

**DELANO HOLDING CELL PROJECTS  
ADMINISTRATIVE OFFICE OF THE COURTS**

05/26/10

**DIVISION 1: GENERAL**

**01000 DESCRIPTION OF THE WORK**

Work under this contract provides for demolition and new construction associated with holding cells and exterior Sally port. The project is located at 1122 Jefferson Street, Delano, California.

**01010 DEFINITIONS**

- Throughout these drawings and specifications, the following definitions apply:
- A. "Owner" or "Owner's Representative" shall refer to the Superior Court of California, or any of the Court's or Administrative Office of the Courts specifically assigned representatives.
  - B. "Contractor" shall refer to Chamblin-Landes Construction and any subcontractor who, by contract with or employment by the Owner, is responsible for the execution of some portion of the work.
  - C. "Architect" shall refer to Fraser Seiple Architects, or any of their specifically assigned project staff.
  - D. "Engineer" shall refer to any engineering consultant specifically referenced in a given note or section of these specifications.

**01100 SPECIAL PROJECT PROCEDURES**

Contractors shall make every effort to protect existing improvements, neighboring property and construction in place as the work progresses. Any damage to such existing improvements, neighboring property, or construction resulting from acts of a Contractor shall be repaired to the satisfaction of, and at no additional cost to, the Owner.

Contractors shall control the spread of dust to the public right-of-way in compliance with Delano City requirements.

Construction activities are limited to the hours of 6:00 p.m. through 12:00 a.m., Monday through Friday, or 7:00 a.m. through 6:00 p.m., Saturday and Sunday, unless other arrangements are made with the Court in advance.

Solid waste generated during construction shall be gathered and removed from the site in compliance with Delano City requirements. Cleaning of concrete, plaster and similar material containers or tools shall not produce runoff that leaves the property or enters the storm drainage system. Every effort shall be made to recycle waste produced by construction.

**01330 SUBMITTALS**

Shop drawings, samples, and product data submittals shall be made as described in individual sections of these specifications for review prior to the ordering or delivery of materials to the jobsite. Submittals shall be transmitted to the Architect in the quantities required for the Contractor's use plus one for the Architect's records.

**01400 TESTING AND INSPECTION**

Contractors are not required to provide laboratory testing in connection with construction; however, any Contractor shall schedule and cooperate with any testing or field inspection required by the specifications, the Architect, applicable building codes, or the Administrative Office of the Courts inspectors, and shall replace or correct work which fails to meet the requirements of the specifications when tested.

**01600 SUBSTITUTIONS AND ALTERNATES**

Substitutions or alternates to the materials, assemblies, or products described in the drawings and specifications will be acceptable only if approved in advance by the Owner.

**01700 CLOSEOUT PROCEDURES**

At the completion of construction the Contractor shall deliver to the Owner copies of operation and maintenance manuals, spare parts lists, guarantees and warranties for products and equipment installed in the work, as well as as-built drawings indicating the location of any concealed installations that vary from the position and alignment indicated on working drawings.

The Contractor shall provide demonstration or instruction to the Owner's representative(s) for building equipment and systems.

**DIVISION 2: SITE WORK**

**02050 DEMOLITION**

Demolition shall be as described on the drawings, and as necessary to accommodate new installations.

Temporary barricades shall be erected and maintained to keep members of the public at a safe distance from demolition and construction operations. Existing construction and items to remain shall be protected.

The contractor shall immediately notify Owner's Representative of contaminated, hazardous, or potentially dangerous materials encountered; proceed with removal and disposal as directed.

**02200 EARTHWORK**

Soil in the area of new footings and plumbing trenches shall be excavated to a minimum of 12" below the bottom of new installations. Moisture condition and compact non-expansive granular fill material at footings to approximately the same density as existing subgrade. Assumed bearing is 2,000 psi. See additional notes on structural drawings.

Bedding and backfilling at new below-grade plumbing installations shall comply with notes on mechanical/plumbing drawings.

**02513 ASPHALTIC CONCRETE PAVING**

Patch and level asphaltic paving as required in the area of new work adjacent to the Sallyport enclosure. Paving shall comply with materials and installation requirements of CalTrans Standard Specifications.

**02515 CONCRETE PAVING AND SITEWORK**

Except as otherwise indicated in the drawings, concrete walks, landings, steps, and other flatwork shall be 4 inches thick, reinforced with #3 bars at 24 inches each way, placed over compacted, granular base. Finish shall be light/medium broom at unless noted otherwise on drawings.

**DIVISION 3: CONCRETE**

**03300 CAST IN PLACE CONCRETE**

Concrete footings and slab shall be configured and reinforced as indicated in the drawings, and shall meet the requirements of Structural Notes on the structural drawings. Concrete strength testing required. Concrete materials shall be as specified in structural notes and as follows:

- Cement: Portland Type II, per ASTM C150
- Fine Aggregate: per ASTM C33
- Course Aggregate: per ASTM C535
- Water: clean, potable, free of contaminants
- Reinforcing Steel: intermediate (Grade 40) bars per ASTM A615
- Admixtures: none specified

**03600 GROUT**

Cementitious grout for concrete anchoring and patching shall be high strength, non-shrinking; Burkestone or equivalent. Product data submittals are required.

**DIVISION 4: MASONRY**

**04220 CONCRETE UNIT MASONRY**

New concrete block walls shall be configured and reinforced as indicated in the drawings and structural notes. Materials shall be as follows:

- Concrete Block: "Precision" units per ASTM C90, in sizes indicated in drawings, natural gray color
- Mortar: per ASTM C270, Type S
- Grout: per ASTM C94, minimum 2,000 psi strength at 28 days
- Reinforcing Steel: intermediate (Grade 40) bars per ASTM A615

**DIVISION 5: METAL**

**05500 MISCELLANEOUS METALS**

Metal fabrications for this work include, but are not limited to structural framing and wire cloth at Sallyport, handrails at Sallyport, privacy screens in cells, wrought iron gate at Sallyport and structural welding and bolting. Shop drawings are required for structural components and must receive Architect's approval prior to fabrication. Materials shall be as follows:

- Structural Steel: per ASTM A36
- Stainless Steel: per ASTM T304
- Primer: red iron oxide per FS TT-P-31
- Galvanizing: zinc galvanized coating per ASTM A123, A153, and A386
- Welding Materials: per AWS D1.1
- Woven Wire Cloth: McNichols plain weave 0.135, 2 mesh, pre-galvanized steel with M-2 hookstrip edge or equivalent
- Wrought Iron Gate: Master Halco Monumental Iron Works "Imperial" swing gate with all required accessories, mounting hardware, and hardware preparation or equivalent, prefinished in color as selected by Architect

Structural welding shall only be performed by certified journeyman welders. All exposed-to-view cuts and welds shall be deburred and ground smooth and even. Exposed-to-weather metal fabrications shall be made in the largest pieces manageable and primed, galvanized, or powder coated prior to delivery to the project site.

**DIVISION 6: WOOD AND PLASTIC**

**06100 ROUGH CARPENTRY**

Lumber strength, grading requirements and connector requirements shall be as indicated in Structural Notes on the structural drawings:

- Beams, girders, and posts: DF-L No. 1 or better joists, rafters, headers, plates, blocking, 2 X 6 thru 4 X 16, and misc. wood not specifically described: DF-L NO. 2 or better
- Wall framing, 2 X 2 thru 4 X 6 (except headers): DF-L Stud grade or standard and better
- Sheathing: Plywood conforming to U.S. Product Standard PS-1-83, Group 1 or 2, or APA Performance Rated Panels (plywood, composite board, oriented strand board). Roof or wall sheathing plywood shall bear the designation CDX Structural II or better.

All framing shall be laid out accurately to the line and dimension shown on the drawings. Notching of studs and joists is not allowed; boring of studs and joists to accommodate plumbing or electrical installations is subject to the approval of the Structural Engineer. Provide all backing, blocking, stripping, furring, false framing, and other miscellaneous support to allow the work of other trades to proceed. Where shear panels do not cover the full extent of wall surface, provide additional sheathing or furring to create a continuous substrate for finishes.

**DIVISION 7: THERMAL AND MOISTURE PROTECTION**

**07200 BUILDING INSULATION**

Exterior wall insulation shall be kraft faced fiberglass batts, stapled to framing members; interior wall sound insulation shall be unfaced fiberglass batts, friction fit between framing members and wired as necessary. Design is based on the products of Owens-Corning Company Fiberglas Corporation. Product data and test result submittals are required. Materials shall be as follows:

- 3-1/2" Sound Insulation: per ASTM C423
- 5-1/2" Thermal Wall Insulation: per ASTM C665
- Flammability of Materials: per ASTM E136
- Fire Classification (Class A): per UL Standards 790, 1256

**07270 FIRESTOPPING**

Provide fire retardant insulation, manufactured fire barrier systems, fire caulking and sealant, firestopping systems, and related materials as required to maintain the continuity and integrity of fire rated assemblies in new construction, particularly at annular spaces around penetrations; Hilti "Firestop" or 3M "Fire Barrier" products or equivalent, with any primers or accessories recommended by manufacturer. Product submittals are required.

**07610 METAL ROOFING**

Metal roofing at Sallyport roof shall be exposed-fastener, prefinished structural metal panels; MBCI "PBLU" or "7.2 Panel" profile, minimum 28 gauge, with "Signature 200" finish in color as selected by Architect from standard range. Provide all fasteners, accessories, trims, and flashings as required for a complete and watertight installation. Install metal roofing over light steel supports per drawings.

**07900 CAULKING AND SEALANTS**

Caulking and sealants which match the color of adjacent surfaces shall be used as indicated in the drawings and additionally as required to prevent the entry of water or outside air into exterior assemblies, and in bathrooms to control the penetration of moisture. Caulking materials shall be chosen for specific applications as recommended by the manufacturers and backing rods shall be applied where appropriate; caulking beads shall be clean, slightly concave, and excess material shall be immediately cleaned from adjacent surfaces. Materials shall be as follows:

- Poly sulphide Sealant: Morton-Thiokol or equivalent
- Acrylic Emulsion Latex: Red Devil or equivalent
- Butyl Sealant: Red Devil or equivalent
- Silicone Sealant: General Electric or equivalent
- Polyurethane Sealant: Sonneborn or equivalent
- Use of Latex Sealing Compound: per ASTM C790
- Use of Solvent-Release Type Sealants: per ASTM C804
- Sealing Compound: Elastomeric Type, Multi-Component: per FS TT-S-00227
- Sealing Compound: Elastomeric Type, Single Component: per FS TT-S-00230
- Sealing Compound, Silicone Rubber Base: per FS TT-S-001543
- Sealant and Caulking Guide Specification: per SWI (Sealing and Waterproofers Institute)

**DIVISION 8: WINDOWS AND DOORS**

**08100 METAL DOORS AND FRAMES**

Rated metal doors and frames shall be provided as indicated in the Door Schedule. Design is based on the following materials and manufacturers:

- Interior and Exterior Passage Doors: flush panel primed, rated 18 gauge steel; Republic DM series or equivalent.
- Interior and Exterior Passage Door Frames: mitered primed, rated 16 gauge steel; Republic MG series or equivalent.
- Interior Holding Cell Doors/Frames: internally reinforced steel doors and frames, primed and factory prepared for hardware and custom view lites; Trussbilt Detention Security doors and frames or equivalent.
- Plumbing Chase Frames: mitered primed, non-rated 18 gauge steel; Republic MG series or equivalent.

Shop drawing and product data submittals are required

**08200 WOOD DOORS**

Interior non rated solid core wood doors at plumbing chases shall be provided in the configurations shown in the Door Schedule. Design is based on the following materials and manufacturers:

- Flush Panel Interior Doors: stain grade hardwood over solid particle board or lumber core (solid core); Eggers Industries or equivalent MDF faced

Product data and sample submittals are required. All doors shall be adjusted to close easily and fit snugly in frames. Wood doors shall be per the following guidelines:

- ANSI/NWMA I.S.1: Industry Standard For Wood Flush Doors
- WIC Manual: "Premium" grade; Section 12 Architectural Wood Doors

**08700 FINISH HARDWARE**

Unless otherwise noted, door hardware finishes shall be US26D dull or brushed chrome. All final hardware selections are subject to the Architect's approval; product data and materials list submittals require approval before hardware is ordered. Specific door hardware components shall be as described in the Door Hardware schedule. Opening hardware is to be centered between 30" and 44" above finished floor.

Finish hardware shall be per the following guidelines:

- ANSI A117.1, CAC Title 24, U.S. Dept. of Justice 28 CFR Part 36 (ADA) - Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People
- AWI: Architectural Woodwork Institute
- BHMA: Builders' Hardware Manufacturers Association
- DHI: Door and Hardware Institute
- NFPA 101: Life Safety Code
- Underwriters Laboratories Inc.: applicable reports

**08800 GLASS AND GLAZING**

Window glass at the interview room and door glass in cell doors shall be glass-clad polycarbonate, clear, with a minimum protection level of 2, Pacific Bulletproof Company product PBBRGPC2 or equivalent. Product data and submittals are required.

Glass and glazing shall be per the following guidelines:

- ASTM C1349 - 04 Standard Specification for Architectural Flat Glass Clad Polycarbonate

- ANSI Z97.1: Safety Performance Specifications and Methods of Test for Safety Glazing/Material Used in Buildings
- "Manual of Glazing" of the Flat Glass Marketing Association

**DIVISION 9: FINISHES**

**09100 LATH AND PLASTER**

Exterior building surface patches shall be finished with three coat Portland cement plaster in a dense finish to match the existing adjacent finish. Product data submittals and mockup required. Materials shall be as follows:

- Lath: 2 layers Grade D paper; wire lath at vertical surfaces; Western Metal Lath or equivalent
- Lath: 2 layers Grade D paper; expanded metal rib lath at horizontal surfaces; Inland Ryerson rib lath or equivalent
- Screeds, Moldings, and Accessories: Western Metal Lath Company or equivalent
- Cement: Portland cement per ASTM C150, Type 1
- Lime: dry hydrated lime per ASTM C206, Type S
- Sand: clean, graded sand per ASTM C144
- Water: clean, potable water
- Integral Color Additive: La Habra or equivalent
- Texture/Finish: Smooth, flat steel-troweled

Lath and plaster shall be per the following guidelines:

- Federal Specification UU-B-70: building paper, stucco lath
- "Lathing and Plastering Data Guide and Reference Specifications," by the Southern California Plastering Institute

**09250 GYPSUM DRYWALL**

Gypsum drywall shall be installed as indicated in the Finish Notes and details. Product data and materials list submittals required. Materials shall be as follows:

- Gypsum Panels at Ceilings and walls: 5/8" panels; U.S. Gypsum or equivalent
- Accessories: galvanized steel corner reinforcement at outside corners in bullnose profile at vertical corners and square profile at horizontal corners, fiberglass web at bridging conditions; U.S. Gypsum or equivalent.
- Texture: Level 4, flat/smooth.

Finish texture is subject to Tenant and Architect approval of a field sample. Gypsum drywall shall be per the following guidelines:

- Gypsum Association publication GA 216.
- ASTM C 36.
- ASTM C 475.

**09900 PAINTING**

Paint and related coatings shall be applied as indicated in the drawings. Paint products shall be Sherwin Williams or equivalent, as approved by the Architect. Surface preparation, application and total mil thickness shall be as recommended by the paint or coating manufacturer for the subject surface.

- Exterior concrete block walls: Low VOC water based block sealer
- Interior cell walls and ceilings: low VOC water based block sealer, high-build catalyzed, water based epoxy, semi-gloss texture
- Interior walls and ceilings, other: low VOC sealer/primer, two coats low VOC acrylic latex wall paint, semi-gloss texture
- Interior metal trim: low VOC high hiding metal primer, two coats water based alkyd acrylic enamel, semi-gloss texture
- Paint grade interior wood doors: low VOC high hiding wood primer, two coats water based acrylic latex trim paint, semi-gloss texture
- Exterior exposed metals: industrial metal primer, two coats low VOC industrial alkyd acrylic enamel paint, semi-gloss texture
- Floors: high-build industrial filler/primer and high-solids institutional epoxy coating, solid color with integral aggregate, semi-gloss texture

Colors shall be as selected by the Architect.

Product data, materials list and brushout submittals required. Painting shall be per the following guidelines:

- ANSI/ASTM D16: Definitions of Terms Relating to Paint, Varnish, Lacquer, and Related Products
- ASTM D2016 - Test Method for Moisture Content of Wood

**DIVISION 10: SPECIALTIES**

**10100 PRIVACY SCREENS**

Privacy screen panels shall be color-thru solid HDPE panels mounted to custom stainless steel frames per details; Santana or equivalent, in standard color as selected by the Architect

**10400 SIGNAGE**

Identifying and direction signage shall be installed at walls as described in drawings. Wall mounted interior and exterior room identification and accessible exit signs shall be Scott Sign Systems engraved photopolymer plaque signs or equivalent, with Grade 2 Braille where required. Vinyl accessibility symbols shall be applied to glass surfaces: Scott Sign Systems or equivalent. Product data, shop drawings and sample submittals required. Signage shall comply with Cal access requirements per CBC 1117B.5.

**DIVISION 11: EQUIPMENT**

**11100 DETENTION EQUIPMENT**

Cell benches shall be floor mounted 11 ga. stainless steel benches on 2" diameter powder coated steel pipe posts and 6" x 6" square mounting plates, as manufactured by Bob Barker Company or equivalent. Lay out per drawings and mount with stainless steel security bolts into wedge anchors per manufacturer's recommendations. Seats shall have smooth, rounded edges and corners compliant with California Title 24, Part I, Section 13-102 and Part 2, Section 470A standards.

Cell mirrors shall be highly polished stainless steel in 16 ga. chrome steel frames, with rounded corners and tamper resistant fasteners, as manufactured by Bob Barker Company or equivalent. Mirror dimensions shall be 12-1/2" wide x 16-1/2" tall; mount above comby toilet/sink with bottom edge no more than 40" above the floor.

**DIVISION 12: FURNISHINGS**

(not used)

**DIVISION 13: SPECIAL CONSTRUCTION**

(not used)

**DIVISION 14: VERTICAL TRANSPORTATION**

(not used)

**DIVISION 15: MECHANICAL SYSTEMS**

**15300 FIRE PROTECTION SYSTEM**

The building fire sprinkler system shall be per NFPA standard 13; product data, hydrostatic calculations and shop drawing submittals are required. Materials shall be as follows:

- Piping: Black iron per approved shop drawings.
- Holding cell heads: Viking Institutional style flush or equivalent.
- Public view heads: Viking Mirage concealed or equivalent.
- Utility room heads: Viking standard pendent or equivalent.

**15400 PLUMBING**

Plumbing fixtures require product data submittals. Piping systems inside building require as-built drawings. Materials shall be as listed in notes on mechanical / plumbing drawings.

**15600 HEATING, VENTILATING, AND AIR CONDITIONING**

Extension of existing space conditioning system will require product data submittals and as-built drawings. Materials shall be as listed in schedules and notes on mechanical / plumbing drawings.

**DIVISION 16: ELECTRICAL SYSTEMS**

**16400 ELECTRICAL SERVICE**

Extension of building electrical service and switchgear shall be 120/208 volt, 3 phase, as described on electrical drawings and in electrical notes. Distribution of power shall be achieved with conventional duplex wall outlets, isolated ground where required. As-built drawings required.

**16500 LIGHTING**

Light fixtures and switching shall be provided as indicated on the drawings and in the Light Fixture Schedule; alternatives to the specified light fixtures require the Architect's and Tenant's approval of submittal materials. All light fixtures shall have manufacturer's recommended lamp installed, chosen for consistent color temperature throughout the installation and per CCR Title 24. Materials shall be as described in light fixture schedule.

**16720 ALARM SYSTEMS**

Extension of the building fire alarm system shall be provided per AOC specification, based on approval of product data, shop drawing submittals provided by the Contractor to the City Fire Department and Building Department. The Contractor shall coordinate the installation of, and provide power to, any intrusion or security alarm systems provided by the Tenant's vendors.

**16740 COMMUNICATIONS**

Holding cells shall have sound-activated audio monitoring microphones as indicated on electrical drawings, Loure Electronics Verifact D-V or equivalent, with base station and all required accessories. Extension of the building communication and data infrastructure shall be provided per AOC specifications, based on approval of product data submittals. As-built drawings required.

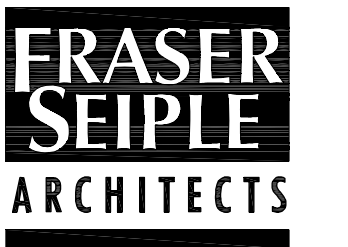
PROJECT

**NEW HOLDING  
CELL PROJECT**

**DELANO /  
NORTH KERN  
COURT**

**1122 JEFFERSON ST.  
DELANO, CALIFORNIA**

CLIENT JOB # ARCHITECT JOB #  
**1027073 1002**

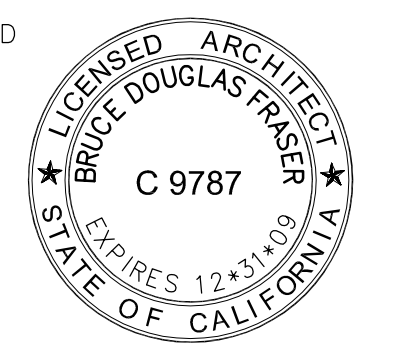


PROJECT MANAGER BDF

DRAWN BY BS

DATES 07-07-10  
09-10-10  
10-18-10 PLAN CHECK 1  
11-23-10 PLAN CHECK 2  
01-05-11 PLAN CHECK 3

SIGNED



The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction or publication by any method, in whole or in part, is prohibited. Title to these plans and specifications remain with the architect without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and existing conditions on the job and shall report any discrepancies to the architect for resolution prior to commencing work.

SHEET TITLE

**SPECIFICATIONS**

SCALE : NONE

SHEET #

**T.2**