

AMENDMENT NUMBER 2 TO THE BID DOCUMENTSAmendment Issued Date: **November 24, 2021**

A. This Amendment shall be considered part of the bid documents for the above-mentioned project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original bid documents, this Amendment shall govern and take precedence. **BIDDERS MUST SIGN THE AMENDMENT AND SUBMIT IT WITH THEIR BIDS.**

B. Bidders are hereby notified that they shall make any necessary adjustments in their estimates as a result of this Amendment. It will be construed that each bidder's proposal is submitted with full knowledge of all modifications and supplemental data specified herein.

Except as described below, the original bid document remains unchanged. The bid documents are modified and/or clarified, as follows:

Section 1: Bidder Questions

Section 2: Clarification and Modifications

SECTION 1: BIDDER QUESTIONS

1. Q: Door D104 does not appear to have required ADA clearance shown on Sheet A110 Detail 8 for a side approach door. Please confirm contractor is not responsible for door not having required ADA clearances.
A: Contractor is not responsible. Architect to confirm existing building code requirements with JHA.
2. Q: I did not see any specifications for concrete. Can you provide concrete, reinforcement, etc. specifications for concrete to be used on this project?
A: 3,000 PSI with 5" maximum slump.
3. Q: Can we get a door hardware schedule and spec (manufacturer/style/color)?
A: Door hardware to match existing. Existing levers appear to be Schlage Merano series.
4. Q: As part of the Second floor Add Alternate, are we to install gypsum board both side and top over the existing half wall plywood and framing at stairs?
A: The plywood currently covering the existing railings is to be removed. A New 2x4 half wall with 5/8" gwb each side and wood cap to be provided as part of add alt. 1. Additionally, there is currently no stair handrails. Two new handrails at the staircase to be installed as part of add alt. 1.
5. Q: Can we get specifications (manufacturer/style/color) for LVT-1 and LVT-2?
A: LVT-1 (now ELVT-1) is the existing flooring. Remnants found in the attic appear to show manufacturer. Shaw, Solitude, style 0648V, color appears to be Mink. Contractor to confirm. The intent for LVT-2 is to match the existing LVT if matching flooring can be found.

6. Q: Is new carpet being installed on all stairs and landing as part of base bid or Add Alternate 1? Where is the stopping point between base bid and Add Alternate 1 for new carpet at stairs?
A: The new carpet is to be installed on the stair starting at the interior landing of the stairwell and staircase, including upper floor as a part of Add Alt. 1. The attached is a cut sheet for a revised carpet type. Also attached is a stair nosing.
7. Q: Can you provide details showing the total number / sizes of treads and risers to be carpeted?
A: There are 17 risers, 15 treads, 1 landing at the base, 1 landing in the middle, and a landing at the top of the stair (second floor).
8. Q: Is there a requirement to provide visual strips at any of the stairs?
A: Please see attached stair nosing sheet.
9. Q: Can we get specifications (manufacturer/style/color) for P-lam wainscot?
A: New Countertops to be Casual Linen, 4944 by Wilsonart. New Casework to be 5th Ave. Elm, 7966 by Wilsonart. Autopsy room to have full height, smooth face FRP at east, south, and west walls by Marlite, light grey.
10. Q: Can we get specifications for restroom and breakroom accessories to be supplied and installed as part of this project?
A: See attached cut sheets for bathroom accessories. Existing break room sink, faucet, and dishwasher to be relocated to new breakroom. Grab bars to be Bobrick or equal.
11. Q: Can we get specifications (manufacturer/style/color) for countertop(s) and back splash(es)?
A: New countertops to be P-Lam, Casual Linen, 4944 by Wilsonart. 4" backsplash to match.
12. Q: Sheet E4.1 does not show a smoke detector in the Laundry/Locker Room. Is one required in this room since it has a gas water heater?
A: Please see attached revised sheet. A smoke detector/sensor to be in room.
13. Q: Does a CO2 sensor need to be installed in the Laundry/Locker Room?
A: Please see attached revised sheet. A smoke detector/sensor to be in room.
14. Q: Are smoke detectors required in the new mechanical units/ductwork?
A: No.
15. Q: Can we be provided the fire alarm strobe candela light output for each room?
A: The fire alarm shop drawings will show this per electrical specs.
16. Q: Sheet E6.0 Mechanical Equipment Connection Schedule shows a 15/1 circuit breaker for CP-1. Sheet E8.0 Panel Schedule A shows a 20/1 circuit breaker for CP-1. Which is correct?

A: Please see revised sheets. 20/1 is correct.

17. Q: Are the outlets, etc. in the existing Break Room, Restrooms, and Office to remain in the new Bathrooms? If not, can the existing electrical outlets, etc. be shown on plans?

A: Yes, see attached electrical plans. Please note that Architect and Owner does not take guarantee that there aren't more outlets or existing fixtures that might be covered by furniture, cabinets, etc. The Owner will provide additional site walks at Contractor's request.

18. Q: Is there any existing electrical that is to be removed as part of Add Alternate 1? If so, can it be shown on the electrical demo plan(s)?

A: There is minor electrical work associated with Alt 1 that includes demo of existing light fixtures, fans, less than 10 outlets.

19. Q: Can all the lights being removed as part of this project be shown on Sheet ED2.1? There are no light showing to be removed in Storage (future Laundry), Break Room, Office, and Restrooms.

A: Yes, please see revised sheet ED2.1.

20. Q: Sheet M5.1, Detail 2 Scenario 1, Should the grille on the right side be RG-2 instead of RG-1 as shown? Other scenarios show this as RG-2.

A: Sheet M5.1, Detail 2 Scenario 1, Grille on the right side should be RG-2 instead of RG-1.

21. Q: Sheet P1.0 shows new sewer point of connection under the wall between the existing Men's Restroom and storage room under the stairs. Are you sure the line is 4" at that location?

A: The underground plumbing was scoped and videoed. It is acceptable to keep the existing 3" line under the stairs and IT/storage room. New waste line serving the toilets / shower area should be reduced to 3". See revised plans.

22. Q: New sewer line is to be installed under existing phone/data rack in storage room under the stairs. Will the County be responsible for removing and reinstalling phone and data equipment, so floor slab can be cut/removed as needed to install new sewer line?

A: See item 21 above. No work under stair with sticking to 3" sewer line.

23. Q: In the existing Restrooms, is it acceptable to plug the existing drain line at floor drain and cap with concrete?

A: Existing floor drain should be removed, and associated waste pipe be capped with a metal cap before pouring concrete.

24. Q: Details A and B on Sheet A109 show headers that measure 6". Is a 2x6 (5-1/2" actual dimension) acceptable at soffit headers(s)?

A: Yes.

SECTION 1: CLARIFICATIONS & MODIFICATIONS

Item 1: Carpet and Stair Nosing:

Since the lower stair landing enclosure (door and walls) are remaining, the landing at the bottom of the stair will be included in Add Alt 1. The landing will be carpeted as well as the stair and upper floor. The attached revised finish plans, and spec sheets are for carpet and nosing.

BIDDER MUST ACKNOWLEDGE THIS AMENDMENT BY SIGNING BELOW
AND ATTACHING THE SIGNED AMENDMENT TO THE BID FORM:

Company Name _____

Contact Person _____

Signature _____

Date _____



Product Specifications

Construction	Textile Composite
Backing	Polyester Felt Cushion
Dye Method	Solution Dyed
Wear Layer	Polyester - Applied Pattern
Pattern Repeat	N/A
Total Weight	4.5 oz - 5.2 oz/ square foot
Dimensions:	24" x 24" modules
Standard Adhesive	Kinetex Adhesive
Optional Adhesive	Kinetex PreFix
Packaging	18 modules per box (72 sq.ft)
Standard Warranties	Kinetex Kinetex Adhesive
Optional Warranties	PreFix

Special Technologies

Kinetex ProTex®	Standard
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Environmental Specifications & Tests

Recyclability:	100% Closed-loop Recyclable
NSF 140:	Platinum Certified
Indoor Air Quality	GLP2690
Total Recycled Content:	45%
Flooring Radiant Panel	Class 1
Smoke Density	Less than 450 flaming (ASTM E 662)
Static Test	Less than 3 kv (AATCC-134)
ADA Compliance	Compliant For Accessible Routes
Pill Test	Yes
Lightfastness	Yes

Installation Methods: Brick, Ashlar, Quarter Turn

Colorways



2276 Fare



2277 Procurement



2278 Supply



2279 Essential



2280 Staple



2282 Stock



2283 Appointment



2284 Fitting

#206 Double Undercut Nosing, 1/4"

Manufacturer

Roppe Corporation
1602 N. Union Street
P.O. Box 1158
Fostoria, Ohio USA 44830-1158
Website - www.roppe.com
t: (419) 435.8546 tf: (800) 537.9527
f: (419) 435.1056
e-mail: sales@roppe.com

Product Description

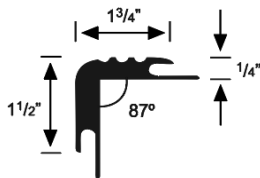
Roppe offers a complete line of finishing accessories that complement our broad product mix, while exceeding design expectations in the profiles and shapes that are important in design today. All accessories meet ADA requirements for changes in level to appearance between different floor materials.

Features

Non-Porous
Economical
Extremely Durable
ADA Compliant

#206 Double Undercut Stair Nosing, 1/4"

For 1/4" and 5/16" carpet
Installation Radius: 11 ft.
5 12-ft sections per tube (60 ft.)



Technical Data

ASTM E84 - Surface Burning: Class A
ASTM E648 (NFPA 253) - Critical Radiant Flux: Class I,
> .045 W/cm²
ASTM E662 (NFPA 258) - Smoke Density: Passes, <450
Acclimation Time: 48 hours
Storage & Acclimation Temperature: 65 ° - 85 ° F

Adhesive* (Visit our website for complete Adhesive instructions)

EN-610 Epoxy Nose Filler

Unit Size: 13.5 oz. Cartridge
VOC: < 12 g/l
1/2" bead coverage rate: 25 lin. ft. per cartridge
1/4" bead coverage rate: 50 lin. ft. per cartridge
Substrate: Porous and Non-Porous

Installation* (Visit our website for complete Installation instructions)

Vinyl Accessories are designed for interior use only with temperatures maintained from 65°F (19°C) and 85°F (30°C). The flooring installer must inspect all material for manufacturing imperfections and irregularities prior to installation. Before installing, confirm accessory placement and the placement of adjoining material per design specifications.

Maintenance* (Visit our website for complete Maintenance instructions)

Ensure that adhesive has cured for the recommended period of time prior to maintenance. Sweep, dust, mop, vacuum or wipe material to remove any dirt, dust or debris. Mix 2-4 ounces of our recommended cleaner per gallon of clean, potable water. Use a clean mop, towel or cloth to apply cleaner to material. If necessary, scrub material while wet using a 22 gauge soft bristled scrubbing brush. Use an auto-scrubber, wet vacuum, clean mop or clean towel to remove any and all excess cleaning solution. Rinse area with clean, cool water and allow material to dry entirely.

Availability, Cost & Samples

Roppe Flooring products are sold through distribution. To locate the nearest distributor, visit www.roppe.com. or send an email to solutions@roppe.com

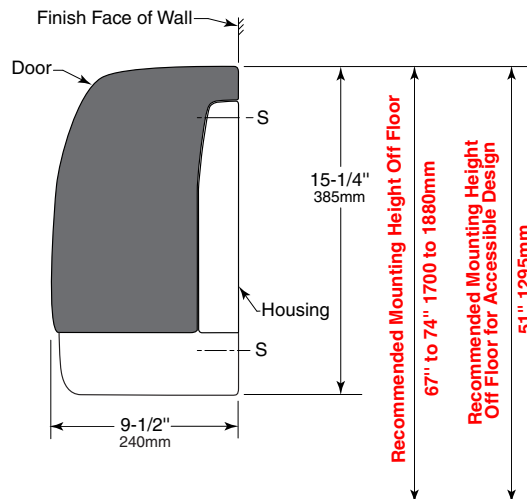
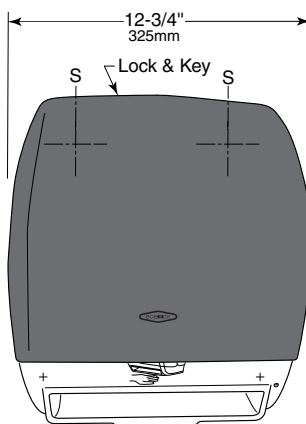
Technical Document Support

Additional product resources and technical documents are available online at www.roppe.com. For additional technical support, send an e-mail to solutions@roppe.com

Warranty

Roppe Provides a 1 year Limited Warranty on all Vinyl Accessories. For additional information, see associated Warranty documents.

***For complete adhesive, installation & maintenance instructions, visit www.roppe.com**

BOBRICK**Technical Data****AUTOMATIC ROLL PAPER TOWEL DISPENSER****B-72974****MATERIALS:**

Door and Housing — Durable, high-impact resin. Door is translucent navy and is secured to beige Housing, Keyed lock at top. Door may be opened with removable key provided.

Roll Paper Towel Mechanism — Accepts universal standard-core, non-perforated rolls 8" (205mm) wide, 8" (205mm) diameter, 800 ft (244 m) long. Dispenses one towel per activation and can be set to dispense paper towels at three different lengths. Accommodates up to 3-1/2" (90mm) diameter stub roll with automatic transfer to full roll.

OPERATION:

Electronic sensor automatically dispenses towel when hands are placed under the towel opening. Dispenses universal, 1-1/2" to 2" (38 to 51mm) diameter core, up to 8" (205mm) diameter, 8" (205mm) wide, non-perforated, non-proprietary rolls. Towel length can be set to 9" (230mm), 12" (305mm), 15" (380mm). Optional "Paper Saver" feature allows a shorter second sheet to dispense immediately after the first sheet. The "Paper Saver" feature has two second sheet length options: 25% shorter sheet length or 12.5% shorter sheet length. Dispense delay can be set to 1, 2 or 3 seconds. There is no delay when "Paper Saver" option is selected. LED light on dispenser blinks when battery needs to be changed. The battery pack holds 4 "D" sized alkaline batteries (not furnished). Dispenser includes a 3-1/2" (90mm) diameter stub roll feature. When the stub roll is depleted, main roll automatically starts dispensing without the need to open the dispenser.

POWER REQUIREMENTS:

Dispenser is powered by 4, "D" size alkaline batteries (not furnished) or an external 6-volt AC to DC switching power supply. Power supply is an optional accessory: order Bobrick Part No. 3974-57. (For non-U.S. compatible plugs, order Part No. 3974-55).

INSTALLATION:

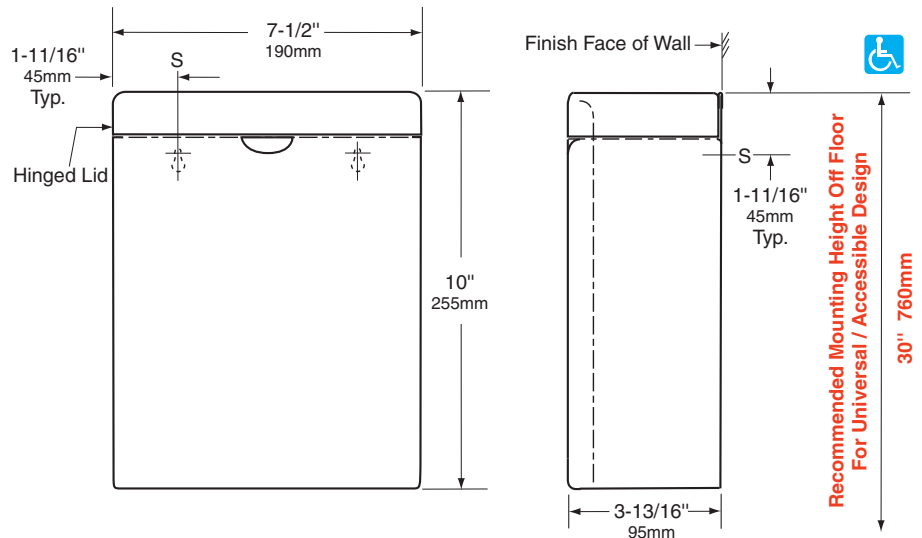
Mount the dispenser with bottom edge of the cabinet approximately 52" (1320mm) above the floor. Use at least two pan-head screws no smaller than #8 x 1.0 inch. The installer must ensure compatible and appropriate mounting hardware is used for the wall surface composition that the dispenser is being mounted upon. The dispenser with batteries weighs 6.3 pounds (2.86 kg).

Electrical supply for use with 6-volt AC to DC power supply must be installed per applicable building codes.

SPECIFICATION:

Surface-Mounted Automatic roll paper towel dispenser shall be durable, high impact plastic material. Door is translucent navy and is secured to beige Housing, Keyed lock at top. Door may be opened with removable key provided. No-touch dispenser dispenses universal, 1-1/2" to 2" (38 to 51mm) diameter core, up to 8" (205mm) diameter, 8" (205mm) wide, non-perforated, non-proprietary rolls, up to 800 ft (244 m) long. Dispenser automatically dispenses towel when hands are placed under the towel opening. Dispenser can be powered by 4 "D" size alkaline batteries or an optional 6-volt AC to DC power supply. Equipped with switches that allow paper length to be set at 9" (230mm), 12" (305mm) or 15" (380mm), delay that can be set at 1, 2 or 3 seconds, and "Paper Saver" feature that provides a shorter second sheet with options of 25% shorter and 12.5% shorter. Blinking LED indicates if batteries need to be replaced. Automatic transfer shall dispense stub roll up to 3-1/2" (90mm) diameter before new roll is dispensed.

Automatic Roll Paper Towel Dispenser shall be Model B-72974 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



MATERIALS:

Container — 18-8, type-304, 22-gauge (0.8mm) stainless steel. All-welded construction. Exposed surfaces have satin finish. Integral finger depression for opening cover. Front of container has same degree of arc as front of cover and other Bobrick ConturaSeries washroom accessories. Radius on side edges of container match corners and edges of cover and other ConturaSeries accessories.

Cover — 18-8, type-304, 22-gauge (0.8mm) stainless steel with satin finish. Drawn, one-piece, seamless construction. Front of cover has same degree of arc as front of container and other Bobrick Contura Series washroom accessories. Radius on corners and edges of cover match side edges of container and other Contura Series accessories. Secured to container with a full-length stainless steel piano-hinge.

OPERATION:

Cover flips up for disposal of sanitary napkins and for servicing container.

INSTALLATION:

For partitions with particle-board or other solid core, secure with two #8 x 3/4" (4.2 x 19mm) sheet-metal screws (not furnished) at all points indicated by an S, or provide through-bolts, nuts, and washers.

For hollow-core metal partitions, provide solid backing into which sheet-metal screws can be secured. If two units are installed back-to-back, then provide threaded sleeves and machine screws for the full thickness of partition.

For masonry walls, provide fiber plugs or expansion shields for use with sheet-metal screws, or provide 3/16" (5mm) toggle bolts or expansion bolts.

For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with sheet-metal screws.

SPECIFICATION:

Surface-mounted sanitary napkin disposal shall be type-304 stainless steel with all-welded construction; exposed surfaces shall have satin finish. Front of sanitary napkin disposal shall have same degree of arc and match other Bobrick ConturaSeries accessories in the washroom. Radius on corners and edges of sanitary napkin disposal shall complement other Bobrick ConturaSeries washroom accessories. Cover shall be drawn, one-piece, seamless construction and secured to container with a full-length stainless steel piano-hinge. Container shall have integral finger depression for opening cover.

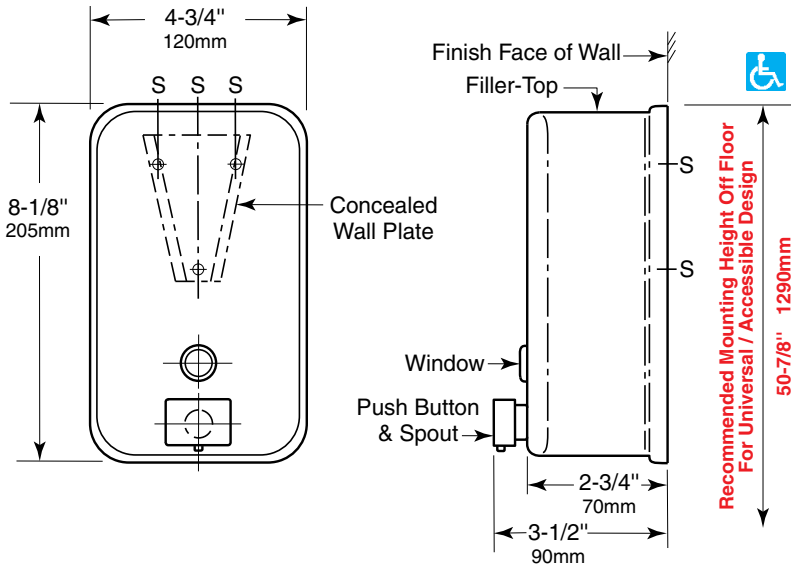
Surface-Mounted Sanitary Napkin Disposal shall be Model B-270 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



Technical Data

ClassicSeries® SURFACE-MOUNTED SOAP DISPENSER

B-2111



MATERIALS:

Container — 18-8, Type-304, 22-gauge (0.8mm) stainless steel with satin-finish. Body is drawn, one-piece, seamless construction. Back plate has mounting bracket attached. Furnished with concealed wall plate. Equipped with a clear acrylic refill-indicator window and a locked, hinged stainless steel lid for top filling. Capacity: 40-fl oz (1.2-L).

Valve — Black molded plastic push button and spout. Soap head-holding mushroom valve. Stainless steel spring. U-packing seal and duckbill. Antibacterial-soap-resistant plastic cylinder.

OPERATION:

Corrosion-resistant valve dispenses commercially marketed all-purpose hand soaps. To prevent corrosion of the tank, use only chloride-free pH-neutral liquid soaps. Valve is operable with one hand, without tight grasping, pinching, or twisting of the wrist, and with less than 5 pounds of force (22.2 N) to comply with accessible design guidelines (including ADAAG in the U.S.A.). Window indicates when refill is required. The locked, hinged lid opens for top filling only with special key provided. Concealed, vandal-resistant mounting.

INSTALLATION:

Secure wall plate to the wall with three sheet-metal screws, furnished by manufacturer, at points indicated by an S. Slide mounting bracket of container down onto wall plate and secure unit with furnished locking-screw. For plaster or dry wall construction, provide concealed backing to comply with local building codes and secure with sheet-metal screws furnished. For other wall surfaces, provide fiber plugs or expansion shields for use with sheet-metal screws furnished, or provide 1/8" (3mm) toggle bolts or expansion bolts.

Note: Surface-mount the dispenser plumb and true with valve 6" (150mm) to right or left of lavatory center. Provide 4" (100mm) minimum clearance from the lid to the underside of any horizontal projection. Push buttons should be located 44" (1120mm) maximum above the finish floor.

SPECIFICATION:

Surface-mounted soap dispenser shall be Type-304 stainless steel with satin-finish. Corrosion-resistant valve shall dispense commercially marketed all-purpose hand soaps, non-iodine based soaps and do not use alcohol based sensitizers. To prevent corrosion of the tank, use only chloride-free pH-neutral liquid soaps. Valve shall be operable with one hand and with less than 5 pounds of force (22.2 N) to comply with accessible design guidelines (including ADAAG in the U.S.A.). Container shall be equipped with a clear acrylic refill-indicator window; a locked, hinged stainless steel lid for top filling; and shall have a capacity of 40-fl oz (1.2-L). Unit shall have concealed, vandal-resistant mounting.

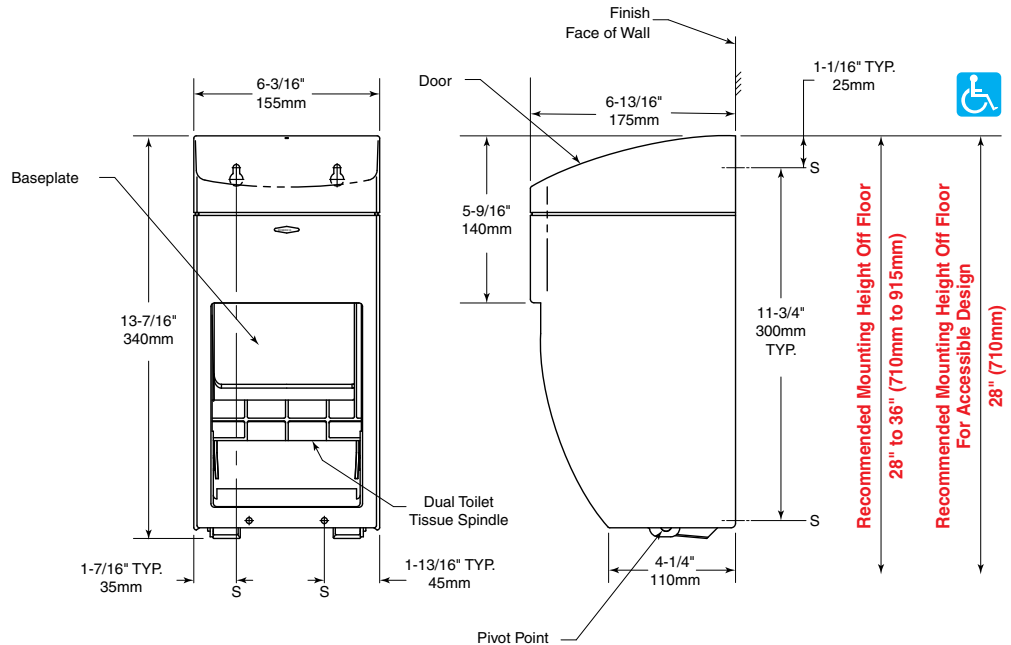
Surface-Mounted Soap Dispenser shall be Model B-2111 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.



Technical Data

MatrixSeries™ SURFACE-MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER

B-5288



MATERIALS:

Mounting Plate — Durable, high-impact grey ABS. Equipped with a concealed locking device to secure door; keyed like other Bobrick washroom accessories.

Door — Durable, high-impact grey ABS with high-gloss finish on exposed surfaces. Front of door has same degree of arc as other MatrixSeries washroom accessories. Radius on corners, edges and top complement other MatrixSeries washroom accessories. Secured to mounting plate with two keyed pivots.

Dual Toilet Tissue Spindle — Durable, high-impact grey ABS. Retained in door when unit is locked.

OPERATION:

Unit holds two standard-core toilet tissue rolls up to 5-3/4" (145mm) diameter (2000 sheets). Toilet tissue rolls are loaded and locked into door. Extra roll is manually lowered into place when bottom roll is depleted. Depleted rolls can only be removed after unlocking door with key provided.

INSTALLATION:

For partitions with particle board or other solid core, secure with four sheet-metal screws (not furnished), or provide through-bolts, nuts, and washers.

For hollow-core metal partitions, provide solid backing into which sheet-metal screws (not furnished) can be secured. If two units are installed back-to-back, then provide threaded sleeves and machine screws for the full thickness of partition.

For plaster or dry wall construction, provide concealed backing to comply with local building codes, then secure unit with sheet-metal screws (not furnished).

For other wall surfaces, provide fiber plugs or expansion shields for use with sheet-metal screws (not furnished), or provide 3/16" (4.8mm) toggle bolts or expansion bolts.

SPECIFICATION:

Surface-mounted multi-roll toilet tissue dispenser shall be durable, high-impact grey ABS with high-gloss finish on exposed surfaces. Front of door shall have same degree of arc and match other Bobrick MatrixSeries accessories in the washroom. Radius on corners, edges, and top of door shall complement other Bobrick MatrixSeries washroom accessories. Door shall be secured to mounting plate with two keyed pivots and a concealed locking device keyed like other Bobrick washroom accessories. Unit shall be equipped with a one-piece, dual toilet tissue spindle. Unit shall dispense two standard-core toilet tissue rolls up to 5-3/4" (145mm) diameter (2000 sheets). Extra roll shall be manually lowered into place when bottom roll is depleted. Replacement part numbers shall be molded into unit.

Surface-Mounted Multi-Roll Toilet Tissue Dispenser shall be Model B-5288 of Bobrick Washroom Equipment, Inc., Clifton Park, New York; Jackson, Tennessee; Los Angeles, California; Bobrick Washroom Equipment Company, Scarborough, Ontario; Bobrick Washroom Equipment Pty. Ltd., Australia; and Bobrick Washroom Equipment Limited, United Kingdom.

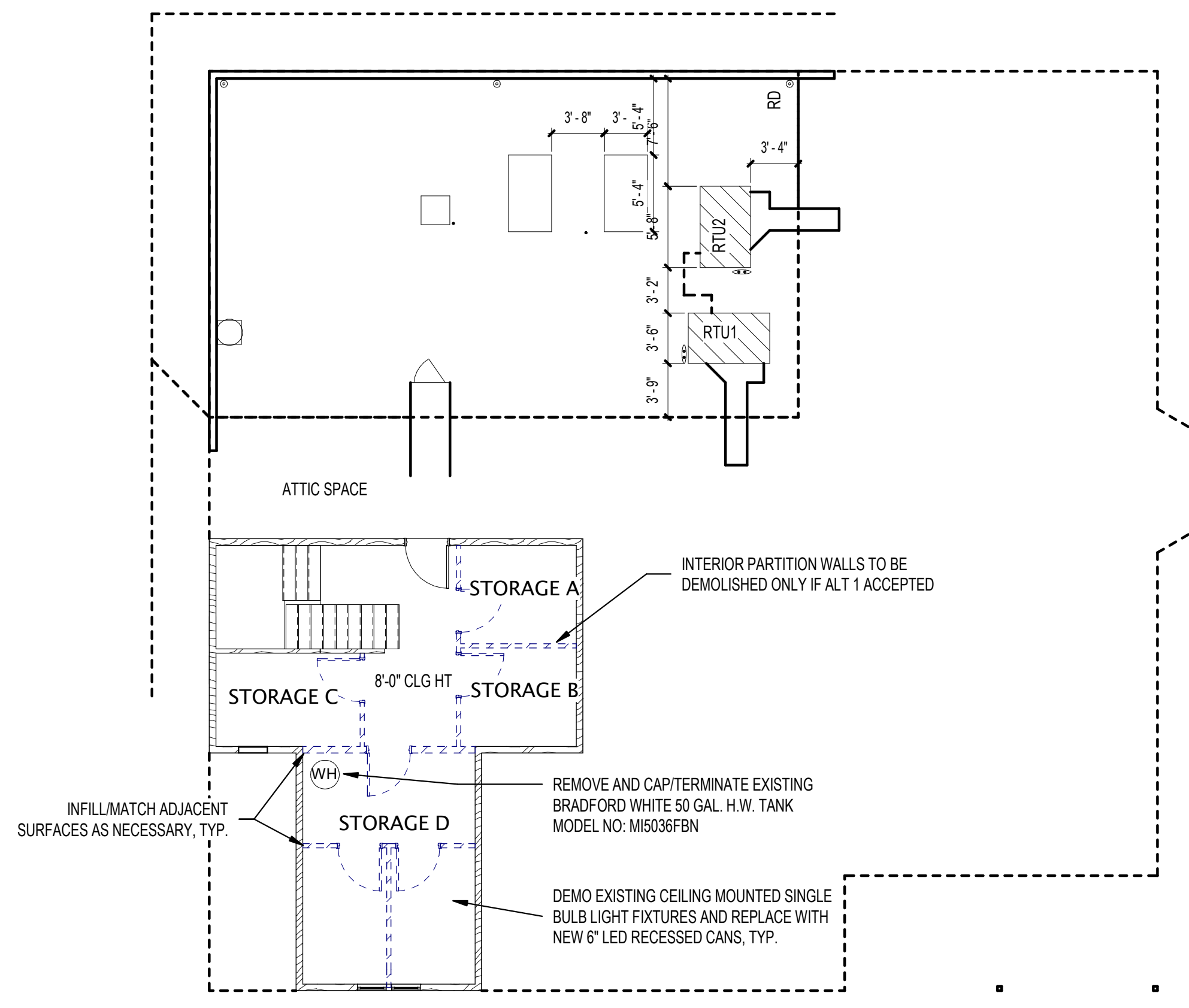


UNDERWOOD
& ASSOCIATES, LLC

1005 4th Street
Anacortes, Washington 98221
360.588.0471

- NOTE:
1. CONTRACTOR TO EXERCISE CAUTION DURING DEMOLITION TO ENSURE SAFETY AT ALL TIMES. UNFORESEEN/UNKNOWN CONDITIONS MAY REQUIRE ADDITIONAL INPUT AND ANALYSIS. PROVIDE TEMPORARY SHORING AS NECESSARY.
 2. REFER TO HVAC DEMO PLANS FOR ADDITIONAL DEMO INFORMATION.
 3. REFER TO PLUMBING DEMO PLANS FOR ADDITIONAL DEMO INFORMATION INCLUDING SLAB CUTTING FOR UNDERGROUND PLUMBING WORK.
 4. REFER TO ELECTRICAL DEMO PLANS FOR ADDITIONAL DEMO INFORMATION.

- - - - - DASHED LINES INDICATE WALLS/WINDOWS/DOORS TO BE REMOVED AND/OR OPENINGS TO BE MADE FOR NEW WINDOWS OR DOORS
- - - - - EXISTING WALLS TO REMAIN

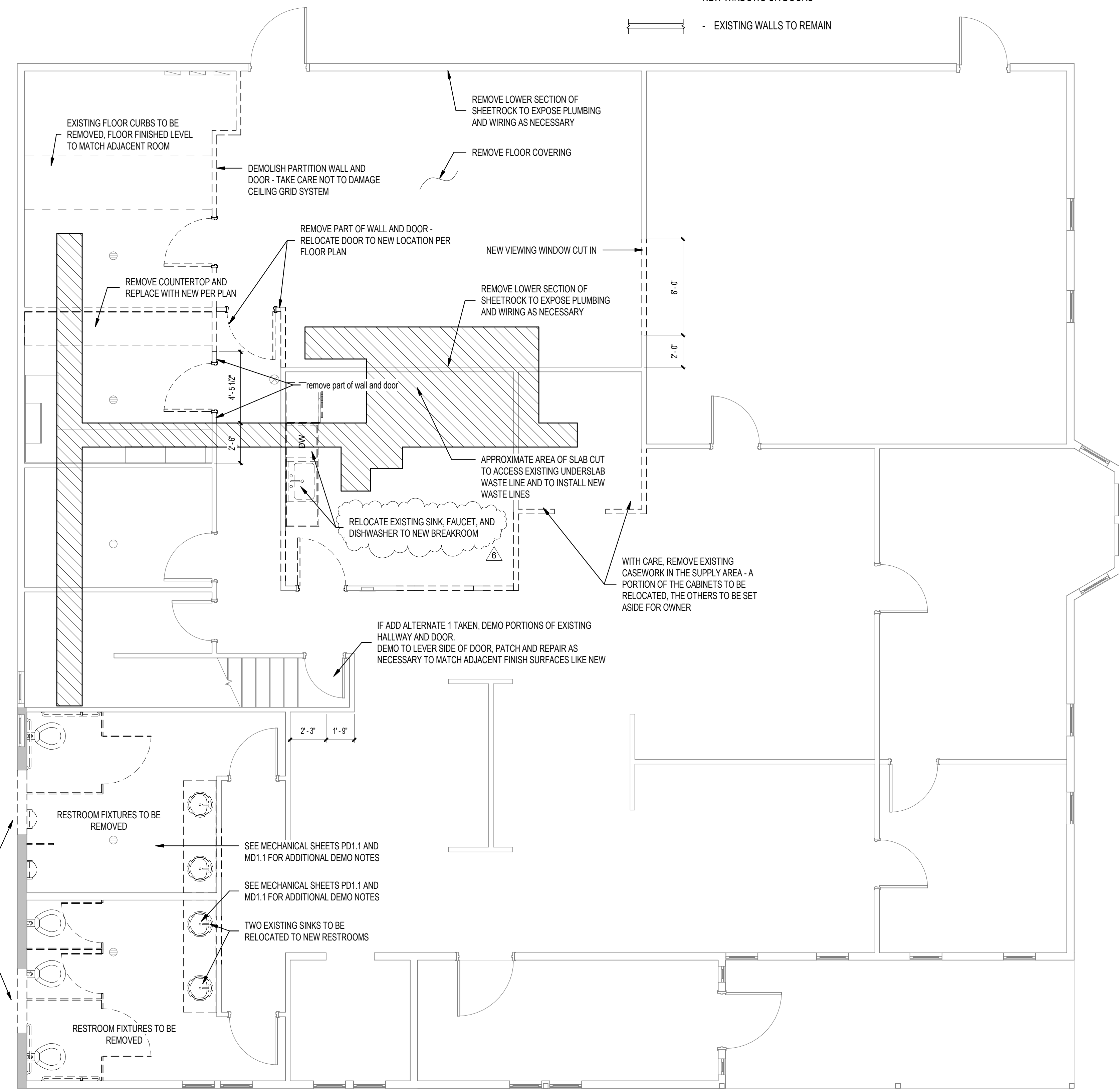


3 SECOND LEVEL DEMOLITION PLAN
1/8" = 1'-0"

- - - - - DASHED LINES INDICATE WALLS/WINDOWS/DOORS TO BE REMOVED AND/OR OPENINGS TO BE MADE FOR NEW WINDOWS OR DOORS
- - - - - EXISTING WALLS TO REMAIN
- - - - - NEW WALLS



2 FIRST FLOOR DEMOLITION & NEW WALL PLAN
1/8" = 1'-0"



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

9878 Registered ARCHITECT
Michael G. Underwood
Michael G. Underwood
State of Washington

BID SET

Project name:
SKAGIT COUNTY MORGUE FACILITY REMODEL

Project: SCC-2020
Issue Date: 11/15/2021

Revisions		
No.	Date	Description
6	11-15-21	RELOCATE BREAK ROOM SINK, FAUCET, DW

DEMOLITION PLAN

A103

11/24/2021 4:00:12 PM

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UNDERWOOD
& ASSOCIATES, LLC

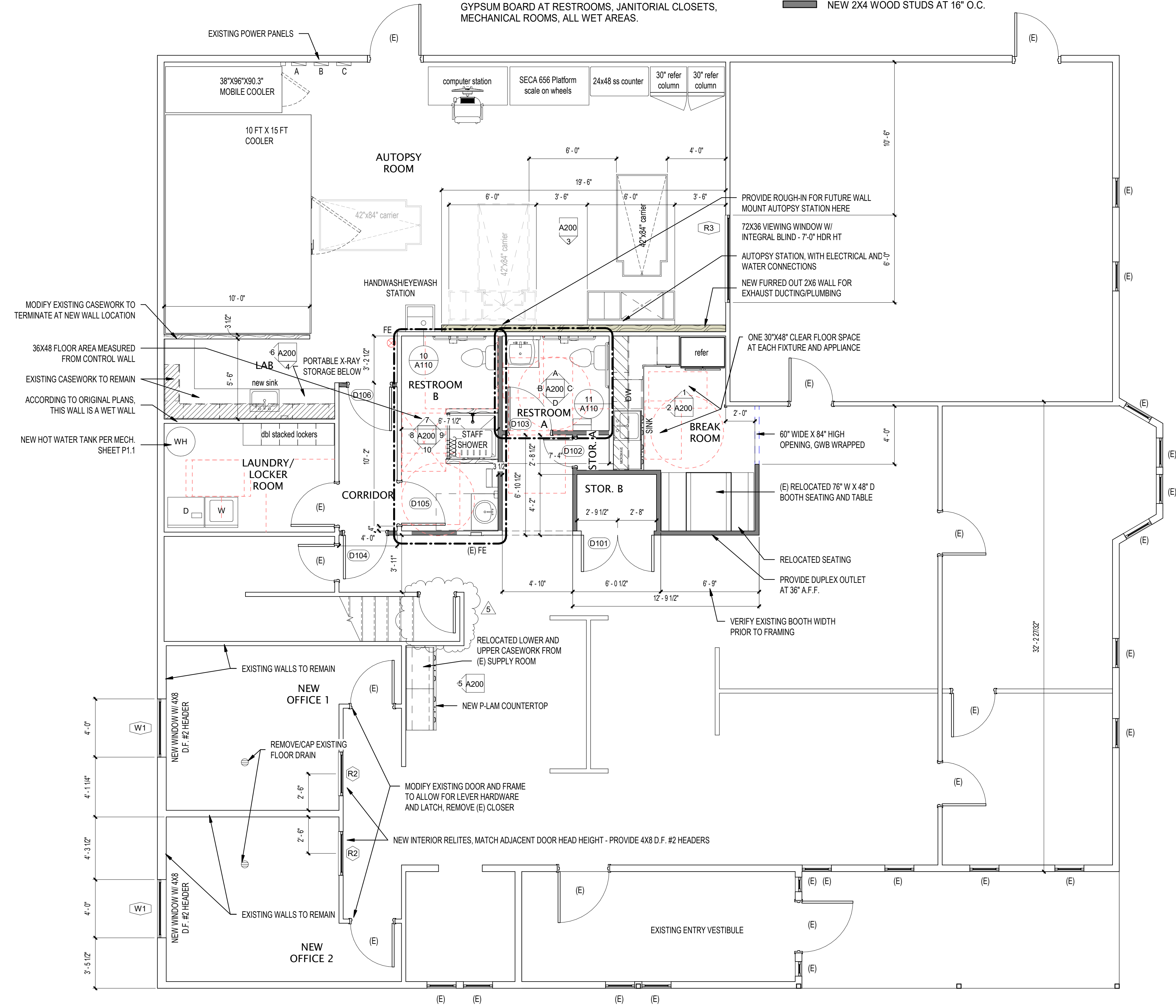
1005 4th Street
Anacortes, Washington 98221
360.588.0471

Floor Plan Notes:

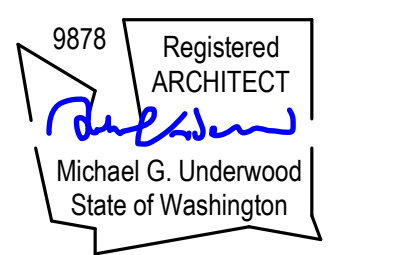
1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
2. ALL INTERIOR PARTITIONS WOOD STUDS - 16" O.C. UNLESS NOTED OTHERWISE.
3. SEE WALL ASSEMBLY DETAILS FOR TYPICAL WALL DETAILS.
4. WINDOWS WITHIN 18" A.F.F. AND WITHIN 24" OF DOOR SWINGS TO BE SAFETY GLAZED.
5. PROVIDE BACKING IN ALL BATHROOMS FOR GRAB BARS, TOILET DISPENSERS, FIXTURES, CABINETS, ETC. COORDINATE WITH OWNER FOR LOCATIONS.
6. LIGHTING: OCCUPANCY SENSOR CONTROLS SHALL BE INSTALLED IN ALL OCCUPIABLE ROOMS.
7. ALL MECHANICAL GRILLS AND DIFFUSERS TO MATCH ADJACENT WALL FINISH COLOR.
8. ALL PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED WITH UL LISTED FIRE / SMOKE STOP ASSEMBLY.
9. PREP EXISTING FLOOR TO RECEIVE NEW FLOOR FINISHES THROUGHOUT AREA OF WORK. FLOORS TO BE LEVEL AND VOID OF IRREGULARITIES.
10. PATCH AND REPAIR EXISTING WALLS TO REMAIN AS REQUIRED TO MATCH EXISTING/NEW FINISHES.
11. VERIFY DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK. CONTACT ARCHITECT IMMEDIATELY TO DISCUSS CONFLICTS, PROBLEMS, OR CONCERNS.
12. PROVIDE 5/8" TYPE X MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT RESTROOMS, JANITORIAL CLOSETS, MECHANICAL ROOMS, ALL WET AREAS.
13. UNLESS NOTED OTHERWISE, ALL PARTITION WALLS TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.
14. ALL NEW WALL AND ROOF PENETRATIONS FOR LOUVERS, EXHAUST STACKS, AND WASTE AIR VENT PIPES TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS. PROVIDE PROPER FLASHING, SEALANT, AND MEANS TO ENSURE ADEQUATE ROOF AND/OR WALL REPAIR TO PREVENT LEAKING. REPAIR/FINISH TO MATCH ADJACENT SURFACES.

LEGEND:

- EXISTING WALLS
- NEW 2X6 WOOD STUDS AT 16" O.C.
- NEW 2X4 WOOD STUDS AT 16" O.C.



1 NEW FIRST LEVEL PLAN
1/4" = 1'-0"



BID SET

Project name:
SKAGIT COUNTY MORGUE FACILITY REMODEL

Project: SCC-2020
Issue Date: 11/15/2021

Revisions		
No.	Date	Description
5	11-15-21	EXISTING DOOR AND WALLS TO REMAIN

FIRST LEVEL PLAN

A104
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& ASSOCIATES, LLC

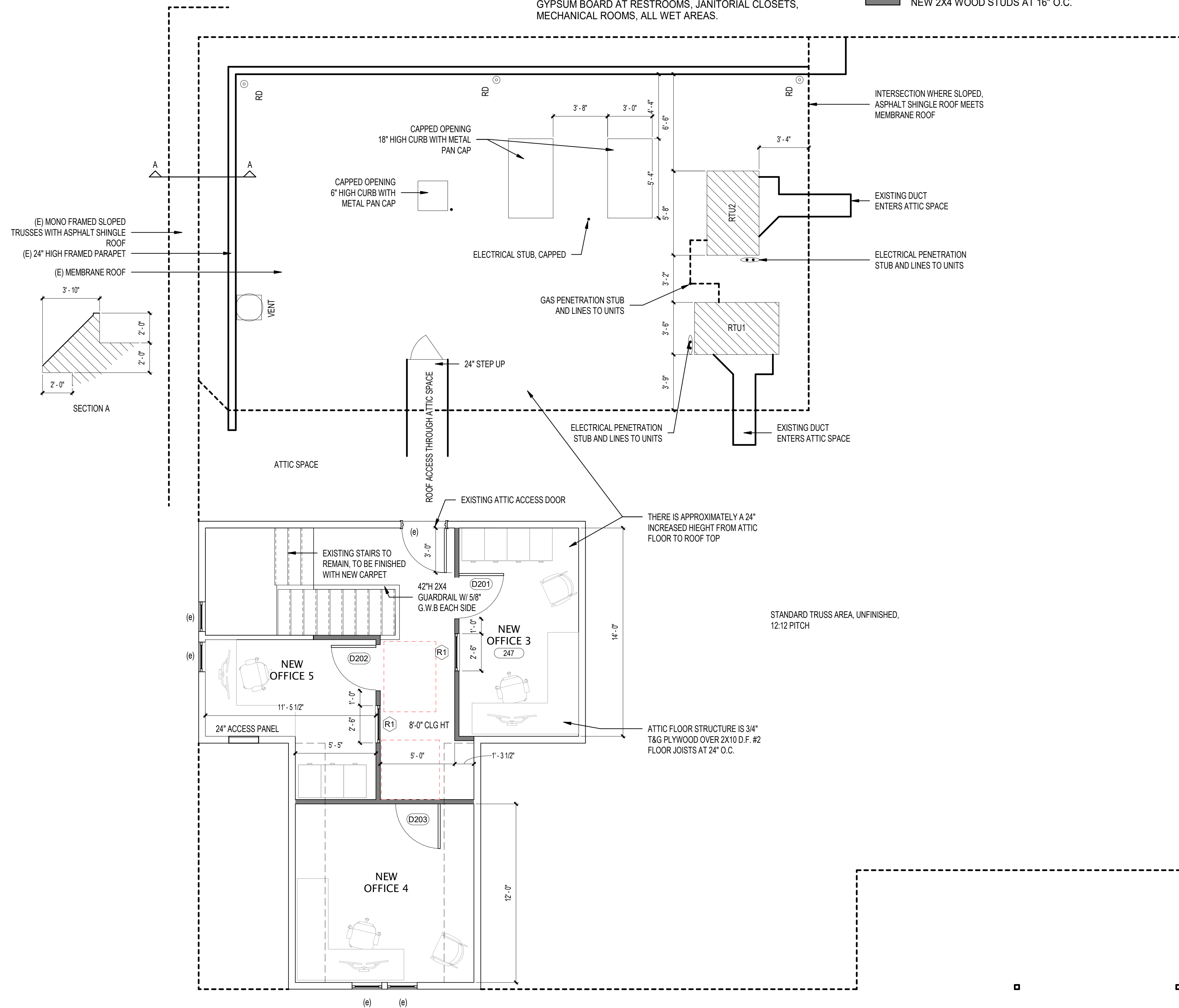
1005 4th Street
anacortes, washington 98221
360.588.0471

Floor Plan Notes:

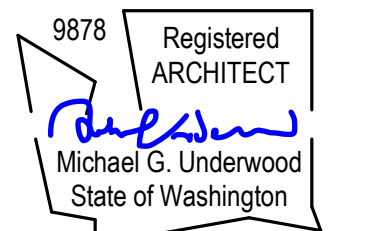
1. ALL DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
2. ALL INTERIOR PARTITIONS WOOD STUDS - 16" O.C. UNLESS NOTED OTHERWISE.
3. SEE WALL ASSEMBLY DETAILS FOR TYPICAL WALL DETAILS.
4. WINDOWS WITHIN 18" A.F.F. AND WITHIN 24" OF DOOR SWINGS TO BE SAFETY GLAZED.
5. PROVIDE BACKING IN ALL BATHROOMS FOR GRAB BARS, TOILET DISPENSERS, FIXTURES, CABINETS, ETC. COORDINATE WITH OWNER FOR LOCATIONS.
6. LIGHTING: OCCUPANCY SENSOR CONTROLS SHALL BE INSTALLED IN ALL OCCUPIABLE ROOMS.
7. ALL MECHANICAL GRILLS AND DIFFUSERS TO MATCH ADJACENT WALL FINISH COLOR.
8. ALL PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED WITH UL LISTED FIRE / SMOKE STOP ASSEMBLY.
9. PREP EXISTING FLOOR TO RECEIVE NEW FLOOR FINISHES THROUGHOUT AREA OF WORK. FLOORS TO BE LEVEL AND VOID OF IRREGULARITIES.
10. PATCH AND REPAIR EXISTING WALLS TO REMAIN AS REQUIRED TO MATCH EXISTING/NEW FINISHES.
11. VERIFY DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK. CONTACT ARCHITECT IMMEDIATELY TO DISCUSS CONFLICTS, PROBLEMS, OR CONCERNS.
12. PROVIDE 5/8" TYPE X MOISTURE AND MOLD RESISTANT GYPSUM BOARD AT RESTROOMS, JANITORIAL CLOSETS, MECHANICAL ROOMS, ALL WET AREAS.
13. UNLESS NOTED OTHERWISE, ALL PARTITION WALLS TO EXTEND TO UNDERSIDE OF STRUCTURE ABOVE.
14. ALL NEW WALL AND ROOF PENETRATIONS FOR LOUVERS, EXHAUST STACKS, AND WASTE AIR VENT PIPES TO BE INSTALLED PER MANUFACTURERS REQUIREMENTS. PROVIDE PROPER FLASHING, SEALANT, AND MEANS TO ENSURE ADEQUATE ROOF AND/OR WALL REPAIR TO PREVENT LEAKING. REPAIR/FINISH TO MATCH ADJACENT SURFACES.

LEGEND:

- EXISTING WALLS
- NEW 2X6 WOOD STUDS AT 16" O.C.
- NEW 2X4 WOOD STUDS AT 16" O.C.



1 ADD ALTERNATE 1 SECOND LEVEL PLAN
1/4" = 1'-0"



BID SET

Project name:
SKAGIT COUNTY MORGUE FACILITY REMODEL

Project: SCC-2020
Issue Date: 11/15/2021

Revisions		
No.	Date	Description

ADD ALT 1 SECOND LEVEL PLAN

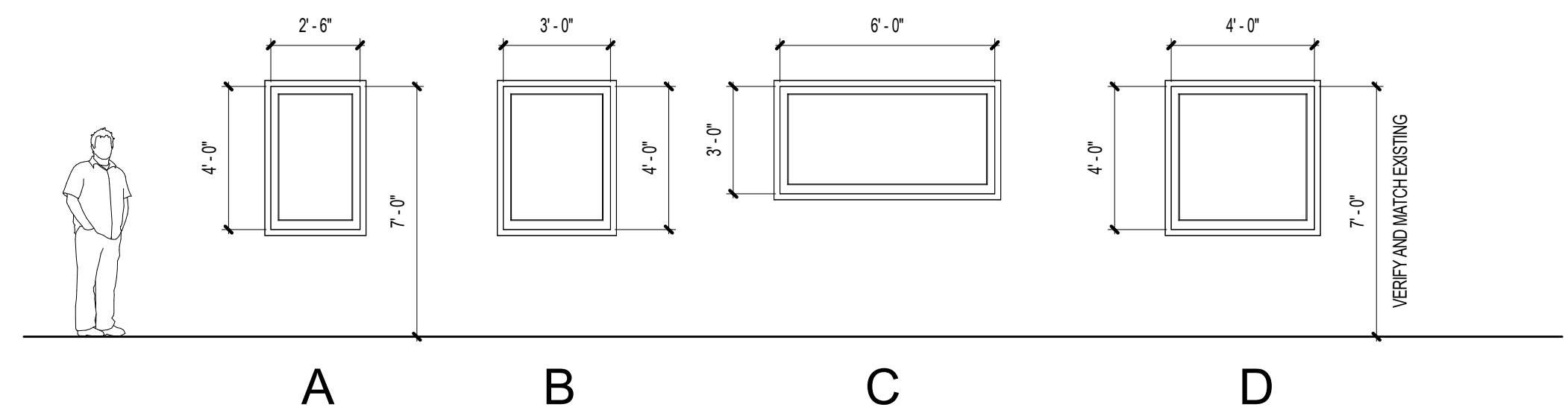
A105

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Window Schedule							
Type Mark	Count	Elevation Type	Type	Width	Height	Ventilation	Comments
R1	2	A	Interior Relite	2' - 6"	4' - 0"	0	Vinyl Windows to Match Existing
R2	2	B	Interior Relite	3' - 0"	4' - 0"	0	Vinyl Windows to Match Existing
R3	1	C	Interior Relite	6' - 0"	3' - 0"	0	Vinyl Windows to Match Existing
W1	2	D	Exterior Picture	4' - 0"	4' - 0"	0	Vinyl Windows to Match Existing
Grand total:	7						

WINDOW SCHEDULE NOTES:

- WINDOW ELEVATIONS SHOWN FROM EXTERIOR.
- FIELD VERIFY ALL DIMENSIONS AND CLEARANCES.
- ALL EXTERIOR GLAZING TO BE INSULATED UNITS, U.N.O.
- PROVIDE SAFETY GLAZING AS REQUIRED BY BUILDING CODE. WINDOWS WITHIN 18" A.F.F., WITHIN 24" OF DOOR SWINGS, AND WITHIN 24" OF WET SURFACES/FIXTURES TO BE SAFETY GLAZED.
- EXTERIOR WINDOW COLOR TO MATCH EXISTING (WHITE)
- INTERIOR RELITES TO BE WHITE.
- ALL WINDOWS AND DOORS TO MEET REQUIREMENTS OF THE 2018 WASHINGTON STATE ENERGY CODE, INCLUDING MINIMUM U-VALUES AND SHGC VALUES.



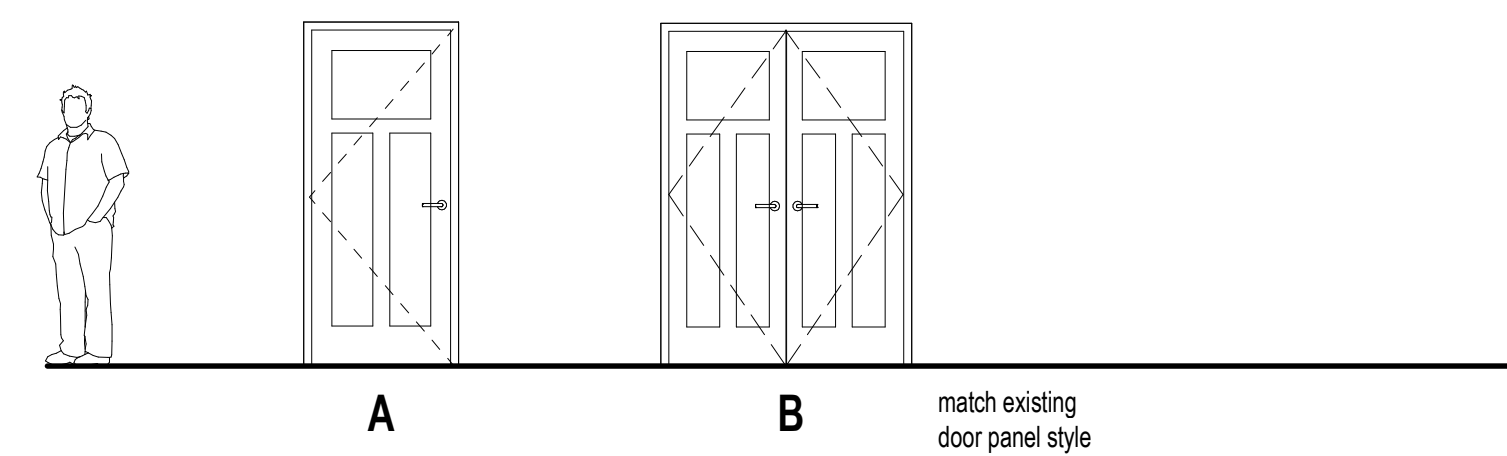
Window Types

1/4" = 1'-0"

Door Schedule									
Mark	Count	Door Elevation	Door Size		Function	Operation	Glazing	Door Hardware	Type Comments
			Width	Height					
D101	1	B	5' - 0"	6' - 8"	Interior		No	Dummy lever hardware, ball latch at top	
D102	1	A	2' - 0"	6' - 8"	Interior		No	Passage, lever exterior, lever interior, no closer, no kickplate, wall stop	
D103	1	A	3' - 0"	6' - 8"	Interior		No	Privacy, No Closer, Kick Plate, Lever Interior, Lever Exterior, Wall Stop	
D104	1	A	3' - 0"	6' - 8"	Interior		No	Entry (keyed side is admin area), lever interior, lever exterior, wall stop, kick plate	
D105	1	A	3' - 0"	6' - 8"	Interior		No	Privacy, No Closer, Kick Plate, Lever Interior, Lever Exterior, Wall Stop	
D106	1	A	3' - 0"	6' - 8"	Interior		No	Passage, lever exterior, lever interior, no closer, kickplate, wall stop	
D201	1	A	3' - 0"	6' - 8"	Interior		No	Passage, lever exterior, lever interior, no closer, no kickplate, wall stop	
D202	1	A	3' - 0"	6' - 8"	Interior		No	Passage, lever exterior, lever interior, no closer, no kickplate, wall stop	
D203	1	A	3' - 0"	6' - 8"	Interior		No	Passage, lever exterior, lever interior, no closer, no kickplate, wall stop	
Grand Total	9								

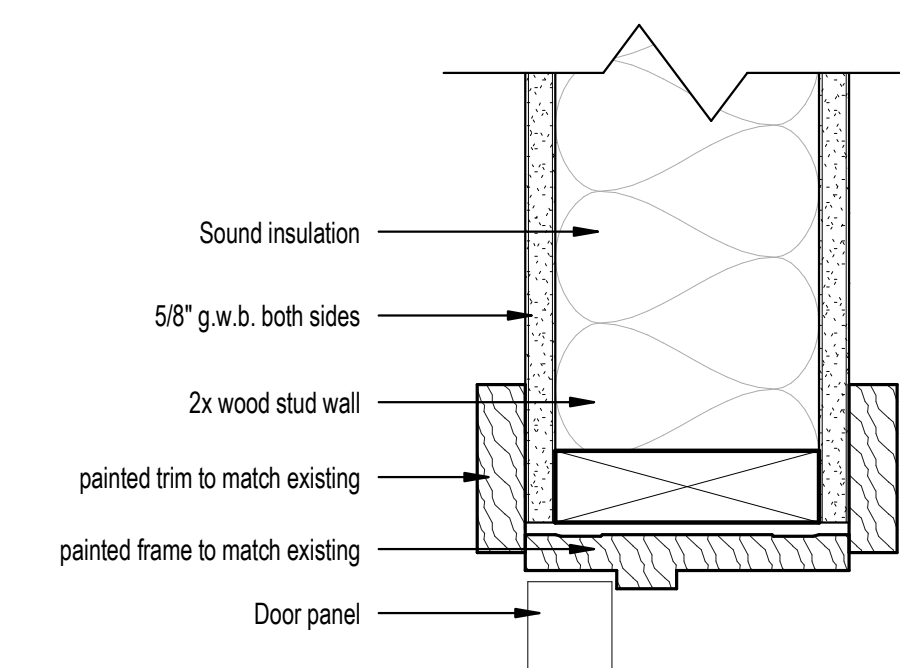
DOOR SCHEDULE NOTES:

- DOOR SIZE SHOWN IS LEAF SIZE.
- VERIFY WALL THICKNESSES AT ALL NEW DOOR AND RELOCATED DOOR LOCATIONS FOR APPROPRIATE JAMB THICKNESS.
- ALL INTERIOR DOORS TO BE MATCH EXISTING 3 PANEL MDF DOORS, PAINTED & TRIMMED TO MATCH EXISTING.
- ALL DOORS TO HAVE BARRIER FREE HARDWARE AS REQUIRED FOR ACCESSIBILITY AND EGRESS.
- ALL DOORS SHALL HAVE LEVER HARDWARE TO PERMIT OPERATION BY HAND OR WRIST.
- DOOR HARDWARE TO MATCH EXISTING LEVER HARDWARE. INTERIOR LEVERS APPEAR TO BE SCHLAGE, MERANO SERIES. CONTRACTOR TO CONFIRM.



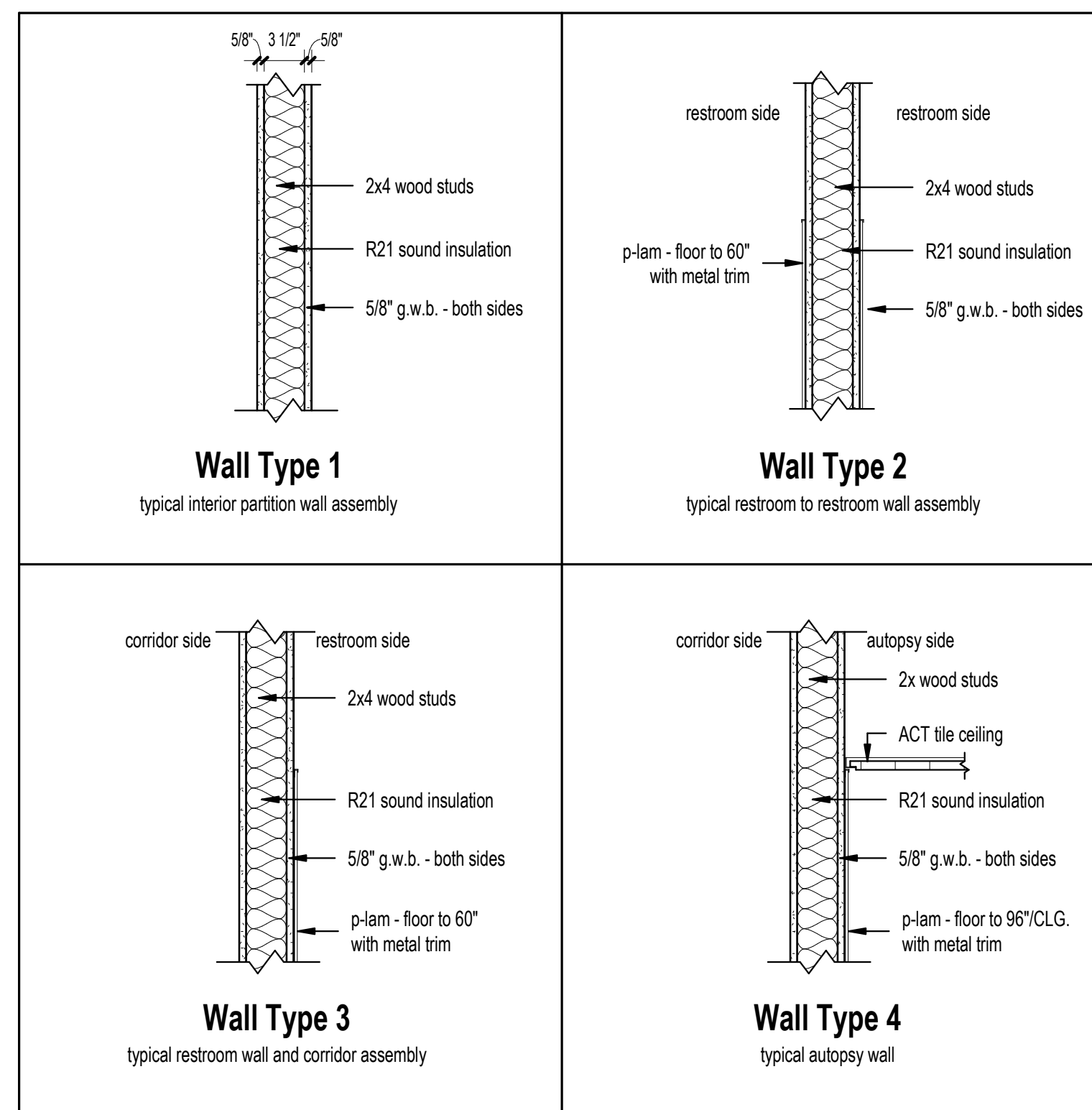
Door Types

1/4" = 1'-0"



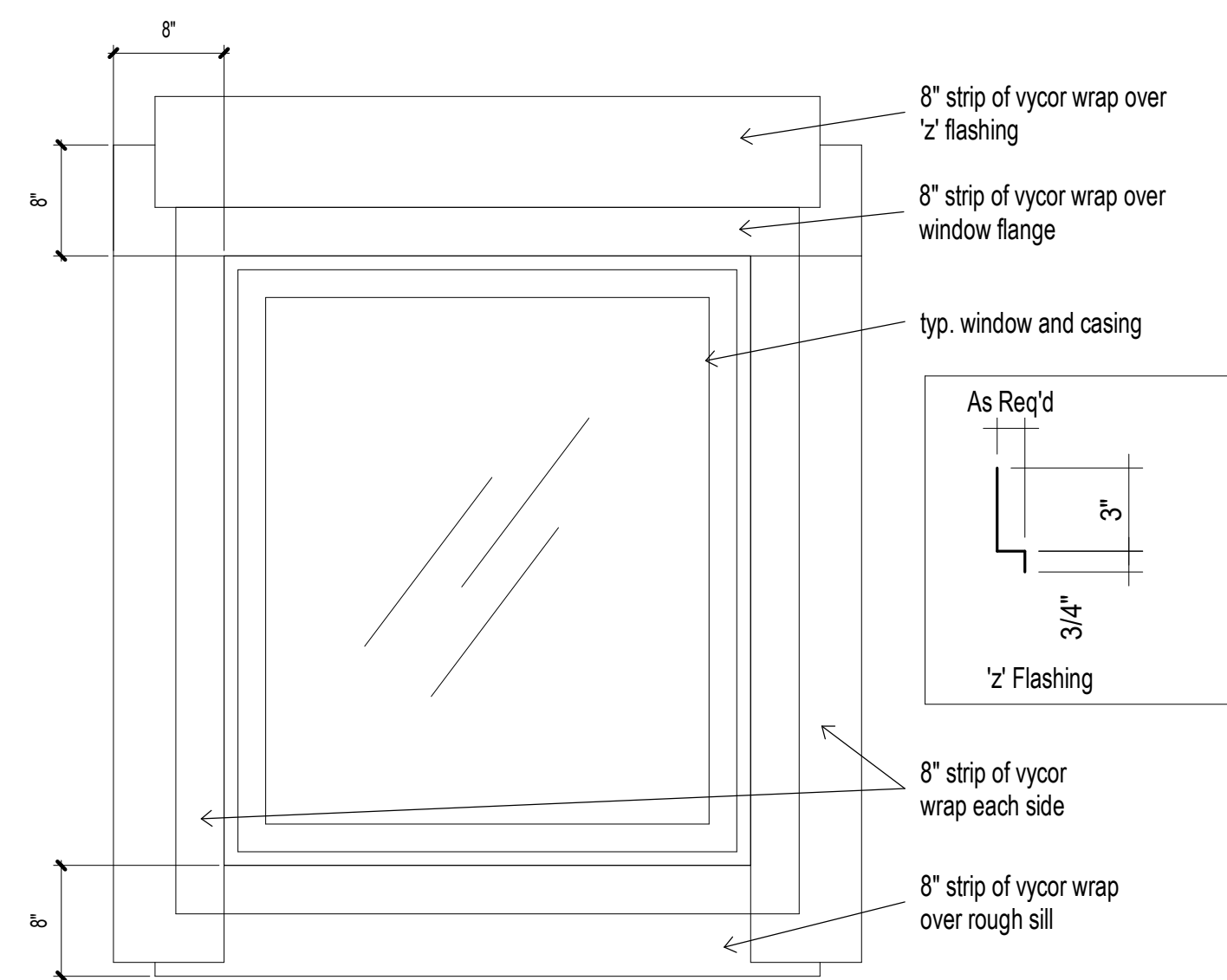
1 Int. Door Jamb

3" = 1'-0"



Wall Assembly Legend

1" = 1'-0"

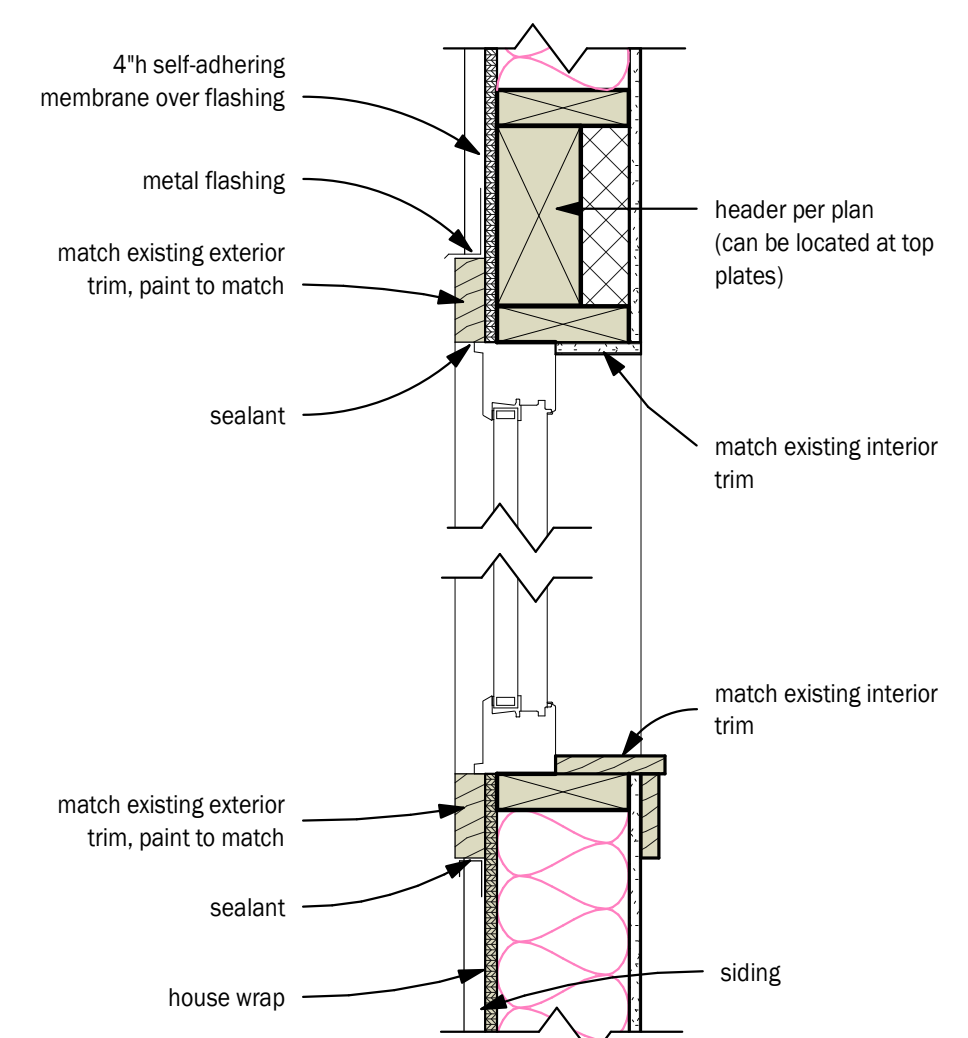


Elevation

3 Window Flashing

1" = 1'-0"

Install building wrap per manufacturer's instructions.
Install window per manufacturer's recommendations.
Caulk all windows to sheathing joints with flexible butyl caulk.
Install siding and window trim.
Install metal "z" flashing over top of trim.
Caulk top and side trim to window frame and siding.
Follow Grace Vycor self-adhearing flashing application instructions for weather resistive barrier installation.



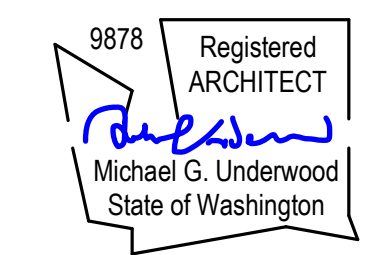
4 Exterior Window Trim Detail

1 1/2" = 1'-0"



UNDERWOOD & ASSOCIATES, LLC

1005 4th Street
anacortes, washington 98221
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BID SET

Project name:
SKAGIT COUNTY MORGUE FACILITY REMODEL

Project: SCC-2020
Issue Date: 11/15/2021

Revisions		
No.	Date	Description

DOOR & WINDOW SCHEDULES, & WALL ASSEMBLIES

A106

11/24/2021 4:00:12 PM

FINISH FLOOR PLAN GENERAL NOTES

- REFER TO FLOOR FINISH PLAN AND LEGEND FOR FLOORING TYPES. PROVIDE ADA COMPLIANT TRANSITIONS BETWEEN VARYING FLOORINGS.
- BASE: 6" HIGH IN RESTROOMS
1/2X8 PAINTED MDF TRIM AT NEW LOCATIONS TO MATCH EXISTING
FLUID APPLIED IN AUTOPSY AREAS
4" RUBBER BASE AT UPPER FLOOR OFFICES (IF ALT 1 IS ACCEPTED)
- ALL WALLS ARE TO BE TEXTURED AND PAINTED TO MATCH EXISTING SURFACES, U.N.O.
- REFER TO REFLECTED CEILING PLAN SHEET A109 FOR LOCATIONS OF ACT, SHEETROCK CEILINGS, AND AREAS OPEN TO STRUCTURE.
- PLEASE NOTE ALL TRANSITIONS TO BE FLUSH, SUBMIT SEAM DIAGRAM AND CLEANING INSTRUCTIONS.

FLOOR COVERINGS

CT, Carpet:
 What: Carpet Tile
 Location: Upper Floor and Stair, see architects plan and finish schedule
 Mfg: J and J Flooring, Kinex
 Pattern: Provision
 Number: 1831
 Color: Fare 2276
 Size: 24x24

Nosing: Roppe
 Profile: #206 Double Undercut Stair Nosing 1/4"
 Color: 110, Brown
 ADA: Yes

Install: As per manufacturer recommendations.
 Direction: Recommended: Vertical Ashlar

Note installer to layout pattern for client to view before full installation.

ELVT-1 & LVT-2, EXISTING LUXURY VINYL TILE:
 What: Vinyl Tile
 Location: First Floor
 Mfg: Shaw
 Pattern: Solitude
 Number: 0648V
 Color: confirm, possibly Mink
 Size: 6x48

Note: The intent is to match the existing LVT

RUBBER BASE

What: Rubber Base with Toe
 Location: 4" rubber base in general areas and 6" in restrooms.
 Mfg: Johnsonite
 Number: 32
 Color: Pebble

Install: As per manufacturer recommendations.

FINISH LEGEND

- FLOOR FINISH TRANSITIONS**
- CT - CARPET TILE
- E-LVT-1 - EXISTING LUXURY VINYL TILE PLANKS
- LVT-2 - LUXURY VINYL TILE PLANKS
- FAF-1 - FLUID APPLIED FLOORING
- PT-1 WALL PAINT, Benjamin Moore or equal

PLASTIC LAMINATE

PL1:
 What: Plastic Laminate
 Location: Restroom Walls
 Mfg: Plonite
 Pattern: Love Letters
 Color: AW300 textured / Suede Finish
 Trim: Metal edge trim - Schluter color TBD

PL2:
 What: Plastic Laminate
 Location: Countertops
 Mfg: Wilsonart
 Pattern: Casual Linen, 4944

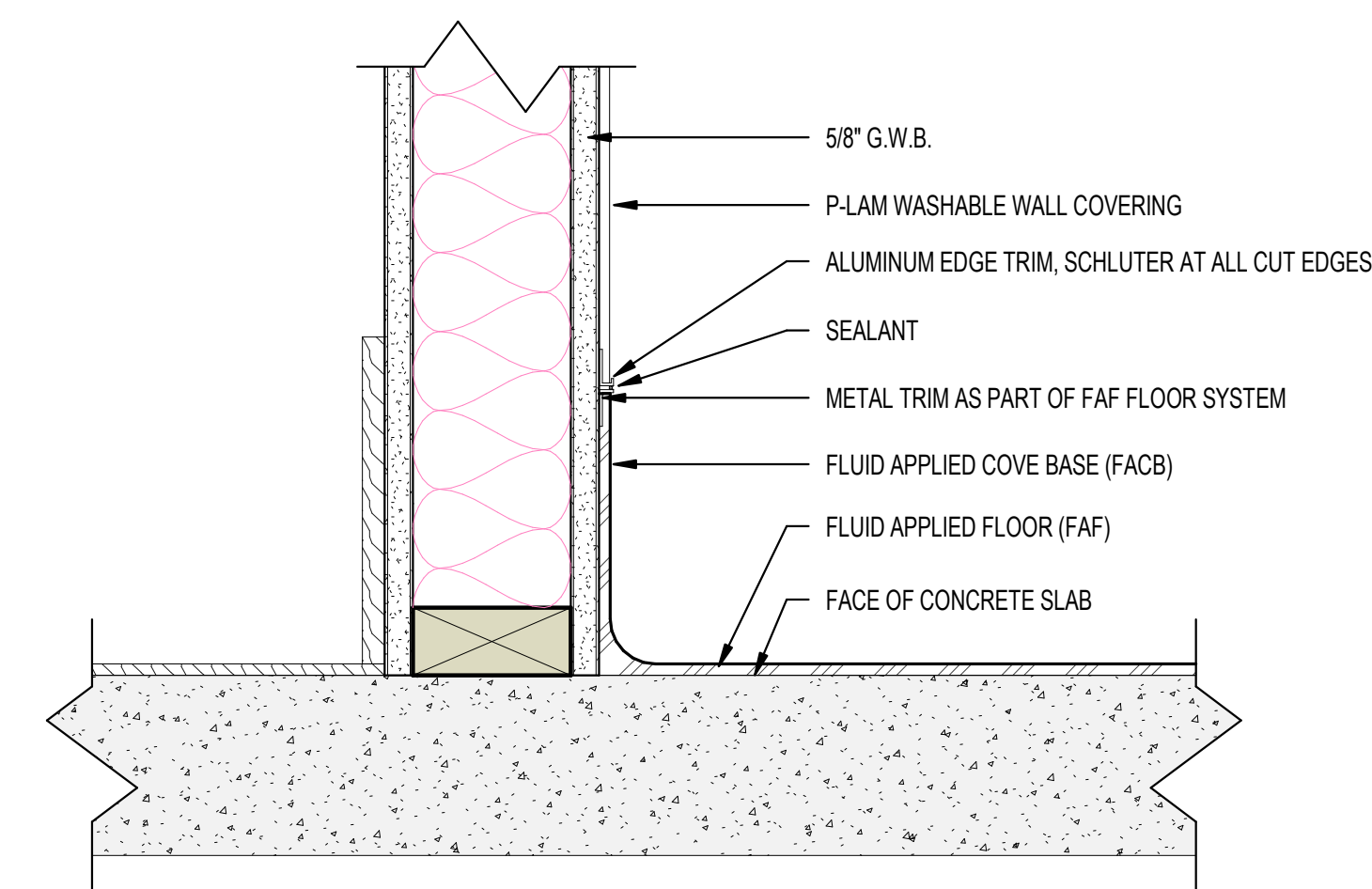
PL3:
 What: Plastic Laminate
 Location: Casework
 Mfg: Wilsonart
 Pattern: 5th Ave. Elm, 7966

FRP1:
 What: FRP
 Location: Autopsy
 Mfg: Marlite
 Pattern: Smooth
 Color: Light Grey

PAINT AND STAIN

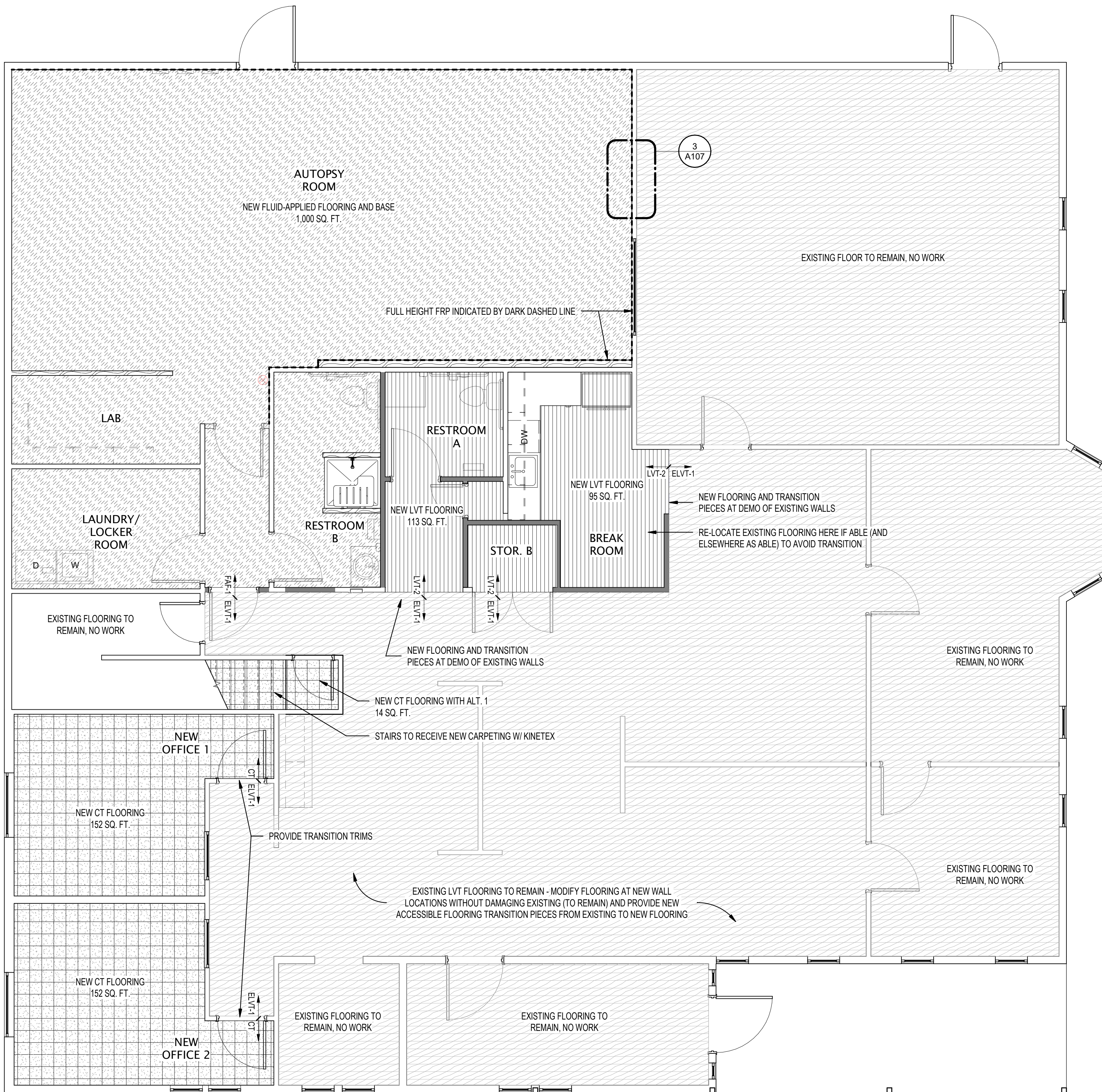
PT-1:
 Location: General
 Mfg: Benjamin Moore
 Color: HC-81 Manchester Tan
 *Finish: Walls: Satin

*All paints 0% VOC



3 FAF at Wall
3" = 1'-0"

ROOM NAME	WALLS FINISH				FLOOR	CEILING	CASEWORK	COMMENTS
	NORTH	EAST	SOUTH	WEST				
Level 01 floor								
AUTOPSY ROOM	PT1, G.W.B, FAF BASE	PLAM, G.W.B, FAF BASE	PLAM, G.W.B, FAF BASE	PLAM, G.W.B, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	NO	
BREAK ROOM	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	LVT	ACT	YES	
CORRIDOR	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	NO	
LAB	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	YES	
LAUNDRY/ LOCKER ROOM	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	PT1, G.W.B, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	NO	
NEW OFFICE 1	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	CARPET	ACT	NO	
NEW OFFICE 2	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	CARPET	ACT	NO	
RESTROOM A	PLAM, PT1, G.W.B, BASE	PLAM, PT1, G.W.B, BASE	PLAM, PT1, G.W.B, BASE	PLAM, PT1, G.W.B, BASE	LVT WITH 6" RUBBER BASE	PAINTED G.W.B W/ ORANGE PEEL FINISH	YES	RELOCATE EXISTING LAV TO THIS RESTROOM
RESTROOM B	PLAM, PT1, G.W.B, FAF BASE	PLAM, PT1, G.W.B, FAF BASE	PLAM, PT1, G.W.B, FAF BASE	PLAM, PT1, G.W.B, FAF BASE	FLUID APPLIED FLOORING WITH BASE	PAINTED G.W.B W/ ORANGE PEEL FINISH	YES	RELOCATE EXISTING LAV TO THIS RESTROOM
STOR. A	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	LVT	PAINTED G.W.B W/ ORANGE PEEL FINISH	NO	
STOR. B	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	PT1, G.W.B, BASE	LVT	PAINTED G.W.B W/ ORANGE PEEL FINISH	NO	
Level 02 Second Floor								
NEW OFFICE 3	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	CARPET	PAINTED G.W.B W/ ORANGE PEEL FINISH	NO	
NEW OFFICE 4	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	CARPET	PAINTED G.W.B W/ ORANGE PEEL FINISH	NO	
NEW OFFICE 5	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	PT1, G.W.B, 4" RUBBER BASE	CARPET	PAINTED G.W.B W/ ORANGE PEEL FINISH	NO	
Grand total								

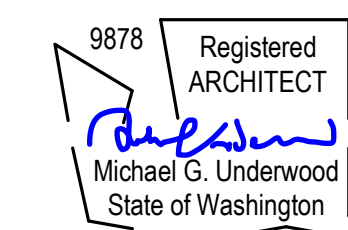


2 NEW FIRST LEVEL PLAN
1/4" = 1'-0"



UNDERWOOD & ASSOCIATES, LLC

1005 4th Street
 anacortes, washington 98221
 360.588.0471



BID SET

Project name:
SKAGIT COUNTY MORGUE FACILITY REMODEL

Project: SCC-2020
 Issue Date: 11/15/2021

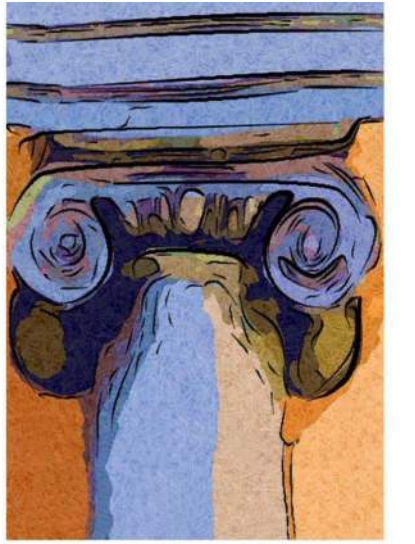
Revisions		
No.	Date	Description

FIRST LEVEL FINISH PLAN

A107

11/24/2021 4:00:12 PM

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UNDERWOOD
& ASSOCIATES, LLC

1005 4th Street
anacortes, washington 98221
360.588.0471

FINISH FLOOR PLAN GENERAL NOTES

- REFER TO FLOOR FINISH PLAN AND LEGEND FOR FLOORING TYPES. PROVIDE ADA COMPLIANT TRANSITIONS BETWEEN VARYING FLOORINGS.
- RUBBER BASE: 6" HIGH IN ALL RESTROOMS
4" HIGH IN ALL OTHER LOCATIONS, U.N.O.
FLUID APPLIED IN AUTOPSY AREAS
- ALL WALLS ARE TO BE TEXTURED AND PAINTED TO MATCH EXISTING SURFACES, U.N.O.
- REFER TO REFLECTED CEILING PLAN SHEET A109 FOR LOCATIONS OF ACT, SHEETROCK CEILINGS, AND AREAS OPEN TO STRUCTURE.
- PLEASE NOTE ALL TRANSITIONS TO BE FLUSH. SUBMIT SEAM DIAGRAM AND CLEANING INSTRUCTIONS.

Finish Legend

- FT CPT FLOOR FINISH TRANSITIONS
- CT - CARPET TILE
- ELVT-1 - EXISTING LUXURY VINYL TILE PLANKS
- LVT-2 - LUXURY VINYL TILE PLANKS
- FAF-1 - FLUID APPLIED FLOORING
- PT-1 WALL PAINT, Benjamin Moore or equal

CT, Carpet:

What: Carpet Tile
Location: Upper Floor and Stair, see architects plan and finish schedule
Mfg: J and J Flooring, Kinex
Pattern: Provision
Number: 1631
Color: Fare 2276
Size: 24x24

Nosing: Roppe
Profile: #206 Double Undercut Stair Nosing 1/4"
Color: 110, Brown
ADA: Yes

Install: As per manufacturer recommendations.
Direction: Recommended: Vertical Ashlar

Note installer to layout pattern for client to view before full installation.

ELVT-1 & LVT-2, EXISTING LUXURY VINYL TILE:

What: Vinyl Tile
Location: First Floor
Mfg: Shaw
Pattern: Solitude
Number: 0648V
Color: confirm, possibly Mink
Size: 6x48

Note: The intent is to match the existing LVT

RUBBER BASE

What: Rubber Base with Toe
Location: 4" rubber base in general areas and 6" in restrooms.
Mfg: Johnsonite
Number: 32
Color: Pebble

Install: As per manufacturer recommendations.

PL1:

What: Plastic Laminate
Location: Restroom Walls
Mfg: Pionite
Pattern: Love Letters
Color: AW300 textured / Suede Finish
Trim: Metal edge trim - Schluter color TBD

PL2:

What: Plastic Laminate
Location: Countertops
Mfg: Wilsonart
Pattern: Casual Linen, 4944

PL3:

What: Plastic Laminate
Location: Casework
Mfg: Wilsonart
Pattern: 5th Ave, Elm, 7966

FRP1:

What: FRP
Location: Autopsy
Mfg: Marite
Pattern: Smooth
Color: Light Grey

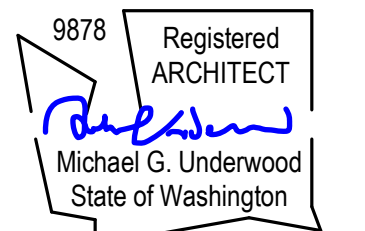
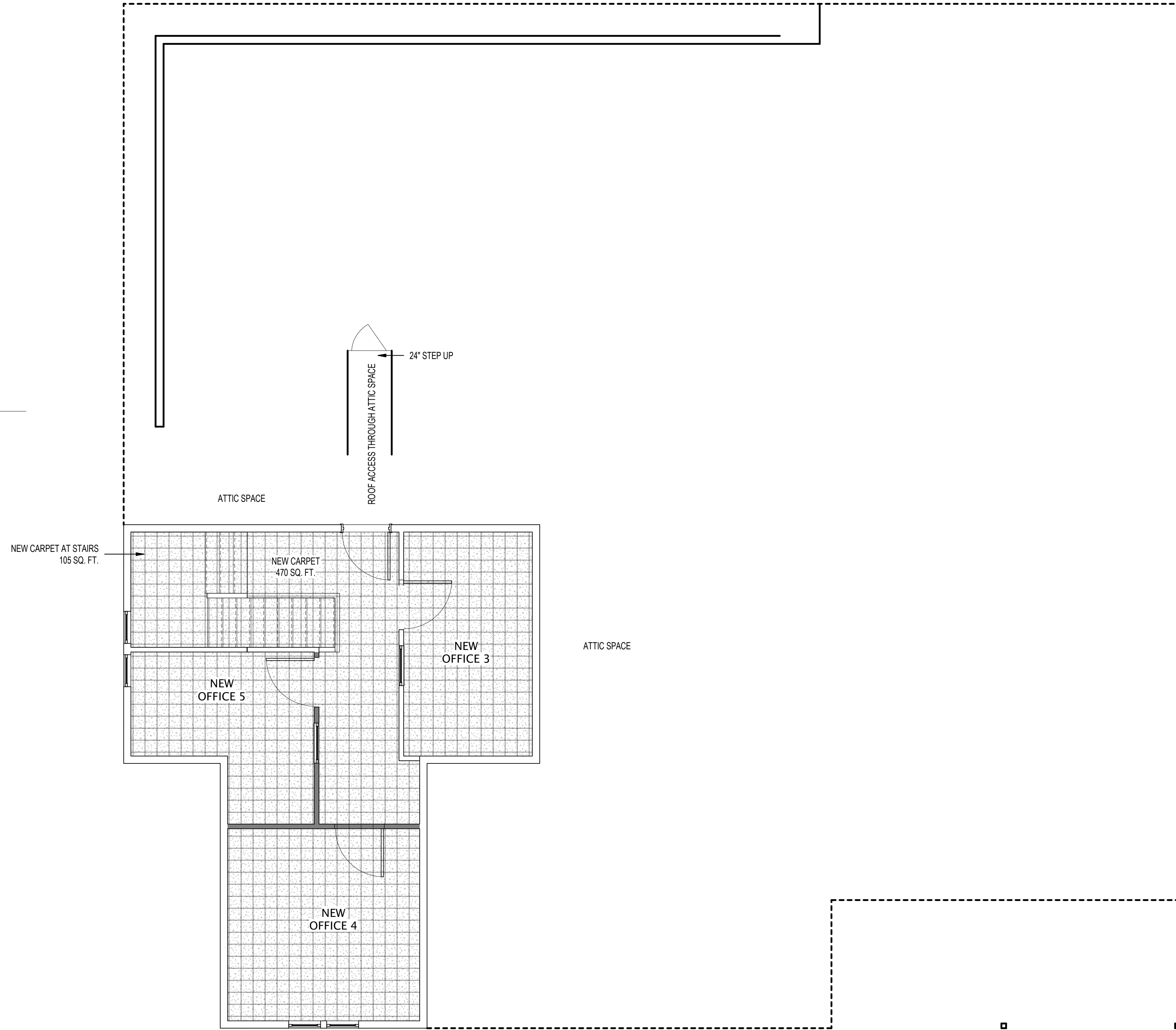
PAINT AND STAIN

PT-1:

Location: General
Mfg: Benjamin Moore
Color: HC-81 Manchester Tan
*Finish: Walls: Satin

*All paints 0% VOC

ROOM NAME	WALLS FINISH				FLOOR	CEILING	CASEWORK	COMMENTS
	NORTH	EAST	SOUTH	WEST				
Level 01 floor								
AUTOPSY ROOM	PT1, GWB, FAF BASE	PLAM, GWB, FAF BASE	PLAM, GWB, FAF BASE	PLAM, GWB, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	NO	
BREAK ROOM	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	LVT	ACT	YES	
CORRIDOR	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	NO	
LAB	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	YES	
LAUNDRY/LOCKER ROOM	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	PT1, GWB, FAF BASE	FLUID APPLIED FLOORING WITH BASE	ACT	NO	
NEW OFFICE 1	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	CARPET	ACT	NO	
NEW OFFICE 2	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	CARPET	ACT	NO	
RESTROOM A	PLAM, PT1, GWB, BASE	PLAM, PT1, GWB, BASE	PLAM, PT1, GWB, BASE	PLAM, PT1, GWB, BASE	LVT WITH 6" RUBBER BASE	PAINTED GWB W/ ORANGE PEEL FINISH	YES	RELOCATE EXISTING LAV TO THIS RESTROOM
RESTROOM B	PLAM, PT1, GWB, FAF BASE	PLAM, PT1, GWB, FAF BASE	PLAM, PT1, GWB, FAF BASE	PLAM, PT1, GWB, FAF BASE	FLUID APPLIED FLOORING WITH BASE	PAINTED GWB W/ ORANGE PEEL FINISH	YES	RELOCATE EXISTING LAV TO THIS RESTROOM
STOR. A	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	LVT	PAINTED GWB W/ ORANGE PEEL FINISH	NO	
STOR. B	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	PT1, GWB, BASE	LVT	PAINTED GWB W/ ORANGE PEEL FINISH	NO	
Level 02 Second Floor								
NEW OFFICE 3	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	CARPET	PAINTED GWB W/ ORANGE PEEL FINISH	NO	
NEW OFFICE 4	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	CARPET	PAINTED GWB W/ ORANGE PEEL FINISH	NO	
NEW OFFICE 5	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	PT1, GWB, 4" RUBBER BASE	CARPET	PAINTED GWB W/ ORANGE PEEL FINISH	NO	
Grand total								



BID SET

Project name:
SKAGIT COUNTY MORGUE FACILITY REMODEL

Project: SCC-2020
Issue Date: 11/15/2021

Revisions		
No.	Date	Description

SECOND LEVEL FINISH PLAN

A108

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1 ADD ALT 1 SECOND LEVEL FINISH PLAN
1/4" = 1'-0"



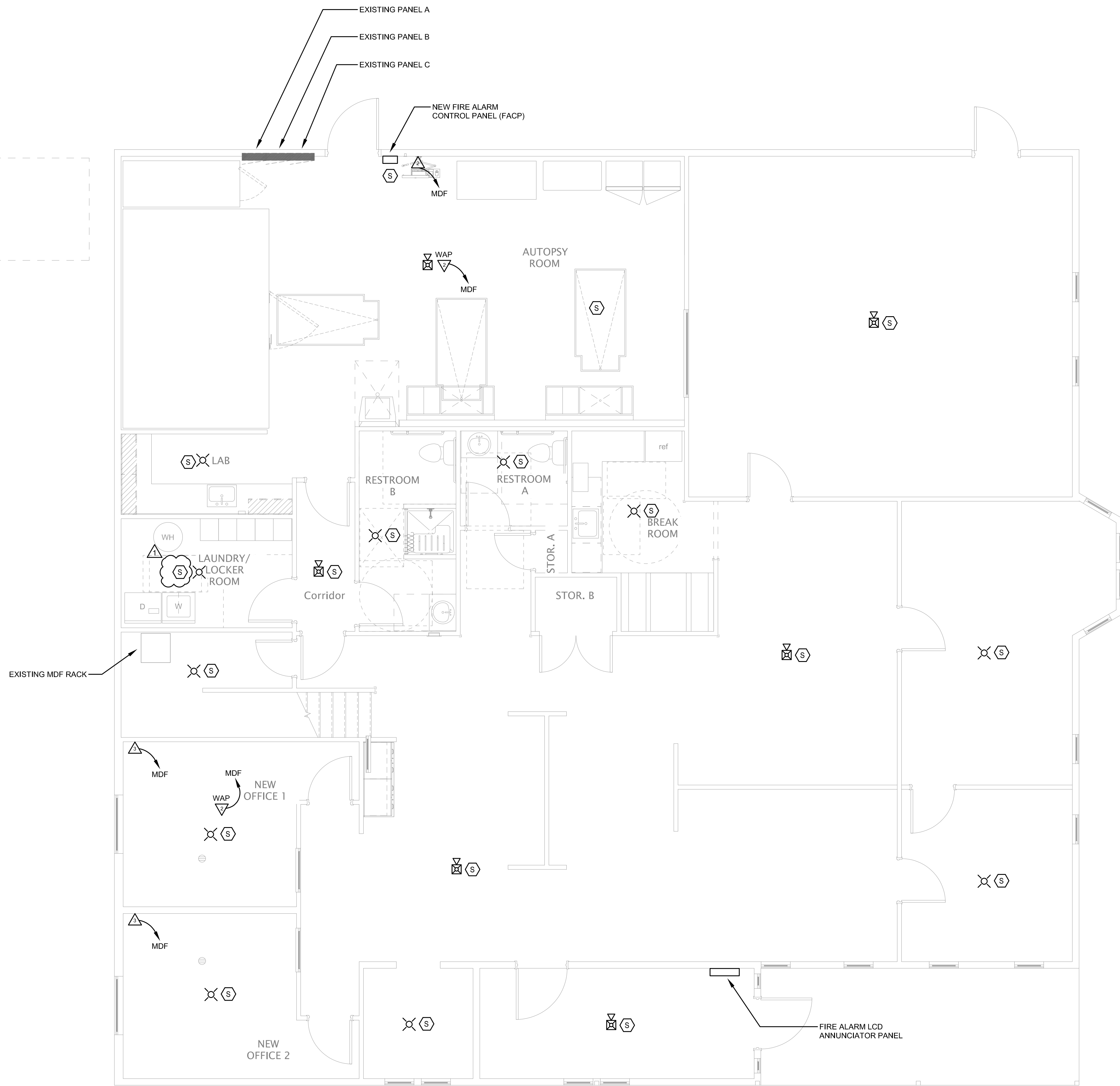
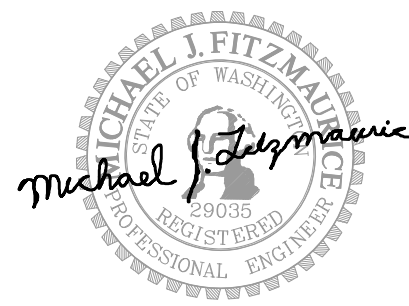
UNDERWOOD
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1005 4th Street
Anacortes, Washington 98221
360.588.0471



**Travis Fitzmaurice Wartelle
Balangu Engineers Inc.**
1200 Westlake Ave. N., #509
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p: 206-285-7228 | info@tfwb.com



Bid Set

Project name:
**SKAGIT
COUNTY
MORGUE**

Project: SCC-2020
Issue Date: 10/22/2021

Revisions		
No.	Date	Description
1	11/23/21	ADDENDUM #2

**MAIN LEVEL PLAN -
COMM, FIRE ALARM**

E4.1

1 MAIN LEVEL PLAN - COMM, FIRE ALARM
SCALE: 1/4" = 1'-0"

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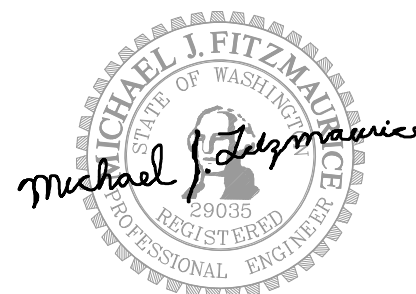
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PANEL SCHEDULES

E8.0

EXIST PANEL A
LOCATION AUTOPSY ROOM
MOUNTING SURFACE
AIC 10,000
FED FROM UTILITY BOX

VOLTS 208 /120
AMPS 225
MAIN CIRCUIT BREAKER
GROUND BUS

3 PHASE, 4 WIRE, WYE

CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA	CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA
1a	20/1	REC NEW OFC 3	0.18	2	60/3	EX WEST FURNACE RTU-1	15.00
1b	20/1*	REC NEW OFC 3	0.54				
3	20/1	EX TIME CLOCK EXT LTS	0.40	4			
5a	20/1	REC NEW OFC 5	0.18	6			
5b	20/1*	REC NEW OFC 5	0.54				
7a	20/1	SPARE	0.00	8	20/1	EX RECEPTS	0.90
7b	30/1	SPARE	0.00				
9	20/1	EX LAB RECEPTS	0.90	10	30/1	EX DATA ROOM EQUIP	0.50
11		SPACE ONLY	0.00	12	30/1	SPARE	0.00
13a	20/1	REC NEW OFC 4	0.18	14a	20/1	SPARE	0.00
13b	20/1*	REC NEW OFC 4	0.54	14b	20/1	MOBILE COOLER	0.70
15	20/1	UH-1	0.50	16a	20/1	SPARE	0.00
			0.00	16b	20/1	CP-1	0.07
17	15/1	EX ATTIC AND EAST CAMERA	0.74	18	20/1	REFER AUTOPSY	0.70
19	30/2*	COOLER	4.00	20	20/1	REFER AUTOPSY	0.70
21				22	20/1	EX LIGHTS	1.20
23	20/1*	HAND WASH SINK	0.40	24a	20/1	REC NEW OFC 1	0.18
				24b	20/1	REC NEW OFC 1	0.54
25		SPACE ONLY	0.00	26a	20/1	REC NEW OFC 2	0.18
				26b	20/1	REC NEW OFC 2	0.54
27	20/2*	AUTOPSY STATION	3.00	28	20/2	EX GARBAGE DISPOSAL	3.00
29				30		EX DISHWASHER	0.00
31	20/2*	FUTURE AUTOPSY STATION	3.00	32	20/1	EX MICROWAVE	0.00
33				34	20/2	EX KITCHEN EQUIP	3.00
35				36			
37	20/1	EX TIME CLOCK ROAD SIGN	0.40	38	20/2	EX COPIER	3.00
39a	20/1	LIGHTS	1.36	40			
39b	30/1	SPARE	0.00				

CONNECTED LOAD	KVA	DEMAND FACTOR	DEMAND LOAD	KVA	AMPS
LIGHTS	2.56	125%	3.20	8.87	
RECEPTACLES	5.94	100%	5.94	16.49	
HEATING	15.50	100%	15.50	43.02	
LARGEST MOTOR	0.00	125%	0.00	0.00	
OTHER MOTORS	0.07	100%	0.07	0.19	
MISCELLANEOUS	18.60	100%	18.60	51.63	
KITCH. APPLIANCES	4.40	100%	4.40	12.21	
	47.07		47.71	132.42	

* PROVIDE A NEW CIRCUIT BREAKER AS INDICATED

EXIST PANEL B
LOCATION AUTOPSY
MOUNTING SURFACE
AIC 10,000
FED FROM UTILITY BOX

VOLTS 208 /120
AMPS 225
MAIN CIRCUIT BREAKER
GROUND BUS

3 PHASE, 4 WIRE, WYE

CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA	CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA
1	50/3	EX EAST FURNACE RTU-2	13.00	2	20/1	EX BATHROOM	0.54
3				4	20/1	EX WEST RECEPTS	1.08
5				6	20/1	EX EAST RECEPTS	0.90
7	20/1	EX LTS UPSTAIRS	1.20	8	20/1	EX PANEL RM LTS	0.40
9	15/2	EX SPLIT HEAT	2.20	10	20/1	EX REAR HALL LTS	0.96
11				12	20/1	EX RECEPTS	0.36
13	100/3	EX PANEL C	16.41	14	30/2	EX ATTIC RECEPTS	4.00
15				16			
17				18	20/1	EX DATA RM RECEPTS	1.08
19	15/2*	CU-1/FCU-1	2.00	20	20/1	EX DATA RM RECEPTS	0.90
21				21	20/1	EX BACK LTS	0.60
23				22	20/1	EX BACK RECEPTS	0.54
25	15/2*	ERV-1	2.20	24	20/1	SPACE ONLY	0.00
27				26			
29				28	30/1?	EX STORAGE RECEPTS	2.00
31	20/2	EX UPSTAIRS 220V, UNUSED	0.00	30	20/1	SPARE	0.00
33				32	15/3*	DH-1	4.00
35	20/1	SPARE	0.00	34			
37	30/2	EX SPIDERBOX (UNUSED)	0.00	36			
39				38	100/2	EX JOB SHACK (UNUSED)	0.00
				40			

CONNECTED LOAD	KVA	DEMAND FACTOR	DEMAND LOAD	KVA	AMPS
LIGHTS	5.76	125%	7.20	19.99	
RECEPTACLES	12.42	100%	12.42	34.47	
HEATING	20.00	100%	20.00	55.51	
LARGEST MOTOR	0.00	125%	0.00	0.00	
OTHER MOTORS	4.89	100%	4.89	13.57	
MISCELLANEOUS	8.20	100%	8.20	22.76	
KITCH. APPLIANCES	3.10	100%	3.10	8.60	
	54.37		55.81	154.91	

* PROVIDE A NEW CIRCUIT BREAKER AS INDICATED



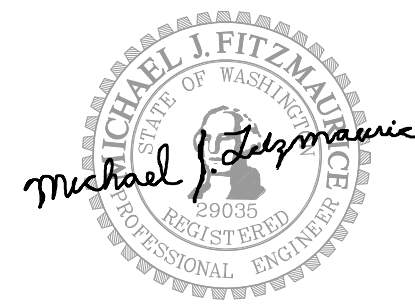
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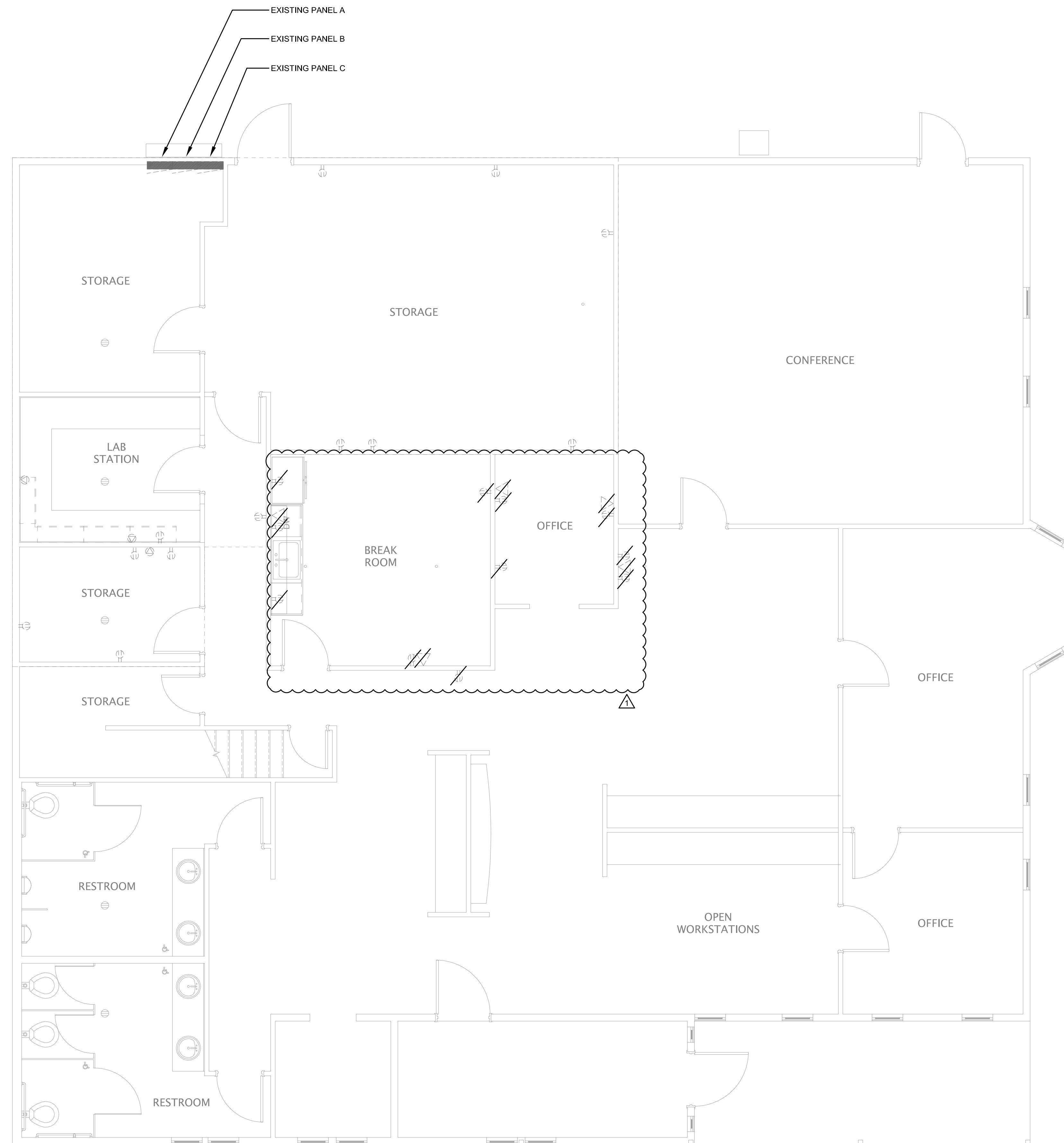
Travis Fitzmaurice Wartelle
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1200 Westlake Ave. N., #509
Seattle, WA 98109

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GENERAL NOTES:

1. DEMOLISH EXISTING ELECTRICAL DEVICES ON WALLS TO BE DEMOLISHED. SEE ARCHITECTURAL. COORDINATE ANY ITEMS THAT NEED TO BE PROTECTED/RE-CIRCUITED.



Bid Set

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SKAGIT COUNTY MORGUE

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MAIN LEVEL DEMOLITION PLAN - ELECTRICAL

ED1.1

1 MAIN LEVEL DEMOLITION PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"

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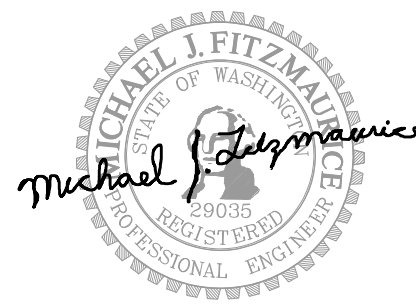
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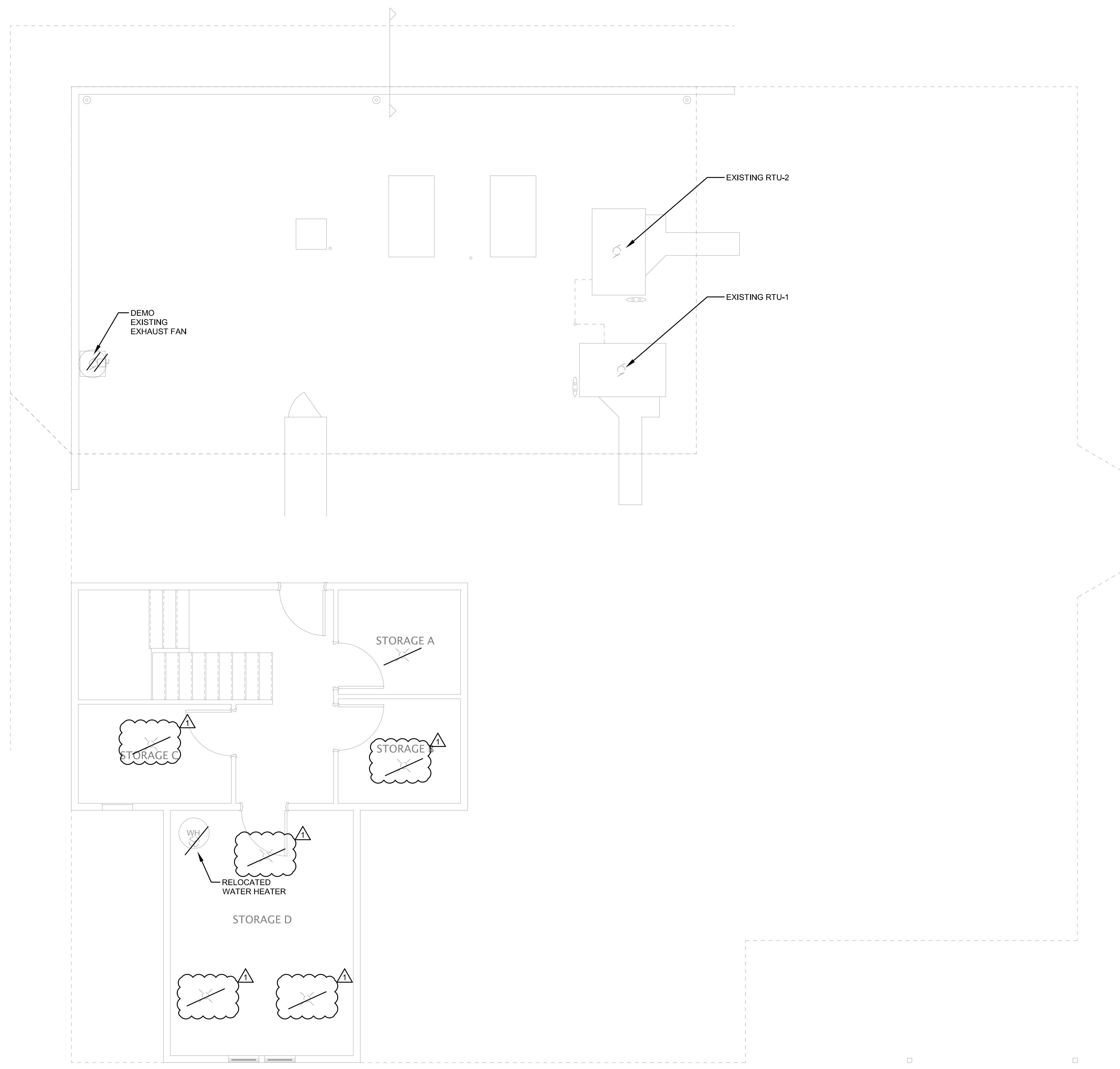
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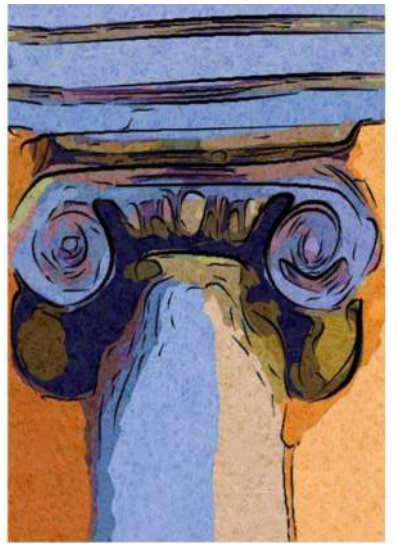
Project: SCC-2020
Issue Date: 10/22/2021

Revisions		
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1	11/23/21	ADDENDUM #2

UPPER LEVEL DEMOLITION PLAN - ELECTRICAL

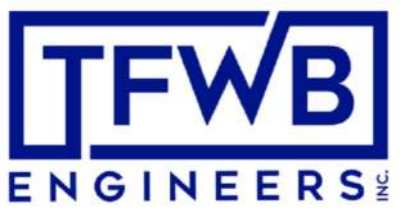
ED1.2

1 UPPER LEVEL DEMOLITION PLAN - ELECTRICAL
SCALE: 1/4" = 1'-0"



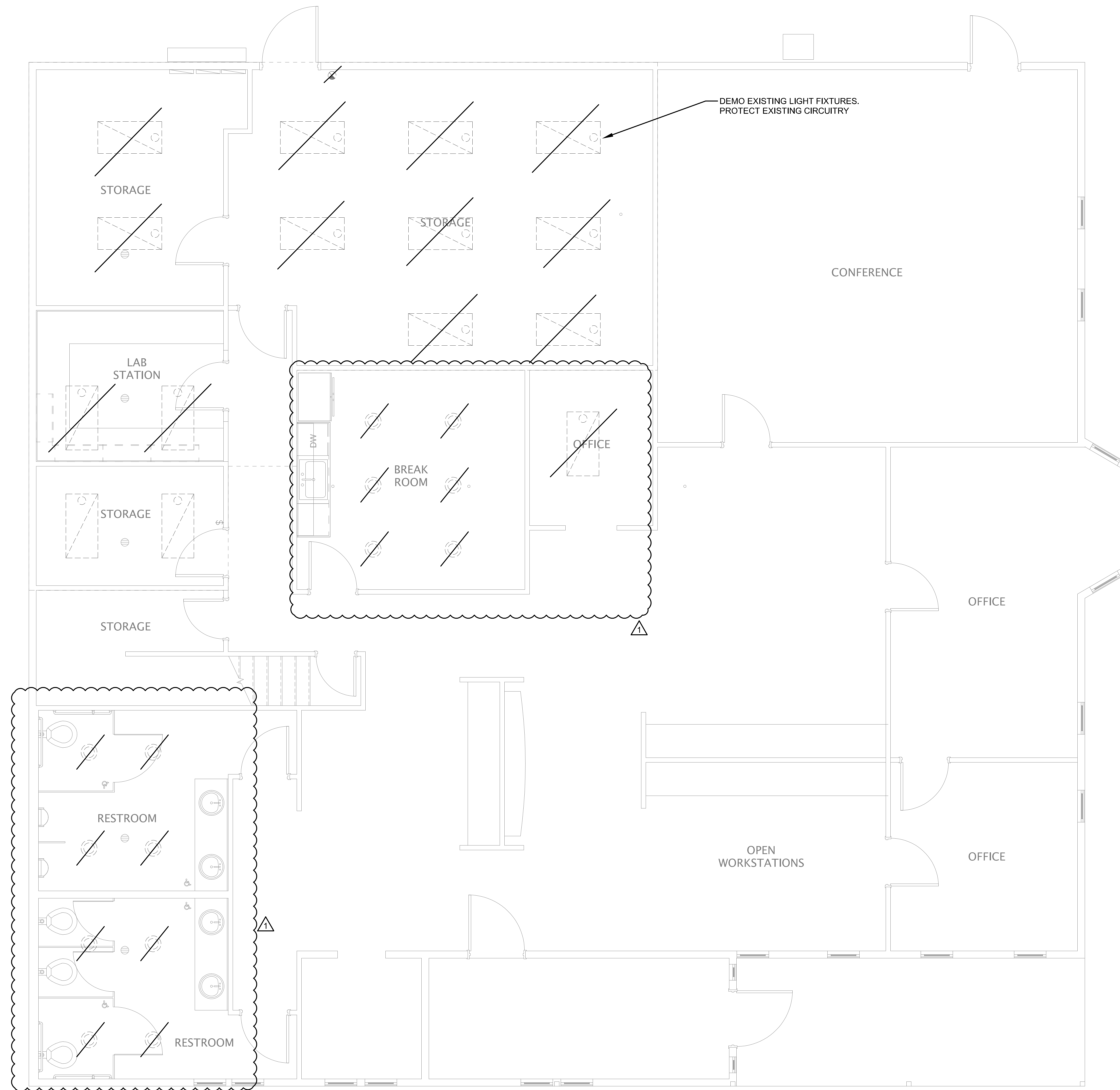
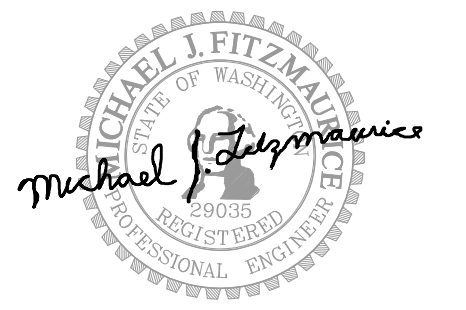
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MAIN LEVEL PLAN - DEMO LIGHTING

1 MAIN LEVEL PLAN - DEMO LIGHTING
SCALE: 1/4" = 1'-0"

ED2.1



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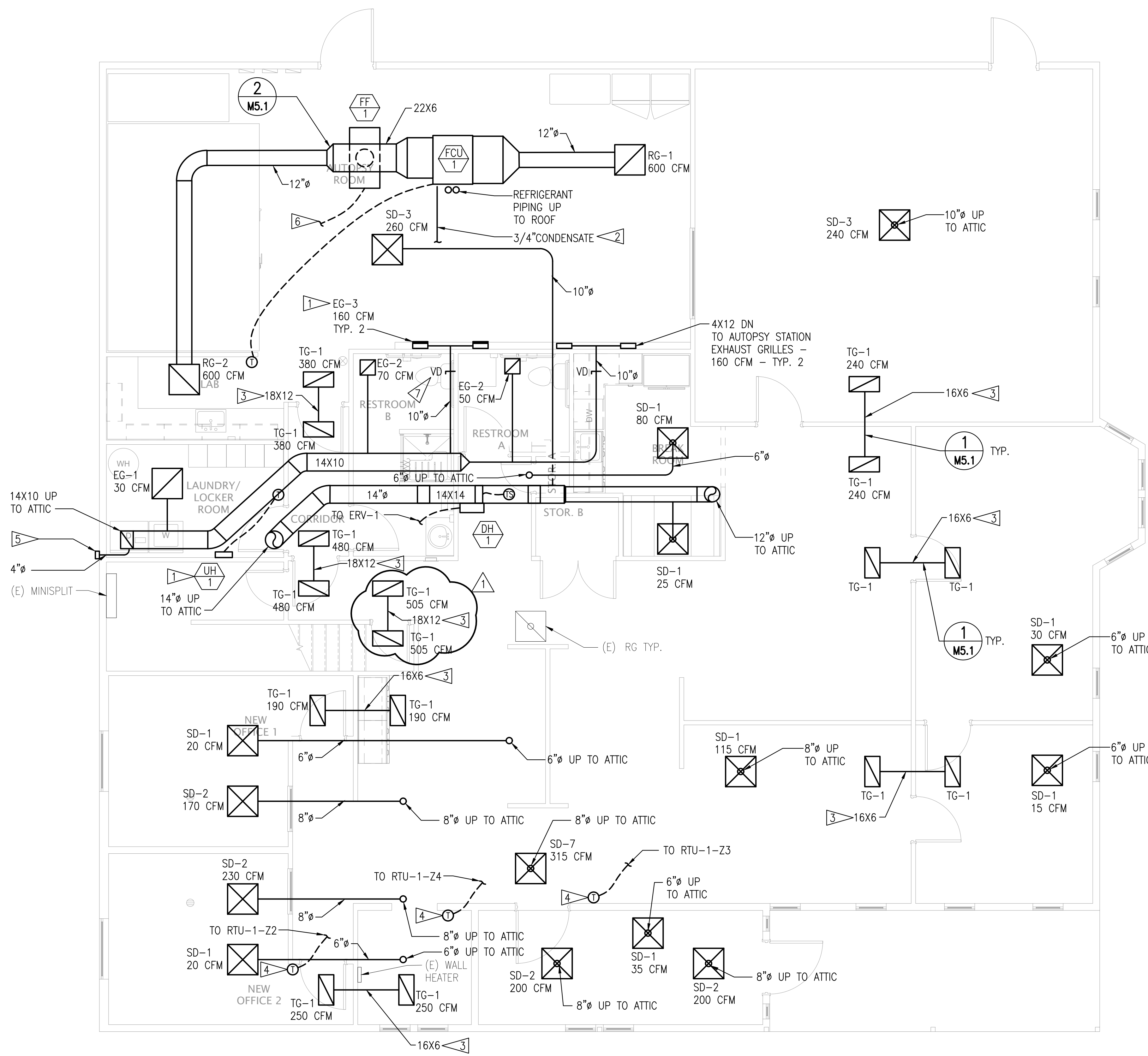


CONSTRUCTION NOTES

1. ALL DIFFUSERS ASSOCIATED WITH RTU-2 ARE TO REMAIN AS-IS.

CONSTRUCTION NOTES

- 1 INSTALL 6" AFF.
- 2 PIPE CONDENSATE TO BACK OF SERVICE STATION.
- 3 INSTALL 1" DUCT LINER IN TRANSFER DUCT
- 4 REINSTALL THERMOSTAT AND RECONNECT TO ZONE DAMPER AS SHOWN.
- 5 INSTALL DRYER VENT FAMCO MODEL DWV4 OR EQUAL 12" AFF.
- 6 TO LIGHT SWITCH.
- 7 PROVIDE 12X12 ACCESS PANEL



1 MAIN LEVEL HVAC PLAN
SCALE: 1/4"=1'-0"

PERMIT SET

Project name:
SKAGIT COUNTY MORGUE

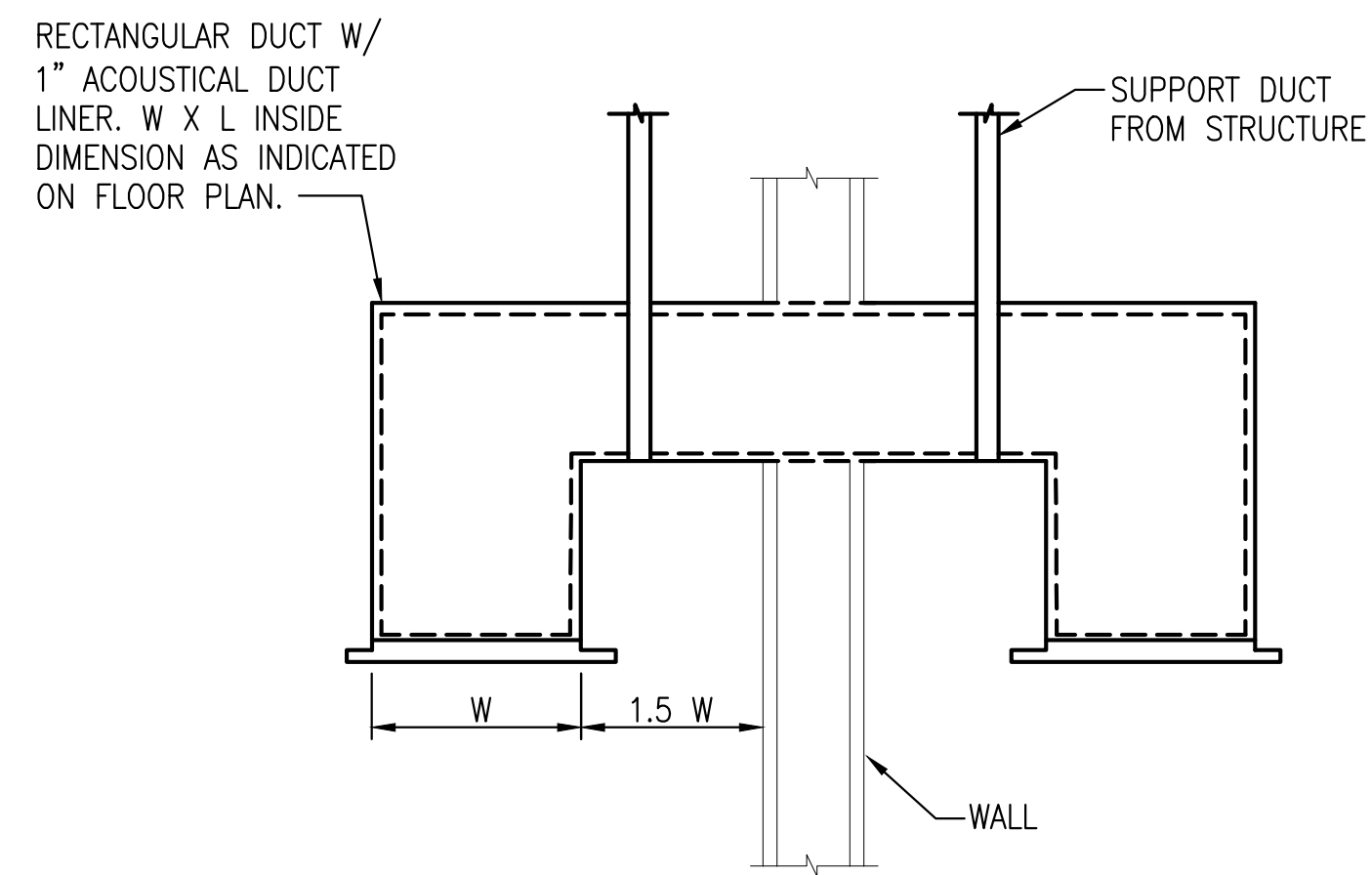
Project: SCC-2020
Issue Date: 10/01/2021

Revisions		
No.	Date	Description
1	11/22/21	REV 1

MAIN LEVEL HVAC PLAN

M1.1

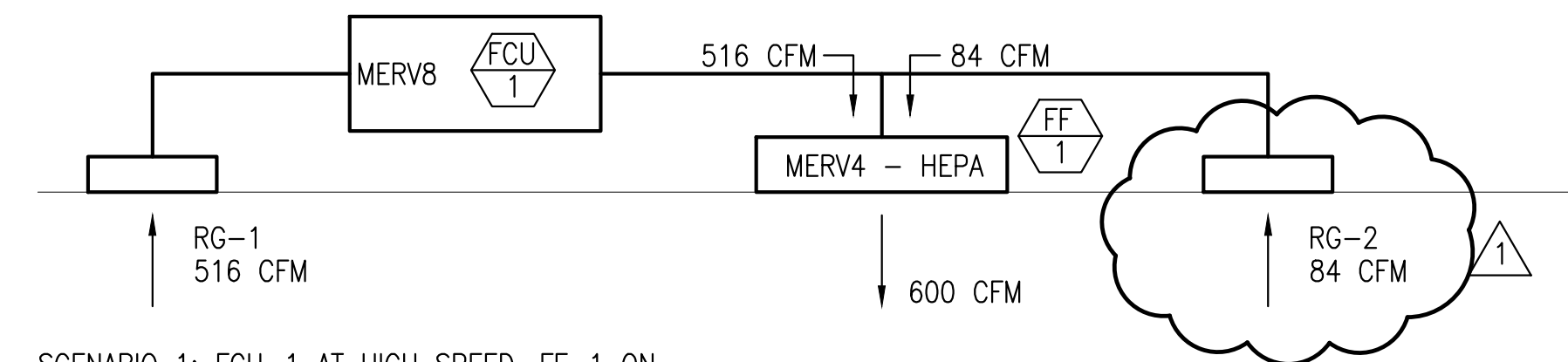
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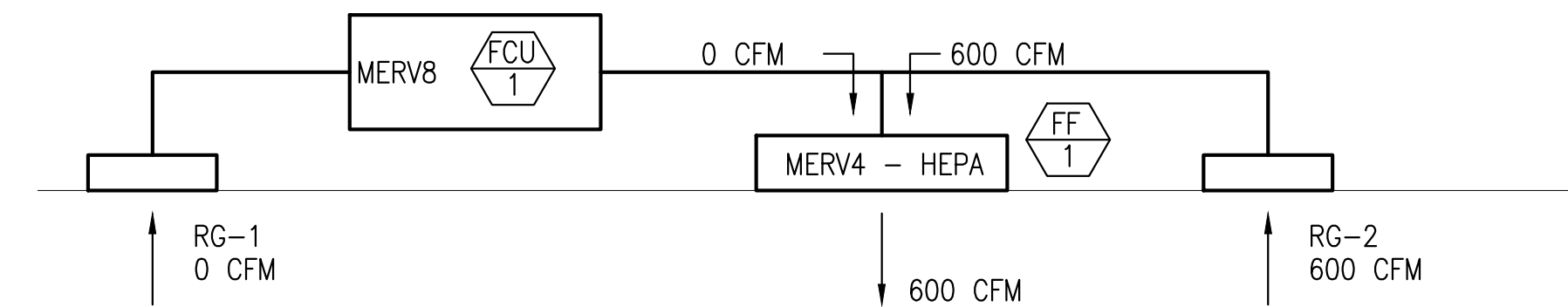
TRANSFER GRILLE DETAIL

SCALE: NONE

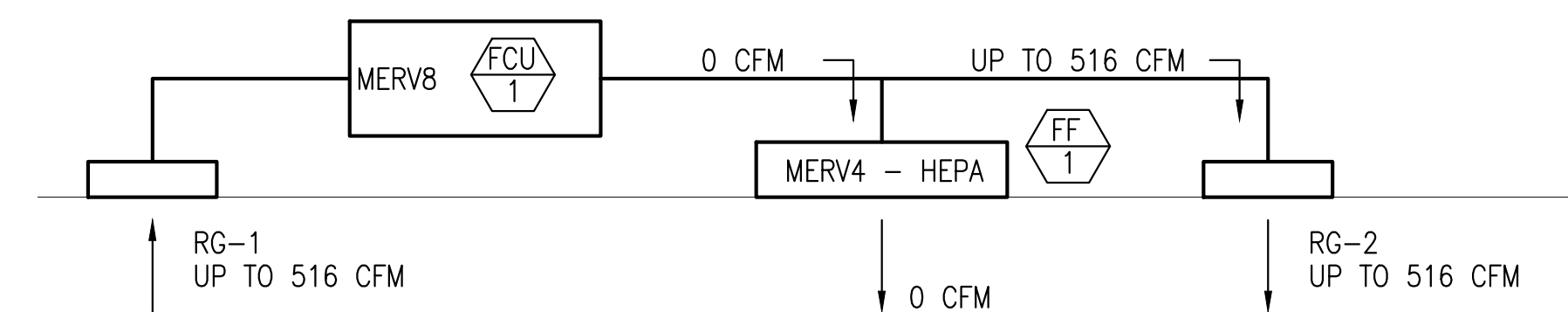
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SCENARIO 1: FCU-1 AT HIGH SPEED, FF-1 ON



SCENARIO 2: FCU-1 OFF, FF-1 ON

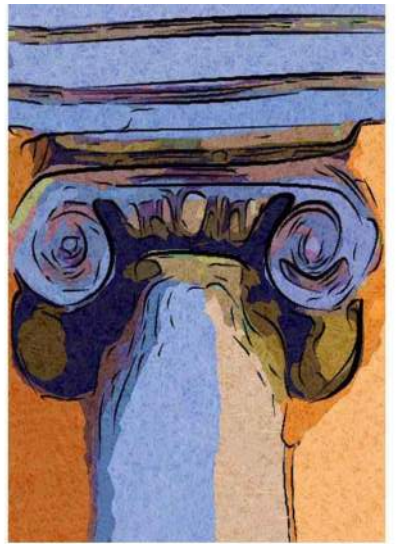


SCENARIO 3: FCU-1 RUNNING, FF-1 OFF

AUTOPSY ROOM AIRFLOW DIAGRAMS

SCALE: NONE

2



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MORGUE**

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Revisions		
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1	11/22/21	REV 1

HVAC
DETAILS

M5.1

11/21/2021 9:05:54 AM

AIR TERMINAL SCHEDULE

CALLOUT	AIR TERMINAL DESCRIPTION	AIRFLOW (CFM)	NOMINAL SIZE		NECK DIMENSIONS			MAX TSP DROP (IN. W.G.)	MATERIAL	OBD	FINISH	BASIS OF DESIGN		NOTES	
			LENGTH	WIDTH	DIAMETER	FOR RECTANGULAR						MAX NC	MANUFACTURER		MODEL
						LENGTH	WIDTH								
TG-1	CEILING-MOUNTED EGGRATE TRANSFER GRILLE	UP TO 505	24"	12"	-	22"	10"	<10	ALUMINUM BORDER AND CORE	NO	#26 WHITE	TITUS	50F		
TG-2	CEILING-MOUNTED EGGRATE TRANSFER GRILLE	UP TO 150	12"	8"	-	12"	8"	<10	ALUMINUM BORDER AND CORE	NO	#26 WHITE	TITUS	50F		
RG-1	CEILING-MOUNTED EGGRATE RETURN GRILLE	515	24"	24"	-	14"	14"	<10	ALUMINUM BORDER AND CORE	NO	#26 WHITE	TITUS	50F		
RG-2	CEILING-MOUNTED EGGRATE RETURN GRILLE	600	24"	24"	-	14"	14"	20	STEEL	NO	#26 WHITE	TITUS	MCD		
EG-1	CEILING-MOUNTED EGGRATE EXHAUST GRILLE	30	24"	24"	-	6"	6"	<10	ALUMINUM BORDER AND CORE	NO	#26 WHITE	TITUS	50F		
EG-2	CEILING-MOUNTED EXHAUST GRILLE	70	6"	6"	-	6"	6"	<10	ALUMINUM	YES	#26 WHITE	TITUS	350FL		
EG-3	WALL-MOUNTED EXHAUST GRILLE	160	10"	6"	-	10"	6"	<10	ALUMINUM	NO	#26 WHITE	TITUS	350FL		
SD-1	CEILING-MOUNTED SUPPLY DIFFUSER	15-115	24"	24"	6"φ	-	-	<10	STEEL	NO	#26 WHITE	TITUS	TMS		
SD-2	CEILING-MOUNTED SUPPLY DIFFUSER	170-230	24"	24"	8"φ	-	-	15	STEEL	NO	#26 WHITE	TITUS	TMS		
SD-3	CEILING-MOUNTED SUPPLY DIFFUSER	300	24"	24"	-	10"	10"	15	STEEL	NO	#26 WHITE	TITUS	MCD		
SD-4	CEILING-MOUNTED SUPPLY DIFFUSER	600	24"	24"	-	14"	14"	20	STEEL	NO	#26 WHITE	TITUS	MCD		
SD-5	CEILING-MOUNTED SUPPLY DIFFUSER	15-35	6"	6"	-	6"	6"	<10	STEEL	NO	#26 WHITE	TITUS	MCD		
SD-6	CEILING-MOUNTED SUPPLY DIFFUSER	100-220	8"	8"	-	8"	8"	12	STEEL	NO	#26 WHITE	TITUS	MCD		
SD-7	CEILING-MOUNTED SUPPLY DIFFUSER	315	24"	24"	10"φ	-	-	14	STEEL	NO	#26 WHITE	TITUS	TMS		

ENERGY RECOVERY VENTILATOR SCHEDULE

CALLOUT	TYPE	MARK	LOCATION	SUPPLY [4]				EXHAUST [4]				WINTER		SUMMER		ELECTRICAL					BASIS OF DESIGN						
				CFM	E.S.P (IN WC) [1][2]	MOTOR		CFM	E.S.P (IN WC) [1][2]	MOTOR		OA	EA	TOTAL EFFECT. %	OA	EA	TOTAL EFFECT. %	W/CFM	V	HZ	φ	MCA	MOP	WEIGHT (LBS)	MFG	MODEL	NOTES
						HP	WATTS			HP	WATTS																
ERV	1		MECH./ELEC. RM	825	0.85	0.5	411	790	0.75	0.5	360	17	70	66.1	95	75	63.6	0.94	208	60	1	10.8	15	272	RENEWAIRE	HE-1X	[3][5][6][7]

- SCHEDULE NOTES:**
 [1] STATIC PRESSURE EXTERNAL TO UNIT
 [2] INCLUDES ALLOWANCE FOR FILTER LOADING
 [3] PROVIDE WITH MERV8 FILTERS ON BOTH AIRSTREAMS
 [4] PROVIDE WITH EC MOTOR
 [5] PROVIDE WITH LOW LEAKAGE MOTORIZED DAMPERS ON BOTH AIRSTREAMS.
 [6] PROVIDE WITH PREMIUM CONTROLS PACKAGE
 [7] HORIZONTAL ORIENTATION

DUCT HEATER SCHEDULE

CALLOUT	TYPE	MARK	LOCATION	SERVICE	CFM	CAPACITY (KW)	NO. STEPS OF CONTROLS	EAT (°F)	LAT (°F)	ELECTRICAL					BASIS OF DESIGN		
										V	HZ	φ	MCA	MOPD	MANUFACTURER	MODEL	NOTES
DH	1		PLENUM	ERV-1	825	4	SCR	52.5	67.8	208	60	3	13.88	15	RENEWAIRE	EK-1414	[1]

- SCHEDULE NOTES:**
 [1] PROVIDE WITH SCR CONTROLS, THERMOSTAT AND SENSOR

LOUVER SCHEDULE

CALLOUT	AIR TERMINAL DESCRIPTION	NOMINAL SIZE		MIN. FREE AREA (SF)	MAX TSP DROP (IN. W.G.)	DEPTH	MATERIAL	FINISH	BASIS OF DESIGN		
		LENGTH	WIDTH						MANUFACTURER	MODEL	NOTES
LV-1	STATIONARY LOUVER	24"	18"	1.27	0.06	6"	ALUMINUM	BY ARCH.	GREENHECK	ESD-635	[1]

- SCHEDULE NOTES:**
 [1] PROVIDE WITH INSECT SCREEN

SPLIT SYSTEM UNIT SCHEDULE

CALLOUT	TYPE	MARK	LOCATION	AREA SERVED	UNIT CONFIGURATION	ECON [7]	RATED UNIT EFFICIENCY [1]		INDOOR FAN		COOLING [4]				HEATING		FILTER	REFER TYPE	OPERATING WEIGHT (LBS)	ELECTRICAL [6]					BASIS OF DESIGN		
							SEER	EER	CFM	ESP (IN WC) [2] [3]	NOMINAL CAPACITY (TONS) [5]	TOTAL COOLING CAPACITY (BTUH)	SENSIBLE COOLING (BTUH)	HEATING CAPACITY (BTUH) @ 17°F	HSPF	V				HZ	φ	MCA	MFA	MANUFACTURER	MODEL	NOTES	
FCU	1		AUTOPSY RM	AUTOPSY RM / LAB	DUCTED	N	19.4	11.6	516	.6	1	14,400	11,690	11,500	10.3	MERV8	R410A	64	208-230	60	1	9.7	15	DAIKIN	FDMQ15RVJU	[8]	
CU	1		ROOF	AUTOPSY RM / LAB	-	N	19.4	11.6	-	-	1	14,400	11,690	11,500	10.3	-	R410A	60						DAIKIN	RX15RMWJUA		

- SCHEDULE NOTES:**
 [1] TEST PROCEDURE: AHRI 210/240 OR AHRI 340/360
 [2] STATIC PRESSURE EXTERNAL TO UNIT
 [3] INCLUDES ALLOWANCE FOR FILTER LOADING
 [4] AT 95 DEG F OUTDOOR AIR DRYBULB TEMPERATURE
 [5] NOMINAL TONNAGE INCLUDED FOR REFERENCE ONLY - DO NOT USE FOR FINAL SIZING OF EQUIPMENT
 [6] POWER CONNECTION TO BE MADE TO CONDENSING UNIT WITH CONDUIT AND POWER CONNECTED TO INDOOR UNIT FROM OUTDOOR UNIT
 [7] NO ECONOMIZER REQUIRED PER 2018 WSEC SECTION C503.4.2 EXCEPTION 1.
 [8] PROVIDE WITH 7-DAY PROGRAMMABLE, NIGHT SETBACK THERMOSTAT- DAIKIN MODEL BRC1E73 OR EQUAL

WALL HEATER SCHEDULE

CALLOUT	TYPE	MARK	LOCATION	SERVICE	CFM	CAPACITY (KW)	NO. STEPS OF CONTROLS	ELECTRICAL			BASIS OF DESIGN		
								V	HZ	φ	MANUFACTURER	MODEL	NOTES
UH	1		STAFF LOCKER	STAFF LOCKER	75	.5	1	120	60	1	KING ELECTRIC	PAW1215-W	[1]

- SCHEDULE NOTES:**
 [1] PROVIDE WITH 7-DAY PROGRAMMABLE, NIGHT SETBACK THERMOSTAT

FAN FILTER DIFFUSER SCHEDULE

CALLOUT	TYPE	MARK	LOCATION	SERVICE	FILTRATION		DIMENSIONS		FAN					MAX SOUND LEVEL (dBA)	WEIGHT (LBS)	BASIS OF DESIGN				
					PRE FILTER	FINAL FILTER	NOMINAL UNIT SIZE	NECK SIZE	CFM	DRIVE TYPE [1]	INITIAL FILTER RESISTANCE (IN WC) [1]	ELECTRICAL				MANUFACTURER	MODEL	NOTES		
												V	HZ						φ	AMPS
FF	1		AUTOPSY RM	AUTOPSY RM	MERV4	HEPA	48"x24"	14"φ	600	DIRECT	0.60	208	60	1	3.4	50	90	NAILOR	92FDD	[2]

- SCHEDULE NOTES:**
 [1] PROVIDE WITH EC MOTOR
 [2] PROVIDE WITH MANUFACTURER PROVIDED DIGITAL SPEED / AIRFLOW CONTROLLER



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PERMIT SET

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Revisions		
No.	Date	Description
1	11/22/21	REV 1

HVAC SCHEDULES

M6.1

11/21/2021 9:12:00 AM

GENERAL NOTES

1. CONTRACTOR TO FIELD EXISTING VERIFY PIPE INVERT AND COORDINATE WITH ARCHITECT AND ENGINEER PRIOR TO PERFORMING ANY UNDERGROUND PLUMBING WORK.

CONSTRUCTION NOTES

▷ TO TRAP PRIMER

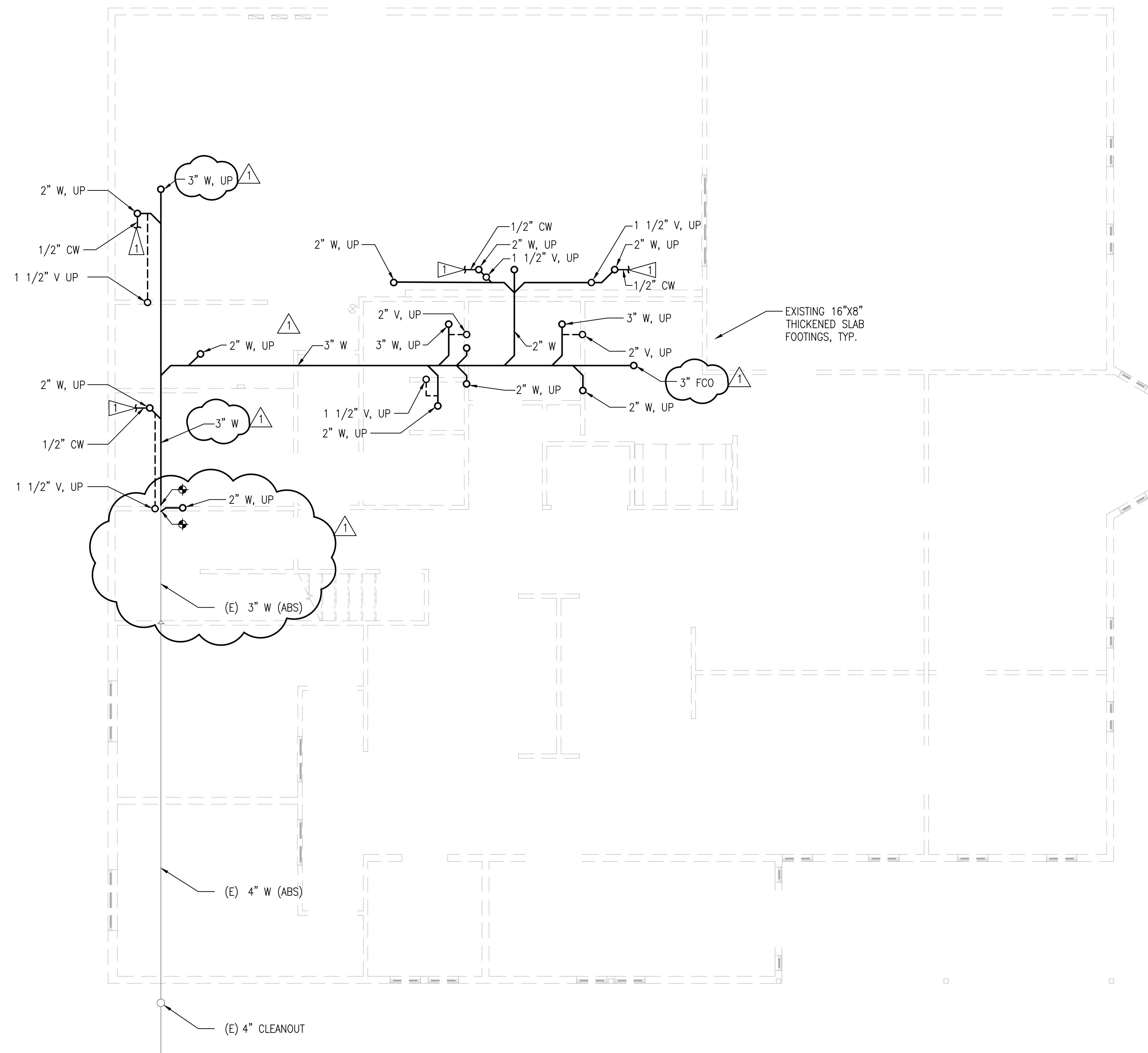


UNDERWOOD
ASSOCIATES, LLC

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Anacortes, Washington 98221
360.588.0471



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1 UNDERGROUND PLUMBING PLAN
SCALE: 1/4"=1'-0"

PERMIT SET

Project name:
SKAGIT COUNTY MORGUE

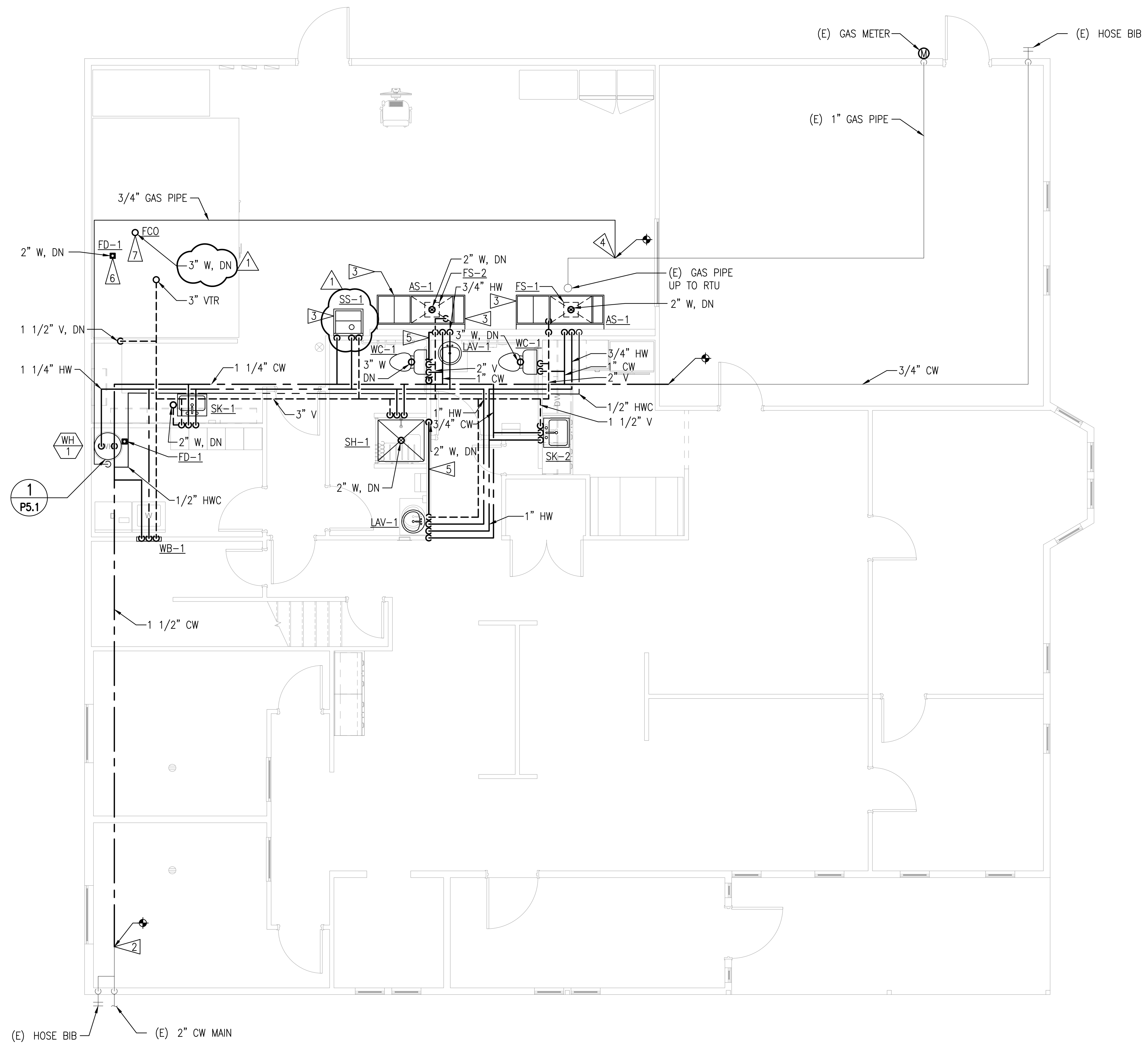
Project: SCC-2020
Issue Date: 10/01/2021

Revisions		
No.	Date	Description
1	11/22/21	REV 1

UNDERGROUND PLUMBING PLAN

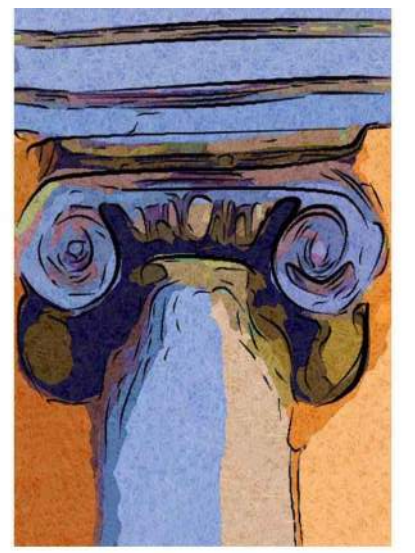
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CONSTRUCTION NOTES

- 1 NOT USED
- 2 CONNECT TO MAIN CW SUPPLY.
- 3 SERVICE STATION SS-1 AND AUTOPSY STATIONS AS-1 TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.
- 4 CONNECT WATER HEATER TO NEAREST (E) GAS MAIN.
- 5 RUN WASTE PIPE IN WALL
- 6 COORDINATE FLOOR DRAIN LOCATION WITH OWNER.
- 7 COORDINATE CLEANOUT LOCATION WITH OWNER.



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MAIN LEVEL PLUMBING PLAN

P1.1

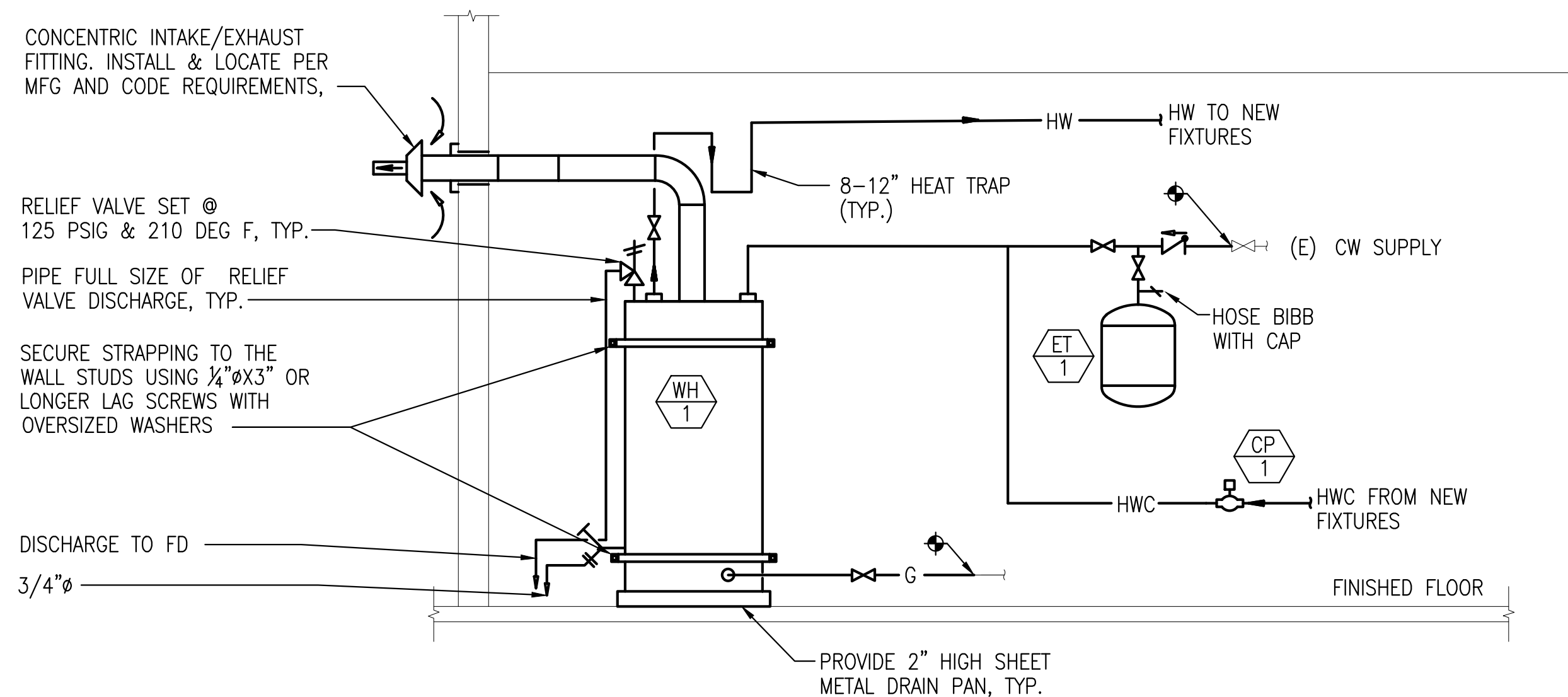
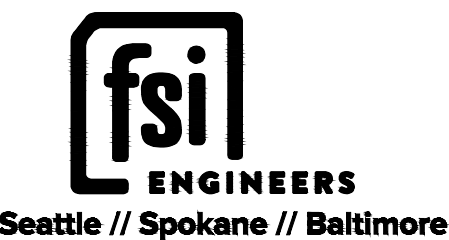
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1 MAIN LEVEL PLUMBING PLAN
 SCALE: 1/4"=1'-0"



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TANK STYLE DOMESTIC HOT WATER DETAIL
SCALE: NONE

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE DESCRIPTION	BRANCH PIPE SIZE - INCHES DIA.				ADDITIONAL COMPONENTS	BASIS OF DESIGN		REMARKS
		COLD WATER	HOT WATER	WASTE	VENT		MANUFACTURER	MODEL	
LAV-1	LAVATORY	1/2"	1/2"	1 1/2"	1 1/4"	POINT OF USE THERMOSTATIC MIXING VALVES POWERS MODEL LFe480 OR EQUAL. SET LWT TO 105°F			REUSE EXISTING LAVATORY AND FAUCET
SK-1	SINGLE COMPARTMENT LAB SINK	1/2"	1/2"	2"	1 1/2"	FAUCET: CHICAGO FAUCETS 201-AG8BVBE3M317AB (2.2 GPM) DRAIN: ELKAY #LK-99 (WITH REMOVABLE STRAINER BASKET)	ELKAY	LRAD191855	
SK-2	KITCHEN SINK	1/2"	1/2"	2"	1 1/2"				REUSE EXISTING SINK AND FAUCET
WC-1	FLOOR-MOUNTED WATER CLOSET (FLUSH TANK)	1/2"	-	3"	2"	SEAT: OLSONITE #95	KOHLER	#K-3999-RA	1.28 GPF, ADA HEIGHT, RIGHT HAND FLUSH LEVER
SH-1	INDIVIDUAL SHOWER STALL (ADA COMPLIANT)	1/2"	1/2"	2"	1 1/2"	36" CHROME CURTAIN ROD	MAAX	OPS-3636	COMPLETE ACCESSIBILITY PACKAGE SHOWER
FD-1	FLOOR DRAIN	-	-	2"	1 1/2"	ROUND NICKEL-BRONZE STRAINER	JAY R. SMITH	2005Y	PROVIDE WITH TRAP PRIMER
WB-1	WASHER WALL BOX	1/2"	1/2"	2"	1 1/2"		GATEY	28532	
SS-1	SERVICE STATION	3/4"	3/4"	2"	1 1/2"	SET LWT TO 80°F	JUST MANUFACTURING COMPANY	JPH-ADA-2224-CT	PROVIDED BY OWNER, INSTALLED BY CONTRACTOR WITH EMERGENCY EYEWASH AND FITTINGS PACKAGE ADA COMPLIANT
AS-1	AUTOPSY STATION	3/4"	3/4"	2"	-		SALAM	90-0320	PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. INDIRECT WASTE
FS-1	FLOOR SINK	-	-	2"	1 1/2"	PROVIDE WITH 1/2 GRATE	ZURN	Z1750	PROVIDE WITH TRAP PRIMER
FS-2	FLOOR SINK	-	-	2"	1 1/2"	PROVIDE WITH 1/2 GRATE AND SOLID COVER - INSTALL SOLID COVER. HAND OVER 1/2 GRATE TO OWNER FOR FUTURE INSTALLATION.	ZURN	Z1750	PROVIDE WITH TRAP PRIMER

WATER HEATER SCHEDULE

CALLOUT		LOCATION	TYPE [1]	CAPACITY (GAL)	SERVICE CONDITIONS		RECOVERY CONDITIONS		ELECTRICAL	GAS		RATED WATER HEATER EFFICIENCY [2] [3]	BASIS OF DESIGN		NOTES
TYPE	MARK				EWT (DEG F)	LWT (DEG F)	CAPACITY (GPH)	WATER TEMP RISE (DEG F)		CAPACITY (MBH)	INLET PRESSURE (IN W.C.)		MANUFACTURER	MODEL	
WH	1	LOCKER ROOM	ST	50	50	120	51	70	NO ELECTRICAL POWER NEEDED	47	5-14	0.65 EF	AO SMITH	GVDT-50	[4]

- SCHEDULE NOTES:
 [1] ST = STORAGE; INS = INSTANTANEOUS
 [2] WATER HEATER IS COMPLIANT WITH TABLE C404.2 OF THE 2018 WASHINGTON STATE ENERGY CODE
 [3] EF=ENERGY FACTOR
 [4] SUPPLY WITH CONCENTRIC VENT KIT & CONDENSATE NEUTRALIZATION KIT

EXPANSION TANK SCHEDULE

CALLOUT		LOCATION	VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	DIMENSIONS		ASSUMED CW FILL TEMP (DEG F)	OCCUPIED AMBIENT TEMP (DEG F)	EXTREME TEMP (DEG F) [1]	OPERATING TEMP RANGE (DEG F) [2]	OPERATING PRESSURE RANGE (PSIG)	OPERATING WEIGHT (LBS)	BASIS OF DESIGN		NOTES
TYPE	MARK				DIAMETER (IN)	HEIGHT (IN)							MANUFACTURER	MODEL	
ET	1	LOCKER RM	3.5	2.3	10	14	50	75	120	70	20	22	BELL & GOSSET	PTA-5	

- SCHEDULE NOTES:
 [1] HIGHEST TEMP FOR HEATING SYSTEMS, LOWEST TEMP FOR COOLING SYSTEMS.
 [2] DIFFERENCE BETWEEN (CW FILL TEMP AND EXTREME TEMP) FOR HEATING SYSTEMS, DIFFERENCE BETWEEN (OCCUPIED AMBIENT TEMP AND EXTREME TEMP) FOR COOLING SYSTEMS.

PUMP SCHEDULE

CALLOUT		LOCATION	SERVICE	PUMP					FLUID TEMP (DEG F)	MOTOR			ELECTRICAL			BASIS OF DESIGN		NOTES
TYPE	MARK			TYPE	SPEED	RPM	FLOW (GPM)	TOTAL HEAD (FT)		SPEED	HP	FLA	V	HZ	φ	MANUFACTURER	MODEL	
CP	1	LOCKER ROOM	HWC	INLINE	CONSTANT	3250	1	4	120	1160	1/40	.53	115	60	1	TACO	003-B4	

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PLUMBING SCHEDULES & DETAILS

P5.1

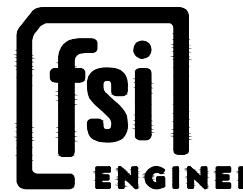
DEMOLITION NOTES

1 REMOVE EXISTING WASTE PIPE, FITTINGS, AND APPURTENANCES IN HATCHED AREA.

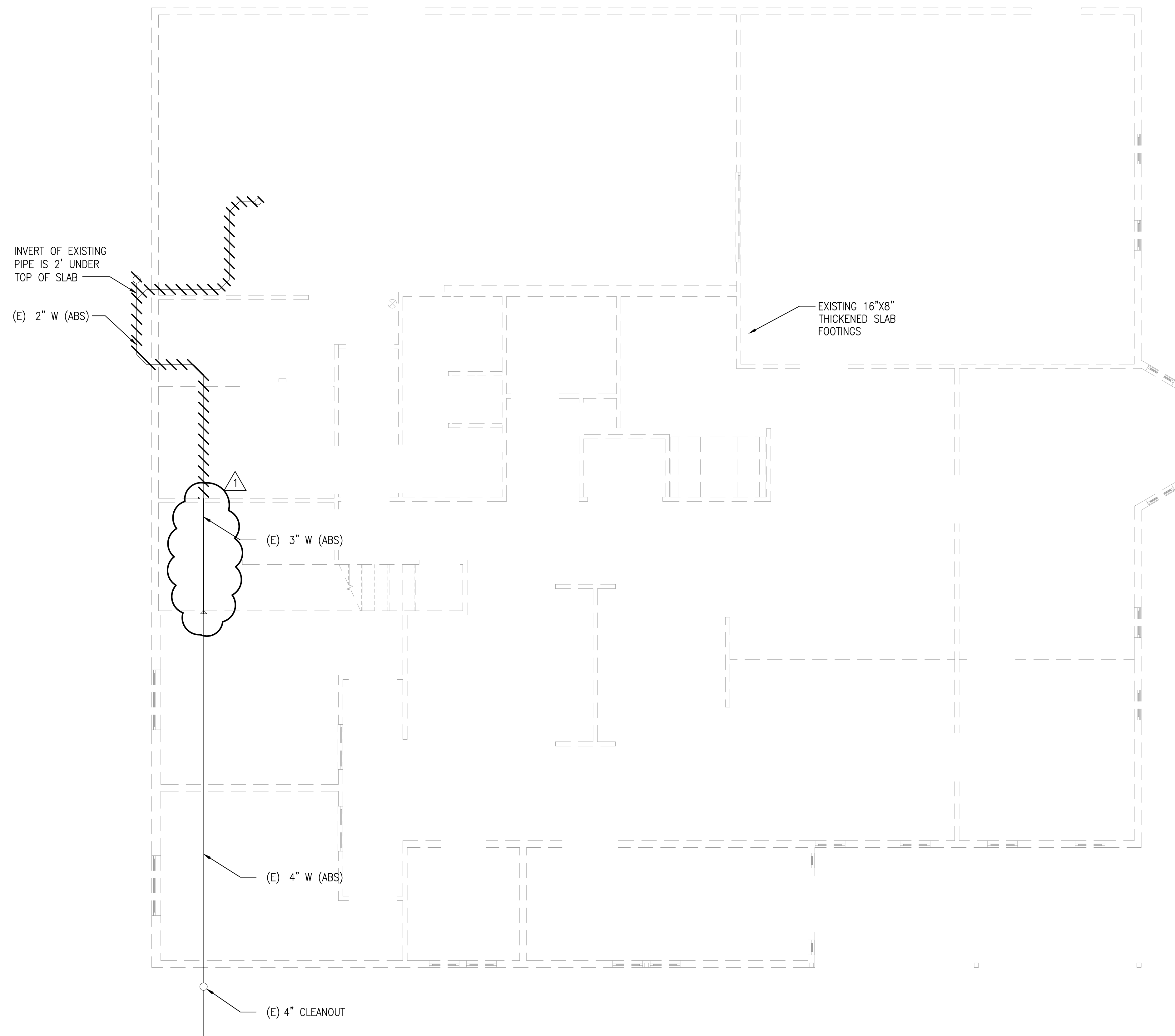


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**UNDERGROUND
PLUMBING
DEMO PLAN**

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11/21/2021 9:43:53 AM

1 UNDERGROUND PLUMBING PLAN
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