

PROJECT MANUAL

PROJECT	SANTA BARBARA CENTER FOR ART, SCIENCE & TECHNOLOGY
ADDRESS	513 Garden Street Santa Barbara, CA 93101
DATE	April 10th, 2014 BID SET
REVISIONS	
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PREPARED BY	MACY Architecture 315 Linden Street San Francisco, CA 94102 tel: (415) 551-7633

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02070 SELECTIVE DEMOLITION

Remove portions of the existing structure and surrounding areas to the extent necessary to accommodate the new work. It is the responsibility of the Contractor to be sufficiently familiar with the existing conditions in order to determine the appropriate scope of the demolition work required.

Contractor shall verify existing conditions and notify Architect of any discrepancy between actual conditions and those shown on Architectural or Structural plans before proceeding with work.

Contractor shall take care to preserve and protect existing features that are to remain.

Properly dispose of all debris per jurisdictional requirements.

02600 DRAINAGE AND CONTAINMENT

SCOPE

- * Storm water collection/management from roof areas into Rainwater Cisterns and municipal storm sewer system per the Drawings.
(Coordinate with Civil Drawings and Specifications.)
- * Downspout Nozzle

MATERIALS

Downspout Nozzle:

- Type: Cast nickel bronze downspout nozzle with anchor flange, countersunk mounting holes, and IPS threaded (standard), no hub, or push-on connection.
- Manufacturer/Model: Watts #RD-940, Spindale, NC, tel: (828) 288-2179, www.watts.com.
Install per manufacturer’s instructions.

SUBMITTALS

(4) copies cut-sheets, all system components.

02840 DETECTABLE WARNING SURFACE

SCOPE

- * Site Plan
(Coordinate with Civil Drawings and Specifications.)

MATERIALS:

- Manufacturer: StrongGo Industries; tel: (866) 439-3216;
<http://www.stronggo.com>
- Product: TekWay Dome-Tiles
- Color: Federal Yellow
- Thickness: 11/16”
- Width / Length: 30” x 36”

INSTALLATION:

Install per Manufacturer's recommended instructions.
See notes in Civil Drawings.

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) 6 inch x 6 inch samples of specified panel material.

02870 SITE FURNISHING

SCOPE

- * Bicycle Racks

MATERIALS

Bicycle Rack (Quantity: 3 total.):

Type:	3V
Finish:	Hot-dipped galvanized (manufacturer standard)
Capacity Size:	2-3 Bikes
Manufacturer / Model:	Prefabricated "3V Rack" item #3V-IG-DV as manufactured by Dero Bike Racks, Minneapolis, MN; tel: (800) 535-7631; www.dero.com .

INSTALLATION:

Install per Manufacturer's recommended instructions.

SUBMITTALS

- (4) copies cut-sheets, all system components.

03050 CONCRETE

SCOPE

- * Interior First Floor Concrete Flooring + Interior Concrete Curb (Coordinate with Structural Drawings)
- * Exterior Horizontal Surfaces (Coordinate with Civil Drawings)
- * Recessed Seating @ Garden Street Façade (Coordinate with Structural Drawings)

MATERIALS:

Interior First Floor Concrete Flooring + Interior Concrete Curb

Description:	Smooth, Non-Absorbent Finish. 2-part system (Primer + Topcoat) to be built-up per manufacturer's suggested film thickness to protect horizontal and vertical concrete surfaces with a water clarity and mirror-like smoothness and gloss.
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Manufacturer:	Versatile Building Products; tel: (800) 535-3325; http://www.garagecoatings.com
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Primer / Sealer: 5205 Hybrid Polyurea or Architect-approved equal.
Topcoat Sealer: 5108 Polyaspartic or Architect-approved equal.
Color: Clear
Finish: Per Manufacturer, Smooth High Gloss "Mirror Like" Film

Exterior Horizontal Surfaces

Finish: Exposed Aggregate

Recessed Seating @ Garden Street Façade

Finish: Hard Trowel Smooth

INSTALLATION:

Install per Manufacturer's recommended instructions.

SUBMITTALS

(4) sets product data sheets all components

05500 METAL FABRICATIONS

SCOPE

- * Vehicular Gate
(See Structural Drawings & Specifications)
- * Exterior Glass Guardrails.
(Coordinate with "08800 Glazing Specialties.")
- * Perforated Stair
(See Structural Drawings & Specifications.)
- * Trash Enclosure
(See Structural Drawings & Specifications.)
- * Perimeter "Storage" Fence
(See Structural Drawings & Specifications.)
- * Wireways
(See Electrical Drawings & Specifications.)
- * Photovoltaic Panel Supports
(See Structural Drawings & Specifications.)
- * Catwalks
(See Structural Drawings & Specifications.)
- * Illuminated Handrail
(See Electrical Drawings & Specifications.)
- * Table for Recessed Seating @ Garden Street Façade

- * Handrails
- * Stainless Steel Restroom Surround
- * Weathering Steel Panel
- * Guardrail @ Drinking Fountain

VEHICULAR GATE

Fabricate in configurations as indicated on the Drawings using best standard practices.

Grind all joints/welds smooth.

Square Tube

@ Gate Columns: See Structural Drawings & Specifications

@ Gate Frame: 2" Square 14 ga. Galvanized Steel Tubing.

Panels: See "Weathering Steel Siding System"

Steel Bar: 1"x 3/8" Type 316.

Steel Plate (Security): 7 ga., Type 316

Hardware:

Gate Hinges: "HD BADASS" Part #C13500 adjustable hinge as manufactured by Shut It Gate Hardware, Tuscon, AZ, tel: (520) 320-0680, www.shutitgatehardware.com
Install per manufacturer's instructions.

Door Hinges: See Hinges specified under "08700 Door Hardware"

Panic Bar: "Series 35A Exit Device" Part #C13500 as manufactured by Von Duprin Division Ingersoll Rand Company, Indianapolis, IN, tel: (800) 999-0408, www.vonduprin.com
Or Architect approved equal.

Device Length: 3'
Finish: Dull Chrome.
Strike: 1439 – Dull Black.
Latch Bolt: Deadlocking, 3/4" throw.
Rim Device: Lever (35A-L).
Install per manufacturer's instructions.

Knox Box: Part: #3274 "3200 Series" as manufactured by Knox Company, Phoenix, AZ; tel: (800) 552-5669. Recessed, Hinged Door with Dark Bronze Finish. Subject to approval by the city of Santa Barbara Fire Dept.

Suggested Fabricator:

Central Coast Gates, Atascadero, CA 93422; tel: (714) 670-8980
Contact: Joe Williams

PERFORATED STAIR

Fabricate from stainless and carbon steel per the Architectural and Structural Drawings.

Weld and grind all exposed joints smooth.

Perforated Treads & Risers as indicated:

Material: Stainless Steel 316
Pattern: 1/4 inch diameter holes at 3/8 inch staggered centers (40% open).
Thickness: 11 gauge (0.12 inch min.)
Finish: Clean, Smooth Satin.

Stringer as indicated:

Material: Stainless Steel 316
Thickness: 7 gauge (0.12 inch min.)

Fabricate in continuous segments from standard 4 ft. x 10 ft. sheets. (Straight rows parallel to length).

Suggested Supplier: Diamond Perforated Metals, Visalia, CA; tel: (800) 642-4334;
www.diamondperf.com.
McNichols, Hayward, CA; tel: (877) 884-4653; www.mcnichols.com.
Grating Pacific, Tracy, CA; (800) 491-7999; www.gratingpacific.com.

Carbon steel finish: "Natural dark patina look; mottled, layered, textured and sealed".
Clean surface of all oils, oxides and residues.
Field-apply cold "Traditional Brown Patina" followed by "Clear Metal Wax"
protective sealer, supplied by Sculpt Nouveau; Escondido, CA tel: (800)728-
5787; Contact: Ron Young www.sculptnouveau.com.
Apply patina treatment and wax sealer per Supplier's recommended
instructions.

Contrasting Striping: See "Painting 09900"

TRASH ENCLOSURE

Description: Similar to "Perimeter Storage Fence"

Panels: See "Weathering Steel Siding System"

Metal Channel Framing:

Manufacturer: Unistrut; www.unistrut.us

Materials:
Channel: P1001, P1000
U-Shape: P1047

Finish: Channel: Pre-galvanized (PG)
Fittings: Electro-galvanized (EG)
(Do not paint.)

PERIMETER “STORAGE” FENCE

Panels: See “Weathering Steel Siding System”

Metal Channel Framing:

Manufacturer: Unistrut; www.unistrut.us tel: (800) 772-3130 or Architect approved equal.

Materials:

Channel:	PI001, PI000
Bracket:	P2543 (18”)
U-Shape:	PI047

Finish: Channel: Pre-galvanized (PG)
Fittings: Electro-galvanized (EG)
(Do not paint.)

P.V. SUPPORTS

Description: Modular System PV support system without Roof Penetration.

Metal Channel Framing:

Manufacturer: Unistrut; www.unistrut.us tel: (800) 772-3130 or Architect approved equal.

Materials:

Channel:	PI000T, P5000T
Bracket:	P2941
Pier:	UP-BK
Adjustable Hinge:	PI843
Wing Shape:	P2346
Channel Nut:	P3008
Slot Adapter:	HOCW037
Screw:	3/8” HHCS
Clamp:	SLR 100, SLR 150

Finish: Channel: Pre-galvanized (PG)
Fittings: Electro-galvanized (EG)
(Do not paint.)

WIREWAYS

Description: Compartments within “Channel” can become UL listed raceway with utilization of standard “Unistrut” fittings e.g. “Snap-in Closure Strip” #PI184. Coordinate with Electrical.

Locations: Individual Workshops 101, 103, and 105.
Storage Rooms 102, 104, and 106.

Metal Channel Framing:

Manufacturer: Unistrut; www.unistrut.us tel: (800) 772-3130 or Architect approved equal.

Materials:

Channel:	PI001, PI000
Bracket / 90 Angle:	PI326

Closure Strip: PI 184P
U-Shape: P1047
Duplex: P2557

Finish: Channel: Pre-galvanized (PG)
Fittings: Electro-galvanized (EG)
(Do not paint.)

CATWALKS

Fabricate from stainless steel per the Architectural and Structural Drawings.

Grind all steel joints/welds smooth.

Bar Grating:

Material: Stainless Steel Type 316
Bar Height: 1 1/2"
Bar Thickness 3/8"
Type: Close Mesh "GCM Series" (7/16" bar spacing)
Surface: Smooth

Guardrail: see "Glazing Specialties 08800"

Suggested Supplier: McNichols, Hayward, CA; tel: (877) 884-4653; www.mcnichols.com.
Grating Pacific, Tracy, CA; (800) 491-7999; www.gratingpacific.com.

ILLUMINATED HANDRAIL

Description: Glue together, modular system.

Manufacturer: C.R.Laurence, Tustin, CA, tel: (800) 421-1372 or Architect approved equal.

Type: Stainless Steel 316

Finish: Brushed Stainless

Cap Rail: Catalog Number: GR16BS6

Rail Bracket: Catalog Number: HR3EGBS "Malibu Series Glass Mounted"

Rail Bracket Saddle Adapter: Catalog Number: LEDSI6S

End Cap: Catalog Number: GR16ECBS

Sleeve: Catalog Number: GR16CSS

Note: For Light Fixture see Electrical Drawings and Specifications

TABLE FOR RECESSED SEATING @ GARDEN STREET FACADE

Steel Pipe: 3" seamless, Type 316

Steel Plate: 7 ga., Type 316

Finish: Clean, Smooth Satin.

Table Top: See "06400 Cabinetry"

HANDRAILS

Description:	Glue together, modular system.	
Manufacturer:	Q-Railing, Tustin, CA, tel: (714) 259-1372 or Architect approved equal.	
Type:	Stainless Steel 316	
Finish:	#4 Satin	
Rail Tube:	Mod: 0900 / 8925 – 1 ½” Article Number: 14.8925.038.12	
Rail Elbow:	Mod: 0308 Mod: 0302	Article Number: 14.0308.038.12 or Article Number: 14.0302.038.12
Rail Cap:	Mod: 5732	Article Number: 14.5732.038.12
Rail Corner:	Mod: 0301	Article Number: 14.0301.038.12
Rail Connector:	Mod: 0790	Article Number: 14.0790.038.12
Handrail Bracket:	Mod: 0121	Article Number: 14.0121.038.12
Bracket Hardware:	Hanger Bolt Handrail Screws	Article Number: 93.0100.800.14 and Article Number: 94.0511.516.14

STAINLESS STEEL RESTROOM SURROUND

Description:	To be coordinated with "BATH ACCESSORIES SCHEDULE" and "PLUMBING FIXTURE SCHEDULE" per Drawings to accommodate recessed and surface mounted fixtures and accessories.
Type:	Stainless Steel 304.
Thickness:	11 Gauge (1/8" Thickness).
Stainless steel finish:	Smooth satin.
Note:	Round corners with 1" radius as indicated on drawings.

WEATHERING STEEL PANEL

Material:	Weathering Steel, ASTM A606 Type 4.
Thickness:	14 or 16 gauge (verify prior to ordering).
Standard Panel Width:	4 feet (nominal – see Drawings).
Standard Panel Length:	8 feet or 10 feet (nominal – see Drawings).
Quantities:	as indicated on the Drawings.
Suggested Supplier(s):	Blackwood Associates; tel: (707) 422-7481; www.weathersteel.com . Western States Decking; tel: (855)426-7836; www.corten.com .

As Weathering Steel Rainscreen System:

Weather Barrier:	See “07270 Elastomeric Weather Barrier System”
Furring:	Material: Acetylated (pressure-treated) wood for exterior applications; Manufacturer: Accoya; www.accoya.com . Sizes: nominal 2x2 (actual: 1-1/2 inches x 1-1/2 inches) and 1x2 (actual: 3/4 inch x 1-1/2 inches.) – see Drawings. Supplier: Custom-milled into required profiles by Royal Plywood Company, Cerritos, CA; tel: (562) 404-2989 www.royalplywood.com . Note: Prime and paint black (2 coats minimum) all sides of Furring strips prior to installation.
Panel Fastener (visible):	#14 x 1-1/2 inch, Stainless Steel, Type 316 (marine grade), Pan Head Wood Screw (Phillips or square drive.)
All other Fasteners (concealed):	Stainless steel type 316 (marine grade); sized as appropriate.
Note:	Panels to be pre-drilled with uniform locations.
Execution:	Apply Elastomeric Coating to existing (painted) plywood siding per manufacturer’s installation instructions. (Perform test to ensure compatibility and good adhesion.) Install all sheetmetal flashing components (see “07600 Sheetmetal”). Install (painted) Furring in configurations as indicated on the Drawings; fasten securely through siding/sheathing directly into wall framing. This provides the required “air space” behind the panels. (Make certain to locate these fasteners so they do not conflict with subsequent fasteners used to attach the rainscreen Panels.) Fabricate/trim Panels to the required dimensions and pre-drill slightly oversized holes to accept Panel Fasteners. Securely attach Panels to Furring using specified Panel Fasteners. Maintain uniform gaps between adjacent Panels as well as Panels and adjacent surfaces as indicated on the Drawings.

GUARDRAIL AT DRINKING FOUNTAIN

Description:	Glue together, modular system. Similar to “Handrails” To be cast in concrete base.
Manufacturer:	Q-Railing, Tustin, CA, tel: (714) 259-1372 or Architect approved equal.
Type:	Stainless Steel 316
Finish:	#4 Satin

Rail Tube: Mod: 0900 / 8925 – 1 ½” Article Number: 14.8925.038.12

Rail Corner: Mod: 0301 Article Number: 14.0301.038.12

SUBMITTALS

- (4) sets shop drawings, complete.
- (4) 8 inch x 8 inch samples of each metal type with specified finish.

05510 ALTERNATING TREAD STAIR

Prefabricated “68 Degree Aluminum Stair Unit” as manufactured by Lapeyre Stair, New Orleans, LA; tel: (800) 535-7631; www.lapeyrestair.com. Coordinate overall height per the Drawings.

Safety Gate:

Manufacturer: PS Doors, Grand Forks, ND, tel: (701) 746-4519 or Architect approved equal.

Product: Ladder Safety Gate GAL 24

Finish: Hot Dipped Galvanized

Powder Coat: Alternating Tread Stair, Safety Gate, and associated hardware to be powder coated. Color to be selected by Architect.

Plastic Panel: See “06600 Plastic Panel.”

06200 FINISH CARPENTRY

SCOPE

- * Baseboard, typical.

BASEBOARD

Coordinate with “09250 Gypsum Board”, and “09900 Painting”.

Fabricate from 3/4 inch thick formaldehyde-free medium density fiberboard (“Medite”, “Medex” or equal, m.d.f.) in configurations as shown the Drawings.

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) 8 inch x 8 inch samples of edge-banded paneling with specified finish.

06400 CABINETS

SCOPE

- * Accessible Studio Dwelling Unit 111A: Upper and Lower Cabinetry at Kitchenette + Wardrobes.
- * Studio Dwelling Units 201A, 202A, 203A, 204A, 205A, 205A, 301A, 302A Upper and Lower Cabinetry at Kitchenette + Wardrobes.
- * Accessible Studio Dwelling Unit 111A: Upper and Lower Cabinetry at Kitchenette + Wardrobes.

WARDROBES, TYPICAL

Locations: Studio Dwelling Units 111A, 201A, 202A, 203A, 204A, 205A, 205A, 301A, 302A

Pre-Manufactured Wardrobe System:

- Type: Pre-Manufactured System.
- Manufacturer: IKEA.
- Frames: "Akurum" system (color: white.)
- Doors (swinging): "Applad" (satin white)
- Depth (overall): 24 inches.
- Unit Widths: 24 inches.
- Unit Height: 88 inches.
- Pulls: IKEA "Blankett 2-inch" #902.222.33 (aluminum.)
IKEA "Blankett 15-inch" #902.222.33 (aluminum.)
IKEA "Blankett 30-inch" #902.222.33 (aluminum.)
- Legs: Akurum, leg, black.
- Hanging Bar: "Komplement" (white) cut to size.

Manufacturer's Cabinet Sizes / Model Numbers as indicated on the Drawings.

Furnish and install complete with all necessary matching fixed (infill) panels, legs, cover panels, etc.

CABINETS & COUNTERTOPS

Cabinets:

- Locations: Studio Dwelling Units 111A, 201A, 202A, 203A, 204A, 205A, 205A, 301A, 302A
- Type: Pre-Manufactured System.
- Manufacturer: IKEA; www.ikea-usa.com
- Frames: "Akurum" system (white melamine).

Panels: "Applad" system (satin white).
Pulls: IKEA "Blankett 2-inch" #902.222.33 (aluminum.)

Manufacturer's Cabinet Sizes / Model Numbers as indicated on the Drawings.
Furnish and install complete with all necessary matching fixed (infill) panels, legs, cover panels, etc.

Countertops:

Locations: Studio Dwelling Units 111A, 201A, 202A, 203A, 204A, 205A, 205A, 301A, 302A
Recessed Seating @ Garden Street Facade

Fabricate in largest continuous segments possible; in configurations as indicated on the Drawings.

Description: Engineered "quartz" stone.
Type: "Pebble" #4030H (matte/honed finish).
Manufacturer: Caesarstone, Van Nuys, CA; tel: (818) 779-0999; www.caesarstoneus.com/
Thickness: 2 cm (approx. 3/4")
Finish: Honed
Edge Profile: "Mitered Apron" (1 1/2")
Note: Use appropriate water-resistant substrate.
Integrate/blend in kitchen sink seamlessly. (See "15400 Plumbing".)

SUBMITTALS

- (4) sets shop drawings, complete.
- (4) copies cut-sheets, all system components.
- (4) 4 inch x 4 inch samples specified countertop material.

06600 PLASTIC PANEL

SCOPE

- (2) Safety Gates at Alternating Tread Stairs, (1) Side Panel on South face of Alternating Tread Stairs @ Studio Dwelling Unit 301A. (See Architectural Drawings)

Material: Transparent Cast Acrylic.
Color: To be selected by Architect.
Thickness: 1/4"
Size: Cut to size per Architectural Drawings.
Suggested Supplier(s): Blackwood Associates; tel: (707) 422-7481; www.weathersteel.com.

07180 WATERPROOF DECK SYSTEM

Type:	Fire-retardant walking deck and roof covering system. Multi-step polymer modified cementitious system designed to incorporate a fiberglass reinforced acrylic resin waterproof membrane.
Materials:	Metal Lath, Desert Crete Poly Base, Desert Brand Bonder 480, Fiberglass Matting, Desert Crete Texture, Desert Crete Liquid Polymer, and Desert Brand CMFPS
Manufacturer:	Hill Brothers Chemical Company, Orange, CA; tel: (800) 438-8515; www.desertbrand.com/ or Architect-approved equal.
Product:	Desert Crete Decking System or Architect-approved equal.
Finish:	Standard knock down finish.
Color:	“Monterey Grey” or Architect-approved alternative.
Contrasting Stripping:	See “09900 Painting Schedule.”

Install per manufacturer’s recommended installation instructions in configurations as indicated on the Drawings. Install over sloping plywood substrate per manufacturer’s instructions and details to create watertight installation.

SUGGESTED INSTALLER

Western Magnesite Company, tel: (707) 241-5631; Contact: Trevor K. Sheldon

SUBMITTALS

(4) copies cut-sheets, all system components.

07210 INSULATION

Coordinate with other trades and related work as required.

MINERAL WOOL BATT INSULATION

Install in 2nd Floor and 3rd Floor joist cavities enclosing conditioned space, unless floor joist is a Roof (see below Spray Foam insulation).

Manufacturer: Thermafiber, <http://www.thermafiber.com/>

Product: “UltraBatt” Mineral Wool Insulation. R-19 min.

BATT INSULATION

Install at all exterior framed walls enclosing conditioned space.

Manufacturer: Bonded Logic, tel: (480) 812-9114, www.bondedlogic.com.

Product: “UltraTouch” natural recycled cotton fiber insulation. R-19 insulation, 5-1/2 inch batt.

SPRAY-FOAM INSULATION

Install at all roof and exterior soffit cavities enclosing conditioned space.

Manufacturer: BioBased Systems, tel: (800) 803-5189, www.biobased.net, Icynene, tel: (800) 758-7325 or Architect-approved equal.

Product: BioBased 501 "Semi-Open Cell Spray Soy-Based, Polyurethane Foam" or Architect-approved equal.

Install to completely and uniformly fill framing cavities to prevent any moisture migration; especially at roof areas. It is critical that this insulation does not allow the migration of any moisture or vapor from the interior into the roof areas since the roof assembly is intended to be a "non-ventilated" system.

Depth as necessary to achieve minimum R-30 rating (approx. 7.5 inches, nominal).

Install per manufacturer's suggested installation instructions as indicated on the Drawings.

SUBMITTALS

(4) copies cut-sheets, all system components.

07270 ELASTOMERIC WEATHER BARRIER SYSTEM

SCOPE

* All exposed weather barrier / rainscreen elements including but not limited to window / door flashing and acetylated wood furring strips @ Weathering Steel Siding System and Fiber Cement Panel Siding System.

MATERIALS

Type:	UV resistant, water based elastomeric emulsion membrane, fire resistant and designed for permanent exposure
Components:	Air barrier membrane components and accessories must be obtained as a single-source from the membrane manufacturer to ensure total system compatibility and integrity.
Manufacturer:	Henry Company, El Segundo, CA; tel: (800) 598-7663; www.henry.com or Architect-approved equal.
Product:	Air Bloc 33MR or Architect-approved equal + components and accessories.
Color:	Black (Integral)

Install per manufacturer's recommended installation instructions in configurations as indicated on the Drawings.

SUBMITTALS

(4) copies cut-sheets, all system components.

07450 FIBER CEMENT PANEL SIDING SYSTEM

SCOPE

- * Fiber Cement Panel Siding System at Brow Elements.

MATERIALS

Fiber Cement Panel:	James Hardie, Mission Viejo, CA, tel: (800) 9-HARDIE or equal as approved by Architect.
Type:	“Smooth HardiPanel,” factory applied “PrimePlus” prime-coat.
Thickness:	5/16 inch (8mm).
Standard Panel Width:	4 feet (nominal).
Standard Panel Length:	8 feet or 10 feet (nominal).
Weather Barrier:	See “07270 Elastomeric Weather Barrier System”
Furring:	Acetylated wood (painted black.) Size: 3/4 inch x 2-1/2 inch, typical unless otherwise indicated.
Panel Fastener:	All fasteners to be concealed: stainless steel; sized as appropriate.

EXECUTION

Install per manufacturer’s recommended installation instructions in configurations as indicated on the Drawings.

Weatherproof structure with Weather Barrier over sheathing as indicated on the Drawings.

Install Furring; fasten securely through sheathing directly into wall framing (This provides the required “air space” behind the panels.)

Cut Panels to the required dimensions and pre-drill slightly oversized holes to accept Fasteners.

Securely attach Panels to Furring using specified Fasteners. Maintain uniform gaps between adjacent Panels as well as Panels and adjacent surfaces as indicated on the Drawings.

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) samples of each material in system (panel, weather barrier, fasteners.)

07600 SHEET METAL

SCOPE

- * Flashing at built-up roof edges and transitions.
- * Parapet flashing.
- * Sill/Threshold pan flashing and head drip flashing at windows and exterior doors.
- * Miscellaneous sheetmetal flashing elements throughout.

MATERIALS & INSTALLATION

Custom fabricate from standard aluminum sheet in configurations as shown on the Drawings.

Suggested aluminum sheet supplier: Coast Aluminum, Santa Fe Springs, CA; tel: (800) 610-6061;
www.coastaluminum.com

Thickness, typ.: .040 inch.

Finish: Pre-finished black satin anodized - exterior quality (do not paint!).

Standard Sheet Sizes / Part Numbers:

- 48 inches x 96 inches / #040SHBL-96.
- 48 inches x 120 inches / #040SHBL-120.
- 48 inches x 144 inches / #040SHBL-144.

Properly isolate from any dissimilar metals to prevent any galvanic corrosion.

Corners to be mitered, seamed and sealed.

Install in longest continuous lengths possible.

Use flush, in-plane seams at all joints between sections (use splice plates, 6 inch wide minimum; no lap joints); seams to be sealed.

Install continuous backing and/or cleats as required to eliminate any possibility of oil-canning, and to ensure a straight, level, consistent and smooth appearance.

SUBMITTALS

- (4) sample mock-ups of each sheet metal flashing component/system.

08200 WOOD & FIBERGLASS DOORS AND FRAMES

SCOPE

- * Wood, Fiberglass, and Fiberglass/Glass (i.e. Stile & Rail) Doors.
- * Door Types B, E, F, H, I and K.
- * See Drawings (Plans, Elevations and Details) and Door Schedule for configurations / operations.
- * Field verify all sizes (and required rough openings) in order to achieve desired relationships as indicated on the Drawings.

WOOD:

Location: Interior and Exterior.

Manufacturer: T.M. Cobb, www.tmcobb.com, or Architect-approved equal.

Type: Flush panel solid core (factory-primed).

Thickness: 1-3/8 inch, typical unless otherwise noted.

Faces: Paint-grade birch veneer to receive paint finish.
(see "09900 Painting").

Hardware: Factory-prep for all hardware per Schedule.

Notes: Fire-rated requirements where noted on Schedule.
Interior Grade unless noted as Exterior Grade on Schedule.

FIBERGLASS:

Location: Exterior

Manufacturer: ThermaTru, Maumee, OH, www.thermatru.com or Architect-approved equal.

Type: Smooth Star Flush Panel (factory-primed)

Model: Non-Fire Rated: #S100
1 ½ Hour Fire Rated: #SE100 (Steel Edge)

Faces: Paintable:
(see "09900 Painting").

Hardware: Factory-prep for all hardware per Schedule.

Notes: Fire-rated requirements where noted on Schedule.

FIBERGLASS / GLASS :

Location: Exterior

Manufacturer: ThermaTru, Maumee, OH, www.thermatru.com or Architect-approved equal.

Type: Stile & Rail (factory-primed) with single glazed panel.

Model: Obscure Glass: #S2000
Clear Glass: #S118

Thickness: 1-3/4 inch, typical unless otherwise noted.

Faces: Paintable:
(see "09900 Painting").

Glazing: Clear or Obscure per Schedule.
Porthole @ Entry Gate Door #15

Hardware: Factory-prep for all hardware per Schedule.

Note: Fire-rated requirements where noted on Schedule.

Square edge; width as required for "trimless" installation (no trim moldings), see Drawings.

FRAMES:

- Interior: Paint-grade finger-jointed clear pine to receive paint finish.
(see "09900 Painting").
- Square edge; width as required for "trimless" installation (no trim moldings), see Drawings.
- Exterior: Full formed, concealed fastenings, mitered corners, knock down for in place wall construction. Fire-rated and UL labeled as indicated and required. Shapes: standard 2 inch profile with 1/2 inch return.
- Material: 16 gauge cold rolled steel. Fill corners with mineral filler, full profile and return, to eliminate all traces of joint. Hot-dip galvanize after fabrication and provide integral head/sill drip and flashing for watertight installation.
To receive paint finish (see "09900 Painting").

SUBMITTALS

- (4) copies cut-sheets, all system components.

08510 STEEL WINDOW SYSTEMS

SCOPE

- * Window Type B, G, H, I

MATERIALS

- Manufacturer(s): Torrance Steel Window Co., Inc., Torrance, CA tel: (310) 328-9181;
<http://www.torrancesteelwindow.com>
- Fyre-Tec., Inc., Wayne, NE tel: (800) 377-3261;
<http://www.fyre-tec.com/>
- Material: Steel.
- Finish: Standard black
- Glazing: 1/4" Wire Glass

WINDOW TYPE B and TYPE I

- Series / Style: Torrance Steel 2000-series (3/4 HR)
Fyre-Tec 950-Series (3/4 HR)
- Operation: Fixed Lite
- Note: No screen(s).

WINDOW TYPE G

Series / Style: Torrance Steel 2000-series ($\frac{3}{4}$ HR)
Fyre-Tec 950-Series ($\frac{3}{4}$ HR)

Operation: Fixed Lite

Note: No screen(s).

WINDOW TYPE H

Series / Style: Torrance Steel 2000-series ($\frac{3}{4}$ HR)
Fyre-Tec 950-Series ($\frac{3}{4}$ HR)

Operation: Fixed Lite

Note: No screen(s).

08520 ALUMINUM DOOR AND WINDOW SYSTEMS

SCOPE

- * Door Types A, C, D, and J.
- * Window Types A, C, D, E, F, K, L, and M.

MATERIALS

Manufacturer(s): Ventana Aluminum, San Francisco, CA tel: (415) 822-6370;
Contact: Antonio Rossi

Torrance Aluminum, Perris, CA tel: (800) 433-5648;
<http://www.torrancealuminum.com>

All Weather Architectural Aluminum, Vacaville, CA tel: (707) 452-1616;
<http://www.allweathersweb.com>

Bonelli Windows & Doors, So. San Francisco, CA tel: (650) 873-3222;
<http://www.bonelli.com>

Blomberg Window Systems, Sacramento, CA tel: (916) 428-8060;
<http://www.blombergwindowssystem.com>

Window Type: Nominal 1.5 inch non-thermal aluminum window system.

Finish: Standard black or dark bronze satin anodized, Architectural Class I (.018mm)

Glazing: Low-E insulated type, 1 inch overall thickness (unless otherwise noted).
U -Value = 0.35 or better. Tempered as required by Code.

Frame: Standard, typical u.o.n. as Deep Recessed Frame or Offset Frame.
(See Window Schedule).

Glazing Bead: Square extruded aluminum (no bevel).

Door
Hardware: Manufacturer's Standard

Window Hardware: Push Out, Cam Handle Locks. All visible levers, operators, hinges, etc. to be “dark bronze” in order to be as unobtrusive as possible.

DOOR TYPE A

Series / Style: Fleetwood 1000 series as supplied by Ventana Aluminum.
All Weather 8000 Series.
Torrance 700 Series.
Blomberg 680 Series.
Bonelli 800 Series.

Operation: Sliding Glass Pocket Door. (w/ nail fin).

Note: No screen(s).

DOOR TYPE C

Series / Style: Fleetwood 1000 series as supplied by Ventana Aluminum.
All Weather 8000 Series.
Torrance 700 Series.
Blomberg 680 Series.
Bonelli 800 Series.

Operation: Corner Sliding Glass Pocket Doors. (w/ nail fin).

Note: No screen(s).

DOOR TYPE D

Series / Style: Fleetwood 1000 series as supplied by Ventana Aluminum.
All Weather 8000 Series.
Torrance 700 Series.
Blomberg 680 Series.
Bonelli 800 Series.

Operation: Double Sliding Glass Door (w/ nail fin).

Note: No screen(s).

DOOR TYPE J

Series / Style: Fleetwood 1000 series as supplied by Ventana Aluminum.
All Weather 8000 Series.
Torrance 700 Series.
Blomberg 680 Series.
Bonelli 800 Series.

Operation: Sliding Glass Door (w/ nail fin).

Note: No screen(s).

WINDOW TYPE A

Series / Style: Ventana 900 Series (non-thermal)
All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).

Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Fixed (w/ nail fin).

Note: No screen(s).

WINDOW TYPE C

Series / Style: Ventana 900 Series (non-thermal)
All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).
Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Awning (w/ nail fin).

Note: No screen(s).

WINDOW TYPE D

Series / Style: Ventana 900 Series (non-thermal)
All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).
Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Casement (w/ nail fin).

Note: No screen(s).

WINDOW TYPE E

Series / Style: Ventana 900 Series (non-thermal)
All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).
Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Combo Fixed / Awning (w/ nail fin).

Note: No screen(s).

WINDOW TYPE F

Series / Style: Ventana 900 Series (non-thermal)
All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).
Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Combo Awning / Fixed (w/ nail fin).

Note: No screen(s).

WINDOW TYPE K

Series / Style: Ventana 900 Series (non-thermal)

All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).
Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Combo Fixed / Casement (w/ nail fin).

Note: No screen(s).

WINDOW TYPE L

Series / Style: Ventana 900 Series (non-thermal)
All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).
Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Combo Casement / Awning (w/ nail fin).

Note: No screen(s).

WINDOW TYPE M

Series / Style: Ventana 900 Series (non-thermal)
All Weather 3000 Series (non-thermal).
Torrance 1500 Series (non-thermal).
Blomberg 450 Series (non-thermal, 1400 series for non-recessed window).
Bonelli 700 Series (non-thermal).

Operation: Double Casement (w/ nail fin).

Note: No screen(s).

SUBMITTALS

(4) copies cut-sheets, all system components

08700 DOOR HARDWARE

SCOPE

* Hardware Groups: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15.

HARDWARE

Finish: "Satin Chrome," typical unless otherwise noted.

Access Control: Manufacturer: Sargent; www.sargentlock.com
Model: DGI 21 S2-82276 IAL
Function: Keycard (WiFi + Battery) + Master Key
Lever: "J-Lever"

Surface Bolt: Rockwood, 630-4, Satin Chrome.

Lockset: Manufacturer: Sargent; www.sargentlock.com
Model: 49 8266, Satin Nickel
Lever: "J-Lever"

Latchset: Manufacturer: Emtek; www.emtek.com.
Series: "Conceal Fastener Mechanism" (28 degree rotation).
Backset: 2-3/4 inch, unless otherwise noted.
Lever: "Cologne" Stainless Steel
Rose: "Disk" 2-1/2 inch diameter.

Storeroom Lock: Manufacturer: Sargent; www.sargentlock.com
Model: 7G04, Satin Chrome
DG I 21 28 7G04 LL
Lever: LL

Deadbolt Type 1: Sargent 470 Series, Single Cylinder, Satin Chrome.

Deadbolt Type 2: Emtek "Stainless Steel Round Deadbolt," Single Cylinder. #S5001

Door Closer: Sargent, 351 CPS.

Silencer: Rockwood, 608.

Panic Hardware: Hager Co, or approved equal.

Sweep: Pemko, 18061SN, Satin Nickel.

Kickplate: Rockwood #k1050. Satin Stainless Steel. 0.50" Thick. 10" Min. Height. Both Sides. Full Door Width. Countersunk Holes.

Viewer: Rockwood, Item No. 622, Dull Chrome (DCRM)

Hinge: Hager Hinge Co., or approved equal.

Type: Full Mortise, 5 Knuckle Barrel, Button Tip.
Bearings: Ball-type.
Base metal: Stainless steel with stainless steel pin (unless otherwise required by Code).

	Typical Type:	#1191
	Self-Closing Type:	#1150 – spring hinge
Threshold:	Pemko, 271SN, Satin Nickel	
Seals:	Silicon, self-adhesive, continuous frame/jamb-mounted type (color: white or black per Architect, verify).	
Stop, floor:	Trimco “Universal Dome” #1211 (or Baldwin, Ives or approved equal.)	
Pocket Door Set:	Pocket door frame: Johnson Hardware #1500 Series set (complete with track, carriers, concealed floor guide and stop) or approved equal.	
	Pocket door converging door kit: Johnson Hardware #1555.	
	Concealed door edge pull: Trimco #1063 (or Baldwin, Ives or approved equal.)	
	Pocket door pull, privacy: Trimco #1065 (or Baldwin, Ives or approved equal.)	
	Ball catch: Trimco #1555 (or Baldwin, Ives or approved equal.)	
	Flush pull: Trimco #1059 (or Baldwin, Ives or approved equal.)	

HARDWARE GROUPS

Group 1:

- 1 Hinge, Typical Type
- 2 Hinges, Self-Closing Type.
- 1 Access Control
- 1 Stop, floor.
- 1 Set seals.
- 1 Threshold.
- 1 Sweep

Group 2:

- 1 Hinge, Typical Type
- 2 Hinges, Self-Closing Type.
- 1 Access Control
- 1 Stop, floor.
- 1 Set seals.
- 1 Threshold.
- 1 Sweep
- 1 Viewer

Group 3:

- 1 Hinge, Typical Type
- 2 Hinges, Self-Closing Type.
- 1 Privacy Lockset
- 1 Stop, floor.
- 1 Set seals.
- 1 Threshold.
- 1 Sweep.
- 1 Kickplate.

Group 4:

- 1 Hinge, Typical Type
- 2 Hinges, Self-Closing Type.
- 1 Access Control
- 1 Stop, floor.
- 1 Set seals.
- 1 Threshold.
- 1 Sweep.
- 1 Kickplate.

Group 5:

- 1 Hinge, Typical Type
- 2 Hinges, Self-Closing Type.
- 1 Access Control
- 1 Stop, floor.
- 1 Set seals.
- 1 Threshold.
- 1 Sweep.
- 1 Kickplate.
- 1 Viewer

Group 6:

- 1 Hinge, Typical Type
- 2 Hinges, Self-Closing Type.
- 1 Access Control
- 1 Stop, floor.
- 1 Set seals.
- 1 Threshold.
- 1 Sweep.
- 1 Viewer

Group 7:

- 4 Hinge, Typical Type
- 1 Access Control
- 1 Stop, floor.
- 1 Set seals.
- 1 Threshold.
- 1 Sweep.
- 1 Viewer
- 1 Surface Bolt
- 1 Deadbolt, Type I

Group 8:

- 3 Hinge, Typical Type
- 1 Privacy Latch Set
- 2 Silencer
- 1 Stop, floor.

Group 9:

- 1 Pocket Door Set.

Group 10:

- 1 Hardware by Door Manufacturer.

Group 11:

- 3 Hinge, Typical Type
- 1 Deadbolt, Type 2
- 1 Dummy Latchset
- 1 Stop, floor.

- I Set seals.
- I Threshold.
- I Sweep.

Group 12:

- 3 Hinge, Typical Type
- I Storeroom Lock
- I Stop, floor.
- I Set seals.

Group 14:

- 3 Hinge, Typical Type
- I Access Control (coordinate with intercom per Electrical Drawings).
- I Stop, floor.
- I Set seals.
- I Door Closer
- I Panic Hardware

SUBMITTALS

- (4) sets product data sheets on all hardware components.
- (4) copies of complete door and frame schedule.

08800 GLAZING SPECIALTIES

For glazing at various door and window systems and cabinetry, see their respective Specifications Sections.

SCOPE

- * Glass at "Waterproof Decks"
- * Glass at "Catwalks"

GLASS AT "GLASS GUARDRAILS @ WATERPROOF DECKS"

- Glass: 1/2 inch laminated and tempered.
- Glass Finish: Acid Etched one side. (Glossy side in)
- Glass Fabrication: One 3/4" (19 mm) Hole Per Fitting for Standoff.
- Standoff Fitting: Stainless Steel Dome 2-3/8" Glass Rail Dual-Standoff Fitting with Mounting Plate as manufactured by C.R. Laurence, www.crlaurence.com.
Finish: Stainless steel, brushed.
Model: #RSOB25BS.
Note: Order with Flat Top in place of Dome Top.
- Cap Railing: As manufactured by C.R. Laurence, www.crlaurence.com.

Finish: Special Order Type 316 Stainless Steel, Brushed.
- Cap Railing: Catalogue #: GRLC10BS
- Cap Railing Vinyl: Catalogue #: GR5PV
- Corner: Catalogue #: GRLC10HBS

Connector Sleeve: Catalogue #: GRL10CSS

End Cap: Catalogue #: GRLC10ECBS or GRLC10SECBS

Install per Manufacturer's recommended instructions.

GLASS AT "GLASS GUARDRAILS @ CATWALKS"

Glass: 1/2 inch laminated and tempered.

Glass Finish: Acid Etched one side.

Glass Fabrication: One 3/4" (19 mm) Hole Per Fitting for Standoff.
Note: Fabricate additional holes per fitting for "Metal Fabrications 05500 Illuminated Handrail"

Standoff Fitting: Stainless Steel Glass Rail Standoff Base and Cap as supplied by C.R. Laurence, www.crlaurence.com.
Finish: Special order Type 316 Stainless steel, brushed.
Model: #RSOB2134BS.

Diameter: 2" (51 mm)
Length: 1 3/4" (44 mm)

Rail Cap: As manufactured by C.R. Laurence, www.crlaurence.com.

Finish: Special Order Type 316 Stainless Steel, Brushed.

Cap Rail: Catalogue #: GRLC10BS

Cap Rail Vinyl: Catalogue #: GR5PV

Connector Sleeve: Catalogue #: GRL10CSS

End Cap: Catalogue #: GRLC10ECBS

Install per Manufacturer's recommended instructions.

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) 8 inch x 8 inch sample of each glazing type.

09240 STUCCO (PORTLAND CEMENT PLASTERING)

SCOPE

- * Stucco throughout.

MATERIALS

Stucco composition: Portland cement, hydrated lime, inert aggregates, water.

"Finish Coat": 1/8 inch thick, synthetic acrylic, smooth fine sand float finish, integral color as selected by Architect from manufacturer's standard colors.

"Finish Coat" manufacturer: Parex, Redan, GA, tel: (800)537-2739 or equal as approved by Architect.

Bonding agent: "Weld-Crete as manufactured by Larsen Product corp., Jessup Maryland, tel: (800) 633-6668 or equal as approved by Architect.

Overall Stucco finished thickness: 7/8 inch.

Reveal Moldings/Accessories: Vinyl Corp, Miami, FL, tel: (800) 648-4695, (unless otherwise noted) or approved equal. PVC type, standard white (paintable).

Weep Screed:	#FWS6678W (Sepcial "Foundation 7/8" ground, 3-1/2" unperforated flange).
Drip Screed:	#DS15-78 (1/4" Drip "V" Screed).
Drip Casing Bead:	#DCB100-25 (1 inch ground).
Casing Bead:	#6678L (7/8 inch ground, with 2-1/2 inch long flange).
Expansion Joint:	#4078-50 (7/8" ground) and #4075-50 (3/4" ground at overlap with #1578 or #6678). #50100-50 (1" ground as required)
Corner Bead:	#2 "heavy-duty" type, typ. (or as required).
Inside Corner:	#3178IC (7/8" ground)
Control Joint:	#1578 (7/8" ground) and #1575 (3/4" ground at overlap with #1578 or #6678). #15100 (1" ground as required)
Step Bead;	#STB150-75 (1-1/2" ground and 3/4" ground)

INSTALLATION

Install above-specified moldings where indicated on the Drawings per manufacturer's installation instructions. Complete with all necessary connector clips and accessories in order to ensure straight level continuous alignment of lengths.

In addition to locations specifically indicated on the Drawings, install above-specified Weep Screeds at the base of all stucco walls.

Install above-specified Corner Bead at all outside corners (unless indicated otherwise on Drawings) to maintain straight/level/crisp lines.

Install above specified Control Joint and Expansion Joint to be flush and maintain alignment with adjacent windows and doors as indicated on the Drawings.

At wood-framed walls, cover sheathing with building paper followed by wire mesh. Apply 1/2 inch "Scratch Coat". Follow with 1/4 inch "Brown Coat". Finish with 1/8 inch integrally-colored "Finish Coat".

Install stucco system per manufacturer's installation instructions and good standard workmanship practices to achieve smooth/level/uniform finish.

SUBMITTALS

(3) 6 inch x 6 inch samples of specified glazing(s)

09250 GYPSUM BOARD

SCOPE

* Gypsum board throughout.

MATERIALS

All gypsum board to be 5/8 inch thick. Type "X" is to be used at all fire-rated locations.

Provide metal corner beads at all vertical and horizontal "outside" corners.

Provide L-beads at all interior door jamb casings and as indicated on the Drawings.

Moldings (u.o.n.): Gordon Inc.; tel: (800) 747-8954; www.gordonceilings.com. (or Fry Reglet, tel: (800) 237-9773, www.fryreglet.com) as indicated on the Drawings. Extruded aluminum type (mill finish) to receive field-applied paint finish. Clean and tight installation at all in-line joints; miter all corners.

"Z" Reveal Molding (1/4 inch reveal): Gordon #314-5/8 or Fry Reglet #DRMZ-625-25.

Wall/Ceiling Reveal Molding (1/2 inch reveal) : Gordon #956-412-12 or Fry Reglet #DRCMT-50-50.

"F" Reveal" Molding (1/2 inch reveal): Gordon #FD-5812 or Fry Reglet #FDM-625-50.

Resilient furring: Standard 1/2 inch x 25 gauge steel channel.

INSTALLATION

Smooth finish on gypsum board throughout, Gypsum Association Finish Level 4.

SUBMITTALS

(4) copies cut-sheets, all system components.

09300 TILE

SCOPE

* Porcelain Ceramic Tile Flooring.

PORCELAIN CERAMIC TILE FLOORING

Type: Large-format through-color porcelain ceramic

Size: 100 cm x 100 cm x 3.5 mm (39.4 inch x 39.4 inch x 1/8 inch.)

Manufacturer: "Slimtech Plus" by Lea Ceramiche, www.ceramichelea.it

Collection: Gouache.10

Color: Crystal Water

Model: LSCGU45 1750

Grout Joint: Minimum possible (1/8 inch maximum.)

Grout Color: As selected by Architect.

Notes: Install per Manufacturer's recommended installation instructions; per best practices and per Tile Council of North America's recommended practices for installation
Upon completion of installation, seal with clear penetrating sealer as recommended by Manufacturer/Supplier.

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (2) 8 inch x 8 inch samples of each flooring system.

09700 SOLID SURFACE PANELING

SCOPE

- * Bathroom 111B - walls as indicated on the Drawings (including tub/shower.)
- * Bathroom 201B, 202B, 203B, 204B, 205B, 206B, 301B, 302B - walls as indicated on the Drawings (including tub/shower.)
- * Studio Dwelling Units 201A, 204A, 205A, 206A - kitchen backsplash as indicated on the Drawings.

MATERIALS:

Type: Non-porous, homogeneous acrylic polymer panel.

Manufacturer: Avonite; tel: (800) 463-1303; Contact: Priscilla Miranda; www.avonitesurfaces.com.

Thickness: 1/4 inch (standard.)

Standard Panel Widths: 36 inches, 48 inches and 60 inches.

Standard Panel Heights: 96 inches.

INSTALLATION:

Install as indicated on the Drawings with the fewest joints as possible.

Install per Manufacturer's recommended instructions.

At dry areas install over 5/8 inch water resistant gypsum board.

At wet areas (i.e. showers, tubs etc.) install over 1/2 inch cementitious backerboard (e.g. HardieBacker or equal.)

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) 6 inch x 6 inch samples of specified panel material.

09900 PAINTING

SCOPE

* Interior and exterior painting, staining and sealing throughout.

MATERIALS

Manufacturers:

- (BM) Benjamin Moore or Architect-approved equal.
- (JS) Jasco, www.jasco-help.com.
- (SK) Sikkens
- (PN) Penofin, tel: (800) 736-6346.
- (PS) ProSoco

Use per manufacturers instructions.

Colors: as selected by Architect.

Do not paint any shop/factory painted/finished items unless specifically noted.

All exterior ferrous metal to be hot-dipped galvanized and field touched-up with zinc-rich primer per "05500 Metal Fabrications".

EXTERIOR PRIMERS:

- | | |
|-------------------------|--|
| Galvanized pretreatment | (JS) Metal Etch |
| All purpose primer | (BM) Fresh Start Acrylic Low Lustre Primer N023. |
| Ferrous primer | (BM) SuperSpec HP DTM P25. |

EXTERIOR FINISHES:

- | | |
|-----------------------|--|
| Acrylic satin | (BM) SuperSpec Acrylic Exterior Satin 184. |
| Premium satin acrylic | (BM) MoorGard Low Lustre Latex W103. |
| Acrylic high gloss | (BM) Impervex Latex High Gloss Enamel N309. |
| Urethane gloss | (BM) SuperSpec Urethane Alkyd Gloss Enamel P22 |
| Floor & Patio | (BM) Floor & Patio Latex Enamel 122 |

INTERIOR PRIMERS:

- | | |
|--------------------|--|
| Primer sealer | (BM) EcoSpec WB Interior Latex Primer Sealer N372. |
| All purpose primer | (BM) Fresh Start Acrylic Latex Primer N023 |
| Ferrous primer | (BM) SuperSpec HP DTM Low Lustre P25. |

INTERIOR FINISHES:

- | | |
|--------------------|--|
| Acrylic flat | (BM) EcoSpec WB Interior Latex Paint N373. |
| Acrylic semi-gloss | (BM) EcoSpec WB Interior Latex Paint Semi-Gloss 376. |
| Acrylic high gloss | (BM) Impervex Latex High Gloss Enamel N309. |

PAINTING SCHEDULE

EXTERIOR:

Wood and Fiberglass Doors typical, satin.

Coat 1	Primer sealer
Coat 2	Acrylic satin
Coat 3	Acrylic satin

Fiber Cement Panel Siding System typical, satin

Coat 1	Primer sealer
Coat 2	Acrylic satin
Coat 3	Acrylic satin

Stainless Steel typical, gloss.

- Contrasting Striping, prepare surface per manufacturer's instructions.

Coat 1	Urethane gloss
Coat 2	Urethane gloss

Waterproof Deck Coating typical, satin

- Contrasting Striping

Coat 1	Floor & Patio
Coat 2	Floor & Patio

INTERIOR:

Gypsum board typical, flat

- Walls and ceilings typical throughout unless otherwise noted.

Coat 1	Primer sealer
Coat 2	Acrylic flat
Coat 3	Acrylic flat

Gypsum board typical, semi-gloss

- Walls and ceilings at Restroom 108, Laundry 109, Restroom 110, Accessible Bathroom 111B, Bathroom 201B, Bathroom 202B, Bathroom 203B, Bathroom 204B, Bathroom 205B, Bathroom 205B, Bathroom 206B, Bathroom 301B, Bathroom 302B.

Coat 1	Primer sealer
Coat 2	Acrylic semi-gloss
Coat 3	Acrylic semi-gloss

Wood, semi-gloss

- All m.d.f. paneling, baseboards

Coat 1	All purpose primer (omit at shop-primed)
Coat 2	Acrylic semi-gloss
Coat 3	Acrylic semi-gloss

At close-out provide Owner with one quart minimum of each color/finish to be used by Owner for future maintenance and touch-up.

SUBMITTALS

(4) sets of brush-out samples of all colors/finishes to Architect for review prior to commencing work.

10140 SIGNAGE

MANUFACTURER

ADA Sign Factory, <http://adasignfactory.com>, or architect approved equal.

TYPE

Wall Mounted Accessibility Signage – Accessible Restrooms

SCOPE

* Restroom 108, Restroom 110

MATERIAL

At each restroom entry door and adjacent wall (S.A.D.), install the appropriate Title 24/ADA-compliant Gender Symbols, centered 60 inches above finish floor.

Color: To be selected by Architect.

Material: acrylic, 1/4 inch thick, color(s) as selected from manufacturer's standard colors.

Lettering: Interstate Bold (all upper case).

Braille: Grade 2

Men: triangle, equilateral, 12 inches each side, with contrasting text "MEN" (3/4 inch high letters) centered with Braille below.

Women: circle, 12 inches diameter, with contrasting text "WOMEN" (3/4 inch high letters) centered with Braille below.

TYPE

International Symbol For Accessibility

SCOPE

* Workshop 101, Workshop 103, Workshop 105 , Workshop 112, Storage 102, Storage 104, Storage 106, Laundry 109, Accessible Studio Dwelling Unit 111A.

MATERIAL

Color: To be selected by Architect.

Material: acrylic, 1/4 inch thick, color(s) as selected from manufacturer's standard colors.

Lettering: Interstate Bold (all upper case).

TYPE

Parking Stall Signage

SCOPE

* Van Accessible Parking Space, Accessible Parking Space

MATERIAL

Lettering: Interstate Bold (all upper case).

“Van-Accessible Stall Sign”:

Sign Size: 9 inches x 9 inches minimum.

International Symbol of Accessibility (profile view of wheelchair with occupant) in white with blue background with text “VAN-ACCESSIBLE” (Letter size: 1 inch minimum) directly below.

Steel pipe (hot dipped galvanized, do not paint), embedded in a concrete footing concealed beneath stall paving.

“Tow Warning and Recovery Sign”:

Sign Size: 17 inches x 22 inches minimum.

Text (Letter size: 1 inch minimum):

“UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AWAY AT OWNER’S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _____ OR BY TELEPHONING _____.”

Mount sign (to post) directly beneath “Van Accessible Stall Sign”. (S.A.D.)

Submittals: (3) sets shop drawings of each sign, complete.
(3) 3 inch x 3 inch material samples.

I0260 WALL AND CORNER GUARDS

SCOPE

* Laundry I09 -walls as indicated on the Drawings.

MATERIALS:

Type: IPC Rigid Vinyl Sheet

Manufacturer: InPro Corporation; tel: (800) 222-5556;
<http://www.inprocorp.com>

Thickness: 0.06 inch (standard.)

Standard Panel Width: 48 inches

Standard Panel Height: 96 inches.

INSTALLATION:

Install as indicated on the Drawings.

Install per Manufacturer's recommended instructions.

Install over 5/8 inch water resistant gypsum board.

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) 6 inch x 6 inch samples of specified panel material.

I0550 POSTAL SPECIALTIES

MATERIALS:

Manufacturer: Salisbury Industries, Los Angeles, CA; tel: (800) 624-5269, www.mailboxes.com.

Model: "Cluster Box Unit" #3312

Finish: Gray

Overall Size: 30-1/2"W x 62"H x 18"D

Pedestal Base: 12"W x 12"D

INSTALLATION:

Install as indicated on the Drawings.

Install per Manufacturer's recommended instructions.

SUBMITTALS

- (4) sets product data sheets all components.

I0670 STORAGE SHELVING

SCOPE

- * Laundry 109 - as indicated on the Drawings.

MATERIALS:

Type: Wall Mount Shelf

Manufacturer: AllStrong Restaurant Equipment, Inc; tel: (800) 933-8913;
<http://www.allstrong.com>

Model: #WMS-WI484-C
Finish: Stainless Steel
Depth: 14 inches
Width: 84 inches.

INSTALLATION:

Install as indicated on the Drawings.

Install per Manufacturer's recommended instructions.

Install over IPC Rigid Vinyl Sheet

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) 6 inch x 6 inch samples of specified panel material.

I0800 BATHROOM ACCESSORIES

Contractor to furnish and install all items per "BATH ACCESSORIES SCHEDULE" and Drawings.

SUBMITTALS

- (4) sets product data sheets all components.

I1450 APPLIANCES

Contractor to furnish and install all items per "APPLIANCE SCHEDULE" and Drawings.

I1500 AIR COMPRESSOR

SCOPE

- * Storage I14

MATERIALS:

Manufacturer: Ingersoll Rand; tel: (704) 655-4000;
<http://www.ingersollrand.com>
Series: UP6 Rotary Screw Air Compressor
Model: UP6-15c 125 psi 'TAS' Rotary Screw Compressor
Base Dimension: 41"L x 28.9"W x 36"H
Tank Dimension (80g): 53.6"L x 24.7"W x 36"H

Horse Power: 5-15 HP

Note: Order Base and Tank as separate components.

Install per Manufacturer's recommended instructions and coordinate with Plumbing / Electrical.

I5400 PLUMBING

SCOPE

Contractor to perform rough-in and finish work as shown on the Drawings.

Contractor to furnish and install all fixtures and fittings per "PLUMBING FIXTURE SCHEDULE" and Drawings.

MATERIALS

All waste lines to be cast iron (no plastic allowed).

All supply lines to be copper; M type minimum (no plastic allowed).

Shut-off valves: At all sinks, use heavy-duty, all metal shut-off ball-type valves (no plastic components).

INSTALLATION

All work is to be in accordance with all applicable jurisdictional requirements.

Install re-circulating pump system on hot water supply lines.

SUBMITTALS

(4) sets product data sheets all components.

I5830 CEILING FANS

SCOPE

- * Ceiling Fan Type A - as indicated on the Drawings.
- * Ceiling Fan Type B - as indicated on the Drawings.

TYPE A:

Manufacturer: Haiku Fans; tel: (855) 694-2458;
<http://www.haikufan.com>

Model Number: K3150-S1

Color: White Composite Matrix

Height: 9.8 inches

Fan Diameter: 60 inches

TYPE B:

Manufacturer: Haiku Fans; tel: (855) 694-2458;
<http://www.haikufan.com>

Model Number: K3150-A0

Color: White Composite Matrix

Height: 15.7 inches

Fan Diameter: 60 inches

INSTALLATION:

Install per Manufacturer's recommended instructions.

SUBMITTALS

- (4) copies cut-sheets, all system components.
- (4) 6 inch x 6 inch samples of specified panel material.

END OF SPECIFICATION