p>ACCESS CONTROL</p> <p>CARD READER.</p> <p>ELECTRIC DOOR STRIKE.</p> <p>ACCESS CONTROL PANEL.</p> <p>KEYPAD.</p>	<p>CCTV SYSTEM</p> <p>CAMERA. PROVIDE A 1" C. AND A CAT 6 CABLE TO EACH LOCATION.</p>																											
<p>PAGING ADDRESS</p> <p>CEILING SPEAKER.</p> <p>OUTDOOR RATED SPEAKER.</p> <p>VOLUME CONTROL SWITCH.</p> <p>PAGING SYSTEM AMPLIFIER.</p>																													

LIGHTING FIXTURE SCHEDULE

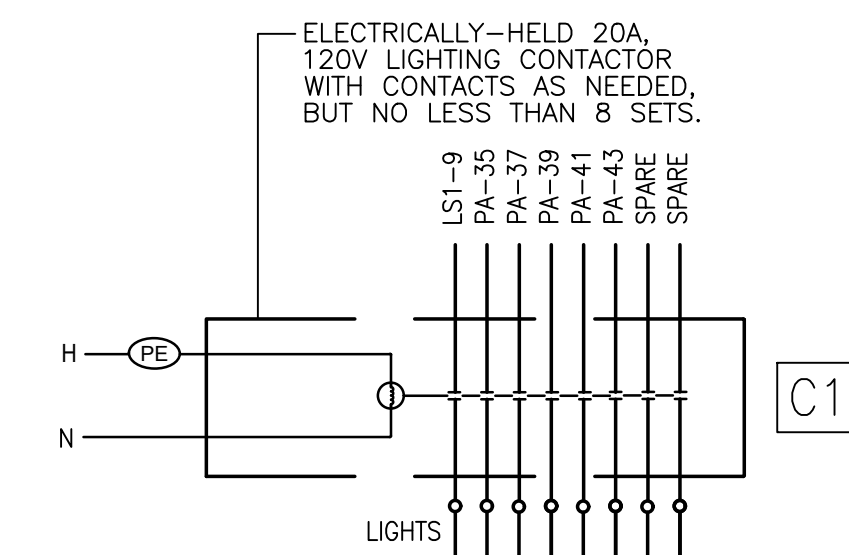
TYPE	MANUFACTURER	PART NUMBER	LAMPS	MOUNTING	REMARKS
A	FOCAL POINT	FSM4LS-FL-1250LF-27K-1C-UNV LD1-C96-SM-BKCD-BK-6	LED, 40W 1,250 LUMENS/FT	SUSPENDED	
B	FOCAL POINT	FLUL-22-PS-4000L-27K-1C-UNV LD1-G-WH	LED, 48W 4,032 LUMENS	RECESSED	
C	LITHONIA	LDN6-27/15-L06-AR-LSS-TRW MVOLT-G210	LED, 17W 1,514 LUMENS	RECESSED	
D	FOCAL POINT	FSM4LS-FL-1000LF-27K-1C-UNV *-WH-40*	LED, 250W 19,885 LUMENS	RECESSED	*VERIFY CEILING TYPE PRIOR TO ORDERING.
F	LITHONIA	ZL1N-L48-5000LM-L/LENS-MVOLT-40K-80CRI-WH	LED, 34W 4,964 LUMENS	SUSPENDED	4' LED STRIP FIXTURE
G	FOCAL POINT	FSM4LS-FL-625LF-27K-1C-UNV *-WH-10*	LED, 250W 25,000 LUMENS	RECESSED	*VERIFY CEILING TYPE PRIOR TO ORDERING.
H	FOCAL POINT	FLUL-22-PS-3000L-27K-1C-UNV LD1-G-WH	LED, 34W 2,958 LUMENS	RECESSED	
J	FOCAL POINT	FSM4LS-FL-625LF-27K-1C-UNV *-WH-10*	LED, 62W 6,200 LUMENS	RECESSED	*VERIFY CEILING TYPE PRIOR TO ORDERING.
K	FOCAL POINT	FSM4LS-FL-1000LF-27K-1C-UNV *-WH-6*	LED, 61W 6,917 LUMENS	RECESSED	*VERIFY CEILING TYPE PRIOR TO ORDERING.
L	FOCAL POINT	FSM4LS-FL-1000LF-27K-1C-UNV *-WH-4*	LED, 41W 3,977 LUMENS	RECESSED	*VERIFY CEILING TYPE PRIOR TO ORDERING.
M	FOCAL POINT	FSM4LS-FL-625LF-27K-1C-UNV *-WH-8*	LED, 50W 5,000 LUMENS	RECESSED	*VERIFY CEILING TYPE PRIOR TO ORDERING.
N	LITHONIA	CPX-2X4-AL08-80CRI-SWW7-SWL MVOLT-PA2 2DF 36	LED, 45W 6,383 LUMENS	RECESSED	
P	FOCAL POINT	FSM4LS-FL-1000LF-27K-1C-UNV *-WH-2*	LED, 20W 1,940 LUMENS	RECESSED	*VERIFY CEILING TYPE PRIOR TO ORDERING.
R	FOCAL POINT	FSM4LS-FL-625LF-27K-1C-UNV LD1-C96-SM-BKCD-BK-14*	LED, 86W 8,750 LUMENS	SUSPENDED	
T	FOCAL POINT	FSM4LS-FL-625LF-27K-1C-UNV LD1-C96-SM-BKCD-BK-16*	LED, 100W 10,000 LUMENS	SUSPENDED	
V	ECOSENSE	L35-1-48-04-27-80-MULT-12D	LED, 16W 1,628 LUMENS	COVE	*VERIFY LENGTH PRIOR TO ORDERING.
W	FOCAL POINT	FSM4LS-FL-625LF-27K-1C-UNV LD1-C96-SM-BKCD-BK-10*	LED, 62W 6,200 LUMENS	SUSPENDED	
Y	LITHONIA	WL4-40-EZ1-LP840-N80EMG-NESPDT-DIM10	LED, 39.5W 4,325 LUMENS	WALL	PROVIDE W/ DUAL TECH OCC. SENSOR & AUTO-DIMMING MOUNT FIXTURE @ A MIN. 7'-6" ABOVE STAR LANDING
X1	LITHONIA	EDGR-1-GMR	LED	UNIVERSAL	
X2	LITHONIA	EDGR-2-GMR	LED	UNIVERSAL	
EP	LITHONIA	CLY-L48-4000LM-SEF-FDL-MVOLT G210-40K-80CRI-WH	LED, 23W 4,009 LUMENS	WALL	
AA	HYDREL	4750LCR-LOP-FT-500LMF-27K MVOLT-NSP-IM90-IB76L-E6-CL10-ZI-BL	LED, 21W 1,956 LUMENS	WALL	*VERIFY LENGTH PRIOR TO ORDERING.
BB	BETA ALCO	MFLR1P-**-**-LP020-CR90-CTA30 D23-WI-D801-HI-FAO-FAO-CA	LED, 30W 2,400 LUMENS	RECESSED	*VERIFY EXACT LENGTH PRIOR TO ORDERING.
CC	ALCON LIGHTING	12279-XX-2-60-CS-010-BR-AC120-A	LED, 150W 8,121 LUMENS	SUSPENDED	
DD	LITHONIA	W062Z-LED-P2-40K-W-MVOLT-PE-FLC-KM-JBA-C3-DNAXD	LED, 15W 2,023 LUMENS	WALL	
FF	FOCAL POINT	FSM4LWL-FL-275LF-40K-1C-UNV LD1-XFL-WH-40*	LED, 352W 44,000 LUMENS	RECESSED	
SA	LITHONIA	DSX1-LED-P3-40K-80CRI-T4M MVOLT-SPA-DNAXD-DLL127F 1.5 JU	LED, 102W 13,968 LUMENS	POLE TWIN HEAD	POLE #SSS-25'-4G-T20-DNAXD
SB	LITHONIA	DSX1-LED-P3-40K-80CRI-T4M MVOLT-SPA-DNAXD-DLL127F 1.5 JU	LED, 102W 13,968 LUMENS	POLE SINGLE HEAD	POLE #SSS-25'-4G-T20-DNAXD
SC	EXISTING FIXTURE				PROVIDE A NEW POLE. SHEE SHEET E005.

GENERAL LIGHTING NOTES:
1. ALL LIGHT FIXTURE WITH SELECTABLE COLOR TEMPERATURE SHALL BE SET TO 4000 KELVIN UNLESS NOTED OTHERWISE.

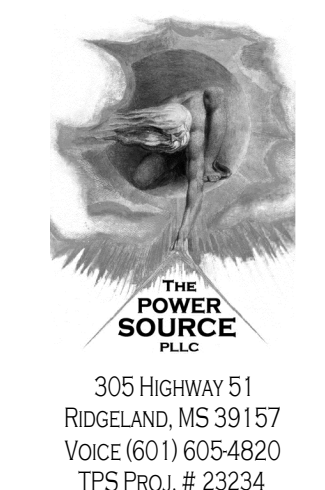
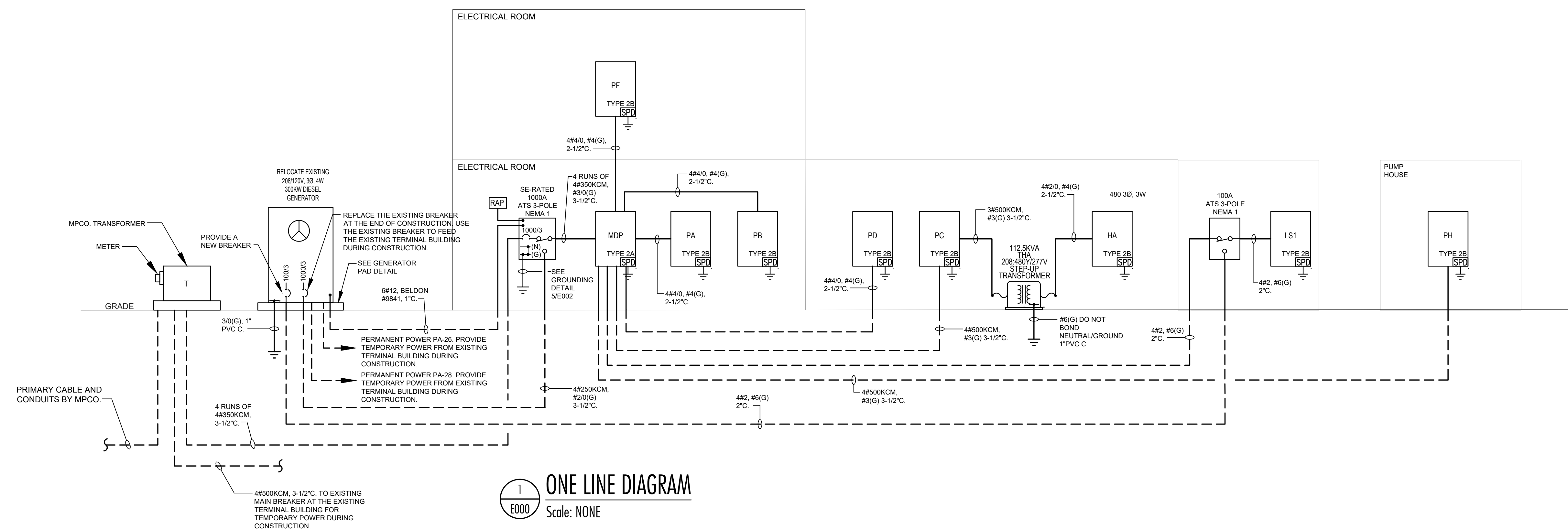
ELECTRICAL SHEET INDEX

SHEET #	Description
E000	ELECTRICAL LEGEND AND DETAILS
E001	PANEL SCHEDULES
E002	ELECTRICAL DETAILS
E003	DEMOLITION SITE PLAN
E004	RENOVATION SITE PLAN
E005	DIRECT BURY POLE DETAILS
E100	LIGHTING PLAN - FIRST FLOOR
E101	LIGHTING PLAN - SECOND FLOOR
E200	POWER PLAN - SECOND FLOOR
E201	POWER PLAN - SECOND FLOOR
E300	AUXILIARY / MECHANICAL PLAN - FIRST FLOOR
E301	AUXILIARY / MECHANICAL PLAN - SECOND FLOOR
E302	ELEVATOR DETAILS

NOTE: IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.



CONTACTOR "C1"
Scale: NONE



THE POWER SOURCE
305 HIGHWAY 51
RIGELAND, MS 39157
VOICE (601) 605-4820
TFS PROJ. # 23234



D+P
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KEY PLAN

PROJECT NORTH

TRUE NORTH

No.	Description	Date
1	ADDENDUM #1	6/13/24
2	ADDENDUM #2	6/18/24

1 Construction Documents 5/17/24

MERIDIAN AIRPORT AUTHORITY

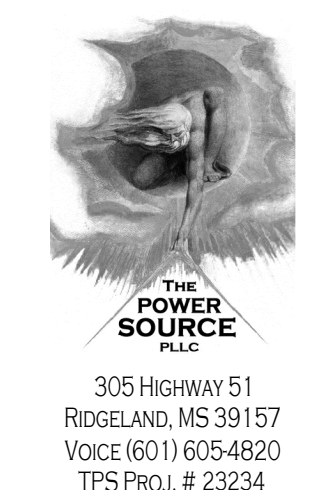
NEW TERMINAL

2811 Airport Blvd., South St.
Meridian, MS 39307

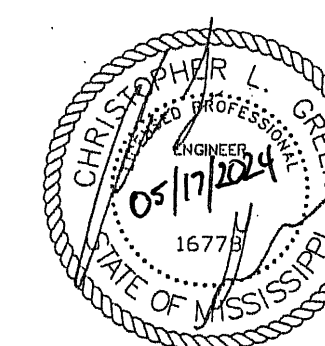
Sheet Title

Project No. Date: 5/17/2024

E000



305 HIGHWAY 51
RIGELAND, MS 39157
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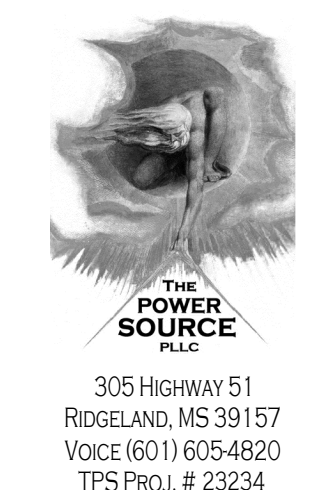
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PANEL MDP				LOCATION: ELECTRICAL ROOM				LUG LOCATION: BOTTOM FEED MAIN LUGS ONLY				PANELBOARD AIC RATING (A): 42,000			
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	AMPS	POLES	CIRCUIT NO.	SURFACE		
					A	B	C						A	B	C
1	225	3		PANEL "PA"	15.2	18.8		PANEL "PD"	225	3	2				
3	-	-	-	-			11.8	18.8			4				
5	-	-	-	-				13.8	17.8		4				
7	225	3		PANEL "PB"	1.7	18.1		PANEL "PF"	225	3	8				
9	-	-	-	-			0.7	19.0			10				
11	-	-	-	-				1.4	16.6		12				
13	400	3		PANEL "PC"	34.1	25.4		PANEL "PH"	400	3	14				
15	-	-	-	-			33.1	26.0			16				
17	-	-	-	-				32.6	25.9		16				
19	40	3		AHU-1	2.4	8.6		AHU-4	110	3	20				
21	-	-	-	-			2.4	8.6			22				
23	-	-	-	-				2.4	8.6		24				
25	90	3		AHU-2	6.8	6.8		AHU-5	90	3	26				
27	-	-	-	-			6.8	6.8			28				
29	-	-	-	-				6.8	6.8		30				
31	90	3		AHU-3	6.8	11.0		ELEVATOR	**125	3	32				
33	-	-	-	-			6.8	11.0			34				
35	-	-	-	-				6.8	11.1		36				
37	100	3		PANEL "LS1"	2.5	0.0		SHUNT TRIP COIL	-	-	38				
39	-	-	-	-			2.7	0.0			40				
41	-	-	-	-				1.1	0.0		42				
43	200	3		BRIDGE	15.4	0.0		SPACE	-	-	44				
45	-	-	-	-			15.4	0.0			46				
47	-	-	-	-				15.4	0.0		48				
49	-	-	-	-			0.0	0.0			50				
51	-	-	-	-			0.0	0.0			52				
53	-	-	-	-			0.0	0.0			54				
TOTAL					173.7		170.1		197.0						

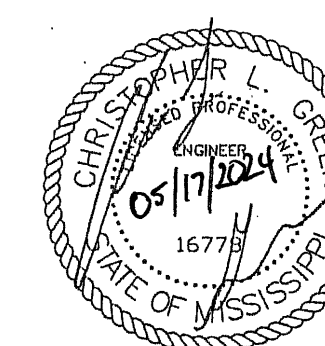
PANEL LS1				LOCATION: ELECTRICAL ROOM				LUG LOCATION: BOTTOM FEED MAIN LUGS ONLY				PANELBOARD AIC RATING (A): 22,000			
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	AMPS	POLES	CIRCUIT NO.	SURFACE		
					A	B	C						A	B	C
1	20	1		LTS - LOBBY TSA, STERILE AREA	1.1	0.5		ACP	20	1	2				
3	20	1		LTS - CORRIDOR MECH. ELEC. MECH. MEZZ		1.1	0.5	ACP	20	1	4				
5	20	1		LTS - AIRLINE OPS TSA BAG SCAN			0.6	0.5	ACP	20	1	6			
7	20	1		LTS - WAITING AREA RECEPTION BOARD ROOM	0.4	0.5		FACP	20	1	8				
9	20	1		LTS - EXTERIOR		0.6	0.5	PSA	20	1	10				
11	20	1		SPARE			0.0	0.0	SPARE	20	1	12			
13	20	1		SPARE			0.0	0.0	SPARE	20	1	14			
15	20	1		SPARE			0.0	0.0	SPARE	20	1	16			
17	20	1		SPARE			0.0	0.0	SPARE	20	1	18			
19	20	1		SPARE			0.0	0.0	SPARE	20	1	20			
21	20	1		SPARE			0.0	0.0	SPARE	20	1	22			
23	20	1		SPARE			0.0	0.0	SPARE	20	1	24			
25	20	1		SPARE			0.0	0.0	SPARE	20	1	26			
27	20	1		SPARE			0.0	0.0	SPARE	20	1	28			
29	20	1		SPARE			0.0	0.0	SPARE	20	1	30			
31	20	1		SPARE			0.0	0.0	SPARE	20	1	32			
33	20	1		SPARE			0.0	0.0	SPARE	20	1	34			
35	20	1		SPARE			0.0	0.0	SPARE	20	1	36			
37	20	1		SPARE			0.0	0.0	SPARE	20	1	38			
39	20	1		SPARE			0.0	0.0	SPARE	20	1	40			
41	20	1		SPARE			0.0	0.0	SPARE	20	1	42			
43	20	1		SPARE			0.0	0.0	SPARE	20	1	44			
45	20	1		SPARE			0.0	0.0	SPARE	20	1	46			
47	20	1		SPARE			0.0	0.0	SPARE	20	1	48			
49	20	1		SPARE			0.0	0.0	SPARE	20	1	50			
51	20	1		SPARE			0.0	0.0	SPARE	20	1	52			
53	20	1		SPARE			0.0	0.0	SPARE	20	1	54			
TOTAL					2.5		2.7		1.1						

PANEL PA				LOCATION: ELECTRICAL ROOM				LUG LOCATION: BOTTOM FEED MAIN LUGS ONLY				PANELBOARD AIC RATING (A): 22,000			
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	AMPS	POLES	CIRCUIT NO.	SURFACE		
					A	B	C						A	B	C
1	20	1		LTS - LOBBY 101 TSA SCREENING 119	1.0	0.2		REC - DEPARTURE 125	20	1	2				
3	20	1		LTS - CORR 102 STERILE AREA 120		1.3	0.4	REC - DEPARTURE 125	20	1	4				
5	20	1		REC - CORRIDOR 102			0.4	0.5	REC - DRINKING FOUNTAIN	**20	1	6			
7	20	1		REC - CORRIDOR 102	0.5	0.5		REC - DRINKING FOUNTAIN	**20	1	8				
9	20	1		REC - CAR RENTAL 143		1.1	0.2	REC - STERILE AREA 120	20	1	10				
11	20	1		TDBB			0.5	0.2	REC - STERILE AREA 120	20	1	12			
13	20	1		TDBB	0.5	0.2		REC - STERILE AREA 120	20	1	14				
15	20	2		LTS - PARKING LOT		0.7	0.2	REC - STERILE AREA 120	20	1	16				
17	20	1		LTS - STERILE AREA			0.7	0.2	REC - STERILE AREA 120	20	1	18			
19	20	1		LTS - STERILE AREA	0.6	0.2		REC - STERILE AREA 120	20	1	20				
21	20	1		REC - STERILE AREA		0.2	0.2	REC - STERILE AREA 120	20	1	22				
23	60	3		EXISTING GPU			4.6	0.4	REC - STERILE AREA 120	20	1	24			
25	-	-	-	-	4.6	0.5		BLOCK HEATER	20	1	26				
27	-	-	-	-		4.6	0.5	BATTERY CHARGER	20	1	28				
29	30	2		WH-1			2.3	0.2	REC - PUBLIC HOLDING	20	1	30			
31	20	1		SPARE	2.3	0.2		REC - PUBLIC HOLDING	20	1	32				
33	20	1		GATE		0.5	0.2	REC - PUBLIC HOLDING	20	1	34				
35	20	1		LTS - CANOPY			1.4	0.2	REC - PUBLIC HOLDING	20	1	36			
37	20	1		LTS - CANOPY	1.4	0.2		REC - PUBLIC HOLDING	20	1	38				
39	20	1		LTS - CANOPY		0.7	0.2	REC - PUBLIC HOLDING	20	1	40				
41	20	1		LTS - CANOPY			1.4	0.5	SLIDING DOOR	20	1	42			
43	20	1		SPARE	1.4	0.5		REC - PUBLIC HOLDING	20	1	44				
45	20	1		SPARE		0.0	0.5	POWER FOR RR OCC LIGHT	20	1	46				
47	20	1		SPARE		0.0	0.5	POWER FOR RR OCC LIGHT	20	1	48				
49	20	1		SPARE	0.0	0.5		POWER FOR RR OCC LIGHT	20	1	50				
51	20	1		SPARE		0.0	0.5	POWER FOR RR OCC LIGHT	20	1	52				
53	20	1		SPARE		0.0	0.5	POWER FOR RR OCC LIGHT	20	1	54				
TOTAL					15.2		11.8		13.8						

PANEL PB				LOCATION: ELECTRICAL ROOM				LUG LOCATION: BOTTOM FEED MAIN LUGS ONLY				PANELBOARD AIC RATING (A): 22,000			
CIRCUIT NO.	BREAKER	AMPS	POLES	DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER	AMPS	POLES	CIRCUIT NO.	SURFACE		
					A	B	C						A	B	C
1	20	1		REC - TSA SCREENING	0.4	0.5		REC - STERILE AREA EXT	20	1	2				
3	20	1		REC - TSA SCREENING		0.2	0.0	SPACE	20	1	4				
5	20	1		REC - TSA SCREENING			0.5	0.0	SPACE	20	1	6			
7	20	1		REC - TSA SCREENING	0.5	0.0		SPACE	20	1	8				
9	20	1		REC - TSA SCREENING		0.2	0.0	SPACE	20	1	10				
11	20	1		REC - TSA SCREENING			0.5	0.0	SPACE	20	1	12			
13	20	1		REC - TSA SCREENING	0.4	0.0		SPACE	20	1	14				
15	20	1		REC - TSA SCREENING		0.4	0.0	SPACE	20	1	16				
17	20	1		REC - TSA SCREENING			0.4	0.0	SPACE	20	1	18			
19	20	1		SPARE	0.0	0.0		SPACE	20	1	20				
21	20	1		SPARE		0.0	0.0	SPACE	20	1	22				
23	20	1		SPARE			0.0	0.0	SPACE	20	1	24			
25	20	1		SPARE	0.0	0.0		SPACE	20	1	26				
27	20	1		SPARE		0.0	0.0	SPACE	20	1	28				
29	20	1		SPARE			0.0	0.0	SPACE	20	1	30			
31	20	1		SPARE			0.0	0.0	SPACE	20	1	32			
33	20	1		SPARE	0.0	0.0		SPACE	20	1	34				
35	20	1		SPARE			0.0	0.0	SPACE	20	1	36			
37	20	1		SPARE	0.0	0.0		SPACE	20	1	38				
39	20	1		SPARE			0.0	0.0	SPACE	20	1	40			
41	20	1		SPARE			0.0	0.0	SPACE	20	1	42			
43	20	1		SPARE	0.0	0.0		SPACE	20	1	44				
45	20	1		SPARE			0.0	0.0	SPACE	20	1	46			
47	20	1		SPARE			0.0	0.0	SPACE	20	1	48			
49	20	1		SPARE	0.0	0.0		SPACE	20	1	50				



305 HIGHWAY 51
RIDGELAND, MS 39157
VOICE (601) 605-4820
TFS PROJ. # 23234

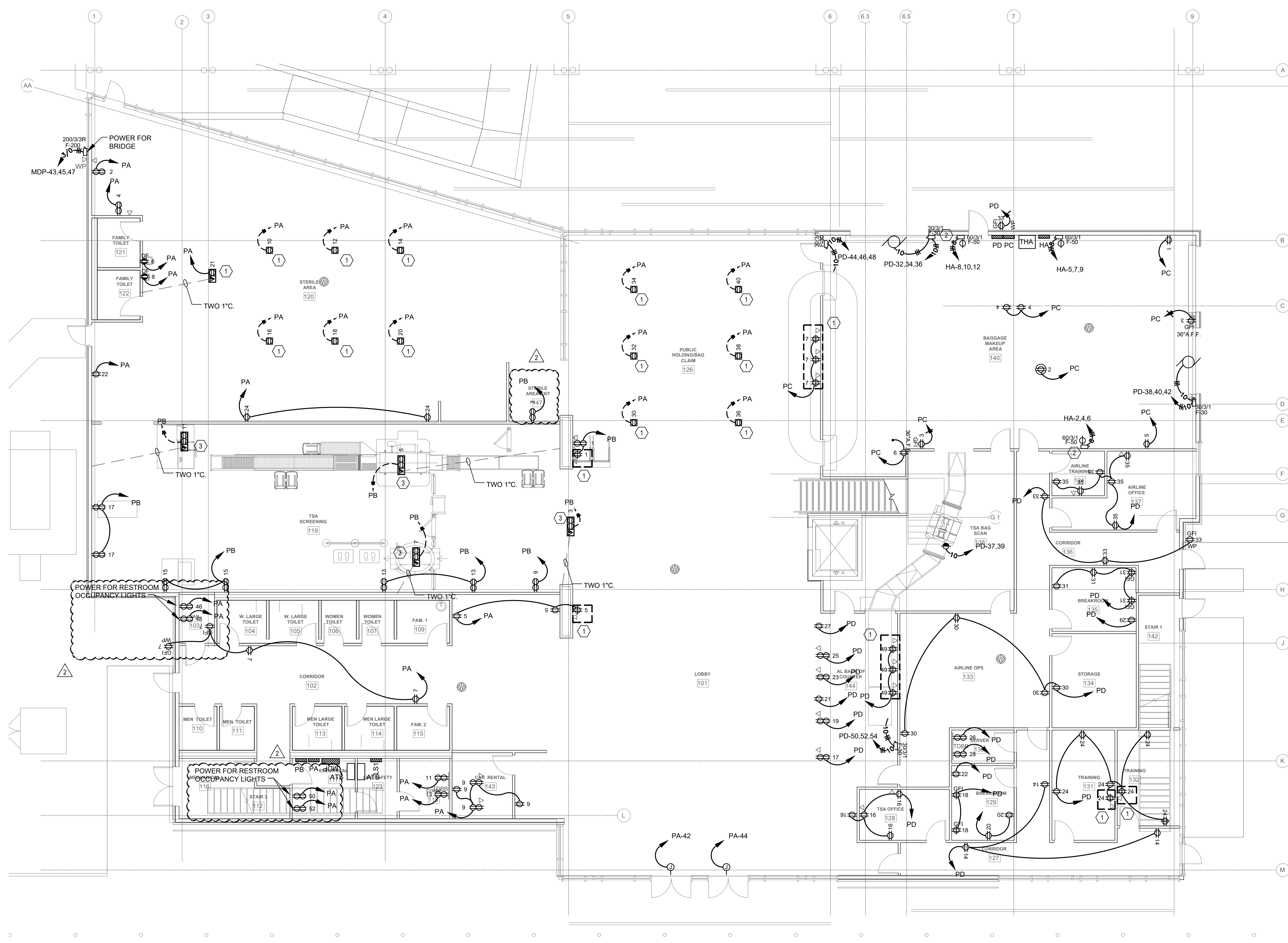


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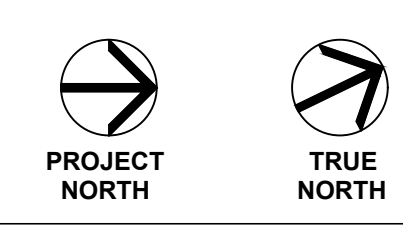
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KEYED NOTES	
Mark	Description
①	COORDINATE LOCATION WITH THE OWNER / ARCHITECT.
②	VERIFY PLUG CONFIGURATION WITH OWNER PRIOR TO INSTALL.
③	VERIFY ELECTRICAL REQUIREMENTS IN THIS AREA.



① POWER PLAN - FIRST FLOOR
E200 Scale: 1/8" = 1'-0"

KEY PLAN



See

No.	Description	Date
1	ADDENDUM #1	6/13/24
2	ADDENDUM #2	6/18/24

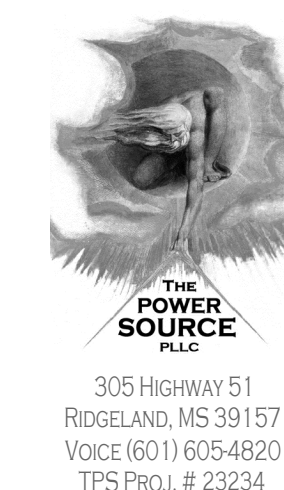
1 Construction Documents 5/17/24
MERIDIAN AIRPORT AUTHORITY

NEW TERMINAL
2811 Airport Blvd., South St.
Meridian, MS 39307

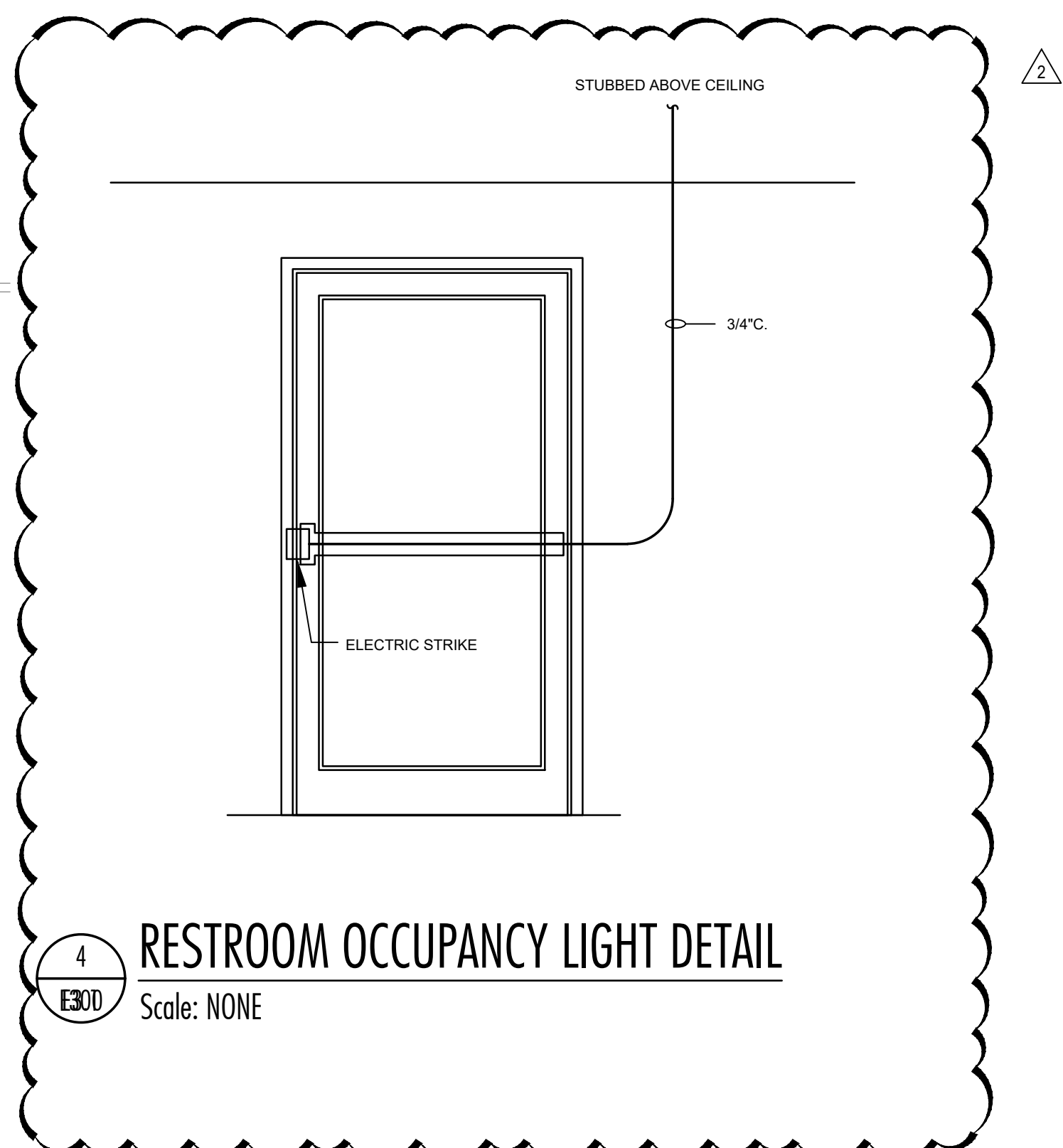
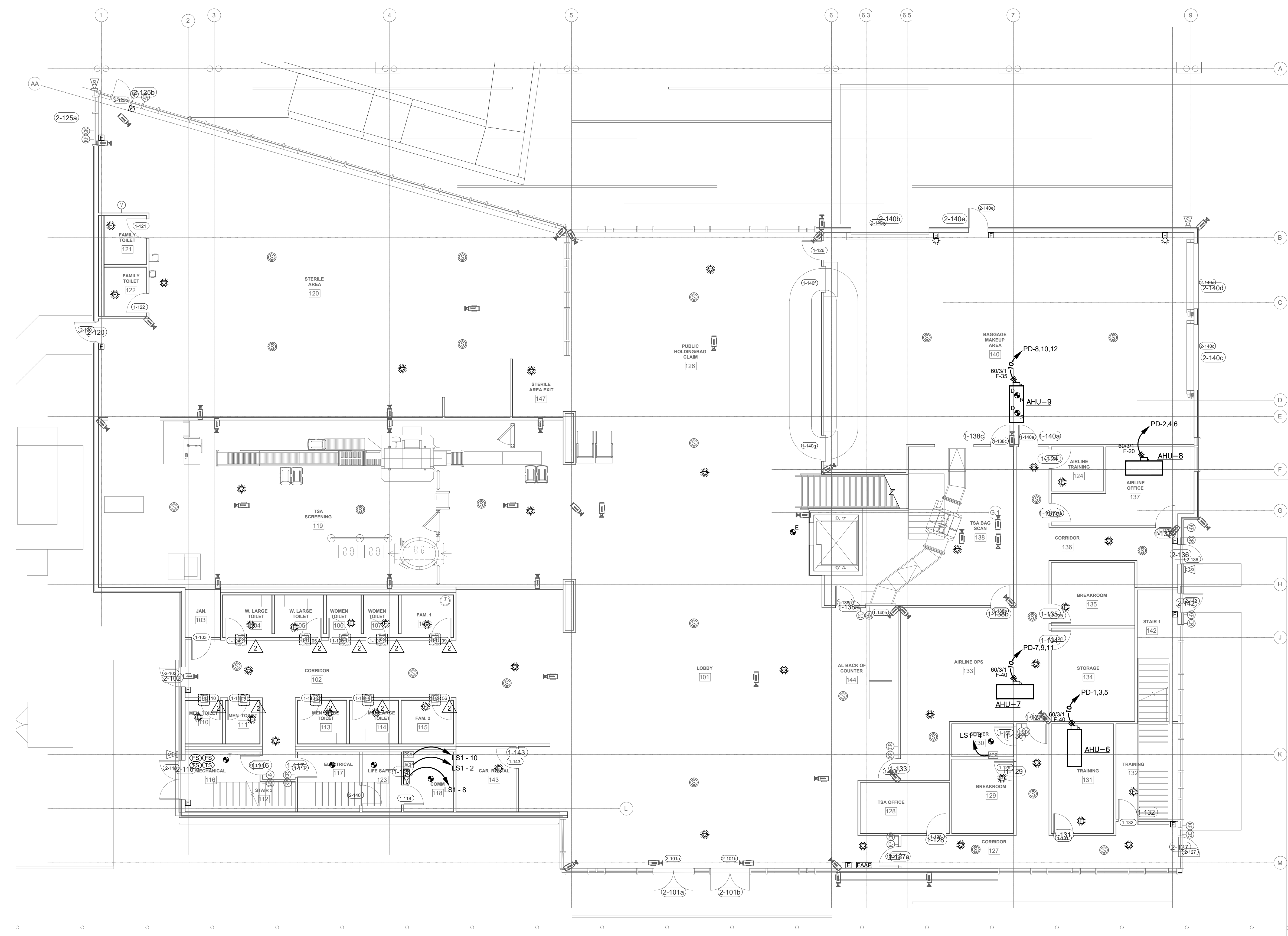
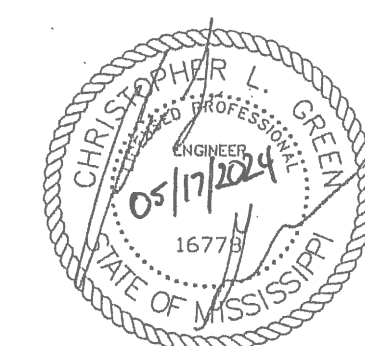
Sheet Title

Project No. Date 5/17/2024

E200



THE POWER SOURCE LLC
 305 HIGHWAY 51
 RIDGELAND, MS 39157
 VOICE (601) 605-4820
 TFS PROJ. # 23234



1
 E300 MECHANICAL/AUXILIARY PLAN - FIRST FLOOR
 Scale: 1/8" = 1'-0"

4
 E301 RESTROOM OCCUPANCY LIGHT DETAIL
 Scale: NONE

KEY PLAN

PROJECT NORTH TRUE NORTH

No.	Description	Date
1	ADDENDUM #1	6/13/24
2	ADDENDUM #2	6/18/24
1	Construction Documents	5/17/24

MERIDIAN AIRPORT AUTHORITY

NEW TERMINAL

2811 Airport Blvd., South St.
 Meridian, MS 39307

Project No. _____ Date: 5/17/2024

E300