11-155487 FA Project (6)

CITY OF PORTLAND, OREGON - BUREAU OF DEVELOPMENT SERVICES

1900 SW Fourth Avenue, Suite 5000 • Portland, Oregon 97201 • www.portlandonline.com/bds • Fax 503-823-7425

Facility Permit Plan Intake Form

FOR INTAKE, STAFF USE ONLY

Date Received _____

Building Registration # 01-127703 FC

Fixed Bid NO

Bin # B1

Building Permit # 11-156825 FA

Mechanical # _____

Plumbing Permit # _____

Electrical Permit # _____

Building/Mechanical DAVE W (1)

Electrical _____

Plumbing LOES

Fire JERRY ~~KEITH~~ (3)

Planning KIM (2)

BES _____

PDOT _____

Structural _____

Other _____

Mick

APPLICANT: Complete all sections below that apply to the project. Please print legibly.

Print Name NICK HODGES Sign Name _____

Street Address 733 SW Oak St.

City Portland State OR Zip Code 97205

Day Phone 503-227-1254 FAX 503-227-7818 email nhodges@thaarchitecture.com

Plans / permits available for pick up at 1900 SW 4th Avenue, 2nd floor between 8:00 am to 5:00 pm

Contact Name for plan/permit pick up SEE ABOVE

Day Phone _____ email _____

11-156825-FA

Project Building Name / # PCC JACKSON HALL

Project Address or Location 565 N. KILLINGSWORTH ST.

Project Name and Description $ FIRST FLOOR RESTROOM REMODEL

Total Project Value $ 150,000 Project Reference #/Billing ID # CA-1154

Building Contractor TO BE DETERMINED (TBD) CCB # _____

MechanicalContractor N/A CCB # _____

Electrical Contractor TBD CCB# _____ License # _____

Plumbing Contractor TBD CCB# _____ License # _____

☒ **Building Permit**

No. of Stories 2

Const. Type II-NR

[X] [N] Alarms Required

[X] [N] Smoke Det. Req'd

[X] [N] Sprinklers Req'd

[Y] [N] Struct. Eng / Calcs Submitted

❑ **Mechanical Permit**

Mechanical Valuation _____

Description _____

❑ **Electrical Permit**

Please provide a completed standard electrical permit application form. You may mail or deliver it to 1900 SW 4th Avenue, Portland, Oregon 97201 or FAX to 503-823-7425.

❑ **Plumbing Permit**

Number of Fixtures _____

Back Flow Devices _____

Water Service (# of Feet) _____

Medical Gas _____

Other _____

City of Portland REVIEWED FOR CODE COMPLIANCE JUL 28 2011 11-156825-FA Permit Number

B1

DIVISION 0 - PROCUREMENT

BIDDING INFORMATION AND FORMS
See Requirements and forms provided by Portland Community College

DIVISION 1 - GENERAL REQUIREMENTS

GENERAL REQUIREMENTS
Project Coordination: The general Contractor is responsible for the overall Coordination of the Trades
Protecting existing utilities: Before starting work contractor shall determine exact location of any existing utility lines that could be damaged by contract work. Contractor shall assume that unknown utility lines do exist, and Contractor shall proceed with caution when working in areas that could conceal unknown utilities. If utility lines are damaged remove repair, or replace as directed.
Codes: All work shall be in compliance with current State and Local Codes. General Contractor shall make available to all subcontractors, all reports and requirements issued by the building permit or subsequent inspections by the building officials. This Project was designed following the Oregon Structural Specialty Code of 2010.
Accessibility: Comply with ANSI/ICC A117.1.

ALTERNATES
No alternates identified.

PROJECT MANAGEMENT AND COORDINATION
Progress Meetings: Conduct progress meetings at bi-weekly intervals, unless directed by owner or owner's representative to be required at a more frequent level. Representatives of Owner, Architect and contractor shall attend these meetings. Subcontractors and suppliers should not attend except as appropriate to achieve resolution to an issue that the Contractor's representatives can not otherwise fully represent. All participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
Request for Information (RFI): Architect will review each RFI, determine action required, and return it. Allow seven working days for Architect's response for each RFI

REFERENCES
General: All references quoted to be met by their respective latest addition.

TEMPORARY FACILITIES
Temporary Barricades: Provide all necessary to protect against injury and protect project against damage and unauthorized intrusion.
Temporary Fire Protection: Provide and maintain necessary facilities and equipment to protect project against fire damage.
Temporary Electricity: Ascertain where electrical service is available, provide required connections, and extend system to work area. Each contractor shall provide his own grounded UL approved extension cords. General Contractor and subcontractors shall provide their own power and distribution system for field welders and any other special power beyond that specified herein.
Facilities removal: Remove temporary facilities, at project completion, or sooner, if directed. Repair damage, if any, resulting from temporary facilities.

QUALITY CONTROL
Pre-Installation Conference and Single Source Requirements: Work of Gypsum Board, Non Structural Metal Framing, shall be performed by or under direct supervision of one installer. A Pre-Installation conference is required between all parties including installer, general contractor, and the Architect before work of these sections begins.

PRODUCTS
General: Prepare substrate and install all products specified in the construction documents unless otherwise approved in writing by owner prior to installation following manufacturer's written installation instructions. Provide complete installations with all accessories required by manufacturer. All products to be installed in an in-door environment shall meet VOC requirements as per SAQMD 1168 - South Coast Air Quality Management District Rule No.1168; current edition; www.aqmd.gov.
Mock-up: Provide mock ups of Floor and Wall Tile.
Field Conditions: Store all products per manufacturer's written recommendation
Submittals: Provide product data for all products; provide three (3) samples for all finish items.
Dimensions: Unless noted otherwise see drawings for all sizes.
Protection: Do not permit contact, the storage of materials, or traffic over unprotected finished surfaces.

CLEANING
General: Comply with governing codes, regulations and ordinances, and anti-pollution requirements.
Cleaning During Construction: Periodically clean to maintain work, site and adjacent properties free from accumulations of waste, rubbish, and windblown debris, resulting from constructions operations. Provide on-site containers for the collection of waste, debris and rubbish, separating these items following the requirements of the local recycling jurisdictions. Periodically remove waste material, debris and rubbish and legally dispose of away from project site.
Final Cleaning: Remove waste, debris, and surplus material from project site. Clean paved surfaces of stains, spills and foreign substances, and sweep clean. Clean light fixtures and lamps. Remove waste, debris and foreign matter from roofs and roof drainage system. Maintain structure and components clean until substantial completion.

DIVISION 5 – METALS

METAL FABRICATIONS
Product: Stainless Steel Mounting Plate; fabricated from Stainless-Steel Sheet, Strip, Plate, and Flat Bars: ASTM A 666, Type 304. Finish No 4, non directional.
Fabrication: Fabricate connections not specifically detailed in drawings consistent with balance of design and strong enough to develop fully members involved. Form to accurate sizes and shapes, with sharp lines and angles, and in accordance with AISC Minimum Fabrication standards. Weld permanent connections; grind exposed welds smooth. Ease exposed edges to small radius uniform throughout component. Provide holes and connections for work of other trades. Miter and cope member intersections within 2 degrees, fit to within 0.02 inches and weld all around. Where exposed to weather, form to exclude weather, form to exclude water, allow for expansion and contraction.
Fasteners: Stainless-Steel Bolts and Nuts: Regular hexagon-head annealed stainless-steel bolts, nuts and, where indicated, threaded insert; ASTM F 593 (ASTM F 738M) for bolts and ASTM F 594 (ASTM F 836M) for nuts, Alloy Group 1 (A1). Stainless-Steel spacer: 3/8" diameter, 1/2" long stainless-steel tubing.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

SEALANTS
Interior general sealant, Acrylic emulsion latex type: ASTM C 834, Type OP, Grade NF single component, paintable. Dap Alex plus; BASF Sonolac; Pecora AC-20+-, Tremco Tremflex 834 or approved equal.
Interior wet area sealant: Mildew-Resistant, Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: ASTM C 920, Type S, Grade NS, Class 25, for Use NT. Pecora 898; Tremco Tremsil 600 white; or approved equal
Acoustical Sealant: Butyl or acrylic sealant; ASTM C 920, Grade NS, Class 12-1/2, Uses M and A; single component, solvent release curing, non-skinning, paintable, non-staining latex sealant complying with ASTM C 834. Product effectively reduces airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 90. Quiet Solutions Quiet Seal sealant; Pecora AC-20 FTR; Tremco Tremflex 834; USG Sheetrock Acoustical sealant.
Backer Rod: Closed cell polyethylene foam gasket rod, diameter 1/4 inch greater than width of joint.
Warranty: Installer's standard form in which Installer agrees to repair or replace elastomeric joint sealants that do not comply with performance and other requirements specified in this Section within 5 years of date of Substantial Completion.

DIVISION 8 - OPENINGS

ACCESS PANELS
Door and Frame Units: Formed steel. Frames and flanges: Minimum 0.060 inch steel. Door panels : Minimum 0.060 inch single thickness steel sheet. Sizes: Walls: 12 x 12 inches. Ceilings: 12 x 12 inches. Hardware: Hinge: 175 degree stainless steel continuous piano hinge with pin. Lock: Screw driver slot for quarter turn cam lock. Finish: Ceiling mounted - Two coats baked enamel, color as selected; Wall mounted - stainless steel. Manufacturers: Larsen manufacturing Company; Karp Industries; Acudor Products Inc; J.L. Industries or approved equal

City of Portland
Bureau of
Development Services
By SJ Date 7/26/11
Approved by
Planning and Zoning Review

THA3
ARCHITECTURE

STAMP

REGISTERED ARCHITECT
WILLIAM C. DANN
PORTLAND, OREGON
4608
STATE OF OREGON

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE

DRAWING TITLE
PROJECT SPECIFICATIONS

SHEET NUMBER
A-000

11-156825 AD
B.1

DIVISION 9 - FINISHES

NON STRUCTURAL METAL FRAMING:
Scope: This section applies ONLY to non structural metal framing as required for blocking/bracing at new fixture and accessory locations; and at any new work requiring the alteration of existing framing.
General: Comply with details indicated and with gypsum board manufacturer's written recommendations or, if none available, with United States Gypsum's "Gypsum Construction Handbook."
General: Gypsum Board: Provide completed assemblies complying with ASTM C 840 and GA-216. Conform to ASTM C36 for all board, tapered edges, 5/8 inch thick for entire project. Provide Type "X" at all rated installations.
General: Non structural Metal framing: Non-Loadbearing Framing System Components: ASTM C 645; galvanized sheet steel, of size and properties necessary to comply with ASTM C 754 for the spacing indicated, with maximum deflection of wall framing of L/240 at 5 psf. Protective Coating: ASTM A 653/A 653M, G60 (Z180) , hot-dip galvanized, unless otherwise indicated. Provide prepunched web openings for passage of electrical, plumbing and other in wall installations,
Steel Studs and Runners: ASTM C 645 and complying with the following. Thickness: 0.0179 inch, except thicker gage indicated below and where required to comply with component size and spacing requirements of ASTM C 754. Provide 0.0329 inch where greater than 0.0179 inch is indicated, and for head runner, sill runner, jamb, and cripple studs at door and other openings. Provide 0.0329 inch thick where partition will support shelving, mechanical or electrical equipment, or any other wall supported items. Depth: As indicated on drawings and in schedules, and as appropriate to suit Installation conditions at gypsum drywall renovation work, but not less than that required to comply with component size and spacing requirements of ASTM C 754.
Hat-Shaped, Rigid Furring Channels: ASTM C 645. Minimum Base Metal Thickness: 0.0312 inch (0.79 mm). Depth: As indicated on Drawings or 7/8 inch (22.2 mm).
Fasteners: Self-tapping and self-drilling, bugle head screws conforming to ASTM C626, Type S, 1 inch length.
Non structural metal framing installation:
Studs: Verify existing stud spacing is as permitted by standard. Provide new studs as needed for new work and as permitted by standard.
Install supplementary framing, blocking, and bracing at terminations in gypsum board assemblies to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction. Comply with details indicated and with gypsum board manufacturer's written recommendations or, if none available, with United States Gypsum's "Gypsum Construction Handbook."
Where equipment, door stops, shelves, grab bars and similar wall mounted or supported items are indicated for direct attachment to gypsum board systems, provide not less than a 16 inch wide galvanized steel reinforcement strip,18 ga. or of thickness indicated, accurately positioned and secured behind not less than one gypsum board face layer of 5/8-inch thickness.
Tolerances: Ceiling deflection: L/360 maximum. Wall deflection with tile installation: L/360 maximum

TILING
General: NSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1, "Specifications for Ceramic Tile," for types, compositions, and other characteristics indicated.
Quality Assurance: Maintain one copy of TCA Handbook and ANSI A108 Series/A118 Series on site.
Installer Qualifications: Company specializing in performing tile installation, with minimum of 5 years of documented experience.
Source Limitations for Tile: Obtain all tile of same type and color or finish from one source or producer. Obtain tile from same production run and of consistent quality in appearance and physical properties for each contiguous area.
Source Limitations for Setting and Grouting Materials: Obtain ingredients of a uniform quality for each mortar, adhesive, and grout component from a single manufacturer and each aggregate from one source or producer.
Coordination with existing conditions: Prior to commencing new work, contractor to verify existing floor finish assembly and notify Architect if depth of assembly is such that would require additional underlayment. Notify Architect of any anomalies or unforeseen conditions as existing tile is demolished.
Mock-up: Construct tile mock-up where instructed by Architect incorporating all components specified for the location to demonstrate aesthetic effects and qualities of materials and execution. Minimum size of wall mock-up is 3 feet by 3 feet. Minimum size of floor mock-up is 1 foot by 3 feet. Approved mock-up may remain as part of the work if approved by Architect and Owner's Authorized Representative in writing and if undisturbed by time of Substantial Completion. Review tile layout with Architect in field prior to installation.
CT1: Manufacturer: Dal Tile. Product: Vibe. Color: Techno Gray V151. Finish: Glazed. Size: 12 by 12. Location: All floors.
CT2: Manufacturer: Dal Tile. Product: Modern Dimensions. Color: Matte Biscuit K775. Finish: Matte. Size: 2 1/8" by 8 1/2" and 4 1/4" by 8 1/2", ref drawings for layout information. Location: All walls, full-height.
CT BASE: Manufacturer: Dal Tile. Product: Vibe. Color: Techno Gray V151. Finish: Glazed. Size: 6x12 Cove. Location: All walls.

Mortar materials: Mix mortars and grouts to comply with referenced standards and mortar and grout manufacturers' written instructions.
Manufacturers: Custom Building Products, Laticrete International. Mapei Corporation.
Latex-Portland Cement Mortar (Thin Set): ANSI A118.4, consisting of the following: Prepackaged dry-mortar mix combined with acrylic resin or styrene-butadiene-rubber liquid-latex additive. For wall applications, provide nonsagging mortar that complies with Paragraph F-4.6.1 in addition to the other requirements in ANSI A118.4.
Polymer-Modified Tile Grout: ANSI A118.7, color as indicated. Polymer Type: Either ethylene vinyl acetate, in dry, redispersible form, prepackaged with other dry ingredients, or acrylic resin or styrene-butadiene rubber in liquid-latex form for addition to prepackaged dry-grout mix. Sanded grout mixture for joints 1/8 inch (3.2 mm) and wider. Colors, match: Wall: Mapei Products #14 - Biscuit; Floor: Mapei Products #11 Sahara Beige. Width: Wall: 1/16"; Floor: 1/8".
Trim: Brushed stainless steel, style and dimensions as indicated on drawings, for setting using tile mortar or adhesive. Use in the following locations: Open edges of floor tile. Schlueter Schiene. Manufacturer: Schluter-Systems or approved equal
Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.
Waterproofing and Crack Isolation Membrane (WATERPROOFING MEMBRANE) at Floors and walls: Install behind all vertical tile in wet locations, all floor tile and wrap 2 feet up the walls. Polyethylene sheet membrane, faced on both sides with fleece webbing 0.008 inch thick, minimum; specifically designed for bonding to cementitious substrate under thick mortar bed or thin-set tile; complying with ANSI A118.10. Noble Company; NobleSeal TS; www.noblecompany.com; Schlueter Systems; KERDY; www.schluter.com. or approved equal
Cement board: At all surfaces behind tile install ½ inch cementitious backer board with fasteners recommended by manufacturer. ANSI Cement-Based Board: Non-gypsum-based; aggregated portland cement panels with glass fiber mesh embedded in front and back surfaces complying with ANSI A118.9 or ASTM C 1325. Custom Building Products; Wonderboard, National Gypsum Company; PermaBase Brand Cement Board, USG Corporation; Durock Brand Cement Board. Use tape and screws recommended by Cementitious Backer Board Manufacturer.
Installation, General:
Install tile and grout in accordance with applicable requirements of ANSI A108.1 through A108.13, manufacturer's instructions, and TCA Handbook recommendations.
Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
Jointing Pattern: Lay tile in grid pattern, unless otherwise indicated. Align joints when adjoining tiles on floor, base, walls, and trim are same size. Lay out tile work and center tile fields in both directions in each space or on each wall area. Adjust to minimize tile cutting. Provide uniform joint widths, unless otherwise indicated.
Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions, unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make joints watertight, without voids, cracks, excess mortar, or excess grout.
Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints.
Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
Form internal angles square and external angles square.
Sound tile after setting. Replace hollow sounding units.
Keep expansion joints free of adhesive or grout. Apply sealant to joints.
Locate expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.
Locate joints in tile surfaces directly above joints in concrete substrates.
Prepare joints and apply sealants to comply with requirements in Section Joint Sealers
Allow tile to set for a minimum of 48 hours prior to grouting.
Grout tile joints. Use standard grout unless otherwise indicated.
Apply sealant to junction of tile and dissimilar materials and junction of dissimilar planes.

THA
ARCHITECTURE

STAMP

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE

DRAWING TITLE
PROJECT SPECIFICATIONS

SHEET NUMBER
A-001

Installation:
Cementitious Backing Board: Install over steel framing members where indicated, in accordance with ANSI A108.11 and manufacturer's instructions. Where tile backing panels abut other types of panels in same plane, shim surfaces to produce a uniform plane across panel surfaces.
Floors: Over interior concrete substrates, install in accordance with TCA Handbook Method F112, bonded, unless otherwise indicated. Where waterproofing membrane is indicated, with standard grout or no mention of grout type, install in accordance with lazed Floor Tile: 1/16 inch (1.6 mm)Install as specified in ANSI A108.13. Joint width: Glazed Wall Tile: preset by manufacturer of tile 1/8 minimum (1.6 mm). Glazed Floor Tile: 1/8 inch (1.6 mm)
Walls: Over cementitious backer units on studs, install in accordance with TCA Handbook Method W244, using membrane at toilet rooms.
Install sound attenuation blankets before installing cementitious backing boards, unless blankets are readily installed after panels have been installed on one side. Extend insulation full thickness as indicated to envelop entire area to be insulated. Cut and fit tightly around obstructions, and fill voids with insulation. At indoor face of exterior wall, bond units to substrate with adhesive to provide permanent placement and support of units. Use blanket widths and lengths that fill cavities formed by framing members. Where more than one length is required to fill cavity, provide lengths that will produce a snug fit between ends. Place blankets in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.

PAINTING
Preparation: Remove any loose material, dirt or dust.
Painting Schedule:
Interior Gypsum board: Latex enamel:
One coat latex primer
Two coats interior eggshell latex enamel
Painting Schedule:
General Ceiling Color (P-1): Manufacturer: Benjamin Moore. Name: Superwhite. Sheen: eggshell

DIVISION 10 - SPECIALTIES

TIOLET ACCESSORIES SCHEDULE:

Name		Model	Quantity	Comments
Hooks (CHK)	CFCI	Bobrick B-232x24(2) per restroom	Shown in (2) locations	
Mirrors (MR)	CFCI	Bobrick B-290	(1) per lavatory	
San. nap. vendor (SNV)	CFCI	J6-RC product 25166500	(1) in Womens	
San. nap. disposal (SND)	CFCI	Bobrick B-270	(1) per restroom	Mount outside stalls
Toilet seat cover dispenser (TSD)	CFCI	Product code 25132000	(1) per restroom	Mount outside stalls
Baby changing (BCS)	CFCI	Koala Kare Products KB200-01 Series	(1) per restroom	Mount outside stalls
Grab Bars (GB)	CFCI	Bobrick B-5806 Satin SS finish	See drawings for length and locations	
Under lavatory guards (ULG)	CFCI	Brocar Products, Inc; Truebro,Inc; or approved equal	As Req'd	With flip-top at valve to allow service without removing
Hand dryer (HD)	OFCI	Mitsubishi JT-SB11	(2) per restroom	
Soap dispenser (SD)	OFCI	Symmetry general purpose soaps	(2) per restroom	Ref 1/A-500 for mounting detail
Toilet paper dispenser:				
Standard Stall (TP2)	OFCI	Compact Quad	(1) per stall	Ref 1/A-500 for mounting detail
ADA Stall (TP1)	OFCI	Compact Side by Side	(1) per stall	Ref 1/A-500 for mounting detail

TIOLET PARTITIONS
Solid Color Reinforced Composite Toilet Compartments: Manufacturers: Bobrick, or approved equal.
Product: Sierra Series. Color: Golden Khaki SC01.
Toilet-Enclosure and Entrance Screen Style: Overhead braced Floor anchored.
Urinal-Screen Style: Wall hung.
Door, Panel, Screen, and Pilaster Construction: Solid color reinforced composite (SCRC) panel material, not less than 1/2 inch thick, seamless, with eased edges, and with homogenous color and pattern throughout thickness of material. Integral Hinges: Configure doors and pilasters to receive integral hinges.
Color and Pattern: Golden Khaki SC01 in each room. Pilaster Shoes and Sleeves (Caps): Manufacturer's standard design; stainless steel.
Brackets (Fittings): Full-Height (Continuous) Type: Manufacturer's standard design; stainless steel.
Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories. Material: Stainless steel. Hinges: Manufacturer's standard paired, self-closing type that can be adjusted to hold doors open at any angle up to 90 degrees.
Latch and Keeper: Manufacturer's standard surface-mounted latch unit designed for emergency access and with combination rubber-faced door strike and keeper. Provide units that comply with regulatory requirements for accessibility at compartments designated as accessible.
Coat Hook: Manufacturer's standard combination hook and rubber-tipped bumper, sized to prevent in-swinging door from hitting compartment-mounted accessories.
Door Bumper: Manufacturer's standard rubber-tipped bumper at out-swinging doors.
Door Pull: Manufacturer's standard unit at out-swinging doors that complies with regulatory requirements for accessibility. Provide units on both sides of doors at compartments designated as accessible.
Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.
Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match the items they are securing, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless steel, hot-dip galvanized steel, or other rust-resistant, protective-coated steel.
Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters to suit floor conditions. Provide shoes at pilasters to conceal supports and leveling mechanism.

PLUMBING REQUIREMENTS

Ref Plumbing sheets

ELECTRICAL REQUIREMENTS

Ref Electrical sheets

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PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE

DRAWING TITLE
PROJECT SPECIFICATIONS

SHEET NUMBER
A-002

GENERAL NOTES - DEMOLITION

A. VERIFY ALL EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION CONTAINED IN THESE DOCUMENTS.

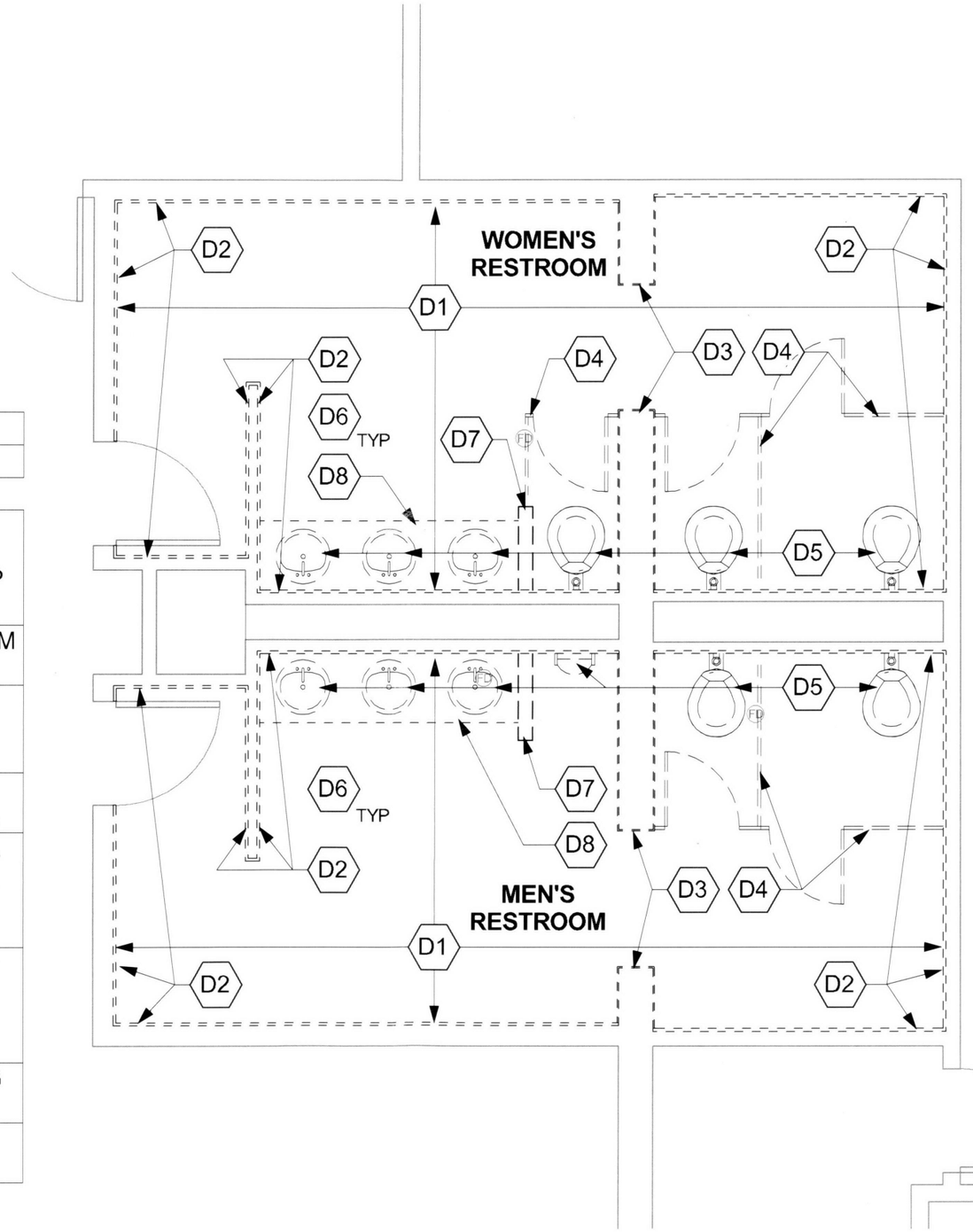
B. COORDINATE WITH MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION.

C. ALL ABANDONED UTILITIES TO HAVE CONDUIT OR PIPINGS REMOVED SHALL BE CAPPED OFF IN CONCEALED SPACES AS REQUIRED FOR THE OPERATION OF THE SYSTEMS.

D. ALL ITEMS TO BE DEMOLISHED SHALL INCLUDE ALL ASSOCIATED HANGERS, FASTENERS, BRACING AND ANCHORS.

E. COORDINATE WITH COLLEGE FACILITIES SERVICES PRIOR TO DISCONNECTION OF ANY BUILDING UTILITY SYSTEM AND ANY INTERRUPTIONS THAT MAY AFFECT OPERATING DURING CONSTRUCTION.

DEMOLITION - RESTROOMS	
MARK	DESCRIPTION
D1	REMOVE FLOOR TILE, MORTAR BED, ADHESIVE, NAILS, ANCHORS, AND ALL EXPOSED PROTRUDING FASTENERS. PREP FLOOR FOR NEW FLOORING.
D2	REMOVE WALL TILE AND WALL BOARD FROM ALL FRAMED WALL SURFACES, TYP.
D3	REMOVE WALL TILE AND GROUT FROM CONCRETE AND METAL FRAME WALL, ALL SIDES. PREP WALL FOR NEW TILE.
D4	REMOVE TOILET PARTITIONS AND ALL ASSOCIATED FASTENERS AND HARDWARE.
D5	REMOVE ALL PLUMBING FIXTURES AND ALL ASSOCIATED FASTENERS AND HARDWARE. REF PLUMBING FOR TERMINATION OF PIPING. RECYCLE PLUMBING FIXTURES.
D6	REMOVE TOILET ACCESSORIES INCLUDING BUT NOT LIMITED TO MIRRORS, DISPENSERS, WALL MOUNTED SHELVES, AND GRAB BARS.
D7	REMOVE PARTIAL HEIGHT WALL INCLUDING BASE TILE, GBD AND FRAMING.
D8	REMOVE COUNTERTOP, BACKSPLASH AND ALL ASSOCIATED APPURTENANCES.



1 FIRST FLOOR RESTROOM DEMOLITION PLAN
1/4" = 1'-0"

THA
ARCHITECTURE

STAMP

REGISTERED ARCHITECT
WILLIAM C. BANN
PORTLAND, OREGON
4608
STATE OF OREGON

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

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PROJECT NUMBER
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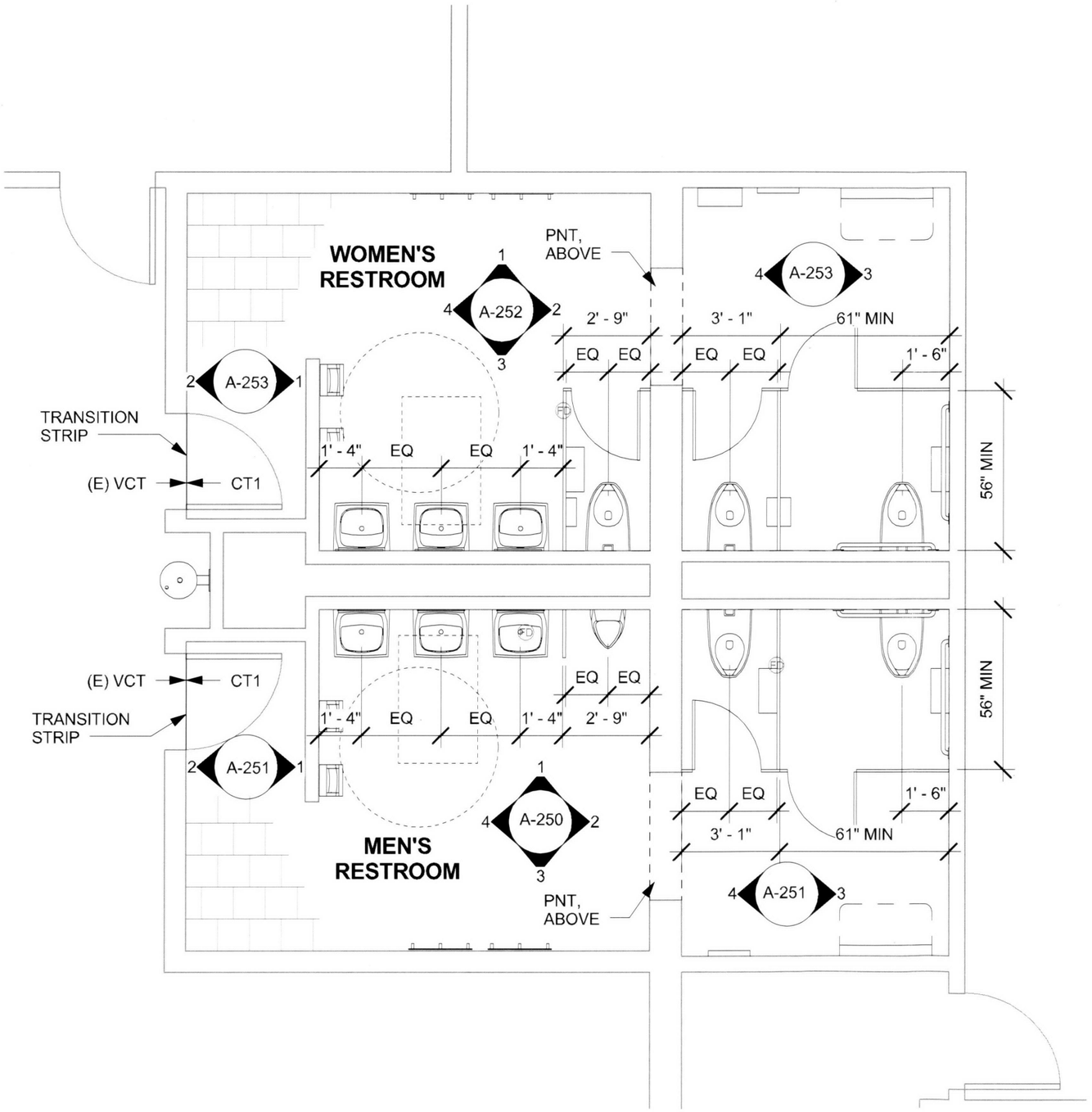
DATE
JUNE 13, 2011

SCALE
1/4" = 1'-0"

DRAWING TITLE
FIRST FLOOR RESTROOM DEMOLITION PLAN

SHEET NUMBER
A-020



1 FIRST FLOOR RESTROOM PLAN
1/4" = 1'-0"

GENERAL NOTES - ENLARGED PLAN

A. ALL HOT WATER AND ALL DRAIN PIPES MUST BE INSULATED UNLESS OTHERWISE COVERED.

B. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

C. LOCATE ALL TOILET FLUSH VALVES ON WIDE OPEN SIDES OF ACCESSIBLE STALLS.

D. ALL DIMENSIONS ARE TO FACE OF FINISH, UNO.

E. PAPER TOWEL DISPENSERS SHALL NOT PROTRUDE INTO ADA CLEAR SPACE

F. ACCESS PANELS TO BE LOCATED AS REQ'D BY PLUMBING & ELECTRICAL. COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALL.

G. ALL FRAMED WALLS ARE TO HAVE ACOUSTIC INSULATION. VERIFY THAT BATT INSULATION IS PRESENT AND IN GOOD CONDITION. PROVIDE NEW ACOUSTIC INSULATION AS SPECIFIED WHERE REQ'D.

H. PAINT GBD CEILING & SOFFIT.

THA
ARCHITECTURE

STAMP

REGISTERED ARCHITECT
WILLIAM C. DANN
PORTLAND, OREGON
4608
STATE OF OREGON

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

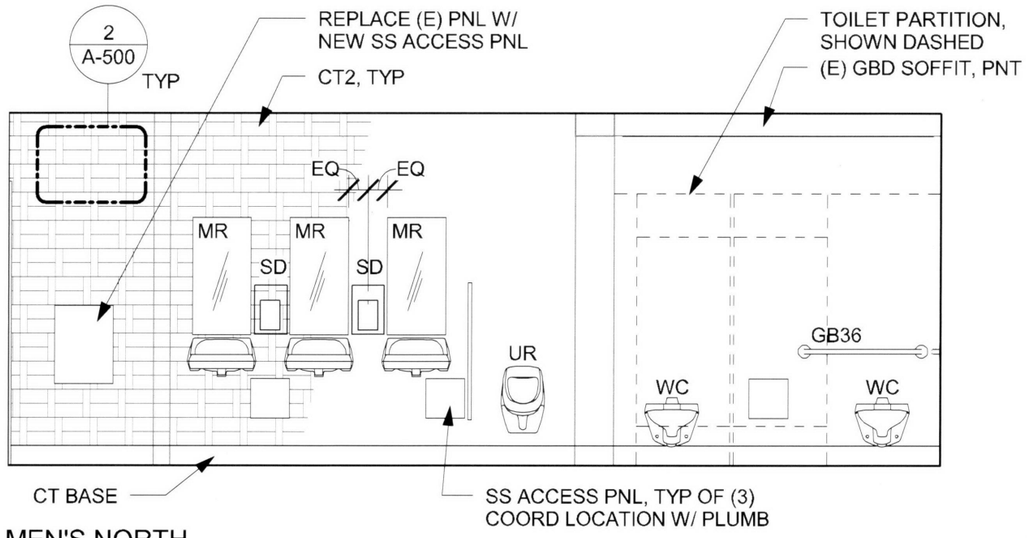
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

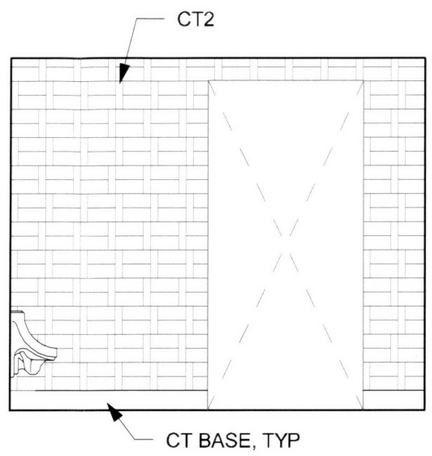
SCALE
1/4" = 1'-0"

DRAWING TITLE
FIRST FLOOR RESTROOM PLAN

SHEET NUMBER
A-101



1 MEN'S NORTH
1/4" = 1'-0"



2 MEN'S EAST
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

A. REF A-280 FOR TYPICAL MOUNTING HEIGHTS AND DIMENSIONS.

B. REF A-280 & A-002 DRAWINGS FOR TOILET ACCESSORY TYPES.

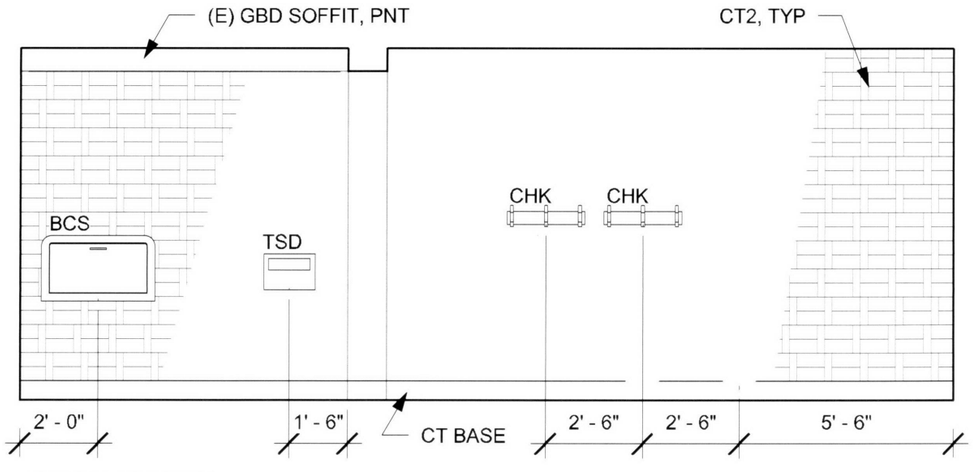
C. REF MECHANICAL & ELECTRICAL FOR ADDITIONAL WALL MOUNTED ITEMS.

D. DIMENSIONS ARE FROM FINISH FLOOR, UNLESS OTHERWISE NOTED.

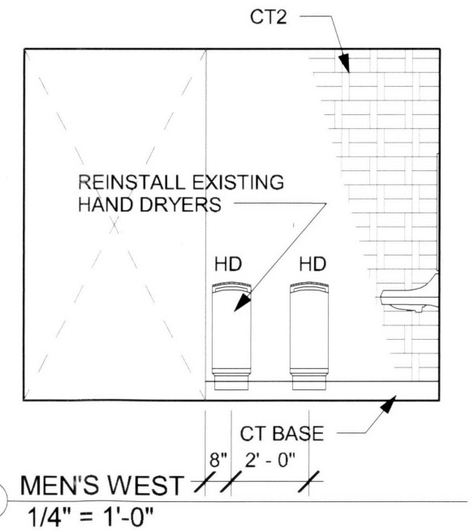
E. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

F. ACCESS PANELS TO BE LOCATED AS REQ'D BY PLUMBING & ELECTRICAL. COORDINATE LOCATIONS WITH ARCHITECT BEFORE INSTALL.

G. REF A.000 FOR TYPICAL ACOUSTICAL DETAILS



3 MEN'S SOUTH
1/4" = 1'-0"



4 MEN'S WEST
1/4" = 1'-0"

THA
ARCHITECTURE

STAMP

REGISTERED ARCHITECT
WILLIAM C. DANN
PORTLAND, OREGON
4608
STATE OF OREGON

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

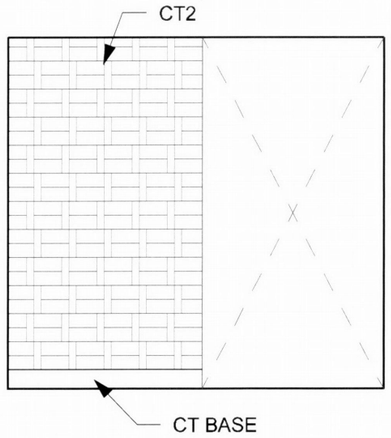
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

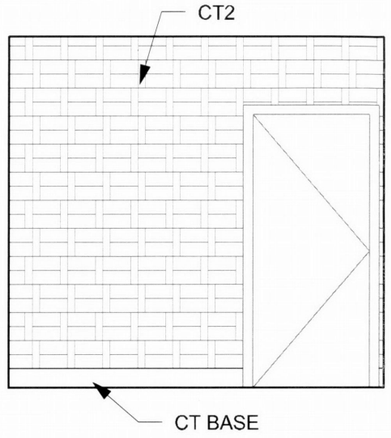
SCALE
1/4" = 1'-0"

DRAWING TITLE
INTERIOR ELEVATIONS

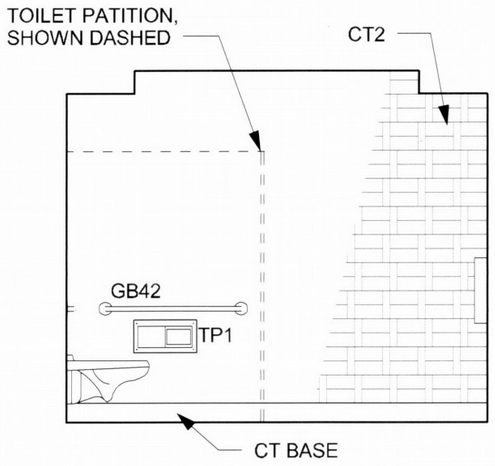
SHEET NUMBER
A-250



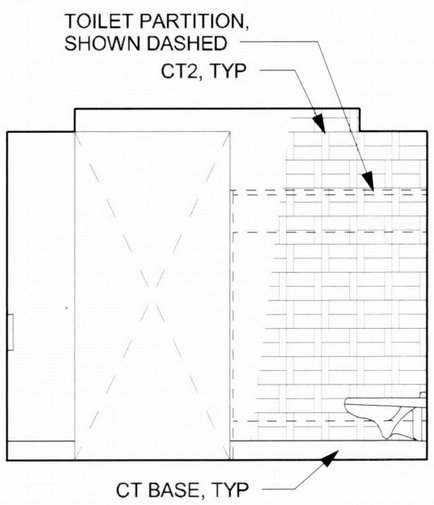
1 MEN'S ENTRY EAST
1/4" = 1'-0"



2 MEN'S ENTRY WEST
1/4" = 1'-0"



3 MEN'S TOILET EAST
1/4" = 1'-0"



4 MEN'S TOILET WEST
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

A. REF A-280 FOR TYPICAL MOUNTING HEIGHTS AND DIMENSIONS.

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THA
ARCHITECTURE

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PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

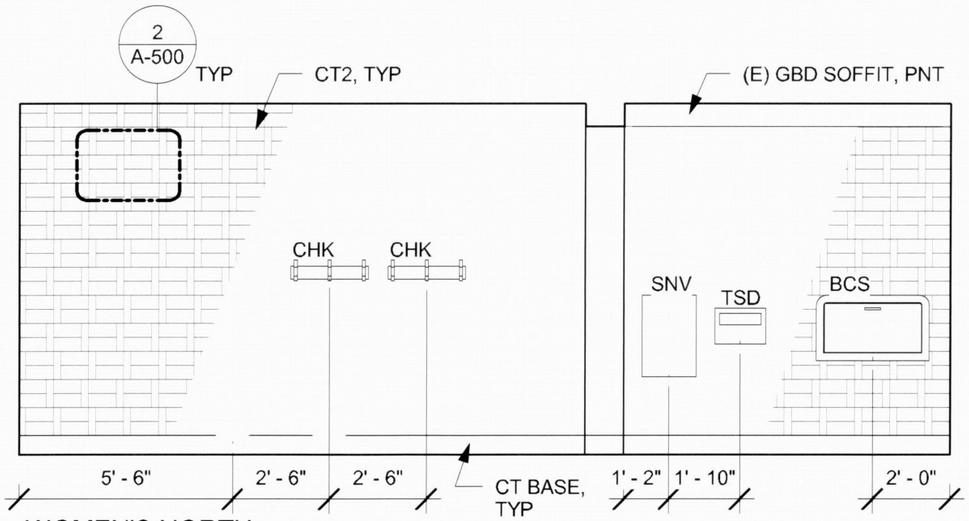
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

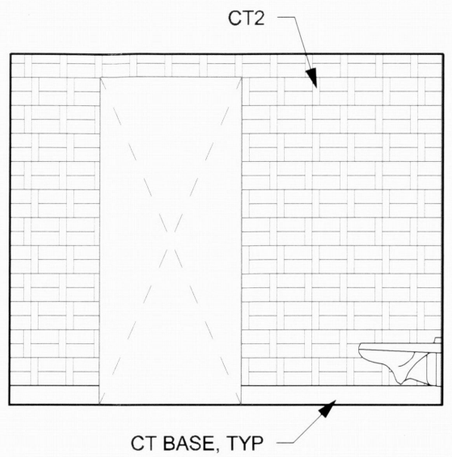
SCALE
1/4" = 1'-0"

DRAWING TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A-251



1 WOMEN'S NORTH
1/4" = 1'-0"



2 WOMEN'S EAST
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

A. REF A-280 FOR TYPICAL MOUNTING HEIGHTS AND DIMENSIONS.

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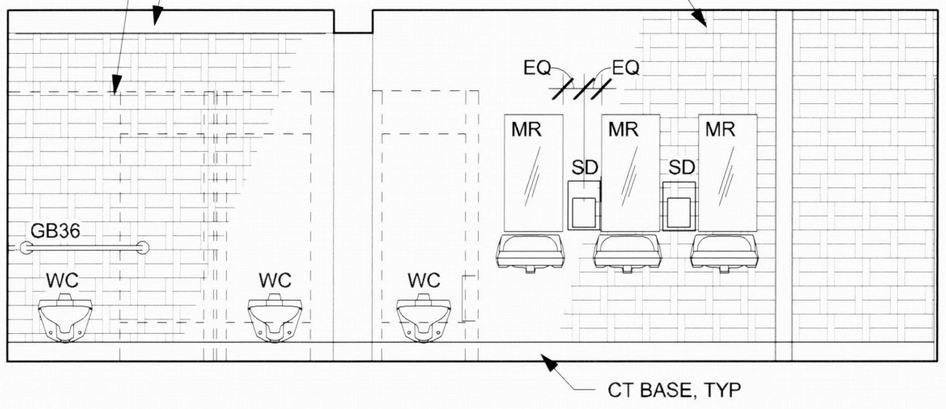
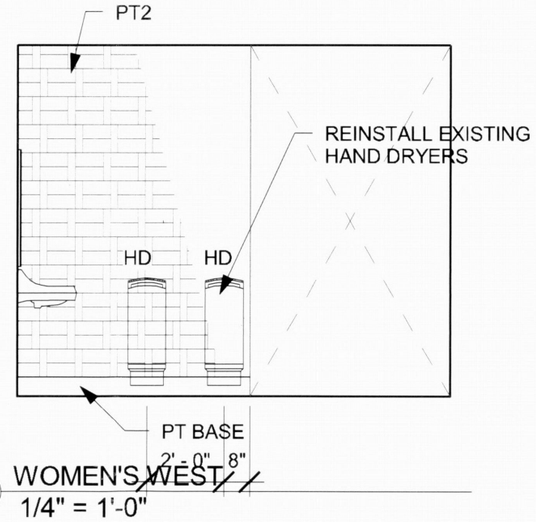


3 WOMEN'S SOUTH
1/4" = 1'-0"



4 WOMEN'S WEST
1/4" = 1'-0"

THA
ARCHITECTURE

STAMP

REGISTERED ARCHITECT
WILLIAM C. BANN
PORTLAND, OREGON
4608
STATE OF OREGON

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

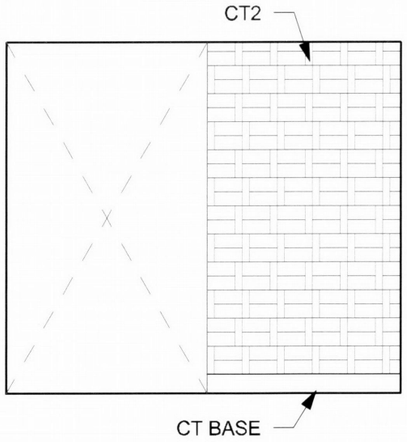
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

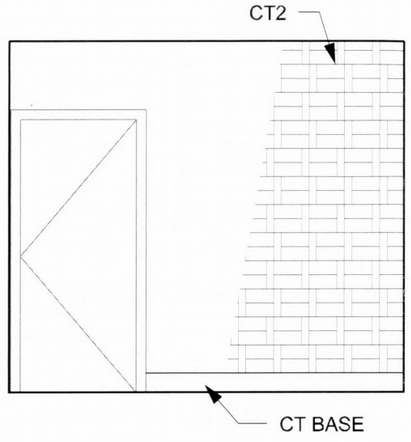
SCALE
1/4" = 1'-0"

DRAWING TITLE
INTERIOR ELEVATIONS

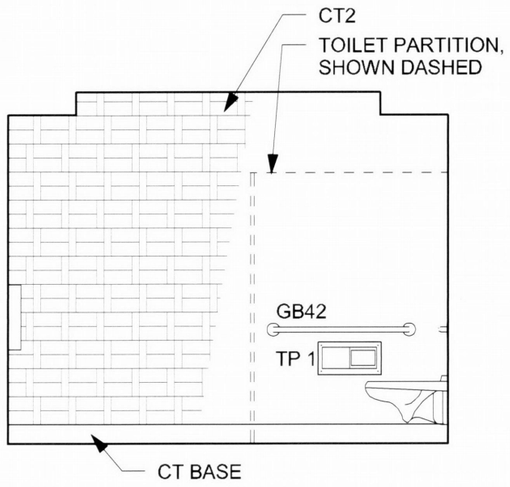
SHEET NUMBER
A-252



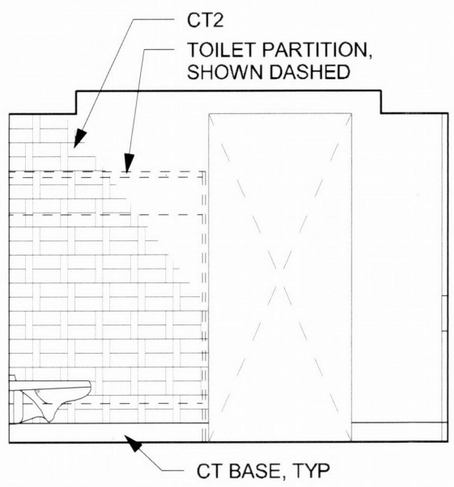
1 WOMEN'S ENTRY EAST
1/4" = 1'-0"



2 WOMEN'S ENTRY WEST
1/4" = 1'-0"



3 WOMEN'S TOILET EAST
1/4" = 1'-0"



4 WOMEN'S TOILET WEST
1/4" = 1'-0"

GENERAL NOTES - INTERIOR ELEVATIONS

A. REF A-280 FOR TYPICAL MOUNTING HEIGHTS AND DIMENSIONS.

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G. REF A.000 FOR TYPICAL ACOUSTICAL DETAILS

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PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

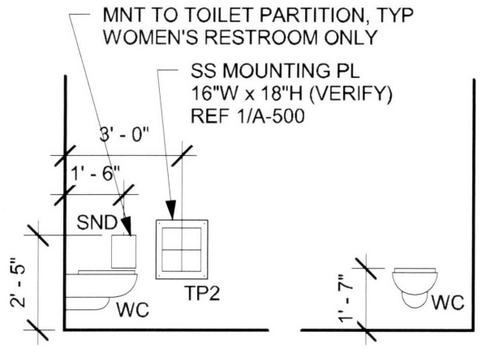
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

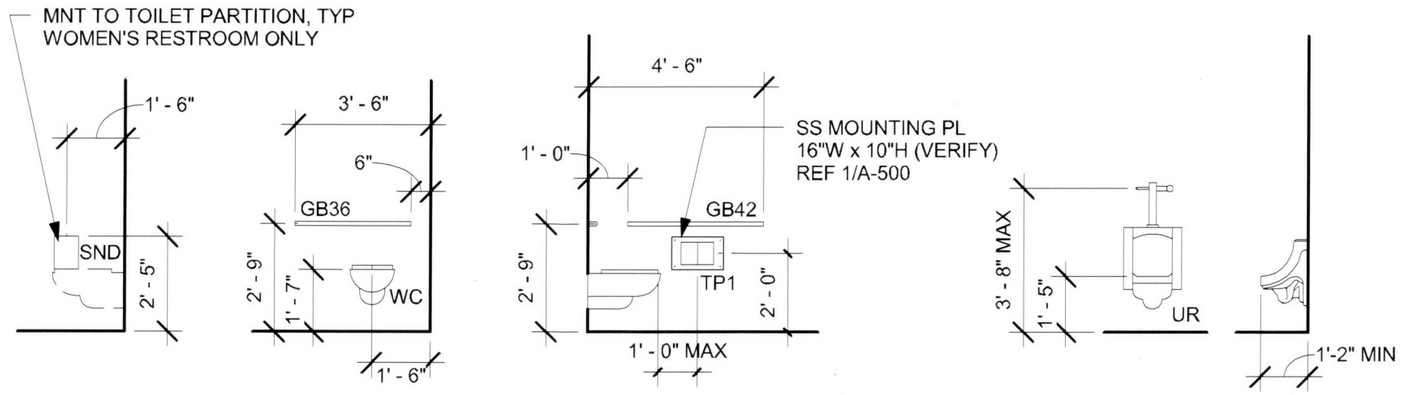
SCALE
1/4" = 1'-0"

DRAWING TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A-253

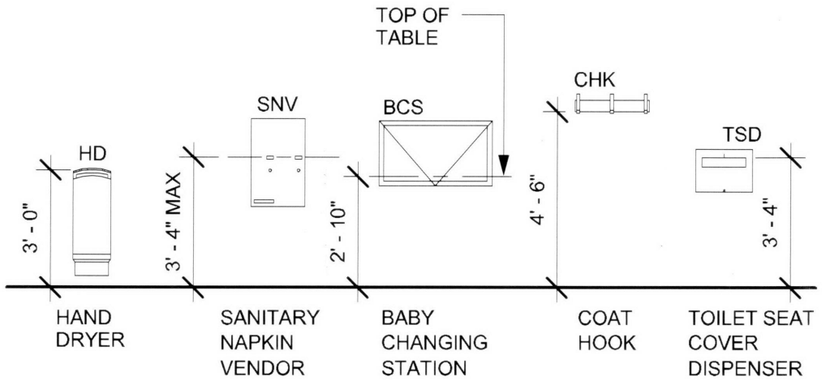


TYPICAL STANDARD TOILET STALLS

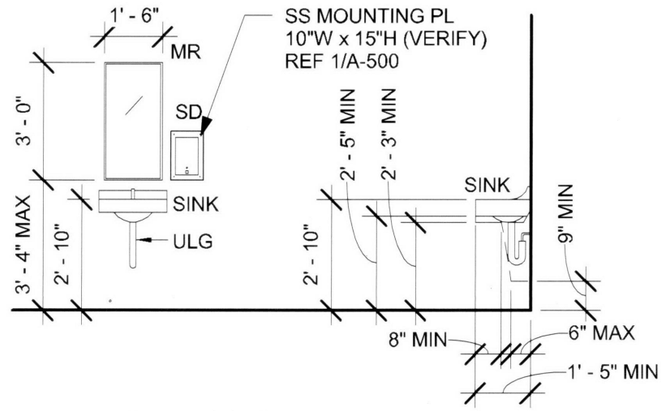


TYPICAL ACCESSIBLE TOILET STALLS

TYPICAL URINAL



TOILET ROOM ACCESSORIES



TYPICAL ACCESSIBLE LAVATORY

FIXTURE & ACCESSORY ABBREVIATIONS

BCS	BABY CHANGING STATION
CHK	COAT HOOK
GB	GRAB BAR
FA	FIRE ALARM LOCATION, REF ELEC
HD	HAND DRYER
LS	LIGHT SWITCH LOCATION, REF ELEC
MR	MIRROR
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDOR
TP1	TOILET PAPER DISPENSER - SIDE-BY-SIDE
TP2	TOILET PAPER DISPENSER - QUAD
TSD	TOILET SEAT COVER DISPENSER
ULG	UNDER LAVATORY GUARDS
UR	URINAL
WC	WATER CLOSET

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FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY
COLLEGE

ISSUANCE
BID SET

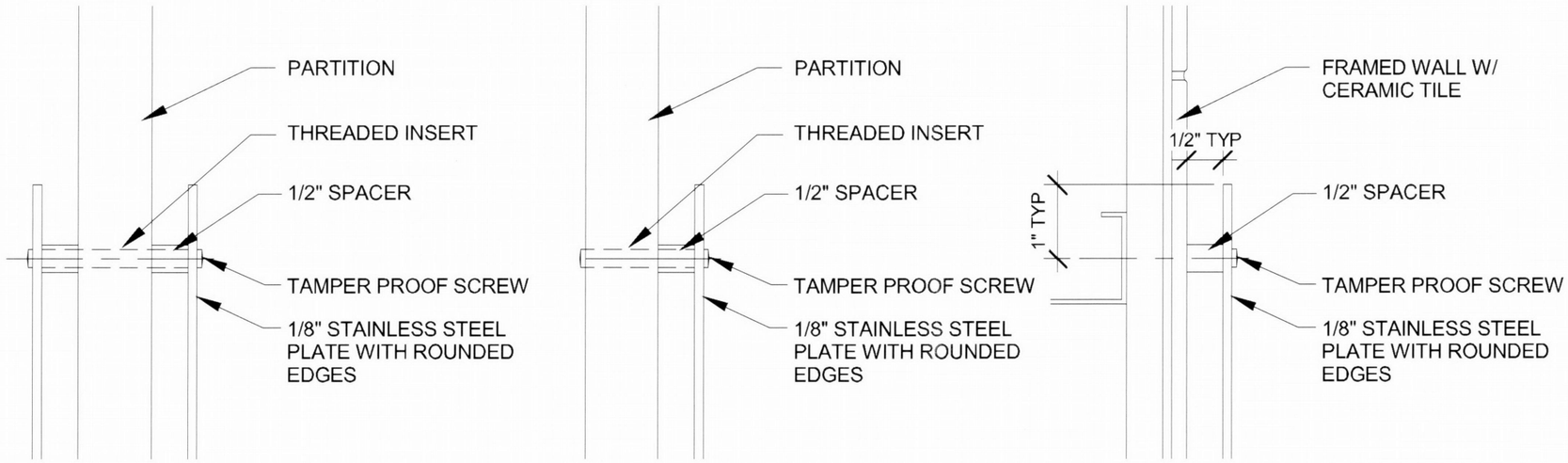
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

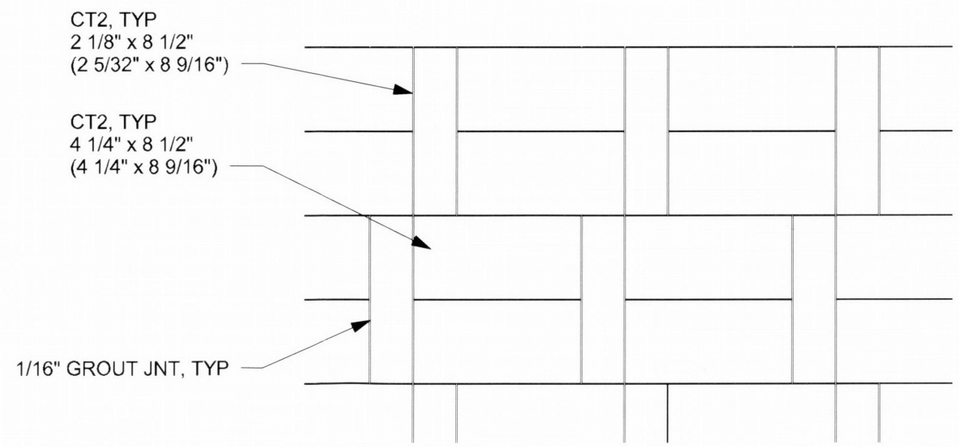
SCALE
1/4" = 1'-0"

DRAWING TITLE
ABBREVIATIONS & TYPICAL
MOUNTING HEIGHTS

SHEET NUMBER
A-280



1 MOUNTING PLATE
6" = 1'-0"



2 TYPICAL TILE PATTERN DETAIL
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
WILLIAM C. DANN
PORTLAND, OREGON
4608
STATE OF OREGON

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE
As indicated

DRAWING TITLE
INTERIOR DETAILS

SHEET NUMBER
A-500

DIVISION 26: BASIC ELECTRICAL REQUIREMENTS

General: This project involves the updating of an existing restroom. Existing receptacles, fire alarm devices, lighting fixtures and connections to hand dryers are to remain in the existing locations. Coordinate removal and re-installation of existing devices with Architect.

Permits: Obtain and pay for electrical permits applicable to the project as required by law.

Materials and Products:

Low-Voltage Electrical Power Conductors and Cables: Copper THHN; Comply with NEMA WC 70.

Raceways: EMT; ANSI C80.3 with fittings listed for type of raceway used and for application and environment in which installed. Minimum raceway size shall be 3/4 inch. Keep raceways at least 6 inches away from hot water pipes.

Outlet and Device Boxes: One-piece, pressed steel, knock-out type.

Enclosed Switches: Type HD, Heavy-Duty, Single-Throw Non-Fusible Switch, 240V AC, 30 Amp, UL98 and NEMA KS1; Horsepower rated, lockable handle; Interlocked with cover in closed position.

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GLUMAC engineers for a sustainable future

320 SW Washington St., Suite 200
Portland, OR 97204
T 503.227.5280 F 503.274.7674

Job No. 02.11.00307
Contact JUDI ERMEYER
www.glumac.com

EXPIRES: 12/31/12

REGISTERED PROFESSIONAL ENGINEER
51023PE
OREGON
JULY 21, 1995
WILLIAM J. PARRY

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE
NONE

DRAWING TITLE
SPECIFICATIONS - ELECTRICAL

SHEET NUMBER
E-000

EXISTING PANEL
ELECTRICAL LOAD SUMMARY
PANEL F

Panel Size (AMP): 100A, 208/120V, 3ø, 4W — MLO

LOAD/ PANEL DESCRIPTION	EXISTING DEMAND LOAD (KVA)	REMOVED LOAD (KVA)	NEW DEMAND LOAD (KVA)	TOTAL LOAD KVA
PANEL F	16			16
ELECTRICAL FLUSH VALVE			.24	.24
TOTALS	16		.24	16.24
				(44.98A)

H:\Jobs\PCC Cascade.1st Flr Restrooms.02.11.00397_Drawings_CAD\PCC-E001.dwg 15 Jun 2011 - 8:37 am jwp

LOCATION: **PCC CASCADE - JACKSON HALL** — ***** EXISTING EQUIPMENT ***** — NORMAL POWER

PANEL F

© Glumac 2005

POLE NO.	LOAD SERVED	CKT SIZE	LOAD TYPE	LOAD HP	LOAD KVA	C.B. AMP	C.B. POL	PH	C.B. AMP	C.B. POL	LOAD TYPE	LOAD HP	LOAD KVA	CKT SIZE	LOAD SERVED	POLE NO.
1	GENERAL CLASSROOM {1}	20.1	R	-	.7	20	1	A	20	1	R	-	1.1	20.1	CORRIDOR 104 {1]}	2
3	GENERAL CLASSROOM 108 PROJ. {1}	20.1	N	-	1	20	1	B	20	1	R	-	1.1	20.1	JAN 101 {1}	4
5	PREP 107 {1}	20.1	R	-	1.1	20	1	C	20	1	R	-	.4	20.1	RESTROOMS {1}	6
7	PREP 107 {1}	20.1	R	-	1.1	20	1	A	20	1	N	-	1	20.1	LOBBY 100 DOOR {1}	8
9	PREP 107 {1}	20.1	R	-	.4	20	1	B	20	1	L	-	1.3	20.1	L-108 {1}	10
11	GENERAL CLASSROOM 108 {1}	20.1	R	-	.7	20	1	C	20	1	L	-	.4	20.1	L-107 {1}	12
13	GENERAL CLASSROOM 108 PROJ. {1}	20.1	N	-	1	20	1	A	20	1	L	-	1.3	20.1	L-108 {1}	14
15	CORRIDORS, RESTROOM {2}	20.1	R	-	.6	20	1	B	20	1	L	-	.9	20.1	CORRIDOR SOUTH {1}	16
17	SPARE BREAKER	-	-	-	-	20	1	C	20	1	L	-	.7	20.1	CORRIDOR NORTH {1}	18
19	SPARE BREAKER	-	-	-	-	20	1	A	20	1	-	-	-	-	SPARE BREAKER	20
21	SPARE BREAKER	-	-	-	-	20	1	B	20	1	-	-	-	-	SPARE BREAKER	22
23	SPARE BREAKER	-	-	-	-	20	1	C	20	1	-	-	-	-	SPARE BREAKER	24
25	SPARE BREAKER	-	-	-	-	20	1	A	20	1	-	-	-	-	SPARE BREAKER	26
27	SPARE BREAKER	-	-	-	-	20	1	B	20	1	-	-	-	-	SPARE BREAKER	28
29	SPARE BREAKER	-	-	-	-	20	1	C	20	1	-	-	-	-	SPARE BREAKER	30
31	SPARE BREAKER	-	-	-	-	20	1	A	20	1	-	-	-	-	SPARE BREAKER	32
33	SPARE BREAKER	-	-	-	-	20	1	B	20	1	-	-	-	-	SPARE BREAKER	34
35	SPARE BREAKER	-	-	-	-	20	1	C	20	1	-	-	-	-	SPARE BREAKER	36
37	SPARE BREAKER	-	-	-	-	20	1	A	20	1	-	-	-	-	SPARE BREAKER	38
39	SPARE BREAKER	-	-	-	-	20	1	B	20	1	-	-	-	-	SPARE BREAKER	40
41	SPARE BREAKER	-	-	-	-	20	1	C	20	1	-	-	-	-	SPARE BREAKER	42

VOLTAGE: **120Y/208V 3Ø, 4W**
MOUNTING: **FLUSH**
MAIN: **100A MLO**
BUS RATING **100A**
AIC RATING: **SEE ONE LINE**

ADDITIONAL PANEL FEATURES:

LOAD TYPE	CONN. KVA	DEMAND FACTOR	DEMAND KVA	DEMAND AMPS
(L) LIGHTING	4.6	NEC 220.42	5.8	16
(R) RECEPTACLES --------->	7.2	NEC 220.44	7.2	20
(M) MOTOR LOADS -------->	0	1.0	0	0
LARGEST MOTOR ---->	0	0.25	0	0
(C) CONTINUOUS ---------->	0	1.25	0	0
(N) NON-CONTINUOUS --->	3	1.0	3	8.3
(K) KITCHEN EQUIP. ------->	0	1.0	0	0
(#) SPECIAL DEMAND ---->	0	1.0	0	0
**TOTAL ----------> **	**15**		**16**	**44**
WITH 25% SPARE -->	**19**		**20**	**56**

FED FROM:

SF = LOADS FROM SUBFED PANEL/MCC XFR = SIZE PER XFR SCHD

CONN LOAD SUMMARY

PH	AMPS
A	51.7
B	44.2
C	27.5

80% RATED PNL DMND FACTORS

CIRCUIT NOTES:
{1} = EXISTING CIRCUIT (NO CHANGE)
{2} = NEW LOAD ON EXISTING CIRCUIT

PROJECT: **PCC 1ST FLR. RESTROOM REMODEL**
ISSUED FOR: **FOR CONSTRUCTION**
DATE ISSUED: **13-JUN-2011**

UPDATED: 6/13/2011 2:49 pm

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Job No.: 02.11.00397
Contact: JUDI ERMEYER
www.glumac.com

STAMP

EXPIRES: 12/31/12

REGISTERED PROFESSIONAL ENGINEER 51023PE OREGON JULY 21, 1995 WILLIAM J. PARRY

PLAN NORTH

PCC JACKSON HALL
FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

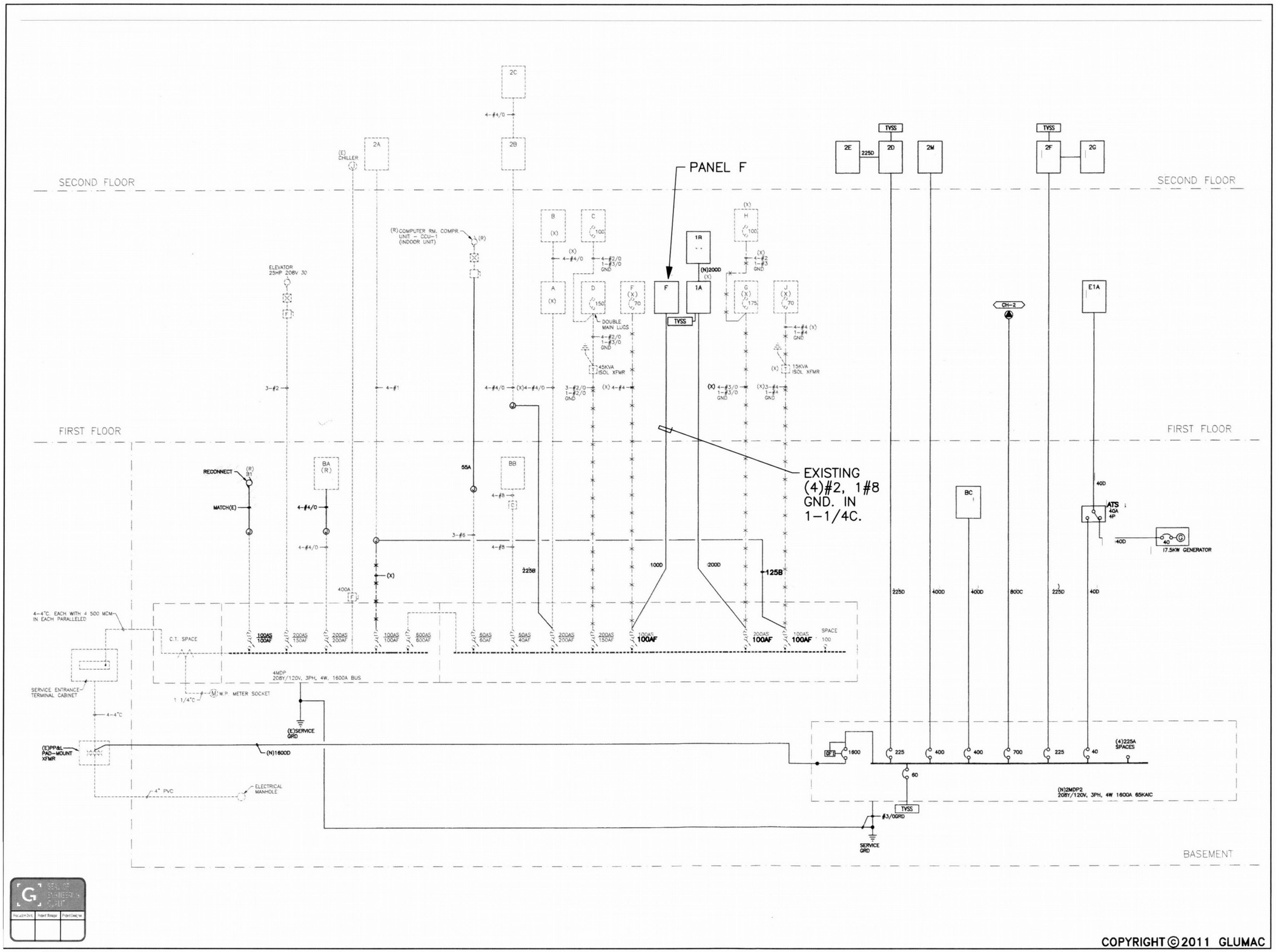
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE
NONE

DRAWING TITLE
SCHEDULES - ELECTRICAL

SHEET NUMBER
E-001



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FIRST FLOOR
RESTROOM REMODEL

PORTLAND COMMUNITY COLLEGE

ISSUANCE
BID SET

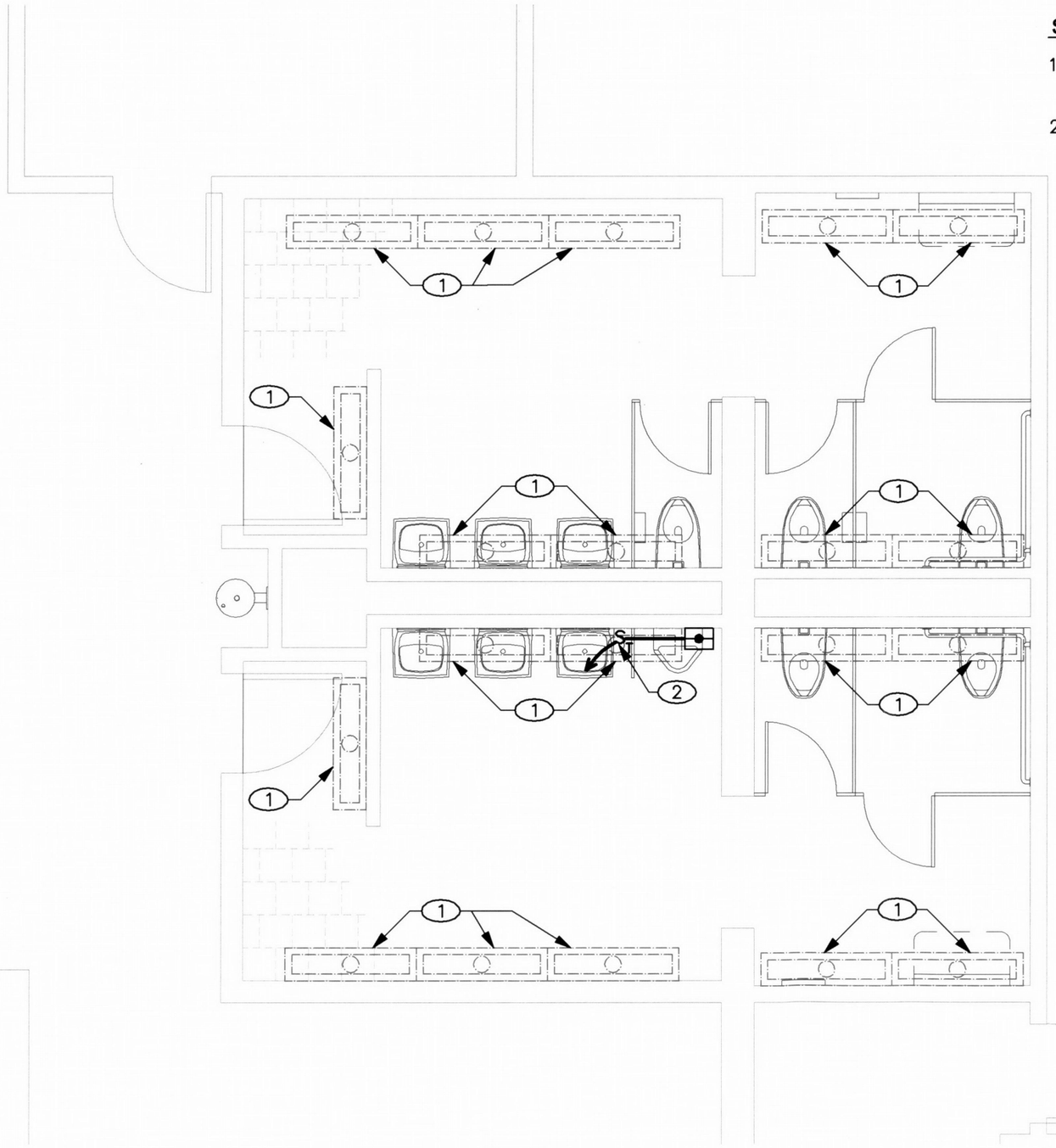
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE
NONE

DRAWING TITLE
ONE LINE DIAGRAM - ELECTRICAL

SHEET NUMBER
E-002



SHEET NOTES

1. CLEAN LENSES AND RELAMP EXISTING LIGHTING FIXTURES.

2. LOCATE TOGGLE SWITCH DISCONNECT FOR URINAL ELECTRONIC FLUSH VALVE BEHIND ACCESS PANEL. REFER TO SHEET P–102. PROVIDE POWER TO LOW VOLTAGE TRANSFORMER FROM EXISTING CORRIDOR RECEPTACLE. REFER TO SHEET E–101.

1 **FIRST FLOOR RESTROOM PLAN - ELECTRICAL**
SCALE: 1/4"=1'-0"

0 2" 4" 8"

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BID SET

PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

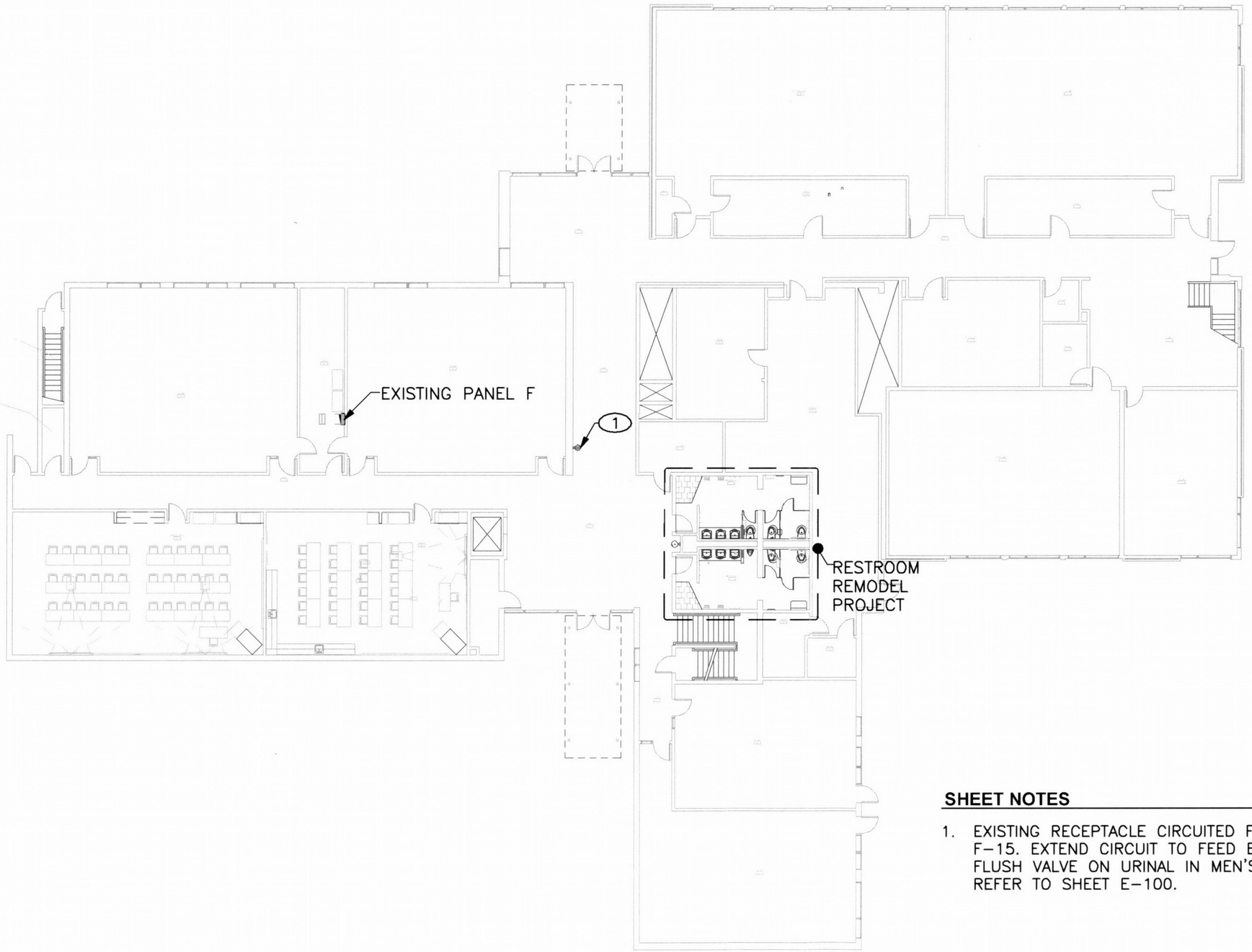
SCALE
1/4" = 1'-0"

DRAWING TITLE

FIRST FLOOR RESTROOM PLAN - ELECTRICAL

SHEET NUMBER

E-100



SHEET NOTES

1. EXISTING RECEPTACLE CIRCUITED FROM PANEL F–15. EXTEND CIRCUIT TO FEED ELECTRONIC FLUSH VALVE ON URINAL IN MEN'S RESTROOM. REFER TO SHEET E–100.

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PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE
1" = 20'-0"

DRAWING TITLE

OVERALL FIRST FLOOR PLAN - ELECTRICAL

SHEET NUMBER

E-101

FIXTURE SCHEDULE

TAG	DESCRIPTION	CONNECTION SIZES					MAKE AND MODEL	NOTES
		TRAP	W	V	CW	HW		
WC-1	WATER CLOSET	INT	4"	2"	1 1/4"	–	FIXTURE: KOHLER K-4330 "KINGSTON" OR SLOAN ST-2052-A-1.6/1.1. WHITE VITREOUS CHINA, MOUNT 15" FLOOR TO BOWL SEAT: BEMIS 1655CT WHITE FLUSH VALVE: SLOAN WES-111 DUAL FLUSH FLUSHOMETER	
WC-2	WATER CLOSET	INT	4"	2"	1 1/4"	–	FIXTURE: KOHLER K-4330 "KINGSTON" OR SLOAN ST-2052-A-1.6/1.1. WHITE VITREOUS CHINA. MOUNT 17" FLOOR TO TOP OF SEAT SEAT: BEMIS 1655CT WHITE FLUSH VALVE: SLOAN WES-111 DUAL FLUSH FLUSHOMETER	
UR-1	URINAL	INT	2"	1 1/2"	3/4"	–	FIXTURE: ZURN Z5708 "NANO PINT" FLUSH VALVE: ZURN ZEG6003EV-HW TRANSFORMER: P6000-HW6	
L-1	LAVATORY	1 1/2"	1 1/2"	1 1/2"	1/2"	1/2"	FIXTURE: KOHLER K-2005 "KINGSTON". WHITE VITREOUS CHINA WALL MOUNT WITH J.R. SMITH CARRIER FAUCET: SLOAN EAF-275 "SOLIS". SOLAR POWERED HANDS FREE, SINGLE TEMPERATURE W/ GRID STRAINER STOPS AND SUPPLIES: MCGUIRE OR BRASS CRAFT. CHROME PLATED BRASS TRAP MIXING VALVE: LEONARD 370, ONE MIXING VALVE PER 6 LAVATORIES	

NOTES:

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ISSUANCE
BID SET

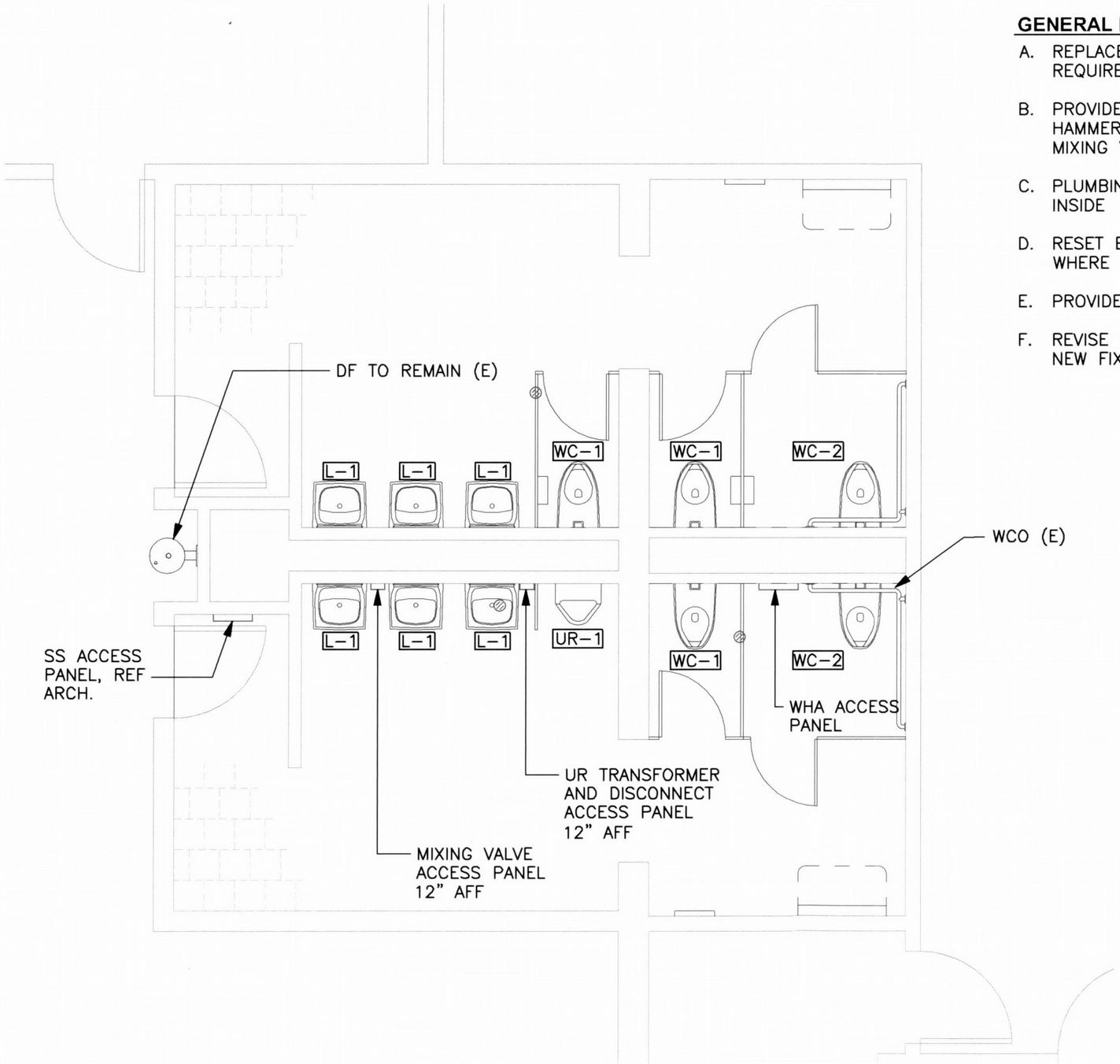
PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE

DRAWING TITLE
SCHEDULES - PLUMBING

SHEET NUMBER
P-101



GENERAL NOTES

A. REPLACE OR RESET CLOSET CARRIERS AS REQUIRED. EXISTING CARRIERS MAY BE LOOSE.

B. PROVIDE 12x12 SS ACCESS PANELS FOR WATER HAMMER ARRESTOR, URINAL CONTROLS, AND MIXING VALVE.

C. PLUMBING CHASE HAS CONSIDERABLE CONCRETE INSIDE

D. RESET EXISTING FLOOR DRAINS, ADD GRATES WHERE MISSING.

E. PROVIDE NEW COVER FOR WALL CLEANOUT.

F. REVISE PLUMBING IN WALLS TO ACCOMMODATE NEW FIXTURES AS REQUIRED.

1 **FIRST FLOOR RESTROOM PLAN - PLUMBING**
SCALE: 1/4"=1'-0"

0 2' 4' 8'

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ISSUANCE
BID SET

PROJECT NUMBER
0912 (THA)

DATE
JUNE 13, 2011

SCALE

DRAWING TITLE
FIRST FLOOR RESTROOM PLAN - PLUMBING

SHEET NUMBER
P-102