



May 15, 2024

ADDENDUM NO. 06

TO THE CONTRACT DOCUMENTS

FOR

MOUNTAIN TRANSIT MAINTENANCE FACILITY

FOR THE
MOUNTAIN AREA REGIONAL TRANSIT AUTHORITY (MARTA)

RCA Project No. 5-08-01

NOTICE TO BIDDERS

This Addendum forms a part of the Contract and modifies the original documents, City Approved in February 2024 (INC 02) and Currently under City review (INC 03). It is intended that all work affected by the following modifications shall conform with related provisions and general conditions of the contract of the original drawings and specifications. Modify the following items wherever appearing in any drawing or sections of the specifications. Acknowledge receipt of Addendum No. 6 in the space provided on the Bid Form. Failure to do so may subject bidder to disqualification.

GENERAL

INCREMENT #2

CHANGES TO SPECIFICATIONS

Item No. 6.1 Reference Specification Section 10 28 00 – Toilet Accessories
6.1.1 Replace section in its entirety.

CHANGES TO DRAWINGS

ARCHITECTURE - BUILDING

Item No. 6.2 Reference Sheet A1-8.1 – Door & Window Schedule
6.2.1 Revise Sheet A1-8.1 and per attached sketch listed below:
 a) Revised Building Door Schedule – A1-8.1 per clouded areas in attached sketch ASK-06.01.

INCREMENT #3

CHANGES TO SPECIFICATIONS

Item No. 6.3 Reference Specification Section 10 28 00 – Toilet Accessories
6.3.1 Replace section in its entirety.

Item No. 6.4 Reference Specification Section 10 73 16.13 – Metal Canopies
6.4.1 Replace section in its entirety.

CHANGES TO DRAWINGS

ARCHITECTURE - SITE

- Item No. 6.5 Reference Sheet AS-2.1 – Enlarged Site Plan
6.5.1 Revise Sheet AS-2.1 and per attached sketch listed below:
 a) Revise detail 9/AS-2.1 – Enlarged Site Plan per clouded areas in attached sketch ASK-06.02.

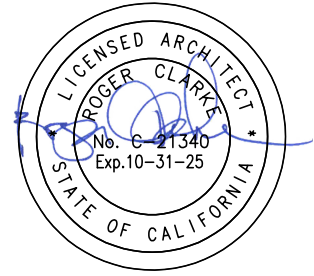
ATTACHMENTS:

- Exhibit:** N/A
Specifications: 10 28 00 (INC. #2), 10 28 00 (INC. #3), 10 73 16.13 (INC. #3)
Sketches: ASK-06.01, ASK-06.02.
Sheets: N/A

END OF ADDENDUM NO. 6

Roger Clarke, Principal
C-21340





**SECTION 10 28 00
TOILET ACCESSORIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Commercial toilet accessories.
- B. Commercial shower and bath accessories.
- C. Under-lavatory pipe supply covers.
- D. Utility room accessories.

1.02 RELATED REQUIREMENTS

- A. Section 05 40 00 - Cold-Formed Metal Framing and 09 21 16 - Gypsum Board Assemblies: Concealed supports for accessories, including in wall framing and plates.
- B. Section 22 40 00 - Plumbing Fixtures: Under-lavatory pipe and supply covers.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design.
- B. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
- C. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- D. ASTM B456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
- E. ASTM C1036 - Standard Specification for Flat Glass.
- F. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass.
- G. ASTM C1503 - Standard Specification for Silvered Flat Glass Mirror.
- H. CBC Ch. 11B - California Building Code-Chapter 11B.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.
- C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.
- D. Maintenance Materials: Furnish the following for Owner's use in maintenance of project:

Mountain Area Regional Transit Authority Mount Transit Maintenance Facility -Phase 1 RCA Project No. 5-08-01	Addendum 6	Toilet Accessories 10 28 00 - 1
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1. See Section 01 60 00 - Product Requirements, for additional provisions.
2. Tools: One each of every special tool required for maintenance of fasteners and operable parts.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Provide toilet accessories meeting the requirements for the physically disabled of the California Building Code (CBC), Title 24 Part 2, CBC Ch. 11B, and 2010 ADA Standards, as amended.
- B. Accessible requirements:
 1. Elements of sanitary facilities shall be mounted at locations in compliance with CBC Ch. 11B-602 through 11B-612.
 2. Grab bars in toilet facilities and bathing facilities shall comply with CBC Ch. 11B-609.
 - a. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.
 - b. The space around the grab bars shall be as follows:
 - 1) 1-1/2 inches between the grab bar and the wall. CBC Ch. 11B-609.3.
 - 2) 1-1/2 inches minimum between the grab bar and projecting objects below and at the ends.
 - 3) 12 inches minimum between the grab bar and projecting objects above.
 3. Toilet accessories required to be accessible shall be mounted with any operable part at maximum 40 inches above the finish floor. CBC Ch. 11B-603.5.
 4. The grab bar shall not project more than 3 inches into the 48 inches minimum clear space required required in front of the water closet. CBC Ch. 11B-609.3.
 5. Toilet tissue dispensers are to be continuous flow type. CBC Ch. 11B-604.7.
 6. Toilet paper and feminine napkin disposals located on the grab bar side of the accessible toilet room or stall shall not project more than the grab bar or 3 inches from the finished wall surface nor be located closer than 1-1/2 inches clear of the tangent point of the grab bar. (Legacy DSA Interpretation.)
 - a. Accessories surface mounted above grab bar will restrict usability.
 7. All other accessories shall not project more than 4 inches from wall surface, but cannot encroach into any required clear space.
 8. Shower controls shall comply with CBC Ch. 11B-608.5.
 9. Shower seats shall comply with CBC Ch. 11B-610.3 Shower compartment seats.

2.02 MANUFACTURERS

- A. Commercial Toilet, Shower, and Bath Accessories:
 1. American Specialties, Inc: www.americanspecialties.com/#sle.
 2. Bobrick Washroom Equipment, Inc.: www.bobrick.com.

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3. Bradley Corporation: www.bradleycorp.com/#sle.
 4. Gamco: www.gamcousa.com.
 5. Georgia-Pacific Professional: www.blue-connect.com/#sle.
 6. Kimberly-Clark Corporation; Kimberly-Clark Professional ICON Collection: www.kcprofessional.com/#sle.
 7. Or Equal Substitutions: Section 01 60 00 - Product Requirements.
- B. Provide products of each category type by single manufacturer.

2.03 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
 1. Grind welded joints smooth.
 2. Fabricate units made of metal sheet of seamless sheets with flat surfaces.
- B. Stainless Steel Sheet: ASTM A666, Type 304.
- C. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.
- D. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.
- E. Mirror Glass: Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required.
- F. Adhesive: Two component epoxy type, waterproof.
- G. Fasteners, Screws, and Bolts: Stainless steel except where fully concealed may be hot dip galvanized; tamper-proof; security type.
- H. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.04 FINISHES

- A. Stainless Steel: Satin finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.

2.05 COMMERCIAL TOILET ACCESSORIES

- A. Toilet Paper Dispenser: Double roll, recessed, stainless steel unit with pivot hinge, tumbler lock.
 1. Basis of Design Product: Recessed Multi-Roll Toilet Tissue Dispenser B-3888 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- B. Combination Towel Dispenser/Waste Receptacle: Recessed with projecting waste receptacle, stainless steel; seamless wall flanges, continuous piano hinges.
 1. Waste receptacle liner: Reusable, heavy-duty vinyl.
 2. Towel dispenser capacity: 600 C-fold.
 3. Waste receptacle capacity: 12 gallons.

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4. Basis of Design Product: Classic Series Recessed Convertible Paper Towel Dispenser and Waste Receptacle B-3944 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- C. Soap Dispenser: Liquid soap dispenser, wall-mounted, surface, with stainless steel cover and horizontal stainless steel tank and working parts; push type soap valve, check valve, and window gauge refill indicator, tumbler lock.
 1. Minimum Capacity: 40 ounces.
 2. Basis of Design Product: Classic Series Surface Mounted Soap Dispenser B-2111 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
 - D. Mirrors: Stainless steel framed, 1/4 inch thick annealed float glass; ASTM C1036.
 1. Annealed Float Glass: Silvering, protective and physical characteristics in compliance with ASTM C1503.
 2. Frame: 0.05 inch angle shapes, with mitered and welded and ground corners, and tamperproof hanging system; satin finish.
 3. Backing: Full-mirror sized, minimum 0.03 inch galvanized steel sheet and nonabsorptive filler material.
 4. Basis of Design Product: Mirror with Stainless Steel Channel Frame B-165.2430 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
 - E. Seat Cover Dispenser: Stainless steel, surface-mounted, reloading by concealed opening at base, tumbler lock.
 1. Minimum capacity: 250 seat covers.
 2. Basis of Design Product: Classic Series Surface Mounted Seat Cover Dispenser B-221 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
 - F. Grab Bars: Stainless steel, peened surface.
 1. Standard Duty Grab Bars:
 - a. Push/Pull Point Load: 250 pound-force, minimum.
 - b. Dimensions: 1-1/4 inch outside diameter, minimum 0.05 inch wall thickness, exposed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
 - c. Finish: Satin, with peened gripping surface (suffix.99).
 - d. Length and Configuration: As indicated on drawings.
 - 1) Minimum Length for Side Wall of Standard Roll-in Shower: 54 inches; 6 inch maximum from adjacent wall.
 - 2) Minimum Length for Rear Wall of Standard Roll-in Shower: 18 inches; 6 inch maximum from adjacent wall.
 - (a) Do not place above seat. CBC 11B-608.3.2
 - e. Basis of Design Product: Snap Flange B-5806 Series as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
 - G. Sanitary Napkin Disposal Unit: Stainless steel, surface-mounted, self-closing door, locking bottom panel with full-length stainless steel piano-type hinge, removable receptacle.

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1. Basis of Design Product: Recessed Sanitary Napkin Disposal B-353 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.

2.06 COMMERCIAL SHOWER AND BATH ACCESSORIES

- A. Shower Curtain Rod: Stainless steel tube, 1-1/4 inch outside diameter, 0.04 inch wall thickness, satin-finished, with 3 inch outside diameter, minimum 0.04 inch thick satin-finished stainless steel flanges, for installation with exposed fasteners.
 1. Basis of Design Product: Classic Series Extra-Heavy-Duty Shower Curtain Rod B-6047 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- B. Shower Curtain:
 1. Material: Opaque vinyl, 0.008 inch thick, matte finish, with antibacterial treatment, flameproof and stain-resistant.
 2. Size: 70 by 72 inches, hemmed edges.
 3. Grommets: HDPE; pierced through top hem on 6 inch centers.
 4. Color: White.
 5. Basis of Design Product: Vinyl Shower Curtains, 204-3 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
 6. Shower Curtain Hooks: Chrome-plated or stainless steel spring wire designed for snap closure.
 - a. Basis of Design Product: Stainless Steel Shower Curtain Hook, 204-1 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- C. Folding Shower Seat: Wall-mounted surface; welded tubular seat frame, structural support members, swing-down legs, hinges, and mechanical fasteners of Type 304 stainless steel, L-shaped, right hand and L-shaped, left hand seat.
 1. Seat: Phenolic or polymeric composite one-piece seat or seat slats, of color as selected.
 2. Size: CBC Chapter 11B and ADA Standards compliant.
 3. Basis of Design Product: Reversible Solid Phenolic Folding Shower Seat B-5181 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.

2.07 UNDER-LAVATORY PIPE AND SUPPLY COVERS

- A. Specified in 22 40 00 - Plumbing Fixtures.

2.08 UTILITY ROOM ACCESSORIES

- A. Mop and Broom Holder: 0.05 inch thick stainless steel, Type 304, hat-shaped channel.
 1. Holders: Four spring-loaded rubber cam holders.
 2. Length: 36 inches.
 3. Basis of Design Product: _____ as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- B. Combination Utility Shelf/Mop and Broom Holder: 0.05 inch thick stainless steel, Type 304, with 1/2 inch returned edges, 0.06 inch steel wall brackets.
 1. Drying rod: Stainless steel, 1/4 inch diameter.

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2. Hooks: Two, 0.06 inch stainless steel rag hooks at shelf front.
3. Mop/broom holders: Four spring-loaded rubber cam holders at shelf front.
4. Length: 36 inches.
5. Basis of Design Product: Utility Shelf with Mop/Broom Holders and Rag Hooks B-224 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. Before covering wall framing with gypsum board, examine framing to ensure that backing plates and grab bar mounting kits have been installed behind surface mounted accessories in such positions as to receive all attachment screws.
- D. Verify that pipes, vents, conduits and other construction features do not protrude into rough wall opening space required for recessed accessories.
- E. Verify that field measurements are as indicated on drawings.
- F. Verify installation of blocking, reinforcing plates, and concealed anchors in walls and ceilings.

3.02 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

3.03 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
 1. Exception: Install surface mounted accessories other than grab bars with screws, molly or toggle bolts only to studs or through backing plates attached directly to studs.
 2. At combination units placed behind a grab bar set the perimeter trim tight against the backing board.
 - a. Face of this unit shall not project beyond the tile or applied finish face. Maintain the required 1-1/2 inch clearance.
 - b. Coordinate surrounding finish trim with bullnose tile, radius, or sloped profile trim.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.
 1. Grab Bars: As indicated on drawings.
 - a. Adult mounting height to be between minimum 33 inches to maximum 36 inches to top tangent point. CBC 11B-609.4 Position of Grab Bars.
 2. Mirrors: 40 inch, measured from floor to bottom of mirrored surface.
 3. Seat Cover Dispenser:

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- a. Shall not be located closer than 1-1/2 inches clear of the tangent point of the grab bar.
- b. If surface mounted and located under the grab bar provide a minimum 5 inches clear under unit for refilling.
- 4. Clothes Bumper/Coat Hook: 40 to 48 inches. CBC 11B-603.4 Coat hooks, shelves and medicine cabinets
- 5. Other Accessories: As indicated on drawings.

3.04 PROTECTION

- A. Protect installed accessories from damage due to subsequent construction operations.

END OF SECTION

<p>Mountain Area Regional Transit Authority Mount Transit Maintenance Facility -Phase 1 RCA Project No. 5-08-01</p>	<p>Addendum 6</p>	<p>Toilet Accessories 10 28 00 - 7</p>
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BUILDING DOOR SCHEDULE - ADD 06

DOOR NO.	DOOR					
	DOOR TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH
100A	B	3' - 0"	7' - 0"	1 3/4"	ALUM	FF
100B	C	10' - 0"	8' - 0"	2 3/8"	ALUM	FF
101A	B	3' - 0"	7' - 0"	1 3/4"	ALUM	FF
102A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
103A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
104A	D	7' - 6"	8' - 6"	2 3/8"	PER MANUF.	FF
105B	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
105C	A	6' - 0"	7' - 0"	1 3/4"	HM	PSG
106A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
107A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
108A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
109A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
110A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
111A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
112A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
113A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
113B	A	4' - 0"	7' - 0"	1 3/4"	HM	PSG
113C	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
113D	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
114A	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
114B	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
115A	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
115B	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
116A	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
116B	E	14' - 0"	15' - 0"	PER MANUF.	PER MANUF.	FF
117A	D	8' - 0"	10' - 0"	2 3/8"	PER MANUF.	FF
117B	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
117C	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
118A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
118B	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
119A	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
119B	A	3' - 0"	7' - 0"	1 3/4"	HM	PSG
119C	D	8' - 0"	10' - 0"	2 3/8"	PER MANUF.	FF
121A	A	6' - 0"	7' - 0"	1 3/4"	HM	PSG

6
ADD
PER MANUF.

DELTA # 6 DATE 05/10/24 ADD AFO CCD REV

A1-8.1 _ BUILDING DOOR SCHEDULE

INCREMENT 2

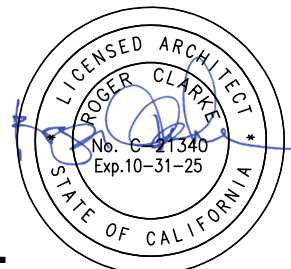
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BIG BEAR LAKE**

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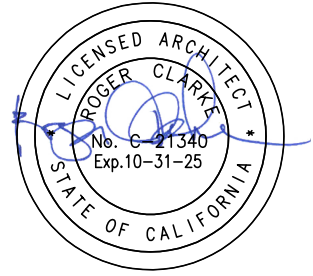
RUHNAUCLARKE.COM
3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501(951) 684 4664
5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438 5899

RUHNAU
CLARKE
ARCHITECTS

DSA APN #
-
DSA File #
-
Date:
05/10/24
Project #:
50801
Sheet #:
ASK-06.01



**SECTION 10 28 00
TOILET ACCESSORIES**



PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Commercial toilet accessories.
- B. Under-lavatory pipe supply covers.
- C. Utility room accessories.

1.02 RELATED REQUIREMENTS

- A. Section 05 40 00 - Cold-Formed Metal Framing and 09 21 16 - Gypsum Board Assemblies: Concealed supports for accessories, including in wall framing and plates.
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1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design.
- B. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
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- F. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass.
- G. ASTM C1503 - Standard Specification for Silvered Flat Glass Mirror.
- H. {RSTEMP#10005085}

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

1.05 SUBMITTALS

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2. Tools: One each of every special tool required for maintenance of fasteners and operable parts.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

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- B. Accessible requirements:
 1. Elements of sanitary facilities shall be mounted at locations in compliance with CBC Section 11B-602 through 11B-612.
 2. Grab bars in toilet facilities and bathing facilities shall comply with CBC Section 11B-609.
 - a. Grab bars and any wall or other surfaces adjacent to grab bars shall be free of sharp or abrasive elements and shall have rounded edges.
 - b. The space around the grab bars shall be as follows:
 - 1) 1-1/2 inches between the grab bar and the wall. CBC Section 11B-609.3.
 - 2) 1-1/2 inches minimum between the grab bar and projecting objects below and at the ends.
 - 3) 12 inches minimum between the grab bar and projecting objects above.
 3. Toilet accessories required to be accessible shall be mounted with any operable part at maximum 40 inches above the finish floor. CBC Section 11B-603.5.
 4. The grab bar shall not project more than 3 inches into the 48 inches minimum clear space required required in front of the water closet. CBC Section 11B-609.3.
 5. Toilet tissue dispensers are to be continuous flow type. CBC Section 11B-604.7.
 6. Toilet paper and feminine napkin disposals located on the grab bar side of the accessible toilet room or stall shall not project more than the grab bar or 3 inches from the finished wall surface nor be located closer than 1-1/2 inches clear of the tangent point of the grab bar. (Legacy DSA Interpretation.)
 - a. Accessories surface mounted above grab bar will restrict usability.
 7. All other accessories shall not project more than 4 inches from wall surface, but cannot encroach into any required clear space.
 8. Shower controls shall comply with CBC Section 11B-608.5.
 9. Shower seats shall comply with CBC Section 11B-610.3 Shower compartment seats.

2.02 MANUFACTURERS

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4. Gamco: www.gamcousa.com.
 5. Georgia-Pacific Professional: www.blue-connect.com/#sle.
 6. Kimberly-Clark: www.KCprofessional.com.
 7. Or Equal Substitutions: Section 01 60 00 - Product Requirements.
- B. Provide products of each category type by single manufacturer.

2.03 MATERIALS

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
 1. Grind welded joints smooth.
 2. Fabricate units made of metal sheet of seamless sheets with flat surfaces.
- B. Stainless Steel Sheet: ASTM A666, Type 304.
- C. Stainless Steel Tubing: ASTM A269/A269M, Grade TP304 or TP316.
- D. Mirror Glass: Annealed float glass, ASTM C1036 Type I, Class 1, Quality Q2, with silvering, protective and physical characteristics complying with ASTM C1503.
- E. Mirror Glass: Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required.
- F. Adhesive: Two component epoxy type, waterproof.
- G. Fasteners, Screws, and Bolts: Stainless steel except where fully concealed may be hot dip galvanized; tamper-proof; security type.
- H. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.04 FINISHES

- A. Stainless Steel: Satin finish, unless otherwise noted.
- B. Chrome/Nickel Plating: ASTM B456, SC 2, polished finish, unless otherwise noted.

2.05 COMMERCIAL TOILET ACCESSORIES

- A. Toilet Paper Dispenser: Double roll, recessed, stainless steel unit with pivot hinge, tumbler lock.
 1. Basis of Design Product: Recessed Multi-Roll Toilet Tissue Dispenser B-3888 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- B. Combination Towel Dispenser/Waste Receptacle: Recessed flush with wall, stainless steel; seamless wall flanges, continuous piano hinges.
 1. Waste receptacle liner: Reusable, heavy-duty vinyl.
 2. Towel dispenser capacity: 600 C-fold.
 3. Waste receptacle capacity: 12 gallons.

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4. Basis of Design Product: Classic Series Recessed Convertible Paper Towel Dispenser and Waste Receptacle B-3944 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- C. Soap Dispenser: Liquid soap dispenser, wall-mounted, surface, with stainless steel cover and horizontal stainless steel tank and working parts; push type soap valve, check valve, and window gauge refill indicator, tumbler lock.
 1. Minimum Capacity: 40 ounces.
 2. Basis of Design Product: Classic Series Surface Mounted Soap Dispenser B-2111 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- D. Mirrors: Stainless steel framed, 1/4 inch thick annealed float glass; ASTM C1036.
 1. Annealed Float Glass: Silvering, protective and physical characteristics in compliance with ASTM C1503.
 2. Frame: 0.05 inch angle shapes, with mitered and welded and ground corners, and tamperproof hanging system; satin finish.
 3. Backing: Full-mirror sized, minimum 0.03 inch galvanized steel sheet and nonabsorptive filler material.
 4. Basis of Design Product: Mirror with Stainless Steel Channel Frame B-165.2430 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- E. Seat Cover Dispenser: Stainless steel, surface-mounted, reloading by concealed opening at base, tumbler lock.
 1. Minimum capacity: 250 seat covers.
 2. Basis of Design Product: Classic Series Surface Mounted Seat Cover Dispenser B-221 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- F. Grab Bars: Stainless steel, peened surface.
 1. Standard Duty Grab Bars:
 - a. Push/Pull Point Load: 250 pound-force, minimum.
 - b. Dimensions: 1-1/4 inch outside diameter, minimum 0.05 inch wall thickness, exposed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
 - c. Finish: Satin, with peened gripping surface (suffix.99).
 - d. Length and Configuration: As indicated on drawings.
 - e. Basis of Design Product: Snap Flange B-5806 Series as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.
- G. Sanitary Napkin Disposal Unit: Stainless steel, surface-mounted, self-closing door, locking bottom panel with full-length stainless steel piano-type hinge, removable receptacle.
 1. Basis of Design Product: Recessed Sanitary Napkin Disposal B-353 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.

2.06 UNDER-LAVATORY PIPE AND SUPPLY COVERS

- A. Specified in 22 40 00 - Plumbing Fixtures.

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2.07 UTILITY ROOM ACCESSORIES

- A. Combination Utility Shelf/Mop and Broom Holder: 0.05 inch thick stainless steel, Type 304, with 1/2 inch returned edges, 0.06 inch steel wall brackets.
 - 1. Drying rod: Stainless steel, 1/4 inch diameter.
 - 2. Mop/broom holders: Four spring-loaded rubber cam holders at shelf front.
 - 3. Length: 36 inches.
 - 4. Product: See schedule on Drawings.
 - 5. Basis of Design Product: Utility Shelf with Mop/Broom Holders and Rag Hooks B-224 as manufactured by Bobrick Washroom Equipment, Inc., or approved equal.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. Before covering wall framing with gypsum board, examine framing to ensure that backing plates and grab bar mounting kits have been installed behind surface mounted accessories in such positions as to receive all attachment screws.
- D. Verify that pipes, vents, conduits and other construction features do not protrude into rough wall opening space required for recessed accessories.
- E. Verify that field measurements are as indicated on drawings.
- F. Verify installation of blocking, reinforcing plates, and concealed anchors in walls and ceilings.

3.02 PREPARATION

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

3.03 INSTALLATION

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on drawings.
 - 1. Exception: Install surface mounted accessories other than grab bars with screws, molly or toggle bolts only to studs or through backing plates attached directly to studs.
 - 2. At combination units placed behind a grab bar set the perimeter trim tight against the backing board.
 - a. Face of this unit shall not project beyond the tile or applied finish face. Maintain the required 1-1/2 inch clearance.
 - b. Coordinate surrounding finish trim with bullnose tile, radius, or sloped profile trim.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.
 - 1. Grab Bars: As indicated on drawings.

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- a. Adult mounting height to be between minimum 33 inches to maximum 36 inches to top tangent point. CBC 11B-609.4 Position of Grab Bars.
- 2. Mirrors: 40 inch, measured from floor to bottom of mirrored surface.
- 3. Seat Cover Dispenser:
 - a. Shall not be located closer than 1-1/2 inches clear of the tangent point of the grab bar.
 - b. If surface mounted and located under the grab bar provide a minimum 5 inches clear under unit for refilling.
- 4. Shelf with Mop and Broom Holders: 40 to 48 inches. CBC 11B-603.4 Coat hooks, shelves and medicine cabinets
- 5. Other Accessories: As indicated on drawings.

3.04 PROTECTION

- A. Protect installed accessories from damage due to subsequent construction operations.

END OF SECTION

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**SECTION 10 73 16.13
METAL CANOPIES**

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Freestanding metal canopies.

~~1. Solar Canopies.~~

1.02 RELATED REQUIREMENTS

A. Section 03 30 00 - Cast-in-Place Concrete: Concrete footings.

B. Section 09 91 13 - Exterior Painting: Finish coating.

C. Section 09 96 00 - High-Performance Coatings: Finish coating.

~~D. Section 26 31 00 - Photovoltaic Collectors: Integrated solar panels.~~

1.03 REFERENCE STANDARDS

A. AISC 303 - Code of Standard Practice for Steel Buildings and Bridges.

B. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures.

C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel.

D. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength.

E. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.

F. ASTM A572/A572M - Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel.

G. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

H. ASTM A924/A924M - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.

I. ASTM C1107/C1107M - Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink).

J. ASTM E2950 - Standard Specification for Metal Canopy Systems.

K. ASTM F593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs.

L. ASTM F3125/F3125M - Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi and 150 ksi Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength.

M. AWS B2.1/B2.1M - Specification for Welding Procedure and Performance Qualification.

N. AWS D1.1/D1.1M - Structural Welding Code - Steel.

O. CEC - California Electrical Code.

- P. ITS (DIR) - Directory of Listed Products.
- Q. NFPA 70 - National Electrical Code.
- R. UL (DIR) - Online Certifications Directory.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Submit product data sheets, including material descriptions and finishes, and preparation instructions and recommendations.
- C. Shop Drawings: Prior to commencement of fabrication, submit detailed shop drawings, showing profiles, sections of components, finishes, and fastening details.
- D. Design Data: Submit comprehensive structural analysis of design for the specified loads. Stamp and sign calculations by professional engineer.
- E. Manufacturer's Qualification Statement.
- F. Erector'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. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Perform steel work in accordance with AISC 303.
 - 1. Maintain one copy on site.
- B. Manufacturer Qualifications: Company specializing in the manufacture of products similar to those required for this project.
 - 1. Not less than three years of documented experience.
- C. Erector Qualifications: Company specializing in performing the work of this section.
 - 1. Not less than three years of documented experience and approved by canopy manufacturer.
- D. 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. See Section 01 74 19 - Construction Waste Management and Disposal for packaging waste requirements.
- B. Deliver materials to project site ready for erection.
- C. Package using methods that prevent damage during shipping and storage on site.
- D. Store materials under cover and elevated above grade.

1.07 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.

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- B. Metal Canopies: Correct defective work within a two year period after Date of Substantial Completion.
- C. Finish Warranty: Provide manufacturer's one year warranty on factory finish against cracking, peeling, and blistering.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Canopies:
 - 1. Basis of Design Product: Pre-Engineered Canopy, indicated on Drawings as manufactured by M Bar C Construction, Inc., or approved equal.

2.02 METAL CANOPIES

- A. Shop Fabricated Metal Canopy
 - 1. Pre-engineered steel system complying with ASTM E2950.
- B. Configuration: Layout and dimensions, column layout, canopy clearance, fascia profile, and roof covering design as indicated on drawings.
 - 1. Installation: Freestanding.
 - 2. Column Anchorage: Column baseplates installed with anchor bolts or expansion anchors into concrete footing, slab, or pier.
 - 3. Structural Framing System: Steel.
 - 4. Covering Material: Steel.
 - 5. Drainage Concept: Water collected in decking conducted into perimeter drain beams and discharged through columns.
- C. Performance Requirements:
 - 1. Design and fabricate metal canopy system to resist wind, live, and seismic loads without failure, damage, or permanent deflection in accordance with ASCE 7:
 - a. Loads: As indicated on drawings.
 - 2. Thermal Movement: Design canopy system to accommodate thermal movement caused by ambient temperature range of 120 degrees F and surface temperature range of 180 degrees F without buckling, failure of joint seals, undue stress on fasteners or other detrimental effects on assembly components.
 - 3. Electrical Components, Devices, and Accessories: Listed and labeled by ITS (DIR), UL (DIR), or testing agency acceptable to authorities having jurisdiction and installed in compliance with CEC, and marked for intended application.

2.03 COMPONENTS

- A. Structural Steel Framing:
 - 1. Columns: ASTM A500/A500M, Grade B, round or rectangular tubing, sized to suit project design load requirements.
 - 2. Base and Top Plates: ASTM A36/A36M, with pre-drilled bolt holes.

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3. Beams: Wide flange, ASTM A572/A572M Grade 50.
 4. Other Structural Steel Members: ASTM A36/A36M.
- B. Covering:
1. Steel Decking: Interlocking panels.
 - a. Panel Size: 16 inches wide by 3 inches deep; 20 gauge, 0.0359 inch thickness.
 - b. Material: ASTM A653/A653M, G90 galvanized according to ASTM A924/A924M.
 - c. Provide canopy manufacturer's standard clip type fasteners for attaching covering to structural beams.
 2. Overhang: 4 inches.
- C. Fascia: Manufacturer's standard flat profile.
1. Material: Galvanized steel panel laminated to 2 inch polystyrene foam core.
- D. Anchor Bolts: ASTM A307 or ASTM A572/A572M, formed with bent shank, assembled with template for casting into concrete.
1. Minimum exposed thread of 7 inches above footing and 23 inch minimum embedment.
 2. Provide nuts and washers as required for column leveling and plumbing.
- E. Concrete Footings: Refer to Section 03 30 00 for additional requirements.
- F. Exposed Gutters and Downspouts: Galvanized steel with baked enamel finish, color to match canopy covering, manufacturer's recommended size for canopy specified.

2.04 SHOP FABRICATION

- A. Provide a complete system ready for erection at project site.
- B. Shop fabricate to the greatest extent possible; disassemble if necessary for shipping.
- C. Weld steel members in accordance with AWS D1.1/D1.1M.
- D. Fabricate connections for bolt, nut, and washer connectors.

2.05 FINISHES

- A. Structural Steel Framing:
 1. Shop Primer: Rust-inhibitive red oxide.
 2. Finish Coating: As specified in Section 09 96 00.
- B. Steel Decking and Roofing: Polyester baked enamel finish; color as selected from manufacturer's standard range.
- C. Fascia: Polyester baked enamel finish; color as selected from manufacturer's standard range.

2.06 ACCESSORIES

- A. Structural Bolts: ASTM F3125/F3125M, Grade A325, minimum 3/4 inch diameter.
- B. Trim, Closure Pieces, and Flashings: Same material, thickness and finish as sheet metal decking; factory-fabricated to required profiles.
 1. Exposed Fasteners: Not permitted.

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- C. Grout: ASTM C1107/C1107M; non-shrinking; premixed compound consisting of non-metallic aggregate, cement, water-reducing and plasticizing agents.
- D. Fasteners, Non-Structural: ASTM F593 stainless steel or ASTM A307 carbon steel.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine substrates and site area for conditions that might prevent satisfactory installation.
- B. Verify that foundation, electrical utilities, and placed anchors are in correct position.
- C. Verify that bearing surfaces are ready to receive this work.
- D. Do not proceed with installation until all conditions are satisfactory.

3.02 INSTALLATION - FRAMING

- A. Erect framing in accordance with AISC 303.
- B. Provide for erection and wind loads. Provide temporary bracing to maintain structure plumb and in alignment until completion of erection and installation.
- C. Set column base plates with non-shrink grout to achieve full plate bearing.
- D. Fasten columns to anchor bolts.
- E. Do not field cut or alter structural members without approval.
- F. After erection, prime welds, abrasions, and surfaces not shop primed.

3.03 INSTALLATION - CANOPY COVERING

- A. Install in accordance with manufacturer's instructions.
- B. Fasten metal decking to metal support members, aligned level and plumb.
- C. Install fascia panels, trim, and flashing.
- D. Separate dissimilar metals using concealed bituminous paint.
- E. Touch-up damaged finish coating using material provided by manufacturer to match original coating.

3.04 TOLERANCES

- A. Maximum Variation from Level: Plus/Minus 1/8 inch.

3.05 CLEANING

- A. See Section 01 70 00 - Execution and Closeout Requirements for additional requirements.
- B. Clean surfaces of dust and debris; follow manufacturer's cleaning instructions for the finish used.

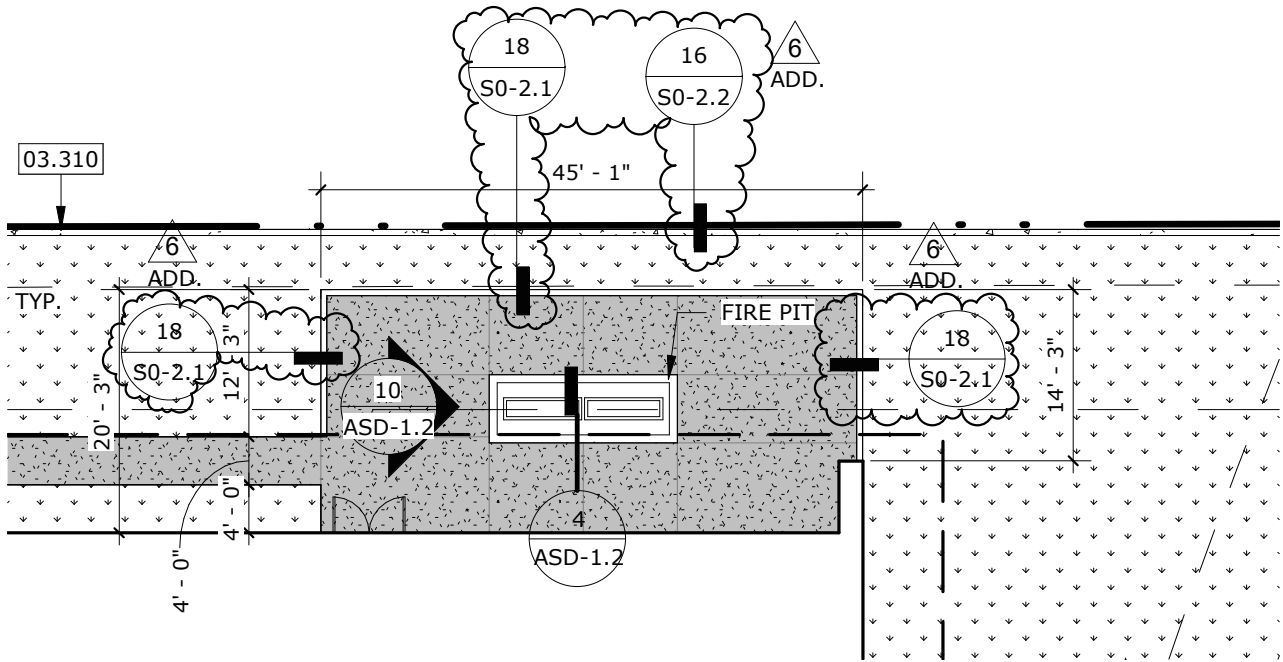
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3.06 PROTECTION

- A. Protect canopy after installation to prevent damage due to other work until Date of Substantial Completion.

END OF SECTION

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DELTA # 6 DATE 05/15/24 ADD AFO CCD REV

9/AS-2.1 - ENLARGED SITE PLAN

Scale: **1/16" = 1'-0"**

INCREMENT 3

**MOUNT TRANSIT ADMINISTRATION FACILITY
BIG BEAR LAKE**

5/14/2024 2:35:20 PM

RUHNAUCLARKE.COM
3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501(951) 684 4664
5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010(760) 438 5899

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