



**MUSGROVE
ENGINEERING, P.A.**

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March 13, 2014

Attention: **All Plan Holders**

Re: **Renovate Infrastructure
Capitol Annex Phase 4
Department of Administration
Boise, Idaho
DPW Project No. 14006**

Addendum No. 2

NOTICE TO ALL BIDDERS:

You are hereby notified of the following clarifications of and/or revisions to the Drawings and Specifications for the above referenced project. Addendum No. 2 is hereby made a part of the project requirements and contract documents for the reference project. Be sure to acknowledge it in your Bid Proposal Form.

ITEM No. 1 – GENERAL CLARIFICATIONS

1. All building permits, including HVAC, Plumbing, Electrical, and Elevator shall be paid by the contractor. All special inspections will be paid for by DPW on the first inspection only. If the first special inspection fails, then all subsequent inspection costs will be by the contractor.
2. Items 1-4 of Alternate #1 description of work incorrectly referenced Alternate #2. See attached for corrected bid forms BP-1 and BP-2. Please note the following:

Alternate #1:

1. Alternate No. 1 shall consist of **all** Work required to upgrade the existing elevator as shown on Drawings and as specified in Division 14 Section - Electric Traction Elevators.
2. **All** selective demolition required to such Alternate work shall be included as a part of this Alternate No. 1.
3. **All** electrical Work required to provide such Alternate Work shall be included as a part of this Alternate No. 1.
4. Work required under this Alternate No. 1 is to be done in designated "historic areas" of the building. Contractor shall conform to notes on Drawings related to work in such historic areas.

Alternate #2:

1. Provide and install two new rooftop air handlers on 5th floor roof to serve floors 1 – 4 in Northeast portion of building. Included in this alternate is the

final electrical, hydronic and ducting connections to the new units.

It should be noted that ALL services up to the roof top units are to be installed under the base bid scope of work. ONLY the final connections are to be necessary for the bid alternate scope of work

3. The bid date has NOT changed. This bid due date and time shall remain at:

Sealed proposals will be received by Division of Public Works, State of Idaho at 502 N. 4th St., Boise, ID. 83702 until 2:00 p.m., local time, on Tuesday, March 18th for DPW Project No. 14006.

ITEM No. 2 – PLANS

M0.0

1. The Mechanical and Plumbing Drawing Legend did not signify the smoke/fire damper symbol that is used on sheets M1.1-M1.4. The two triangle symbol used where ducts pass through rated walls is a smoke/fire damper.

M1.0

1. FC-5 and FC-6 and their corresponding condensing units (CU-5 and CU-6) shall NOT be included under this project.

M1.4

1. EF-1 and EF-2 are located on the 3rd floor roof. The ductwork for these fans drop straight down to the restroom cores as shown on sheets M1.1, M1.2, and M1.3.

M1.5

1. Bid Alternate #2 includes AHU-1 and AHU-2 units only. All associated ductwork and hydronic piping for air handlers are part of the base bid.

FP1.1, 1.2, and 1.3 - Fire Protection Clarification Notes

1. The building will be 100% protected with a fire sprinkler system – this shall include all levels of the facility, including the top “domed” area and the full basement level – up to the new wall that secures the tunnel.
2. The building will be considered to be a high rise as it contains a level that is more than 75 feet above the lowest level. The fire sprinkler system shall be designed to accommodate this requirement. In order to determine appropriate fire protection design, please note that the building is not classified as either a Category “A” or “B” level, and therefore water storage may be required. As part of this project’s scope, DO NOT include any on-site water storage INSTALLATION in your bid, but DO include an underground storage tank DESIGN within your base bid. The water storage installation will be addressed in Phase 5.
3. Standpipes will be required. In floors 1 thru 4, the standpipes will be within a tempered space and therefore can be wet. On floors 5 thru 8, the standpipes will



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be in “unconditioned” spaces, and therefore must be dry. The upper floor valves shall be located in the east mechanical room on the 4th level.

4. Sprinkler Heads:

Basement Level: Sprinkler heads will be required in the basement level. The area of coverage shall be the entire basement outside the new wall to be built at the tunnel entry.

Levels 1 thru 4: In all unfinished areas in the “occupy-able” floors 1 thru 4, install main lines and capped branch piping at 130 square feet centers for future sprinkler head installations.

Levels 1 thru 4: In all newly finished areas in the “occupy-able” floors 1 thru 4 the final sprinkler heads will be installed. This shall include the new restrooms and janitor rooms and com rooms.

Levels 1 thru 4: In all existing finished areas in the “occupy-able” floors 1 thru 4 the final sprinkler heads will not be installed. Mains and branch piping shall be installed to the edge of the space and the final extension of the branch piping shall be installed in a future phase and coordinated with the general contractor. These spaces shall include all central stairwells, and lobbies on each floor. This shall also include the two existing “chamber rooms” on the east and west sides of the 3rd floor.

Levels 5 thru 8: Sprinkler heads will be required in the upper levels of the facility to provide full coverage as required by NFPA. All equipment and fixtures will remain “as-is” in the upper levels and it will be the contractor’s responsibility to work around the existing conditions as necessary in order to install the required sprinkler system. The furniture in the dome level may be relocated to a lower floor with coordination from DPW, or can be worked around and left in place at contractor’s option. Contractor shall protect all existing finishes and furniture in the upper levels. Also, on level 5 the contractor may remove and dispose of the existing ceiling tile in order to help expedite the fire sprinkler work at the contractor’s option.

5. The location of the future fire pump shall be in the south west corner of the basement. The contractor shall provide future connections to this area.
6. The fire sprinkler piping shall be tested with air and left dry, as no heat will be in the building until the end of phase 5. An extended warranty will be required for all sprinkler piping and the installing contractor shall be present when the system is initially charged in order to verify piping integrity.

SHEET A2.1, A2.2, A2.3, A2.4

1. Bidders attention is drawn to General Note 2.

SHEET A2.3

1. On floor plan, at north side of building, second window from the east, keyed note 18. This window infill is brick.
2. On floor plan at south center location of building additional doors and walls to be removed. On floor plan, at south center location there is a window at this location. Infill will need removed and new window provided. Refer to Drawing ADD-2-5, attached to this addendum.
3. On floor plan, at north side of building, there should be (3) windows at northeast wing. Infill shall be removed and new window provided. Refer to Drawing



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ADD-2-6, attached to this Addendum.

SHEET A3.0, A3.1, A3.2, A3.3, and A3.4

1. On floor plans, wall types on exterior walls are furred out with zee channel. Walls are a combination of existing plaster and removed plaster from concrete walls. Contractor shall provide 20 ga. Galv. Steel hat channels perpendicular to wall zee furring at 24" o.c. at bare concrete locations to accommodate variances in wall. Plaster depth is typically 7/8." Hat shaped furring channels will need to be provided in approximately 15% of the exterior wall locations. Attach zee shaped furring channels to hat shaped funning channels w/ (2) screws per intersection.

SHEET A3.1, A3.2

1. At floor plans in northeast section of building by elevator revise per Drawing ADD-2-7, attached to this addendum.

SHEET A3.3

1. There are (10) columns that extend from the south wall. They are approximately 12"x3" deep. Contractor shall provide exterior wall type furring around each column.

SHEET A4.1

1. On Room finish schedule, rooms 100,104, 200,204, 301 and 400 ceiling material shall be open to structure.
2. On Room finish schedule, room 102, east wall material shall be revised to GB.
3. On Room finish schedule, rooms 104 and 106, west wall material shall be revised to GB.
4. On Room finish schedule, rooms 200 and 206, south wall material shall be revised to GB.
5. On Room finish schedule, rooms 204 and 206, west wall material shall be revised to GB.

SHEET A8.1

1. At details 12 and 13, revise WPT to PTW, Pressure Treated Wood.
2. Provide additional detail for the exterior wall furring at the top track. Refer to ADD-2-8, attached to this addendum.

SHEET A9.1

1. At all restroom floor plans, columns shall be furred to accommodate water



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resistant gypsum backer board for tile application and gypsum board for texture and paint application. 7/8" hat channel shall be provided.

2. At Women's 103, Women's 203, and Women's 300 restrooms, (1) 24"x36" access panel shall be provided at gypsum ceiling in each space. Coordinate locations with Mechanical Drawings. Refer to Specifications section 083113 – Access Doors and Frames, attached to this addendum.

SHEET A9.2

1. At flooring plans, revise flooring patterns per Drawings ADD-2-1, ADD-2-2, ADD-2-3 and ADD-2-4, attached to this addendum.

SHEET S1.1

1. At floor plan, bottom of existing footings are approximately 5'-0". The two most southern footings are approximately 5'-9"x5'-9"x14" and the four most northern footings are approximately 4'-0"x4'-0"x14". Excavation should be at 1 to 1 slope. Approximate removal of the slab is 18'-0"x18'-0" per footing. Refer to Specification Section 312300- Earthwork, attached to this addendum, for additional requirements.

ITEM No. 3 – SPECIFICATIONS

SPECIFICATIONS SECTION 010100 – SUMMARY OF WORK

1. Add the following sections to specification:

1.5 EXTENDED START-UP SERVICES

A. General:

1. The building systems installed under this project will not be operational for at least 1 year after installation. At which time the systems are operational, the contractor will return to the job site to complete all testing and balancing, cleaning and adjusting, start-up operations, and owner training. Contractor shall include in his schedule of values a line item for this work. Contractor will be reimbursed for these services at the time of completion.

B. Warranty:

1. In addition to any warranties specified herein these specifications, the contractor shall warranty his work for any and all defective or nonconforming Work for a period of twelve (12) months following Extended Start-Up Services.

1.6 TEMPORARY HEAT

- A. In addition to other specified requirements, Contractor shall provide temporary heating as required for installation of all temperature sensitive materials and to allow for proper preparation, space conditioning, installation, drying, curing, etc. of such materials.



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Temporary heat source shall be provided by Contractor and shall be electric heaters. Temperatures shall be maintained within limits and for time periods indicated in materials manufacturers' printed instructions. Contractor shall provide such temporary heat inside new toilet rooms for entire Phase 4 construction period to maintain air, finish, and substrate temperatures at 60 degrees F or above. Power for electric heaters connected to building electrical system will be paid for by Owner.

SPECIFICATIONS SECTION 072100 – THERMAL INSULATION

Revise Paragraph 2.4 to read as follows:

2.4 VAPOR RETARDERS

Fire-Retardant, Reinforced-Polyethylene Vapor Retarders: Two outer layers of polyethylene film laminated to an inner reinforcing layer consisting of either nonwoven grid of nylon cord or polyester scrim and weighing not less than 22lb/1000sq. ft. (10kg/100 sq.m), with maximum permeance rating of 0.1317 perm (7.56 ng/Pa x s x sq. m) and with flame-spread and smoke-developed indexes of not more than 5 and 60, respectively, per ASTM E 84.

1. Products: Subject to compliance with requirements, provide one of the following:
 - a. Raven Industries Inc.; DURA-SKRIM 2FR.
 - b. Reef Industries, Inc.; Griffolyn T-55 FR.

Vapor-Retarder Tape: Pressure-sensitive tape of type recommended by vapor-retarder manufacturer for sealing joints and penetrations in vapor retarder.

Vapor-Retarder Fasteners: Pancake-head, self-tapping steel drill screws; with fender washers.

Single-Component Nonsag Urethane Sealant: ASTM C 920, Type I, Grade NS, Class 25, Use NT related to exposure, and Use O related to vapor-barrier-related substrates.

Adhesive for Vapor Retarders: Product recommended by vapor-retarder manufacturer and has demonstrated capability to bond vapor retarders securely to substrates indicated.

SPECIFICATIONS SECTION 075450 – SINGLE PLY MEMBRANE ROOFING

Revise Paragraph 1.2.B. to read as follows:

- 1.2.B. Patching repairs and flashings at existing single ply membrane system are limited to

SPECIFICATIONS SECTION 079200 – JOINT SEALANTS

Add the following Paragraph 2.6:



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2.6 LATEX JOINT SEALANTS

A. Latex Sealant: Comply with ASTM C 834, Type P, Grade NF. Use this sealant for general interior caulking and at drywall and wood construction to be painted.

B. Products:

1. Pecora Corporation; AC-20+.
2. Sonneborn, Division of ChemRex Inc.; Sonolac.
3. Tremco; Tremflex 834.

SPECIFICATIONS SECTION 083113 – ACCESS DOORS AND FRAMES

Specifications Section 083113 – Access Doors and Frames, attached to this Addendum, shall be a part of the Contract Documents for this Project

SPECIFICATIONS SECTION 085113 – ALUMINUM WINDOWS

Revise Paragraph 1.3.B.2.b. to read as follows:

1.3.B.2.b. Air infiltration shall not exceed .10cfm/sq. ft.

Revise Paragraph 1.3.B.7.b. to read as follows:

1.3.B.7.b. Conductive thermal transmittance (u-value) shall be not more than 0.38

Revise Paragraph 1.4.A. to read as follows:

1.4.A. Provide test reports from AAMA accredited laboratories indicating performance of Windows in categories indicated in Paragraph 1.3.1. Minor deviations from performances indicated in Paragraph 1.3 are acceptable as they pertain to specific approved aluminum manufacturers/products.

Delete Paragraph 1.8.D.1. (Labeling is not required.)

SPECIFICATIONS SECTION 088000 – GLAZING

Revise Paragraph 3.6 D. to read as follows:

2.3.A.5. Winter Night time ‘U’ Value: .30 Maximum

SPECIFICATIONS SECTION 092116.23- GYPSUM BOARD SHAFT WALL ASSEMBLIES

Revise Paragraph 2.2.E. to read as follows:

2.2.E Firestop Tracks: Tracks at top of shaft wall at each floor level shall be ‘J Runners’ as indicated on Drawings and to conform to UL Assembly #U415.

SPECIFICATIONS SECTION 092900 – GYPSUM BOARD

Revise Paragraph 3.6.D to read as follows:



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D. Gypsum board Finish Levels: Finish panels to levels indicated below and according to ASTM C 840:

Level 1: Ceiling plenum areas, concealed areas, and where indicated.

Level 2: Panels that are substrate for tile.

Level 4: At panel surfaces that will be exposed to view.

Primer and its application to surfaces are specified in Section 099123 'Interior Painting.'

Level 5: Not required.

SPECIFICATIONS SECTION 102800 – TOILET ACCESSORIES

Revise Paragraph 3.3.D Accessories Schedule as follows:

Include room 300 with rooms 103 and 203, Include room 302 with rooms 108 and 208.

SPECIFICATIONS SECTION 230100 – HEATING, VENTILATION AND AIR CONDITIONING

Section 2.3.A Ductwork

The ducting associated with AHU-1 and AHU-2 (Located on the North East roof) is to be as follows:

Exterior duct located on the roof – Section 2.3.A.4 Double Wall K-27 or equal with exterior paint per Section 2.3.A.5.

Vertical ducting located in the shafts – Section 2.3.A.4 Double Wall K-27 or equal.

Horizontal ducting out on the each respective floor – Section 2.3.A.3 Single Wall

The ducting associated with the existing air handlers that is to be extended out onto each floor shall be as follows:

Horizontal ducting out on the each respective floor – Section 2.3.A.3 Single Wall. Contractor shall provide some means of isolating new ductwork from previously installed ductwork (i.e. damper or temporary blank-off). This will allow the work performed by different contractors to be tested independently.

Section 2.5. Insulation

Section 2.5.C – Duct Insulation

Clarification of Insulation Requirements – All K-27 ducting (or equal) is internally lined. No other requirement is necessary. All single wall ducting shall be wrapped with R-5 insulation. All ducting insulation is to be included as part of the scope of work of this project.

Section 2.5.D – Pipe Insulation



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It is the intent of the project to leave the piping system dry and only provide an air test on the installed pipe. Therefore only pipe located in concealed spaces shall be insulated. (This will be the opportune time to access and insulate such pipe.) Once water is tested on the piping system at the completion of Phase 5, will the remaining sections of the pipe be insulated.

SPECIFICATIONS SECTION 312300- EARTHWORK

Specifications Section 312300 – Earthwork, attached to this addendum, shall be a part of the Contract Documents for this Project.

ITEM No. 4 - ALL APPLICABLE DRAWINGS AND SPECIFICATIONS SECTIONS

Delete all finishing (taping, texturing, etc.) of new gypsum board except at the following locations:

1. Inside new toilet rooms.
2. Inside and around window and door openings.

Delete all latex sealant (caulk) applications except at the following locations:

1. Inside new toilet rooms.
2. Around door frames, inside window openings, and around window sills.

PRIOR APPROVALS

<u>Specifications Section No.</u>	<u>Item</u>	<u>Manufacturer (Product or System)</u>
102113	Toilet Compartments	Guardian (Black Craquel)
102113	Toilet Compartments	Ampco

END OF ADDENDUM NO. 2



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BID PROPOSAL

TO: STATE OF IDAHO
DIVISION OF PUBLIC WORKS

Gentlemen:

The Bidder, in compliance with your Invitation for Bids for the construction of DPW Project No. 14006, Renovate Infrastructure, Capitol Annex Building – Phase 4, Department of Administration, Boise, Idaho, having examined the bidding and Contract Documents and the site of the proposed Work, and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies and to provide the service and insurance in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents.

Bidder hereby agrees to commence Work under this Contract on a date to be specified in the written "Notice to Proceed" of the Owner and to substantially complete the Project within 180 consecutive calendar days thereafter, as stipulated in the specifications. Bidder further agrees to pay as liquidated damages, the sum of \$100.00 for each consecutive calendar day after the established substantial completion date or adjusted date as established by change order.

Bidder acknowledges receipt of Addenda No. _____.
(List all Addenda)

BASE PROPOSAL: Bidder agrees to perform all of the base proposal Work described in the specifications and shown on the plans for the sum of:

_____ Dollars (\$_____)
(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

Alternate No. 1:

1. Alternate No. 1 shall consist of all Work required to upgrade the existing elevator as shown on Drawings and as specified in Division 14 Section - Electric Traction Elevators.
2. All selective demolition required to such Alternate work shall be included as a part of this Alternate No. 1.
3. All electrical Work required to provide such Alternate Work shall be included as a part of this Alternate No. 1.
4. Work required under this Alternate No. 1 is to be done in designated "historic areas" of the building. Contractor shall conform to notes on Drawings related to work in such historic areas.

Add the sum of _____ Dollars (\$_____)

Alternate No. 2: Provide and install two new rooftop air handlers on 5th floor roof to serve floors 1 – 4 in Northeast portion of building. Included in this alternate is the final electrical, hydronic and ducting connections to the new units.

It should be noted that ALL services up to the roof top units are to be installed under the base bid scope of work. ONLY the final connections are to be necessary for the bid alternate scope of work.

Add the sum of _____ Dollars (\$_____)

Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding.

The bidder agrees that this bid shall be good for a period of forty-five (45) calendar days after the scheduled opening time for receiving bids.

Upon receipt of written Notice of Intent to Award of this bid, Bidder will execute the formal Contract within ten (10) calendar days and deliver a Surety Bond or Bonds as required by paragraph "Performance and Payment Bonds" first page (ITB-1) of the Instructions to Bidders.

The bid security in the amount of five percent (5%) of the bid amount is to become the property of the Owner, in the event the Contract and bond are not executed within the time set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

The names and addresses of the entities who will perform the Work identified below, subject to approval of Owner and Architect, if Undersigned is awarded the Contract, are as follows:

Plumbing (PWCL Category 15400)

(Name) _____

(Address) _____

Idaho Public Works Contractors License No. _____

Idaho Plumbing Contractors License No. _____

Heating, Ventilating & Air Conditioning (PWCL Category 15700-HVAC)

(Name) _____

(Address) _____

Idaho Public Works Contractors License No. _____

Idaho HVAC Contractors License No. _____

Electrical (PWCL Category 16000)

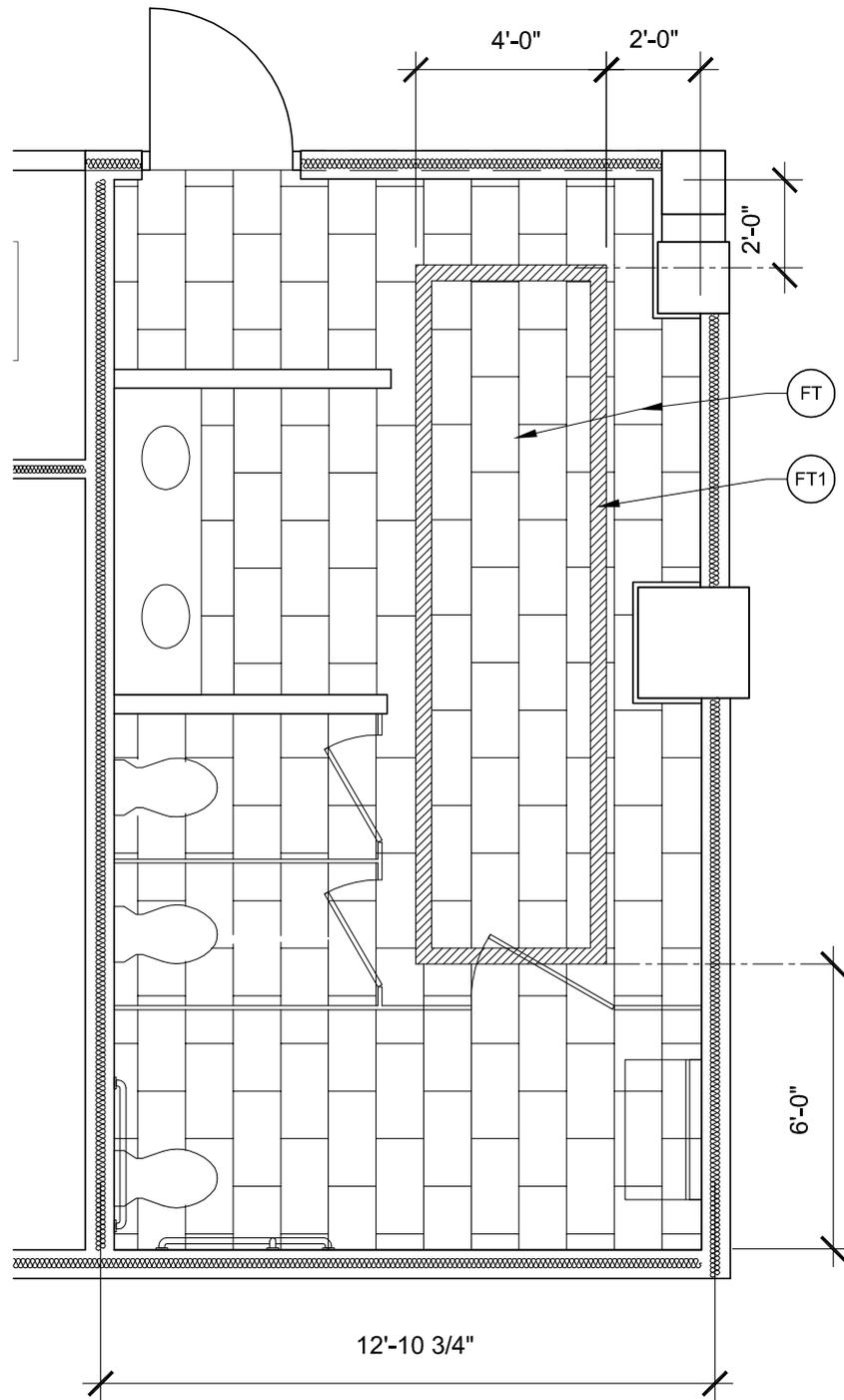
(Name) _____

(Address) _____

Idaho Public Works Contractors License No. _____

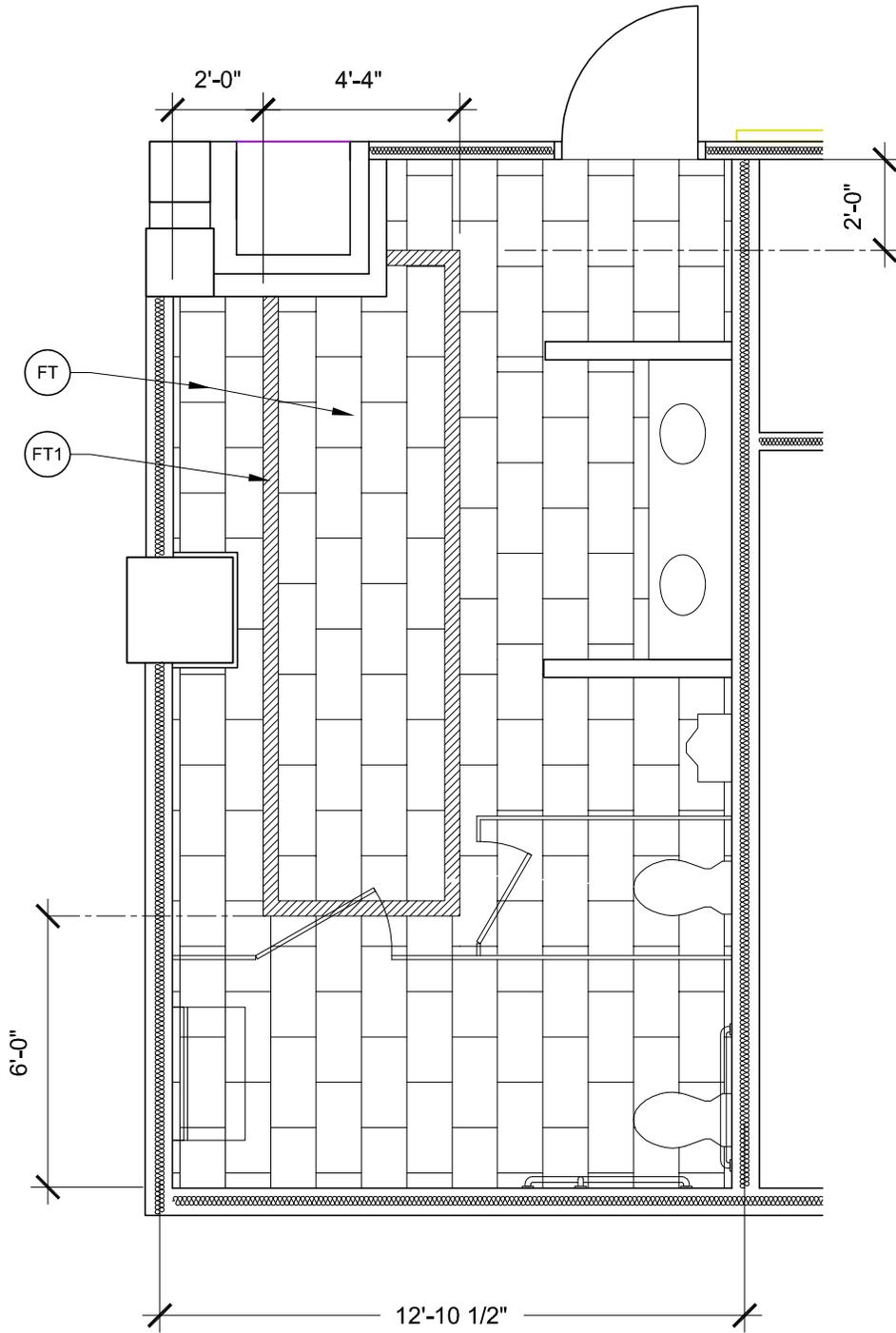
Idaho Electrical Contractors License No. _____

Fire Sprinkler (PWCL Category 13930)



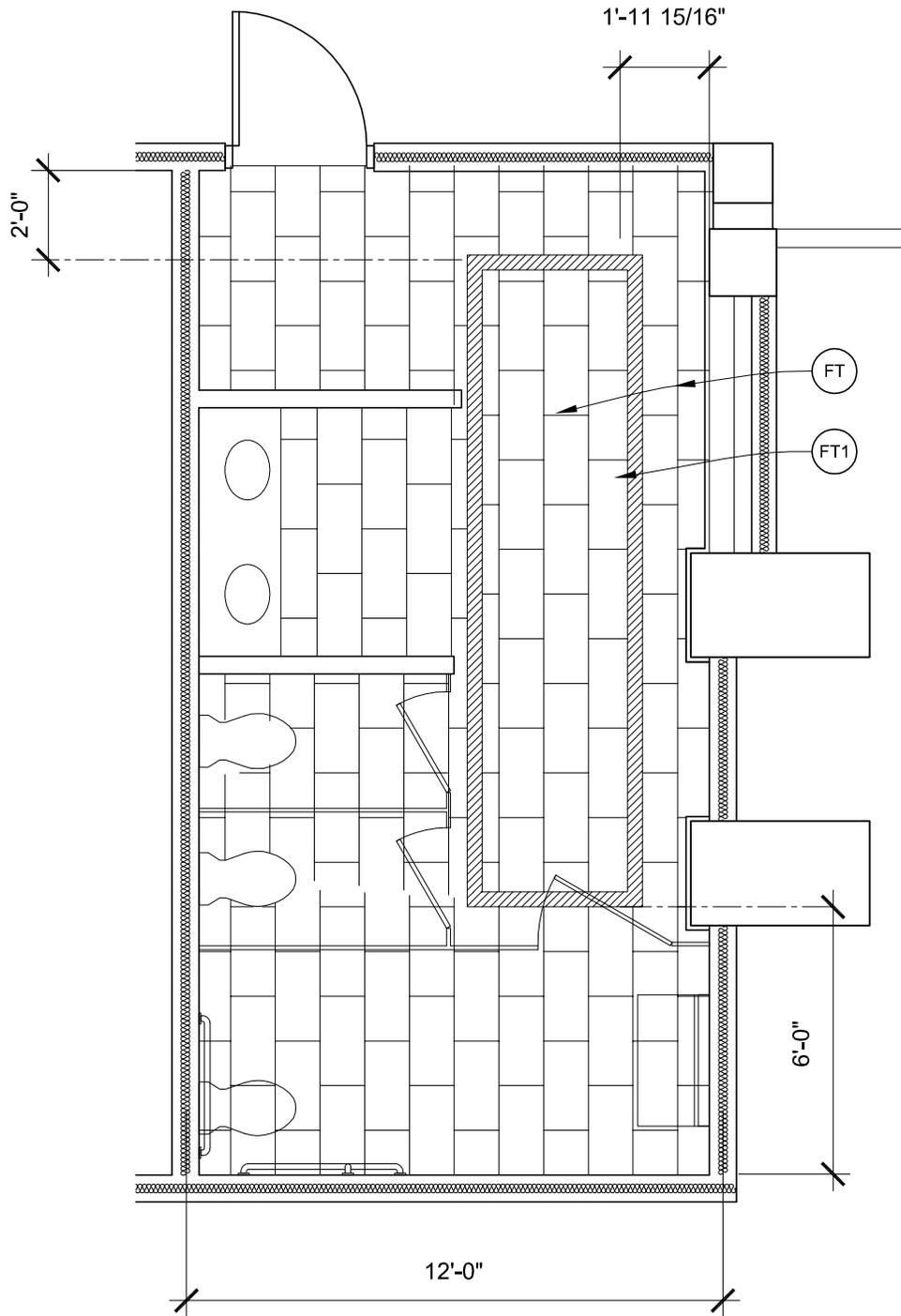
ADD-2-1 Womens 103, 203 Flooring Plan
 Scale: 1/4" = 1'-0"

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO. ADD-2-1
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		
	CHECKED	KK	DATE 3/11/14	
		SCALE: 1/4" = 1'-0"	REF. SHEET A9.2	



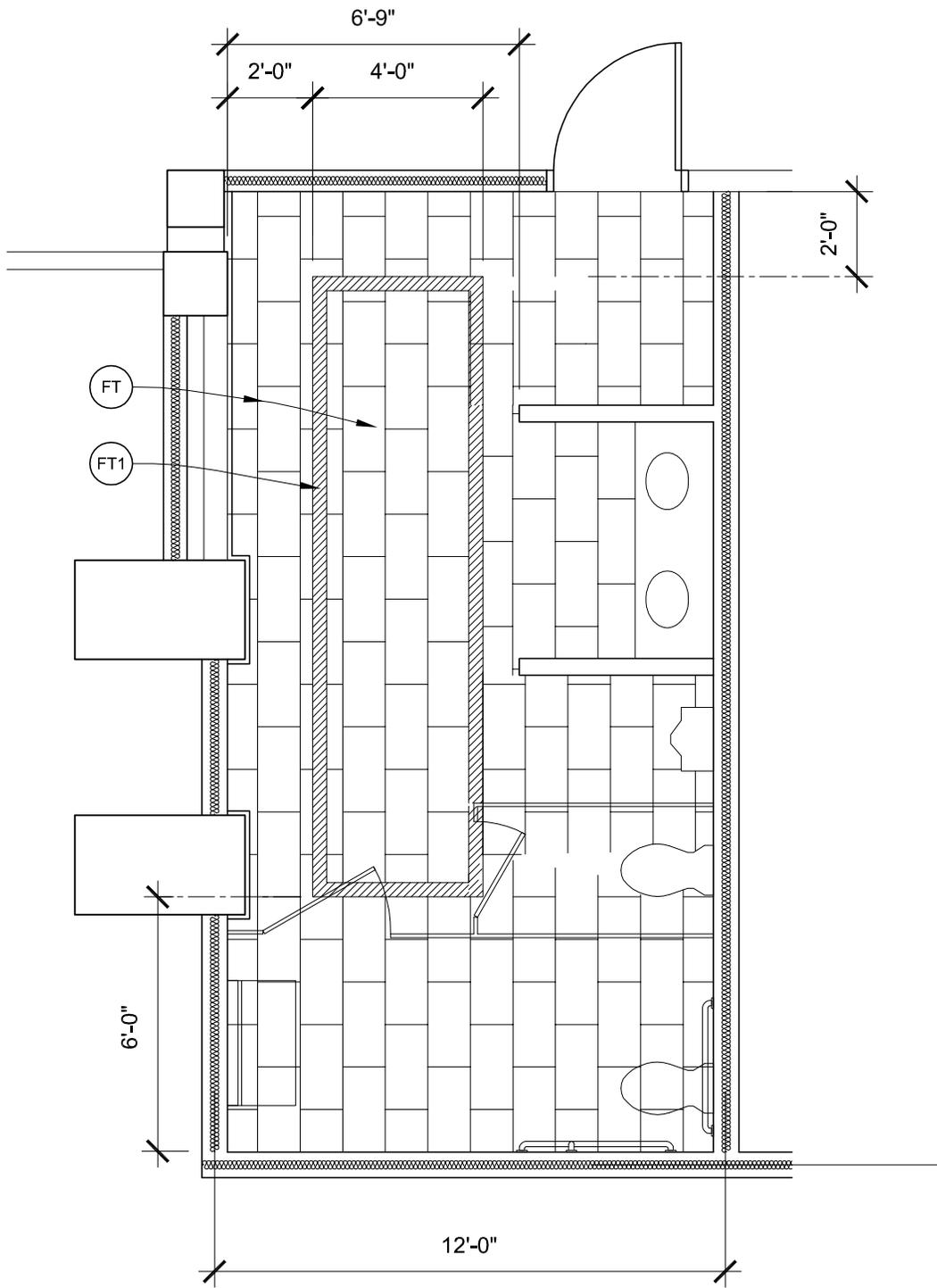
ADD-2-2 Mens 108, 208 Flooring Plan
 Scale: 1/4" = 1'-0"

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO. ADD-2-2
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		
	CHECKED	KK	DATE 3/11/14	
		SCALE: 1/4" = 1'-0"	REF. SHEET A9.2	



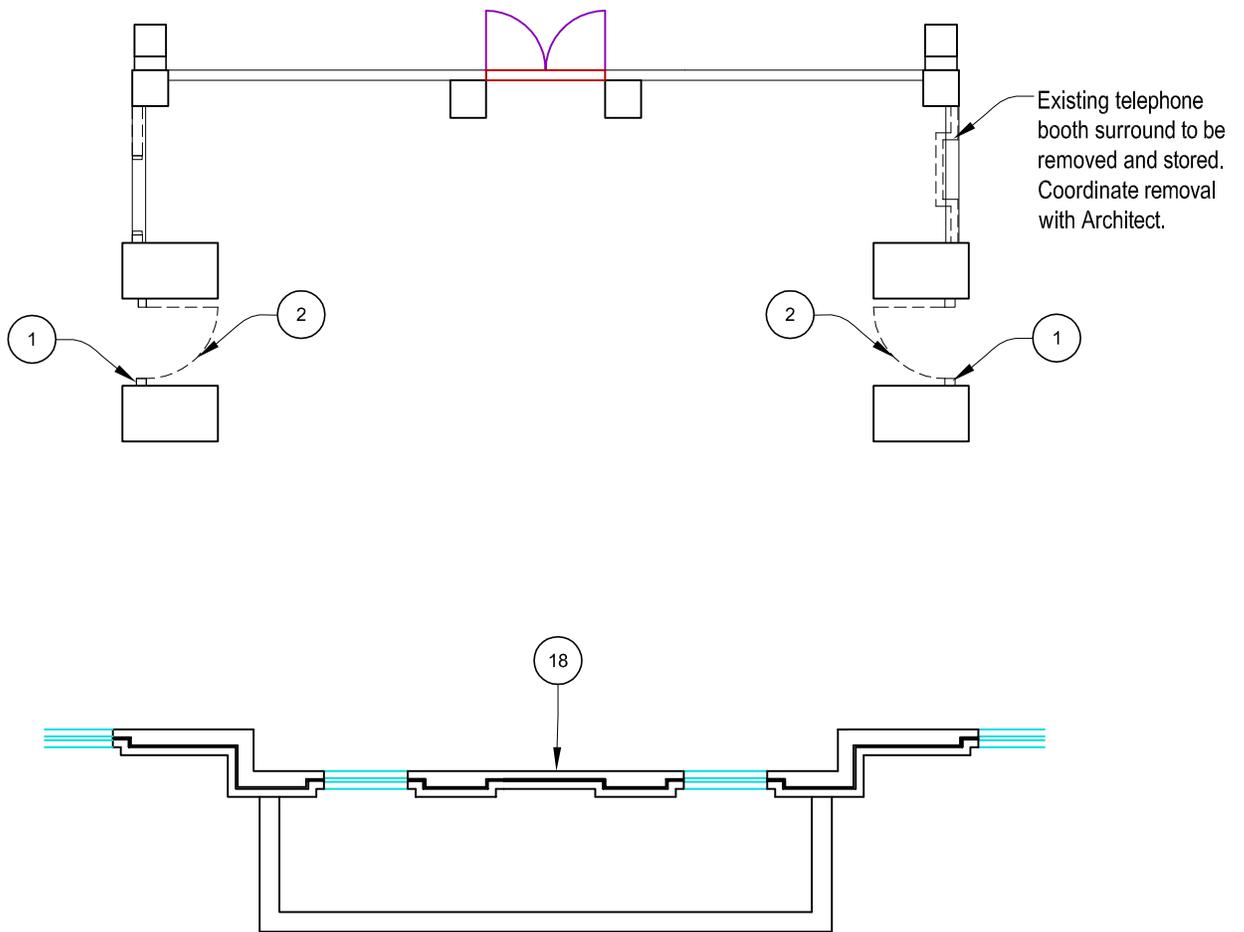
ADD-2-3 Women's 300 Flooring Plan
 Scale: $\frac{1}{4}" = 1'-0"$

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO. ADD-2-3
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		
	CHECKED	KK	DATE 3/11/14	
	SCALE: 1/4" = 1'-0"	REF. SHEET A9.2		



ADD-2-4 Men's 302 Flooring Plan
 Scale: $\frac{1}{4}'' = 1'-0''$

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO. ADD-2-4
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		
	CHECKED	KK	DATE 3/11/14	
		SCALE: 1/4" = 1'-0"	REF. SHEET A9.2	

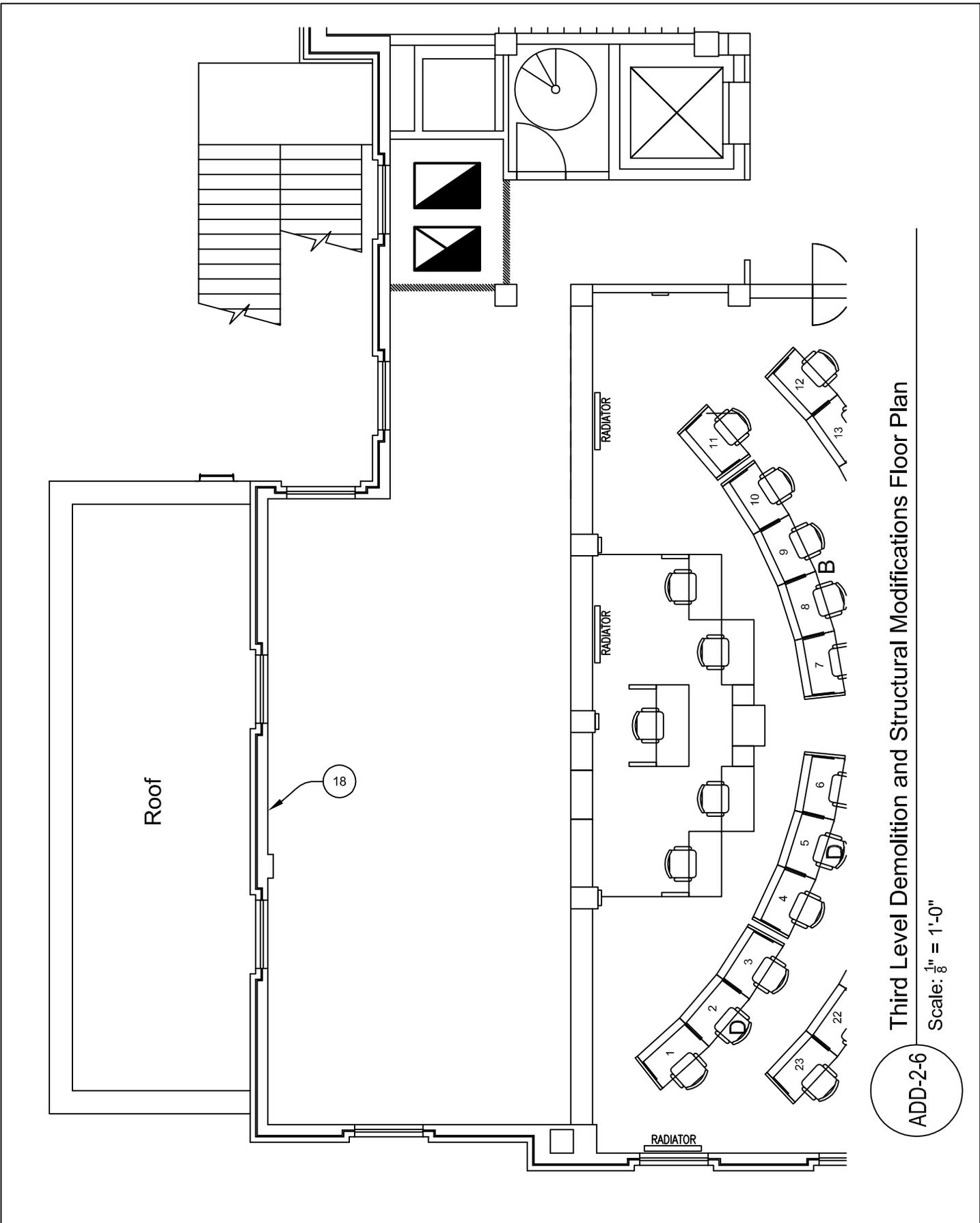


ADD-2-5

Third Level Demolition and Structural Modifications Floor Plan

Scale: 1/8" = 1'-0"

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO. ADD-2-5
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		
	CHECKED	KK	DATE 3/11/14	
		SCALE: 1/8" = 1'-0"	REF. SHEET A2.3	

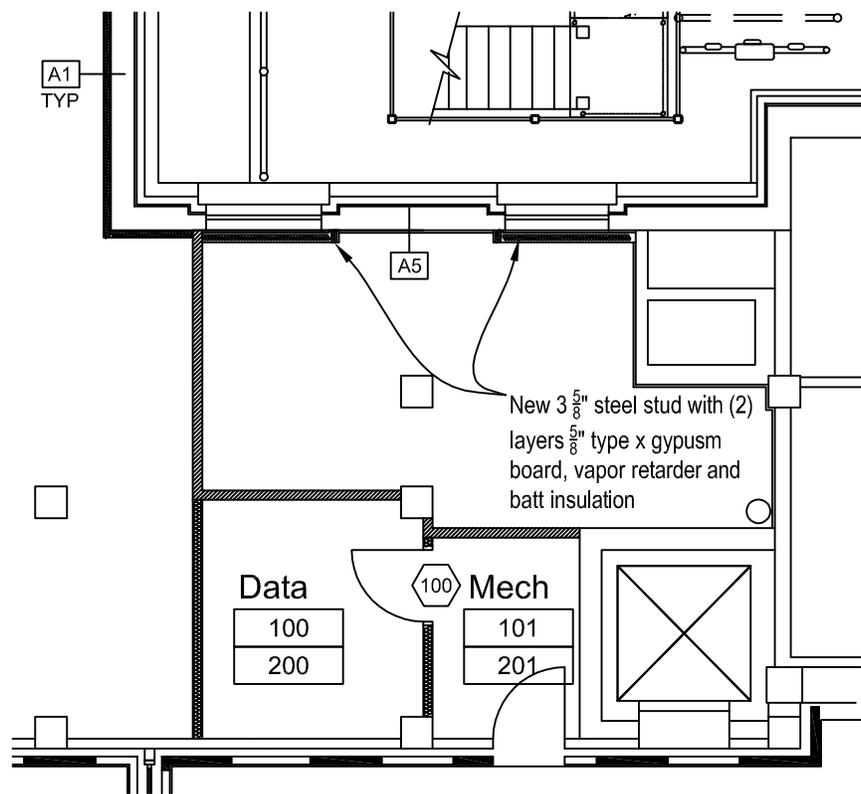


Third Level Demolition and Structural Modifications Floor Plan

Scale: 1/8" = 1'-0"

ADD-2-6

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO.
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		ADD-2-6
		CHECKED	DATE	
		KK	3/11/14	
	SCALE:	REF. SHEET		
		1/8" = 1'-0"	A2.3	

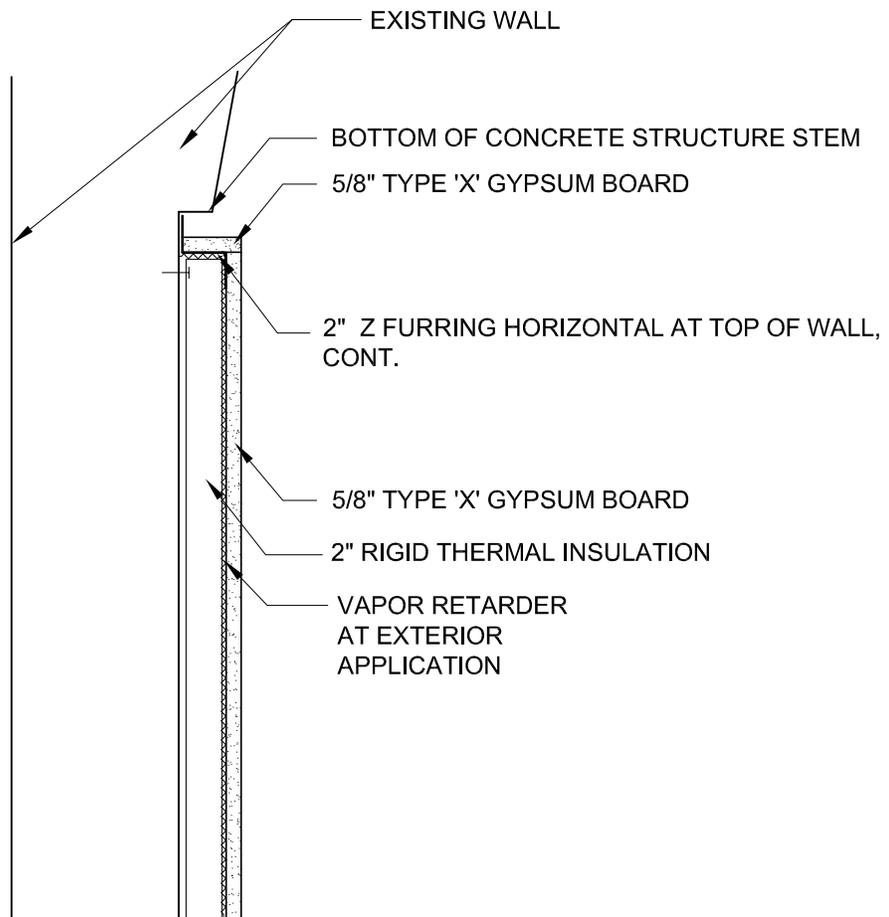


ADD-2-7

First and Second Level Floor Plans

Scale: 1/8" = 1'-0"

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO. ADD-2-7
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		
	CHECKED	KK	DATE 3/11/14	
		SCALE: 1/8" = 1'-0"	REF. SHEET A3.1,A3.2	



ADD-2-8

Exterior Wall Furring Top Track

Scale: 1 1/2" = 1'-0"

	PROJECT NAME	DRAWN	ARCH. PROJECT #	SHEET NO. ADD-2-8
	14006 - RENOVATE INFRASTRUCTURE CAPITAL ANNEX BLDG. PHASE 4	BT		
	CHECKED	KK	DATE 3/11/14	
	SCALE: 1 1/2" = 1'-0"	REF. SHEET A8.1		

SECTION 083113 - ACCESS DOORS AND FRAMES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and provisions of Fixed Price Construction Contract and Division-01 Specification Sections apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Access doors and frames for ceilings.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, materials, individual components and profiles, and finishes.
- B. Shop Drawings:
 - 1. Include plans, elevations, sections, details, and attachments to other work.
 - 2. Detail fabrication and installation of access doors and frames for each type of substrate.
- C. Product Schedule: Provide complete access door and frame schedule, including types, locations, sizes, latching or locking provisions, and other data pertinent to installation.

PART 2 - PRODUCTS

2.1 ACCESS DOORS AND FRAMES FOR CEILINGS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Milcor Inc.
 - 2. Nystrom, Inc.
 - 3. Williams Bros. Corporation of America (The).
- B. Products by other manufacturers are subject to approval prior to bidding.
- C. Source Limitations: Obtain each type of access door and frame from single source from single manufacturer.

D. Recessed Access Doors with Concealed Flanges.

1. For use at all ceiling access doors.
2. Assembly Description: Access door with door face recessed to receive ceiling finish.
3. Door Size: As indicated.
4. Metallic-Coated Steel Sheet for Door: Manufacturer's standard.
 - a. Finish: Factory Prime.
5. Frame Material: Same material, thickness, and finish as door without exposed horizontal flanges.
6. Hinges: Manufacturer's standard.
7. Hardware: Cylinder Lock.

2.2 FABRICATION

- A. General: Provide access door and frame assemblies manufactured as integral units ready for installation.
- B. Recessed Access Doors: Form face of panel to provide recess for application of applied finish. Reinforce panel as required to prevent buckling.
- C. Latching Mechanisms: Furnish number required to hold doors in flush, smooth plane when closed.

2.3 FINISHES

- A. Steel and Metallic-Coated-Steel Finishes:
 1. Factory Prime: Apply manufacturer's standard, fast-curing, lead- and chromate-free, universal primer immediately after surface preparation and pretreatment.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing access doors and frames.
- B. Install doors flush with adjacent finish surfaces or recessed to receive finish material.

3.3 ADJUSTING

- A. Adjust doors and hardware, after installation, for proper operation.
- B. Remove and replace doors and frames that are warped, bowed, or otherwise damaged.

END OF SECTION 083113

SECTION 312300 - EARTHWORK

PART 1 - GENERAL

1.1. RELATED DOCUMENTS

- A. Drawings and provisions of Fixed Price Construction Contract and Division-01 Specification Sections apply to this Section.

1.2. SUMMARY

- A. This Section includes excavation, backfill and fill for the following:
 - 1. Removal and stockpiling and/or off-site disposal of existing excavated on-site soils materials.
 - 2. Excavation for helical pier installation and subsequent backfilling.
 - 3. Structural fill under slabs.
 - 4. Drainage fill course for support of building slabs.

1.3. DEFINITIONS

- A. Excavation consists of removal of material encountered to subgrade elevations indicated and subsequent disposal or stockpiling of materials removed.
- B. Unauthorized excavation consists of removal of materials beyond indicated subgrade elevations or dimensions without specific direction of the Architect. Unauthorized excavation, as well as remedial work directed by the Engineer shall be at Contractor's expense.

1.4. QUALITY ASSURANCE

- A. Codes and Standards: Perform excavation work in compliance with applicable requirements of authorities having jurisdiction.
- B. Testing and Inspection Service: The Owner will employ and pay for a qualified independent geotechnical testing laboratory, hereinafter referred to as the Testing Agency, to perform soil compaction testing and inspection service during earthwork operations.
 - 1. The Contractor shall notify the Testing Agency at least 24 hours in advance of each required test. Every soils lift will be tested (at the Owner's discretion). Do not proceed with additional fill work until compaction tests have been completed on the previous lift and accepted.

1.5. PROJECT CONDITIONS

- A. Protection of Persons and Property: Barricade open excavations occurring as part of this work and post with warning lights.

- B. Cemented Soils: Excavation of any existing cemented soils encountered shall be considered as normal excavation. Such soils shall be excavated as required at no additional cost to the Owner.

PART 2 - PRODUCTS

2.1. SOIL MATERIALS

- A. Imported Structural Fill: Imported Structural Fill shall be used for fill under building floor slabs.
 - 1. Imported structural fill shall be well-graded pit run sand / gravel mixture with 4" maximum aggregate size, with not more than 50% of aggregate greater than ¾" and with not more than 12% of the material passing a No. 200 sieve. Material shall be free from debris, organic material, silts, and clays. All oversize aggregate shall be removed. Fines shall be non-plastic.
 - 2. Imported structural fill source and material shall be approved by the Testing Agency prior to delivery of any such material to project site.
- B. Drainage Fill for Slabs: Well graded mixture sand/gravel mixture with 100 percent of the material passing a ¾ inch sieve and with not more than 7 percent of the material passing a No. 200 sieve. Fines shall be non-plastic.

PART 3 - EXECUTION

3.1. EXCAVATION, GENERAL

- A. Unclassified Excavation: Excavation is unclassified and includes excavation to required subgrade elevations regardless of the character of materials and obstructions encountered.
- B. Comply with local codes, ordinances, and requirements of all authorities having jurisdiction over the Work. Maintain stable excavations, properly shored, barricaded, and lighted.
- C. Excavate to indicated elevations and dimensions indicated . Do not disturb bottom of excavations. Trim bottoms to required lines and grades to leave solid base to receive other work.
 - 1. Areas excavated deeper than elevations indicated shall be filled with compacted Imported Structural Fill.

3.2. STABILITY OF EXCAVATIONS

- A. General: Comply with local codes, ordinances, and requirements of agencies having jurisdiction.
- B. Slope sides of excavations to comply with local codes, ordinances, and requirements of agencies having jurisdiction. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated. Maintain sides and slopes of excavations in safe condition until completion of backfilling.

- C. Shoring and Bracing: Provide materials for shoring and bracing, such as sheet piling, uprights, stringers, and cross braces, in good serviceable condition. Maintain shoring and bracing in excavations regardless of time period excavations will be open. Extend shoring and bracing as excavation progresses.

3.3. APPROVAL OF SUBGRADE

- A. Notify the Testing Agency and the Engineer when excavations have reached required subgrade.
- B. When Engineer determines that unforeseen unsatisfactory soil is present, continue excavation and replace with compacted backfill or fill material as directed.
 - 1. Unforeseen additional excavation and replacement material will be paid according to the Contract provisions for changes in the Work.

3.4. DEWATERING

- A. Prevent rain, snow, surface water, construction water, and subsurface or groundwater from flowing into excavations.
 - 1. Do not allow water from any source to accumulate in excavations.

3.5. DISPOSAL OF EXCAVATED MATERIALS

- A. Dispose of all excavated soil material. Dispose of such material off of the Owner's property.

3.6. BACKFILL AND FILL

- A. General: Place soil material in layers to required subgrade elevations, for each area classification listed below, using materials specified in Part 2 of this Section.
 - 1. Under building slabs use Imported Structural Fill with Drainage Fill course immediately under slabs. Do not use existing on-site subsoil materials under building slabs or under or around structures or foundations.
 - 2. Contractor shall not "waste" materials into areas to receive backfill or fill, nor shall Contractor use fill materials of a given type in an area intended to receive fill materials of another type. (Example: Do not use drain rock in general fill areas). Contractor shall not dump excess concrete materials in an area to receive backfill or fill.
 - 3. Do not mix existing on-site subsoil materials with Imported Structural Fill.
- B. Backfill excavations as promptly as work permits, but not until completion of the following:
 - 1. Acceptance of construction below finish grade.
 - 2. Do not backfill until inspections have been made and backfilling is authorized by the Engineer. Use care in backfilling to avoid damage or displacement of existing foundation.

3.7. PLACEMENT AND COMPACTION

- A. Place fill materials in layers not more than 6 inches in loose depth for material compacted by compaction equipment.
- B. Before compaction, moisten or aerate each layer as necessary to provide optimum moisture content. Compact each layer to required percentage of maximum dry density or relative dry density for each area classification. Do not place backfill or fill material on surfaces that are muddy, frozen, or contain frost or ice.
- C. Place backfill and fill materials evenly adjacent to structures to required elevations. Prevent wedging action of backfill against structures or displacement of existing foundations and/or columns.
- D. Compact fill materials to not less than the following:
 - 1. Compact exposed surface (native material) of excavated areas under slabs to not less than 95% of maximum density per ASTM D-1557. Testing of excavated areas shall only be required as determined necessary and directed by geotechnical engineer.
 - 2. Compact each layer of Imported Structural Fill material at building to not less than 95% of maximum density per ASTM D-1557.
 - 3. Compact each layer of Drainage Fill Course within building to not less than 95% of maximum density per ASTM D-1557.
- E. Moisture Control: Where subgrade or layer of soil material must be moisture conditioned before compaction, uniformly apply water to surface of subgrade or layer of soil material. Apply water in minimum quantity as necessary to prevent free water from appearing on surface during or subsequent to compaction operations.
 - 1. Remove and replace, or scarify and air dry, soil material that is too wet to permit compaction to specified density.
 - 2. Stockpile or spread soil material that has been removed because it is too wet to permit compaction. Assist drying by discing, harrowing, or pulverizing until moisture content is reduced to a satisfactory value.

3.8. FIELD QUALITY CONTROL

- A. Quality Control Testing During Construction: The Testing Agency service shall inspect and approve excavations and each and every subgrade and fill layer before further backfill or construction work is performed. Costs for such testing will be paid directly to the Testing Agency by the Owner.

3.9. DISPOSAL OF WASTE MATERIALS

- A. Removal from Owner's Property: Remove excavated material, trash, and debris, and dispose of it off Owner's property at the Contractor's expense.

3.1 EARTHWORK REQUIREMENTS SCHEDULE

A. Excavation and fill for specific areas of the Work shall conform to the requirements of the following schedule:

<u>Area</u>	<u>Work Required</u>
1. Under all interior concrete slabs.	a. Remove existing soils materials as required to allow for new construction, and to accommodate fill materials as per Items "c" and "d" below.
	b. Compact exposed surface of excavated areas.
	c. Provide compacted Imported Structural Fill to required subgrade elevations.
	d. Provide compacted Drainage Fill Course to final sub-slab elevation, compacted 6" thickness.

B. All compaction of existing exposed surfaces and layers of fill and / or backfill shall be in accordance with Paragraph 3.7. above.

END OF SECTION 312300



**MUSGROVE
ENGINEERING, P.A.**

David O. Musgrove, P.E. - Principal
Charles E. Paulin, P.E. - Principal
Bill A. Carter, P.E. - Principal
Todd Nelson, P.E. - Principal

Pre-Bid Meeting

Project: DPW #14006
Renovate Infrastructure
Capitol Annex Building Phase 4
Department of Administration
Boise, Idaho

Meeting: Meeting Date: February 27, 2014

Copy To: Terry Phillips, Elaine Hill, Ric Johnson, Plan Holders of Record.

Note: This is a record of the above meeting. Please inform us immediately of any omissions or discrepancies.

1. Introduction of project personnel:
 - a. DPW Field Representative: Terry Phillips
 - b. DPW Project Manager: Elaine Hill
 - c. DOA Project Manager: Ric Johnson
 - d. DOA Building Representative: Rob Cole
 - e. Project Engineer for Musgrove: Bill Carter
2. Attendance Sign-Up Sheet is on file at the Engineer's office and attached to these minutes.
3. Project will be bid as a single project
 - a. Refer to Bid Proposal Form
 - b. Read instructions carefully and fill out all forms completely.
DO NOT LEAVE ANY BLANKS ON THE BID FORM
 - c. Bid Opening will be:
March 18, 2014 at 2:00 PM
DPW Office located at 502 N 4th Street, Boise, Idaho
4. Project Contract time: 180 Calendar days after notice to proceed.
5. Administrative Requirements
 - a. Public Works Contractor's License is required and the number must be indicated on the Bid Proposal. Also required for major subcontractors - see the Bid Proposal.
 - b. Acknowledgment of all Addenda is required.
 - c. Fill out price completely in both words and numbers.
 - d. Include Bid Bond (5% of total bid amount including add alternates)
 - e. Sealed envelope addressed properly on the front
 - f. Contractor's Affidavit Concerning Alcohol and Drug Free Workplace must be included with the Bid.
 - g. Bidder's Acknowledgement Statement must be included with the Bid.
 - h. Reference specifications for complete requirements.



234 S. Whisperwood Way
Boise, ID 83709
Ph: 208-384-0585
Fax: 208-384-0765
www.musgrovepa.com

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6. Administrative requirements, staging, parking, access, protection etc.
 - a. Refer to Specs and Plans for work areas – No Parking Lot!
 - b. Protection of existing finishes
 - c. Secure building
 - d. Safety
 - e. Keep a clean work site
 - f. Owner Salvage will be marked
7. Addenda will be published no later than four days prior to bid date and will be distributed to all plan holders of record. Addenda published and distributed later than 4 days prior to the bid date shall provide a revised bid date and time.
8. Post Bid submittals (required from successful bidder within 10 days after awarding of the Contract)
 - a. Schedule of Values
 - b. Contractor's Construction Schedule
10. Bid Documents are available for a refundable deposit of \$100.00 (See Advertisement for Bids) at:
 - a. Musgrove Engineering
234 S. Whisperwood Way
Boise, Idaho 83709
Phone: 208-384-0585, Fax: 208-384-0765
 - b. Plans are also available at other locations – See add for bid for locations.
11. Project Description and Overview:
 - a. See Section 01010.
 - b. The work shall consist of:

BASE BID SCOPE OF WORK:

New restrooms will be installed on floors 1-3 as well as new IT rooms on floors 1-4. Holes in floors 1-4 will be patched and repaired and exterior walls will be furred out with framing and insulation. All windows on floors 1-4 shall be replaced.

Main supply and return ducts (for bid alternate #2 air handlers) will be dropped down through chases to serve floors 1-4 of northeast wing. Ductwork and hot water piping will be extended out onto floors for future tenant improvements. Chilled and hot water piping will be extended to new HVAC units on roof. New HVAC systems will be provided in new IT rooms.

New plumbing fixtures to be installed in restrooms and potable water lines will be routed up in chases to serve floors 1-3. Lights in new restrooms and IT rooms will be installed.

Extend building fire protection system main service line into building. Repair landscaping and concrete related to installation of fire main. Fire riser shall be installed and fire sprinkler lines will be extended out onto floors.

Electrical floor panels and wall systems will also be installed and the mechanical systems will be powered up.



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ALTERNATE NO. 1: Work shall include the installation of new elevator and controls on west side of building.

ALTERNATE NO. 2: Provide and install the two new rooftop air handlers on 5th floor roof to serve floors 1 – 4 in northeast portion of building.

12. Questions and/or comments

13. Site Tour

END OF MEETING NOTES



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PRE-BID SIGN-IN SHEET

Date, Time & Location: 2/27/2014, 2:00 p.m., Capitol Annex

DPW Project No.: #14006

Project Name: Renovate Infrastructure - Capitol Annex Bldg. - Phase 4

Agency: DPW

City, State: Boise, Idaho

Monthly Meeting

NAME	COMPANY / AGENCY	PHONE	EMAIL ADDRESS
Bill Carter	Musgrove Engineering	384-0585	billc@musgrovepa.com
JOSH LEWIS	DPW	332-1908	joshua.lewis@adm.idaho.gov
Anthony Guho	Guho Corp	850-2055	anthony@guhocorp.com
NICK GUHO	GUHO CORP	939-8850	nick@guhocorp.com
TERRY Phillips	DPW	921-6315	Terry.Phillips@ADM.IDAHO.GOV
Val Hill	Mountain West Mech.	631-2160	valrhill@gmail.com
Iony Fogg	Blue Repair Heatly & Air	870-3851	bluerrepairllc@gmail.com
Bob Woodman	The Ewing Co	377-1500	bob.woodman@ewing.com
Ryan STEINWAND	CASCADE ENTERPRISES	343-4009	ryan@cascade-enterprises.com
Poy Lechner	ANDERSEN		plechner@andersen.com
BRANDON SPRY	NORTHCON, INC.	208-772-1003	BRANDON@NORTHCONINC.COM
Rick HAZZARD	YMC	899-1727	RHAZZARD@YMCINC.COM
Earl Gafford	Gafford Construction	322-4773	earl@gaffordconstruction.com
Barry Hayes	Barry Hayes Construction	208-528-0960	bhelle@westoffice.net
Destry Royce	RTV Finishes	590 3799	rvfinishes@gmail.com
Jim JEWELL	C-2 Construction	590 2498	jimmtnhome@msu.com
Jelly Kessler	Dave Allen Const	466-0254	sdlaconstruction@aol.com
Rick Simons	C2 Construction	599-2524	rick.simons@c2construction.net
RON FLOWES	MASTER ELECTRIC	587-7178	RON@MASTERELECTRIC.BIZ
Scott Larrondo	Scott Hedrick Construction	345-5800	mike@scotthedrick.com
Davis Mahony	Kreizenbeck Const.	336 9500	dvmahony@kreizenbeck.com
Ryan Kwon	ThyssenKrupp Elevator	994-1190	ryan.kwon@thyssenkrupp.com
Chris Jones	Jones Drilling	385-0151	Chrisjones@JPJ.com
RANDY BOWREN	Stilo Sprinkler	466-0006	rbowren@stilosprinkler.com

PROJECT: Renovate Infrastr. Capitol Annex - Ph. 4

DPW #14006

Deposit: \$100.00

ME Job No.: 13-007

Bid Date: 3/18/14 @ 2:00 p.m.

Pre-Bid Conference 2/27/14 @ 2:00 p.m.

BID SET NO.	COMPANY	PHONE #	FAX #	email address	DATE SET & CHECK RETURNED
1	AGC - Boise	344-2531	343-5321	kwade@idahoagc.org	
3	DPW - Elaine Hill	332-1925	334-4031	elaine.hill@adm.idaho.gov	
4	Blueprint Specialties	377-0294		shawn@bpsboise.com	
5	Spokane Reg. Plan Center	509-328-9600		projectinfo@plancenter.net	
6	Lacy Mechanical	377-3237		robert@lacyinc.com	brent@lacyinc.com
7	Reed Construction Data	630-288-7971		jason.gause@reedbusiness.com	
8	Builders Exchange of WA	425-258-1303		tina@bxwa.com	
9	Scott Hedrick Const.	345-5800		scott@scotthedrick.com	3/6/2014
10	DPW - Terry Phillips	332-1910		terry.phillips@adm.idaho.gov	
11	Dept. of Admin. - Ric Johnson	332-1937		ric.johnston@adm.idaho.gov	
12	Dept. of Admin. - April Rice			april.rice@adm.idaho.gov	
13	Doherty Electric	343-4787		mike@dohertyelectric.com	
14	C-2 Construction	587-3423		rick.simono@c2construction.net	jimmtnhome@msn.com
15	Barry Hayes Const.	208-528-0960		bhclloffice@qwestoffice.net	
16	Gafford Const.	322-4773		shaun@gaffordconstruction.com	
17	Perkins Const.	367-1630		maureen@perkinsconstructioninc.com	3/7/2014
18	Ewing Company			bob.woodward@ewingcompany.com	
19	Guho	939-8850		nick@guhocorp.com	

PROJECT: Renovate Infrastr. Capitol Annex - Ph. 4

DPW #14006

Deposit: \$100.00

ME Job No.: 13-007

Bid Date: 3/18/14 @ 2:00 p.m.

Pre-Bid Conference 2/27/14 @ 2:00 p.m.

20	Wright Bros.	393-0377		bellway@wbtbc.com	
21	Fred's HVAC & Electric	713-9085		n8757@yahoo.com	
22	Commercial Remodel	859-8204		comremodel@cableone.net	
23	Kreizenbeck LLC	336-9500		dmaloney@kreizenbeck.com	
24	High Country Electric	208-866-4539		karl@hcelect.com	
25	Hobson Fabrication	343-5423		tedjr@hobsonfab.com	
26	Dave Allen Const.	466-0254		sdaconstruction@aol.com	
27	LKV Architects	336-3443		kent@lkvarchitects.com	
28	New Space Construction	898-0154		dirknsci@msn.com	
29	Rocky Mtn. Remodeling	939-4314		duckme@mindspring.com	
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