



2400 5th Avenue S, Suite 200 | Birmingham, Alabama 35233  
Tel 205.879.4462 | GMCNETWORK.COM

### TRANSMITTAL COVER SHEET

DATE: JUNE 5, 2026  
TO: ALL PLAN HOLDERS OF RECORD  
FROM: JACQUELYN HART, PROJECT MANAGER  
PROJECT: HOUSTON COUNTY DEPARTMENT OF HUMAN RESOURCES  
GMC PROJECT NO. ABHM250019  
RE: ADDENDUM NO. 2 AND  
ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 2

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### ACKNOWLEDGEMENT OF RECEIPT:

PLEASE PRINT RECIPIENT'S NAME, FIRM, AND DATE RECEIVED.

THEN E-MAIL BACK TO [alyssa.martin@gmcnetwork.com](mailto:alyssa.martin@gmcnetwork.com) FOR OUR RECORDS AND  
TO ACKNOWLEDGE YOUR RECEIPT OF THIS ADDENDUM.

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NAME (PLEASE PRINT)

-----  
FIRM (PLEASE PRINT)

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DATE RECEIVED (PLEASE PRINT)

If there are any problems with this transmittal, please contact sender, at the number listed above.



**ADDENDUM NUMBER 02**

June 05, 2026

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**PROJECT: HOUSTON COUNTY DEPARTMENT OF HUMAN RESOURCES  
GM&C PROJECT NO. ABHM250019**

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**AD2-1 GENERAL:**

- A. The following revisions and/or additions to the Drawings and Project Manual are hereby made a part of same, and shall be incorporated in the Work of the Contract the same as if originally included in the Bid and Construction Documents.
- B. Bidders shall acknowledge receipt of this Addendum in writing, as provided on the Proposal Form.
- C. When a revision and/or addition is called for to the Drawings or Project Manual, they shall be fully coordinated with and carried through all applicable Drawings and portions of the Project Manual, including in part, all related Civil, Landscaping, Architectural, Structural, Plumbing, Mechanical, Electrical, and other Documents.

**AD2-2 PROJECT MANUAL AND SPECIFICATIONS:**

- A. Add New Section 06 1800 – Glued-Laminated Construction
- B. Add New Section 08 7100 – Finish Hardware
- C. Add New Section 32 3113 – Chainlink Fence and Gates
- D. Add New Section 32 3119.23 – Dumpster Gates

**AD2-3 DRAWINGS: (all dated for June 04, 2026 – all revisions in drawings made in response to RFIs)**

- A. Revised Sheet C-101
- B. Revised Sheets L5.00, L6.00
- C. Revised Sheets A7.01, A7.05, A8.01

**AD2-4 MISCELLANEOUS:**

- A. Subject to compliance with requirements of the bid and contract documents, including single source coordination, the following manufacturer(s) made proper and timely submittal for consideration of product(s), or the following supplier(s) made proper and timely submittal of its firm(s), and has subsequently been found to be an acceptable manufacturer or supplier:
  - a. Specification Section 32 3300 – SITE FURNISHINGS  
Superior Playgrounds PS3-72163 is an approved equal, with notations on request form.  
KorKat  
221 Cable Industrial Way  
Carrollton, GA 30117  
Lorie Teal ([loriet@korkat.com](mailto:loriet@korkat.com))  
Ph: 256-640-9562

**AD2-5 ATTACHMENTS:**

- A. RFI Log
- B. New Section 06 1800 – Glued-Laminated Construction
- C. New Section 08 7100 – Finish Hardware
- D. New Section 32 3113 – Chainlink Fences and Gates
- E. New Section 32 3119.23 – Dumpster Gates
- F. Substitution – Section 32 3300 – Site Furnishings
- G. Revised Sheet C-101
- H. Revised Sheet L5.00
- I. Revised Sheet L6.00
- J. Revised Sheet A7.01
- K. Revised Sheet A7.05
- L. Revised Sheet A8.01

**END OF ADDENDUM NUMBER 02**

PREPARED BY

**GMC**

2400 5th Avenue S, Suite 200 | Birmingham, Alabama 35233  
Tel 205.879.4462 | GMCNETWORK.COM  
Goodwyn Mills Cawood, LLC.

NO.	Asker	Question	ADD #	Response
1	BC	Spec Section 32 3113 - "Chain Link Fences and Gates" is mentioned in the unit prices section but is not included. Please provide specs or details for the fencing scope, in particular: a. 6' tall vinyl coated chain link fence b. dumpster gates c. mechanical gate	2	See addendum 2.
2	GS	Detail 10/L6.00 calls for access control and panic hardware on the gates. Is that needed/desired for a 4' tall gate?	2	Access control is not required on playground gate.
3	GS	What material is to be used for dumpster enclosure gates?	2	See addendum 2
4	GS	Section 01 2200 makes reference to a Section 32 3113: Chain Link Fences and Gates, but there is no such spec section. Please provide.	2	See addendum 2.
5	GS	Detail 10/L6.00 says to "see electrical" for access control, but I do not see any reference on the electrical drawings.	2	Access control is not required on playground gate.
6	FT	Please provide a specification for fencing.	2	See addendum 2.
7	FT	L5.01 & (L6.00 detail 10) for playground fence & gate. Notes: call out for all gates to have access control and panic hardware. This is a 4-foot-tall fence. Is access control and panic bar hardware really needed? It also states to see the electrical plans, but they do not address fencing access control. Detail #10 shows a double-swing gate, while the drawing shows a single-swing gate with no panic hardware. Please clarify.	2	Access control is not required on playground gate.
8	FT	Please provide a specification or details specifying materials for the mechanical enclosure and dumpster enclosure gates shown on A4.02.	2	See addendum 2.
9	FT	Please provide Door Hardware specifications	2	See addendum 2.

NO.	Asker	Question	ADD #	Response
10	BC	<p>Per the Access Control Specifications: ACCESS CONTROL SYSTEM SHALL BE ONE OF THE FOLLOWING SYSTEMS: A. Honeywell Corporate ProWatch System vs 3.8. B. Lenel OnGuard vs 6.4 C. Software House c Cure 9000 Enterprise</p> <p>And the CCTV specification says: APPROVED MANUFACTURERS: A. All model numbers listed within this proposal are for equipment manufactured by Pelco. Equal products by Bosch will be acceptable. 2.2 IP VIDEO MANAGEMENT SYSTEM A. The IP video management system shall consist of Digital Sentry ® NVs version 7 software operating on an optimized Pelco-supplied hardware platform. Our Subcontractor has built around 20 DHR buildings in the state and most recently the New Main Building in Montgomery. The systems used were: Access control = CDVI CCTV= Exacqvision Intrusion/Duress= DMP</p> <p>Please advise if the above mentioned systems are acceptable for this job.</p>	2	Proposed manufacturers are acceptable to JRA. Confirm with architect as well.
11	BC	Please provide the hardware sets as there is no hardware schedule listed in the drawings or specifications.	2	See addendum 2.
12	GS	Residential Washer and S2 – Residential dryer appear on the specialty equipment schedule, but are not called out on the floor plan or elevations. Please confirm that there is one of each in the scope.	2	See addendum 2 Sheet A7.01.
13	GS	On the Specialty Equipment Schedule (A1.01 and others), S10 Vending machine says that it is Contractor Furnished, even though it says “coordinate elec,” and does not appear in the specifications. Please confirm that this is Owner Furnish/Contractor Install.	2	This is owner furnish and install. Contractor will not install.
14	GS	10 5623 is given as a spec for wire storage shelving. The only shelving called out on the plans (in Laundry 1065) says “Heavy duty wire shelving by others; provide blocking.” Is the wire shelving By Contractor or By Owner?	2	Wire shelving by contractor. See addendum 2 Sheet A7.01.
15	FT	A1.01 shows the back patio as either stamped concrete or a paver system, while C101 indicates concrete with scored joints. Please clarify.	2	This will be stamped concrete.
16	FT	<b>Does the aid to construct allowance cover all utilities (electrical, water, &amp; sewer)?</b>		

NO.	Asker	Question	ADD #	Response
17		C-101 per Project Manual Part 3—Execution 3.01F States as specified in section 32 3113. There isn't a section 32 3113. Specifications and or details are needed for the permanent 6ft black vinyl fence .	2	See addendum 2.
18	C1	L5.01 & (L6.00 detail 10) for playground fence & gate. Notes: call out for all gates to have access control and panic hardware. It also states to see electrical plans but there is nothing shown for this in the electrical plans. Also, detail #10 shows a double swing gate. The drawing shows a single swing gate with no panic hardware. Please clarify.	2	Access control is not required on playground gate.
19	C1	A4.02 Please provide details and/or specs for material requirements for the dumpster gate and the mechanical yard gates.	2	See addendum 2.
20	C1	C-101 calls out typical concrete sidewalks for the patio however, for A1.11 this looks to be stamped concrete. Please confirm requirements for the patio.	2	This will be stamped concrete.
21	C1	Please confirm all signage both interior and exterior is included in the requested allowances.	2	Both interior and exterior signage allowances are located in section 01 2100.
22	C1	Per A9.01 note 2 General Contractor to provide and install steel storage shelving per specification section 10 6741. However, there is no specification 106741. Please advise.	2	Contractor to coordinate the installation of owner provided steel storage system.
23	GS	<b>According to my Blinds vendor, window W4 is too tall for Fauxwood Blinds. Window blinds are required to be cordless, which places a 96" height limit on these type of blinds. Please advise if 96" blinds are acceptable for window W4.</b>		
24	GS	<b>07 1400-3.04.B says, for Fluid-Applied Air Barrier, "Owner will provide testing services." Pre-bid meeting minutes indicate that Division 7 testing is By Contractor. If testing is required By Contractor, please indicate what test(s) required.</b>		
25	GS	<b>08 5413-3.04.A, Fiberglass Clad Wood Windows, also says testing "paid for by the Owner." Please clarify.</b>		
26	GS	There is an issue with the text on page C-301. Please send a revised sheet.	1	See addendum 1
27	RS	The earthwork spec lists the undercutting included in the geo report as part of the required work. The geotechnical report states "We recommend an allowance for the removal and replacement of approximately 4 feet of unsuitable materials within the building footprint and 2 feet within the pavement areas be included in the bid documents." What exactly do I need to include in my lump sum bid?	2	See spec section 31 2000 parts 3.6 and 3.7. Within the building control area, building areas plus 10', the contractor shall include in the base bid, the cost of the volume of undercut and removal of existing material to an average depth of 3 foot for a volume of 5,700 cubic yards. Within the pavement control area, pavement areas plus 5 feet, the contractor shall include in the base bid, the cost of the volume of undercut and removal of existing material to an average depth of eighteen inches for a volume of 5,850 cubic yards. In both cases, if additional undercut is required, the contractor shall be paid by unit price through an allowance according to Section 01 2100. All undercut shall be replaced with acceptable structural fill properly compacted.

NO.	Asker	Question	ADD #	Response
28	RS	Can you get GMC to reissue the utility sheet (C-301). The text isn't printing out right. All of the text is in code and uses numbers and symbols.	1	See addendum 1
29	RS	C-101 per Project Manual Part 3—Execution 3.01F States as specified in section 32 3113. There isn't a section 32 3113. Do I need specifications and or details for the permanent 6ft black vinyl fence .	2	See addendum 2.
30	RS	L5.01 & (L6.00 detail 10) for playground fence & gate. Notes: call out for all gates to have access control and panic hardware. This is a 4ft tall fence, is access control and panic bar hardware really needed? It also states to see electrical plans; there is nothing in the electrical plans! The detail #10 shows a double swing gate. The drawing shows a single swing gate with no panic hardware. Please clarify	2	Access control is not required on playground gate.
31	RS	A4.02 Dumpster Enclosure gates Are they in the fencing scope or being picked up by others sub? If in fencing scope. I will need better specifications on materials to be used.	2	See addendum 2.
32	RS	I'm working on pricing the DFH for this project for you, but it is missing the entire door hardware spec, and sets. I cannot proceed with pricing until I have hardware sets to work with.	2	See addendum 2.
33	RS	Are all of the right of way striping and stop bars thermoplastic?	2	Refer to specification 32 1723 Pavement Markings.
34	RS	Are all parking bays, handicapped symbols, & hatched areas paint?	2	Refer to specification 32 1723 Pavement Markings.
35	RS	Are crosswalks thermo or paint. I can't find a detail specifying.	2	Refer to specification 32 1723 Pavement Markings
36	FT	Elevation H1/A4.01 references a Prefinished Aluminum Canopy at the rear of the building. Sections A1 & A4 on A5.12 indicate Glu-Lam construction with a Standing Seam Metal Roof. Please clarify the construction and provide specs for the Glu-Lam & Standing Seam Metal roof, if that is what is intended.	2	See structural drawings for required 2x wood decking plus sheathing.
37	BC	Trash receptacles are listed in the Site Furnishing specs 32 3300- 2.02, but not shown on the drawings. Please provide a quantity.	2	Trash receptacles not required for this project.
38	BC	Please verify if the following items are CFCI. The schedule on A8.01 on S32-33 contradicts and S10 needs specifications. S10 - Vending Machine S32 - TV - Wall Mounted S33 - TV - Wall Mounted	2	The Vending Machine is owner furnish and install. Contractor will not install. The TV's are CFCI and have an allowance.
39	BC	TA17 is not listed on the Toilet Accessory Schedule, but called out on drawings. Please give specifications.	2	See addendum 2 for revised sheet A7.01 and Revised Section 10 2800

NO.	Asker	Question	ADD #	Response
40	GS	For the concrete sealer, plans call for two coats of sealer; specifications call for one coat. Please clarify which is correct.		<b>Provide further information. What is the spec? Which plans?</b>
41	GS	G1/A1.11 shows 8 outdoor picnic tables. Note on L5.00 calls for four tables. Which is correct?	2	8 is correct.
42	GS	L7.00 shows limits of irrigation. Is the 2 year maintenance warranty called for in 32 9700 expected to cover non-irrigated areas?	2	Yes, maintenance should cover all plant material.
43	GS	Sheet E1.04 shows communications outlets with symbols that are not shown on the symbol's legend or in any notes. As an example, communications outlets with a symbol that states either 1D1C1"PR" or 2D1"P". Please clarify what the "P" is for and what the "PR" is for and what type of cabling will be required for each.	2	Where "P" is denoted on the electrical drawings, refer to "*H" on detail "E-CO". Where "PR" is denoted, refer to "*HD" on detail "E-CO". The intent is for these designations to be HDMI hook-ups.
44	GS	Sheet E1.04 shows all data locations for communications outlets but does not state which communications room each cable should be run to. This is typically called out so that the network team can plan the appropriate amount of switch gear to install. Is there a match line that can be provided that shows which communications room each outlet needs to be run to? This will also help with cable distance for each outlet as well.	2	Connect structured cabling to the nearest MDF/IDF. Submit shop drawings per specification requirements indicating room and labeling for each device.
45	GS	Sheet E3.02 in the Paging System Riser Diagram states that a 3 zone paging module be installed. Will there be a zone layout for the paging speakers? Which Communications room will the Paging system be installed in?	2	Locate paging amplifier in Server 1205. Paging zones shall be (corridors east, corridors west, and support spaces).
46	GS	Sheet E4.01 shows a symbol for a wireless access point but there are none shown on the drawings. Please provide a location, or confirm that no wireless access point cabling is required.	2	No wireless access points are required for this project.
47	GS	Sheet E1.06 shows the comm room layout and how it should be built. There is no ladder racking within the communications rooms. Specifications call for 18" ladder racking, but it is not shown on the drawings. Please clarify.	2	Provide ladder rack per electrical specification requirements.
48	BC	L5.01 & (L6.00 detail 10) for playground fence & gate. Notes: call out for all gates to have access control and panic hardware. This is a 4ft tall fence, is access control and panic bar hardware needed? It also states to see electrical plans, but there is nothing in the electrical plans. The detail #10 shows a double swing gate, but the drawing shows a single swing gate with no panic hardware. Please clarify.	2	Access control is not required on playground gate.
49	BC	A4.02 Dumpster Enclosure gates- Can you please provide more specifications on the materials to be used?	2	See addendum 2.
50	BC	A1/A5.12 & 1/S3.04 shows Glulam Posts, but H1/A4.01 note says steel columns. Please clarify.	2	TJE Response: Provide glulam posts for canopy as indicated in the structural drawings.
51	BC	The Mechanical Enclosure is shown at a different location on C101 vs M1.00. Please verify the location. If in the location is as shown on C101, is the mechanical system designed to accommodate the additional distance from the building?	2	ENFRA Response: Mechanical enclosure location will be revised to match Civil drawings. These changes will be made in future Addendum.

NO.	Asker	Question	ADD #	Response
52	BC	The 6' vinyl chain link fencing on C-101 does not show any gates. Is this correct?	2	See addendum 2.
53	BC	Please verify that no blocking is needed for the Office desks as shown on A9.01.		
54	BC	There is no finish listed for the Glu-lam beams/posts at the patio area. Please provide.	2	See addendum 2.
55	BC	On the Finish Legend A8.01 in the RCP Notes, EXP-2 is listed as painted structure. All exposed ceilings are shown as EXP-1 on the reflected ceiling plan. Are these ceilings painted?	2	They are not painted.
56	GS	<b>A1/A5.21 shows R38 batt insulation both on top of the ceiling and attached to the bottom of the metal roof deck. Should the insulation on the bottom of the metal roof deck be foam insulation instead?</b>		
57	BC	Per the custom AHU schedule, on sheet M0.01, note 18, "Unit must be assembled on site by mechanical contractor. all sections must fit through a standard 36"-wide door." One of our mechanical subcontractors is concerned this will not be achievable, when it comes to fitting through a 36" wide door. Even with the detail drawing of the AHU provided on the schedule, those module sections would have a hard time fitting through that size door. Is the goal for each module/section to be able to fit through that door without breaking each module down and completely disassembling each module? Please clarify.		
58	BC	What do "P" and "PR" stand for on Auxiliary Plan E1.04? These are not in the communication outlet legend on E3.01.	2	Where "P" is denoted on the electrical drawings, refer to "*H" on detail "E-CO". Where "PR" is denoted, refer to "*HD" on detail "E-CO". The intent is for these designations to be HDMI hook-ups.
59	BC	There doesn't appear to be any locations for wireless access points. Is this correct?	2	This is correct. No wireless access points are required for this project.
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**SECTION 06 1800**  
**GLUED-LAMINATED CONSTRUCTION**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Glue laminated wood beams, purlins, and columns.
- B. Preservative treatment of wood.
- C. Steel hardware and attachment brackets.

**1.02 RELATED REQUIREMENTS**

- A. Section 09 9300 - Staining and Transparent Finishing: Products to be factory and field applied.

**1.03 REFERENCE STANDARDS**

- A. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.
- B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2024.
- C. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2023.
- D. ASTM F3125/F3125M - Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi, 144 ksi, and 150 ksi Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength; 2025a.
- E. AWPA U1 - Use Category System: User Specification for Treated Wood; 2025.
- F. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification; 2021, with Errata (2023).
- G. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2025, with Amendment (2026).
- H. SPIB (GR) - Standard Grading Rules; 2021.

**1.04 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide technical data on wood treatment.
- C. Provide certification indicating glued-laminated timbers comply with requirements of ANSI A190.1-2017.
- D. Shop Drawings: Indicate framing system, sizes and spacing of members, loads and cambers, bearing and anchor details, bridging and bracing, framed openings, and connections.
  - 1. Submit design calculations signed and sealed by design engineer.
- E. Designer's Qualification Statement.
- F. Manufacturer's Qualification Statement.
- G. Welders' Qualification Statement: Welders' certificates in accordance with AWS B2.1/B2.1M and dated no more than 12 months before start of scheduled welding work.
- H. Erector's Qualification Statement.

**1.05 QUALITY ASSURANCE**

- A. Designer Qualifications: Design structural members under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed in the State in which the Project is located.
- B. Manufacturer/Fabricator Qualifications: Company specializing in manufacture of glue laminated structural units with ten years of documented experience, and certified by AITC in accordance with AITC A190.1.

**HOUSTON COUNTY DEPARTMENT OF HUMAN RESOURCES    DOTHAN, ALABAMA**  
**HOUSTON COUNTY PUBLIC BUILDING AUTHORITY**

- C. Provide factory-glued timber units, produced by a single AITC licensed firm, qualified to issue the AITC “Quality Inspected “ Mark. Factory mark each piece of glued-laminated timber with AITC Quality Inspected Mark. Place AITC Mark on timber surfaces that will not be exposed in completed work.
- D. Erector Qualifications: Company specializing in erection of products of the type specified with five years documented experience, and approved by manufacturer.
- E. Welder Qualifications: Welding processes and welding operators qualified in accordance with AWS D1.1/D1.1M and no more than 12 months before start of scheduled welding work.

**1.06 DELIVERY, STORAGE, AND HANDLING**

- A. Schedule delivery and installation of glue-laminated wood members to avoid extended on-site storage.
  - 1. Comply with AITC III-“Recommended Practice for Protection of Structural Glued-Laminated Timber during Transit, Storage and Erection.” Keep laminated wood members as dry as possible during all phases of construction. If jobsite storage is necessary, place members on blocking away from ponding water and cover with a waterproof covering which will not allow ultraviolet ray penetration.
  - 2. Time of removal of factory wrapping is optional, but it must be emphasized that factory applied wrapping provides additional protection from damage in handling and in-transit only. If further utilization of the wrap is desired for protection after shipment, the members should be inspected and provided with additional protection as necessary. If it is impractical to replace wrapping, ALL of it should be removed. Do not leave members partially exposed due to potential sun bleaching. Do not allow moisture to accumulate inside wrapping. Do not remove wrapping on individually wrapped members until it will serve no useful purpose, including protection from the weather, soiling and damage from work of other trades.
  - 3. It is imperative that the field handling instructions sheet that comes with the material shipment be thoroughly reviewed before unloading.

**PART 2 PRODUCTS**

**2.01 MANUFACTURERS**

- A. Glued-Laminated Structural Units:
  - 1. SmartLam North America; 1371 Hodgesville Road Dothan, AL 36301: <https://smartlam.com/>.
  - 2. Substitutions: See Section 01 6000 - Product Requirements.

**2.02 GLUED-LAMINATED UNITS**

- A. Glued-Laminated Units: Provide *Premium Appearance Grade* timbers complying with AITC 110.
  - 1. Verify dimensions and site conditions prior to fabrication.
  - 2. Cut and fit members accurately to length to achieve tight joint fit.
  - 3. Fabricate roof beams and purlins with camber as required to limit deflection to L/240.
  - 4. Do not splice or join members in locations other than those indicated without permission.
  - 5. After end trimming, seal with penetrating sealer in accordance with AITC requirements.
- B. Performance Criteria:
  - 1. General: Glued laminated members to be sized by manufacturer except as shown on drawings. Final cross sections will be based on manufacturer’s standard widths and depths. Manufacturer to provide design values (stresses) to fulfill structural demand in accordance with applicable provisions of AITC 117 “Design, Standard Specifications for Structural Glued-Laminated Timber of Softwood Species.”
  - 2. Fabricate horizontal load bearing members with camber.
  - 3. Design Floor Live and Dead Load: Reference structural drawings.
  - 4. Design Roof Live and Dead Load: Reference structural drawings.

**2.03 MATERIALS**

- A. Lumber: Comply with ANSI A190.1 and applicable lumber association standards cited therein for grades required to achieve glued-laminated timber requirements for allowable stress, appearance, fabrication limitations and species. Laminating combinations shall be visually graded as determined by manufacturer.
- B. Lumber Species: Southern Pine.
- C. Adhesives: Adhesives shall be wet-use (waterproof) complying with ANSI A190.1. Adhesives shall contain no Urea Formaldehyde.
- D. Steel Connections and Brackets: Laminated timber manufacturer to supply all fabricated steel connections to join laminated to laminated, and laminated to steel plate embeds in precast concrete. Precast embeds are designed and provided by pre-caster. Hardware shall be pre-fit and match-marked in the manufacturing facility.
  - 1. Steel work to conform to A.I.S.C. Specifications.
  - 2. Steel shall conform to ASTM A-36.
  - 3. Finish fabricated assemblies with hot-dip galvanized coating per ASTM A 153, including bolts and other fasteners.

**2.04 FABRICATION**

- A. Fabricate glue laminated structural members in accordance with AITC Industrial grade.
- B. Welding: Perform welding in accordance with AWS D1.1/D1.1M.
- C. Verify dimensions and site conditions prior to fabrication.
- D. Cut and fit members accurately to length to achieve tight joint fit.
- E. Fabricate member with camber built in.
- F. Do not splice or join members in locations other than those indicated without permission.
- G. Fabricate steel hardware and connections with joints neatly fitted, welded, and ground smooth.
- H. Immediately after end-cutting each member to final length, apply a saturation coat of end sealer to ends and other cross-cut sections in accordance with AITC requirements.
- I. Factory Finishing of Members: finish with oil-based stain as Specified in Section 09 9300.
- J. Individually wrap glued laminated timbers with manufacturer's standard water-resistant, plastic coated paper.

**PART 3 EXECUTION**

**3.01 EXAMINATION**

- A. Verify that supports are ready to receive units.
- B. Verify sufficient end bearing area.

**3.02 ERECTION**

- A. Lift members using protective straps to prevent visible damage.
- B. Set structural members level and plumb, in correct positions or sloped where indicated.
- C. Provide temporary bracing and anchorage to hold members in place until permanently secured.
- D. Fit members together accurately without trimming, cutting, splicing, or other unauthorized modification.
- E. Swab and seal the interior wood surfaces of field drilled holes in members with primer.
- F. Field Finishing: Touch-up any surfaces where oil-based stain has been blemished. Apply two coats of clear sealer as Specified in Section 09 9300.

**3.03 TOLERANCES**

- A. Framing Members: 1/2 inch (12 mm) maximum from true position.

**END OF SECTION**

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**SECTION 08 7100**  
**DOOR HARDWARE**

**PART 1 - GENERAL**

**1.1 RELATED DOCUMENTS:**

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

**1.2 SUMMARY:**

- A. This Section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.
- B. This Section includes the following:
  - 1. Architectural Hinges
  - 2. Continuous Hinges
  - 3. Key Control System, Cylinders and Cores.
  - 4. Locksets, Latchsets and Deadbolts
  - 5. Panic Devices and Fire Rated Exit Devices
  - 6. Closers and Door Control Devices
  - 7. Automatic Door Operators
  - 8. Overhead Door Stops and Holders
  - 9. Floor and Wall Stops
  - 10. Door Bolts and Coordinators
  - 11. Door Pulls, Push/Pull Plates and Push/Pull Sets
  - 12. Protective Plates
  - 13. Door Seals, Gasketing and Weatherstripping
  - 14. Thresholds
  - 15. Miscellaneous Door Control Devices
  - 16. Electromechanical Hardware
  - 17. Miscellaneous Access Control Components and Security Equipment
- C. Related Sections: The following Sections contain requirements that relate to the following sections.
  - 1. Section 01 2000: Price and Payment Procedures
  - 2. Section 08 1113: Hollow Metal Doors and Frames
  - 3. Section 08 1400: Wood Doors
  - 4. Section 08 3323: Coiling Doors
  - 5. Section 08 4113: Aluminum-Framed Entrances and Storefronts
  - 6. Division 26: Electrical
  - 7. Division 28: Electronic Safety and Security
- D. Products furnished but not installed under this Section to include:
  - 1. Cylinders for locks on entrance doors.
  - 2. Final replacement cores and keys to be installed by Owner.

**1.3 REFERENCES:**

- A. Standards of the following as referenced:
  - 1. American National Standards Institute (ANSI)
  - 2. Door and Hardware Institute (DHI)
  - 3. Factory Mutual (FM)
  - 4. National Fire Protection Association (NFPA)
  - 5. Underwriters' Laboratories, Inc. (UL)
  - 6. UL 10C - Fire Tests Door Assemblies
  - 7. Warnock Hersey
  
- B. Regulatory standards of the following as referenced:
  - 1. Department of Justice, Office of the Attorney General, *Americans with Disabilities Act*, Public Law 101-336 (ADA).
  - 2. CABO/ANSI A117.1: *Providing Accessibility and Usability for Physically Handicapped People*, 2010 edition.

**1.4 SUBMITTALS:**

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.
  
- B. Product data including manufacturers' technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements. For items other than those scheduled in the "Headings" of Section 3, provide catalog information for the specified items and for those submitted.
  
- C. Final hardware schedule coordinated with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
  - 1. Final Hardware Schedule Content: Based on hardware indicated, organize schedule into vertical format "hardware sets" indicating complete designations of every item required for each door or opening. Use specification heading numbers with any variations suffixed a, b, etc. Include the following information:
    - a. Type, style, function, size, and finish of each hardware item.
    - b. Name and manufacturer of each item.
    - c. Fastenings and other pertinent information.
    - d. Location of each hardware set cross-referenced to indications on Drawings both on floor plans and in door and frame schedule.
    - e. Explanation of all abbreviations, symbols, and codes contained in schedule.
    - f. Mounting locations for hardware.
    - g. Door and frame sizes and materials.
    - h. Keying information.
    - i. Cross-reference numbers used within schedule deviating from those specified.
    - j. Column 1: State specified item and manufacturer.
    - k. Column 2: State prior approved substituted item and its manufacturer.
  - 2. Furnish complete wiring diagrams, riser diagrams, elevation drawings and operational descriptions of electrical components and systems, listed by opening

- in the hardware submittals. Elevation drawings shall identify locations of the system components with respect to their placement in the door opening. Operational descriptions shall fully detail how each electrical component will function within the opening, including all conditions of ingress and egress. Provide a copy with each hardware schedule submitted for approval. Supply a copy with delivery of hardware to the jobsite and another copy to the Owner at the time of project completion.
3. Submittal Sequence: Submit final schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work that is critical in the Project construction schedule. Include with schedule the product data, samples, shop drawings of other work affected by door hardware, and other information essential to the coordinated review of schedule.
  4. Keying Schedule: Submit separate detailed schedule indicating clearly how the Owner's final instructions on keying of locks has been fulfilled.
- D. Provide samples if requested of each type of exposed hardware unit in finish indicated and tagged with full description for coordination with schedule. Submit samples prior to submission of final hardware schedule.
1. Samples will be returned to the supplier. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated in the Work, within limitations of keying coordination requirements.
- E. Templates for doors, frames, and other work specified to be factory prepared for the installation of door hardware. Check shop drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- F. Contract closeout submittals:
1. Operation and maintenance data: Complete information for installed door hardware.
  2. Warranty: Completed and executed warranty forms.

**1.5 QUALITY ASSURANCE:**

- A. Single Source Responsibility: Obtain each type of hardware (latch and locksets, hinges, closers, etc.) from a single manufacturer.
1. Supplier Qualifications: A recognized architectural door hardware supplier, with warehousing facilities in the Project's vicinity, that has a record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an experienced Architectural Hardware Consultant (AHC) who is available for consultation to Owner, Architect, and Contractor, at reasonable times during the course of the Work.
- B. Coordination Meetings:
1. Contractor to set up and attend the following:
    - a. Lock distributor to meet with the Owner to finalize lock functions and keying requirements and to obtain final instructions in writing.
    - b. Lock distributor and lock, closer and exit device manufacturer to meet

- with the installer prior to beginning of installation of door hardware.  
Instruct installer on proper installation of specified products.
2. General Contractor to set up and attend the following:
  3. Meet with the Owner, General Contractor, Supplier, electrical and security contractors to coordinate all electrical hardware items. Supplier to provide riser diagrams, elevation drawings, wiring diagrams and operational descriptions as required by the General and sub-contractors.
- C. Fire-Rated Openings: Provide door hardware for fire-rated openings that complies with NFPA Standard No. 80 requirements of authorities having jurisdiction.
1. Provide only items of door hardware that are listed and tested by UL or Warnock Hersey for given type/size opening and degree of label. Provide proper latching hardware, door closers, approved-bearing hinges and seals whether listed in the Hardware Schedule or not. All hardware to comply with State and local codes and UL 10C.
  2. Where emergency exit devices are required on fire-rated doors, (with supplementary marking on doors' UL labels indicating "Fire Door to be equipped with Fire Exit Hardware") provide UL label on exit devices indicating "Fire Exit Hardware".
- D. All hardware is to comply with Federal and State Handicap laws.
- E. Substitutions: Request for substitutions of items of hardware other than those listed as "acceptable and approved" shall be made to the architect in writing no later than fourteen (14) days prior to bid opening. Approval of substitutions will only be given in writing or by Addenda. Requests for substitutions shall be accompanied by samples and/or detailed information for each manufacturer of each product showing design, functions, material thickness and any other pertinent information needed to compare your product with that specified. Lack of this information will result in a refusal.
- F. Pre-Installation Coordination:
1. Installation of hardware shall be installed or directly supervised and inspected by a skilled installer certified by the manufacturer of locksets, door closers, and exit devices used on the project, or with not less than 3 years' experience in successful completion of projects similar in size and scope.
  2. Schedule a hardware pre-installation meeting on site to review and discuss the installation of continuous hinges, locksets, door closers, exit devices, overhead stops, and electromechanical door hardware.
  3. Meeting attendees shall be notified 7 days in advance and shall include: Architect, Contractor, Door Hardware Installers (including low voltage hardware), Manufacturers representatives for above hardware items, and any other effected subcontractors or suppliers.
  4. All attendees shall be prepared to distribute installation manuals, hardware schedules, templates, and physical hardware samples.

#### 1.6 PRODUCT HANDLING:

- A. Tag each item or package separately with identification related to final hardware schedule, and include basic installation instructions with each item or package.

- B. Packaging of door hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set numbers of approved hardware schedule. Two or more identical sets may be packed in same container.
- C. Inventory door hardware jointly with representatives of hardware supplier and hardware installer until each is satisfied that count is correct.
- D. Deliver individually packaged door hardware items promptly to place of installation (shop or Project site).
- E. Provide secure lock-up for door hardware delivered to the Project, but not yet installed. Control handling and installation of hardware items that are not immediately replaceable so that completion of the Work will not be delayed by hardware losses both before and after installation.

**1.7 WARRANTY:**

- A. Special warranties:
  - 1. Mortise Locks and Cylinders: Three Year Period
  - 2. Door Closers: Thirty Year Period
  - 3. Exit Devices: Three Year Period
  - 4. Electrified Exit Devices: One Year Period

**1.8 MAINTENANCE:**

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions that are packed in hardware items for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.
- B. Parts kits: Furnish manufacturers' standard parts kits for locksets, exit devices, and door closers.

**PART 2 - PRODUCTS**

**2.1 MANUFACTURED UNITS: (\*Denotes manufacturer referenced in the Hardware Headings)**

- A. Hinges:
  - 1. Acceptable manufacturers:
    - a. Ives\*
    - b. Bommer
    - c. McKinney
  - 2. Characteristics:
    - a. Templates: Provide only template-produced units.
    - b. Screws: Provide Phillips flat-head screws complying with the following requirements:
      - 1) For metal doors and frames install machine screws into drilled and tapped holes.
      - 2) For wood doors and frames install threaded-to-the-head wood screws.

- 3) For fire-rated wood doors install #12 x 1-1/4 inch, threaded-to-the-head steel wood screws.
  - 4) Finish screw heads to match surface of hinges or pivots.
  - c. Hinge pins: Except as otherwise indicated, provide hinge pins as follows:
    - 1) Out-Swing Exterior Doors: Non-removable pins.
    - 2) Out-Swing Corridor Doors with Locks: Non-removable pins.
    - 3) Interior Doors: Non-rising pins.
    - 4) Tips: Flat button and matching plug. Finished to match leafs.
  - d. Size: Size hinges in accordance with specified manufacturer's published recommendations.
  - e. Quantity: Furnish one pair of hinges for all doors up to 5'-0" high. Furnish one hinge for each additional 2-1/2 feet or fraction thereof, unless otherwise specified in Hardware Headings.
- B. Geared Continuous Hinges:
1. Acceptable manufacturers:
    - a. Ives\*
    - b. Select Products
    - c. Markar
  2. Characteristics:
    - a. Continuous gear hinges to be manufactured of extruded 6063-T6 aluminum alloy with anodized finish, or factory painted finish as scheduled.
    - b. All hinges are to be manufactured to template. Uncut hinges to be non-handed and to be a pinless assembly of three interlocking extrusions applied to the full height of the door and frame without mortising.
    - c. Vertical door loads to be carried on chemically lubricated polyacetal thrust bearings. The door and frame leaves to be continually geared together for the entire hinge length and secured with a full cover channel. Hinge to operate to a full 180°.
    - d. Hinges to be milled, anodized and assembled in matching pairs. Fasteners supplied to be steel self-drilling, self-tapping 12-24 x 3/4" screws.
    - e. Provide UL listed continuous hinges at fire doors. Continuous hinges at fire doors (suffix -FR) to meet the required ratings without the use of auxiliary fused pins or studs.
- C. Cylinders and Keying:
1. Acceptable manufacturers:
    - a. Schlage Primus Everest 29T/Schlage Everest 29T
  2. Characteristics:
    - a. New keying system: Except as otherwise indicated, provide new master key system for Project.
    - b. Provide new Schlage Primus Everest 29T Full Size Interchangeable Cores (FSIC) and cylinders at card access security doors and exterior doors.
    - c. Supplier shall establish a new grand master key system for project featuring patented, restricted keys and auxiliary locking pin. Patented key and cylinder design to be valid until 2029. All cores are to be of 7-pin design, and shall be instantly interchangeable without adaptation or modification, into the housing of all locks. Provide temporary brass

- construction cores for ALL locksets during the construction phase of the project.
- d. Schlage Everest 29T Full Size Interchangeable Cores (FSIC) and cylinders for balance of the doors. Supplier shall establish a new grand master key system for project featuring patented, restricted keys and auxiliary locking pin. Patented key and cylinder design to be valid until 2029. All cores are to be of 7-pin design, and shall be instantly interchangeable without adaptation or modification, into the housing of all locks. Provide temporary brass construction cores for ALL locksets during the construction phase of the project.
  - e. All locks and cylinders are to be constructed so that a Full Size Interchangeable Cores (FSIC) and cylinders is used. The control key is to have the same number of cuts as the master keys and is not to vary in size in any way, other than the depth of the cuts, from the size of the grandmaster, master, sub-master and operating keys.
  - f. Metals: Construct lock cylinder parts from brass or bronze, stainless steel, or nickel silver.
  - g. Comply with Owner's instructions for master keying and, except as otherwise indicated, provide individual change key for each lock that is not designated to be keyed alike with a group of related locks.
    - 1) Permanently inscribe each key with number of lock that identifies cylinder manufacturer's key symbol, and notation, "DO NOT DUPLICATE".
  - h. Key Material: Provide keys of nickel silver only.
  - i. Key Quantity: Furnish (3) change keys for each lock, (5) master keys for each master system, (5) grandmaster keys for each grandmaster system, (10) construction master keys, (2) construction Control Keys.
    - 1) Furnish one extra blank for each lock.
    - 2) Furnish construction master keys to General Contractor.
    - 3) Deliver keys to Owner.
  - j. Key Control Software: Schlage Sitemaster 200 for Windows or equivalent, supplied with factory bitting, and keyset symbols.
- D. Mortise Locksets and Latchsets: as scheduled.
- 1. Acceptable manufacturers:
    - a. Schlage L9000 Series\*
    - b. Sargent 8200 Series
    - c. Corbin Russwin ML2000 Series
  - 2. Required Features:
    - a. Chassis: Cold-rolled steel, handing field-changeable without disassembly.
    - b. Latchbolts: 3/4-inch throw stainless steel anti-friction type.
    - c. Lever Trim: Through-bolted, accessible design, cast or solid rod lever as scheduled. Spindles: Independent break-away.
    - d. Thumbturns: Accessible design not requiring pinching or twisting motions to operate.
    - e. Deadbolts: Stainless steel 1-inch throw.
    - f. Electric operation: Manufacturer-installed continuous duty solenoid.
    - g. Strikes: 16 gage curved stainless steel, bronze or brass with 1" deep box

- h. construction, lips of sufficient length to clear trim and protect clothing. Scheduled Lock Series and Design: Schlage L Series **07A**:
    - 1) Lever Design **07**
    - 2) Rosette Design **A**.
  - i. Certifications:
    - 1) ANSI A156.13, 1994, Grade 1 Operational, Grade 1 Security.
    - 2) ANSI/ASTM F476-84 Grade 30 UL Listed.
- E. Exit Devices:
- 1. Acceptable manufacturers:
    - a. Von Duprin 98 Series\*
    - b. Sargent 8000 Series
    - c. Precision Apex 2100
  - 2. Characteristics:
    - a. Exit devices to be UL Listed for life safety. Exit devices for fire rated openings to have "UL" labels for "Fire Exit Hardware."
    - b. Exit devices mounted on labeled wood doors to be mounted on the door per the door manufacturer's requirements.
    - c. All trim to be thru-bolted to the lock stile case.
    - d. Lever trim to be solid case material with a break-away feature to limit damage to the unit from vandalism. Lever design to match locksets.
    - e. All exit devices to be made of brass, bronze, stainless steel, or aluminum material, powder coated, anodized, or plated to the standard architectural finishes to match the balance of the door hardware.
    - f. Provide glass bead conversion kits to shim exit devices on doors with raised glass beads.
    - g. All exit devices to be one manufacturer. No deviation will be considered.
    - h. All series exit devices to incorporate a fluid damper, which decelerates the touchpad on its return stroke and eliminates noise associated with exit device operation. All exit devices to be non-handed. Touchpad to extend a minimum of 1/2 of the door width and to extend to the height of the cross rail housing for a "no pinch" operation. Plastic touchpads are not acceptable. All latchbolts to be the deadlocking type. Latchbolts to have a self-lubricating coating to reduce wear. Plated or plastic coated latchbolts are not acceptable. Plastic linkage and "dogging" components are not acceptable.
    - i. Surface vertical rod devices to be UL labeled for fire door applications without the use of bottom rod assemblies. Where bottom rods are required for security applications, the devices to be UL labeled for fire doors applications with rod and latch guards by the device manufacturer.
    - j. Exit devices to include impact resistant, flush mounted end cap design to avoid damage due to carts and other heavy objects passing through an opening. End cap to be of heavy-duty metal alloy construction and provide horizontal adjustment to provide alignment with device cover plate. When exit device end cap is installed, no raised edges will protrude.
- F. Closers and Door Control Devices:
- 1. Acceptable manufacturers:
    - a. LCN Closers 4010/4110/4020 Series\*
    - b. Norton 9500 Series

- c. Corbin Russwin DC8000
2. Characteristics:
  - a. Door closers to have fully hydraulic, full rack and pinion action with a high strength cast iron cylinder.
  - b. All closers to utilize a stable fluid withstanding temperature range of 120°F to -30°F without seasonal adjustment of closer speed to properly close the door. Closers for fire-rated doors to be provided with temperature stabilizing fluid that complies with standards UBC 7-2 (1997) and UL 10C.
  - c. Spring power to be continuously adjustable over the full range of closer sizes, and allow for reduced opening force for the physically handicapped. Spring power adjustment (LCN Fast™ Power Adjust) allows for quick and accurate power adjustment and visually shows closer power size settings by way of dial adjustment gauge located on closer spring tube. Hydraulic regulation to be by tamper-proof, non-critical valves. Closers to have separate adjustment for latch speed, general speed and back check.
  - d. All closers to have solid forged steel main arms (and forearms for parallel arm closers) and where specified to have a cast-in solid stop on the closer shoe (“CUSH”). All parallel arm mounted closers to have “EDA” type arms or, where door travel on out-swing doors must be limited, use “CUSH” or “SCUSH” type closers. Auxiliary stops are not required when “CUSH” type closers are used. Provide drop plates where top rail of door is not sufficient for closer mounting. Provide “cush shoe supports” and “blade stop spacers” where dictated by frame details.
  - e. All surface closers to be certified to exceed ten million (10,000,000) full load cycles by a recognized independent testing laboratory. All closers (overhead, surface and concealed) to be of one manufacturer and carry manufacturer's ten year warranty (electric closers to have two year warranty).
  - f. Access-Free Manual Closers: Where manual closers are indicated for doors required to be accessible to the physically handicapped provide adjustable units complying with ADA and ANSI A-117.1 provisions for door opening force.
  - g. Closers to be installed to allow door swing as shown on plans. Doors swinging into exit corridors to provide for corridor clear width as required by code. Where possible, mount closers inside rooms.
  - h. Powder coating finish to be certified to exceed 100 hours salt spray testing by ETL, an independent testing laboratory used by BHMA for ANSI certification.
- G. Overhead Door Holders:
  1. Acceptable manufacturers:
    - a. Glynn Johnson\*
    - b. Rixson Firemark
  2. Characteristics:
    - a. Provide heavy duty concealed door holders of stainless steel.
    - b. Provide heavy duty surface mounted door holders of stainless steel.
    - c. Concealed holders to be installed with the jamb bracket mortised flush with the bottom of the jamb. The arm and channel to be mortised into the door.

- d. Surface holders to be installed with the jamb bracket mounted on the stop.
- H. Floor Stops and Wall Bumpers:
- 1. Acceptable manufacturers:
    - a. Ives\*
    - b. Trimco
    - c. Rockwood Manufacturing
  - 2. Characteristics: Refer to Hardware Headings.
- I. Door Bolts/Coordinators:
- 1. Acceptable manufacturers:
    - a. Ives\*
    - b. Trimco
    - c. Rockwood Manufacturing
  - 2. Characteristics:
    - a. Flush bolts to be forged brass 6-3/4" x 1", with 1/2" diameter bolts. Plunger to be supplied with milled surface one side that fits into a matching guide.
    - b. Automatic flush bolts to be UL listed as top and bottom bolts on a pair of classified fire doors. Bolt construction to be of rugged steel and brass components.
    - c. Self-latching flush bolts to be UL listed as top and bottom bolts on a pair of classified fire doors. Bolt construction to be of rugged steel and brass components.
    - d. Automatic flush bolts and self-latching flush bolts to be UL listed for fire door application without bottom bolts (LBB).
    - e. Furnish dust proof bottom strikes.
    - f. Coordinator to be soffit mounted non-handed fully automatic UL listed coordinating device for sequential closing of paired doors with or without astragals.
    - g. Provide filler piece to close the header. Provide brackets as required for mounting of soffit applied hardware.
- J. Push Plates:
- 1. Acceptable manufacturers:
    - a. Ives\*
    - b. Trimco
    - c. Rockwood Manufacturing
  - 2. Characteristics:
    - a. Exposed Fasteners: Provide manufacturers standard exposed fasteners.
    - b. Material to be forged stainless steel, per the Hardware Headings.
    - c. Provide plates sized as shown in Hardware Headings.
- K. Door Pulls & Pull Plates:
- 1. Acceptable manufacturers:
    - a. Ives\*
    - b. Trimco
    - c. Rockwood Manufacturing
  - 2. Characteristics:
    - a. Provide concealed thru-bolted trim on back to back mounted pulls, but

- not for single units.
  - b. Material to be forged stainless steel.
  - c. Provide units sized as shown in Hardware Headings.
  
- L. Push Pull Sets:
  - 1. Acceptable manufacturers:
    - a. Ives\*
    - b. Trimco
    - c. Rockwood Manufacturing
  - 2. Characteristics:
    - a. Provide mounting systems as shown in hardware sets.
    - b. Material to be tubular stainless steel.
    - c. Provide Push/Pull sets sized as shown in Hardware Headings.
  
- M. Protective Plates:
  - 1. Acceptable manufacturers:
    - a. Ives\*
    - b. Trimco
    - c. Rockwood Manufacturing
  - 2. Characteristics:
    - a. Provide manufacturers standard exposed fasteners for door trim units consisting of either machine screws or self-tapping screws.
    - b. Materials:
    - c. Metal Plates: Stainless Steel, .050 inch (U.S. 18 gage).
    - d. Fabricate protection plates not more than 2 inches less than door width on push side and not more than 1 inch less than door width on pull side.
    - e. Sizes:
      - 1) Refer to hardware headings for specific sizes.
      - 2) Kick plates to be 8 inches in height.
      - 3) Mop plates to be 6 inches in height.
      - 4) Kick plates and Mop plates to be 1" less than bottom rail height where applicable.
      - 5) Armor plates to be 34 inches in height. Armor plates on fire doors to comply with NFPA 80.
  
- N. Thresholds:
  - 1. Acceptable manufacturers:
    - a. Zero Weatherstripping Co., Inc.\*
    - b. Pemko
    - c. Reese Industries
  - 2. Types: Indicated in Hardware Headings.
  
- O. Door Seals/Gasketing:
  - 1. Acceptable manufacturers:
    - a. Zero Weatherstripping Co., Inc.\*
    - b. Pemko
    - c. Reese Industries
  - 2. Types: Indicated in Hardware Headings.
  
- P. Silencers:
  - 1. Acceptable manufacturers:

- a. Ives\*
  - b. Hager
  - c. Rockwood Manufacturing
2. Provide three for each single door; two for each pair of doors.
- Q. Key Cabinet and System:
1. Acceptable manufacturers:
    - a. Telkee, Inc. (As Required)
  2. Provide a key control system including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150 percent of the number of locks required for the project.
  3. Provide complete cross index system set up by key control distributor, and place keys on markers and hooks in the cabinet as determined by the final key schedule.
  4. Provide hinged-panel type cabinet for wall mounting.
  5. Provide multiple-drawer type cabinet.
- R. Knox Box:
1. Acceptable manufacturers:
    - a. Knox Box 3200 Series. (As Required)
  2. Provide one surface mount Knox Box 3200 Series.
  3. Provide unit compatible with the local Fire Department Knox key system.
  4. General contractor shall install in location provided by architect.

## 2.2 MATERIALS AND FABRICATION:

- A. Manufacturer's Name Plate: Do not use manufacturers' products that have manufacturer's name or trade name displayed in a visible location (omit removable nameplates) except in conjunction with required fire-rated labels and as otherwise acceptable to Architect.
1. Manufacturer's identification will be permitted on rim of lock cylinders only.
- B. Base Metals: Produce hardware units of basic metal and forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness, but in no case of lesser (commercially recognized) quality than specified for applicable hardware units by applicable ANSI/BHMA A156 series standards for each type of hardware item and with ANSI/BHMA A156.18 for finish designations indicated. Do not furnish "optional" materials or forming methods for those indicated, except as otherwise specified.
- C. Fasteners: Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
1. Do not provide hardware that has been prepared for self-tapping sheet metal screws, except as specifically indicated.
  2. Furnish screws for installation with each hardware item. Provide Phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match hardware finish or, if exposed in surfaces of other work, to match finish of this other work as closely as possible including "prepared for paint" surfaces to receive painted finish.
  3. Provide concealed fasteners for hardware units that are exposed when door is closed except to the extent no standard units of type specified are available with

- concealed fasteners.
4. Use thru-bolts for installation of all exit devices, closers, and surface-mounted overhead stops. Coordinate with wood doors and metal doors and frames. Where thru-bolts are used, provide sleeves for each thru-bolt as a means of reinforcing the work, or provide sex nuts and bolts.

### **2.3 HARDWARE FINISHES:**

- A. Match items to the manufacturer's standard color and texture finish for the latch and lock sets (or push-pull units if no latch or lock sets).
- B. Provide finishes that match those established by ANSI or, if none established, match the Architect's sample.
- C. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware.
- D. Provide protective lacquer coating on all exposed hardware finishes of brass, bronze, and aluminum, except as otherwise indicated. The suffix "-NL" is used with standard finish designations to indicate "no lacquer."
- E. The designations used to indicate hardware finishes are those listed in ANSI/BHMA A156.18, "Materials and Finishes," including coordination with the traditional U.S. finishes shown by certain manufacturers for their products.
- F. All hardware to be 626 (US26D), 652 (US26D) Satin Chrome Finish, with the following exceptions:
  1. Continuous Hinges: 628 (US28) Clear Anodized Aluminum
  2. Exterior Butt Hinges: 630 (US32D) Satin Stainless Steel
  3. Door Closers: 689 Powder Coat Aluminum
  4. Push Plates: 630 (US32D) Satin Stainless Steel
  5. Pull Plates: 630 (US32D) Satin Stainless Steel
  6. Protective Plates: 630 (US32D) Satin Stainless Steel
  7. Overhead Holders: 630 Satin Stainless Steel

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION:**

- A. Mount hardware units at heights indicated in following applicable publications, except as specifically indicated or required to comply with governing regulations and except as otherwise directed by Architect.
  1. "Recommended Locations for Builders Hardware for Standard Steel Doors and Frames" by the Door and Hardware Institute.
  2. "Recommended Locations for Builders Hardware for Custom Steel Doors and Frames" by the Door and Hardware Institute.
  3. NWWDA Industry Standard I.S.1.7, "Hardware Locations for Wood Flush Doors."
- B. Install each hardware item in compliance with the manufacturer's instructions and

recommendations. Where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation or application of surface protection with finishing work specified in the Division 9 Sections. Do not install surface-mounted items until finishes have been completed on the substrates involved.

- C. Set units level, plumb, and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.
- D. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.
- E. Set thresholds for exterior doors in full bed of butyl-rubber or polyisobutylene mastic sealant complying with requirements specified in Division 7 Section "Joint Sealers".
- F. Weatherstripping and Seals: Comply with manufacturer's instructions and recommendations to the extent installation requirements are not otherwise indicated.

**3.2 ADJUSTING, CLEANING, AND DEMONSTRATING:**

- A. Adjust and check each operating item of hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate freely and smoothly or as intended for the application made.
  - 1. Where door hardware is installed more than one month prior to acceptance or occupancy of a space or area, return to the installation during the week prior to acceptance or occupancy and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors. Adjust door control devices to function properly with final operation of heating and ventilating equipment.
- B. Clean adjacent surfaces soiled by hardware installation.
- C. Door Hardware Supplier's Field Service:
  - 1. Inspect door hardware items for correct installation and adjustment after complete installation of door hardware.
  - 2. Instruct Owner's personnel in the proper adjustment and maintenance of door hardware and hardware finishes.
  - 3. File written report of this inspection to Architect.

**3.3 HARDWARE SCHEDULE:**

HARDWARE SET: 01

DOOR NUMBER:

1003B

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5 NRP	IVE
1	PANIC HARDWARE	98-L	VON
1	RIM CYLINDER	20-057 ICX	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4111 EDA MC TBWMS	LCN
1	KICK PLATE	8400 8" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE

HARDWARE SET: 02

DOOR NUMBER:

1066                      1068                      1070

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	CLASSROOM LOCK	L9070T	SCH
1	FSIC CORE	23-030	SCH
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 03

DOOR NUMBER:

1105

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	CLASSROOM LOCK	L9070T	SCH
1	FSIC CORE	23-030	SCH
1	OH STOP	90S	GLY
3	SILENCER	SR64	IVE

HARDWARE SET: 04

DOOR NUMBER:

1065

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	CLASSROOM LOCK	L9070T	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4011 MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 05

DOOR NUMBER:

1005	1006	1008	1009	1010	1011
1012	1013	1014	1015	1016	1017
1018	1019	1020	1021	1022	1023
1024	1025	1026	1027	1028	1029
1030	1031	1032	1033	1034	1035
1036	1037	1038	1039	1040	1041
1044	1045	1046	1047	1048	1049
1050	1051	1052	1053	1055	1056
1058	1063	1067	1075	1101A	1101B
1104	1111	1112	1113	1114	1115
1116	1118	1120	1121	1122	1123
1124	1125	1126	1127	1128	1129
1130	1149	1151	1152	1153	1155
1157	1159	1183	1185	1187	1188
1189A	1189B	1190	1191	1192	1194
1195	1196	1197			

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	OFFICE/ENTRY LOCK	L9050T L583-363	SCH
1	FSIC CORE	23-030	SCH
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 06

DOOR NUMBER:

1201

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	OFFICE/ENTRY LOCK	L9050T L583-363	SCH
1	FSIC CORE	23-030	SCH
1	OH STOP	90S	GLY
3	SILENCER	SR64	IVE

HARDWARE SET: 07

DOOR NUMBER:

100A                      1100A                      1210

EACH TO HAVE:

3	HINGE	5BB1HW 4.5 X 4.5	IVE
1	PUSH PLATE	8200 4" X 16"	IVE
1	PULL PLATE	8303 10" 4" X 16"	IVE
1	SURFACE CLOSER	4011 MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	MOP PLATE	8400 6" X 1" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 08

DOOR NUMBER:

1209

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	CLASSROOM LOCK	L9070T	SCH
1	FSIC CORE	23-030	SCH
1	OH STOP	90S	GLY
1	SURFACE CLOSER	4011 MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 09

DOOR NUMBER:

1302

EACH TO HAVE:

3	HINGE	5BB1HW 4.5 X 4.5	IVE
1	PUSH PLATE	8200 4" X 16"	IVE
1	PULL PLATE	8303 10" 4" X 16"	IVE
1	SURFACE CLOSER	4111 EDA MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 10

DOOR NUMBER:

1301

EACH TO HAVE:

3	HINGE	5BB1HW 4.5 X 4.5	IVE
1	PUSH PLATE	8200 4" X 16"	IVE
1	PULL PLATE	8303 10" 4" X 16"	IVE
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 11

DOOR NUMBER:

1108

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	PRIVACY W/DEADBOLT	L9440 L583-363 L283-721	SCH
1	OH STOP	90S	GLY
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	MOP PLATE	8400 6" X 1" LDW B-CS	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 12

DOOR NUMBER:

1059                      1071

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	PRIVACY W/DEADBOLT	L9440 L583-363 L283-721	SCH
1	SURFACE CLOSER	4011 MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	MOP PLATE	8400 6" X 1" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 13

DOOR NUMBER:

1004                      1061                      1064                      1074

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	STOREROOM LOCK	L9080T	SCH
1	FSIC CORE	23-030	SCH
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 14

DOOR NUMBER:

1206A

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	STOREROOM LOCK	L9080T	SCH
1	FSIC CORE	23-030	SCH
1	OH STOP	90S	GLY
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 15

DOOR NUMBER:

1103

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	STOREROOM LOCK	L9080T	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
3	SILENCER	SR64	IVE

HARDWARE SET: 16

DOOR NUMBER:  
1072

EACH TO HAVE:

6	HINGE	5BB1 4.5 X 4.5	IVE
1	MANUAL FLUSH BOLT	FB458	IVE
1	DUST PROOF STRIKE	DP1	IVE
1	STOREROOM LOCK	L9080T	SCH
1	FSIC CORE	23-030	SCH
1	OH STOP	90S	GLY
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
2	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
2	SILENCER	SR64	IVE

HARDWARE SET: 17

DOOR NUMBER:  
1107

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	EU MORTISE LOCK	L9092TEU RX DPS CON 12/24 VDC	SCH
1	FSIC CORE	23-030	SCH
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	POWER SUPPLY	PS902 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.  
BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 18

DOOR NUMBER:

1119A	1132	1154	1156	1158	1161
1162	1163	1164	1165	1166	1167
1168	1169	1170	1171	1172	1173
1174	1175	1176	1177	1178	1179
1180	1182	1184	1186	1202	1206B

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	EU MORTISE LOCK	L9092TEU RX DPS CON 12/24 VDC	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4011 MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
3	SILENCER	SR64	IVE
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	POWER SUPPLY	PS902 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.  
BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 19

DOOR NUMBER:

1042	1106	1206A
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EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	EU MORTISE LOCK	L9092TEU RX DPS CON 12/24 VDC	SCH
1	FSIC CORE	23-030	SCH
1	OH STOP	90S	GLY
1	SURFACE CLOSER	4011 MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
3	SILENCER	SR64	IVE
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	POWER SUPPLY	PS902 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.  
BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 20

DOOR NUMBER:

1119B

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5 NRP	IVE
1	EU MORTISE LOCK	L9092TEU RX DPS CON 12/24 VDC	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4111 EDA MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
3	SILENCER	SR64	IVE
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	POWER SUPPLY	PS902 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 21

DOOR NUMBER:

1002A                      1060                      1062                      1207

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5 NRP	IVE
1	EU MORTISE LOCK	L9092TEU RX DPS CON 12/24 VDC	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
3	SILENCER	SR64	IVE
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	POWER SUPPLY	PS902 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 22

DOOR NUMBER:

1205

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5	IVE
1	EU MORTISE LOCK	L9092TEU RX DPS CON 12/24 VDC	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4011 MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
1	GASKETING	188SBK PSA	ZER
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	POWER SUPPLY	PS902 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.  
BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 23

DOOR NUMBER:

E1003

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5 NRP 630	IVE
1	EU MORTISE LOCK	L9092TEU RX DPS CON 12/24 VDC	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
1	KICK PLATE	8400 10" X 2" LDW B-CS	IVE
1	RAIN DRIP	142AA (AS REQ'D)	ZER
1	GASKETING	8144SBK PSA	ZER
1	DOOR SWEEP	8198AA	ZER
1	THRESHOLD	65A-223	ZER
3	SILENCER	SR64	IVE
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	POWER SUPPLY	PS902 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.  
BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 24

DOOR NUMBER:

1001A                      1001B                      1002B                      1003A

EACH TO HAVE:

3	HINGE	5BB1HW 4.5 X 4.5 NRP	IVE
1	POWER TRANSFER	EPT10 CON	VON
1	ELEC PANIC HARDWARE	LXRX-LC-QEL-98-NL-CON-SNB 24 VDC	VON
1	RIM CYLINDER	20-057 ICX	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4111 EDA MC TBWMS	LCN
1	KICK PLATE	8400 8" X 2" LDW B-CS	IVE
1	WALL STOP	WS401/402CVX	IVE
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	DOOR CONTACT	679-05HM	SCE
1	POWER SUPPLY	PS902 900-4RL 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.  
BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 25

DOOR NUMBER:

1073                      1102

EACH TO HAVE:

3	HINGE	5BB1 4.5 X 4.5 NRP	IVE
1	POWER TRANSFER	EPT10 CON	VON
1	ELEC PANIC HARDWARE	LXRX-LC-QEL-98-NL-CON-SNB 24 VDC	VON
1	RIM CYLINDER	20-057 ICX	SCH
1	FSIC CORE	23-030	SCH
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
1	KICK PLATE	8400 8" X 2" LDW B-CS	IVE
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	DOOR CONTACT	679-05HM	SCE
1	POWER SUPPLY	PS902 900-4RL 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.  
BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 26

DOOR NUMBER:

E1005                      E1006                      E1008

EACH TO HAVE:

3	HINGE	5BB1HW 4.5 X 4.5 NRP 630	IVE
1	POWER TRANSFER	EPT10 CON	VON
1	ELEC PANIC HARDWARE	LXRX-LC-QEL-98-NL-CON-SNB 24 VDC	VON
1	PRIMUS RIM CYLINDER	20-757	SCH
1	PRIMUS CORE	20-740	SCH
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
1	KICK PLATE	8400 8" X 2" LDW B-CS	IVE
1	RAIN DRIP	142AA (AS REQ'D)	ZER
1	GASKETING	8144SBK PSA	ZER
1	DOOR SWEEP	8198AA	ZER
1	THRESHOLD	65A-223	ZER
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	DOOR CONTACT	679-05HM	SCE
1	POWER SUPPLY	PS902 900-4RL 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 27

DOOR NUMBER:

E1002

EACH TO HAVE:

3	HINGE	5BB1HW 5 X 4.5 NRP 630	IVE
1	POWER TRANSFER	EPT10 CON	VON
1	ELEC PANIC HARDWARE	LXRX-LC-QEL-98-NL-CON-SNB 24 VDC	VON
1	PRIMUS RIM CYLINDER	20-757	SCH
1	PRIMUS CORE	20-740	SCH
1	SURFACE CLOSER	4111 SCUSH MC TBWMS	LCN
1	KICK PLATE	8400 8" X 2" LDW B-CS	IVE
1	RAIN DRIP	142AA (AS REQ'D)	ZER
1	GASKETING	8144SBK PSA	ZER
1	DOOR SWEEP	8198AA	ZER
1	THRESHOLD	65A-223	ZER
1	WIRE HARNESS (HARDWARE TO EPT)	CON-192/192P (LENGTH AS REQUIRED)	SCH
1	WIRE HARNESS (EPT TO BLDG. PWR.)	CON-6W	SCH
1	CREDENTIAL READER	BY SECURITY/ACCESS CTRL SYSTEMS	
1	DOOR CONTACT	679-05HM	SCE
1	POWER SUPPLY	PS902 900-4RL 120/240 VAC	VON

COORDINATE HARDWARE WITH ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

BALANCE OF EAC COMPONENTS BY ELECTRICAL, SECURITY AND ACCESS CONTROL SYSTEMS.

OPERATION: CARD READER TO UNLOCK HARDWARE AND ALLOW PASSAGE MOMENTARILY. FREE EGRESS AT ALL TIMES.

HARDWARE SET: 28

DOOR NUMBER:

1007A	1007B	1069A	1069B	1160A	1160B
1181A	1181B	1200	1208		

CASED OPENING TO RECEIVE NO HARDWARE.

HARDWARE SET: AL-01

DOOR NUMBER:

E1000

EACH TO HAVE:

2	CONT. HINGE	112XY	IVE
1	REMOVABLE MULLION	KR4954 STAB	VON
1	PANIC HARDWARE	CD-98-EO	VON
1	PANIC HARDWARE	CD-98-NL-OP-110MD	VON
2	DOOR PULL	9264F 36" O	IVE
3	MORTISE CYLINDER	20-061 ICX (DOGGING/MULLION)	SCH
3	FSIC CORE	23-030 (DOGGING/MULLION)	SCH
1	PRIMUS RIM CYLINDER	20-757 ICX	SCH
1	PRIMUS CORE	20-740	SCH
2	OH STOP	100S	GLY
2	SURFACE CLOSER	4021 MC TBSRT	LCN
2	MOUNTING PLATE	4020-18 SRT	LCN
1	MULLION SEAL	139N PSA	ZER
1	THRESHOLD	65A-223	ZER

COORDINATE HARDWARE WITH ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.  
BALANCE OF HARDWARE BY ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.

HARDWARE SET: AL-02

DOOR NUMBER:

1000

EACH TO HAVE:

2	CONT. HINGE	112XY	IVE
1	REMOVABLE MULLION	KR4954 STAB	VON
1	PANIC HARDWARE	CD-98-EO	VON
1	PANIC HARDWARE	CD-98-NL-OP-110MD	VON
2	DOOR PULL	9264F 36" O	IVE
3	MORTISE CYLINDER	20-061 ICX (DOGGING/MULLION)	SCH
3	FSIC CORE	23-030 (DOGGING/MULLION)	SCH
1	PRIMUS RIM CYLINDER	20-757 ICX	SCH
1	PRIMUS CORE	20-740	SCH
2	OH STOP	100S	GLY
2	SURFACE CLOSER	4021 MC TBSRT	LCN
2	MOUNTING PLATE	4020-18 SRT	LCN
1	MULLION SEAL	139N PSA	ZER

COORDINATE HARDWARE WITH ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.  
BALANCE OF HARDWARE BY ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.

END OF SECTION

**SECTION 10 2800**  
**TOILET ACCESSORIES**

**PART 1 GENERAL**

**1.01 RELATED DOCUMENTS**

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

**1.02 SUMMARY**

- A. Section includes surface preparation and the application of paint systems on interior substrates.
  - 1. Public-use washroom accessories
  - 2. Warm-air dryers
  - 3. Childcare accessories
  - 4. Underlavatory guards
  - 5. Custodial accessories

**1.03 COORDINATION**

- A. Coordinate accessory locations with other work to prevent interference with clearances required for access by people with disabilities, and for proper installation, adjustment, operation, cleaning, and servicing of accessories.
- B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

**1.04 ACTION SUBMITTALS**

- A. Product Data: For each type of product.
  - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
  - 2. Include anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.
  - 3. Include electrical characteristics.
- B. Samples: Full size, for each exposed product and for each finish specified.
  - 1. Approved full-size Samples will be returned and may be used in the Work.
- C. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.
  - 1. Identify locations using room designations indicated.
  - 2. Identify products using designations indicated.

**1.05 INFORMATIONAL SUBMITTALS**

- A. Sample Warranty: For manufacturer's special warranty.

**1.06 CLOSEOUT SUBMITTALS**

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

**1.07 QUALITY ASSURANCE**

- A. Source Limitations: For products listed together in the same Part 2 articles, obtain products from a single source from a single manufacturer.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

**1.08 WARRANTY**

- A. Manufacturer's Special Warranty for Mirrors: Manufacturer agrees to repair or replace mirrors that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, visible silver spoilage defects.
  - 2. Warranty Period: 15 years from date of Substantial Completion.

**PART 2 PRODUCTS**

**2.01 OWNER-FURNISHED MATERIALS**

- A. Owner-Furnished Materials: TA08, TA15.

**2.02 PERFORMANCE REQUIREMENTS**

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

**2.03 MANUFACTURER**

- A. Basis-of-Design Products: Subject to compliance with requirements, provide the listed Basis-of-Design Products.
  - 1. Bobrick Washroom Equipment, Inc. (Basis-of-Design Product Manufacturer)

**2.04 SLOAN VALVE COMPANY (SOAP DISPENSERS ONLY)**

- A. Koala (Childcare Accessories Only)
- B. Plumberex (Underlavatory Guards Only)
  - 1. Or comparable products by one of the following:
    - a. American Specialties, Inc.
    - b. Bradley Corporation.
  - 2. Alternate products submitted for consideration (from one of the manufacturers listed above) must show an itemized comparison with each product named below.

**2.05 PUBLIC-USE WASHROOM ACCESSORIES**

- A. Toilet Tissue Dispenser (Standard Roll): **TA01**
  - 1. Basis-of-Design Product: Bobrick B-2840
    - a. Description: Double-roll dispenser with utility shelf.
    - b. Mounting: Surface mounted.
    - c. Operation: Non-control delivery with theft-resistant spindle.
    - d. Capacity: Up to 5 1/2-inch diameter tissue rolls.
    - e. Material and Finish: Stainless steel, No. 4 satin finish, with high impact, black, polystyrene spindles.
- B. Paper Towel Dispenser, Automatic (Roll): TA08 [OFCI]
- C. Waste Receptacle, Surface Mount, Large: TA11
  - 1. Basis-of-Design Product: Bobrick B-277
  - 2. Mounting: Surface Mounted.
  - 3. Minimum Capacity: 12.75 gallon.
  - 4. Material and Finish: Stainless steel, No. 4 satin finish.
  - 5. Waste Receptacle Profile: Arc-front.
  - 6. Trash Liner Holder: Removable holding device designed to facilitate installation and removal of disposable trash liners and to retain liner inside waste receptacle. Device shall have a molded plastic sleeve with a stainless steel U-shaped support strap.
- D. Soap Dispenser, Liquid Type, Manual: TA15 [OFCI]
- E. Grab Bar (short): TA20
  - 1. Basis-of-Design Product: Bobrick B-6806 x 18
  - 2. Mounting: Flanges with concealed fasteners.
  - 3. Material and Finish:
    - a. Material: Stainless steel, 0.05 inch thick.
    - b. Finish: Smooth, No. 4 satin finish on ends and slip-resistant texture in grip area.
    - c. Outside Diameter: 1-1/2 inches.
    - d. Configuration and Length: Straight, 18 inches long.
- F. Grab Bar (medium): TA21
  - 1. Basis-of-Design Product: Bobrick B-6806 x 36

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2. Mounting: Flanges with concealed fasteners.
  3. Material and Finish:
    - a. Material: Stainless steel, 0.05 inch thick.
    - b. Finish: Smooth, No. 4 satin finish on ends and slip-resistant texture in grip area.
    - c. Outside Diameter: 1-1/2 inches.
    - d. Configuration and Length: Straight, 36 inches long.
- G. Grab Bar (long): TA22
1. Basis-of-Design Product: Bobrick B-6806 x 42
  2. Mounting: Flanges with concealed fasteners.
  3. Material and Finish:
    - a. Material: Stainless steel, 0.05 inch thick.
    - b. Finish: Smooth, No. 4 satin finish on ends and slip-resistant texture in grip area.
    - c. Outside Diameter: 1-1/2 inches.
    - d. Configuration and Length: Straight, 42 inches long.
- H. Mirror, Framed, without Shelf: TA23
1. Basis-of-Design Product: Bobrick B-165-2436
  2. Frame: Stainless steel channel.
  3. Corners: Mitered, welded, and ground smooth.
  4. Hangers: Produce rigid, tamper and theft-resistant installation, using one-piece, galvanized steel, wall hanger device with spring action locking mechanism to hold mirror unit in position with no exposed screws or bolts.
  5. Size: 24 inches wide x 36 inches high.
- I. Grab Bar: TA24
1. Basis-of-Design Product: Bobrick B-6806 x 24
  2. Mounting: Flanges with concealed fasteners.
  3. Material and Finish:
    - a. Material: Stainless steel, 0.05 inch thick.
    - b. Finish: Smooth, No. 4 satin finish on ends and slip-resistant texture in grip area.
    - c. Outside Diameter: 1-1/2 inches.
    - d. Configuration and Length: Straight, 24 inches long.
- J. Grab Bar: TA25
1. Basis-of-Design Product: Bobrick B-6806 x 12
  2. Mounting: Flanges with concealed fasteners.
  3. Material and Finish:
    - a. Material: Stainless steel, 0.05 inch thick.
    - b. Finish: Smooth, No. 4 satin finish on ends and slip-resistant texture in grip area.
    - c. Outside Diameter: 1-1/2 inches.
    - d. Configuration and Length: Straight, 12 inches long.
- K. Robe Hook: TA26
1. Basis-of-Design Product: Bobrick B-6717
  2. Mounting: Surface mounted.
  3. Material and Finish: Stainless steel, No. 4 satin finish.
- L. Sanitary Napkin Disposal Unit, Surface-mount: TA29
1. Basis-of-Design Product: Bobrick B-35139
  2. Mounting: Surface mounted.
  3. Door or Cover: Self-closing disposal opening cover and hinged face panel.
  4. Receptacle: Removable.
  5. Material and Finish: Stainless steel, No. 4 satin finish.

**2.06 PUBLIC USE SHOWER ROOM ACCESSORIES**

- A. Shower Curtain Rod, Extra-Heavy-Duty (straight): TA17

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1. Basis-of-Design Product: Bobrick B-6047x60
  2. Description: 1-1/4 inch OD; fabricated from nominal 0.0375-inch-thick stainless steel.
  3. Mounting Flanges: Stainless-steel flanges designed for exposed fasteners.
  4. Finish: Stainless steel, No. 4 satin finish.
- B. Tub Seat, Folding-Type: TA36
1. Basis-of-Design Product: Bobrick B-518116 x 32
  2. Description: Fold-up, tub seat complete with mounting kits, anchor, and accessories, as required to support 360 lbs. in compliance with accessible design guidelines.
  3. Configuration: Designed for wheelchair access.
  4. Seat: Constructed of polyamide 6 nylon with glossy finish
  5. Mounting Mechanism: Stainless steel, No. 4 satin finish.
  6. Size: 15" x 32"
- C. Shower Soap Dispenser: TA37
1. Basis-of-Design Product: Bobrick B-5050
  2. Mounting: Surface mounted.
  3. Material and Finish: High-impact grey polymer with high gloss finish on exposed surfaces.

**2.07 WARM AIR DRYERS**

- A. Warm Air Dryer: TA50
1. Basis-of-Design Product: Bobrick B-7128-115V
  2. Mounting: Surface mounted.
  3. Operation: Electronic sensor activated with timed power cut-off switch.
    - a. Operation time: 30 to 40 seconds.
    - b. Cover Material and Finish: Stainless steel, No. 4 satin finish.
    - c. Electrical Requirements: 115V, 15A, 1725W.

**2.08 CHILDCARE ACCESSORIES**

- A. Diaper-Changing Station: TA55
1. Basis-of-Design Product: Koala KB310-SSWM
  2. Description: Horizontal unit that opens by folding down from stored position and with child-protection strap.
    - a. Engineered to support a minimum of 250-lb static load when opened.
    - b. Mounting: Surface mounted, with unit projecting not more than 4 inches from wall when closed.
    - c. Operation: By pneumatic shock-absorbing mechanism.
    - d. Material and Finish: Stainless steel, No. 4 satin finish.
    - e. Liner Dispenser: Built in.

**2.09 UNDERLAVATORY GUARDS**

- A. Underlavatory Guard: TA58
1. Basis-of-Design Product: Plumberex Soft Guard Plus
  2. Description: Insulating pipe covering for supply and drain piping assemblies that prevent direct contact with and burns from piping; allow service access without removing coverings.
  3. Material and Finish: Antimicrobial, molded plastic, white.

**2.10 CUSTODIAL ACCESSORIES**

- A. Mop and Broom Holder: TA60
1. Basis-of-Design Product: Bobrick B-224 x 36
  2. Description: Unit with shelf, hooks, holders, and rod suspended beneath shelf.
  3. Length: 36 inches.
  4. Hooks: Three.
  5. Mop/Broom Holders: Four, spring-loaded, rubber hat, cam type.
  6. Material and Finish: Stainless steel, No. 4 satin finish.

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- a. Shelf: Not less than nominal 0.05 inch thick stainless steel.
- b. Rod: Approximately 1/4-inch-diameter stainless steel.

**2.11 MATERIALS**

- A. Stainless Steel: ASTM A 666, Type 304, 0.031-inch (0.8-mm) minimum nominal thickness unless otherwise indicated.
- B. Brass: ASTM B 19, flat products; ASTM B 16/B 16M, rods, shapes, forgings, and flat products with finished edges; or ASTM B 30, castings.
- C. Steel Sheet: ASTM A 1008/A 1008M, Designation CS (cold rolled, commercial steel), 0.036-inch (0.9-mm) minimum nominal thickness.
- D. Galvanized-Steel Sheet: ASTM A 653/A 653M, with G60 (Z180) hot-dip zinc coating.
- E. Galvanized-Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- F. Fasteners: Screws, bolts, and other devices of same material as accessory unit and tamper-and-theft resistant where exposed, and of galvanized steel where concealed.
- G. Chrome Plating: ASTM B 456, Service Condition Number SC 2 (moderate service).
- H. Mirrors: ASTM C 1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick.

**2.12 FABRICATION**

- A. General: Fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with full-length, continuous hinges. Equip units for concealed anchorage and with corrosion-resistant backing plates.
- B. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of \_\_\_\_ keys to Owner's representative.

**PART 3 EXECUTION**

**3.01 INSTALLATION**

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
- B. Grab Bars: Install to withstand a downward load of at least 250 lbf, when tested according to ASTM F 446.

**3.02 ADJUSTING AND CLEANING**

- A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.
- B. Remove temporary labels and protective coatings.
- C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

**END OF SECTION 102800**

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**SECTION 32 3113**  
**CHAINLINK FENCES AND GATES**

**PART 1 GENERAL**

**1.01 RELATED DOCUMENTS:**

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Related work specified elsewhere includes:
  - 1. Section 31 2000 - "Earth Moving"
  - 2. Section 03 3000 - "Cast-in-place Concrete"

**1.02 SUMMARY:**

- A. This Section includes the following:
  - 1. Polyvinyl Chloride (PVC) coated galvanized steel chain link fence, gates and accessories; Typical fencing unless specifically indicated otherwise.
  - 2. Galvanized Steel chain link fence, gates and accessories (only where exposed galvanized finish is specifically indicated - if any).
  - 3. Round heavy-duty PVC coated padlocks for all gates, keyed alike.
  - 4. All gate frames shall be welded construction and include a horizontal center cross-brace, in addition to other requirements.
  - 5. All corner and gate posts shall be cross-braced horizontally at center, to next post, in addition to other requirements.
- B. Installation of each type fencing shall be at locations indicated on the Drawings.

**1.03 SUBMITTALS:**

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
  - 1. Product data in the form of manufacturer's technical data, specifications, and installation instructions for fence and gate posts, fabric, gates, and accessories.
  - 2. Manufacturer's current written instructions and recommendations for grounding and bonding for fencing systems furnished under the Work of this Contract.
- B. Shop Drawings: Show locations of fence, each gate, posts, rails, and tension wires and details of any extended posts, gate swing or other operation, hardware, and accessories. Indicate materials, dimensions, sizes, weights, and finishes of components. Include plans, elevations, sections, gate swing and other required installation and operational clearances, and details of post anchorage and attachment and bracing.
- C. Maintenance Data: For the following to include in maintenance manuals specified in Division 1:
  - 1. Polymer finishes.

**1.04 QUALITY ASSURANCE:**

- A. Single-Source Responsibility: Obtain gates as complete units, and chain link fences, and gates, including necessary erection accessories, fittings, and fastenings from a single source or manufacturer.

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS:**

- A. Manufacturers: Subject to compliance with requirements provide products by one of the following:
  - 1. PVC Coated Galvanized Steel Fencing and Fabric:
    - a. American Fence Corp.
    - b. Anchor Fence, Inc.
    - c. Boundry Fence and Railing Co.
    - d. Colorguard Fence Products, Inc.

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- e. Cyclone Fence Div./USX Corp.
- f. Master-Halco, Inc.
- g. MMI Products, Inc.
- h. Robertson Fence
- i. Security Fence Manufacturing & Supply Co., Inc.
- j. Semmerling Fence & Supply, Inc.
- k. Sonco Fence Manufacturing Co.
- l. Southeastern Wire

**2.02 FABRIC:**

- A. Selvage: All mesh shall be knuckled at bottom and at top.
- B. Steel Fabric: Comply with Chain Link Fence Manufacturers Institute (CLFMI) Product Manual.
  - 1. Size: 2-inch mesh; 9-gage (0.148-inch diameter) wire (prior to galvanizing or PVC coating).
- C. Polyvinyl Chloride (PVC) Finish: Comply with ASTM F668, with core wire diameter (gage) measured prior to application of PVC coating with not less than 0.30 oz. zinc per sq. ft. of uncoated surface on 9 gage wire.
  - 1. General: Class 2a, minimum 0.015-inch, maximum 0.025-inch-thick PVC coating thermally extruded and adhered to zinc-coated steel core wire.
  - 2. Color: ASTM F 934, Black, or equivalent priced color selected by Architect from manufacturer's standard colors.
  - 3. Fence height: 8'-0" exposed height, where indicated on the Drawings.
  - 4. Posts, Rails, Tie Wires, Fittings, and Accessories Finishes: PVC coating similar to and to match fence fabric color.

**2.03 FRAMING:**

- A. Strength requirements for posts and rails conforming to ASTM F 669.
  - 1. Pipe shall be straight, true to section, material, and sizes specified, and shall conform to the following weights per foot:

NPS in Inches:	Outside Diameter (OD) in Inches:	Type I Steel:	Type II Steel:
1	1.315	1.68	1.35
1-3	1.660	2.27	1.84
1-2	1.900	2.72	2.28
2	2.375	3.65	3.12
2-2	2.875	5.79	4.64
3	3.500	7.58	5.71
3-2	4.000	9.11	6.56
4	4.500	10.79	---
6	6.625	18.97	---
8	8.625	28.55	---

- B. Steel Framework - Supplemental Color Coating: (Posts, rails, braces, gate frames, etc.)
  - 1. At locations where typical PVC coated fencing is indicated, and in addition to above metallic coatings, provide posts and rails with manufacturer's standard polymer coating according to ASTM F 1234, 10-mil minimum polyvinyl chloride (PVC) or 3-mil minimum polyester plastic resin finish applied to exterior surfaces and, except to tubular shapes, to exposed interior surfaces. Color to match chain link fabric.
- C. End, corner, and pull posts for following fabric heights:
  - 1. Up to 6 feet (182.88 cm): 2.375-inch OD Type I or II steel pipe.
  - 2. Over 6 feet (182.88 cm): 2.875-inch OD Type I or II steel pipe.

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3. Over 6 feet (182.88 cm) to 13 feet (396.24 cm): 4.00 inch (101.6 mm) OD Type I or II steel pipe.
  4. Over 13 feet (396.24 cm) to 18 feet (548.64 cm): 6.625 inch (168.27 mm) OD Type I steel pipe.
- D. Line or intermediate posts for following fabric heights:
1. Up to 6 feet (182.88 cm): 1.90-inch OD Type I or II steel pipe.
  2. Over 6 feet (182.88 cm): 2.375-inch OD Type I or II steel pipe.
  3. Over 6 feet (182.88 cm) to 13 feet (396.24 cm): 4.00 inch (101.6 mm) OD Type I or II steel pipe.
  4. Over 13 feet (396.24 cm) to 18 feet (548.64 cm): 6.625 inch (168.27 mm) OD Type I steel pipe.
- E. Gate Posts: Furnish posts for supporting single gate leaf, or one leaf of a double gate installation, for nominal gate widths as follows:
1. Up to 6 feet (182.88 cm): 2.875-inch OD Type I or II steel pipe.
  2. Over 6 feet (182.88 cm) to 13 feet (396.24 cm): 4.00-inch OD Type I or II steel pipe.
  3. Over 13 feet (396.24 cm) to 18 feet (548.64 cm): 6.625-inch OD Type I steel pipe.
- F. Top Rail: Manufacturer's longest lengths, with expansion-type couplings, approximately 6 inches (152.4 mm) long, for each joint. Provide means for attaching top rail securely to each gate corner, pull, and end post. Top rail for following fabric heights:
1. Up to 4'-0" In Height: 1-inch NPS (1.315-inch OD) Type I or II steel pipe.
  2. 5'-0" In Height and Higher: 1-3-inch NPS (1.66-inch OD) Type I or II steel pipe.

**2.04 FITTINGS AND ACCESSORIES:**

- A. Material: Comply with ASTM F 626. Mill-finished aluminum or galvanized iron or steel, to suit manufacturer's standards. Add PVC coating (10-mil minimum) at locations where PVC coated fencing is indicated.
1. Zinc Coating: Unless specified otherwise, galvanize steel fence fittings and accessories in accordance with ASTM A 153, with zinc weights per Table I, and prior to any PVC coating.
- B. Bottom Tension Wire: 0.177-inch-diameter metallic-coated steel marcelled tension wire conforming to ASTM A 824 with finish to match fabric, and of one of the following:
1. Type I Aluminum Coated with minimum coating weight of 0.40 oz. per sq. ft. of uncoated wire surface, as determined by ASTM A 428.
  2. Type II Zinc Coated, Class 2, with a minimum coating weight of 1.20 oz. per sq. ft. of uncoated wire surface, as determined by ASTM A 90.
- C. Tie Wires: 12-gage (0.106-inch diameter) galvanized steel with a minimum of 0.80 oz. per square feet of zinc coating of surface area in accordance with ASTM A 641, Class 3, or 9-gage (0.148-inch-diameter) aluminum wire alloy 1350-H19 or equivalent, to match fabric core material, and prior to PVC finish at locations where PVC coated fencing is indicated.
- D. Post Brace Assembly: Manufacturer's standard adjustable brace at end and gate posts and at both sides of corner and pull posts, with horizontal brace located at midheight of fabric. Use same material as top rail for brace, and truss to line posts with 3/8-inch diameter rod and adjustable tightener. Provide manufacturers standard galvanized steel or cast iron or cast aluminum cap for each end, with PVC coating similar to and in color to match fence fabric.
- E. Center Rail: Same material as top rail. Provide manufacturer's standard galvanized steel or cast iron or cast aluminum cap for each end, and with PVC coating similar to and in color to match fence fabric at locations where PVC coated fencing is indicated.
- F. Post and Line Caps: Provide weathertight closure cap for each post. Provide line post caps to receive top rail; Typical PVC finish at locations where PVC coated fencing is indicated.
- G. Tension or Stretcher Bars: Hot-dip galvanized steel with minimum length 2 inches (50.8 mm) less than full height of fabric, minimum cross-section of 3/16 inch (4.76 mm) by 3/4 inch (19.05 mm) and minimum 1.2 oz. zinc coating per sq. ft. of surface area. Provide one bar for each gate

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and end post, and two for each corner and pull post, except where fabric is integrally woven into post; plus typical PVC finish at locations where PVC coated fencing is indicated.

- H. Tension and Brace Bands: Minimum 3/4-inch-wide hot-dip galvanized steel with minimum 1.2 oz. zinc coating per sq. ft. of surface area.
1. Tension Bands: Minimum 14-gage (0.074-inch) thick.
  2. Tension and Brace Bands: Minimum 12-gage (0.105-inch) thick.
  3. Plus typical PVC finish at locations where PVC coated fencing is indicated.

**2.05 GATES:**

- A. Fabrication: Fabricate perimeter frames of gates from metal and finish to match fence framework. Assemble gate frames by welding. Provide horizontal and vertical members to ensure proper gate operation and attachment of fabric, hardware, and accessories. Space frame members maximum of 8 feet (243.84 cm) apart unless otherwise indicated.
1. Provide same fabric as for fence unless otherwise indicated. Install fabric with tension bars and bands at vertical edges and at top and bottom edges.
  2. Install diagonal cross-bracing consisting of 3/8-inch-diameter adjustable-length truss rods on gates to ensure frame rigidity without sag or twist.
  3. Provide typical PVC finish in addition to other requirements, for gates, hardware and accessories, at locations where PVC coated fencing is indicated.
- B. Swing Gates: Comply with ASTM F 900.
1. Up to 6 feet (182.88 cm) High and 8 feet (243.84 cm) Wide: Fabricate perimeter frames of minimum 1.660-inch OD Type I or II steel pipe or 1.50-inch square galvanized steel tubing weighing 1.90 lb per sq. ft.
  2. Over to 6 feet (182.88 cm) High and 8 Feet Wide: Fabricate perimeter frames of minimum 1.90-inch OD Type I or II steel pipe or 2.00-inch square galvanized steel tubing weighing 2.60 lb per square feet.
- C. Gate Hardware: Provide hardware and accessories for each gate, galvanized per ASTM A 153 and in accordance with the following:
1. Hinges: Size and material to suit gate size, non-lift-off type, offset to permit 180-deg gate opening. Provide 1-1/2 pair of hinges for each leaf over 6-foot nominal height.
  2. Latch: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as integral part of latch. Latch must be self-closing type, hardware to be stainless steel outdoor rated.
  3. Gate Stops: Provide gate stops for double gates, consisting of mushroom-type flush plate with anchors, set in concrete, and designed to engage center drop rod or plunger bar. Include locking device and padlock eyes as integral part of latch, permitting both gate leaves to be locked with single padlock.
- D. Provide heavy-duty PVC coated round padlocks, keyed-alike, for all new gates required. Provide one set of keys to the Owner and keep at least one set in the Contractor's job office, also to be delivered to Owner upon "Final Acceptance." Obtain a signed receipt for all keys delivered.

**2.06 CONCRETE:**

- A. Provide one of the following:
1. Concrete: Provide concrete consisting of portland cement per ASTM C 150, aggregates per ASTM C 33, and potable water. Mix materials to obtain concrete with a minimum 28-day compressive strength of 3,000 psi (20684.28 kPa). Use at least four sacks of cement per cubic yard, 1-inch maximum size aggregate, and 5-inch maximum slump.
  2. Packaged Concrete Mix: Mix dry-packaged normal-weight concrete 3,000 psi (20684.28 kPa), conforming to ASTM C 387, with clean water, to obtain a 3- to 4-inch slump.

**2.07 FENCING GROUNDING:**

- A. Conductors: Bare, solid wire for No. 6 AWG and smaller; stranded wire for No. 4 AWG and larger.

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- B. Material Above Finished Grade: Copper.
- C. Material On or Below Finished Grade: Copper.
- D. Bonding Jumpers: Braided copper tape, 1 inch (25.4 mm) wide, woven of No. 30 AWG bare copper wire, terminated with copper ferrules.
- E. Connectors and Ground Rods: Listed in UL 467.
- F. Ground Rods: Copper-clad steel.
  - 1. Size: 5/8 inch by 96 inches (16 by 2400 mm).

**PART 3 - EXECUTION**

**3.01 INSTALLATION:**

- A. General: Install fence in compliance with ASTM F567. Do not begin installation and erection before final grading is completed, unless otherwise permitted.
  - 1. In addition, comply referenced standards, manufacturer's current written instructions and recommendations, and with reviewed and accepted submittals and Shop Drawings.
- B. Excavation: Drill or hand-excavate (using post-hole digger) holes for posts to diameters and spacings indicated, in firm, undisturbed or compacted soil.
  - 1. If not indicated on drawings, excavate holes for each post to minimum diameter recommended by fence manufacturer, but not less than 4 times largest cross-section of post.
  - 2. Unless otherwise indicated, excavate hole depths approximately 3 inches (76.2 mm) lower than post bottom, with bottom of posts set not less than 36 inches (914.4 mm) below finish grade surface.
  - 3. Setting Posts: Center and align posts in holes 3 inches (76.2 mm) above bottom of excavation. Space maximum 10 feet (304.8 cm) o.c., unless otherwise indicated.
  - 4. Protect portion of posts above ground from concrete splatter. Place concrete around posts and vibrate or tamp for consolidation. check each post for vertical and top alignment, and hold in position during placement and finishing operations.
    - a. Unless otherwise indicated, extend concrete footings 2 inches (50.8 mm) below grade and trowel to a crown to shed water.
- C. Top Rails: Run rail continuously through line post caps, bending to radius for curved runs and at other posts terminating into rail end attached to posts or post caps fabricated to receive rail. Provide expansion couplings as recommended by fencing manufacturer.
- D. Center Rails: Provide center rails only where indicated. Install in one piece between posts and flush with post on fabric side, using rail ends and special offset fittings where necessary.
- E. Brace Assemblies: Install braces so posts are plumb when diagonal rod is under proper tension.
- F. Bottom Tension Wire: Install tension wire within 6 inches (152.4 mm) of bottom of fabric before stretching fabric and tie to each post with not less than same gage and type of wire. Pull wire taut, without sags. Fasten fabric to tension wire with 11-gage hog rings of same material and finish as fabric wire, spaced maximum 24 inches (609.6 mm) o.c.
- G. Fabric: Leave approximately 2 inches (50.8 mm) between finish grade and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Install fabric on security side of fence, and anchor to framework so that fabric remains in tension after pulling force is released.
- H. Tension or Stretcher Bars: Thread through or clamp to fabric 4 inches (101.6 mm) o.c., and secure to end, corner, pull, and gate posts with tension bands spaced not over 15 inches (381 mm) o.c.
- I. Tie Wires: Use U-shaped wire of proper length to secure fabric firmly to posts and rails with ends twisted at least 2 full turns. Bend ends of wire to minimize hazard to persons or clothing.
  - 1. Maximum Spacing: Tie fabric to line posts 12 inches (304.8 mm) o.c. and to rails and braces 24 inches (609.6 mm) o.c.

**HOUSTON COUNTY DEPARTMENT OF HUMAN RESOURCES    DOTHAN, ALABAMA**  
**HOUSTON COUNTY PUBLIC BUILDING AUTHORITY**

- J. Fasteners: Install nuts for tension bands and hardware bolts on side of fence opposite fabric side. Peen ends of bolts or score threads to prevent removal of nuts.
- K. Gates: Install gates plumb, level, and secure for full opening without interference. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.
- L. Finishes: Restore galvanized and PVC or paint finishes damaged by gate fabrication or other cause, back to original quality, or if not restorable, replace with new material.

**3.02 GROUNDING AND BONDING:**

- A. Fence Grounding: Install at maximum intervals of 500 feet (15240 cm), except as follows:
  - 1. Fences within 100 Feet 32.81 yard (30 meter) of Buildings, Structures, Walkways, and Roadways: Ground at maximum intervals of 250 feet (7620 cm).
    - a. Gates and Other Fence Openings: Ground fence on each side of opening.
      - 1) Bond metal gates to gate posts.
      - 2) Bond across openings, with and without gates, except openings indicated as intentional fence discontinuities. Use No. 2 AWG wire and bury it at least 18 inches (457.2 mm) below finished grade.
- B. Protection at Crossings of Overhead Electrical Power Lines: Ground fence at location of crossing and at a maximum distance of 150 feet (4572 cm) on each side of crossing.
- C. Fences Enclosing Electrical Power Distribution Equipment: Ground as required by IEEE C2, unless otherwise indicated.
- D. Grounding Method: At each grounding location, drive a ground rod vertically until the top is 6 inches (152.4 mm) below finished grade. Connect rod to fence with No. 6 AWG conductor. Connect conductor to each fence component at the grounding location, including the following:
- E. Bonding Method for Gates: Connect bonding jumper between gate post and gate frame.
- F. Connections: Make connections so possibility of galvanic action or electrolysis is minimized. Select connectors, connection hardware, conductors, and connection methods so metals in direct contact will be galvanically compatible.
  - 1. Use electroplated or hot-tin-coated materials to ensure high conductivity and to make contact points closer in order of galvanic series.
  - 2. Make connections with clean, bare metal at points of contact.
  - 3. Make aluminum-to-steel connections with stainless-steel separators and mechanical clamps.
  - 4. Make aluminum-to-galvanized-steel connections with tin-plated copper jumpers and mechanical clamps.
  - 5. Coat and seal connections having dissimilar metals with inert material to prevent future penetration of moisture to contact surfaces.
- G. Desired Maximum Grounding Resistance Value: 25 ohms.

**3.03 ADJUSTING:**

- A. Gate: Adjust gate to operate smoothly, easily, and quietly, free from binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Lubricate hardware, gates, and other moving parts.

**3.04 MAINTENANCE:**

- A. Demonstration:
  - 1. Test and adjust safety devices, hardware, and other operable components. Replace damaged or malfunctioning operable components.
  - 2. Train Owner's personnel on procedures and schedules for troubleshooting, servicing, and maintaining equipment.

**HOUSTON COUNTY DEPARTMENT OF HUMAN RESOURCES    DOTHAN, ALABAMA**  
**HOUSTON COUNTY PUBLIC BUILDING AUTHORITY**

- 3. Review data in maintenance manuals. Refer to Division 1 Section "Project Closeout."
- 4. Schedule training with Owner, with at least seven days' advance notice.
- B. Repair or replace all damaged fencing, gates, and/or components as damage occurs.
- C. Replace all bent posts.
- D. Replace any top rail which becomes more than just slightly bowed, defined as 3/8-inch or more in 10'-0".

**3.05 CLOSE-OUT:**

- A. Re-check and repair any portion of fencing work which is damaged or missing, just prior to "Final Acceptance."

**END OF SECTION**

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**SECTION 32 3119.23**  
**DUMPSTER GATES**

**PART 1 - GENERAL**

**1.01 SECTION INCLUDES**

- A. Aluminum gates fabricated from extruded aluminum sections, including posts.

**1.02 RELATED REQUIREMENTS**

- A. Drawings and general provision of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section 03 3100 - Concrete.
- C. Section 04 2000 - Unit Masonry.

**1.03 REFERENCE STANDARDS**

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2022.
- B. ASTM B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus; 2026.
- C. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.
- D. ASTM D822/D822M - Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings; 2013 (Reapproved 2018).
- E. ASTM D2794 - Standard Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact); 1993 (Reapproved 2024).
- F. ASTM D3363 - Standard Test Method for Film Hardness by Pencil Test; 2022.
- G. ASTM A276 - Standard Specification for Stainless Steel Bars and Shapes; 2013a.
- H. ASTM B 209 - Aluminum and Aluminum-Alloy Sheet and Plate.

**1.04 SUBMITTALS**

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Shop Drawings:
  - 1. Indicate plan layout, spacing of components, post foundation dimensions, hardware anchorage, gates, and schedule of components.
- D. Installer's Qualification Statement.
- E. Manufacturer's Warranty.

**1.05 QUALITY ASSURANCE**

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years documented experience.
- B. Installer Qualifications: Experienced with type of construction involved and materials and techniques specified.

**1.06 DELIVERY, STORAGE AND HANDLING**

- A. Store materials in a manner to ensure proper ventilation and drainage. Protect against damage, weather, vandalism and theft.

**1.07 WARRANTY**

- A. Finish: 10 years warranty for factory finish against cracking, peeling, and blistering.

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS**

- A. Dumpster Gates:
  - 1. Covrit Gates and Screening System by CityScapes International Inc.:  
www.cityscapesinc.com.
  - 2. Tennessee Valley Metals: www.tvm.com..
  - 3. Substitutions: See Section 01 6000 - Product Requirements.

**2.02 ALUMINUM GATE**

- A. Posts: Extruded aluminum tubular shapes, 6x6-inch, unless detailed otherwise.
- B. Rails and Frame: Welded aluminum extrusions; 2 inches (50.8 mm) by 3 inches (76.2 mm). Full perimeter.
- C. Slats: Tongue and groove extruded aluminum, 0.938" x 6" unless indicated otherwise.
- D. Size: See drawings.
- E. Configuration: See drawings.
- F. Operation: See drawings.
- G. Accessories: Aluminum castings, extrusions and cold-formed strips; factory finished to match fence.
  - 1. Fasteners: Stainless steel bolts of size, and spacing recommended by fence manufacturer for specific conditions.
  - 2. End caps: Provide aluminum caps for exposed open extruded aluminum sections and for attachment of components to posts.
  - 3. Rollers on gates: 6" rollers unless indicated otherwise.
  - 4. Cane bolts for securing to slab: Drop bar latch - both doors. Galvanized pipe - for open and closed position.
  - 5. Hinges: Mark V gate hinge, or as recommended by manufacturer.
  - 6. Strike and latch for padlock.
- H. Factory Finish:
  - 1. Aluminum fence panels and posts shall receive high performance polyester powder coating (1-1000 series AAMA 2605-11).
  - 2. Color: As selected by Architect from manufacturer's full range of colors.

**2.03 MATERIALS**

- A. Aluminum: ASTM B221.
  - 1. Tubular Pickets, Rails and Posts: 6005-T5 alloy.
  - 2. Extrusions for Posts and Rails (Outer Channel): 6005-T5 alloy.
  - 3. Extrusions for Pickets and Rail (Inner Slide Channels): 6063-T5 alloy.
  - 4. Extruded aluminum: ASTM B221, Alloy 6063, Temper T-6.
  - 5. Sheet aluminum: ASTM B209 6063, Temper T-6.
- B. Fasteners: ASTM A276, Type 302 stainless steel; finished to match fence components.

**PART 3 - EXECUTION**

**3.01 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

**3.02 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.

**3.03 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Set fence posts in accordance with the manufacturer recommended spacing.
  - 1. Install fence posts plumb and level. Temporarily brace posts with supports until concrete is set.
- C. Do not install bent, bowed, or otherwise damaged components.
- D. Gates:
  - 1. Install gates and adjust hardware for smooth operation.
  - 2. Provide concrete center foundation depth and drop rod retainers at center of double swinging gate openings, and at fully open position.
  - 3. After installation, test and adjust gate and operator to achieve smooth, unbinding operation.

**3.04 ERECTION TOLERANCES**

- A. Maximum Variation From Plumb: 1/4 inch (6.35 mm).
- B. Maximum Offset From Indicated Position: 1 inch (25.4 mm).
- C. Minimum distance from property line: 6 inches (152.4 mm)..

**3.05 CLEANING**

- A. Clean jobsite of excess materials; scatter excess material from post hole excavations uniformly away from posts. Remove excess material if required.
- B. Clean fence with mild household detergent and clean water rinse well. .
- C. Remove mortar from exposed posts and other fencing material using a 10 percent solution of muriatic acid followed immediately by several rinses with clean water.

**3.06 PROTECTION**

- A. Protect installed products until completion of project.
- B. Touch-up, repair, or replace damaged products before Substantial Completion.

**END OF SECTION**

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**SUBSTITUTION REQUEST**

Project: Houston County Department of Human Resources – Dothan, Alabama

Substitution Request Number: PG-01

From: KorKat

To: Goodwyn Mills Cawood, LLC.  
Date: 5/12/26

Attn: \_\_\_\_\_  
A/E Project No.:  
ABHM250019

Re: Substitution Request  
Contract For:  
Houston County Public Building Authority

Specification Title: Site Furnishings  
Description:  
Playground

Section: 32 3300  
Page and Paragraph:  
Sheet L5.01 — "PLAYGROUND TO BE FROM STRUTHER'S RECREATION AS  
BASIS OF DESIGN"

Proposed Substitution: Kensington Playground

Trade Name: PS3-72163

Manufacturer: Superior Playgrounds  
Model No.: PS3-72163

Mfg. Address City, State, zip: Carrollton, GA 30117  
Phone: 866-547-4281

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted By: Lorie Teal

Signed by: 

Firm: KorKat =Address: 221 Cable Industrial Way Carrollton, GA 30117

Telephone:  
email:

256-640-9562  
loriet@korkat.com

E-

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A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specifications, Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specifications Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by:

Date:

---

Supporting Data Attached:  Drawings  Product Data  Samples  Tests  Reports

Equipment is acceptable for substitution of main play structure, but Duo Chimes and Harmonic Chimes still need to be included.

REFERENCE NUMBER  
PS3-72163

3.5" STEEL STRUCTURE DESIGN

EQUIPMENT SIZE	USE ZONE
13 X 22	25 X 34

AGE GROUP	SURFACE AREA
2-12	645 S.F.

USER CAPACITY	4' TIMBER COUNT
30-35	26 BORDERS

FALL HEIGHT  
4' FALL HEIGHT

ADA ACCESSIBILITY

ELEVATED  
PLAY ACTIVITIES  
6

	GROUND LEVEL ACCESSIBLE PLAY ACTIVITIES	GROUND LEVEL ACCESSIBLE ACTIVITY TYPES
REQUIRED	2	2
PROVIDED	3	3

THIS STRUCTURE MEETS OR EXCEEDS CPSC #325 AND ASTM F1487 UNLESS OTHERWISE NOTED.

DATE	DRAWN/SAVED BY
5-3-23	WSB / WILLOW.BRANSCUM

SCALE	SHEET
1/4" = 1'-0"	1 OF 3

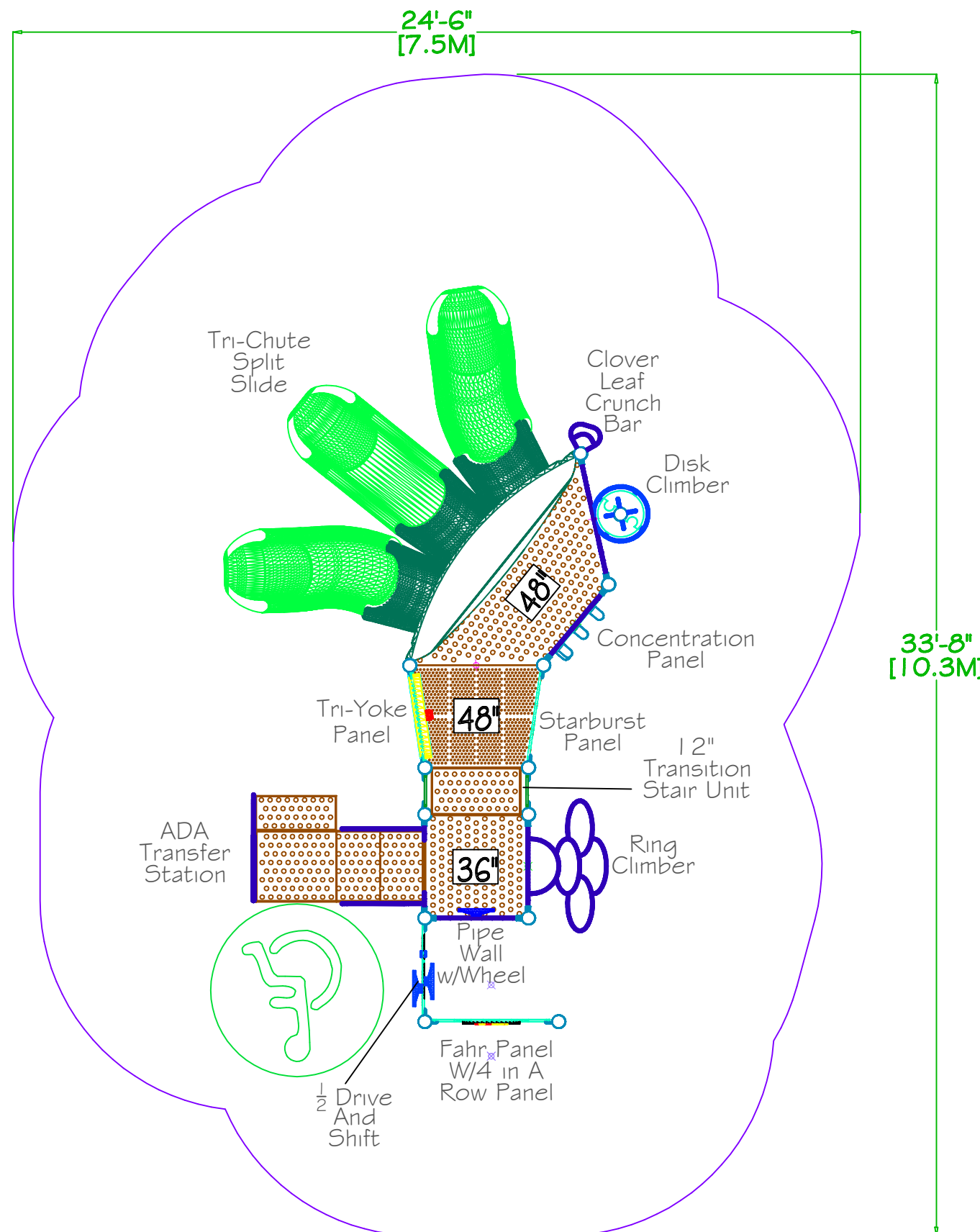
PAGE

PLAN\_VIEW

WE RECOMMEND THIS PLAN BE PRINTED ON 11" x 17" PAPER

PLAYGROUND SUPERVISION IS REQUIRED.

THIS DESIGN IS THE PROPERTY OF SUPERIOR RECREATIONAL PRODUCTS AND MAY NOT BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE EXPRESSED WRITTEN CONSENT OF SUPERIOR RECREATIONAL PRODUCTS.



This Certificate of Registration acknowledges

# **Superior Recreational Products**

## **Division of Playcore**

150 PlayCore Drive SE  
Fort Payne, Alabama, 35967  
United States

is registered as a Site quality management system in conformance with

### **ISO 9001:2015**

## **Scope of Registration:**

Manufacture and supply of park and playground equipment.



**Edward Maschmeier**  
Vice President of PRI Certification

Number: 025290  
Initial Reg Date: 23-Feb-2026  
Issued: 23-Feb-2026  
Expires: 22-Feb-2029



March 26, 2026

To whom it may concern,

Superior Recreational Products (SRP) and Grounds for Play (GFP) Products are designed and manufactured to meet or exceed the requirements of ASTM F1487 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use, as well as the CSA Z614 National Standard of Canada: Children's Playground Equipment and Surfacing. These consumer safety performance specifications provide safety and performance standards for various types of public playground equipment. Its purpose is to reduce life threatening and debilitating injuries.

We also adhere to recommendations and guidelines set forth by the U.S. Consumer Product Safety Commission and U.S. Department of Justice Americans with Disabilities Act regarding Public Playground Safety and Accessibility.

SRP is a member of the International Play Equipment Manufacturers Association (IPEMA) and maintains an IPEMA certified product testing program. A list of certified products can be found at <https://ipema.org/certified-product/> select manufacturer Superior Recreational Products or Grounds for Play.

If you need any more information concerning the SRP family of products, feel free to contact us at the number below.

Sincerely,

*Chris Purves*

Chris Purves  
Engineering/IPEMA Testing Coordinator  
CPSI

**SUPERIOR RECREATIONAL PRODUCTS**  
1050 COLUMBIA DRIVE  
CARROLLTON, GA 30117  
TOLL FREE: 800-327-8774  
LOCAL: 770-832-6660  
FAX: 770-832-6687  
[www.buysii.com](http://www.buysii.com)

# Superior Playgrounds

## We're Getting Your Community Ready to Play

We provide play environments for communities big and small. Our line delivers classic equipment and unique designs to solve your biggest need: an on-budget playground that serves the unique needs your community.

### Our Top Features and Benefits



Proudly **made in the USA**



Industry's favorite **themed playgrounds**



**Matching color options** to shade, shelter, and amenities



**Long-lasting and durable** playgrounds



Collection of **quick ship** playground options



Opportunities to support **inclusive play**

### Playgrounds Made with Certified Manufacturing Techniques

#### ISO 14001 Certified

This certification, also known as the "Green Certification," specifies the requirements of an organization having an Environmental Management System (EMS), which means we control the environmental impact our products and processes have on the environment.

#### ISO 9001 Certified

Our ISO 9001 certification means that we have implemented a quality management system that allows us to provide consistent quality no matter what we're making for you.

#### PCI 4000 Certified

The PCI 4000 certification means that our powder coating manufacturing techniques have passed an extensive audit program, including evaluation of our processes and procedures, quality control, and more.

### Making it Easy to Buy

We've teamed with strategic partners to ensure you have it easy when going to buy your next playground.



### Backed By A Leader

We're backed by a leader in the recreation industry.



# Color Options

## Metal Colors

Gloss



Matte or Metallic



## Plastic Colors



## Activity Panel & Panel Colors

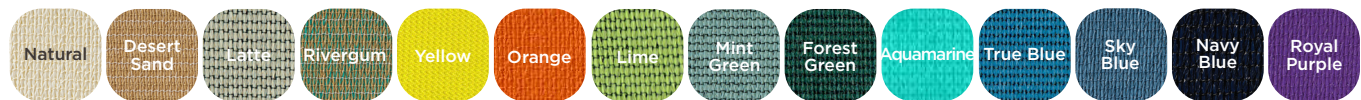
Solid Core



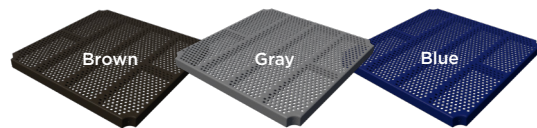
Sandwich Core



## Shade Colors | More Available!



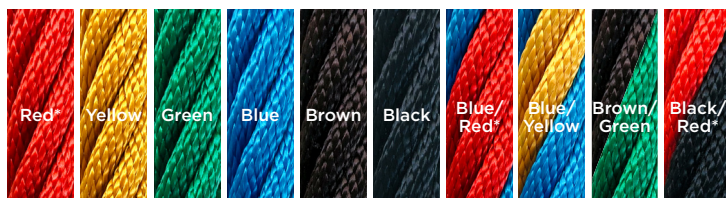
## Steel Deck Colors



## Recycled Deck & Post



## Ascend Rope Colors



## Belt Seat Colors



\*Red rope fades naturally under prolonged sunlight.

# Our Leading Warranty

Our warranty guarantees years of unlimited fun. View our full warranty by visiting us online at [srpplayground.com/warranty](http://srpplayground.com/warranty).

Superior Recreational Products (SRP) warrants that its product will be free from defects in materials and workmanship as well as maintain structural integrity for the periods listed below from the date of invoice and once SRP has been paid in full. This warranty is in effect only if the product has been assembled and installed strictly in accordance with the setup instructions provided by SRP, good construction practices, and has been subjected only to normal use and exposure.

- Lifetime\* Warranty on playground steel and recycled posts, all stainless steel hardware, c-line fittings, and aluminum post caps
- 20-Year Limited Warranty on steel Shade structures
- 15-Year Limited Warranty on playground pipes, rungs, loops and rails, roto-molded plastics, HDPE plastic sheets, punched steel decks, and recycled decks
- 10-Year Limited Warranty on shade fabric and Ascend Rope Climber cable breakage
- 5-Year Limited Warranty on powder coat and climber nets and cables
- 3-Year Limited Warranty on electronic play and Ascend Rope Climber flexible rubber belting
- 1-Year Limited warranty on moving parts, Shade cable, and materials not covered above

## Limited Warranty: Structural Steel

SRP offers a \*Lifetime Limited Warranty on structural steel frames against failure due to rust-through corrosion under normal environmental conditions. Should the parts need to be replaced under the warranty, SRP will manufacture and ship new replacement parts at no charge for the first ten years, thereafter pro-rated at 50% for the second ten years and 25% from there on. Workmanship is warranted for a period of five years. This steel warranty shall be void if damage to the steel is caused by the installer or from physical damage, damage by salt spray or sprinkler systems, contact with chemicals, chlorine, pollution, misuse, vandalism, or any act of God.

## Limited Warranty: Powder Coat

Superior Recreational Products offers a 5-year Limited Warranty for standard powder coating and a 7-Year Limited Warranty for Corrosion Defense Package powder coating to the original purchaser. This Limited Warranty is for factory applied finish only. Damage occurring from shipping, erection, vandalism, accidents, or field modification is not covered in this limited warranty and will require field touch-up immediately and periodically thereafter. The owner must report any defect in powder coat at the time the installation is completed. Not covered by this Limited Warranty are acute angles, welds, and end plates.

The Limited Warranty for powder coating provides the following after a 5-year exposure period when applied according to the recommendations listed on the product's technical data sheet and appropriate surface preparation has been utilized.

- The coatings shall retain their original color with a  $\Delta E$  of  $<7.5$  units for high chroma colors (yellows, reds, oranges, etc.) and a  $\Delta E$  of  $<5.0$  units for low chroma colors, when tested in accordance with ASTM D 2244.
- The coating shall retain a minimum of 50% of its original gloss level after washing, when tested in accordance with ASTM D 523.
- The coating shall exhibit chalking no worse than numerical rating of 6, when evaluated in accordance with ASTM D 659-80.

## Stainless Steel Series (Powered by Playdale Playgrounds)

Playdale Playgrounds warrants its products to the original customer to be free from structural failure due to defect in materials or workmanship during normal use and installation in accordance with the published specifications. The warranty shall commence on the date of the invoice and terminate at the end of the period on the full warranty statement. The warranty is valid only if the products are installed properly and in conformance of the specifications, installation guides, Playdale Playgrounds design layout, and properly maintained in accordance with the maintenance schedule provided within the installation instructions. Playdale Playgrounds reserves the right to accept or reject any claim in whole or in part. Playdale Playgrounds will not accept the return of any product without prior approval by Playdale management.

## Electronic Play

SRP guarantees the speakers, sound chips, and circuit boards used in the production of their electronic play products for 3 years, against electronic failure caused by manufacturing defects. This guarantee does not include failure as a result of any form of misuse, vandalism or neglect including, but not limited to accidental damage while changing the batteries or servicing the internal electronics, a failure to follow the battery replacement guide, the troubleshooting guide or the care and maintenance instructions for the electronics units.

## Pricing, Cancellation, Return, and Shipping Policies

All prices are F.O.B. factor and do not include freight, installation, shipping and handling, surfacing, or applicable taxes. All prices listed were current at the time of printing and in U.S. currency. Prices are subject to change without notice. To view our return policy, please visit [superiorrecreationalproducts.com/returns](http://superiorrecreationalproducts.com/returns). For information on Return Material Authorizations please call 1.800.327.8774. To view our shipping policy, please visit [superiorrecreationalproducts.com/shipping](http://superiorrecreationalproducts.com/shipping). For any further information, please call 1.800.327.8774.

*\*For the purpose of this warranty, lifetime encompasses no specific term of years, but rather that seller warrants to its original customer for as long as the original customer owns the product and uses the product for its intended purpose that the product and all parts will be free from defects in materials and manufacturing workmanship. This warranty does not cover damage caused by vandalism, misuse or abuse, altered or modified parts, or cosmetic damage such as scratches, dents, or fading or weathering and normal wear and tear. This warranty is valid only if the structures are installed in conformity with instructions provided by Superior Recreational Products using approved Superior Recreational Products parts. Superior Recreational Products will deliver the repaired or replacement part or parts to the site free of charge, but will not be responsible for labor or the labor costs of replacement. Warranty claims must be filed within the applicable warranty period and accompanied by a sales order or invoice number.*

# Playground General Product Specifications

At Superior Recreational Products, we use only quality playground materials. Our playgrounds are proudly made in the USA so you can trust our playgrounds are built to last and will provide fun for years to come.



## Steel Posts and Tubing

We use galvanized steel for all steel posts and tubing for maximum strength and durability. Both the interior and exterior of all of our galvanized steel parts have been through the Triple Flo-Coat® process to ensure greater corrosion resistance. All galvanized steel posts and tubing are 95%-98% recyclable. Our posts are available in two different size options to meet your design and budget needs.

## Playground Series

### 3.5" Commercial Playground Series

- 3.5" O.D. vertical posts
- 36" deck grid and 46.5" deck grid
- 24" diameter plastic and 30" diameter plastic

### 5" Commercial Playground Series

- 5" O.D. vertical posts
- 48" deck grid
- 30" diameter plastic

## Posts & Tubing

### Vertical Posts

- 13 gauge galvanized steel (3.5" Series)
- 11 gauge galvanized steel (5" Series)
- 11 gauge galvanized steel (shade verticals)
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)
- Interior and exterior Triple Flo-Coated corrosion protection (ASTM B-117)
- Contains a minimum of 30% recycled steel and is between 95%-98% recyclable
- Manufactured per ASTM A500

### Tubing

- Contains a minimum of 30% recycled steel and is between 95%-98% recyclable
- Interior and exterior Triple Flo-Coated corrosion protection (ASTM B-117)
- Manufactured per ASTM A500
- 50,000 PSI yield strength (ASTM E-8)
- 55,000 PSI tensile strength (ASTM E-8)

Overall Diameter	Tubing Shape	Material
1.25"	Round	14 gauge galvanized steel
1.66"	Round	13 gauge galvanized steel
1.90"	Round	11 gauge galvanized steel
2.375"	Round	3 gauge galvanized steel/9 gauge steel (bi-pod/tri-pod top bar/fitness frame)
3.5"	Round	13 gauge galvanized steel (3.5" Series)
4"	Square	11 gauge galvanized steel
5"	Round	11 gauge galvanized steel (5" Series)



## Recycled Plastic Posts

Our 100% recycled (excluding additives and colorants) HDPE posts are made from both pre-consumer and post-consumer plastic, like milk jugs and detergent bottles! Every pound of our recycled plastic lumber equates to 8 recycled milk containers. Neat, right? We ensure our recycled posts are reinforced for even greater strength by adding additional fiberglass elements to each post. Our posts are vandal resistant and protected from rotting, splitting, cracking or splinters for a minimum of 50 years. Additionally the posts have minimal fading and are resistant to termites, marine borers, salt spray, oil and fungus.

- 6"x6" dimensions for vertical posts
- Made of HDPE
- Molded in one piece
- UV additives to prevent deterioration from UV light
- Made of 100% recycled material (post-industrial and post-consumer) excluding additives and colorants
- Will not rot, split, crack or splinter for a minimum of 50 years
- Resistant to termites, marine borers, salt spray, oil, and fungus



## Textured High Density Polyethylene (HDPE) Panels

All solid plastic panels are manufactured from high-density polyethylene. All solid plastic panels shall meet or exceed the following specifications: Density (ASTM D- 1505); Brittleness Temperature (ASTM D-746); Tensile Values (ASTM D-638); Flexural Modulus (ASTM D-790).

- 0.75" high density polyethylene sheeting (HDPE)
- Tested in accordance with ASTM D1928 Procedure C
- Density per ASTM D1505
- Melt Index per ASTM D1238
- Tensile Strength and Ultimate Elongation per ASTM D638 Type 4
- Brittleness temperature per ASTM D746
- Flexural modulus per ASTM D790
- Coefficient of linear thermal expansion per ASTM E831
- Textured, matte finish
- UV stabilized
- UL 94 HB fire rating
- Stain and graffiti resistant and will not delaminate, splinter, or crack



### Rotatorially-Molded Plastics

Our rotatorially-molded plastics, such as those used for slides and tubes, are made of ¼" thick low density polyethylene (LDPE). Not only are our rotatorially-molded plastics UV stabilized for reduced fading, they also contain anti-static inhibitors.

#### General Properties

- Material: Low-Density Polyethylene (LDPE)
- Wall Thickness: 0.250" (¼")
- Tensile Strength: 2,550 PSI (ASTM D638)
- Classifications: ASTM D-1248, Type 2, Class A and Federal Specification LP-390C, Type 1, Class M, Grade 2, Category 3
- Features: UV Stabilizers and Anti-Static Inhibitors

#### Meet or Exceed the Following Specifications:

- Density (ASTM D1505)
- Flexural Modulus (ASTM D790)
- Deflection Temperature Under Load (ASTM D648)
- Brittleness Temperature (ASTM D746)
- Tensile Properties (ASTM D638)
- Low Temperature Impact Test (ARM-STD)



### Powder Coat

Our powder coating is electrostatically applied from a custom formula of TGIC polyester powder. All components will be free of sharp edges and excess weld spatter and will be cleaned in a six stage bath system with an iron phosphate wash, as a rust inhibitor, and a sealer to prevent flash rusting before coating. This coating has a super tough finish with maximum exterior durability and has superior adhesion characteristics.

#### General Properties

- Mil Thickness: 3.0-5.0
- Oven Cured: 375°- 425° Fahrenheit
- Oven-Bake Stability: 100% at 400° Fahrenheit
- Fadometer Test: 300 Hours with No Loss of Gloss

#### Meet or Exceed the Following Specifications:

- Film Hardness (ASTM D3363)
- Impact Test (ASTM D2794-69)
- Bend Test (ASTM D522-68)
- Adhesion (ASTM D3359, ASTM D2197)
- Stain Resistance (ASTM D1308)
- Water Resistance/Humidity (D2247-87)
- Salt Spray (ASTM B117)



### Stainless Steel Hardware

All nuts, bolts, and washers, with a few exceptions, are stainless steel in varying lengths. Our hardware is vandal resistant; thus, we supply a special tool with each shipment for installation.

#### General Properties

- Material: ⅜" Diameter 18-8 Stainless Steel
- Vandal Resistant: Yes
- Locking Patch: Yes, Factory Applied

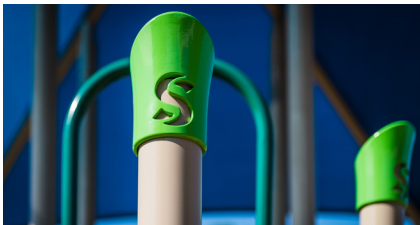


## Steel Deck Platforms, Ramps, Bridges, and Steps

Our steel decks are formed from 12-gauge hot-rolled pickled and oiled steel body — the thickest in the industry — and coated with UV stabilized PVC (plastisol) coating for a softer play surface.. Our decks are perforated for great drainage, are lead-free and have formed sides that are welded with reinforcements for an even stronger deck.

### General Properties

- 12 gauge HRPO per ASTM A1011
- Formed sides with welded reinforcements (stairs have welded stringers)
- 0.625"x1" diameter slots after coating
- Plastisol coating with thickness of .080" to .120"
- 1.5" slots for vertical adjustability
- Deck coating meets CFR 1207.5 for slip resistance
- Tensile Strength: 2,800 psi
- Elongation: 290 %
- Tear Strength: 420 lbs/in
- Lead free per 16 CFR Part 1303



### Post Caps

From easy in-field installation to a unique two-color look, our aluminum alloy post caps offer many great benefits. Our super-tough post cap design allows for less water access, making our posts more durable in the field. Once installed the post caps can't be removed, stopping unwanted vandalism.

- Aluminum alloy (ZL101) aluminum series of tertiary alloys
- Tested using GB/T 1173-1995 (equivalent to ANSI 365.0 specified in ASTM B26/B26M)
- Less than 40ppm of lead per IEC 62321:2008 Ed. 1 and US EPA 3050B: 1996
- Powder coat finish



### Other Materials

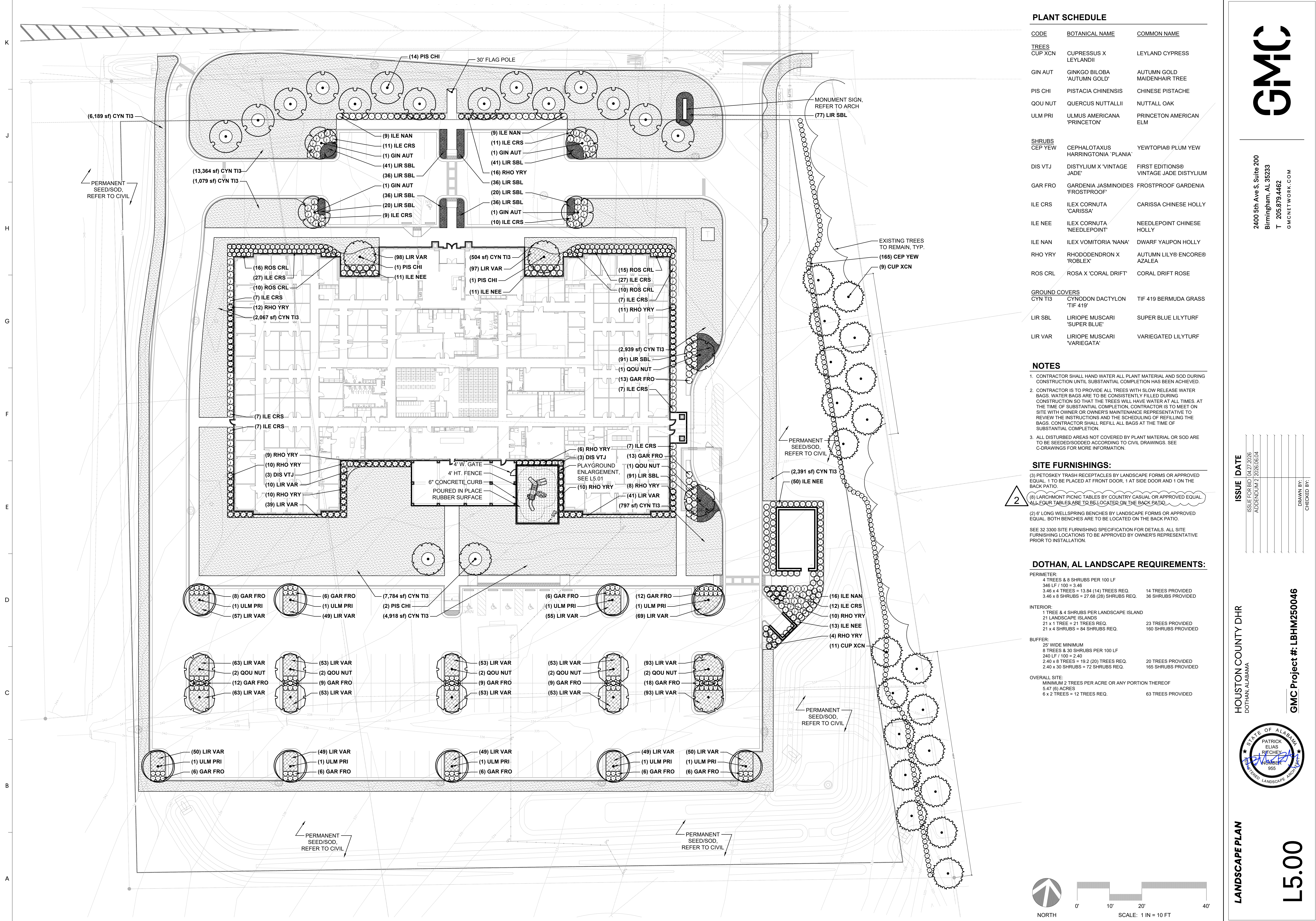
#### C-Line Fittings

- Aluminum alloy (ZL101, GB/T 1173-1995) aluminum series of tertiary alloys
- Less than 40ppm of lead per IEC 62321:2008 Ed. 1 and US EPA 3050B: 1996
- Mounts to vertical post with gasket and four 0.25"x1" self-tapping screws with patch
- Powder coat finish
- Direct bolt systems have 360° of rotational adjustability

#### Sealing Gaskets

- Neoprene rubber
- 60 +/- 5 durometer hardness





### PLANT SCHEDULE

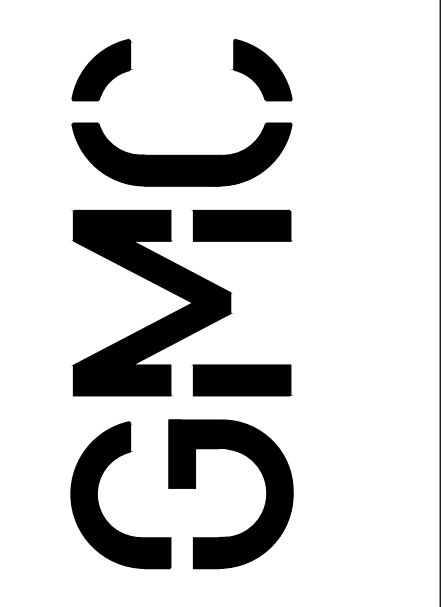
CODE	BOTANICAL NAME	COMMON NAME
TREES		
CUP XCN	CUPRESSUS X LEYLANDII	LEYLAND CYPRESS
GIN AUT	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE
PIS CHI	PISTACIA CHINENSIS	CHINESE PISTACHE
QOU NUT	QUERCUS NUTTALLII	NUTTALL OAK
ULM PRI	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM
SHRUBS		
CEP YEW	CEPHALOTAXUS HARRINGTONIA 'PLANIA'	YEWTOPIA® PLUM YEW
DIS VTJ	DISTYLIUM X 'VINTAGE JADE'	FIRST EDITIONS® VINTAGE JADE DISTYLIUM
GAR FRO	GARDENIA JASMINOIDES 'FROSTPROOF'	FROSTPROOF GARDENIA
ILE CRS	ILEX CORNUTA 'CARISSA'	CARISSA CHINESE HOLLY
ILE NEE	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT CHINESE HOLLY
ILE NAN	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
RHO YRY	RHODODENDRON X 'ROBLEX'	AUTUMN LILY® ENCORE® AZALEA
ROS CRL	ROSA X 'CORAL DRIFT'	CORAL DRIFT ROSE
GROUND COVERS		
CYN T13	CYNODON DACTYLON 'TIF 419'	TIF 419 BERMUDA GRASS
LIR SBL	LIRIOPE MUSCARI 'SUPER BLUE'	SUPER BLUE LILYTURF
LIR VAR	LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LILYTURF

- ### NOTES
- CONTRACTOR SHALL HAND WATER ALL PLANT MATERIAL AND SOD DURING CONSTRUCTION UNTIL SUBSTANTIAL COMPLETION HAS BEEN ACHIEVED.
  - CONTRACTOR IS TO PROVIDE ALL TREES WITH SLOW RELEASE WATER BAGS. WATER BAGS ARE TO BE CONSISTENTLY FILLED DURING CONSTRUCTION SO THAT THE TREES WILL HAVE WATER AT ALL TIMES. AT THE TIME OF SUBSTANTIAL COMPLETION, CONTRACTOR IS TO MEET ON SITE WITH OWNER OR OWNER'S MAINTENANCE REPRESENTATIVE TO REVIEW THE INSTRUCTIONS AND THE SCHEDULING OF REFILLING THE BAGS. CONTRACTOR SHALL REFILL ALL BAGS AT THE TIME OF SUBSTANTIAL COMPLETION.
  - ALL DISTURBED AREAS NOT COVERED BY PLANT MATERIAL OR SOD ARE TO BE SEEDED/SODDED ACCORDING TO CIVIL DRAWINGS. SEE C-DRAWINGS FOR MORE INFORMATION.

- ### SITE FURNISHINGS:
- PETOSKEY TRASH RECEPTACLES BY LANDSCAPE FORMS OR APPROVED EQUAL. 1 TO BE PLACED AT FRONT DOOR, 1 AT SIDE DOOR AND 1 ON THE BACK PATIO.
  - (8) LARCHMONT PICNIC TABLES BY COUNTRY CASUAL OR APPROVED EQUAL. ALL FOUR TABLES ARE TO BE LOCATED ON THE BACK PATIO.
  - (2) 6' LONG WELLSRING BENCHES BY LANDSCAPE FORMS OR APPROVED EQUAL. BOTH BENCHES ARE TO BE LOCATED ON THE BACK PATIO.
- SEE 32 3300 SITE FURNISHING SPECIFICATION FOR DETAILS. ALL SITE FURNISHING LOCATIONS TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

### DOTHAN, AL LANDSCAPE REQUIREMENTS:

PERIMETER:	INTERIOR:	BUFFER:	OVERALL SITE:
4 TREES & 8 SHRUBS PER 100 LF	1 TREE & 4 SHRUBS PER LANDSCAPE ISLAND	25' WIDE MINIMUM	MINIMUM 2 TREES PER ACRE OR ANY PORTION THEREOF
348 LF / 100 = 3.48	21 LANDSCAPE ISLANDS	8 TREES & 30 SHRUBS PER 100 LF	5.47 (6) ACRES
3.46 x 4 TREES = 13.84 (14) TREES REQ.	21 x 1 TREE = 21 TREES REQ.	240 LF / 100 = 2.40	6 x 2 TREES = 12 TREES REQ.
3.46 x 8 SHRUBS = 27.68 (28) SHRUBS REQ.	21 x 4 SHRUBS = 84 SHRUBS REQ.	2.40 x 8 TREES = 19.2 (20) TREES REQ.	
		2.40 x 30 SHRUBS = 72 SHRUBS REQ.	
			63 TREES PROVIDED



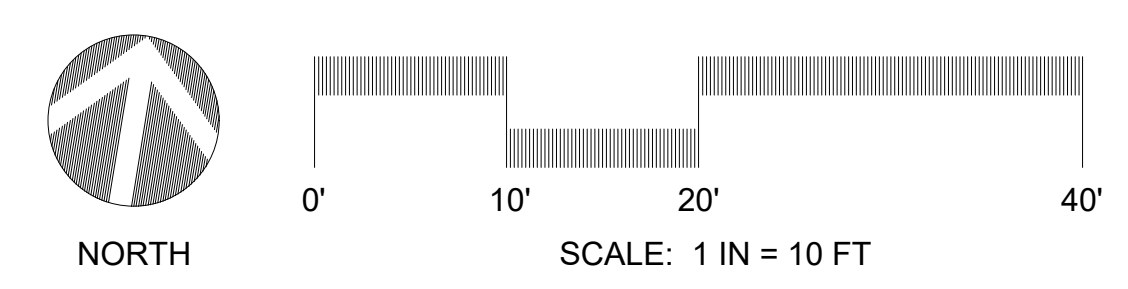
2400 5th Ave S, Suite 200  
Birmingham, AL 35233  
T 205.979.4462  
GMCNETWORK.COM

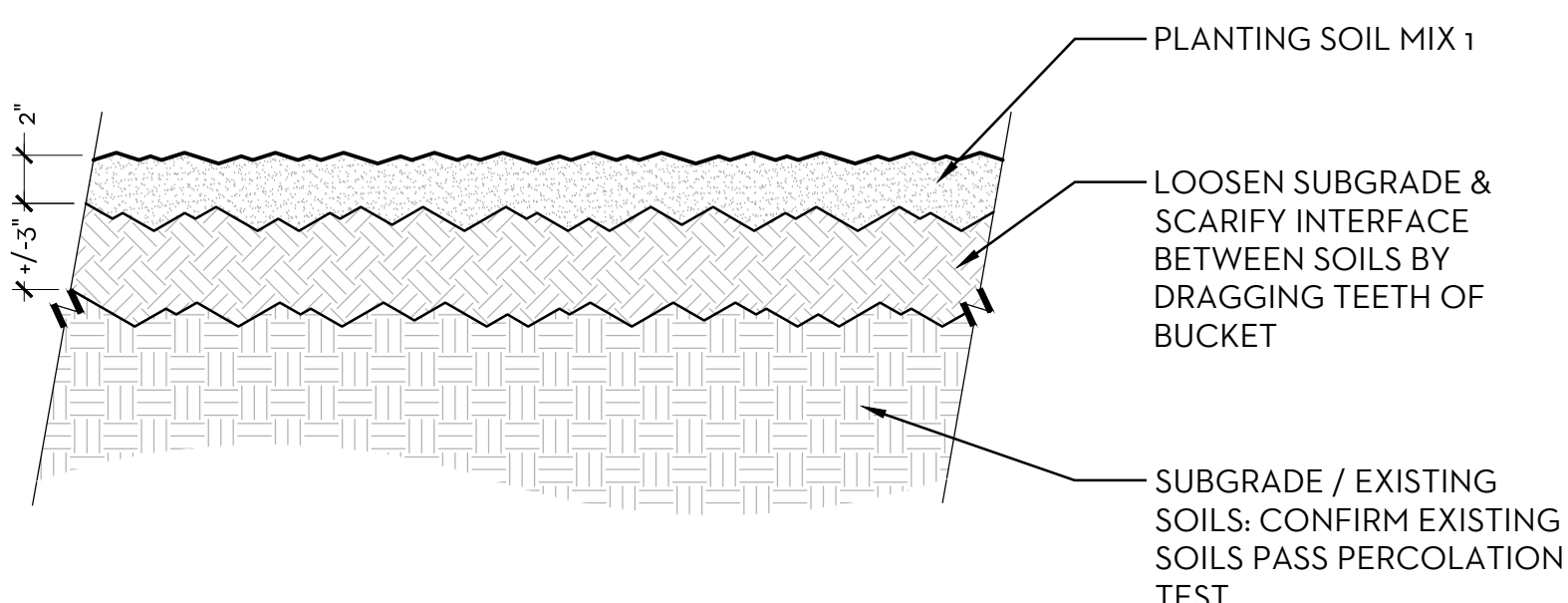
ISSUE DATE	DRAWN BY:	CHECKED BY:
ISSUE FOR BID 06/27/2026		
ADDENDUM 2 02/26/2024		

HOUSTON COUNTY DHR  
DOTHAN, ALABAMA  
GMC Project #: LBHM250046

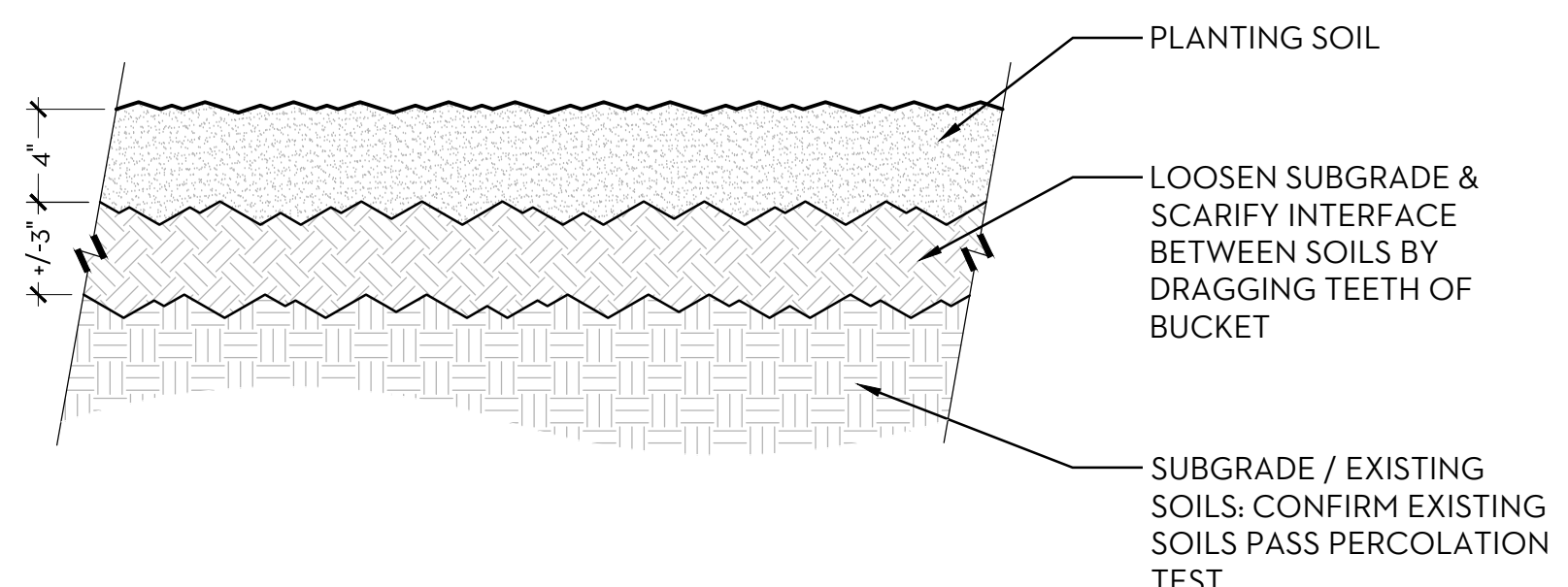


LANDSCAPE PLAN  
L5.00

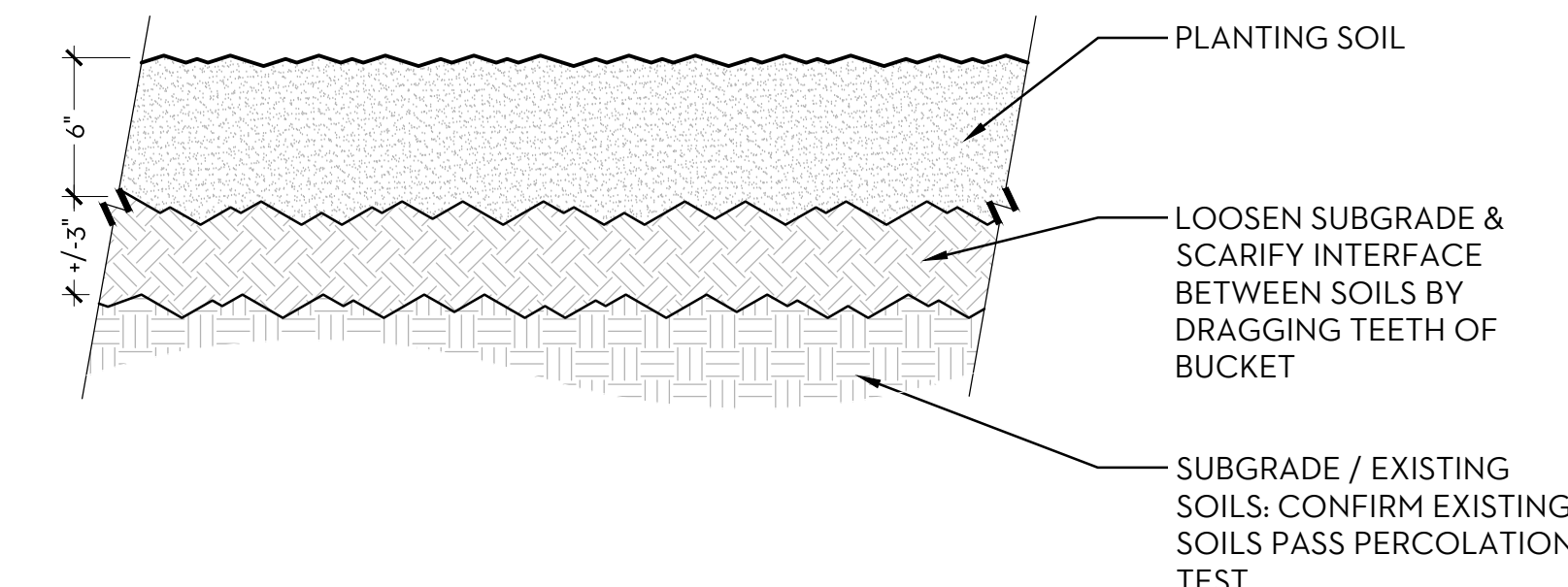




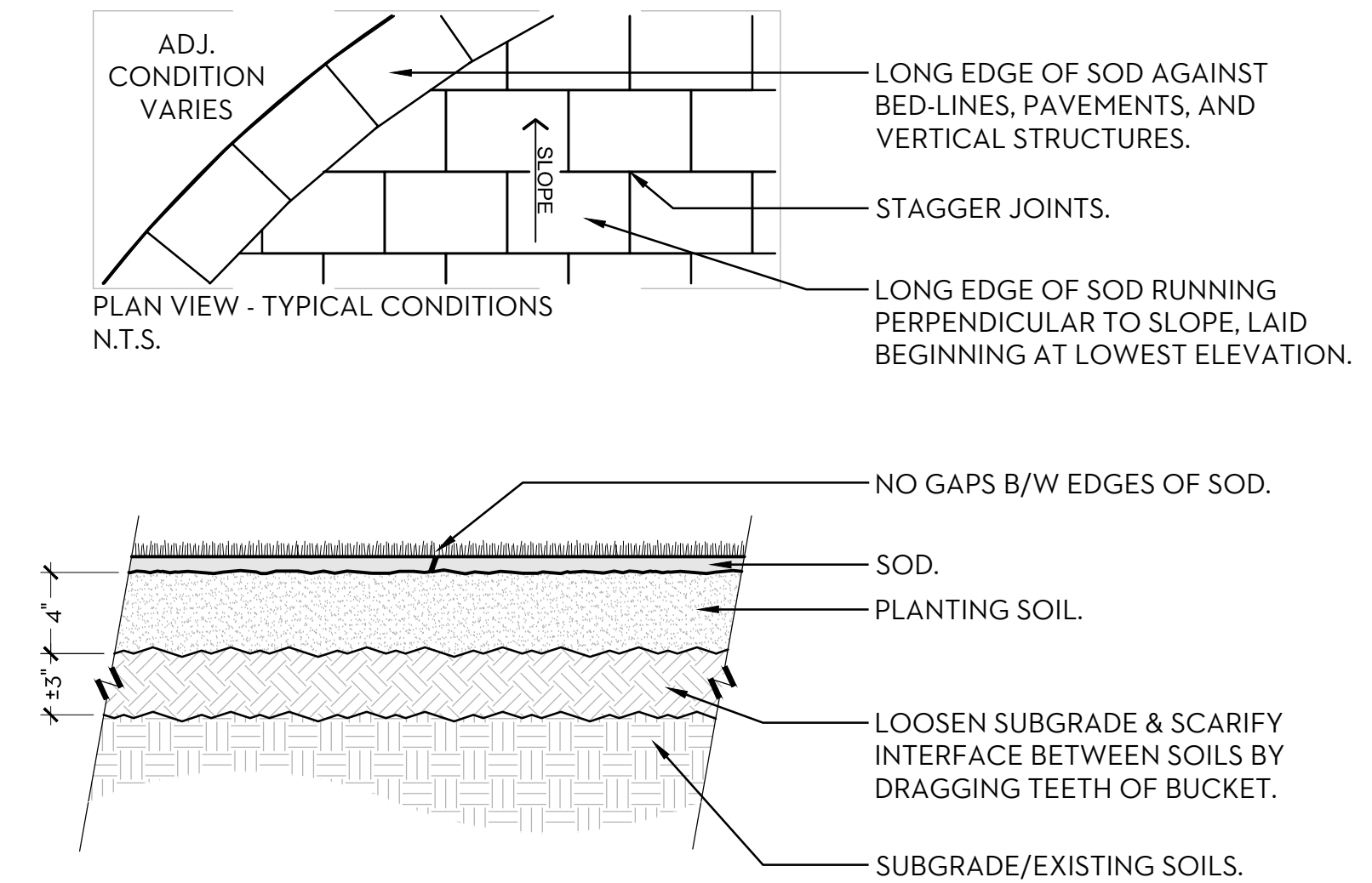
**1 SEEDING SOIL PREPARATION**  
1 1/2" = 1'-0"



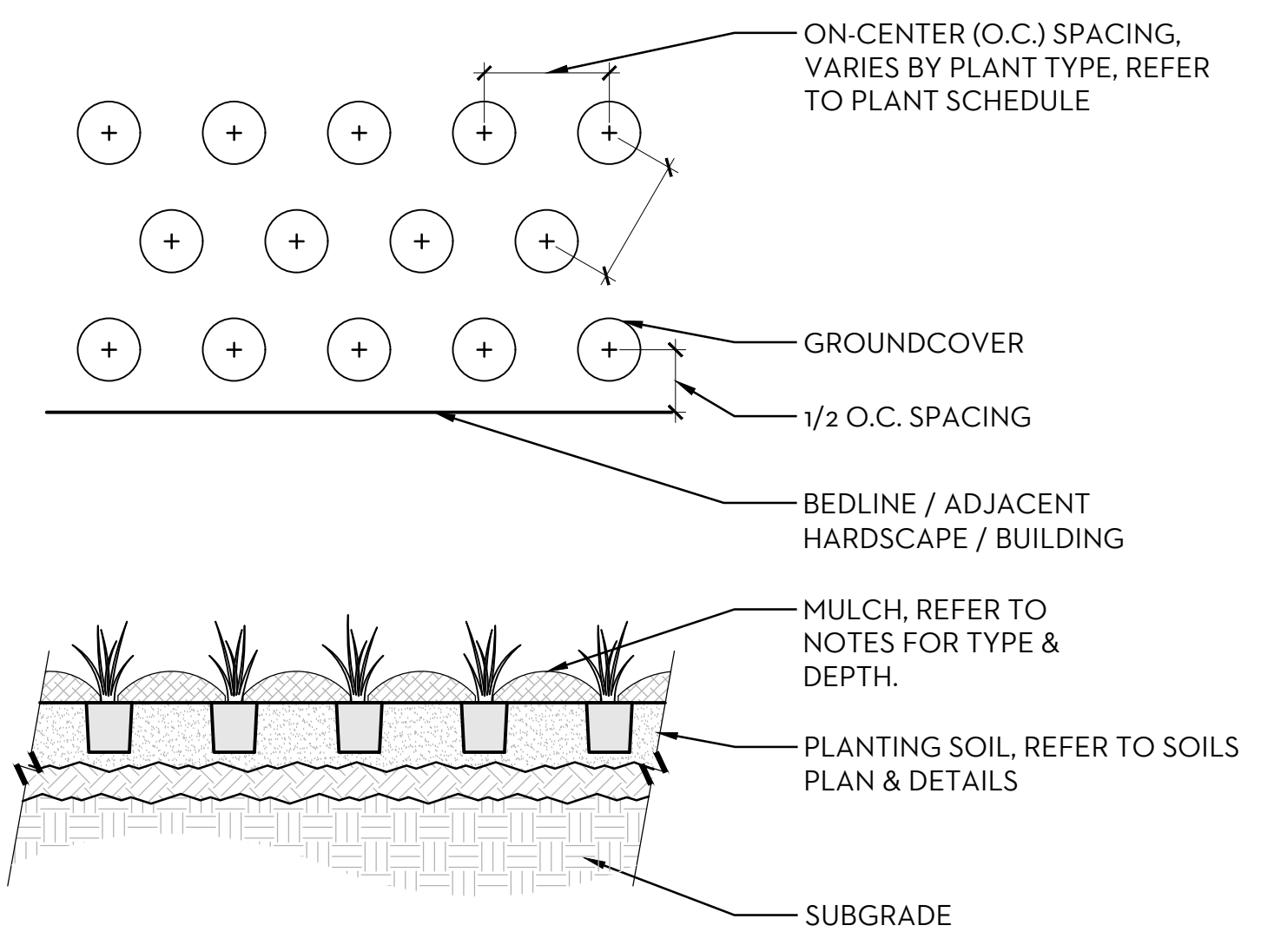
**2 SOD SOIL PREPARATION**  
1 1/2" = 1'-0"



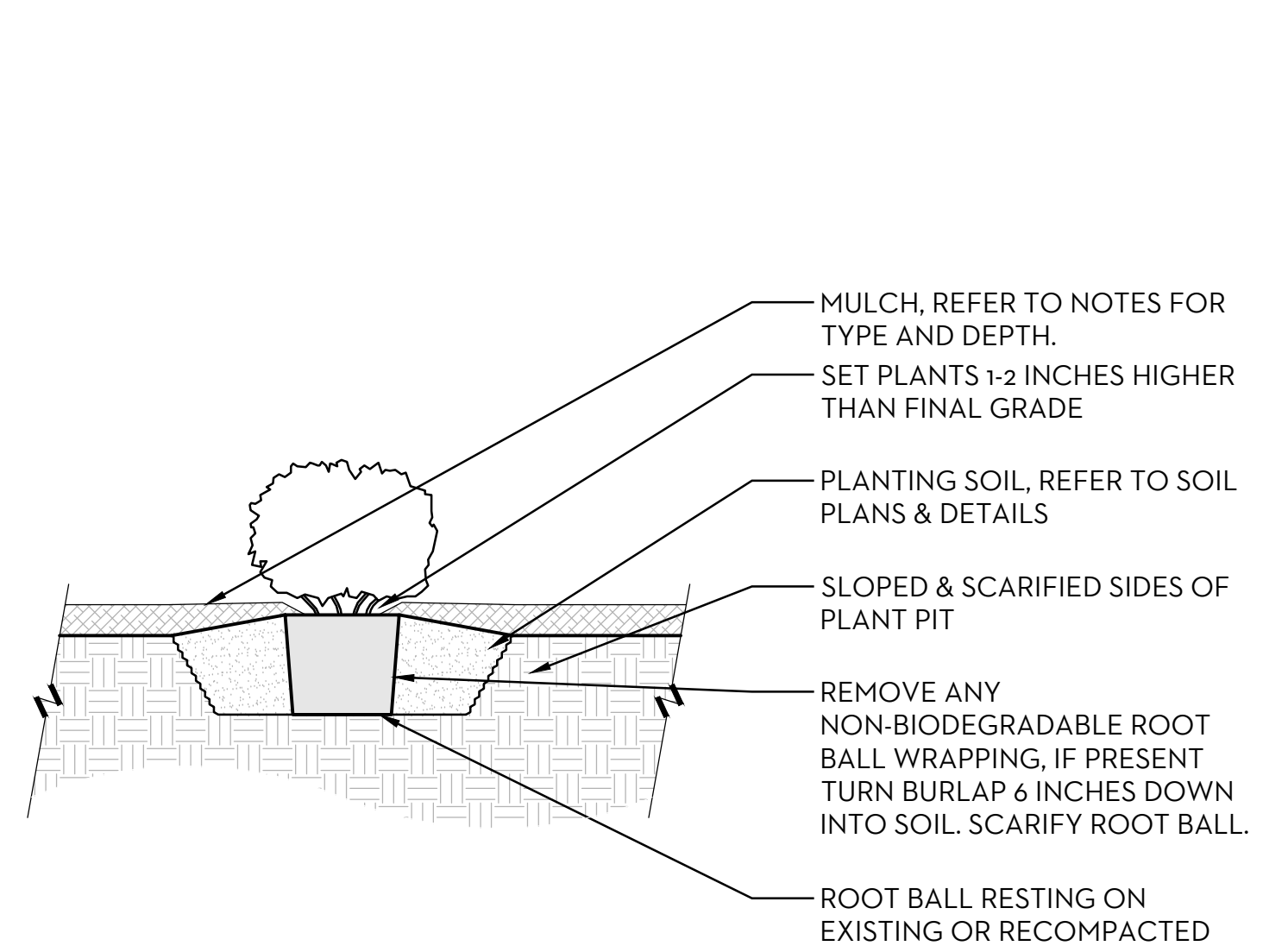
**3 PLANT BED SOIL PREPARATION**  
1 1/2" = 1'-0"



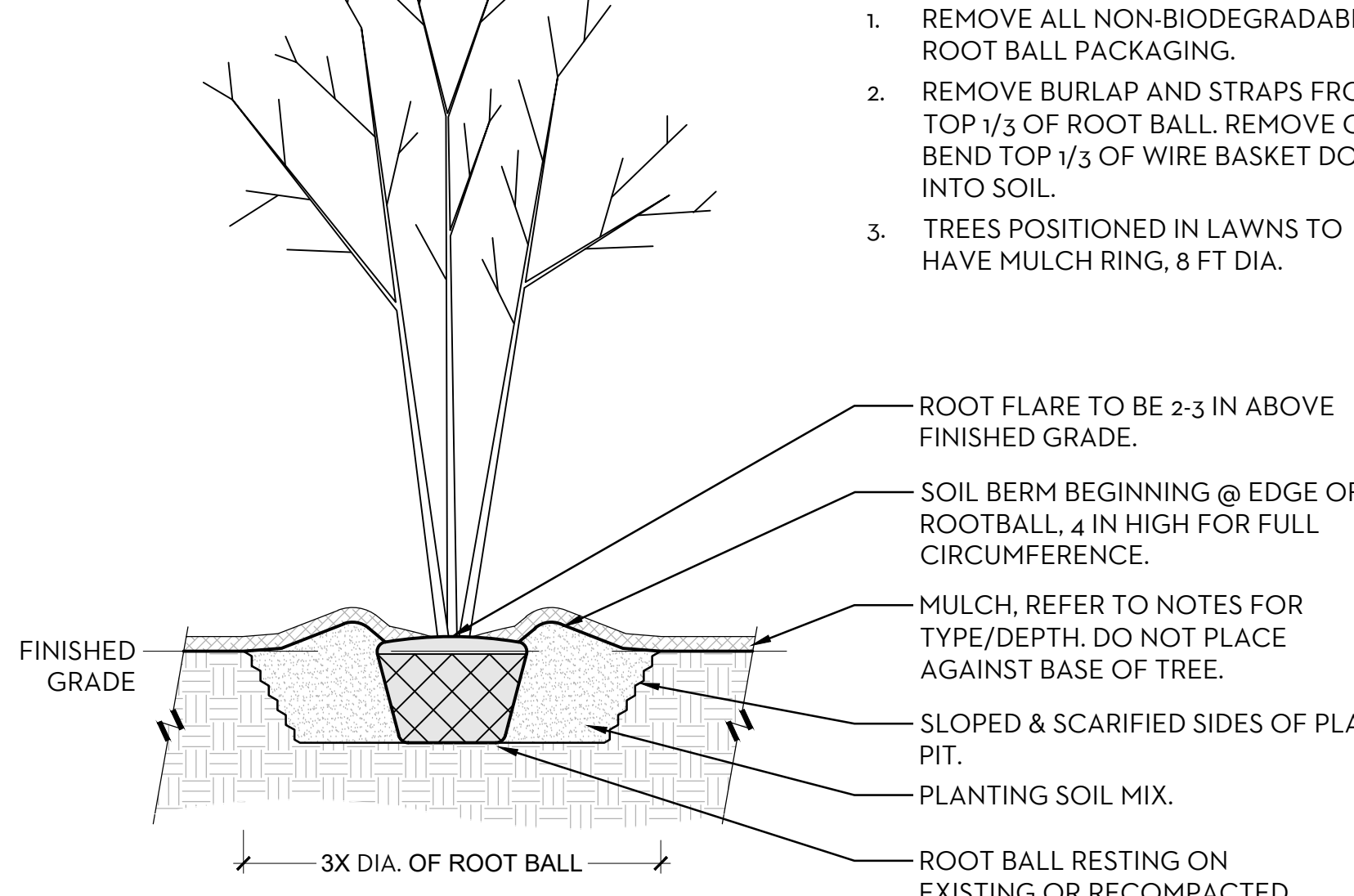
**4 SOD INSTALLATION**  
1 1/2" = 1'-0"



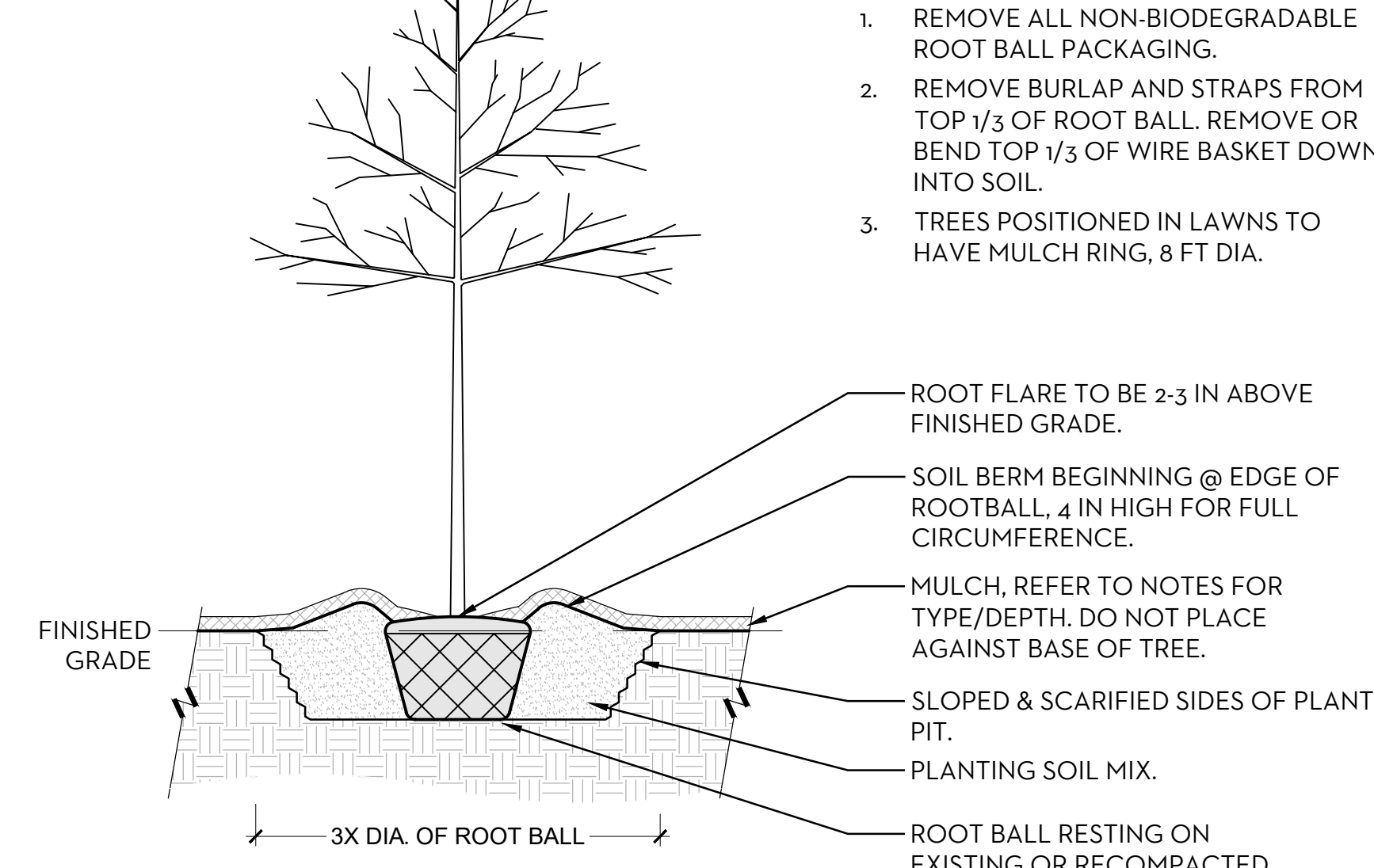
**5 GROUNDCOVER & PERENNIAL PLANTING**  
3/4" = 1'-0"



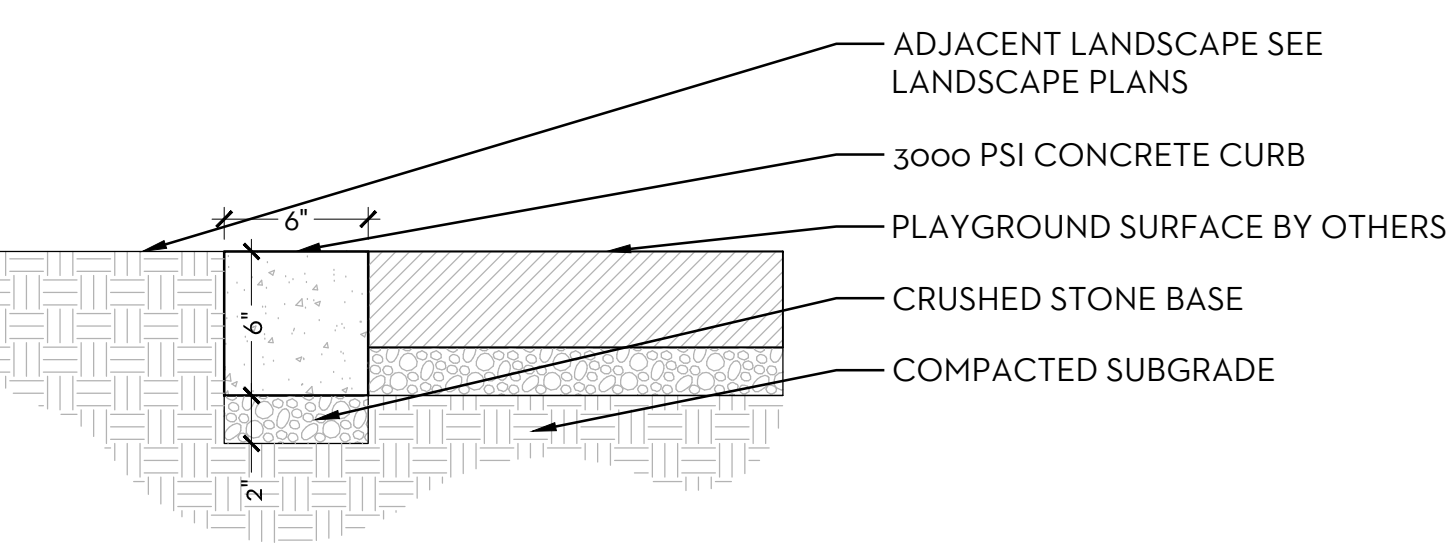
**6 SHRUB PLANTING**  
3/4" = 1'-0"



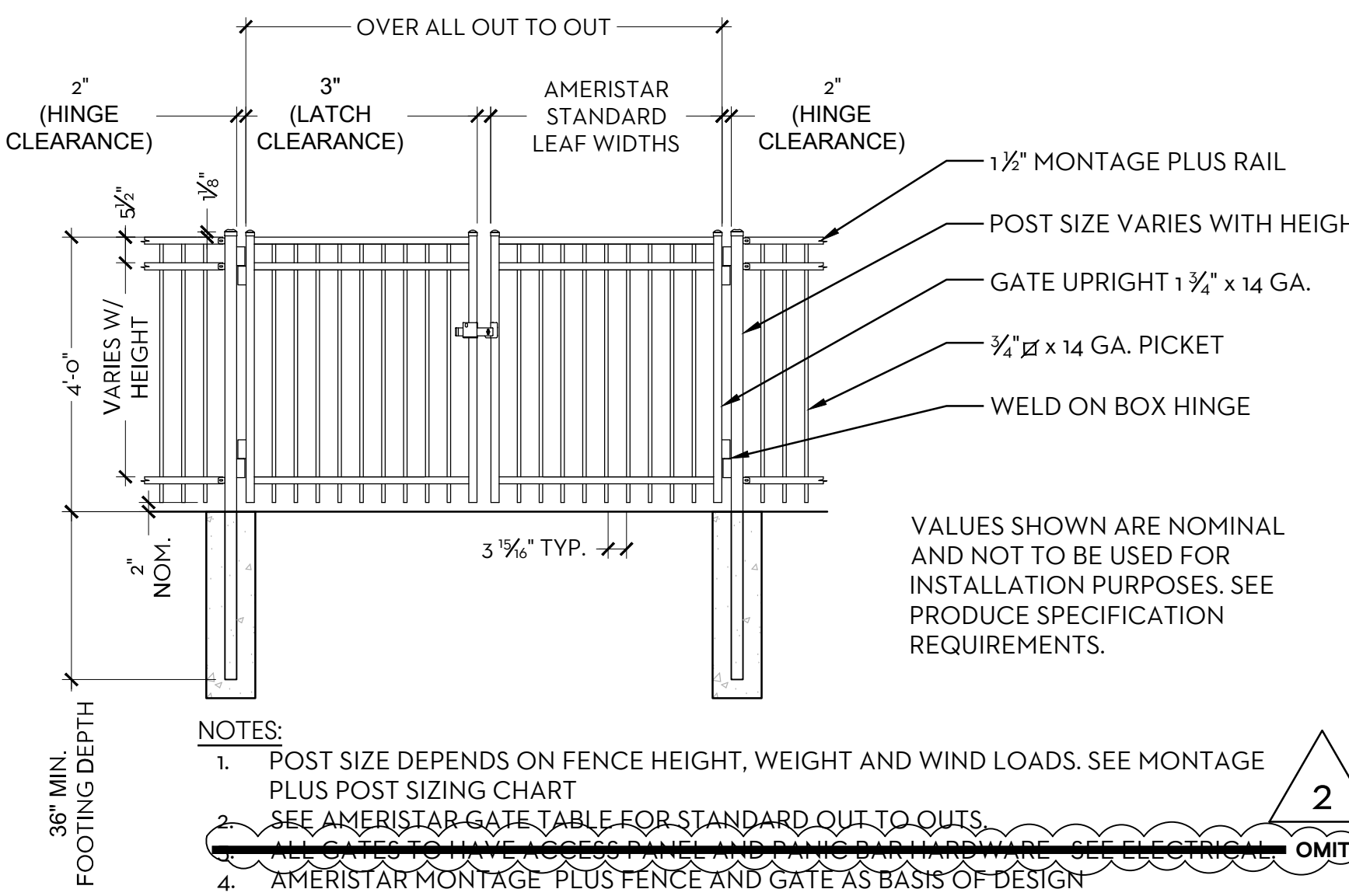
**7 TREE PLANTING, MULTI-TRUNK**  
3/8" = 1'-0"



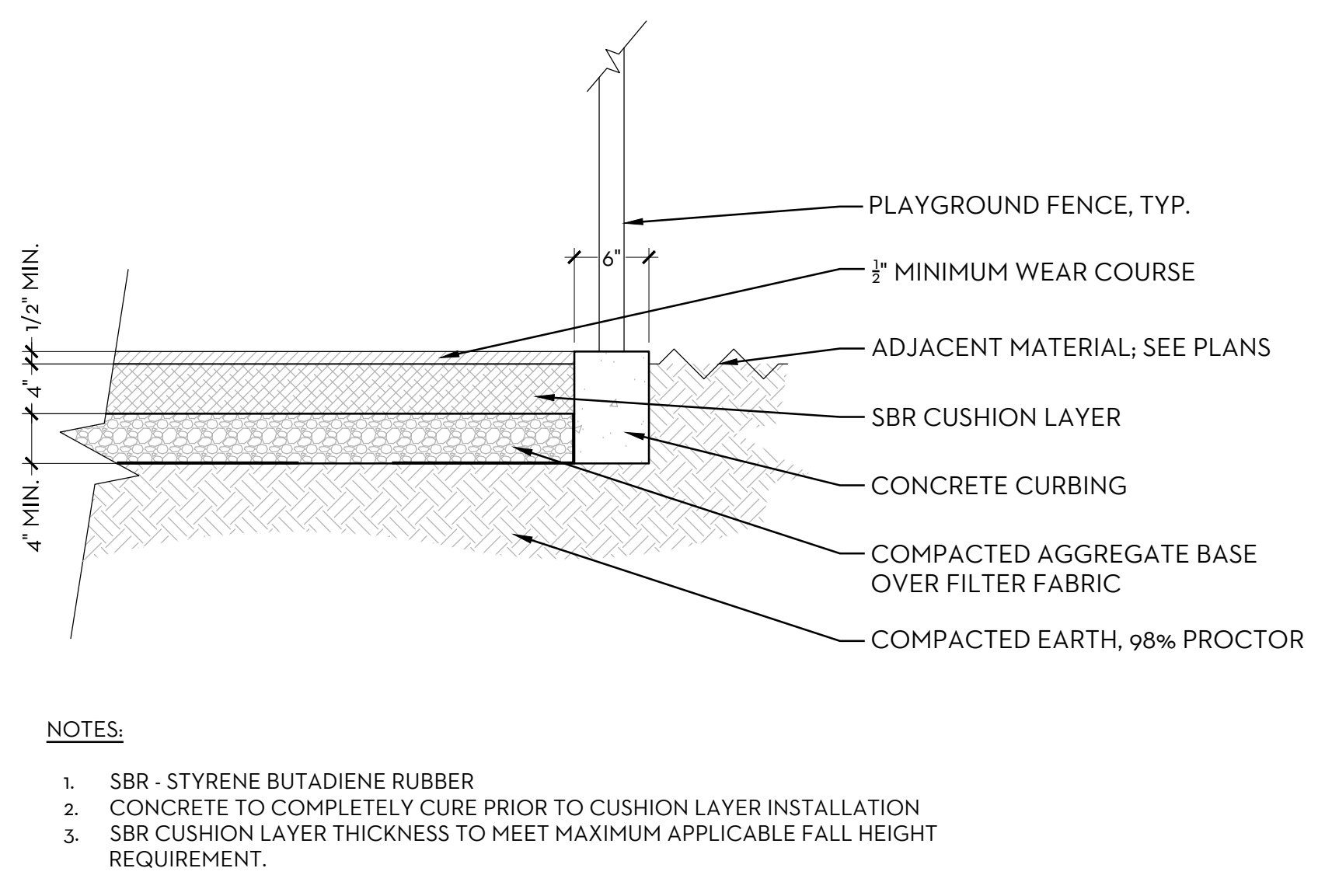
**8 TREE PLANTING**  
3/8" = 1'-0"



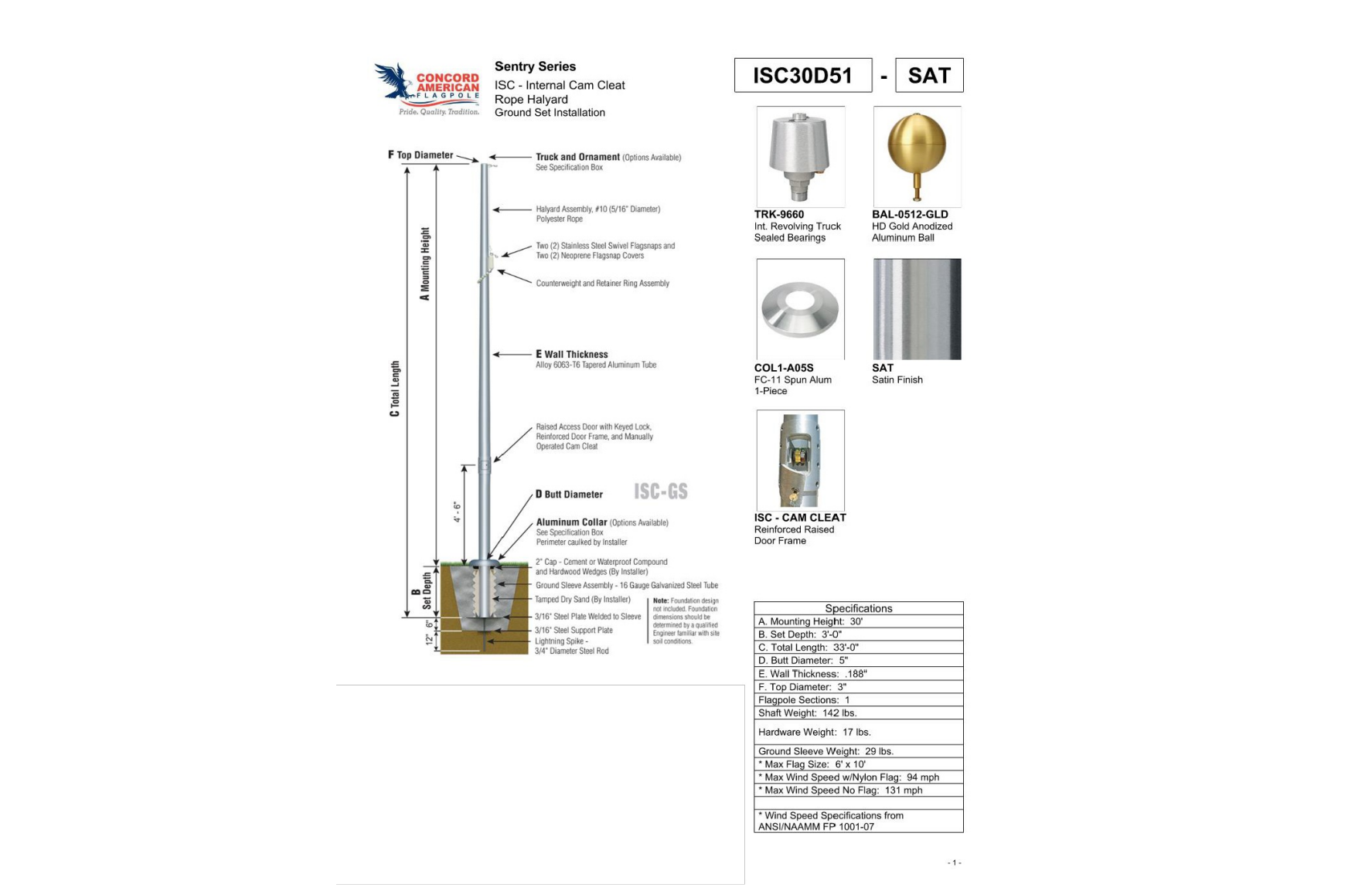
**9 6 INCH CONCRETE CURB**  
1 1/2" = 1'-0"



**10 FENCE AND GATE**  
3/8" = 1'-0"



**11 PIP PLAYGROUND SURFACE**  
1" = 1'-0"



**12 30' FLAG POLE**  
N.T.S.

PLANT SCHEDULE							
CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL. / HT.	ROOTBALL	REMARKS	
<b>TREES</b>							
CUP XCN	20	CUPRESSUS X LEYLANDII	LEYLAND CYPRESS	2.0" CAL.	B&B		
GIN AUT	4	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	2.0" CAL.	B&B		
PIS CHI	18	PISTACIA CHINENSIS	CHINESE PISTACHE	2.0" CAL.	B&B		
QOU NUT	12	QUERCUS NUTTALLII	NUTTALL OAK	2.0" CAL.	B&B		
ULM PRI	9	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.0" CAL.	B&B		
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HT.	SPACING	REMARKS
<b>SHRUBS</b>							
CEP YEW	165	CEPHALOTAXUS HARRINGTONIA 'PLANIA'	YEWTOPIA® PLUM YEW	3 GAL	36" o.c.		
DIS VTJ	6	DISTYLIMUM X 'VINTAGE JADE'	FIRST EDITIONS® VINTAGE JADE DISTYLIMUM	3 GAL	48" o.c.		
GAR FRO	145	GARDENIA JASMINOIDES 'FROSTPROOF'	FROSTPROOF GARDENIA	3 GAL	36" o.c.		
ILE CRS	149	ILEX CORNUTA 'CARISSA'	CARISSA CHINESE HOLLY	3 GAL	48" o.c.		
ILE NEE	85	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT CHINESE HOLLY	3 GAL	48" o.c.		
ILE NAN	34	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	3 GAL	48" o.c.		
RHO YRY	106	RHODODENDRON X 'ROBLEX'	AUTUMN LILY® ENCORE® AZALEA	3 GAL	48" o.c.		WHITE FLOWERS
ROS CRL	51	ROSA X 'CORAL DRIFT'	CORAL DRIFT ROSE	3 GAL	36" o.c.		
CODE	QTY	BOTANICAL NAME	COMMON NAME	TYPE	SPACING	REMARKS	
<b>GROUND COVERS</b>							
CYN T13	42,032 SE	CYNODON DACTYLON 'TIF 419'	TIF 419 BERMUDA GRASS	SOD			
LIR SBL	524	LIRIOPE MUSCARI 'SUPER BLUE'	SUPER BLUE LILYTURF	4" POT	18" o.c.		
LIR VAR	1,392	LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LILYTURF	4" POT	18" o.c.		

**GENERAL LANDSCAPE NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS & RELATED EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
- CONTRACTOR'S BASE BID TO INCLUDE ALL MATERIALS, LABOR, PERMITS, EQUIPMENT, TOOLS, INSURANCE, ETC. TO PERFORM THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS.
- PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, & REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK & PROVIDE PERMITS REQUIRED BY LOCAL AUTHORITIES.
- CONTRACTOR TO COMPLETE ALL WORK WITHIN SCHEDULE ESTABLISHED BY OWNER.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER THAN OR EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.
- SEE CIVIL DRAWINGS FOR INFORMATION REGARDING EROSION/SEDIMENT CONTROL, LOCATION OF EXISTING & PROPOSED STRUCTURES, PAVING, DRIVEWAYS, CUT & FILL AREAS, LIMITS OF CONSTRUCTION, EXISTING & PROPOSED UTILITIES OR EASEMENTS.

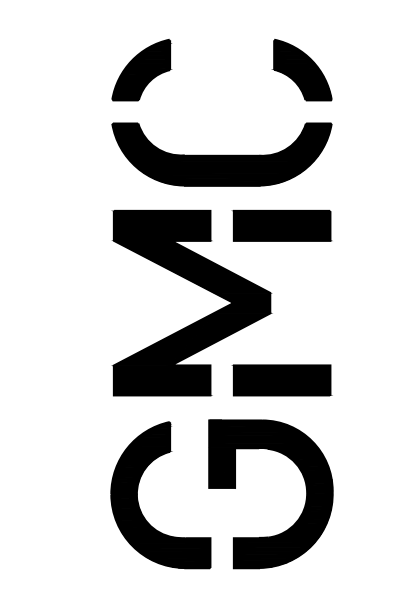
**PRE-APPROVED NURSERIES & TREE TAGGING**

THE CONTRACTOR IS TO SOURCE THE TREES SPECIFIED ON THESE DRAWINGS AT THE FOLLOWING NURSERIES OR PREAPPROVED EQUAL NURSERIES. NURSERIES OF EQUAL QUALITY TREES MUST BE APPROVED PRIOR TO BIDDING.

ALABAMA			
HUNTER TREES, LLC 700 INDIAN VALLEY ROAD ALPINE, AL 35014 (866) 348-6837	GREEN VALLEY TREE FARM 12975 COUNTY ROAD 17 MONTEVALLO, AL 35115 (205) 665-1355	PLANTATION TREE COMPANY 120 COUNTY ROAD 15 SOUTH SELMA, AL 36703 1 (800) 848-5064	
GEORGIA			
SELECT TREES 1900 COLE SPRINGS RD BISHOP, GA 30621 (706) 743-5124	BOLD SPRINGS NURSERY 1366 COLUMBUS HWY HAWKINSVILLE, GA 31036 (478) 783-4975	SOUTHEASTERN GROWERS, INC 2240 MACON HIGHWAY WATKINSVILLE, GA 30677 (706) 310-1110	MOON'S TREE FARM, INC. 175 HAPPY HOLLOW ROAD WASHINGTON, GA 30673 (770) 554-6849

**PLANT INSTALLATION NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL RELATED EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
- REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
- SEE SPECIFICATIONS & DETAILS FOR PLANTING METHODS, REQUIREMENTS, SOIL TESTING, MATERIALS, EXECUTION, AND PLANT PROTECTION.
- PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
- CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOWN ON THE PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED ON THE PLAN.
- ALL PLANTING BEDS AND TREES SHALL BE MULCHED WITH 3-4 IN. OF SETTLED PINE STRAW THAT IS FREE FROM DEBRIS, LEAVES, TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH. PINE STRAW MULCH SHALL BE TUCKED & ROLLED AT ALL EDGES.
  - TREES PLACED IN SODDED/TURFGRASS AREAS SHALL BE MULCHED WITH AN 8 FT. DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER THAN OR EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.



2400 5th Ave S, Suite 200  
Birmingham, AL 35233  
T 205.979.4462  
GMCNETWORK.COM

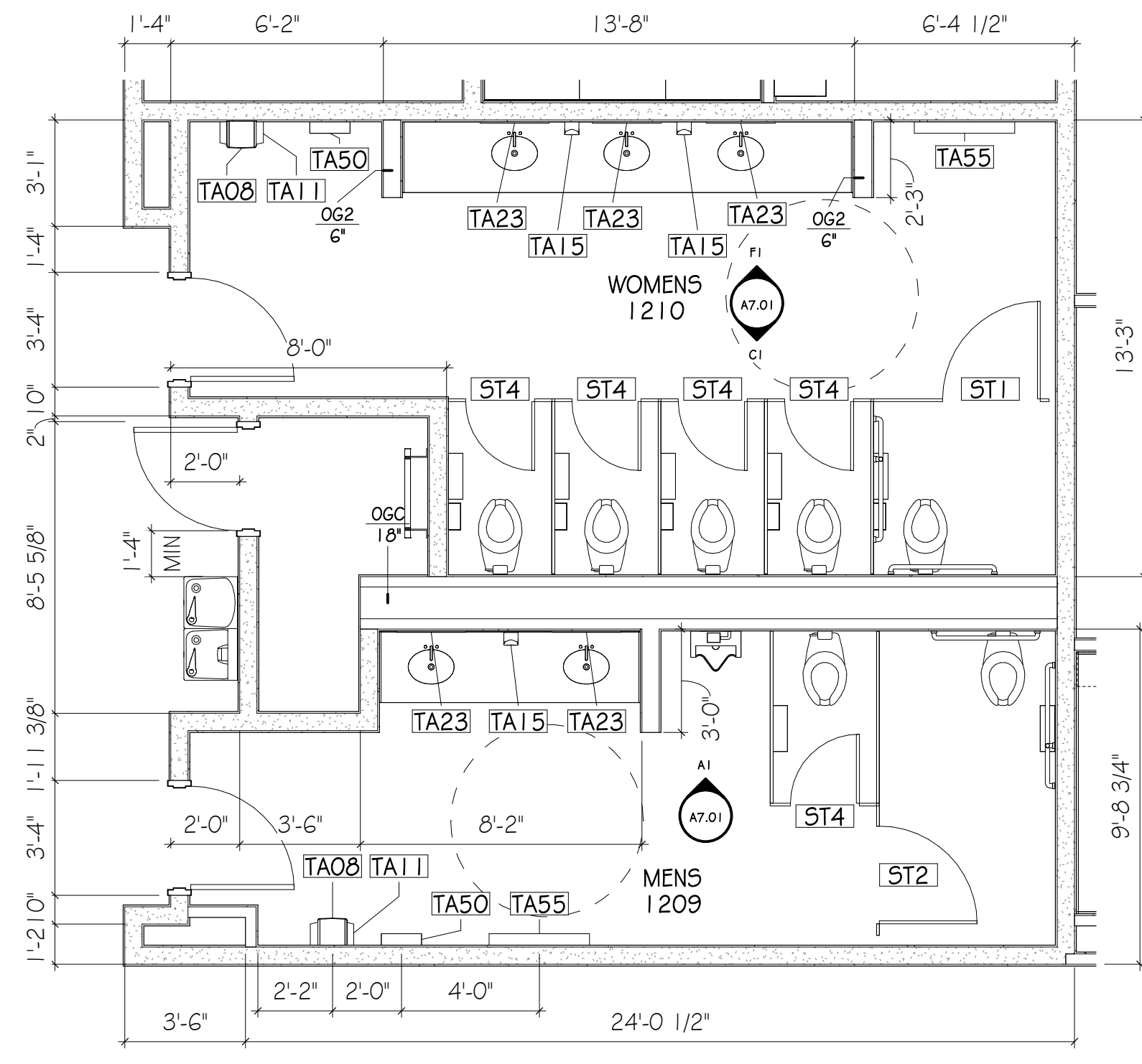
ISSUE	DATE
ISSUE FOR BID	06/27/2026
ADDENDUM 2	02/26/2024

HOUSTON COUNTY DHR  
DOTHAN, ALABAMA  
GMC Project #: LBHM250046

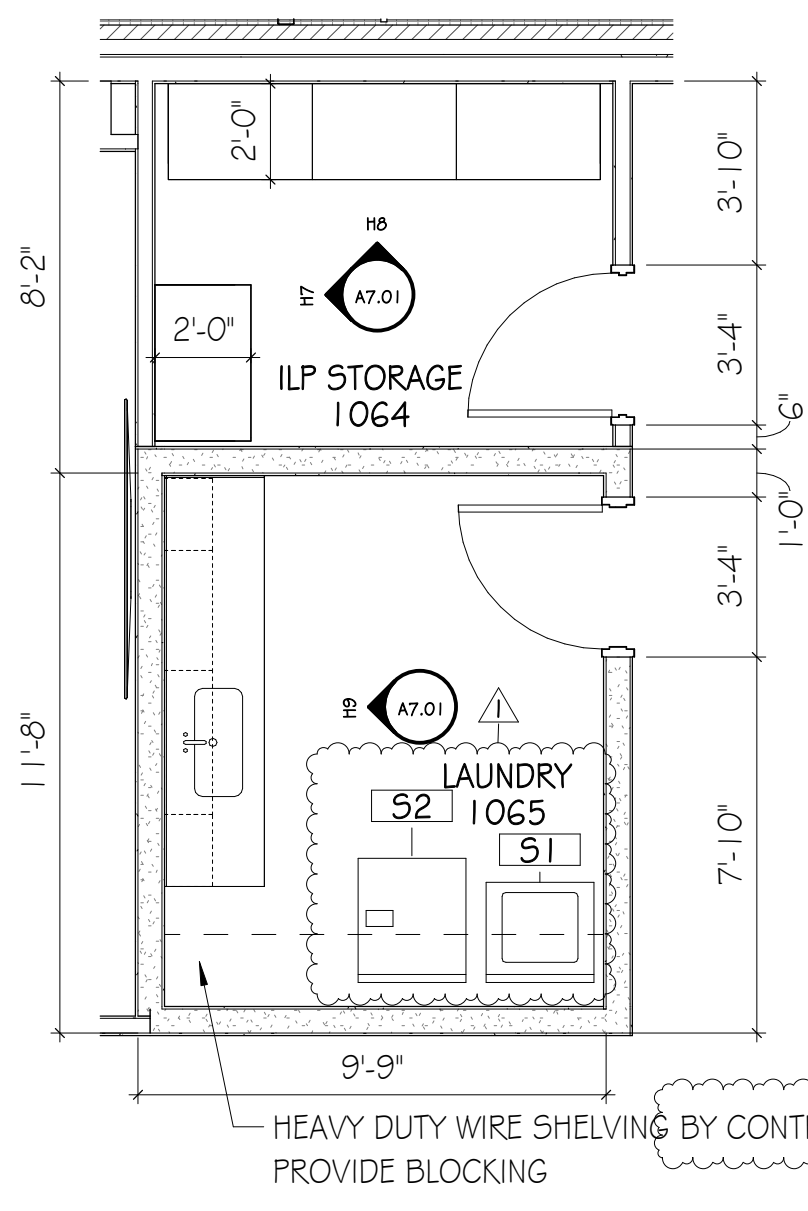


LANDSCAPE DETAILS  
**L6.00**

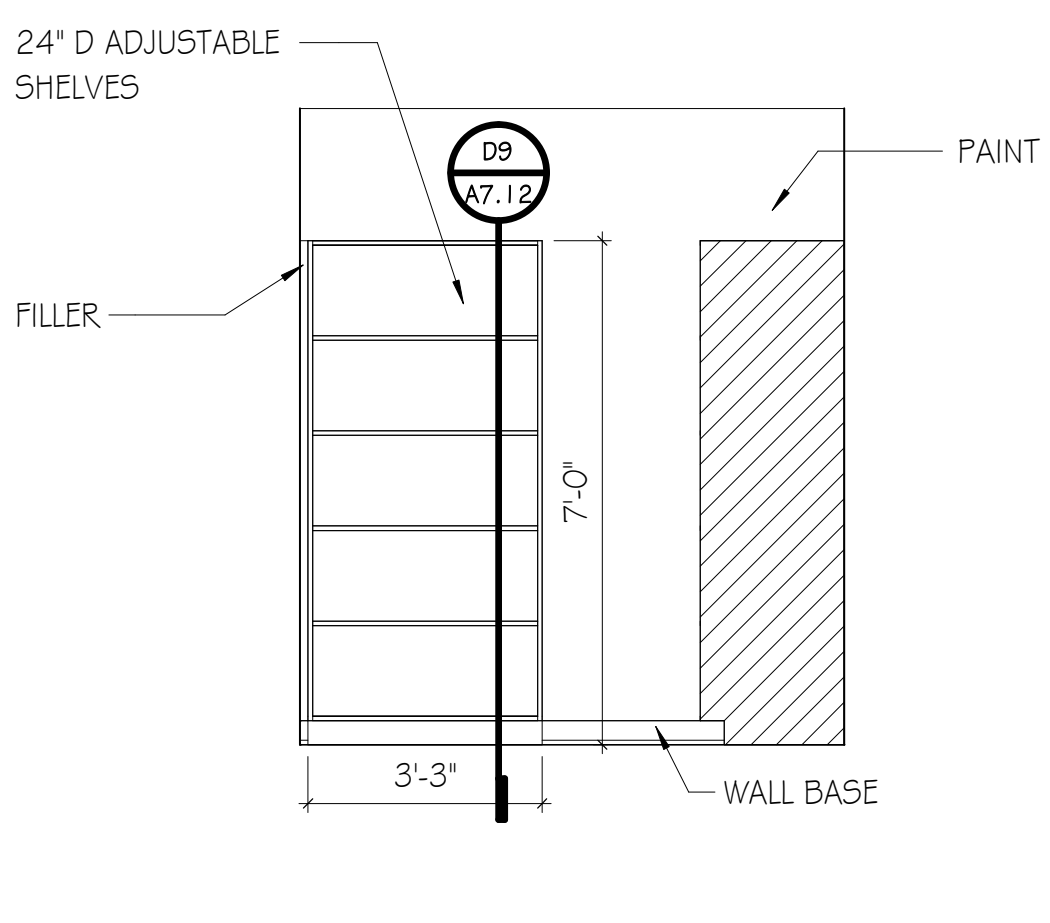
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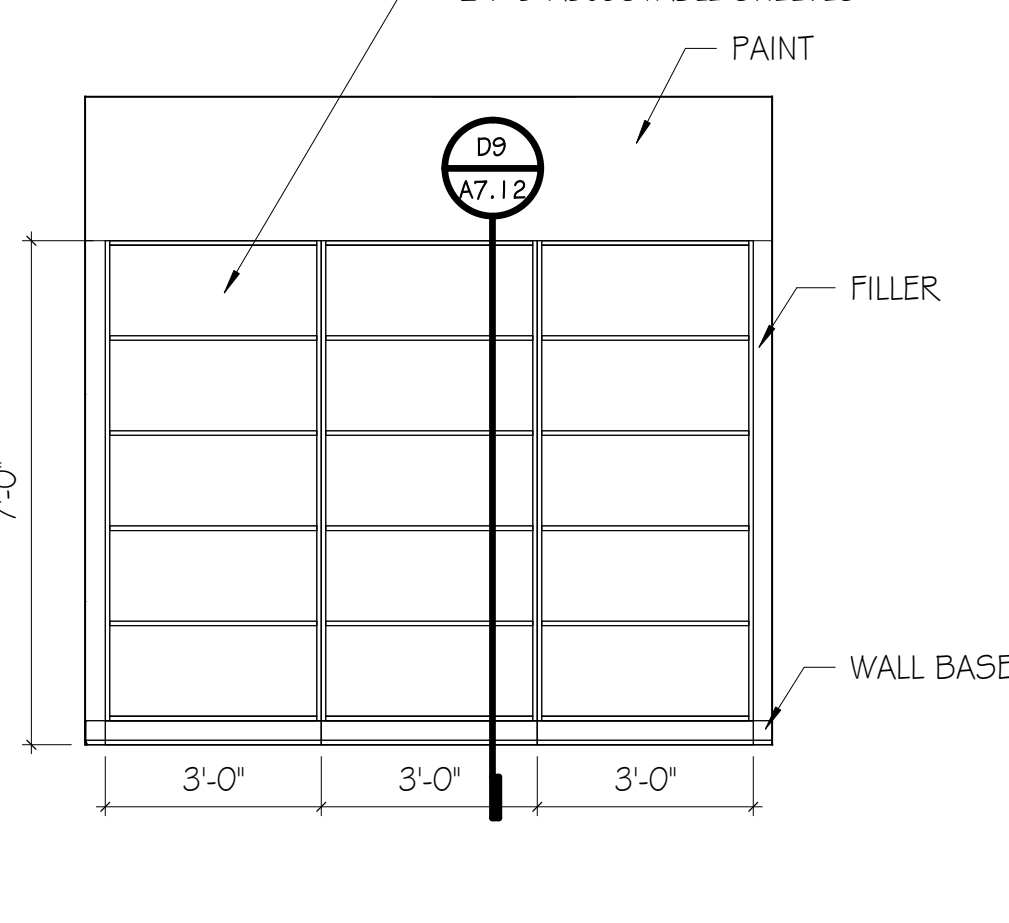
**H1 WOMEN 1210 / MEN 1209**  
 SCALE: 1/4" = 1'-0"



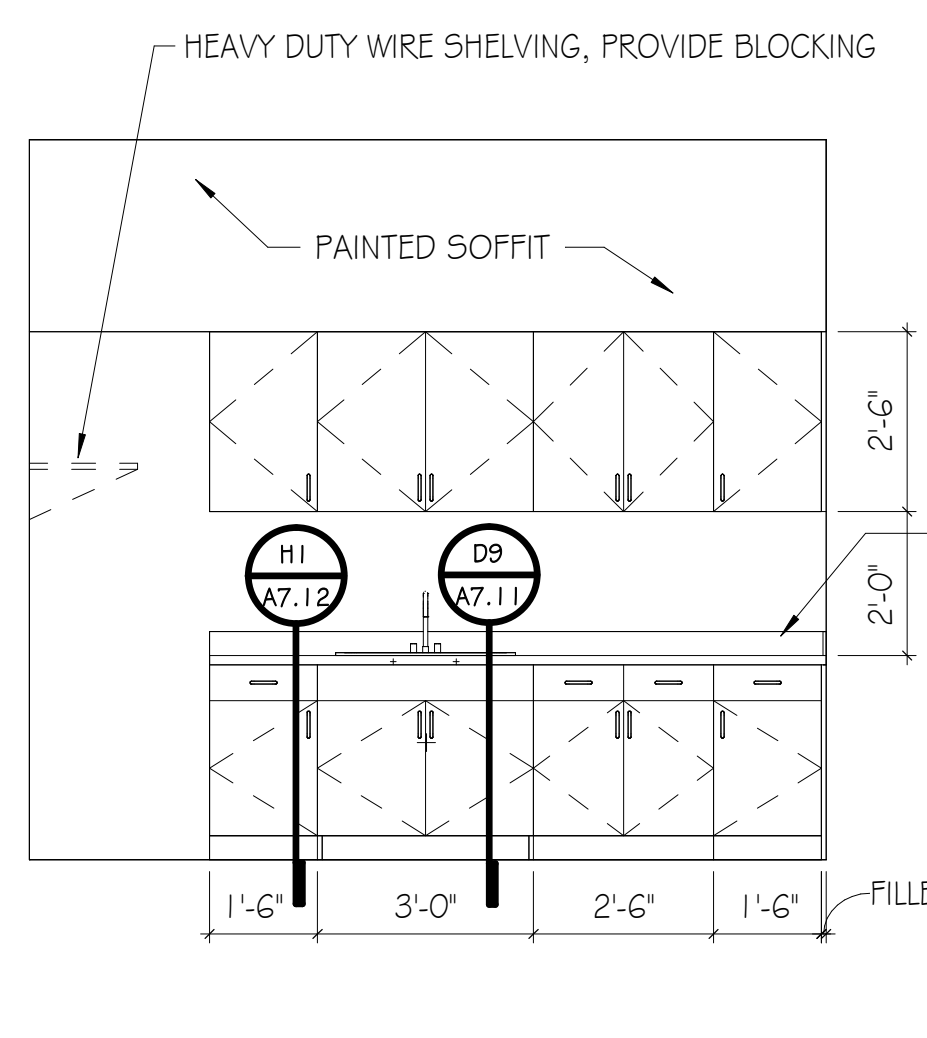
**H5 ILP STORAGE 1064 / LAUNDRY 1065**  
 SCALE: 1/4" = 1'-0"



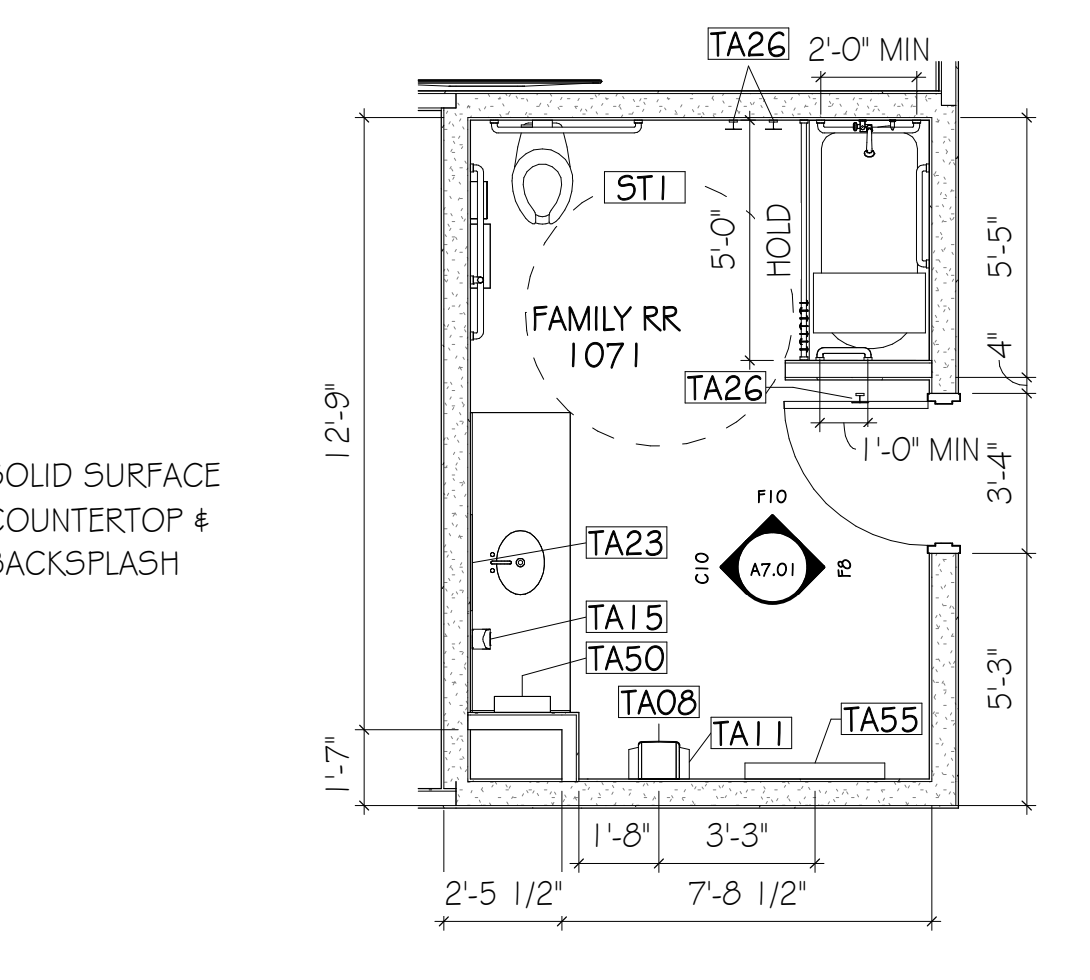
**H7 ILP STORAGE 1064 - 1**  
 SCALE: 3/8" = 1'-0"



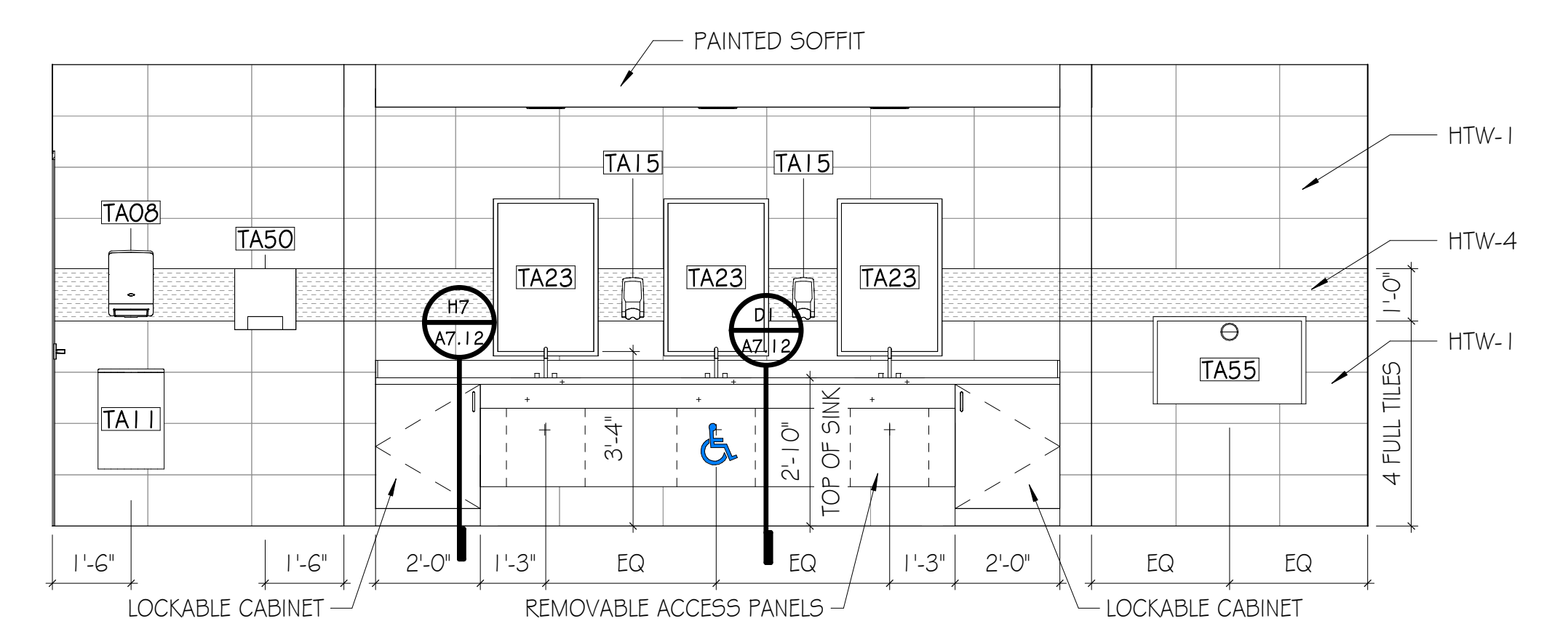
**H8 ILP STORAGE 1064 - 2**  
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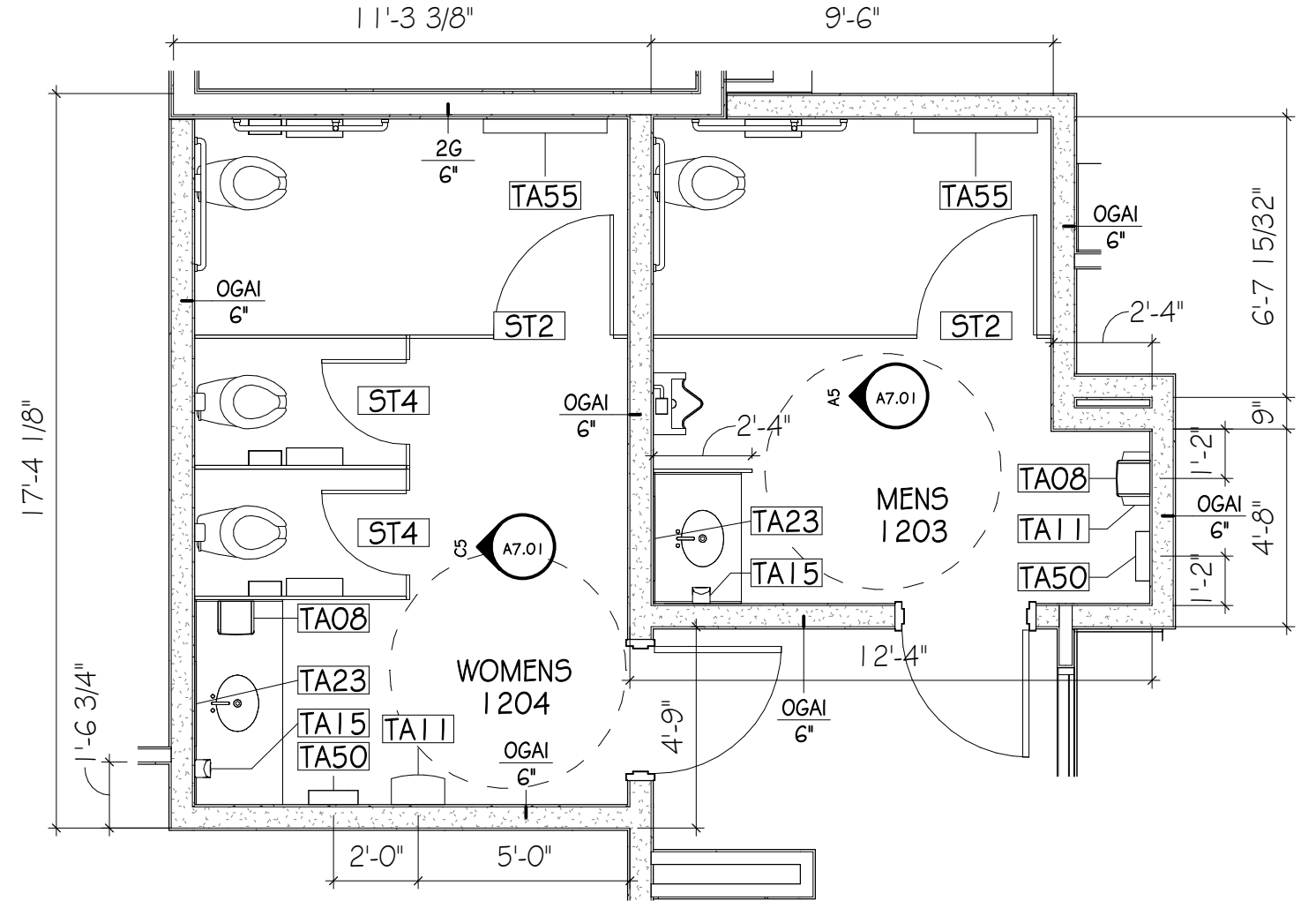
**H9 LAUNDRY 1065**  
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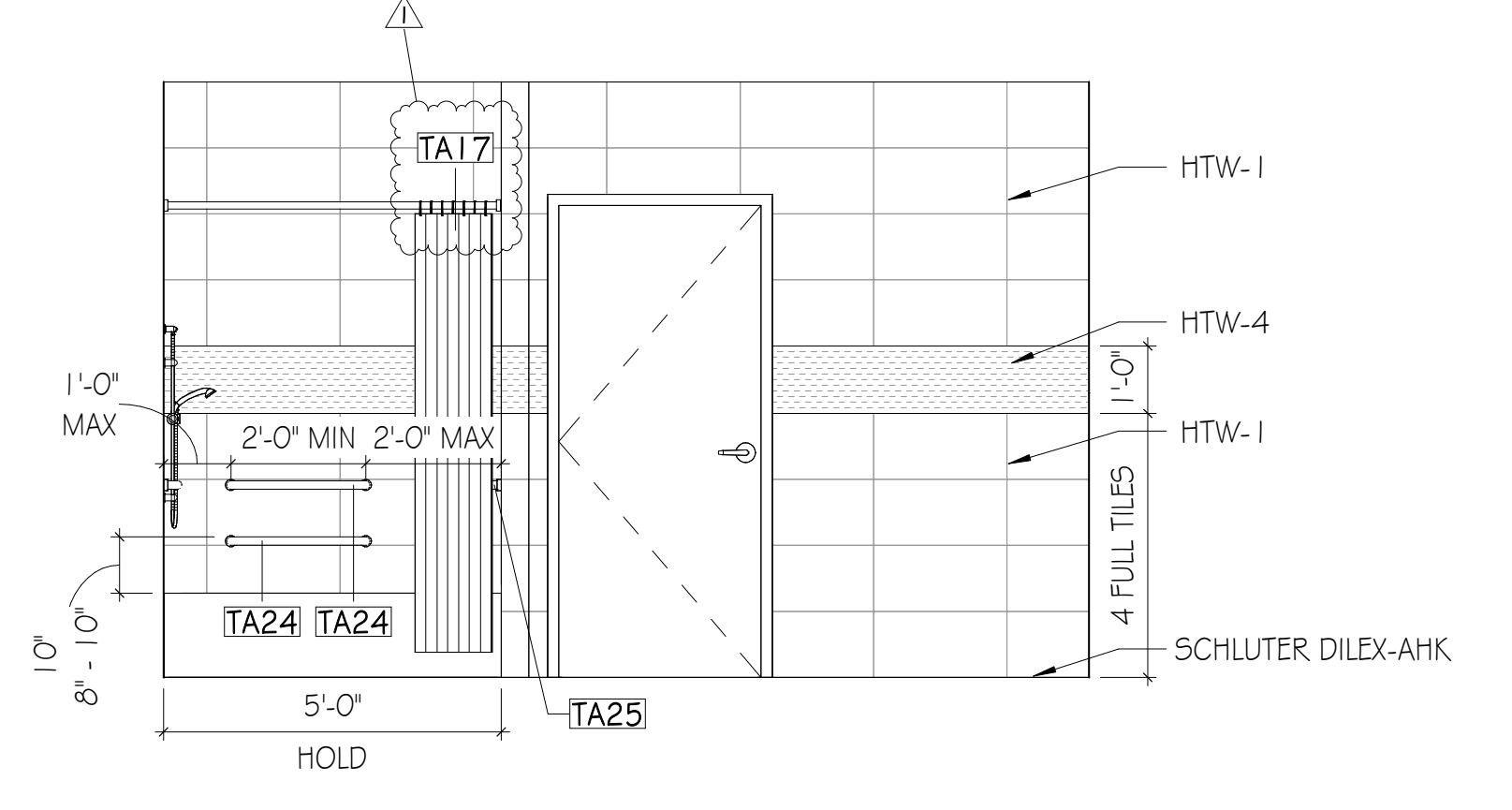
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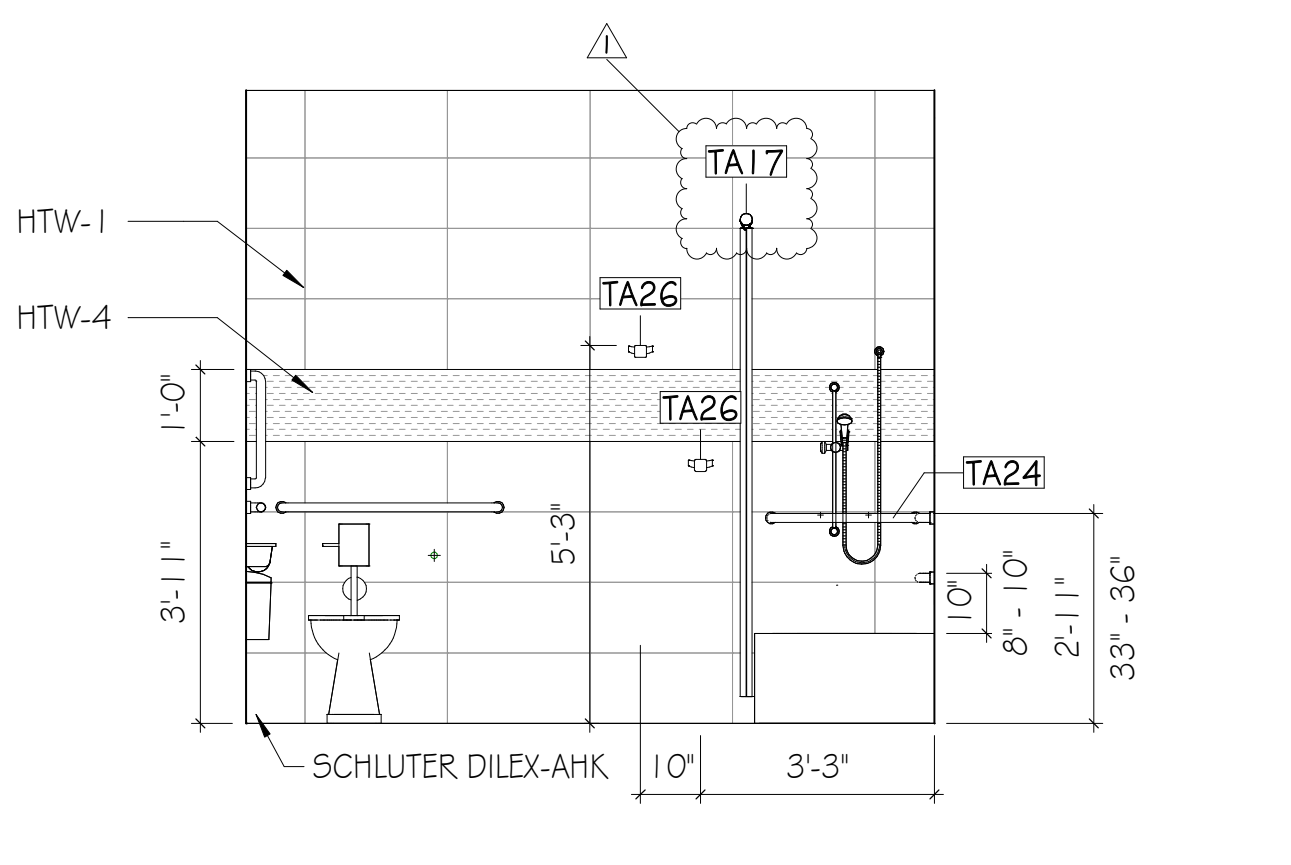
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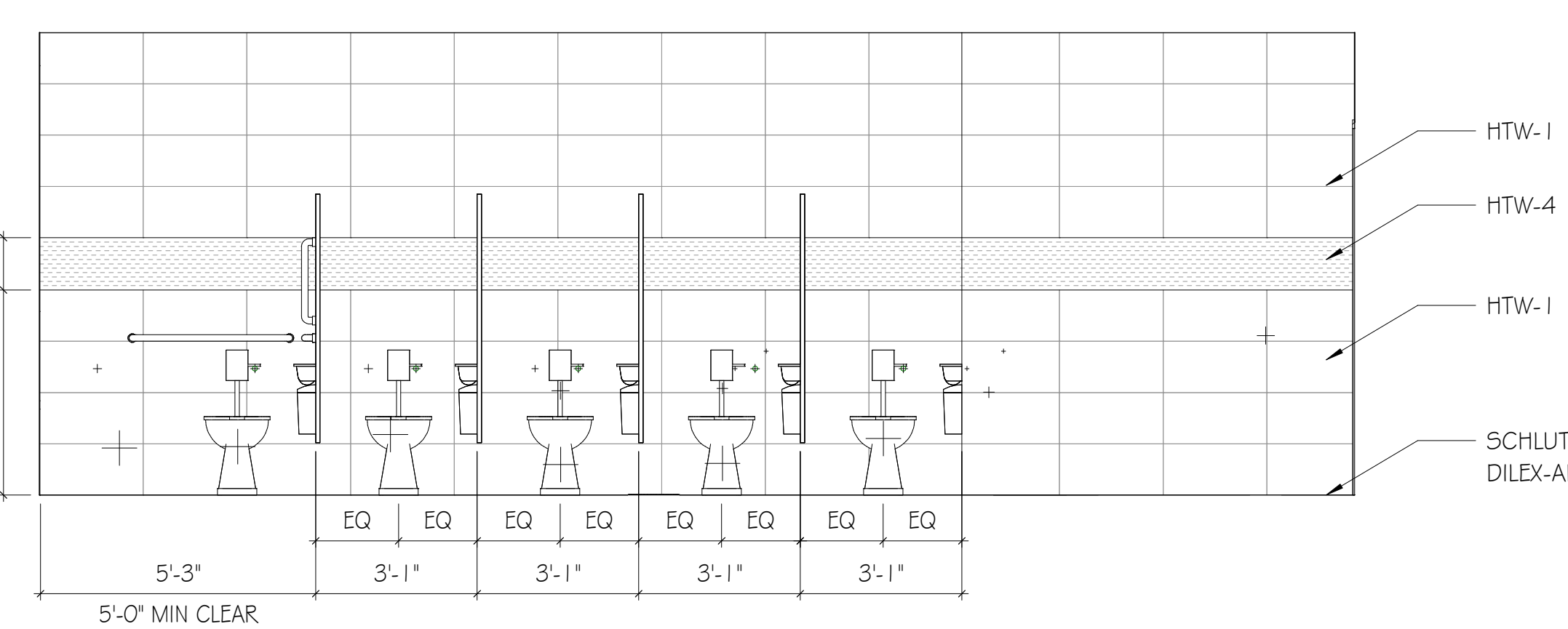
**F5 MEN 1203 / WOMEN 1204**  
 SCALE: 1/4" = 1'-0"



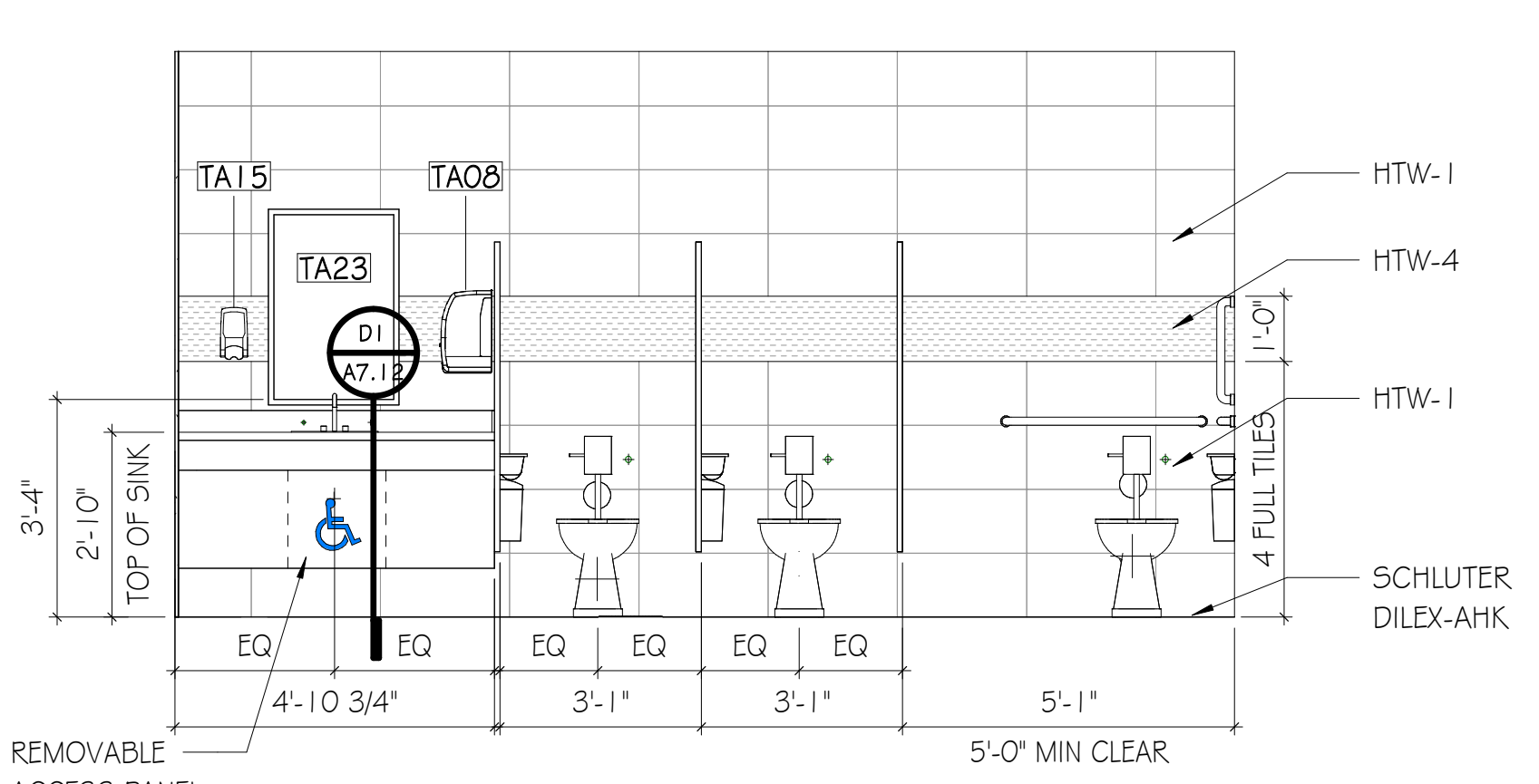
**F8 FAMILY RESTROOM 1071 - 1**  
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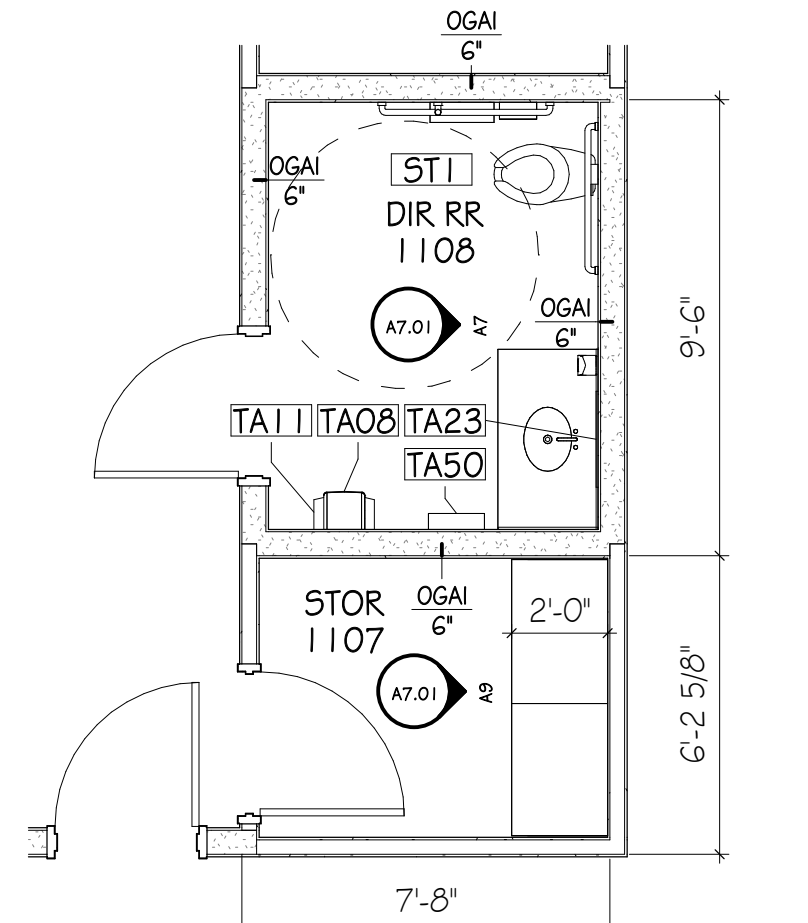
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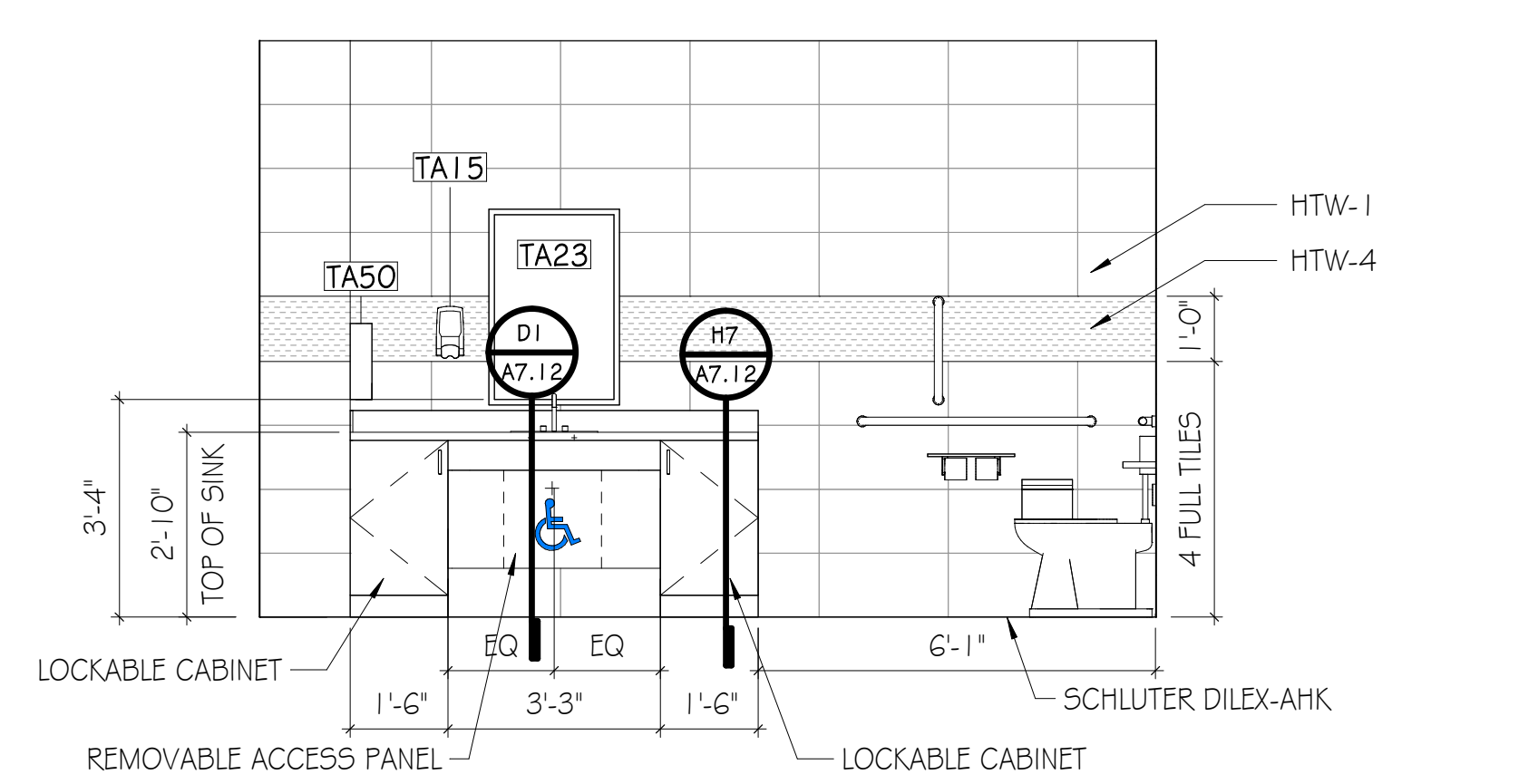
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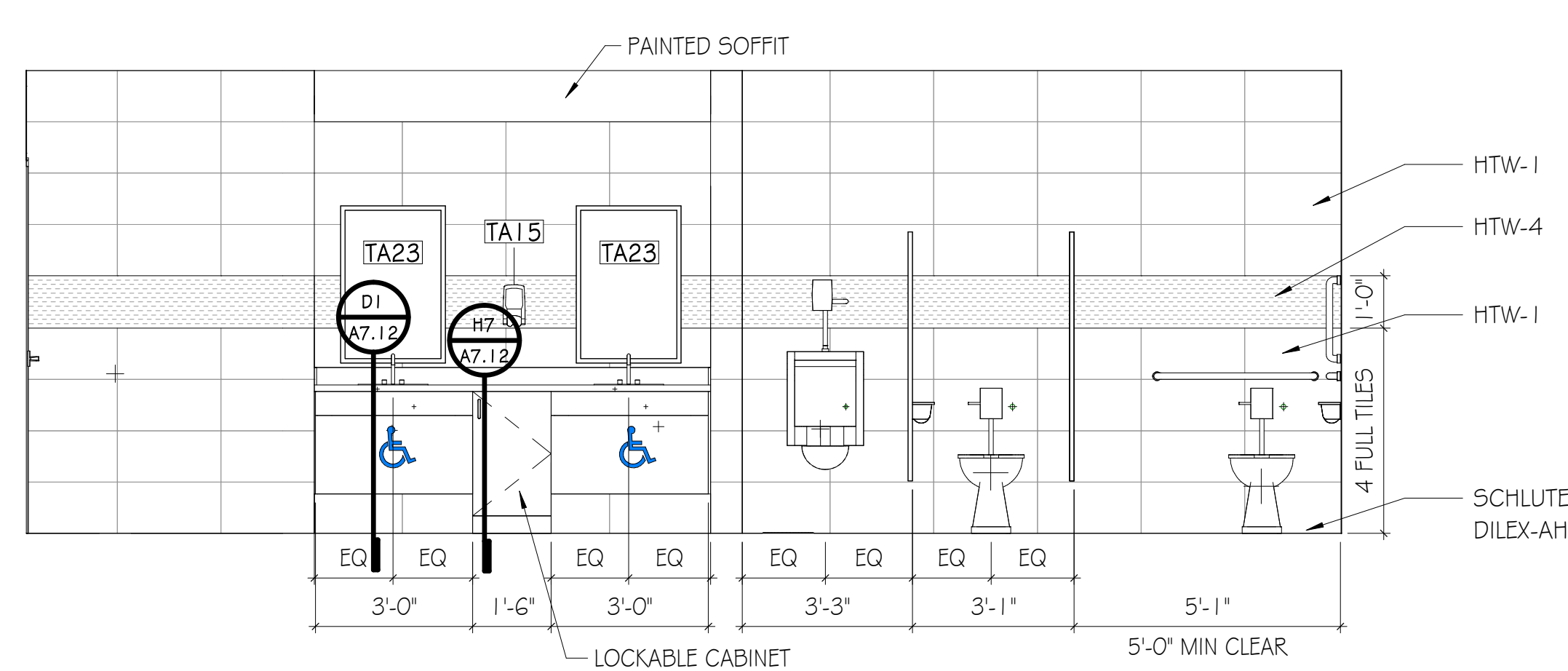
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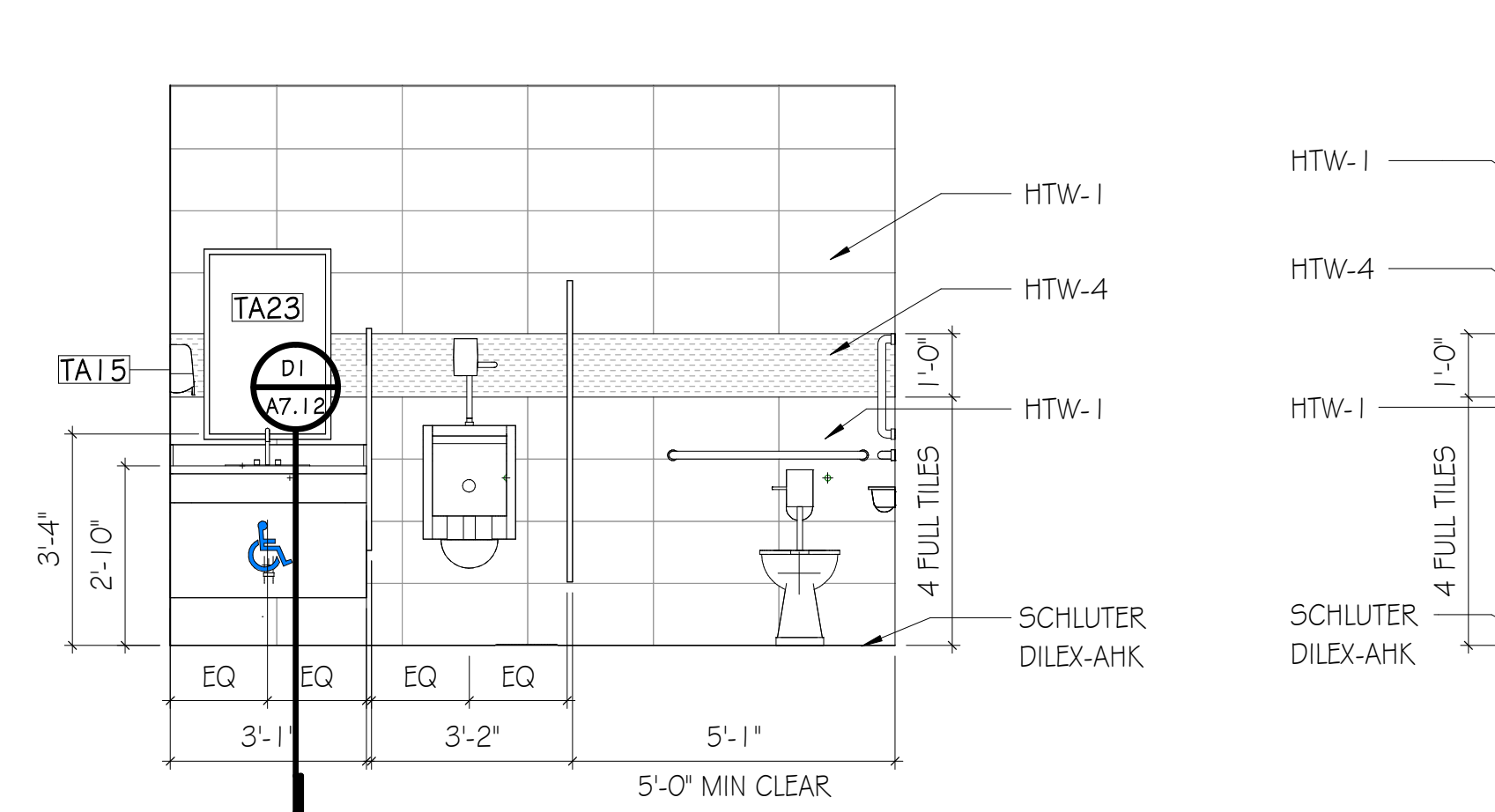
**C8 DIRECTORS RR 1108 / STORAGE 1107**  
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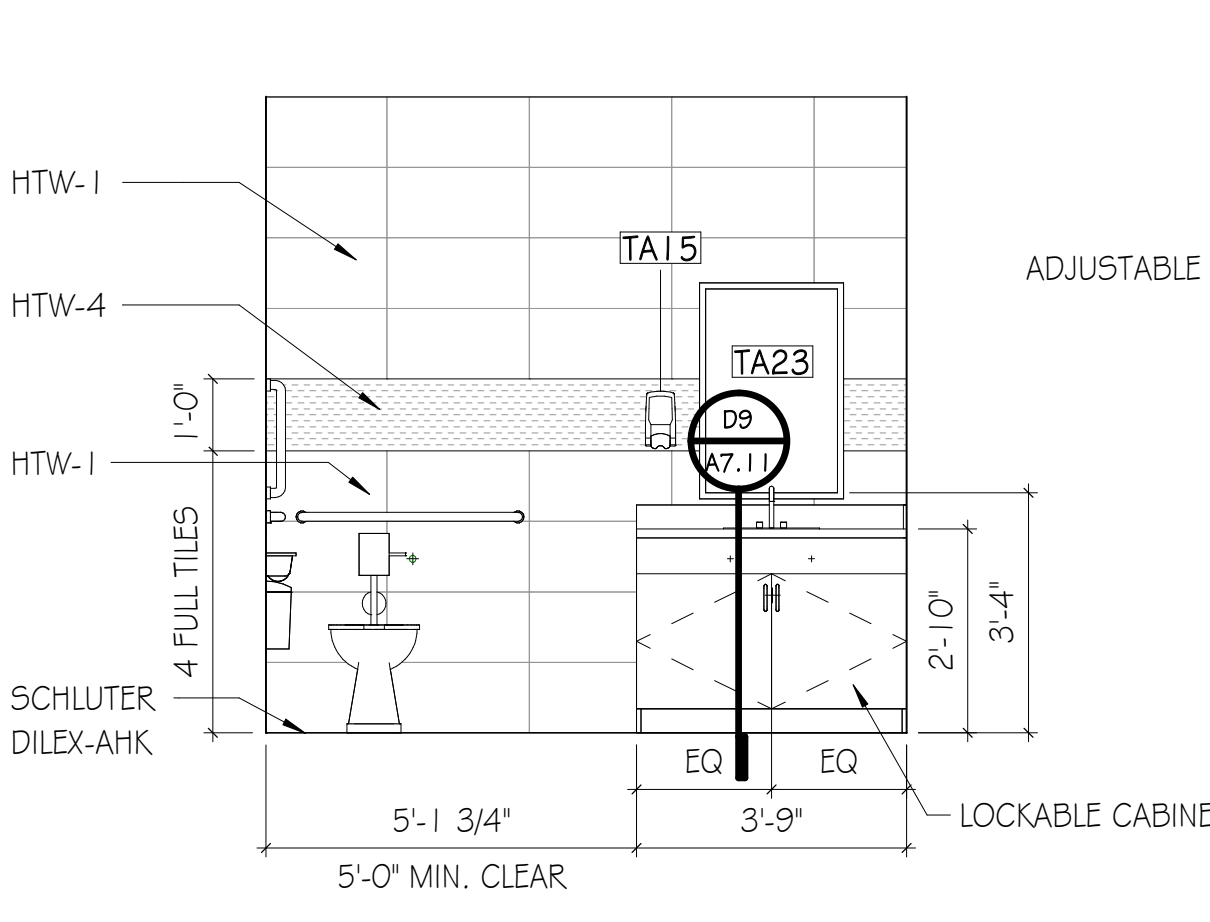
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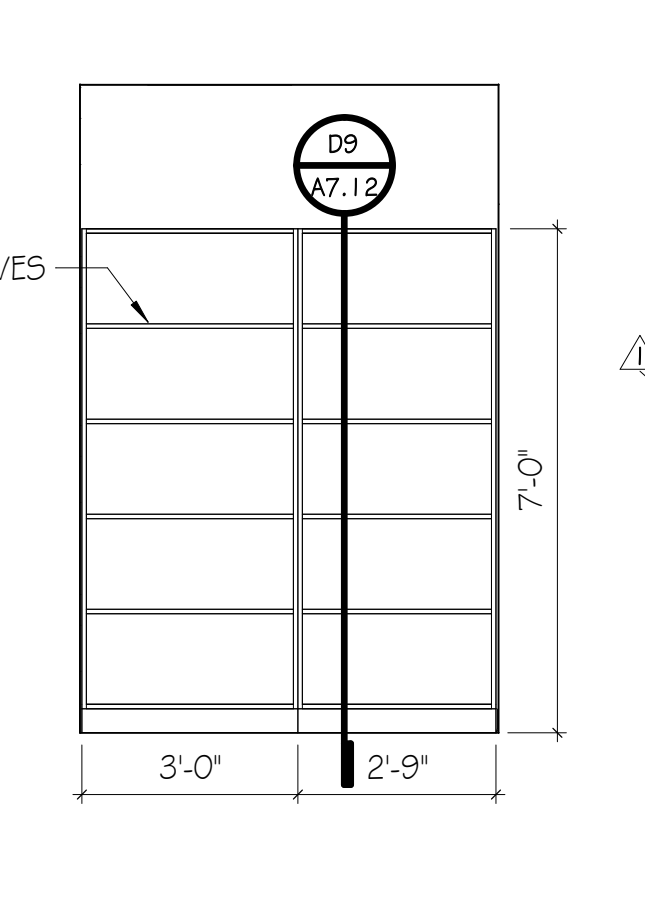
**A1 MEN 1209**  
 SCALE: 3/8" = 1'-0"



**A5 MEN 1203**  
 SCALE: 3/8" = 1'-0"



**A7 DIRECTORS RR 1108**  
 SCALE: 3/8" = 1'-0"



**A9 STORAGE 1107**  
 SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE		
ID	DESCRIPTION	CFCI / OFCI
TA01	DOUBLE TOILET TISSUE DISPENSER	CFCI
TA08	PAPER TOWEL DISP	OFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA15	SOAP DISPENSER, SURFACE-MOUNT	OFCI
TA17	SHOWER ROD & CURTAIN	CFCI
TA20	18" VERTICAL GRAB BAR	CFCI
TA21	36" HORIZONTAL GRAB BAR	CFCI
TA22	42" HORIZONTAL GRAB BAR	CFCI
TA23	FRAMED MIRROR	CFCI
TA24	24" HORIZONTAL GRAB BAR	CFCI
TA25	12" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK	CFCI
TA29	SANITARY NAPKIN RECEPTACLE	CFCI
TA50	ADA COMPLIANT HAND DRYER	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA60	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

**GMC**

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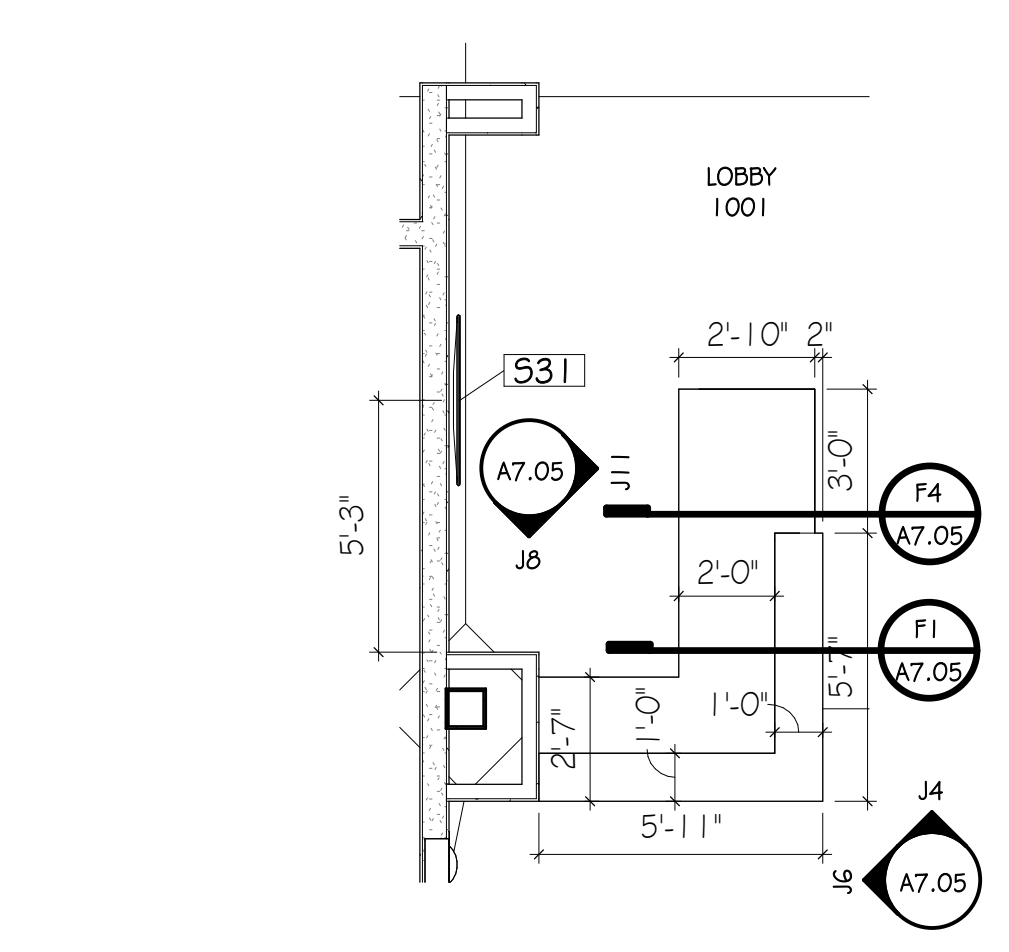
HOUSTON COUNTY DHR  
 172 Prevatt Rd  
 Dothan, Alabama 36301  
 GMC # ABHM250019

STATE OF ALABAMA  
 REGISTERED ARCHITECT  
 6544

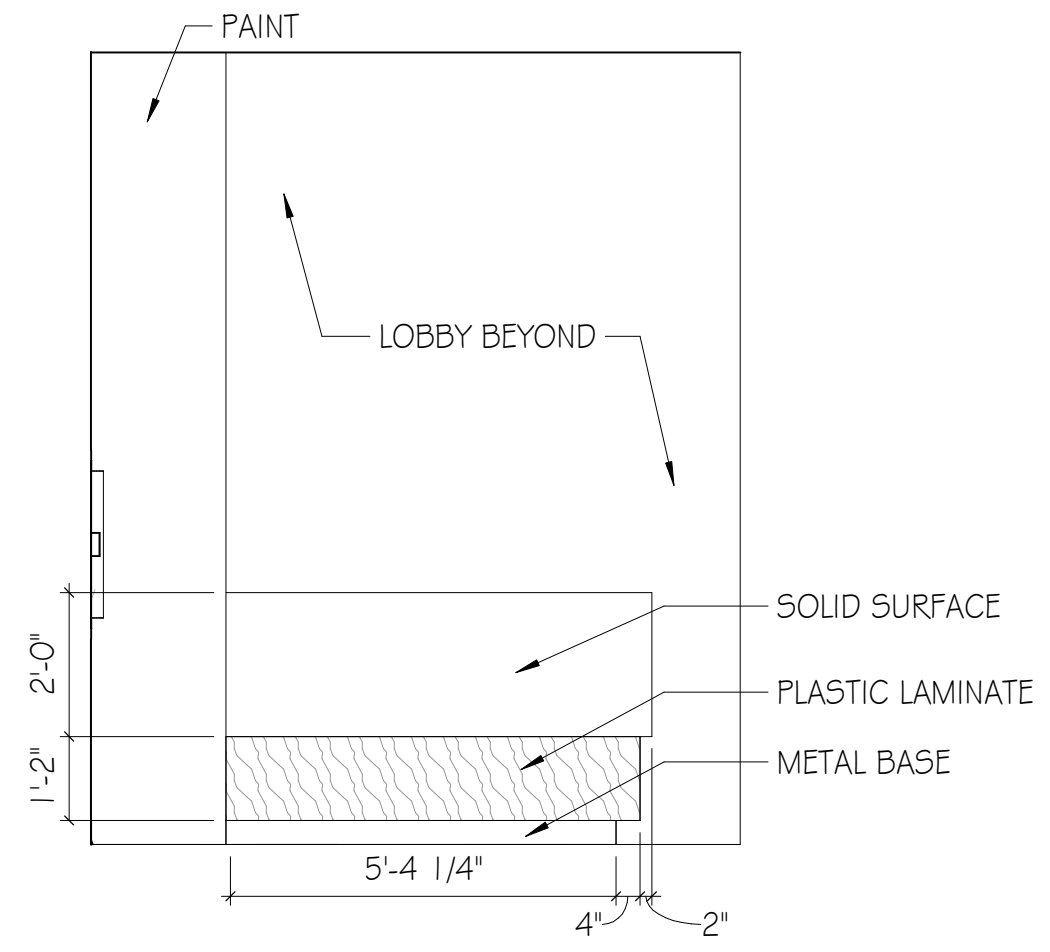
INTERIOR ELEVATIONS  
**A7.01**  
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ISSUE	DATE
ISSUE FOR BID	04/27/2026
AD 02	2026.06.04

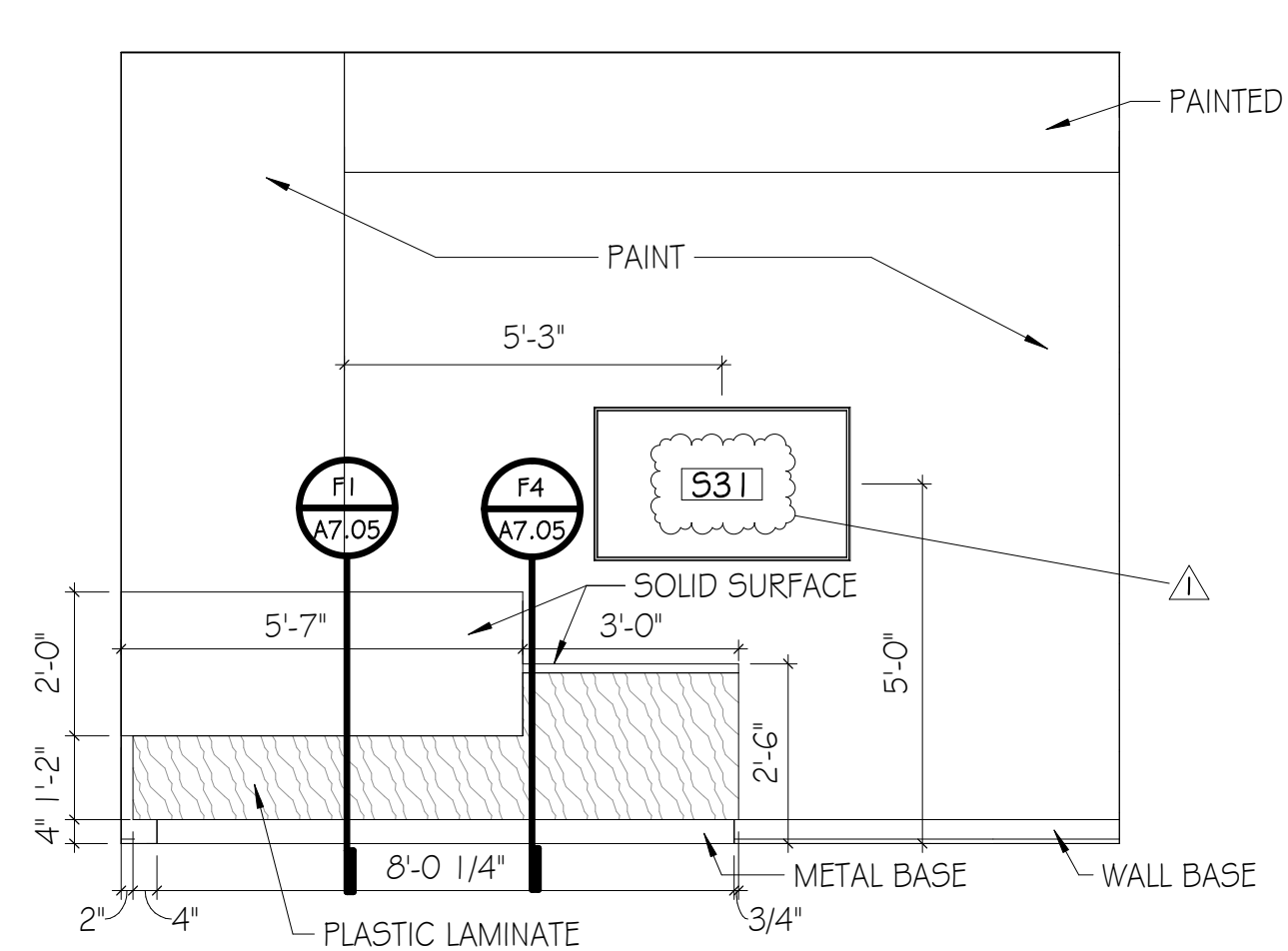
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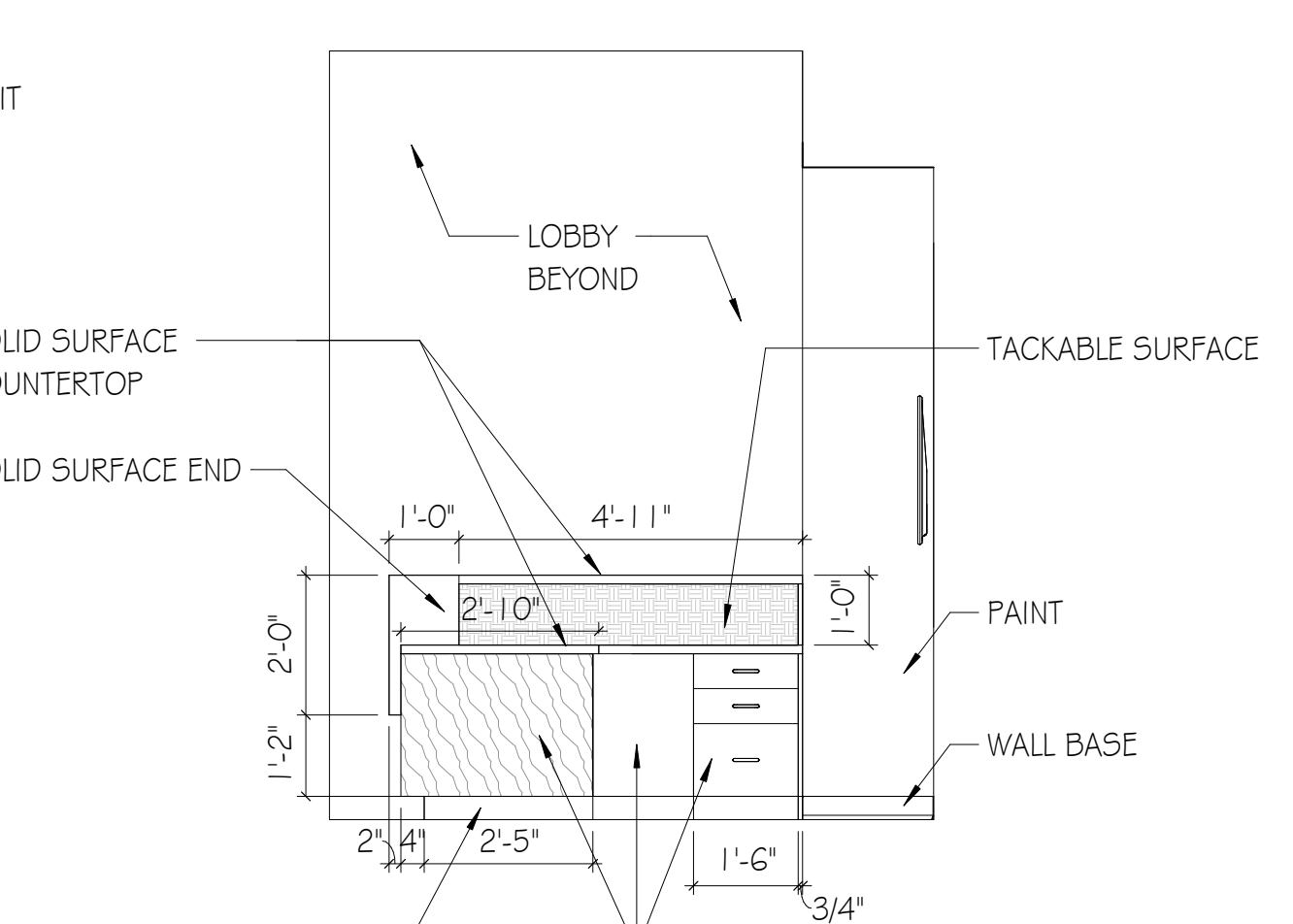
**J1 RECEPTION DESK ENLARGED PLAN**  
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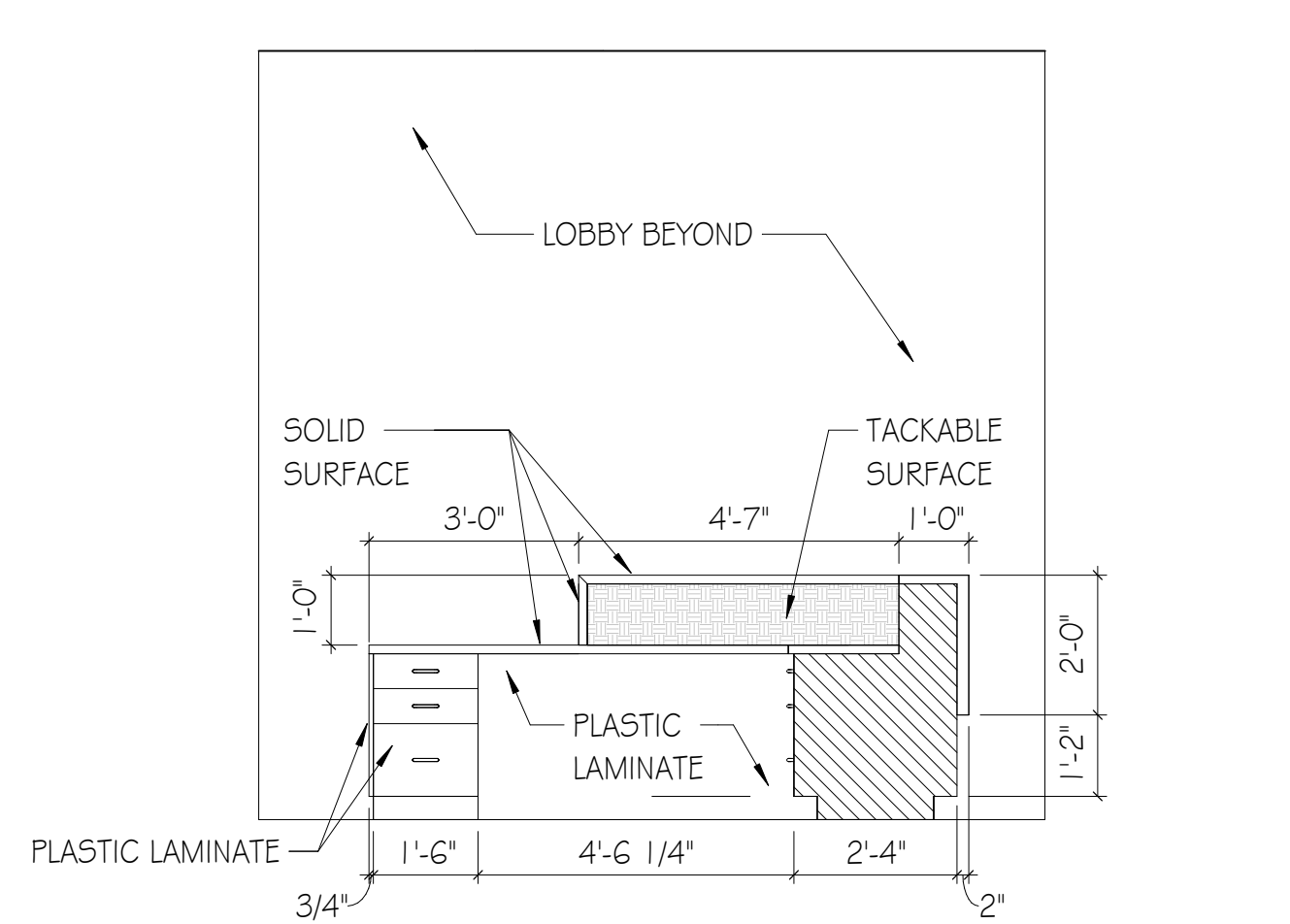
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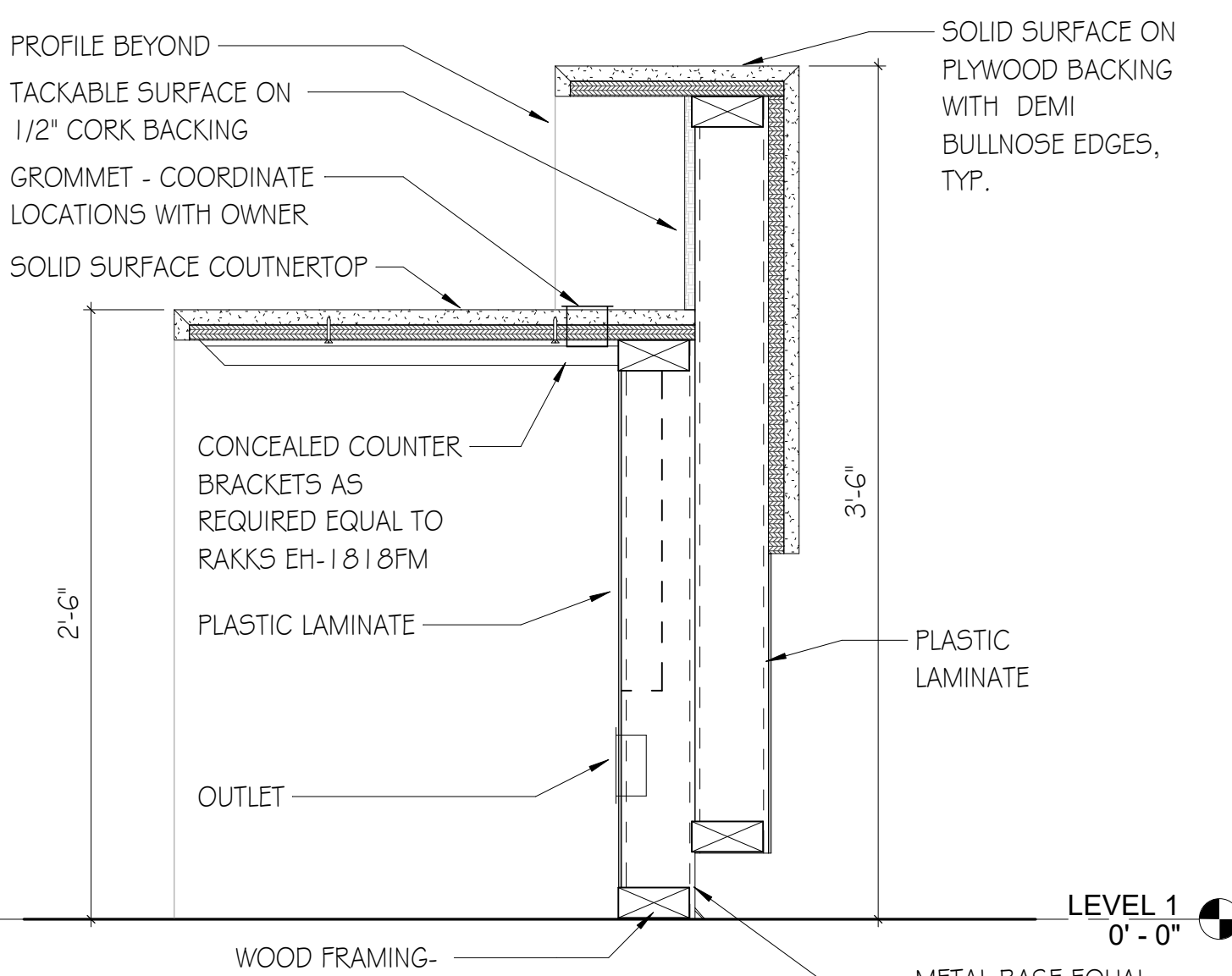
**J6 RECEPTION DESK - 2**  
SCALE: 3/8"=1'-0"



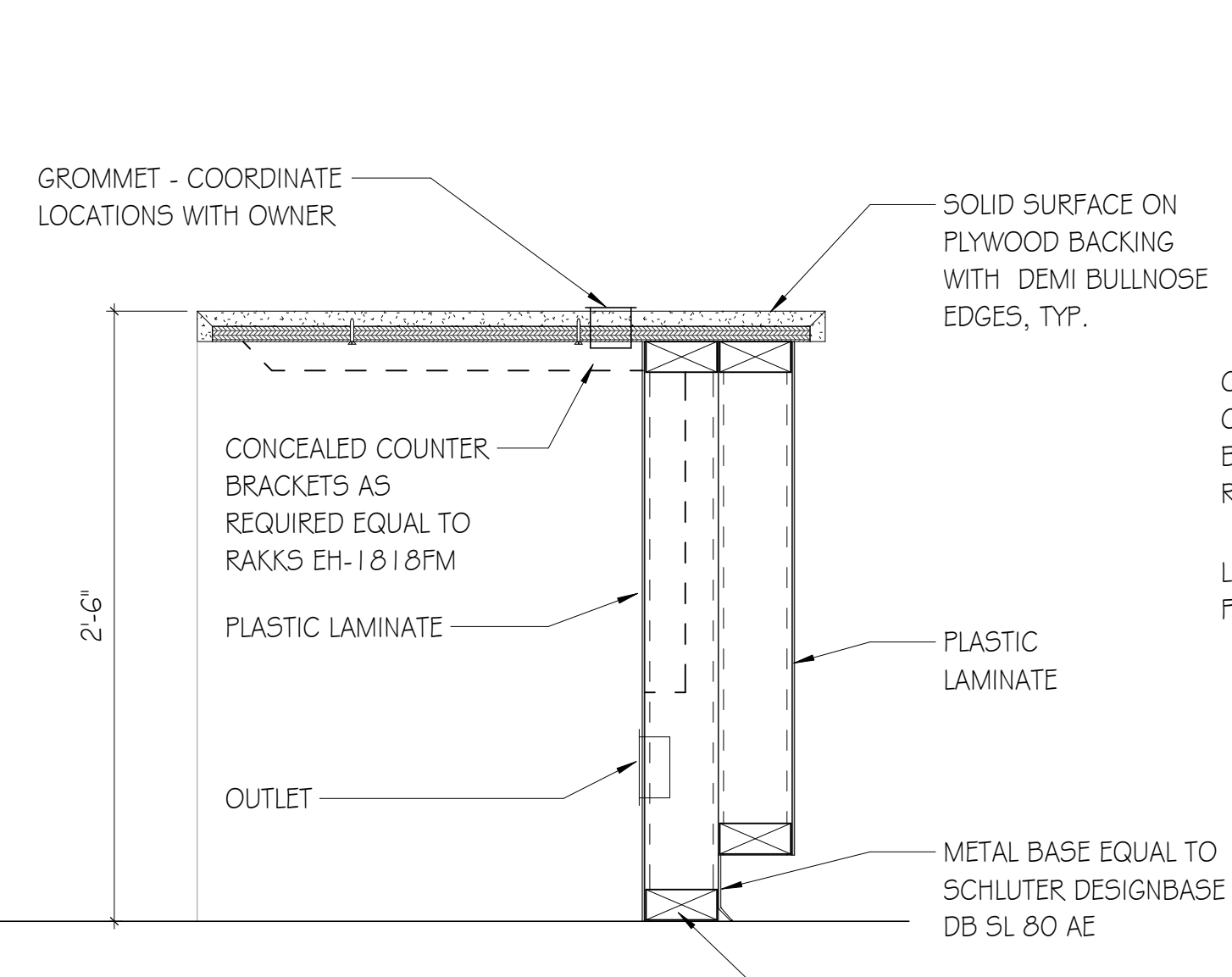
**J8 RECEPTION DESK - 3**  
SCALE: 3/8"=1'-0"



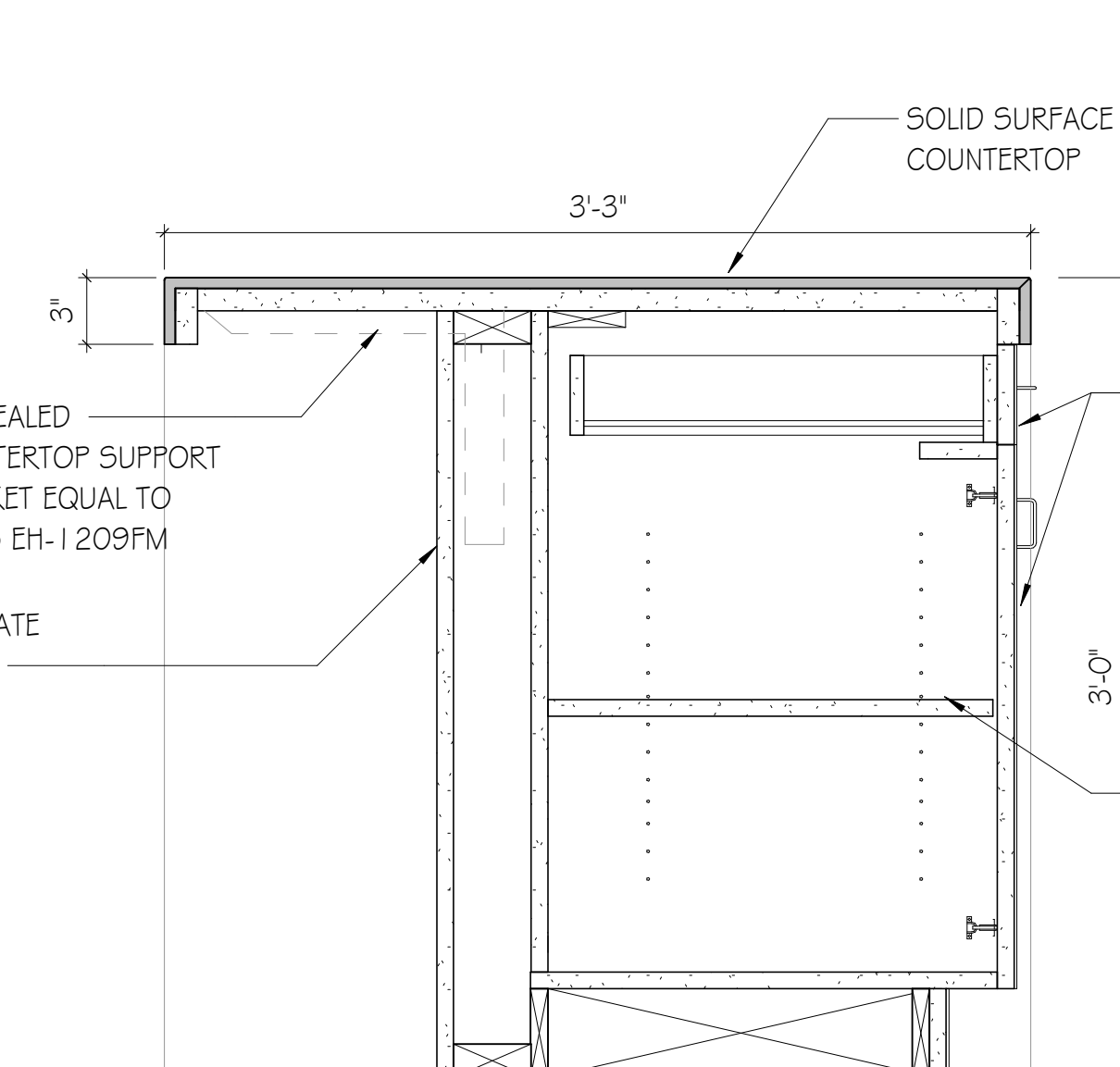
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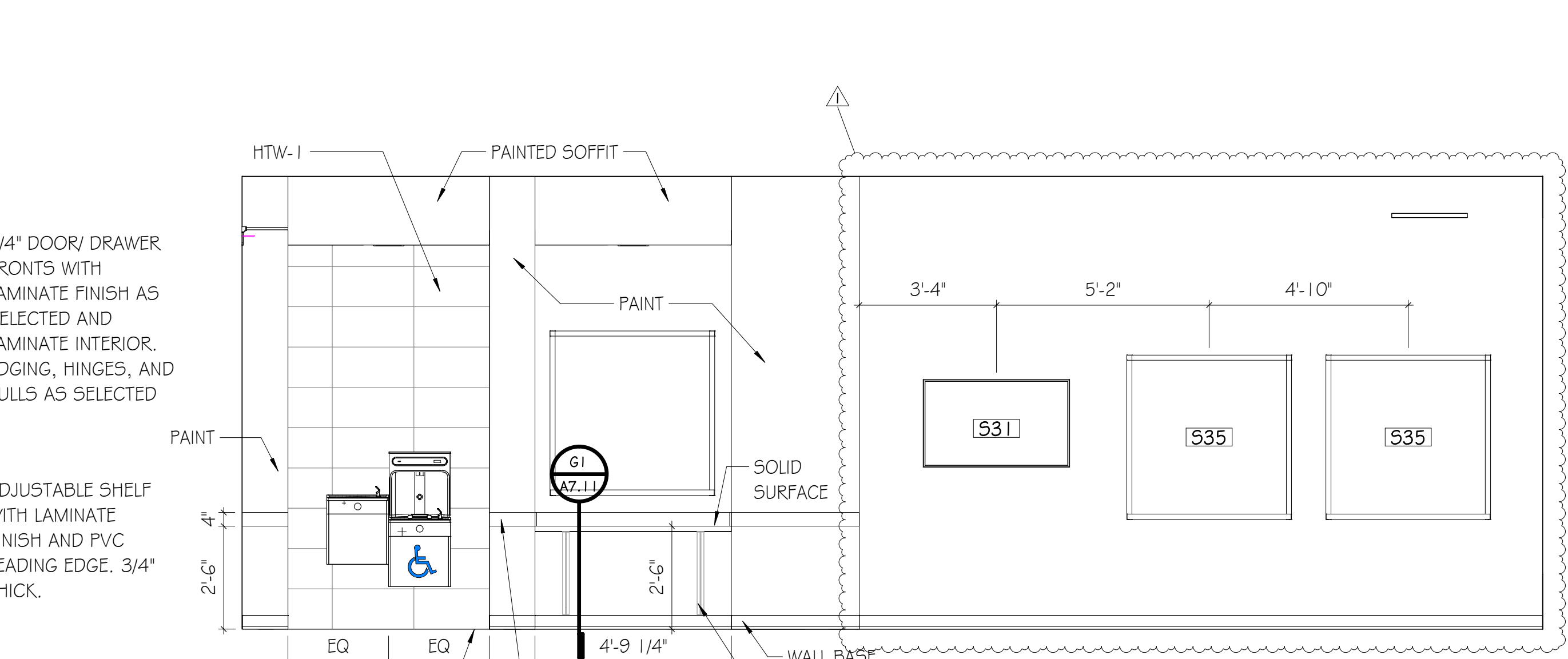
**F1 RECEPTION DESK - TRANSACTION**  
SCALE: 1 1/2"=1'-0"



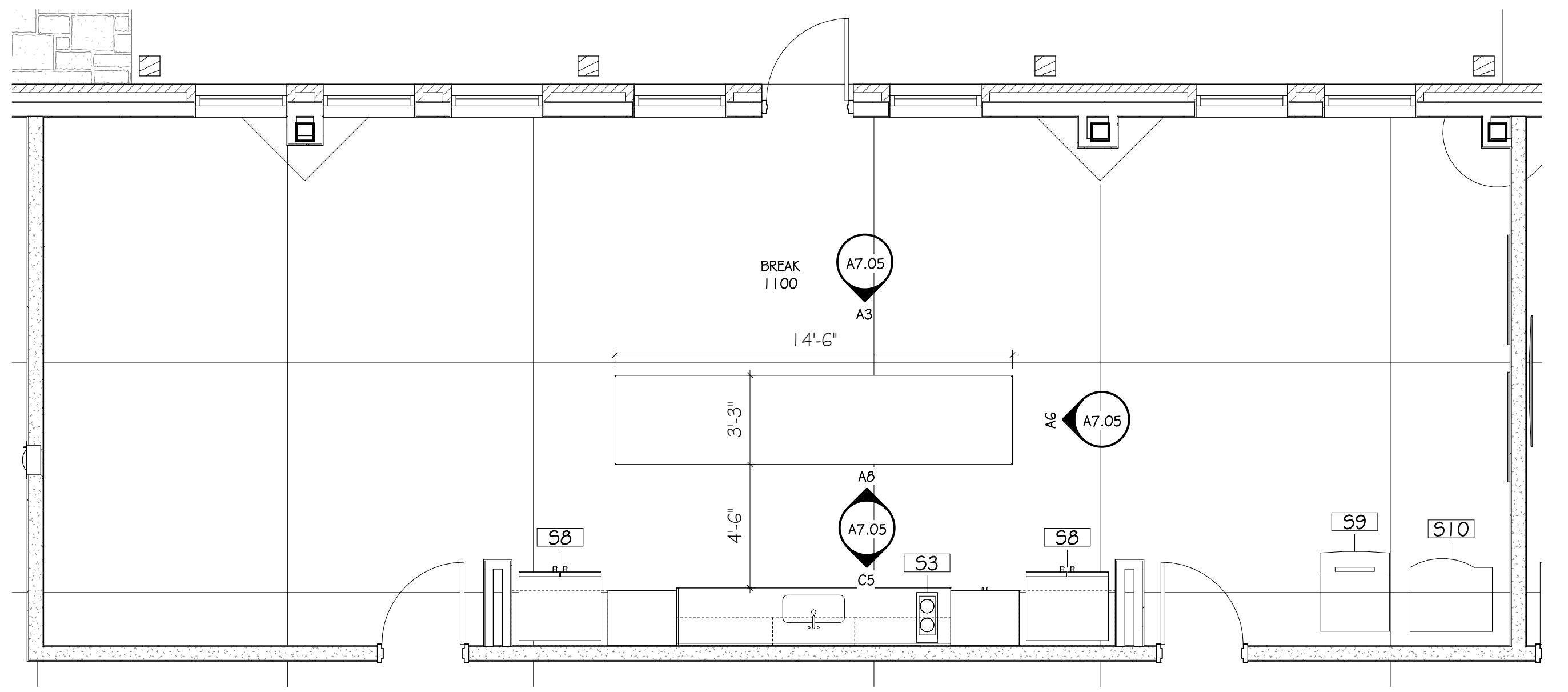
**F4 RECEPTION DESK - ADA HEIGHT**  
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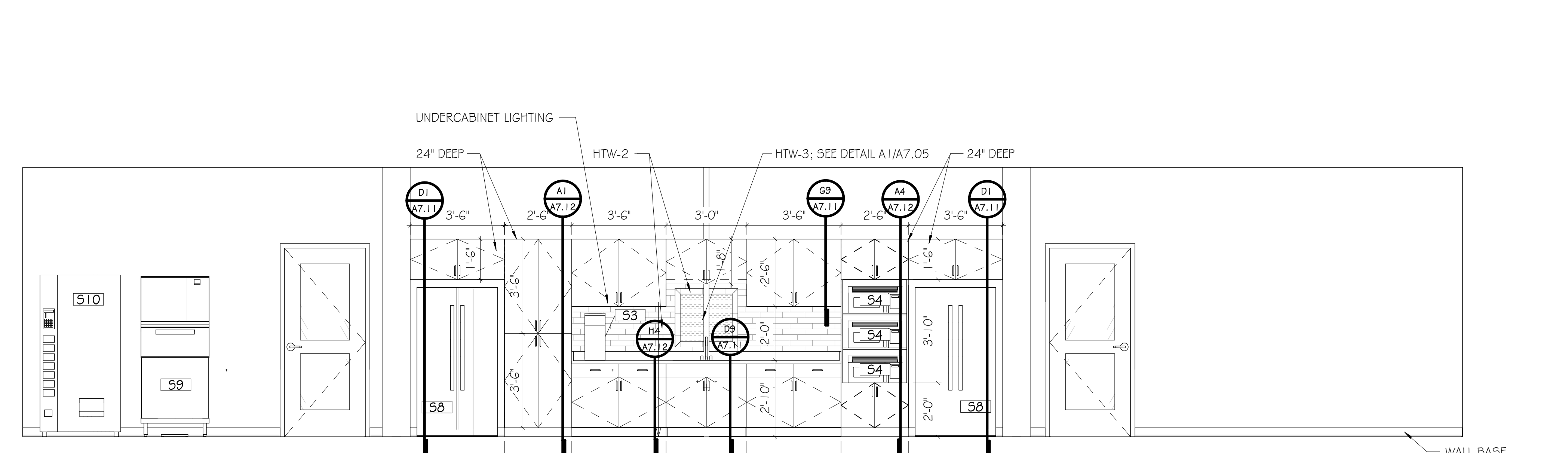
**F7 ISLAND SECTION**  
SCALE: 1 1/2"=1'-0"



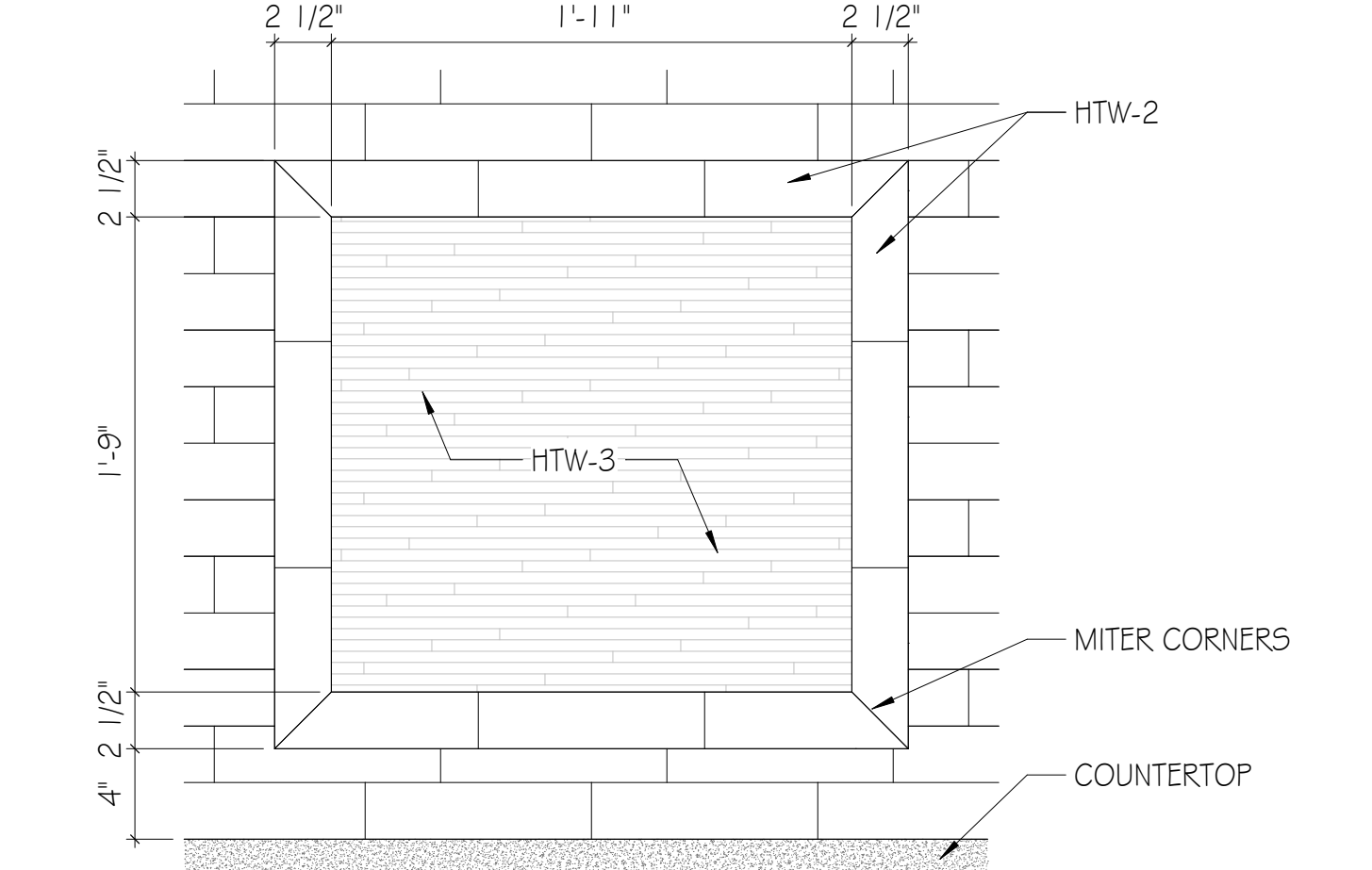
**F11 LOBBY**  
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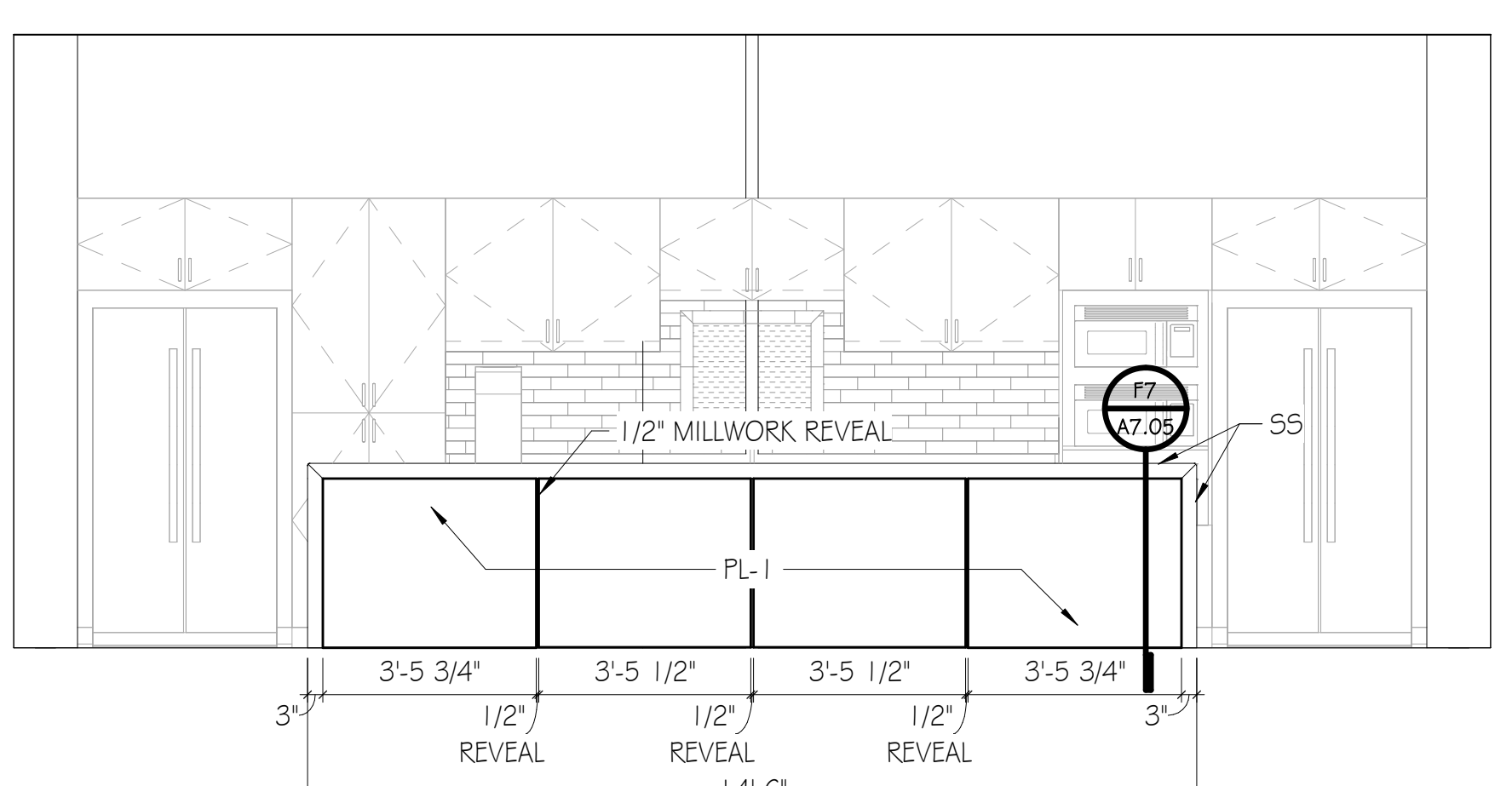
**C1 FLOOR PLANS - LEVEL 1 - Callout 1**  
SCALE: 1/4"=1'-0"



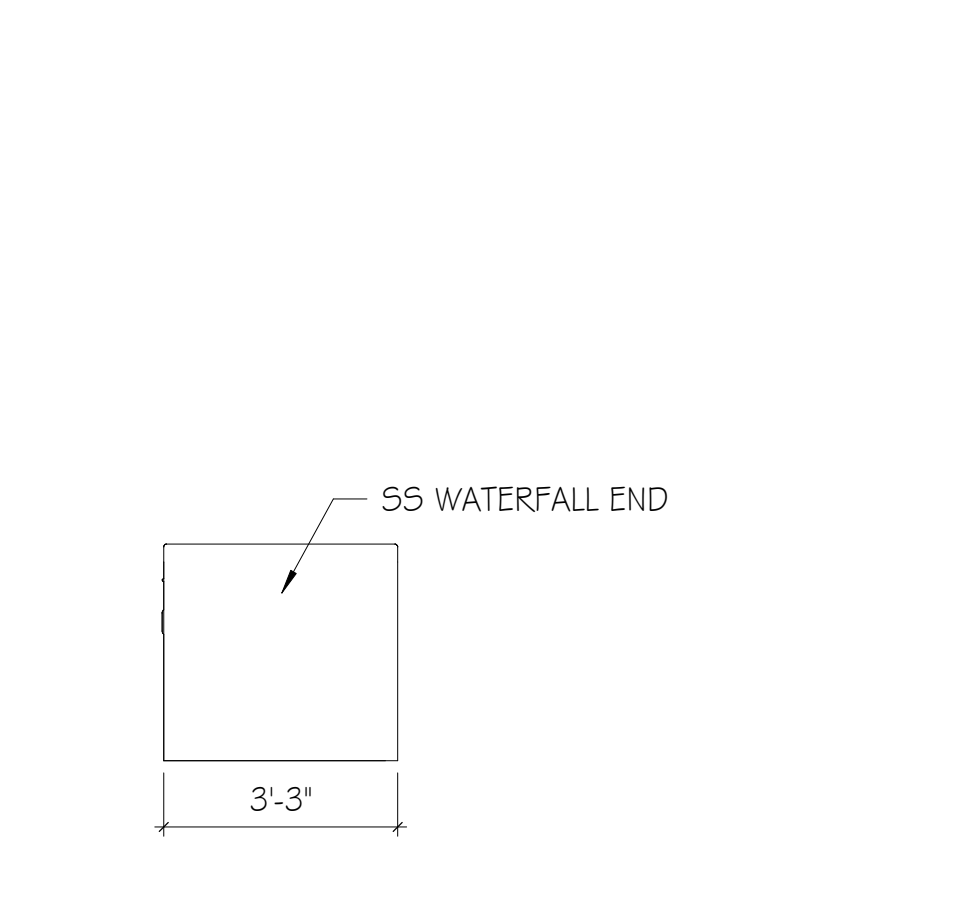
**C5 BREAKROOM 1102 - 1**  
SCALE: 3/8"=1'-0"



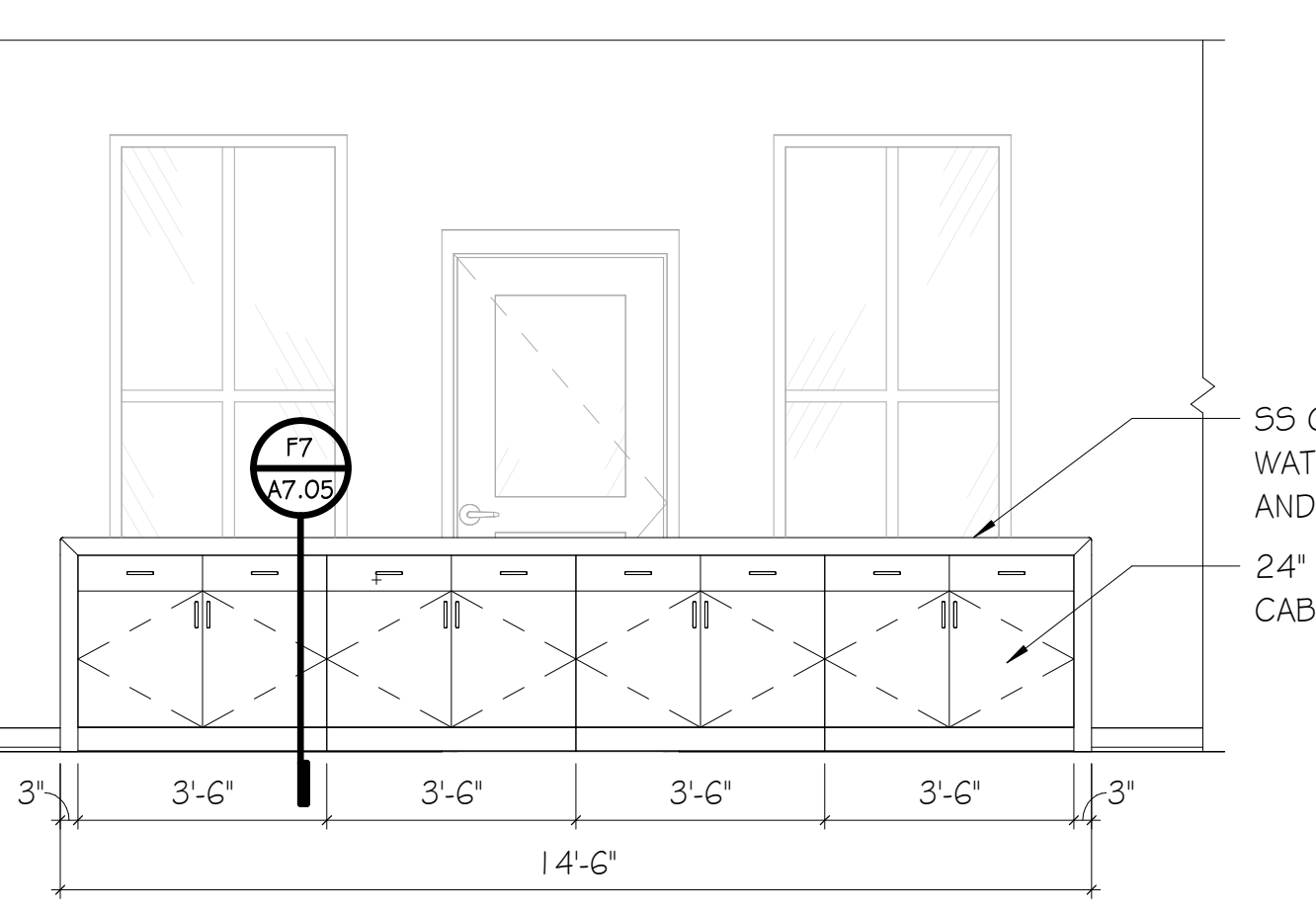
**A1 TILE BACKSPLASH DETAIL**  
SCALE: 1 1/2"=1'-0"



**A3 BREAKROOM 1102 - 2**  
SCALE: 3/8"=1'-0"

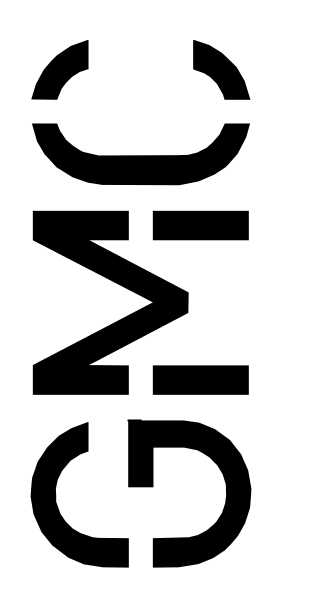


**A6 BREAKROOM 1102 - 3**  
SCALE: 3/8"=1'-0"



**A8 BREAKROOM 1102 - 4**  
SCALE: 3/8"=1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
ID	DESCRIPTION	OF/CI / C/CI
51	RESIDENTIAL WASHER	C/CI
52	RESIDENTIAL DRYER	C/CI
53	COFFEE MAKER - BY OWNER	OF/CI
54	MICROWAVE	C/CI
58	REFRIGERATOR/FREEZER - SIDE BY SIDE	C/CI
59	ICE MAKER - COORDINATE PLUMBING & ELEC	C/CI
S10	VENDING MACHINE - COORDINATE ELEC	OF/CI
S31	TV 46" - WALL MOUNTED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	C/CI
S32	TV 65" - WALL MOUNTED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	C/CI
S33	TV 65" - WALL MOUNTED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	C/CI
S34	MARKER BOARD - 8' W X 4' H	C/CI
S35	GLASS ENCLOSED TACK BOARD - 4' W X 4' H	C/CI
WB-1	WINDOW COVERINGS - MANUAL 2" FAUX WOOD BLIND	C/CI



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GMC # ABHM250019

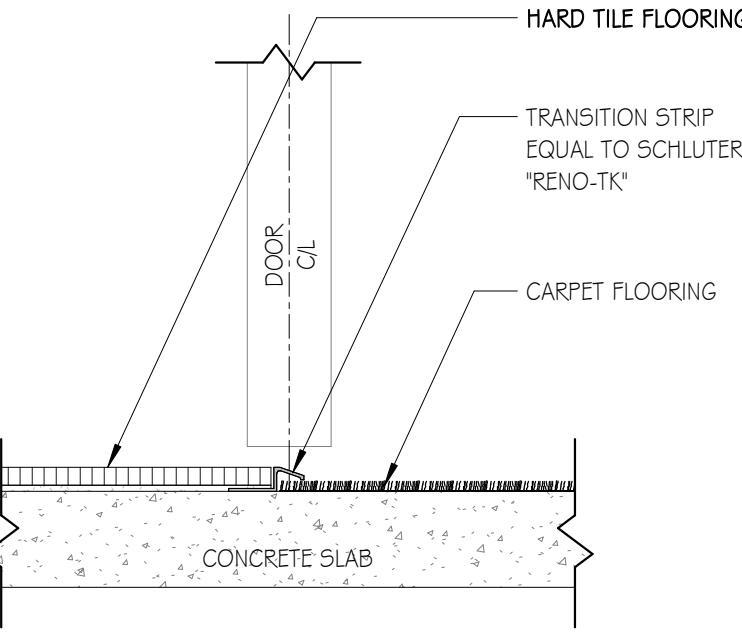


INTERIOR ELEVATIONS  
**A7.05**  
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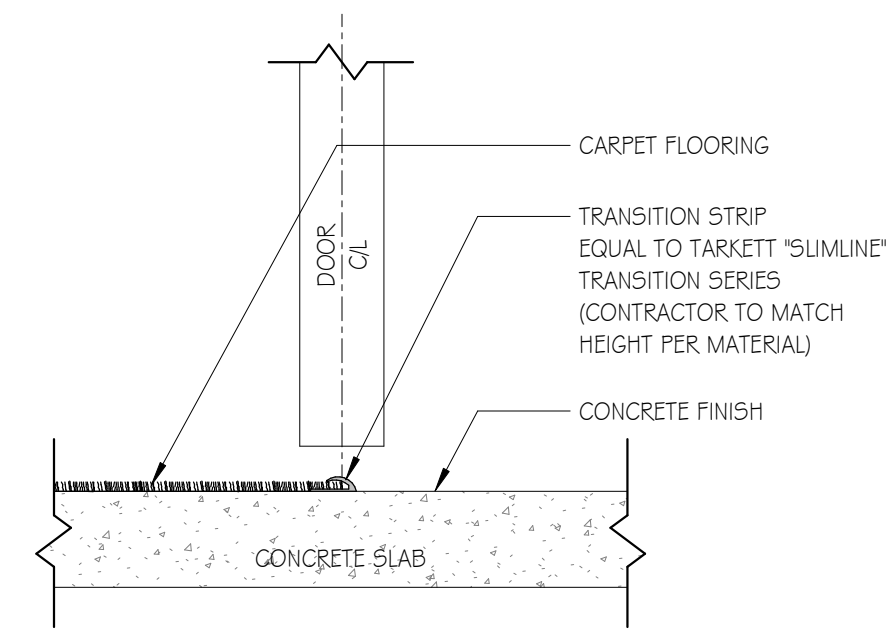
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**FINISH NOTES**

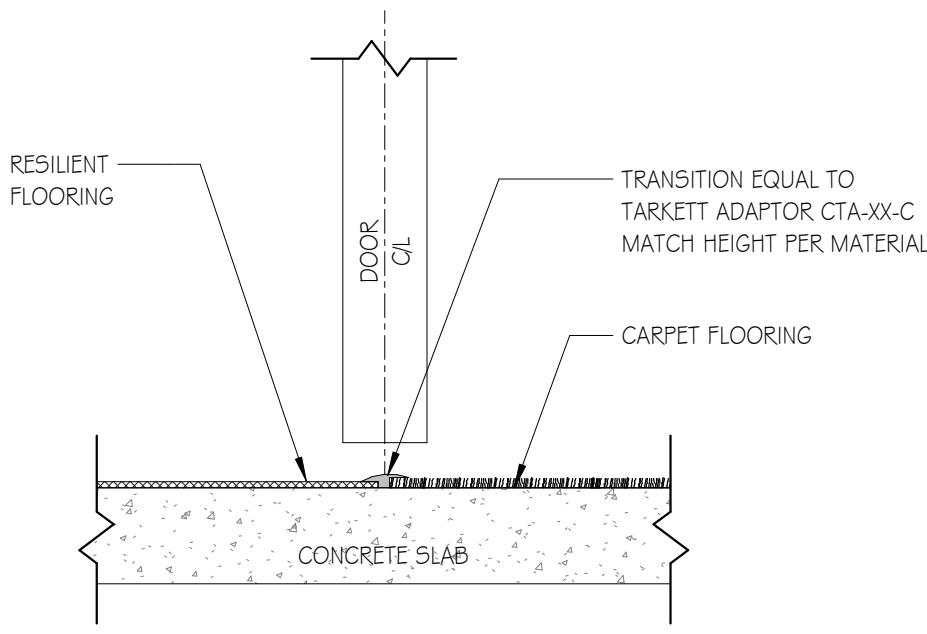
FLOORS:	WALLS:	MISC:	RCP NOTES:
<p>- REFER TO FLOOR FINISH PLANS FOR FLOOR PATTERN. CONTRACTOR TO NOTIFY INTERIOR DESIGNER BEFORE INSTALLATION OF FLOORING TO REVIEW DESIGN INTENT OF FLOOR PATTERN PLAN</p> <p>- ALL FLOORING TRANSITIONS INCLUDING TRANSITIONS TO SIMILAR MATERIAL OR REDUCER STRIPS AND OTHER THRESHOLDS TO DISSIMILAR MATERIAL SHALL BE LOCATED AT THE CENTERLINE OF DOOR WHEN IN CLOSED POSITION. COLORS SHALL BE SELECTED IN CA. REFER TO DETAILS FOR TRANSITIONS BETWEEN FLOORING MATERIAL. CONTRACTOR TO PROVIDE TRANSITION SIZES APPROPRIATE FOR THICKNESS</p> <p>- FLOORING MATERIALS ARE TO BE INSTALLED IN MANNER TO AVOID ALL SLIVER CUTS LESS THAN 4" WIDE @ WALL PERIMETERS &amp; MATERIAL TRANSITIONS. CONTACT DESIGNER IF JOBSITE CONDITIONS DIFFER.</p> <p>- INSTALL FLOORING UNDER ALL CASEWORK, MILLWORK, EQUIPMENT, &amp; FURNITURE</p> <p>- ALIGN VERTICAL GROUT LINES OF TILE BASE TO THOSE IN THE FLOOR TILE UNLESS NOTED OTHERWISE</p>	<p>- REFER TO FINISH PLANS &amp; ELEVATIONS FOR LOCATION OF ACCENT PAINT COLORS</p> <p>- ALL HOLLOW METAL DOOR &amp; WINDOW FRAMES TO BE PAINTED (PNT-2) UNLESS OTHERWISE NOTED</p> <p>- ALL ACCESS PANELS AND MISCELLANEOUS METAL (RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC.) LOCATED ON WALL SURFACES OR CEILING SURFACES TO BE PAINTED WALL OR CEILING COLOR U.N.O.</p> <p>- WALL BASE TO BE INSTALLED ON ALL WALLS, U.N.O. RESTROOMS U.N.O.</p> <p>- INSTALL FINISH STRIP EQUAL TO SCHLUTER "JOLLY" AT ALL EXPOSED TILE EDGES &amp; SCHLUTER "QUADEC" AT CORNERS.</p> <p>- INSTALL COVE TRANSITION EQUAL TO SCHLUTER DILEX-AHK AT ALL TILE FLOOR TO TILE BASE/WALL CONDITIONS</p> <p>- INSTALL 3MM EDGE BAND ON ALL PLASTIC LAMINATE COUNTERTOPS AND CABINETS.</p> <p>- ALL WINDOWS TO HAVE SOLID SURFACE (SS-4) SILL U.N.O.</p> <p>- GROMMET LOCATIONS TO BE COORDINATED WITH OWNER</p> <p>- FIELD VERIFY ALL DIMENSIONS FOR MILLWORK PRIOR TO FABRICATION &amp; INSTALLATION</p> <p>- ALL EXPOSED ENDS AND EXPOSED INTERIORS OF MILLWORK TO RECEIVE MATCHING LAMINATES</p> <p>- ALL CABINETS IN RESTROOMS TO BE LOCKABLE</p>	<p>- DOOR LABELS ON RATED DOORS ARE TO REMAIN UNPAINTED</p> <p>- PROVIDE BLOCKING AS REQUIRED AT ALL TELEVISION LOCATIONS - COORDINATE WITH OWNER'S EQUIPMENT</p> <p>- PROVIDE BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS</p> <p>- REFER TO RCP FOR ACCENT PAINT COLOR LOCATIONS IN CEILING - WHERE CEILING ARE CALLED OUT TO BE PAINTED, BOTH CEILING AND SOFFIT/BULKHEAD WALLS ARE TO BE PAINTED ACCENT COLOR</p> <p>- BUNDS ARE TAGGED ON THE RCP</p> <p>- NON ADA TOILET FIXTURES TO BE CENTERED IN STALL</p> <p>- WALL TILE TO BE INSTALLED TO CEILING ON ALL WALLS</p> <p>- CAULK ALL DOOR FRAMES, MILLWORK, AND VIEW WINDOW FRAMES AFTER WALLCOVERING INSTALLATION IS COMPLETE. COLOR OF CAULK TO MATCH ADJACENT FINISH.</p> <p>- ALL PARTIES RESPONSIBLE FOR DELIVERING FINISHES TO THE SITE SHALL CHECK AVAILABILITY OF QUANTITIES AND DELIVERY DATES AS SOON AS BID IS AWARDED</p>	<p>- ALL SPRINKLER HEADS IN FINISHED CEILINGS ALL SHALL BE CENTERED IN CEILING TILE. SPRINKLER HEADS SHALL NOT BE PAINTED.</p> <p>- INTERIOR CEILING HEIGHTS AS INDICATED ON THE REFLECTED CEILING PLANS.</p> <p>- WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER ABOUT DOOR, BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.</p> <p>- IN EXPOSED CEILINGS (EXP-2) ALL EXPOSED ELEMENTS NOT LIMITED TO TRUSS SYSTEM, ACOUSTICAL DECK, DUCTWORK, CONDUIT, AND PIPING TO BE PAINTED</p> <p>- ALL GYP CEILINGS TO BE PAINTED (PNT-3) UNLESS OTHERWISE NOTED IN RCP</p> <p>- DO NOT INSTALL CEILING TILE LESS THAN 6" IN ANY DIRECTION - WHEN POSSIBLE CENTER TILE IN ROOM.</p> <p>- PROVIDE 6% IN 2' X 4' SIZE FOR EACH TYPE OF CEILING TILE TO REMOVE SLIVER TILES FROM CEILINGS WHERE NECESSARY</p>



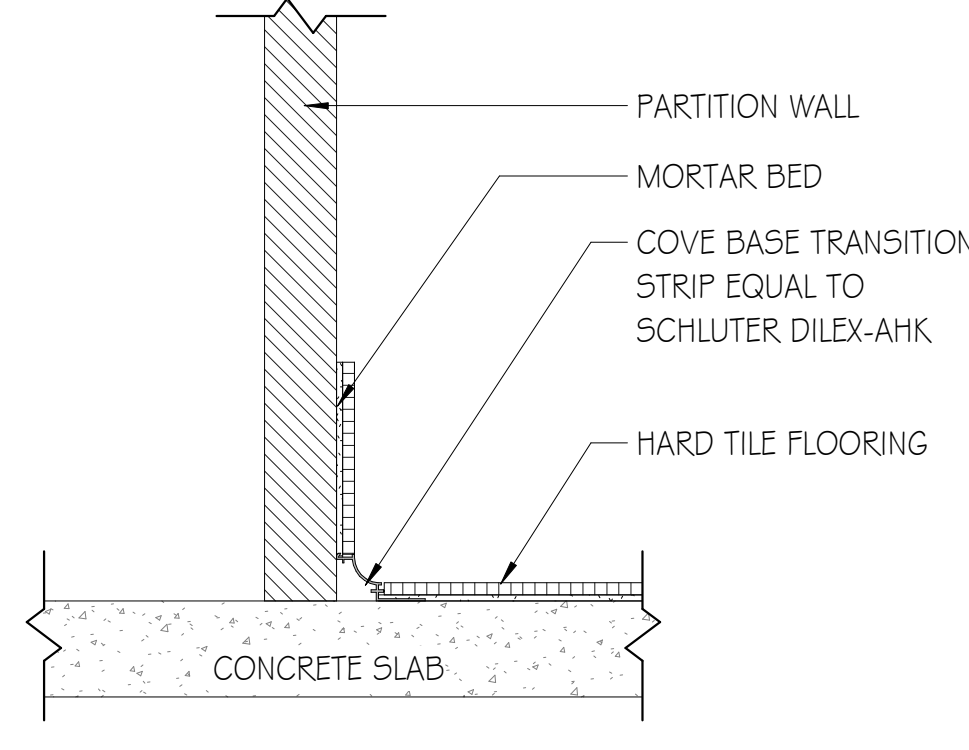
**E1 HARD TILE TO CARPET**  
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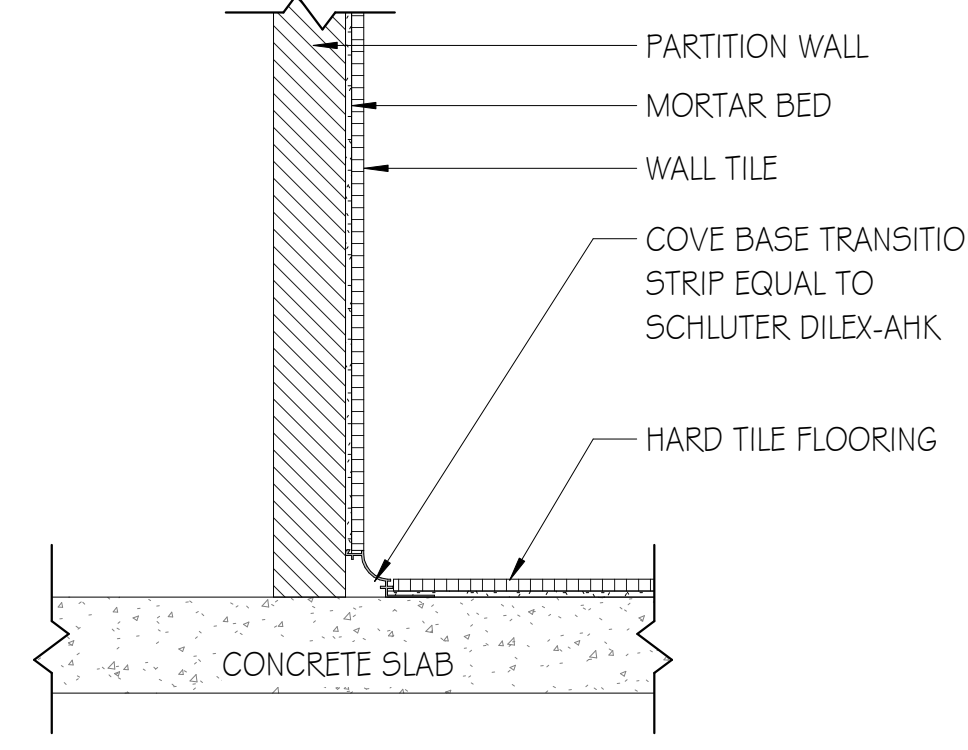
**E2 CARPET TO CONCRETE**  
SCALE: 3"=1'-0"



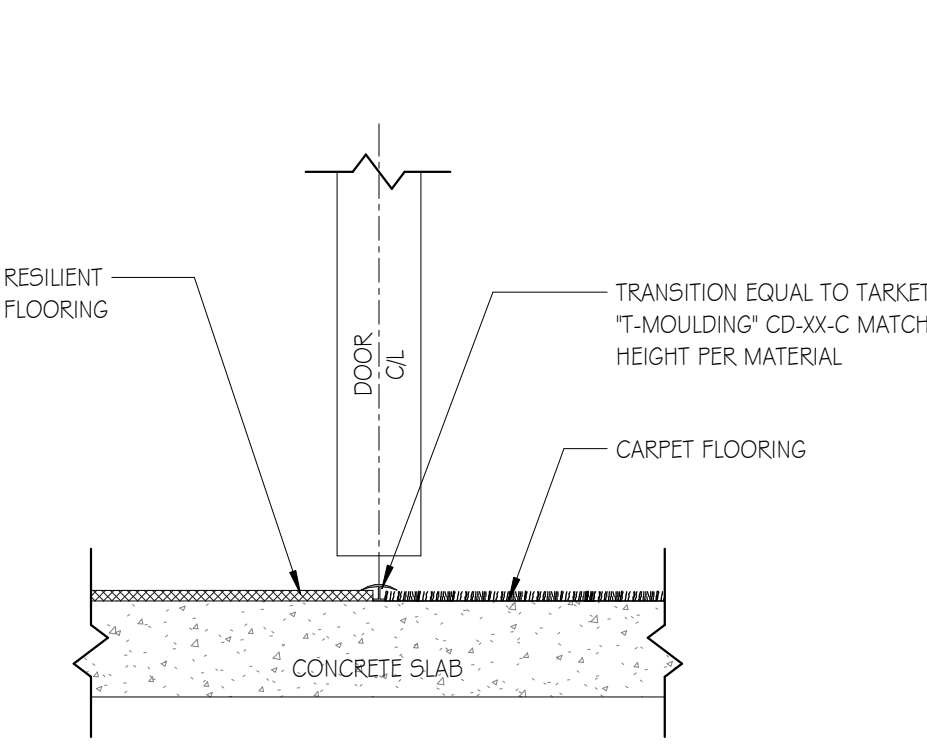
**E5 4.5 MM LVT TO CARPET**  
SCALE: 3"=1'-0"



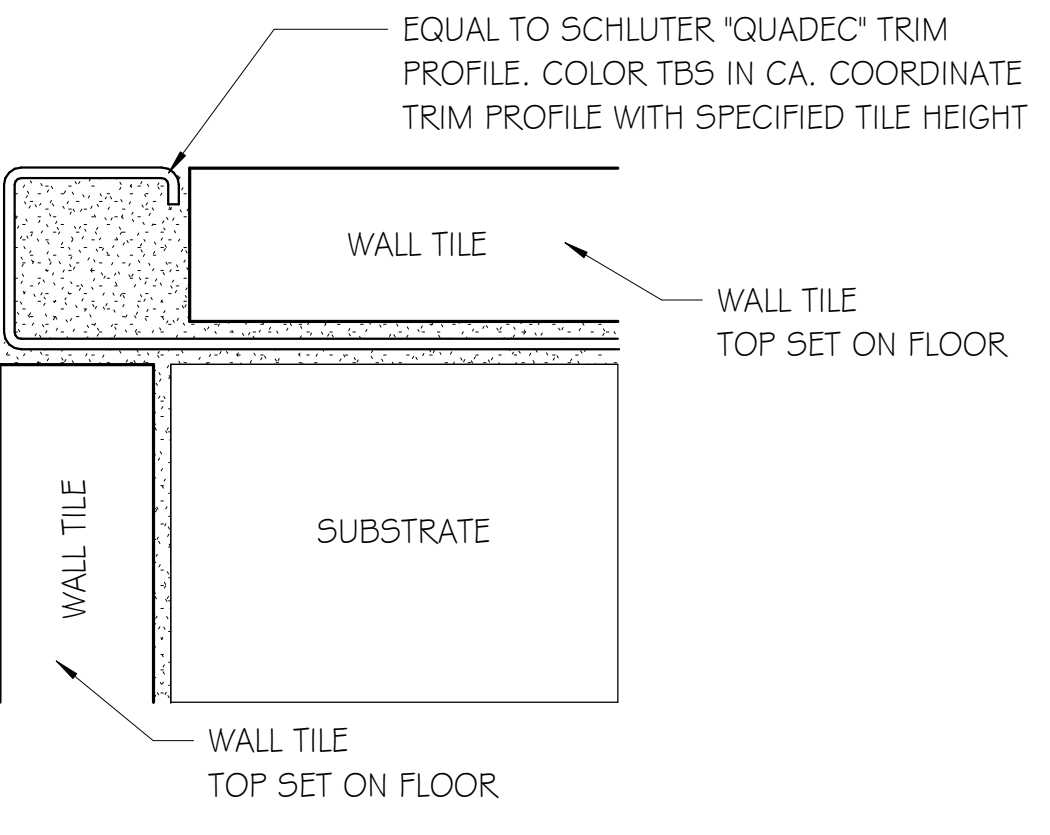
**C1 HTF to HTB**  
SCALE: 3"=1'-0"



**C2 METAL COVE - HTW TO HTF**  
SCALE: 3"=1'-0"



**C5 5 MM LVT TO CARPET**  
SCALE: 3"=1'-0"



**A1 SCHLUTER QUADEC TRIM AT EXPOSED HTW CORNERS**  
SCALE: 12"=1'-0"

**FINISH LEGEND**

FLOOR			WALL			MISC		
NUMBER	TYPE	DETAIL DESCRIPTION	NUMBER	TYPE	DETAIL DESCRIPTION	NUMBER	TYPE	DETAIL DESCRIPTION
CFT-1	CARPET	MANUFACTURER: TARKETT STYLE NAME: FALLOW GROUND - 11598 COLOR: G2902 TOASTED TAUPE SIZE: 24" x 24" INSTALLATION: VERTICAL ASHLAR LOCATION: OFFICES & CORRIDORS	PNT-1	[GENERAL/MAIN PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: CRUSHED ICE LOCATION: MAIN	PL-1	PLASTIC LAMINATE [TYP. FACE]	MANUFACTURER: FORMICA COLOR: SMOKEY BROWN PEAR FINISH: OILED WOOD FINISH LOCATION: BREAKROOMS & WORKROOMS
CFT-2	CARPET	MANUFACTURER: EF CONTRACT STYLE NAME: VEIL COLOR: VLT57 - OVERCAST SIZE: 12" x 48" INSTALLATION: ASHLAR LOCATION: CONFERENCE ROOMS	PNT-2	[TRIM PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: PORPOISE LOCATION: TRIM	PL-2	PLASTIC LAMINATE [TYP TOP]	MANUFACTURER: WILSONART COLOR: WHITE CYPRESS LOCATION: RESTROOMS
LVT-1	LUXURY VINYL TILE	MANUFACTURER: INTERFACE STYLE NAME: STUDIO SET COLOR: A00706 MUSHROOM SIZE: 25CM x 1M INSTALLATION: 1/3 LAP LOCATION: FAMILY VISITATION	PNT-3	[MAIN CEILING/SOFFIT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: PURE WHITE LOCATION: GYP CEILINGS	PL-3	PLASTIC LAMINATE [TYP TOP]	MANUFACTURER: WILSONART COLOR: GREY LOCATION: WORKROOMS
LVT-2	LUXURY VINYL TILE	MANUFACTURER: BENTLEY STYLE NAME: COLONNADE COLOR: BRUTALIST SIZE: 18" x 36" INSTALLATION: 1/3 LAP LOCATION: SEE SCHEDULE	PNT-4	[PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: AMAZING GRAY LOCATION: CONFERENCE ROOMS	SS-1	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: GOLDEN SAIL THICKNESS: 1/2" LOCATION: BREAKROOMS
HTF-1	HARD FLOOR TILE	MANUFACTURER: DALTILE STYLE NAME: CONSULATE COLOR: PREMIER GREY SIZE: 12" x 24" INSTALLATION: BRICK GROUT: TBD LOCATION: RESTROOMS	HTW-1	HARD WALL TILE	MANUFACTURER: DALTILE STYLE NAME: PORTFOLIO COLOR: ICE SIZE: 12" x 24" INSTALLATION: MONOLITHIC GROUT: TBD LOCATION: RESTROOMS	SS-2	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: YUKON RIVERSTONE THICKNESS: 1/2" LOCATION: RESTROOMS
HTF-2	HARD FLOOR TILE	MANUFACTURER: ATLAS CONCORDE STYLE NAME: LEGACY MARBLESTONE COLOR: DOVE SIZE: 12" x 24" INSTALLATION: BRICK GROUT: TBD LOCATION: LOBBY & BREAK ROOM	HTW-2	HARD WALL TILE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: FIRESIDE COLOR: EMBER SIZE: 2.5' x 1'0" INSTALLATION: BRICK GROUT: TBD LOCATION: BREAKROOMS	SS-3	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: AURORA GREY M608 THICKNESS: 1/2" LOCATION: RECEPTION DESK
SC-1	SEALED CONCRETE	CLEAR SEALED ON CLEANED CONCRETE PROVIDED BY CONCRETE SUB-CONTRACTOR TYP.	HTW-3	HARD WALL TILE	MANUFACTURER: PORCELANOSA STYLE/COLOR: ELEMENTS PATTERN WIND SIZE: 12" x 12" MOSAIC GROUT: TBD LOCATION: BREAKROOMS	SS-4	SOLID SURFACE	MANUFACTURER: CORIAN COLOR: ASH CONCRETE THICKNESS: 1/2" LOCATION: WINDOW SILLS
WOC-1	WALK OFF CARPET TILE	MANUFACTURER: MANNINGTON STYLE: RUFFIAN II COLOR: BROWN BRANCHES SIZE: 24" x 24" LOCATION: VESTIBULE	HTW-4	HARD WALL TILE	MANUFACTURER: DALTILE STYLE: MINUTE MOSAIX - NATURAL STONE COLOR: CARRARA WHITE M701 SIZE: RANDOM MOSAIC GROUT: TBD LOCATION: RESTROOM ACCENT	TS-1	TACKABLE SURFACE FABRIC	MANUFACTURER: CARNEGIE STYLE NAME: XOREL - METEOR COLOR: 766 INSTALLATION: ON 1/2" CORK LOCATION: RECEPTION DESK
			WP-1	WALL PROTECTION	MANUFACTURER: KOROSEAL STYLE: KOROGARD COLOR: RELAXED GRAY (5A) SHEET SIZE: 4' x 8' THICKNESS: 0.040" LOCATION: LOBBY WHERE NOTED ON FINISH PLAN	TP-1	TOILET PARTITIONS	MANUFACTURER: EQUAL TO: ASI GLOBAL STYLE NAME: BLACK CORE PHENOLIC TOILET PARTITIONS COLOR: SILVER GRAY 3000 LOCATION: RESTROOMS
						CG-1	CORNER GUARDS	MANUFACTURER: INFRO STYLE NAME: TAPE ON CORNER GUARD RIGID VINYL COLOR: SHARKSKIN SIZE: FULL HEIGHT LOCATION: LOBBY AND ALL EXPOSED GYP CORNERS IN CORRIDORS
						CR-1	CHAIR RAILS	MANUFACTURER: EQUAL TO: EF SAN JUAN STYLE NAME: C4047 COLOR: PNT-1 LOCATION: SEE FINISH SCHEDULE
						CRN-1	CROWN MOULDING	MANUFACTURER: EQUAL TO: EF SAN JUAN STYLE NAME: CR3001 COLOR: PNT-1 LOCATION: SEE FINISH SCHEDULE
						BLINDS	WINDOW BLINDS	PRODUCT EQUAL TO FAUX WOOD HORIZONTAL COLLECTION STYLE: 2" BLINDS COLOR: TBD LOCATION: TAGGED AS WB-1 IN RCP
						SCHLUTER	SCHLUTER COVE PROFILE	PRODUCT EQUAL TO: SCHLUTER DILEX-AHK LOCATION: ALL HTF TO HTB/HTW CONDITIONS
						SCHLUTER	SCHLUTER EDGE PROFILE	PRODUCT EQUAL TO: SCHLUTER JOLLY LOCATION: ALL EXPOSED TILE EDGES & CORNERS

**BASE**

NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: TARKETT STYLE NAME: BASEWORKS THERMOSET COLOR: 29 MOON ROCK SIZE: 4" W COVE LOCATION: WHERE SCHEDULED
HTB-1	HARD TILE BASE	MANUFACTURER: ATLAS CONCORDE STYLE NAME: PATH COLOR: SILVER PEARL SIZE: 4" H WITH METAL SCHLUTER COVE TRANSITION PIECE GROUT: TBD LOCATION: LOBBY & BREAK ROOM
MB-1	METAL BASE	MANUFACTURER: SCHLUTER STYLE NAME: DESIGNBASE-SL COLOR: SATIN ANODIZED ALUMINUM SIZE: 3 1/8" H LOCATION: RECEPTION DESK

**SPECIALTY EQUIPMENT SCHEDULE**

ID	DESCRIPTION	OFCI / CFCI
51	RESIDENTIAL WASHER	CFCI
52	RESIDENTIAL DRYER	CFCI
53	COFFEE MAKER - BY OWNER	OFCI
54	MICROWAVE	CFCI
58	REFRIGERATOR/FREEZER - SIDE BY SIDE	CFCI
59	ICE MAKER - COORDINATE PLUMBING & ELEC	CFCI
510	VENDING MACHINE - COORDINATE ELEC	OFCI
531	TV 46" - WALL MOUNTED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
532	TV 85" - WALL MOUNTED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
533	TV 65" - WALL MOUNTED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
534	MARKER BOARD - 8' W x 4' H	CFCI
535	GLASS ENCLOSED TACK BOARD - 4' W x 4' H	CFCI
WB-1	WINDOW COVERINGS - MANUAL 2" FAUX WOOD BLIND	CFCI

**TOILET ACCESSORIES SCHEDULE**

ID	DESCRIPTION	OFCI / CFCI
TA01	DOUBLE TOILET TISSUE DISPENSER	CFCI
TA06	PAPER TOWEL DISP	OFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA15	SOAP DISPENSER, SURFACE MOUNT	OFCI
TA17	SHOWER ROD & CURTAIN	CFCI
TA20	18" VERTICAL GRAB BAR	CFCI
TA21	36" HORIZONTAL GRAB BAR	CFCI
TA22	42" HORIZONTAL GRAB BAR	CFCI
TA23	FRAMED MIRROR	CFCI
TA24	24" HORIZONTAL GRAB BAR	CFCI
TA25	12" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK	CFCI
TA29	SANITARY NAPKIN RECEPTACLE	CFCI
TA50	ADA COMPLIANT HAND DRYER	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA60	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI



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GMC # ABHM250019



FINISH LEGEND AND DETAILS  
**A8.01**  
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