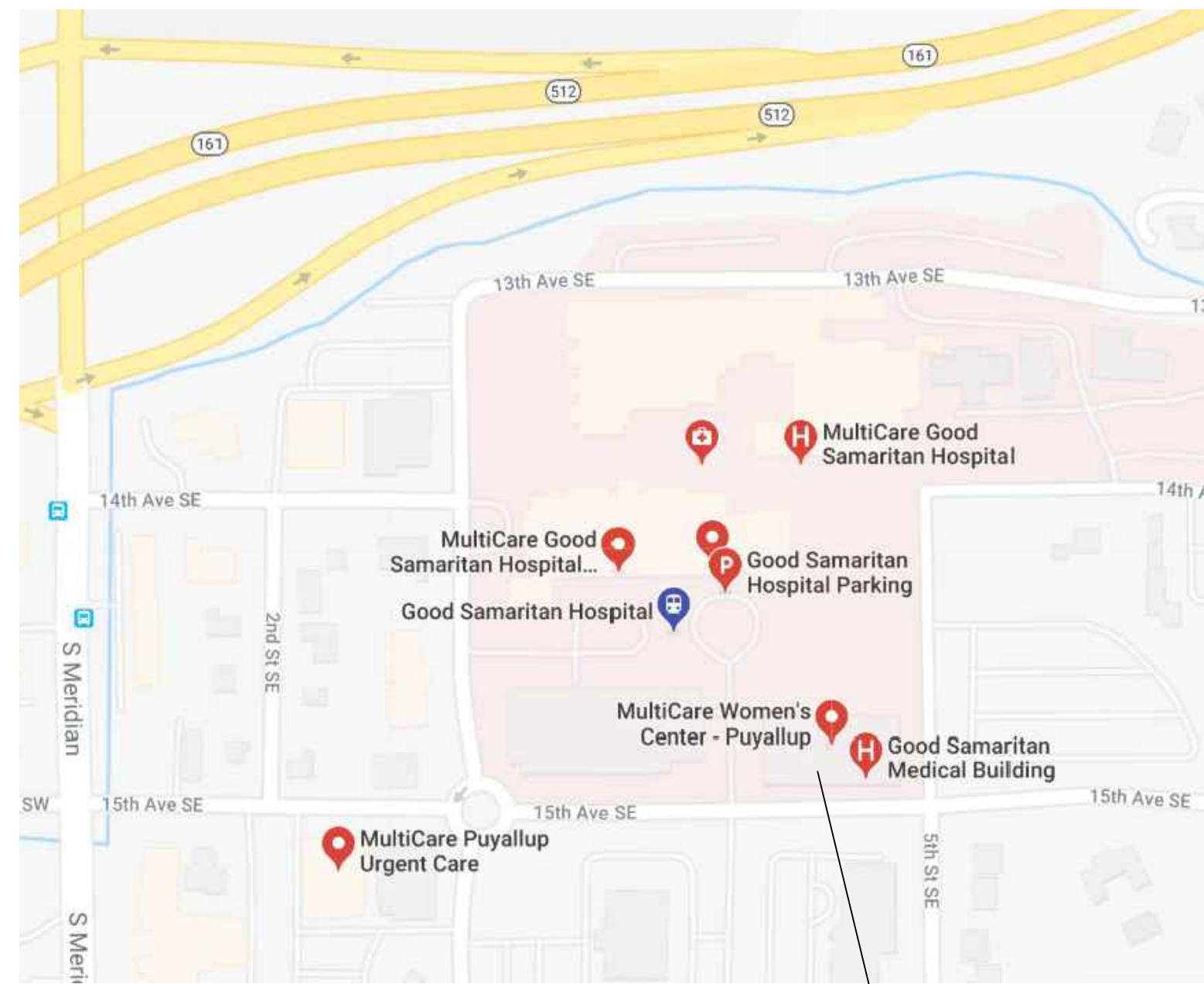


VICINITY MAP



VICINITY MAP  
NOT TO SCALE

PROJECT SITE

PROJECT INFORMATION:

APPLICABLE CODES: (INCLUDING STATE AND LOCAL AMENDMENTS OF FOLLOWING LISTED CODES)  
STATE OF WASHINGTON:

BUILDING CODE:  
INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION  
INTERNATIONAL CODE COUNCIL (ICC), A117.1-2009: WAC 51-50

MECHANICAL CODE:  
INTERNATIONAL MECHANICAL CODE (IMC), 2018 EDITION  
INTERNATIONAL FUEL GAS CODE (IFGC), 2018 EDITION  
NATIONAL FUEL GAS CODE (NFGC), WAC 51-52, 2018 EDITION

PLUMBING CODE:  
UNIFORM PLUMBING CODE (UPC): WAC 51-56, 2018 EDITION

ENERGY CODE:  
WASHINGTON STATE ENERGY CODE: WAC 51-11, 2018 EDITION

ELECTRICAL CODE:  
NATIONAL ELECTRICAL CODE (NEC), 2018 EDITION: WAC 296-46B

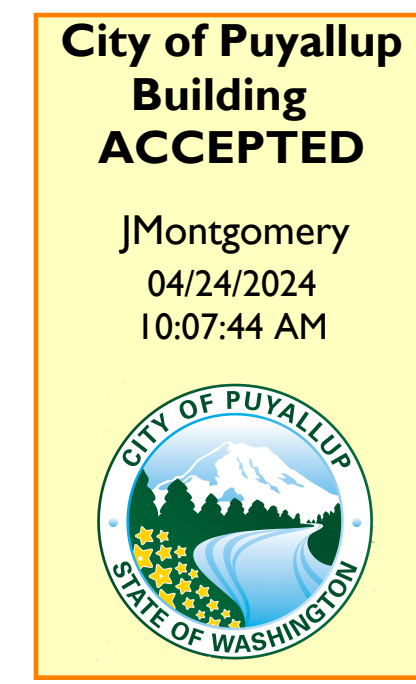
LIFE SAFETY CODE:  
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA-101), 2018 EDITION

FIRE CODE:  
INTERNATIONAL FIRE CODE (IFC), 2018 EDITION: WAC 51-54

PROJECT DATA:

AUTHORITY: CITY OF PUYALLUP  
SEISMIC DESIGN CATEGORY: D-1  
FROST LINE: 12 INCHES  
SNOW LOAD: 25 PSF  
WIND EXPOSURE: 85 MPH - EXPOSURE B  
CONSTRUCTION TYPE: 1-A  
OCCUPANCY: B, MEDICAL OFFICE BUILDING  
FIRE PROTECTION: AUTOMATIC FIRE ALARM  
AUTOMATIC FIRE SPRINKLER SYSTEM

Separate electrical permit is required with Washington State Department of Labor & Industries.  
<https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections> or Licensing information: Call 1-800-647-0982



PROJECT TEAM:

OWNER:  
MultiCare Health System  
315 Martin Luther Jr. King Way  
Tacoma, WA 98405  
CContact: Maxcoty MacDonald  
Project Manager  
Maxcoty.MacDonald@MultiCare.org  
(253)441-7904 Tel.

FACILITY CONTACTS:  
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PO Box 5299, Mail Stop 9111-1-CONS  
Tacoma, WA 98415  
Contact: Maxcoty MacDonald  
Project Manager  
Maxcoty.MacDonald@MultiCare.org  
(253)441-7904 Tel.

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Principal Architect  
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Engineer, Mechanical Engineering  
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ELECTRICAL:  
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Seattle, WA 98101  
Contact: Hanh Mortenson, PE  
Senior Engineer, Electrical Engineering  
Hanh.Mortenson@Coffman.com  
(253) 347-7944 Tel.

Tax Parcel Number: 981000645

INDEX TO DRAWING SET:

GENERAL:  
T0.0 PROJECT INFO, INDEX, SITE PLAN

ARCHITECTURAL:  
A0.1 3rd FLOOR LIFE SAFETY PLAN  
A0.2 3rd FLOOR PLAN  
A1.3 PARTIAL 3RD FLOOR PLAN: DEMOLITION (SOUTHEAST)  
A2.3 PARTIAL 3RD FLOOR PLAN: PROPOSED (SOUTHEAST)  
A3.3 PARTIAL 3RD FLOOR PLAN: EQUIPMENT (SOUTHEAST)  
A4.3 PARTIAL 3RD FLOOR REFLECTED CEILING PLAN (SOUTHEAST)  
A6.0 TYPICAL MOUNTING HEIGHTS  
A6.1 INTERIOR ELEVATIONS  
A6.2 INTERIOR ELEVATIONS  
A7.1 FINISH SCHEDULE  
A8.0 WALL TYPES AND DETAILS  
A8.1 DETAILS

MECHANICAL:  
M0.01 COVER SHEET, GENERAL NOTES & INDEX  
M0.02 MECHANICAL SPECIFICATIONS AND NOTES  
M0.03 MECHANICAL SCHEDULES  
M1.01 THIRD HVAC PLAN - DEMO AND NEW  
M3.01 MECHANICAL DETAILS

PLUMBING:  
P0.01 COVER SHEET, GENERAL NOTES & INDEX  
P0.02 PLUMBING SPECIFICATIONS AND NOTES  
P0.03 PLUMBING SCHEDULES  
P1.01 THIRD FLOOR PLUMBING PLAN - DEMO  
P2.01 THIRD FLOOR PLUMBING PLAN  
P3.01 PLUMBING DETAILS

ELECTRICAL: (SEPARATE PERMIT)  
E0.01 COVER SHEET AND GENERAL INFORMATION  
E0.02 GENERAL NOTES  
E0.03 PANEL SCHEDULES  
E2.13 PARTIAL THIRD FLOOR LIGHTING PLAN (NORTHEAST)  
E3.13 PARTIAL THIRD FLOOR POWER & SYSTEMS PLAN (NORTHEAST)  
E5.01 ONE-LINE DIAGRAM



PRCT120240313

PROJECT NAME:  
MultiCare  
GSMOB  
3rd Floor  
Soiled Utility  
Alterations  
1450 5th St SE  
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	9/8/2023	PERMIT SUBMITTAL #1
1	4/3/2024	PERMIT SUBMITTAL #2

PROJECT NO. 31258  
DRAWN BY: K. LANGLOIS  
DATE: 3 APRIL 2024  
COPYRIGHT TO:  
InSight Healthcare Architecture

SHEET TITLE:  
PROJECT INFO /  
INDEX / SITE  
PLAN

SHEET #:  
T0.0

GRAPHIC SYMBOLS:

NORTH ARROW		ANGLE	
GRID LINE		DIAMETER / ROUND	$\phi$
BUILDING SECTION		SECTION NO.	0
		SHEET NO.	A00.0
WALL SECTION		SECTION NO.	#
		SHEET NO.	#
DETAIL		DETAIL NO.	0
		SHEET NO.	A-000
INTERIOR ELEVATION		ROOM NAME / NUMBER	RM. NAME [RM.#]
			46.1
ELEVATION MARK		CONCEALED OR OVERHEAD LINE ( NOT ON DEMOLITION PLAN )	
		GRADE POINT	
			NEW GRADE 0.00 EXISTING GRADE 0.00
REVISION MARK		PLAN KEYED NOTE	
		NEW DOOR/FRAME (SEE DOOR SCHEDULE)	
		WALL TAG (SEE WALL TYPES)	
PROPERTY CORNERS		EQUIPMENT KEYED NOTE	
CUT LINE			
CENTER LINE			

PROJECT DESCRIPTION:

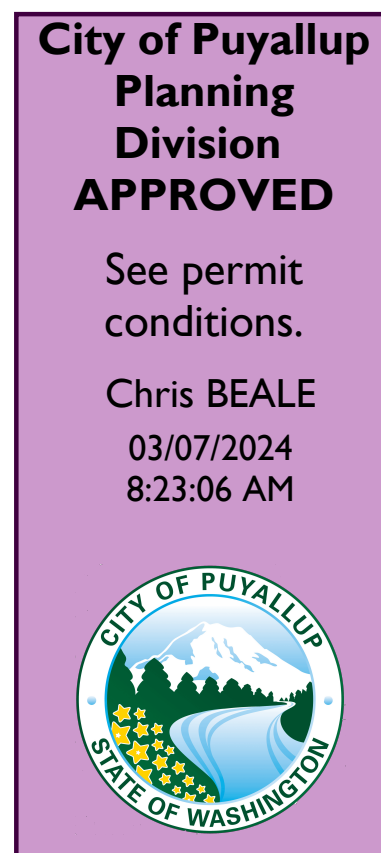
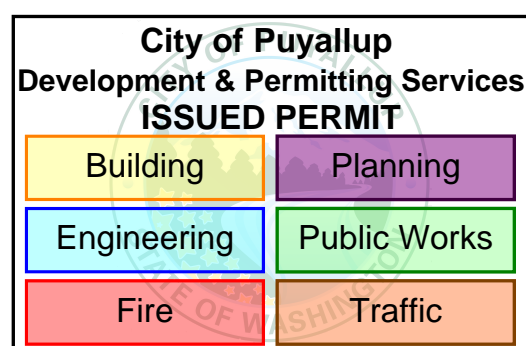
All spaces are all Type B occupancy, medical office building (non-DOH CRS reviewable).  
A tenant improvement to existing MMA/Urology Clinic Suite 3500, located on the third floor, including alterations to the soiled utility room.

**FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS (MIN. PLAN SIZE 24" X 36")**

Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.



See permit conditions.  
ycharitou  
03/27/2024  
7:55:25 AM



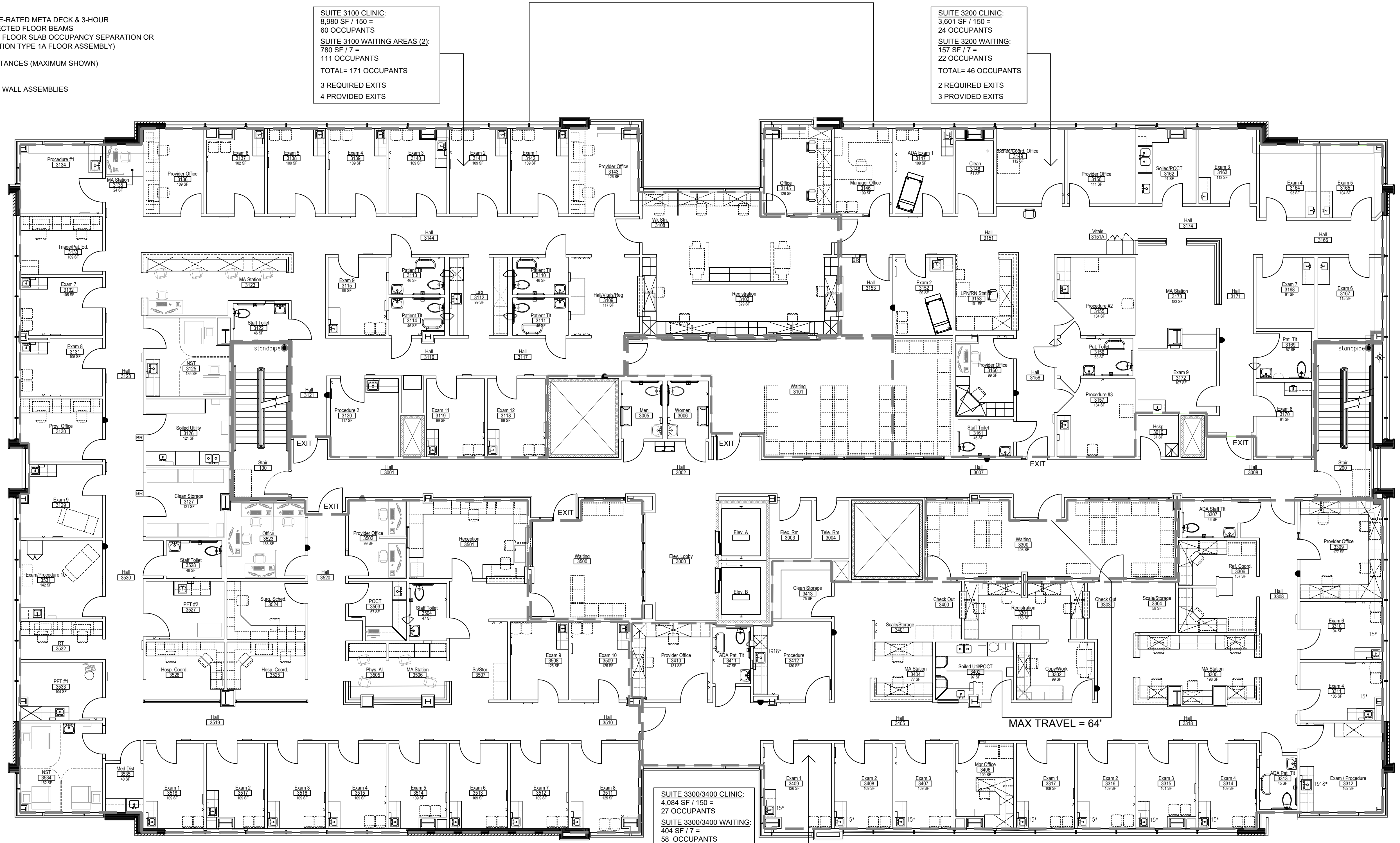
**LEGEND**

- SUITE PERIMETER
- XX SPACE  
XX SF / 150 =  
XX OCCUPANTS
- OCCUPANT LOAD CALCULATION (TABLE 1004.1.2)  
OUTPATIENT BUSINESS / CLINIC AREAS = 1 OCCUPANT PER 150 SF GROSS
- 1-HOUR GWB OCCUPANCY FIRE BARRIER ASSEMBLY WITH 60-MINUTE DOORS
- 1-HOUR GWB SMOKE PARTITION WITH 20-MINUTE DOORS & 45-MINUTE RELITES
- (AS REQUIRED BY NFPA 101 - LIFE SAFETY CODE)
- 1-HOUR GWB SHAFT WALL ASSEMBLY
- 1-HOUR GWB SHAFT WALL ASSEMBLY WITH SMOKE DOOR AT ELEVATOR 'C' ONLY
- 2-HOUR FIRE CMU OR CONCRETE OCCUPANCY SEPARATION WALL ASSEMBLY WITH 90-MINUTE DOORS
- NON-RATED SMOKE PARTITION PER IBC 710. EXTEND WALL TO STRUCTURE. DOORS TO HAVE CLOSERS & SMOKE SEALS
- 1-HOUR GWB CEILING FIRE BARRIER
- 2-HOUR FIRE-RATED META DECK & 3-HOUR FIRE-PROTECTED FLOOR BEAMS (CONCRETE FLOOR SLAB OCCUPANCY SEPARATION OR CONSTRUCTION TYPE 1A FLOOR ASSEMBLY)
- TRAVEL DISTANCES (MAXIMUM SHOWN)
- NON-RATED WALL ASSEMBLIES

SUITE 3100 CLINIC:  
8,980 SF / 150 =  
60 OCCUPANTS  
SUITE 3100 WAITING AREAS (2):  
780 SF / 7 =  
111 OCCUPANTS  
TOTAL= 171 OCCUPANTS  
3 REQUIRED EXITS  
4 PROVIDED EXITS

SUITE 3200 CLINIC:  
3,601 SF / 150 =  
24 OCCUPANTS  
SUITE 3200 WAITING:  
157 SF / 7 =  
22 OCCUPANTS  
TOTAL= 46 OCCUPANTS  
2 REQUIRED EXITS  
3 PROVIDED EXITS

SUITE 3300/3400 CLINIC:  
4,084 SF / 150 =  
27 OCCUPANTS  
SUITE 3300/3400 WAITING:  
404 SF / 7 =  
58 OCCUPANTS  
TOTAL= 85 OCCUPANTS  
2 REQUIRED EXITS  
3 PROVIDED EXITS



**City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

**InSight  
HealthCare Architecture**  
Karsen@insightarch.us  
16824 44th Ave W, #170  
Lynnwood, WA 98037  
206-601-6645

8466 REGISTERED ARCHITECT  
*Karsen M. Langlois*  
Karsen M. Langlois  
STATE OF WASHINGTON

OWNER:  
**MultiCare**  
BetterConnected

PRCT120240313

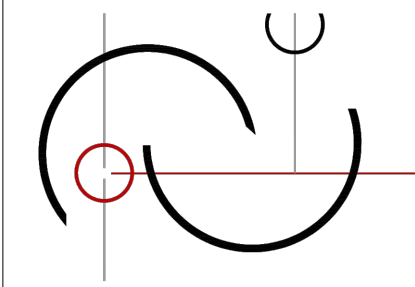
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PROJECT NO. 31258  
DRAWN BY: K. LANGLOIS  
DATE: 3 APRIL 2024  
COPYRIGHT TO:  
InSight Healthcare Architecture

SHEET TITLE:  
**3rd FLOOR  
LIFE SAFETY  
PLAN**

SHEET #:  
**A0.1**



**InSight**  
HealthCare Architecture

Karsea@InsightArch.us  
16824 44th Ave W, #170  
Lynnwood, WA 98037  
206-601-6645

8466 REGISTERED ARCHITECT  
*Karsea M. Langlois*  
Karsea M. Langlois  
STATE OF WASHINGTON

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic



THIRD FLOOR PLAN



OWNER:



PRCT120240313

PROJECT NAME:

**MultiCare  
GSMOB  
3rd Floor  
Soiled Utility  
Alterations**  
1450 5th St SE  
Puyallup, WA 98372

MARK DATE DESCRIPTION

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1	4/3/2024	PERMIT SUBMITTAL #2

PROJECT NO. 31258

DRAWN BY: K. LANGLOIS

DATE: 3 APRIL 2024

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InSight Healthcare Architecture

SHEET TITLE:  
**3rd FLOOR  
PLAN**

SHEET #:

**A0.2**

MARK	DATE	DESCRIPTION
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▲	4/3/2024	PERMIT SUBMITTAL #2

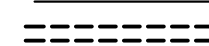
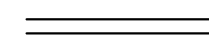
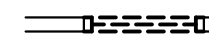

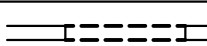
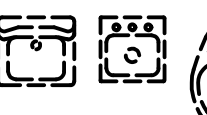

**GENERAL NOTES**

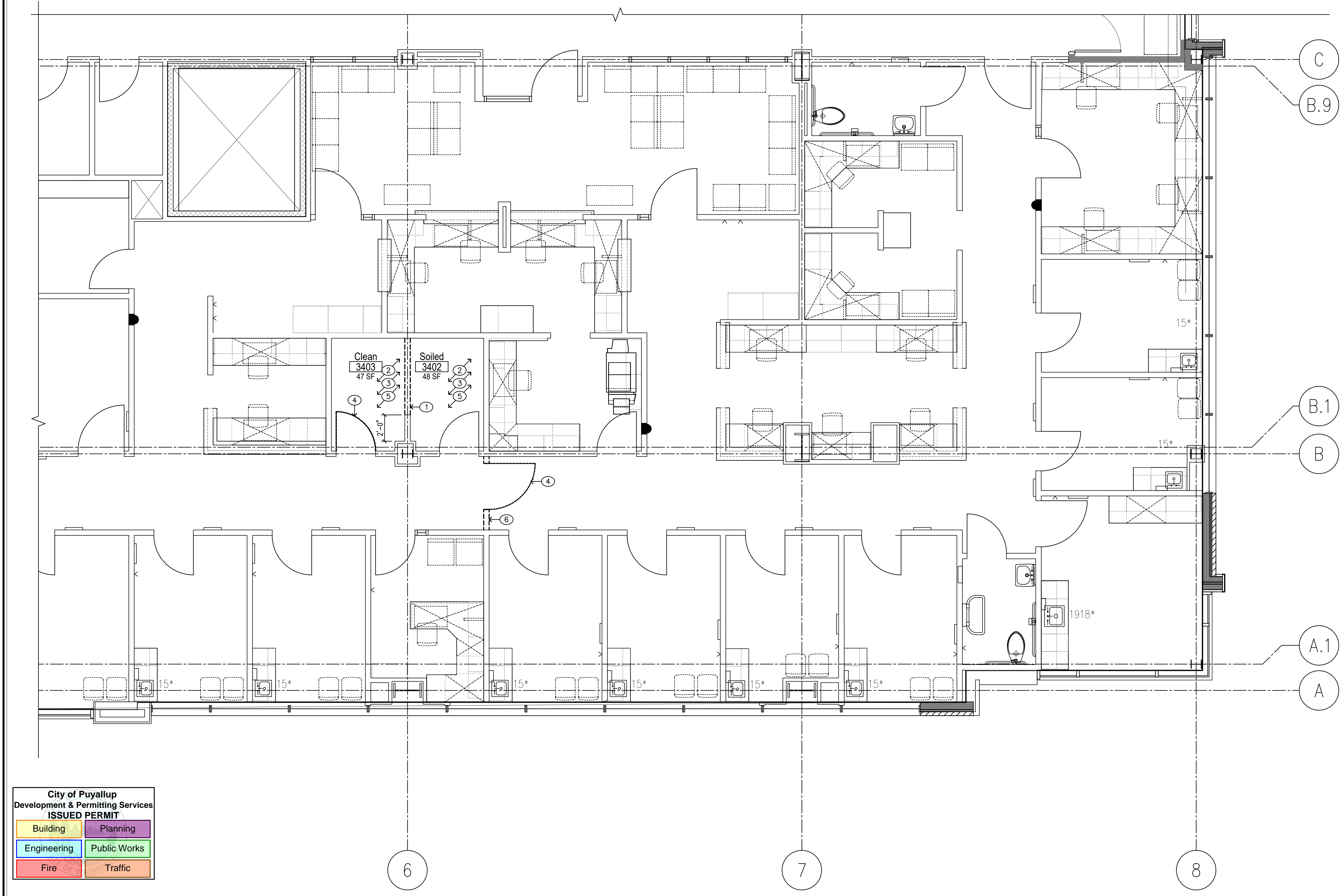
- THESE DEMOLITION DRAWINGS ARE INTENDED TO SHOW EXISTING CONDITIONS TO BE REMOVED (OR DEMOLISHED) TO COORDINATE WITH NEW WORK TO BE INSTALLED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY EXISTING CONDITIONS IN THE FIELD WITH NEW WORK TO BE INSTALLED. COORDINATE ALL EXTENT OF DEMOLITION WITH EXTENT OF NEW WORK TO BE INSTALLED. CONTRACTOR SHALL BRING ALL DISCREPANCIES BETWEEN NEW WORK AND EXISTING CONDITIONS TO THE ATTENTION OF THE ARCHITECT BY WRITTEN NOTIFICATION FOR CLARIFICATION/DECISION BEFORE PROCEEDING WITHIN THE AFFECTED PORTION OF THE WORK. ANY DEMOLITION WORK DONE INCORRECTLY WITH RESPECT TO NEW WORK TO BE DONE SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE. CORRECTION MAY BE EITHER REINSTALLATION OF EXISTING CONDITION OR MODIFICATION OF NEW WORK TO REMEDY INCORRECT DEMOLITION. THIS SHALL BE SOLELY JUDGED BY THE ARCHITECT.
- THESE DOCUMENTS DO NOT ADDRESS ASBESTOS ABATEMENT. ASBESTOS ABATEMENT WILL BE HANDLED BY THE OWNER. OWNER WILL RETAIN A CERTIFIED ASBESTOS ABATEMENT CONTRACTOR TO ABATE EACH PHASE PRIOR TO GENERAL CONTRACTOR'S WORK. OWNER WILL ALSO RETAIN ABATEMENT CONTRACTOR THROUGHOUT THE PROJECT FOR SPOT CHECKS AND VERIFICATION OF SUSPECTED MATERIALS UNCOVERED DURING DEMOLITION. GENERAL CONTRACTOR SHALL BE REQUIRED TO COORDINATE & SCHEDULE WITH OWNER'S ABATEMENT CONTRACTOR.  
SUBMIT ALL REPORTS TO CITY OF PUYALLUP BUILDING OFFICIAL.
- MINIMIZE DAMAGE, BY WHATEVER MEANS DEEMED NECESSARY TO FULLY PROTECT ALL EXISTING SURFACES TO REMAIN ADJACENT TO DEMOLITION WORK.
- DEMOLISH PARTITIONS FROM FLOOR TO STRUCTURAL DECK ABOVE UNLESS EXISTING CONDITIONS WARRANT NOTIFICATION TO THE ARCHITECT OF OTHER EXTENT OR UNLESS OTHERWISE NOTED.
- ALL ITEMS NOT SCHEDULED TO BE REUSED SUCH AS MECHANICAL AND ELECTRICAL FIXTURES, EQUIPMENT, FURNITURE, CASEWORK AND SHELVING SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- WHERE NEW FLOORING IS SCHEDULED REMOVE ALL ADHESIVES, TAPES, TACK STRIPS, AND OTHER PROJECTIONS THAT WILL OTHERWISE PREVENT THE INSTALLATION OF NEW FINISHES IN A NEAT, COMPLETE AND THOROUGH MANNER PER FLOORING MANUFACTURERS RECOMMENDATIONS.
- WHERE REMOVING DOOR FRAMES, WINDOW/ RELITE FRAMES OR THE LIKE, MINIMIZE DAMAGE TO OR REMOVAL OF ADJACENT PLASTER FINISHES. REMOVE, HOWEVER, ALL LOOSE OR UNSTABLE PLASTER AND STRUCTURAL MATERIAL TO ENSURE PROPER PATCH WORK. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO PATCH ALL PLASTER OR OTHER EXISTING FINISHES ADJACENT TO SUCH REMOVAL IF ADJACENT SURFACES ARE TO REMAIN. PATCH IN LIKE THICKNESS, FINISH.
- REMOVE ALL LOOSE DEBRIS OR OTHERWISE UNNECESSARY MATERIAL FROM WALL CAVITIES CREATED BY DEMOLITION WORK PRIOR TO ENCLOSING WITH NEW FINISHES.
- WHERE PLUMBING FIXTURES, PIPES OR CONDUITS ARE REMOVED LEAVING HOLES IN EXISTING FLOOR, WALLS OR CEILING, SURFACES TO REMAIN. PATCH HOLES WITH SAME MATERIAL, FINISH AND FIRE RATING, SO AS TO LOOK FLUSH WITH ADJACENT TO SURROUNDING SURFACES.
- CLEAN UP CONSTRUCTION SITE AT END OF EACH DAY'S WORK SO AS TO NOT BLOCK EXIT PATHS OR ACCESS IN OR OUT OF EACH PHASED AREA. IN NO CASE SHALL OCCUPIED AREAS BE BLOCKED WITH TOOLS, DEBRIS OR CONTRACTOR'S EQUIPMENT AT ANYTIME. DISPOSE OF DEMOLITION DEBRIS FROM SITE ON A DAILY BASIS. ACCESS ROUTE SHALL BE SUBMITTED TO OWNER AND ARCHITECT IN WRITING ( OR GRAPHICALLY ) FOR REVIEW 48 HOURS PRIOR TO ANY WORK.
- CONSULT WITH OWNER IN WRITING TEN (10) DAYS IN ADVANCE OR UTILITY/ SERVICE SHUTDOWNS.
- PROVIDE DUSTPROOF PARTITIONING AND TEMPORARY DOORS WHERE NEEDED PRIOR TO DEMOLITION TO PROTECT ADJACENT AREAS.
- DEMOLISH ALL OR PORTIONS OF EXISTING WALLS SHOWN. RETAIN FINISH TO ADJACENT WALL SURFACES, BOTH SIDES OF WALL UNLESS SPECIFICALLY NOTED TO REMOVE. PATCH AND REPAIR ALL DAMAGED AREAS AFFECTED BY THIS WORK.
- ALL STRUCTURAL MEMBERS, INCLUDING BEARING WALLS, AFFECTED BY THIS DEMOLITION ARE TO BE VERIFIED AND ADEQUATELY SHORED BEFORE REMOVAL.

**DEMOLITION PLAN KEYED NOTES**

- DEMOLISH PORTION OF (E) WALL
- DEMOLISH EXISTING FLOORING
- DEMOLISH EXISTING CEILING
- DEMOLISH EXISTING DOOR AND FRAME - INFILL WALL TO MATCH EXISTING ADJACENT WALL TYPE AND FINISHES
- DEMOLISH EXISTING SHELVING. REPAIR WALLS AS NECESSARY TO MATCH EXISTING ADJACENT SURFACES
- DEMOLISH EXISTING WALL, MAINTAIN GYP. BOARD HEADER AT 6" BELOW FINISHED ACQUISITIONAL CEILING TILE. PATCH AND PAINT WALLS IN AREA OF DEMOLITION TO MATCH ADJACENT EXISTING SURFACES. REPAIR CARPET IN AREA OF WORK.

**LEGEND**

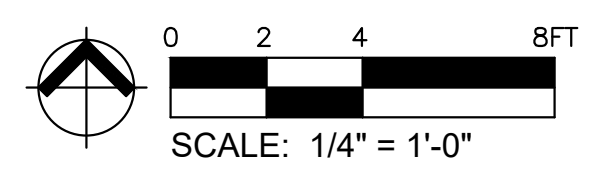
-  EXISTING WALL TO BE REMOVED
-  EXISTING WALL TO REMAIN
-  EXISTING WINDOW TO BE REMOVED
-  EXISTING DOOR TO BE REMOVED
-  CUT OPENING IN EXISTING WALL
-  PLUMBING FIXTURES TO BE REMOVED. COORDINATE WITH MECH. CAP OR MODIFY PLUMBING AS REQUIRED FOR NEW WORK.
-  DASHED LINE INDICATES ITEM TO BE REMOVED. REFER TO NOTES OR FIELD VERIFY TYPE TYPE OF ITEM TO BE DEMOLISHED

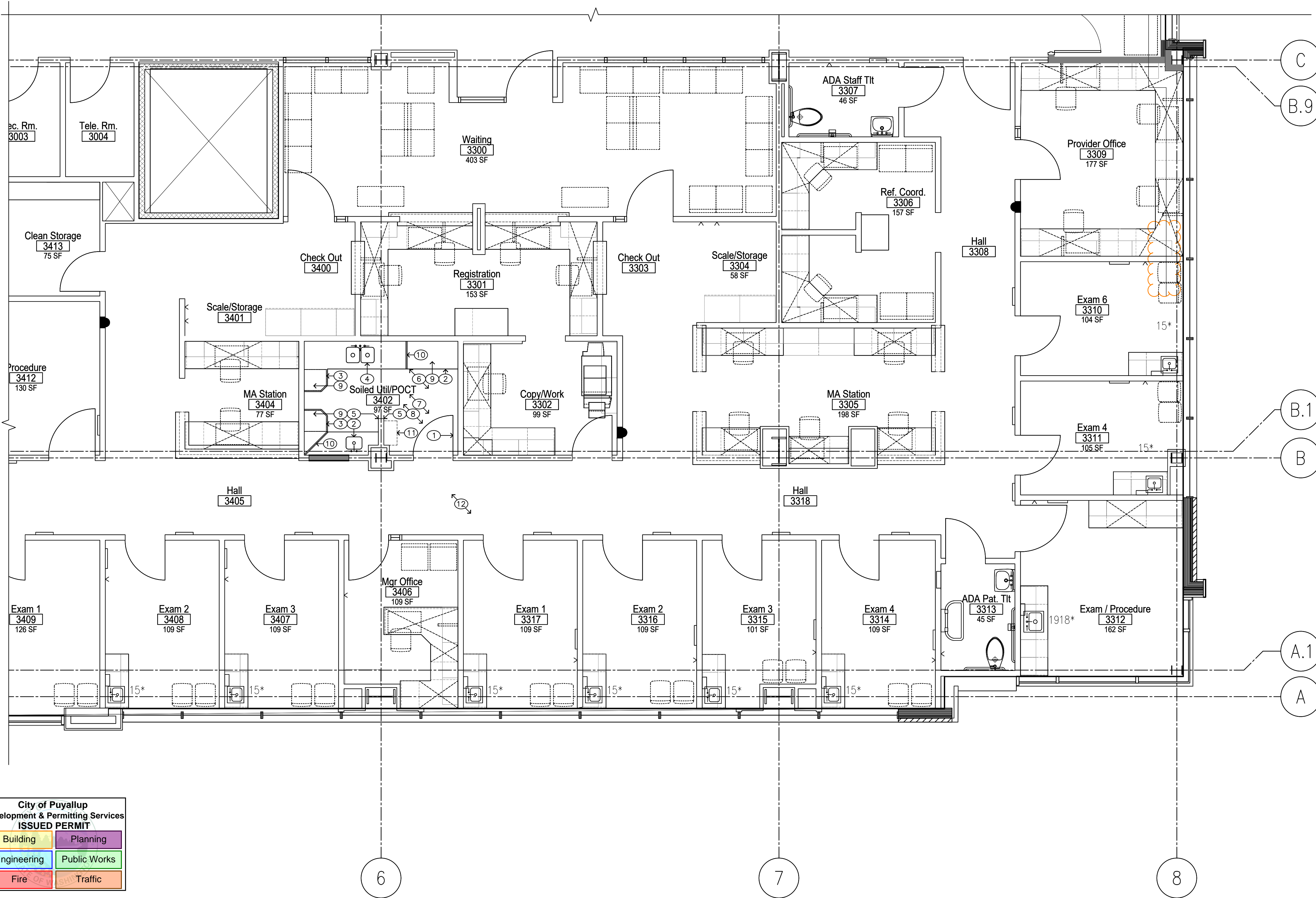


**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

**PARTIAL THIRD FLOOR PLAN: DEMOLITION**





City of Puyallup  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

PARTIAL THIRD FLOOR PLAN: PROPOSED



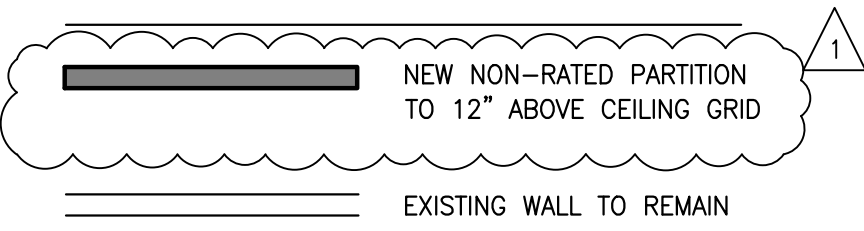
**GENERAL NOTES**

1. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DRAWINGS, DIMENSIONS, SPECIFICATIONS AND SCHEDULES PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY UNCERTAINTY OR DISCREPANCY.
2. DRAWINGS SHALL NOT BE SCALED.
3. WHERE NOTES ON THE DRAWINGS INDICATE A CONDITION AT ONE LOCATION, WHETHER INDICATED AS TYPICAL OR NOT, THE NOTE SHALL APPLY TO ALL SIMILAR LOCATIONS, UNO.
4. SEE SHEET T.O.0 FOR ADDITIONAL NOTES, SYMBOLS, ABBREVIATIONS, ETC.
5. SEE CODE PLAN AND DETAILS, FOR EXTENT OF RATED WALLS, CEILINGS, OPENINGS & DETAIL.
6. GRID LINES ARE TO CENTERLINE OF STEEL AND STUDS @ FRAMED WALLS, UNO.
7. ALL INTERIOR WALL DIMENSIONS ARE TO FACE OF FINISHED WALL, AND ROUGH OPENINGS, UNLESS NOTED OTHERWISE OR INDICATED ON DETAILS.
8. DOORS ARE TYPICALLY LOCATED BY DETAIL. WHERE A DIMENSION IS INDICATED ON PLAN FOR DOORS AND RELITES THEY WILL SUPERSEDE DETAIL DIMENSIONS.
9. REFER TO DETAIL 5/A8.0 FOR MANEUVERING CLEARANCES AT DOORS.
10. ALL BUILDING SIGNAGE AND IDENTIFYING DEVICES TO COMPLY WITH THE REQUIREMENTS OF THE A.D.A. (AMERICANS WITH DISABILITIES ACT).
11. FINISH FLOORING TO EXTEND TO WALLS BELOW ALL CASEWORK NOT PERMANENTLY ATTACHED TO THE FLOOR UNLESS NOTED OTHERWISE.
12. PROVIDE SOLID BLOCKING @ ALL CASEWORK AT TOP AND BOTTOM OF UPPERS AND AT TOP OF COUNTERS AND LOWER CABINETS. PROVIDE BLOCKING IN WALLS FOR WALL MOUNTED/SUPPORTED ITEMS INCLUDING TV BRACKETS, SHELVES, LOCKERS, WHITE BOARDS, PROJECTION SCREENS, ETC. VERIFY BLOCKING REQUIREMENTS WITH SUPPLIER/MFR OF PRODUCT TO BE MOUNTED.
13. WHERE A MECHANICAL PIPE OR DUCT CHASE IS INDICATED ON THE FLOOR PLAN, VERIFY SIZE OF CHASE REQUIRED FOR MECHANICAL ITEMS.
14. INSTALL ACOUST. BATT INSULATION IN ALL EXISTING INTERIOR STUD WALLS WHERE STUD CAVITIES ARE EXPOSED AS A RESULT OF CONSTRUCTION OR DEMOLITION ACTIVITIES.
15. DARK SHADING INDICATES NEW WALL CONSTRUCTION. REFER TO WALL TYPE FLAGS AND DETAIL 4/A8.0 FOR DETAILED DESCRIPTIONS OF NEW WALL CONSTRUCTION.
16. WHERE WALL OF ONE SIZE STUD JOINS A WALL OF DIFFERENT SIZE STUD, MAINTAIN CONTINUITY OF FINISHED FACE OF WALL AT CORRIDOR SIDE, U.N.O.
17. WHERE EXISTING WALL-MOUNTED ITEMS ARE NOTED, INSTALL ITEM NOTED ON DEMOLITION PLANS TO BE SALVAGED.

**KEYED NOTES**

- 1 EXISTING DOOR WITH NEW BADGE READER - SEE ELECTRICAL
- 2 NEW HANDWASH SINK - SEE MECHANICAL
- 3 NEW CASEWORK (SEE INTERIOR ELEVATIONS)
- 4 NEW PLUMBING FIXTURE - SEE MECHANICAL
- 5 NEW CORNER GUARD FROM TOP OF FLOORING BASE TO +48" ABOVE BASE, TYPICAL ALL OUTSIDE CORNERS IN CORRIDORS AND AS NOTED
- 6 NEW FLOORING AND INTEGRAL COVED BASE
- 7 NEW ACT CEILING
- 8 PATCH AND PAINT IN AREAS OF WORK
- 9 NEW CORIAN COUNTERTOP
- 10 NEW CORIAN SPLASHGUARD - ROUTER COUNTERTOP AND SET INTO COUNTER, AND BETWEEN BACKSPLASH TO CREATE RIGID CONNECTION
- 11 NEW OPEN SHEVING - SEE INTERIOR ELEVATIONS
- 12 PATCH AND PAINT WALLS IN AREA OF DEMOLITION TO MATCH ADJACENT EXISTING SURFACES. REPAIR CARPET IN AREA OF WORK.

**LEGEND**



**InSight**  
HealthCare Architecture

Karsa@InsightArch.us  
16824 44th Ave W, #170  
Lynnwood, WA 98037  
206-601-6645

8466 REGISTERED ARCHITECT  
*Karsa Langlois*  
Karsa M. Langlois  
STATE OF WASHINGTON

OWNER:

**MultiCare**

BetterConnected

PRCT120240313

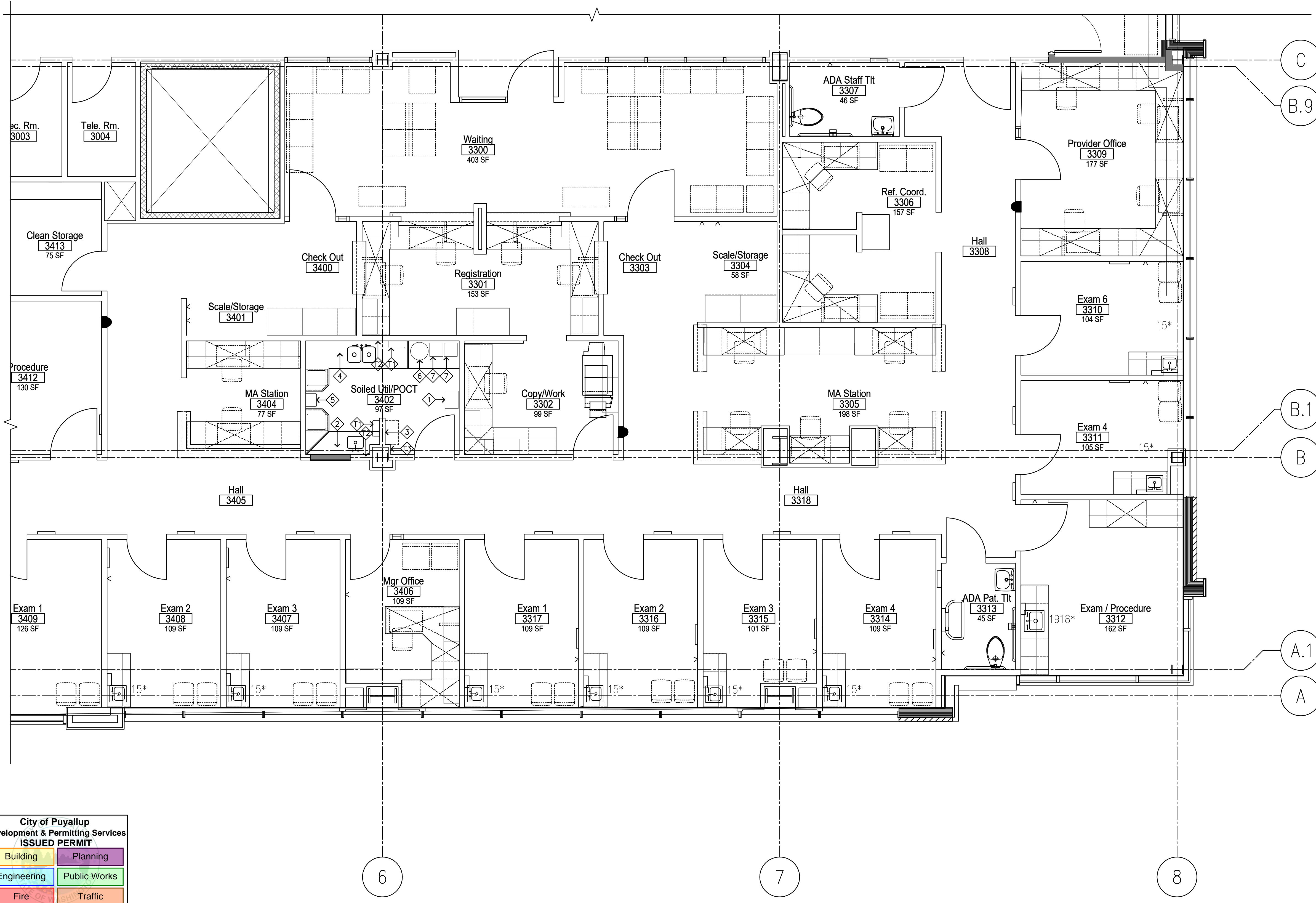
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1	4/3/2024	PERMIT SUBMITTAL #2

PROJECT NO. 31258  
DRAWN BY: K. LANGLOIS  
DATE: 3 APRIL 2024  
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SHEET TITLE:  
**PARTIAL THIRD  
FLOOR PLAN:  
PROPOSED  
(NORTHEAST)**

SHEET #:  
**A2.13**



- EQUIPMENT NOTES:**
- ALL T# ITEMS ARE CFCI, EXCEPT AS NOTED
- 1 PAPER TOWEL DISPENSER - BOBRICK TRI-FOLD #B2621
  - 2 LIQUID SOAP DISPENSER (O.F.C.I.)
  - 3 LIQUID HAND SANITIZER (O.F.C.I.)
- (O.F.O.I.) ITEMS, EXCEPT AS NOTED:
- 4 INSTRUMENT CART
  - 5 SHARPS CONTAINER (UNDER COUNTER)
  - 6 PPE RACK (O.F.C.I.)
  - 7 WASTE CONTAINER (UNDER COUNTER)
  - 8 WALL-MOUNTED "GUS" STATION (O.F.C.I.)
  - 9 CENTRIFUGE
  - 10 CLINITECH
  - 11 36" "GRIP A STRIP" DISPLAY RAIL (O.F.C.I.)

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

PARTIAL THIRD FLOOR PLAN: EQUIPMENT



**LEGEND**

- NEW WALL
- EXISTING WALL TO REMAIN

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206-601-6645

8466 REGISTERED ARCHITECT  
*Karsaa Langlois*  
Karsaa M. Langlois  
STATE OF WASHINGTON

OWNER:  
**MultiCare**  
BetterConnected

PRCT120240313

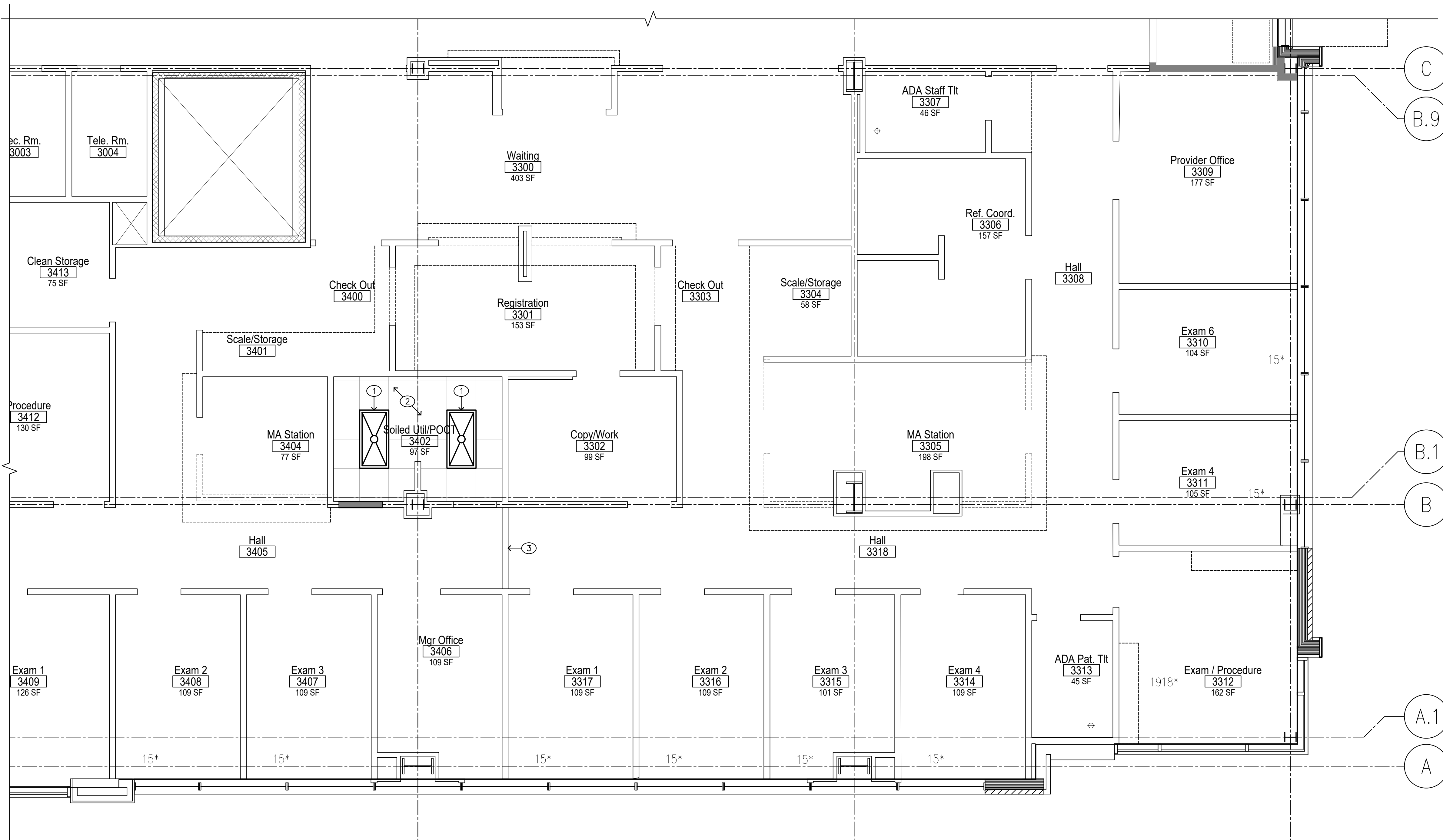
PROJECT NAME:  
**MultiCare GSMOB 3rd Floor Soiled Utility Alterations**  
1450 5th St SE  
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	9/8/2023	PERMIT SUBMITTAL #1
1	4/3/2024	PERMIT SUBMITTAL #2

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SHEET TITLE:  
**PARTIAL THIRD FLOOR PLAN: EQUIPMENT (NORTHEAST)**

SHEET #:  
**A3.13**



**City of Puyallup**  
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**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

PARTIAL THIRD FLOOR REFLECTED CEILING PLAN



**GENERAL NOTES**

1. NEW ACOUSTICAL TILE CEILING SYSTEM THROUGHOUT REMODELED AREA.
2. CONTRACTOR TO PROVIDE COORDINATION OF SHOP DRAWING FOR APPROVAL OF CEILING, SHOWING AND PROVIDING DIMENSIONS OF ALL ARCHITECTURAL, MECHANICAL, AND ELECTRICAL ITEMS.

**LEGEND**

SEE ELECTRICAL SHEETS FOR LIGHT FIXTURE TYPES

- SUSPENDED OR FRAMED GYPSUM WALLBOARD CEILING
- LED LIGHT FIXTURE
- RECESSED WALL-WASH LED LIGHT FIXTURE
- 1x4 LED LIGHT FIXTURE
- 2x4 LED LIGHT FIXTURE
- LED LIGHT FIXTURE ON LIFE SAFETY CIRCUIT
- 2x2 LED LIGHT FIXTURE
- CEILING ACCESS PANEL - 24"x24" UNLESS NOTED OTHERWISE
- SUPPLY DIFFUSER
- RETURN GRILLE
- EXHAUST GRILLE
- SPEAKER
- FIRE ALARM STROBE
- SPRINKLER
- SMOKE DETECTOR
- SPEAKER
- OCCUPANCY SENSOR
- CAMERA
- EXIT SIGN
- 8FT UTILITY LIGHT

**KEYED NOTES**

- ① RELOCATED LIGHT FIXTURE (SEE ELECTRICAL)
- ② NEW ACT CEILING - MATCH EXISTING HEIGHT AND FINISH
- ③ NEW GYP BOARD SOFFIT @ 6" BELOW FINISHED CEILING

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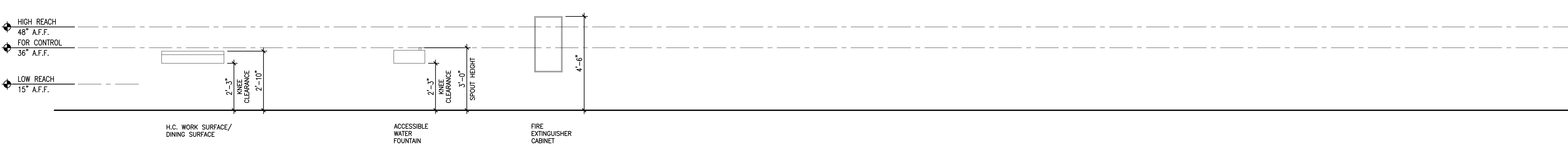
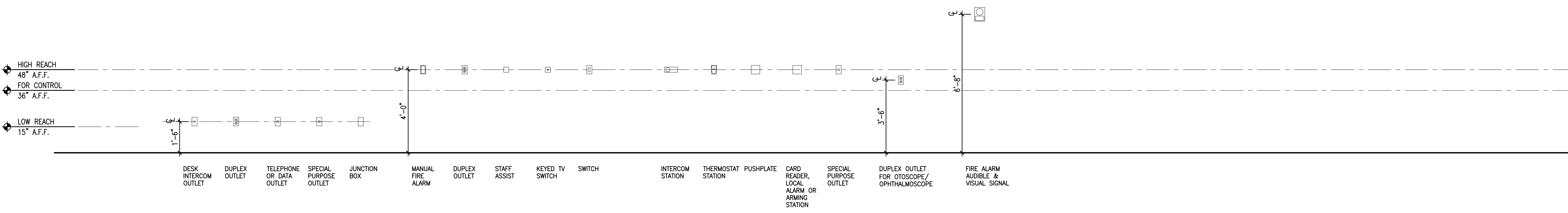
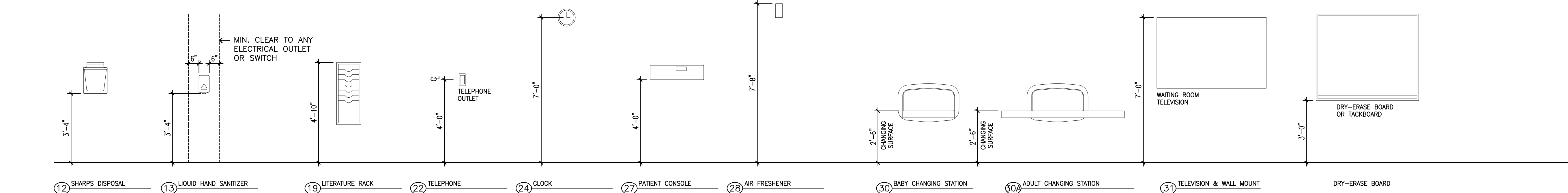
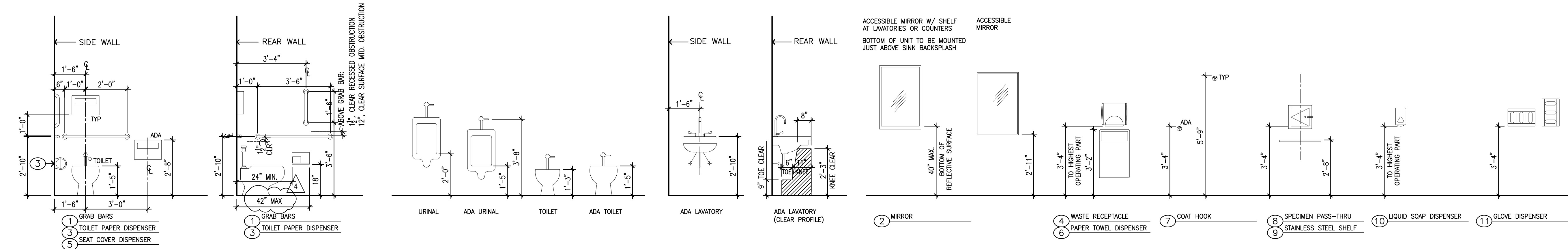
PROJECT NAME:  
**MultiCare**  
**GSMOB**  
**3rd Floor**  
**Soiled Utility**  
**Alterations**  
1450 5th St SE  
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SHEET TITLE:  
**PARTIAL THIRD FLOOR REFLECTED CEILING PLAN (NORTHEAST)**

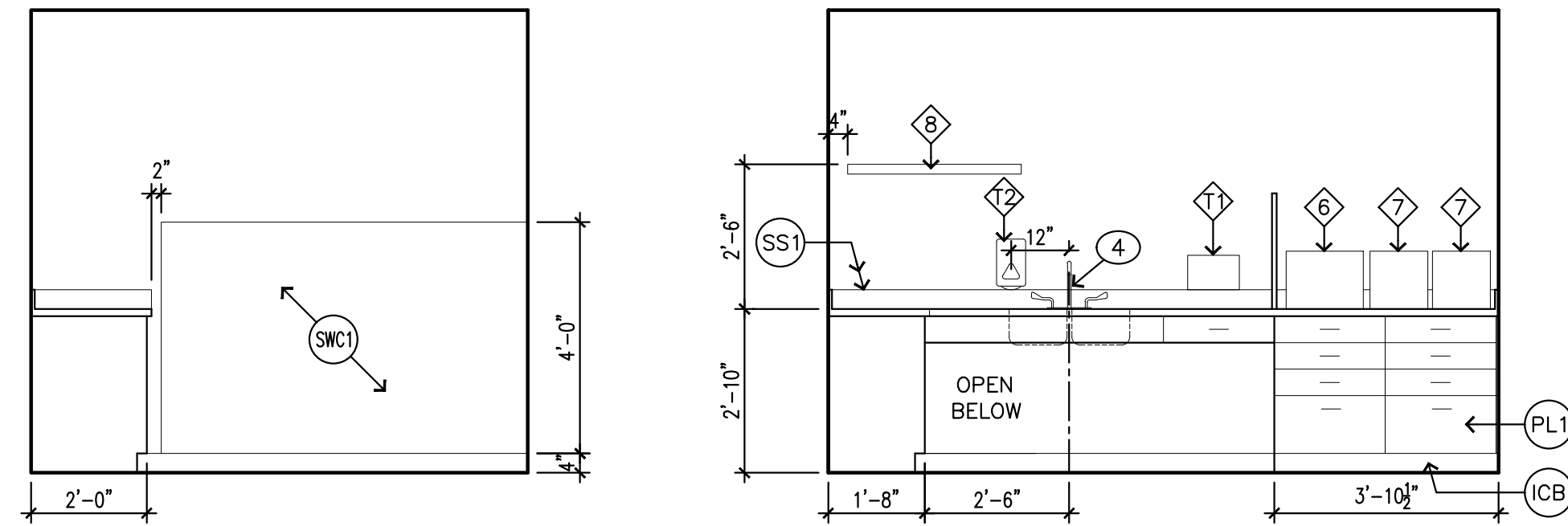
SHEET #:  
**A4.13**



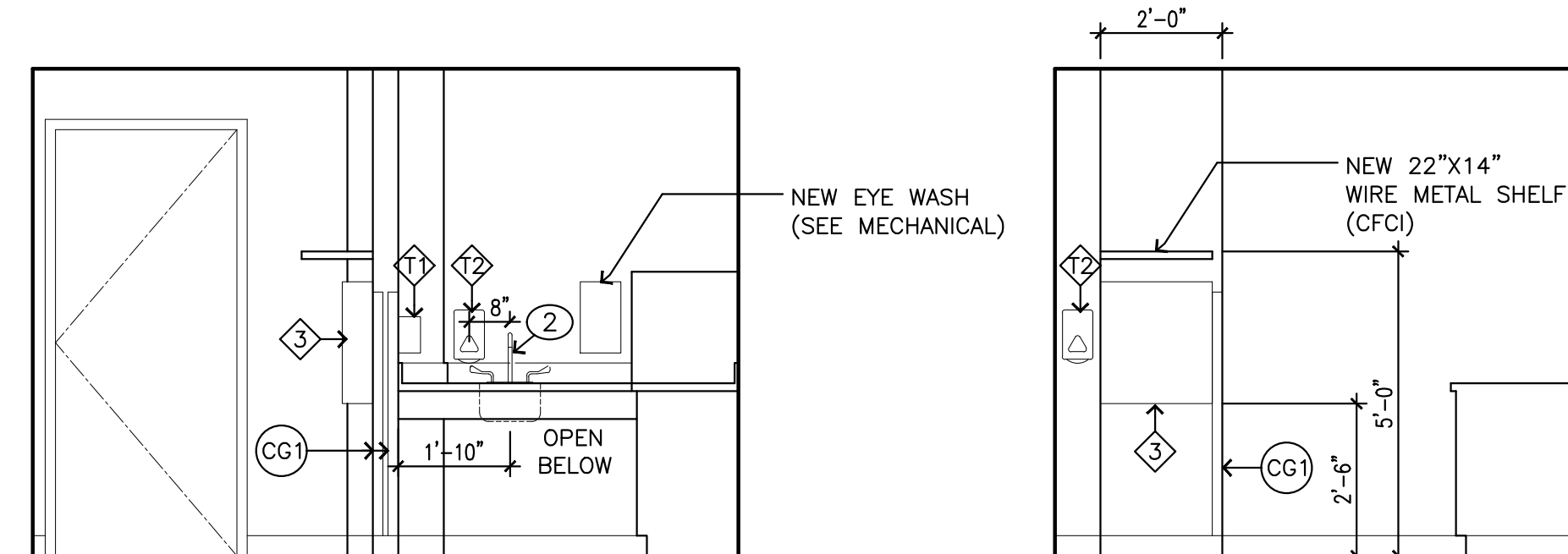
1 MOUNTING HEIGHTS (TYPICAL)  
SCALE: 3/8" = 1'-0"

MARK	DATE	DESCRIPTION
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1 Soiled Utility / POCT (3402)  
SCALE: 3/8" = 1'-0"



1 Soiled Utility / POCT (3402)  
SCALE: 3/8" = 1'-0"

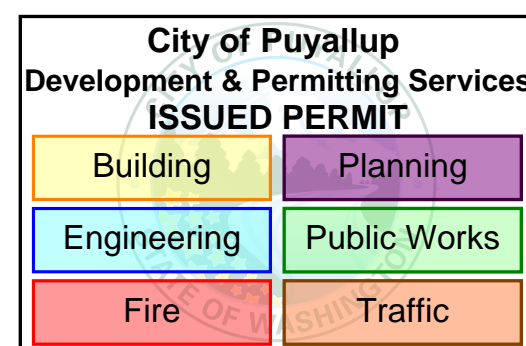
**EQUIPMENT NOTES:**

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**MultiCare** BetterConnected

PRCT120240313

PROJECT NAME:  
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GSMOB  
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SHEET TITLE:  
**INTERIOR ELEVATIONS**

SHEET #:  
**A6.1**

**FINISH SCHEDULE**

ROOM #	ROOM NAME	FLOORING			BASE		NORTH WALL			EAST WALL			SOUTH WALL			WEST WALL			CEILING			CODED NOTES	WAINSCOT			ROOM #
		MATL	FIN	CLR	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	CLR	MATL	FIN	HEIGHT		MATL	HEIGHT	WALL	
3402	SOILED UTILITY / POCT WORKROOM	(E)CONC	SV	SV1	ICB	SV1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	(E)GWB	PT	PNT-1	ACT1	FF	8'-0"	①②	SWC1	48"	E	3402

**GENERAL NOTES**

- AN ASTERISK (\*) IN THE FINISH SCHEDULE REFERENCES CODED NOTES IN THE REMARKS COLUMN.
- ALL FLOORING / COLOR TRANSITIONS, WHERE REQUIRED, SHALL BE CENTERED UNDER DOOR.
- PAINT ALL INTERIOR MECHANICAL LOUVERS, WHERE EXPOSED, TO MATCH ADJACENT SURFACE, UNLESS NOTED OTHERWISE.
- SEE REFLECTED CEILING PLAN FOR CEILING FINISH INFORMATION.
- PAINT ALL DOOR AND RELITE FRAMES, NEW AND EXISTING, UNLESS NOTED OTHERWISE.
- SEE INTERIOR ELEVATIONS FOR FINISHES ON WALLS WITH MULTIPLE FINISHES.
- FLOORING INSTALLATION TO COORDINATE WITH CASEWORK INSTALLATION.

**CODED NOTES**

- ① NEW FLOORING
- ② NEW CEILING

**ABBREVIATIONS**

- ADJ ADJUSTABLE
- AC ACOUSTIC TREATMENT
- ACC ACCORDION DOOR
- ACT ACOUSTICAL CEILING TILE
- ADA AMERICANS WITH DISABILITIES
- AV AUDIO/VISUAL
- AWC ACOUSTICAL WALLCOVERING
- AWP ACOUSTICAL WALL PANEL
- BD BOARD
- BRK BRICK
- BROOM LIGHT BROOM FINISH (CONCRETE)
- CAB CABINET
- CG CORNER GUARD
- CLR COLOR
- CK CORK
- CMU CONCRETE MASONRY UNIT
- CONC CONCRETE
- CPT CARPET
- CT CERAMIC TILE
- CS CONCRETE, SEALED
- CSV COVERED SHEET VINYL
- DF DRINKING FOUNTAIN
- (E) EXISTING
- EP EPOXY PAINT
- EX-S EXPOSED STRUCTURE
- FF FACTORY FINISH
- FIN FINISH
- FLR FLOOR
- FRP FIBERGLASS REINFORCED PLASTIC
- GMU GLAZED MASONRY UNIT
- GYP GYPSUM WALL BOARD
- GWB GYPSUM WALLBOARD
- MATL MATERIAL
- MDF MEDIUM DENSITY FIBERBOARD
- MTL METAL
- MTL-S METAL SIDING
- MASN MASONRY
- NIC NOT IN CONTRACT
- NTS NOT TO SCALE
- OC ON CENTER
- OP OPERABLE PARTITION
- PLAM PLASTIC LAMINATE
- PL PLASTIC LAMINATE
- PLA PLASTER
- PNL PANEL
- PR(##) PROJECTION SCREEN (LENGTH)
- PT PAINT
- PTD PAPER TOWEL DISPENSER
- PWD PLYWOOD
- RB RUBBER BASE
- RF RUBBER FLOORING
- RC ROLL-UP CURTAIN
- SD LIQUID SOAP DISPENSER
- SEM SURFACE-MOUNTED ENTRY MAT
- SF STOREFRONT
- SV SHEET VINYL
- TB(##) TACK BOARD (LENGTH)
- TBS TO BE SELECTED
- TG TONGUE & GROOVE CEDAR, STAINED
- TP TOILET PARTITION
- TYP TYPICAL
- UNO UNLESS NOTED OTHERWISE
- UPT UNGLAZED PORCELAIN TILE
- V VOLUME
- VCT VINYL COMPOSITION TILE
- VP VENEER PLASTER
- VWC VINYL WALLCOVERING
- WB(##) WHITE BOARD (LENGTH)
- WD WOOD
- WOM WALK OFF MAT
- WRGWB WATER-RESISTANT GYP BD

**MATERIALS LIST**

- (ACT) ACOUSTICAL CEILING TILE – MATCH EXISTING, 24"x24"x3/4" ARMSTRONG PRELUDE XL #796
- (CG) CORNER GUARD: CONSTRUCTION SPECIALTIES, 52" A.F.F. X 2" CORNER GUARD, 90 DEGREES, TO MATCH WALL CONDITION, COLOR – "ANTIQUÉ WHITE"
- (PNT-1) PAINT – WALL FIELD COLOR: MPI STANDARDS LOW VOC LATEX EGGSHELL FINISH: RHODDA, #19-05-909 "BARRISTER WHITE"  
DOOR AND RELITE FRAMES: ALKYD ENAMEL, EGGSHELL
- (PL) PLASTIC LAMINATE #1 – CASEWORK FACES (CABINETS/ DRAWERS): MATCH EXISTING – "HUNTINGTON MAPLE"
- (SS1) SOLID SURFACE #1: CORIAN: "SAVANNAH" – ALL COUNTERTOPS & SILLS
- (SS2) SOLID SURFACE #2: CORIAN: "BISQUE" – ALL INTEGRAL SINKS
- (SV1) SHEET VINYL, TYPE 1, STANDARD #1, CLASS I: MANNINGTON PARADIGM, INTERSECT, "FOUNDATION" #PD111
- (ICB) 6" INTEGRAL COVERED BASE – CONTINUOUS BEAD OF CAULK AT TOP SEAM
- (SWC1) SYNTHETIC WALL COVERING #1: CONSTRUCTION SPECIALTIES TO 52" ABOVE FINISHED FLOOR (A.F.F.) WITH COLOR MATCHED CAULK, IN LIEU OF MATCHING TRIM. COLOR – ANTIQUÉ WHITE

**FUSION PARTNER SINGLE POINTS OF CONTACT INFO**

FUSION Partner	Category	FUSION Contact	Email	Phone
Wood/AMEC	Civil & Enviro Eng	Andy Clark	andy.clark@woodplc.com	704.357.5630
Armstrong	Ceilings/Acoustics	Louis John	ljohn@armstrongceilings.com	407.697.6768
CertainTeed	Ceilings/Acoustics	Bernie Shalvey	Bernard.g.shalvey@saint-gobain.com	704-779-7337
RockFon	Ceilings/Acoustics	Diana Hart	Diana.hart@rockfon.com	860-338-6417
USG	Ceilings/Acoustics	Blake Panno	bpanno@usg.com	515-707-9179
Bohler	Civil & Enviro Engineering	Dan Duke	DDUKE@bohlerdc.com	703-431-0013
Tyco/Simplex/Metasys (Via JCI)	Fire & Safety, Bldg. Automation	Eric Eley	eric.l.eley@jci.com	336.402.4907
Milliken	Flooring	John McCrudden	John.McCrudden@Milliken.com	201.306.2569
Shaw	Flooring	Eric Scherer	eric.scherer@shawinc.com	469.878.0759
Tarkett	Flooring	Frank Wiseman	Frank.Wiseman@tarkett.com	704.728.9552
HNI	Furniture	Brian Curtin	CurtinBR@HNI-ONE.COM	781.759.6859
Haworth	Furniture	Chris Tornblom	Chris.Tornblom@haworth.com	214.243.0264
Herman Miller	Furniture	Amanda Ryland	amanda_ryland@hermanmiller.com	484.645.4818
Carrier	HVAC	Greg Josefchuk	gregory.josefchuk@carrier.com	704-495-5941
Trane	HVAC	Bill Collar	BCollar@trane.com	843-834-2016
York (via JCI)	HVAC	Eric Eley	eric.l.eley@jci.com	336.402.4907
GE Current	Lighting & Controls	Jeff Irish	Jeffrey.irish@gecurrent.com	603.321.4935
SSR	MEP Engineering	Simon Gandica	sgandica@ssr-inc.com	832.570.6108
Syska Hennessy	MEP Engineering	Alex Myers	amyers@syska.com	704.910.8718
Suddath	Move Services	Bob Papuga	RPapuga@suddath.com	904.868.2168
Sherwin Williams	Paint & Coatings	Mark Spillman	Mark.D.Spillman@sherwin.com	216.906.6251
GAF	Roofing	Karyn Castro	karyn.castro@gaf.com	562.412.8154
Johns Manville	Roofing	Brad Burdic	Brad.Burdic@jm.com	303.809.4519
TISA Global	Signage	Nate Doney	ndoney@tisaglobal.com	503.327.5943

**City of Puyallup**  
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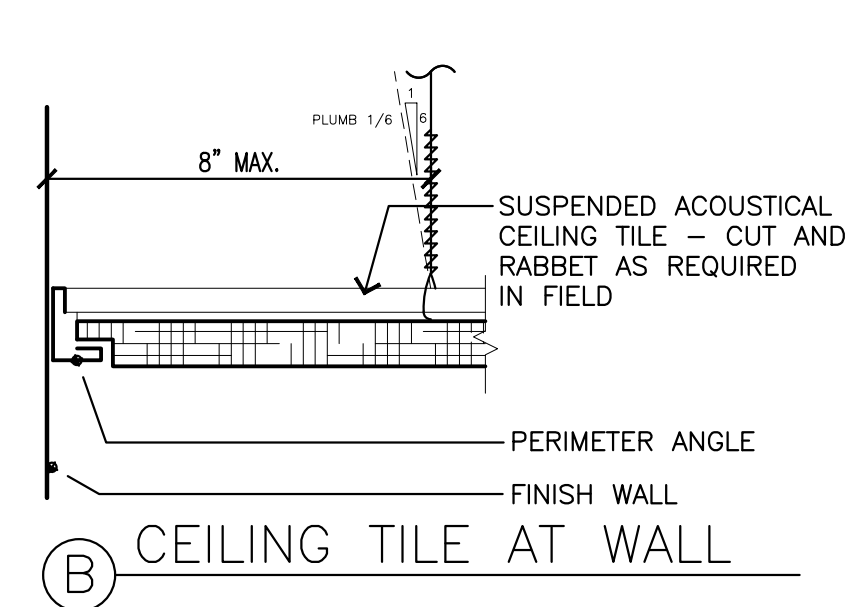
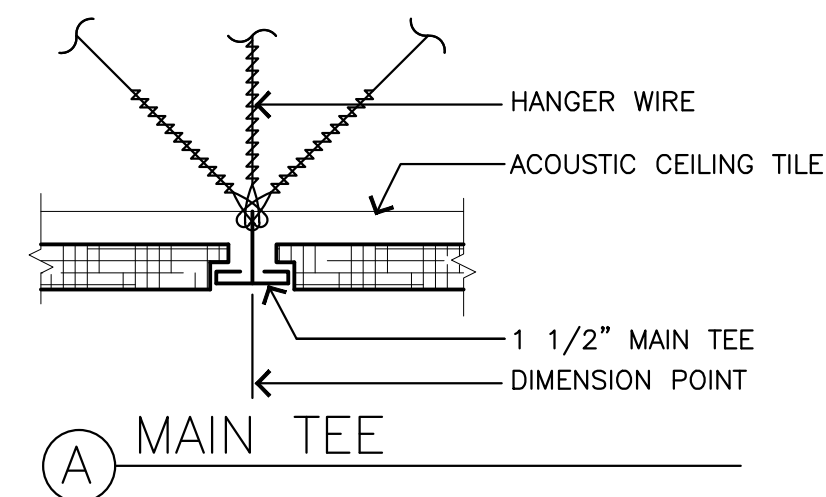
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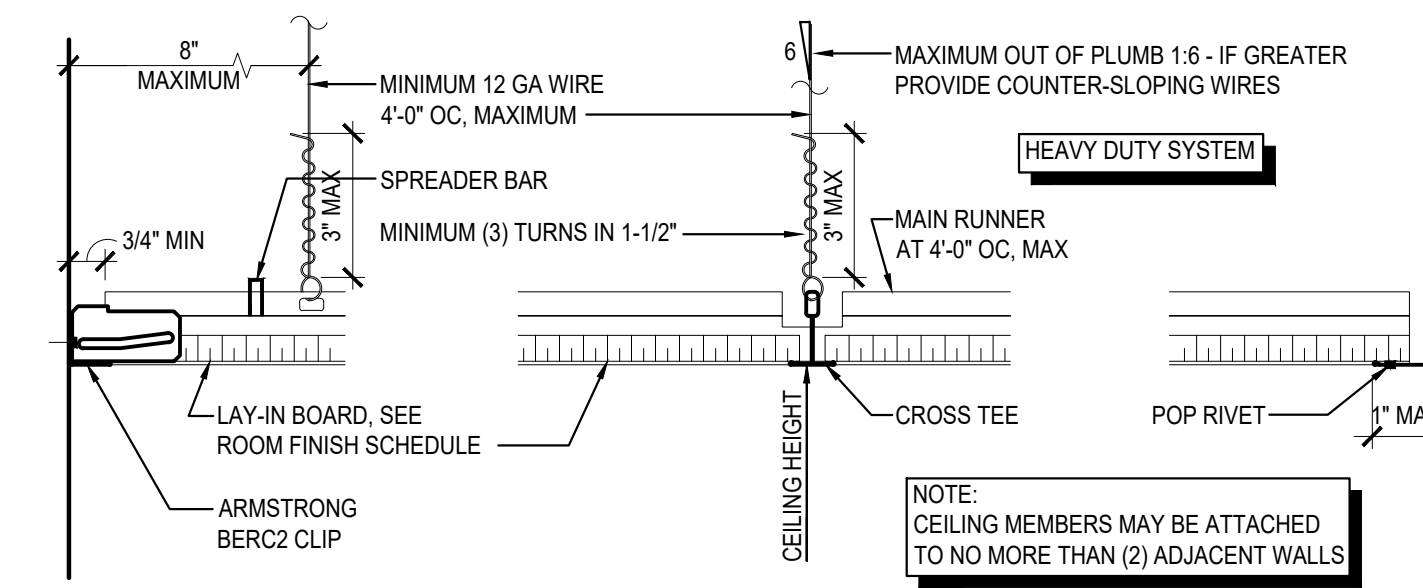
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**FINISH SCHEDULE**

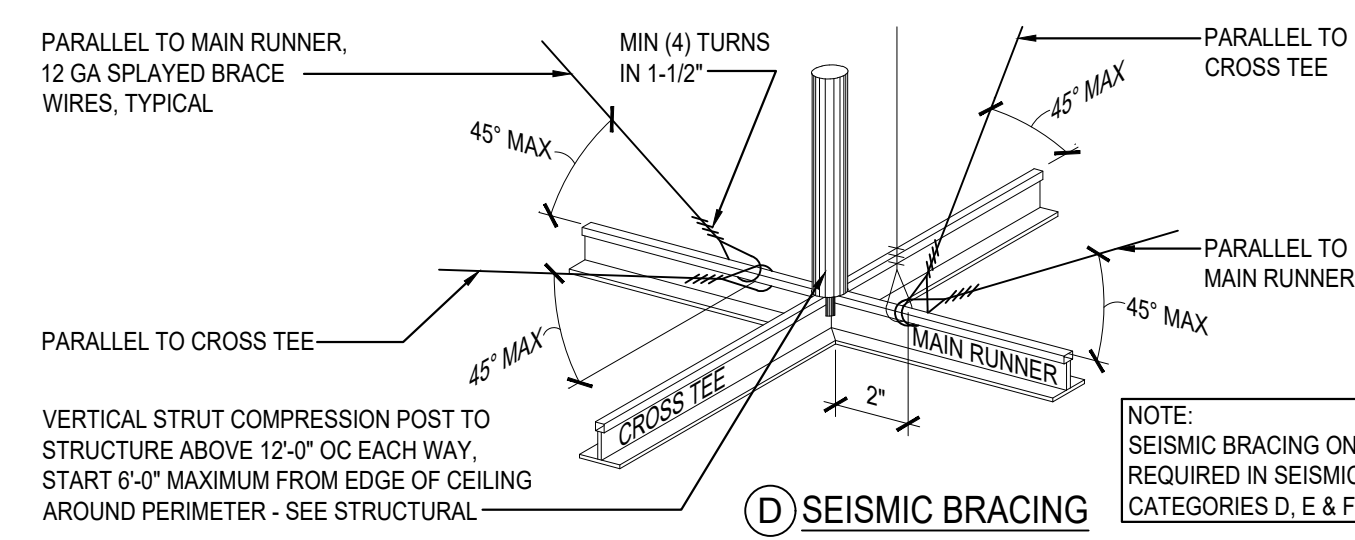
SHEET #:  
**A7.1**



14 ACOUSTICAL CEILING - TYPICAL  
SCALE: 1-1/2" = 1'-0"



A UNATTACHED WALL B MAIN RUNNERS & CROSS TEES C ATTACHED WALL

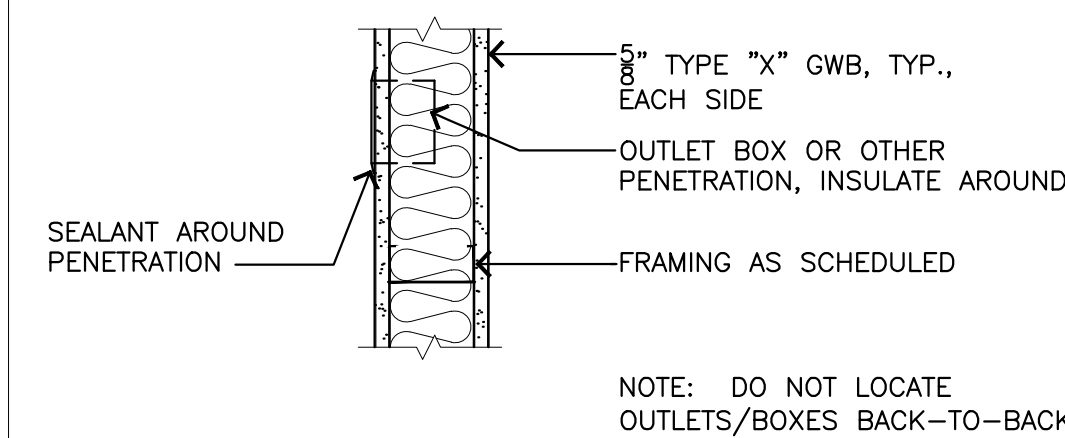


13 DETAIL AT CEILING TEE  
SCALE: 1-1/2" = 1'-0"

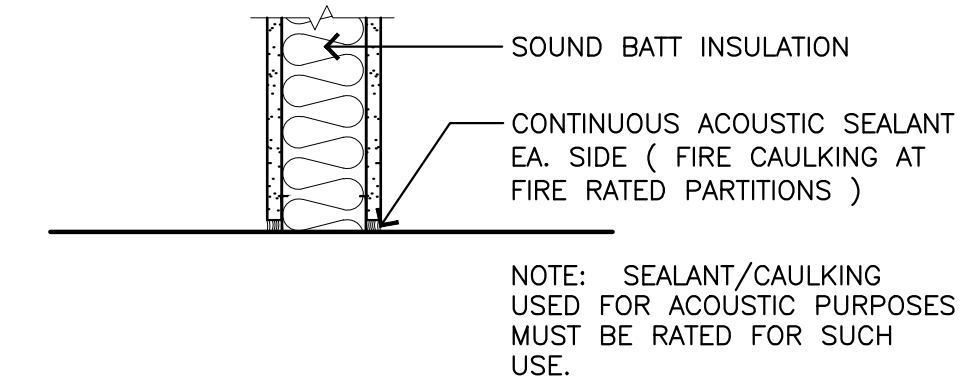
1 INTERIOR PARTITION TYPE 1: NR  
3/8" Type 'X' GWB to 12" above finished ceiling  
3-5/8" metal studs @ 16" o.c. to 12" above finished ceiling  
Sound attenuation batts to fill call cavity  
3/8" Type 'X' GWB to 12" above finished ceiling  
Brace walls to deck above

GENERAL WALL TYPE NOTES

- ALL WALL SUBSTRATES AND SHEATHINGS EXTEND TO DECK ABOVE UNO.
- PROVIDE FLOOR OR ROOF ACOUSTICAL INSULATION IN ALL INTERIOR FRAMED WALLS AND FLOOR/CEILING ASSEMBLIES UNO.
- ACOUSTICAL INSULATION NOT REQUIRED AT PARTIAL HEIGHT AND PARTIAL LENGTH (STUB) WALLS, WALLS BETWEEN STORAGE ROOMS, WALLS BETWEEN STORAGE ROOMS AND HALLWAYS, ELECTRICAL ROOMS, OR OTHER STORAGE ROOM
- ANY PENETRATION THROUGH A RATED WALL, INCLUDING THOSE FOR PIPES, CONDUITS, AND DUCTS SHALL BE FIRE CALKED. SEE MECH./ELEC. DRAWINGS FOR ITEMS THAT PENETRATE.
- TYPICAL INTERIOR WALL TYPE IS TYPE '1', UNO. TYPICAL INTERIOR WALL IS NOT FLAGGED, EXCEPT FOR CLARITY.
- ALL STUD FRAMING AND FURRING 16" O.C. UNO.
- A WALL TYPE CONTINUES THE FULL ROOM LENGTH, INCLUDING ANY JOGS, ANGLES, RECESSES, OR STUB WALLS, UNO. ANY WALL SEGMENT NOT FLAGGED IS TO BE CONSTRUCTED PER THE ADJACENT WALL OR NEAREST FLAGGED WALL, UNLESS SHOWN OTHERWISE.
- WHERE DIFFERENT STUD SIZES / LAYERS OF SHTHG OCCUR ALONG A CORRIDOR/ HALLWAY WALL, IT IS INTENDED THAT THE CORRIDOR SIDES ALIGN UNO.
- ALL GWB SURFACES AND MASONRY TO BE PREPARED FOR PAINT GRADE FINISH UNO.
- SEE INTERIOR ELEVATIONS FOR LOCATIONS OF P-LAM MDF, ACOUSTICAL PANELS OR OTHER APPLIED WALL FINISHES.
- USE WATER RESISTANT GYP. BD IN MOISTURE PRONE AREAS



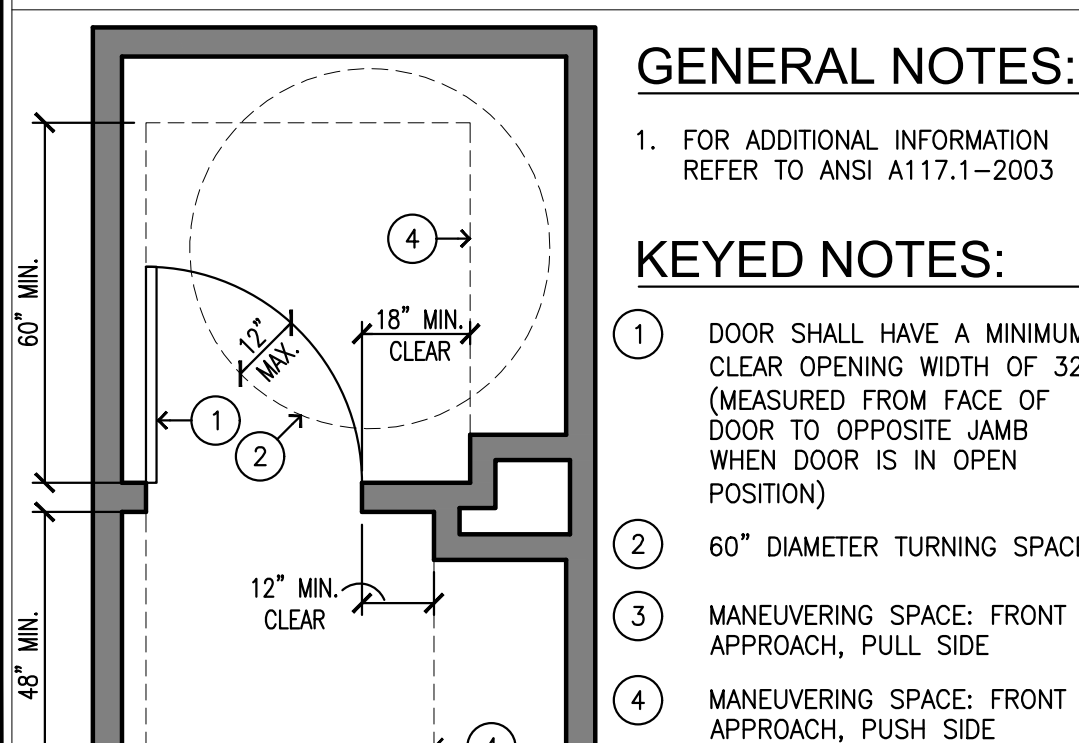
7 PARTITION - TYPICAL PENETRATIONS  
SCALE: 1-1/2" = 1'-0"



6 PARTITION - TYPICAL SILL  
SCALE: 1-1/2" = 1'-0"

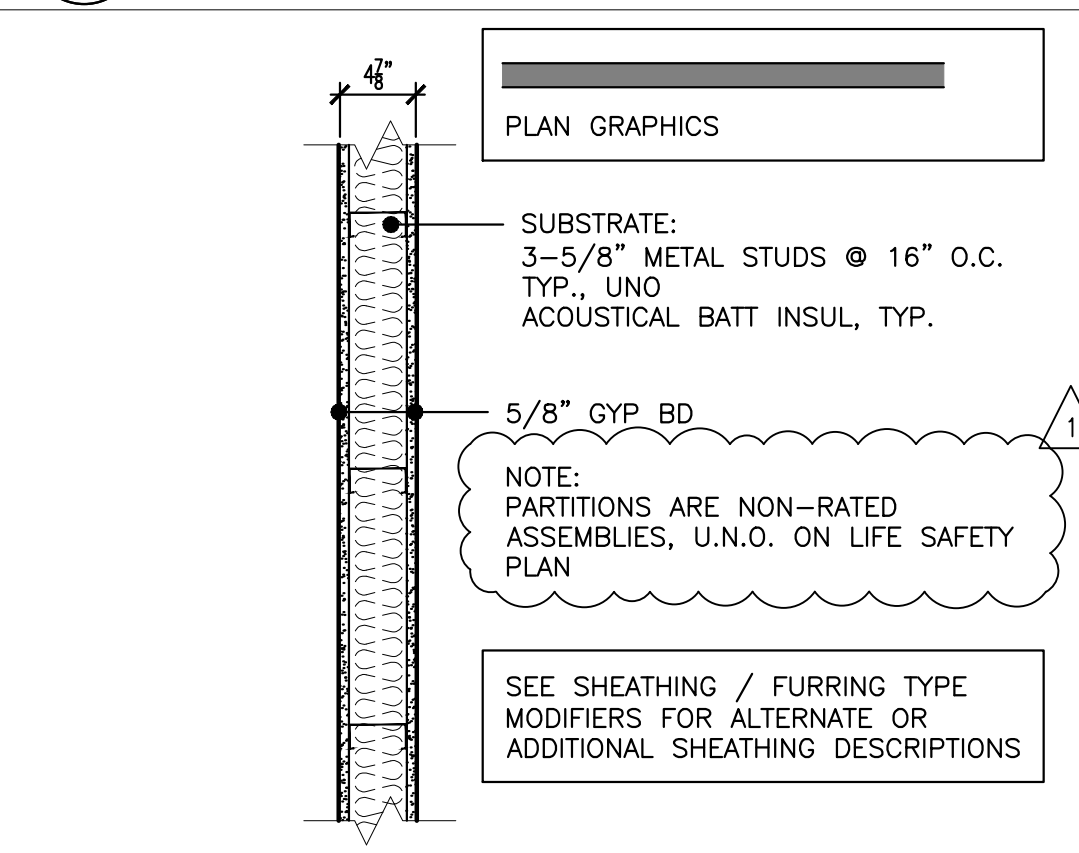
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Engineering	Public Works
Fire	Traffic



5 ADA DOOR - MANEUVERING SPACE  
SCALE: 3/8" = 1'-0"

4 WALL TYPES  
SCALE: 1/2" = 1'-0"



1 TYPICAL INTERIOR PARTITION  
SCALE: 1" = 1'-0"

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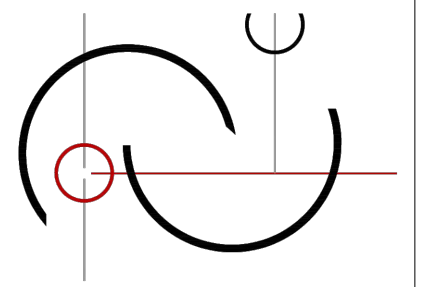
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SHEET TITLE:  
**WALL TYPES, DETAILS**

SHEET #:  
**A8.0**



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HealthCare Architecture

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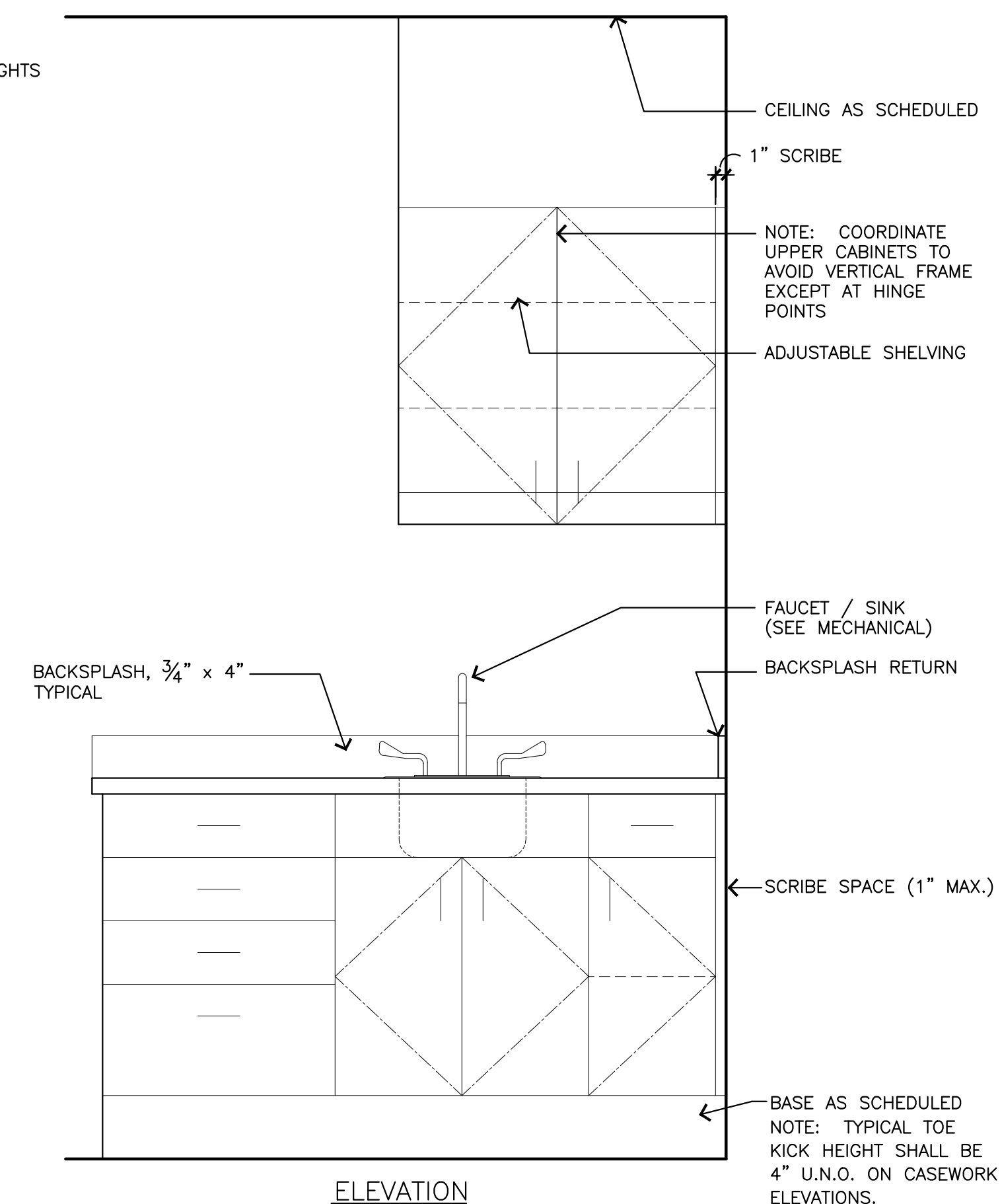
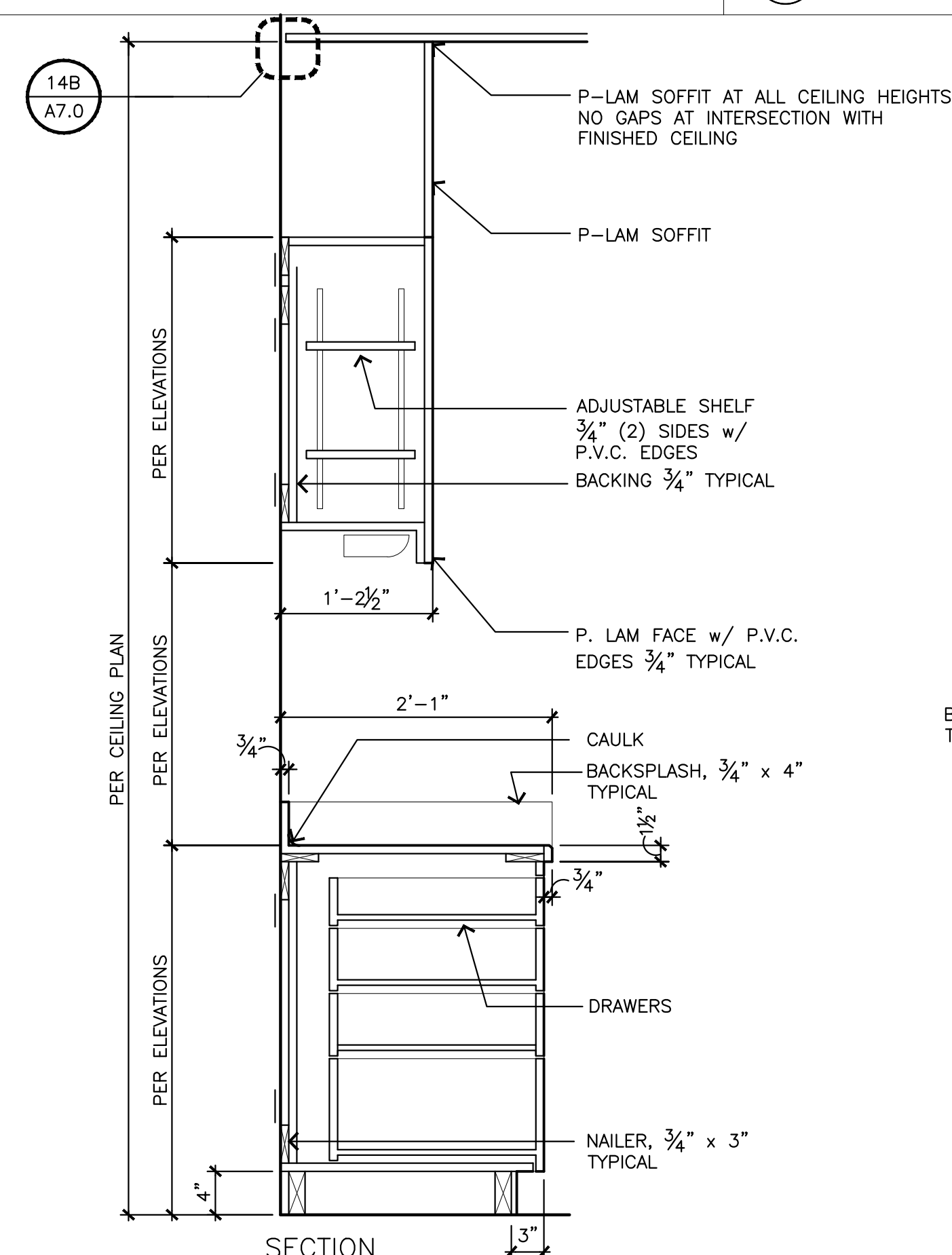
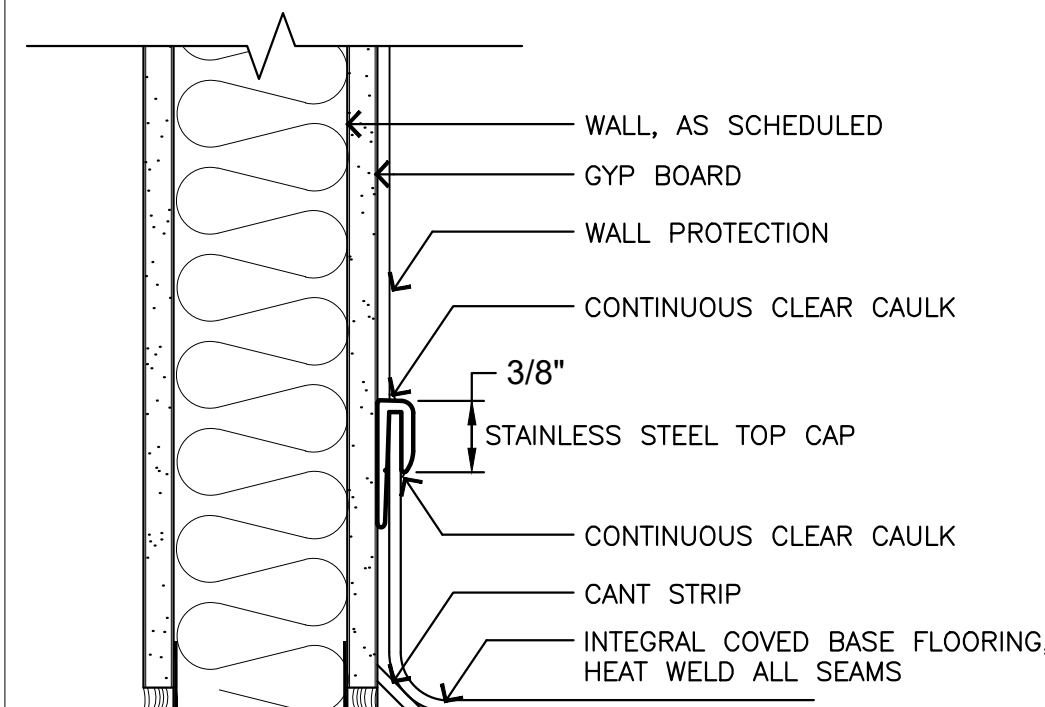
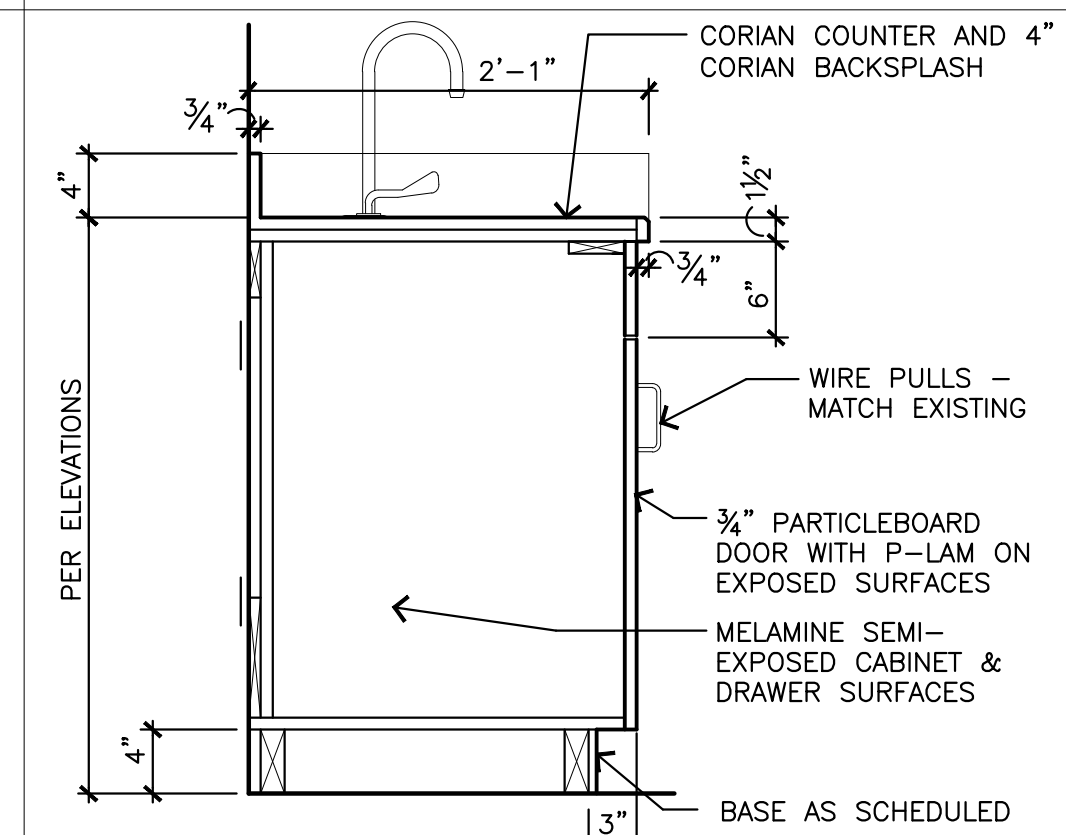
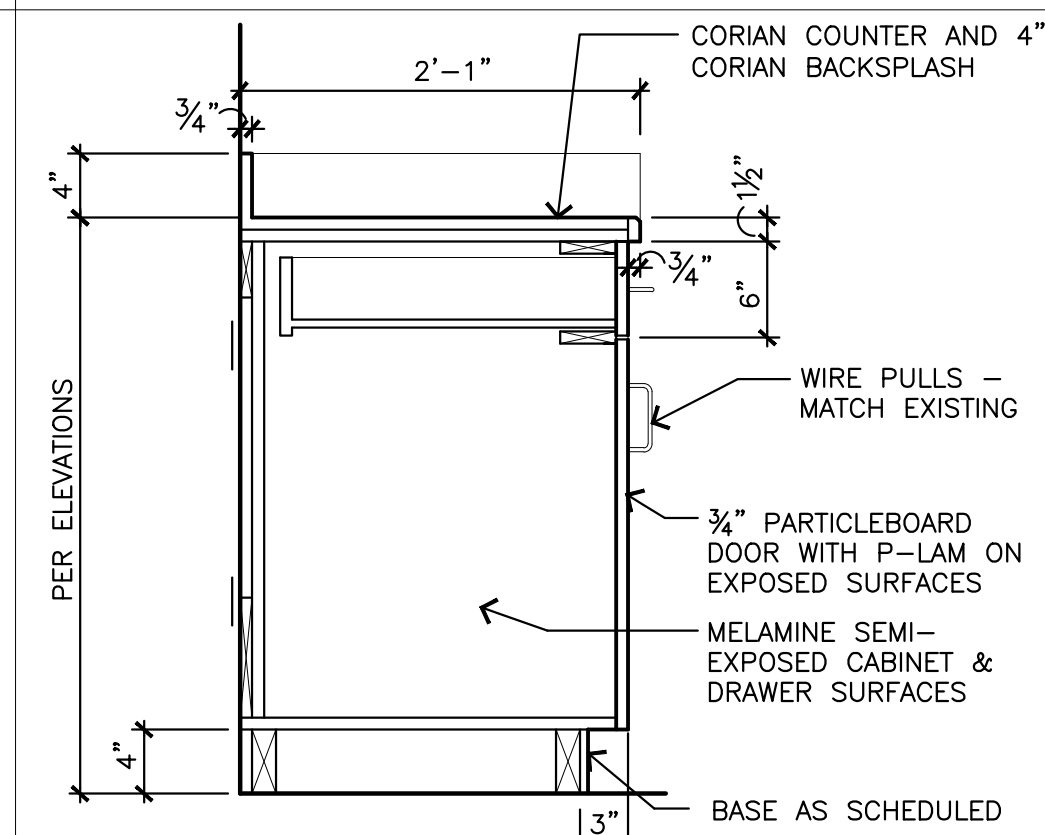
InSight Healthcare Architecture

SHEET TITLE:

DETAILS

SHEET #:

**A8.1**



City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

## GENERAL LEGEND

SYMBOL	DESCRIPTION
	DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS SHOWN
	DETAIL SYMBOL: A = IDENTIFYING NUMBER B = SHEET WHERE DETAIL IS TAKEN C = SHEET WHERE DETAIL IS SHOWN
	SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN
	SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS TAKEN C = SHEET WHERE SECTION IS SHOWN
	SECTION CUT LINE INDICATOR
	KEYED REFERENCE NOTE OR SHEET NOTE
	POINT OF CONNECTION (POC) SYMBOL
	PLUMBING FIXTURE REFERENCE (REFER TO SCHEDULE)
	EQUIPMENT IDENTIFICATION (REFER TO SCHEDULES)
	MEDICAL GAS OUTLET IDENTIFICATION (REFER TO SCHEDULE)
	MEDICAL GAS ZONE VALVE STATION MOUNTED IN WALL
	MEDICAL GAS ALARM PANEL MOUNTED IN WALL
	MEDICAL GAS OUTLET
	REVISION CLOUD AND REVISION NUMBER
	BINARY (YES/NO) SENSING SWITCH (PIPE OR DUCT MOUNTED)
	BINARY (YES/NO) SENSING SWITCH (SURFACE MOUNTED)
	ANALOG SENSING DEVICE (PIPE OR DUCT MOUNTED)
	ANALOG SENSING DEVICE (SURFACE MOUNTED)
	ANALOG SENSING DEVICE (SURFACE MOUNTED) (APPROPRIATE FOR MEASURED FLUID) SUBSCRIPT LETTER (X) INDICATES: A - ALARM PRESSURE SENSOR D - DIFFERENTIAL PRESSURE F - FLOW RATE H - HUMIDITY L - LOW LIMIT P - PRESSURE (STATIC) T - TEMPERATURE V - VELOCITY & VOLUME FLOW RATE

## ABBREVIATIONS

ABBR	DESCRIPTION	ABBR	DESCRIPTION	ABBR	DESCRIPTION
ABV	ABOVE	L	LENGTH		
AD	ACCESS DOOR	LAT	LEAVING AIR TEMPERATURE		
AHU	AIR HANDLING UNIT	LBS	POUNDS		
AL	ACOUSTIC LINED	LF	LINEAR FOOT/FEET		
AP	ACCESS PANEL	LVG	LEAVING		
APD	AIR PRESSURE DROP	LWG	LOW WALL GRILLE		
ARCH	ARCHITECT/ARCHITECTURAL	LWR	LOW WALL REGISTER		
ARV	AUTOMATIC RELIEF VALVE or ACID RESISTANT VENT	LWT	LEAVING WATER TEMPERATURE		
ARW	ACID RESISTANT WASTE	MAX	MAXIMUM		
BDD	BACKDRAFT DAMPER	MCC	1000 BRITISH THERMAL UNITS PER HOUR		
BFP	BACKFLOW PREVENTER	MCC	MOTOR CONTROL CENTER		
BHP	BRAKE HORSEPOWER	MECH	MECHANICAL		
BG	BELOW GROUND	MFR	MANUFACTURER		
BJ	BETWEEN JOISTS	MIN	MINIMUM		
BTU	BRITISH THERMAL UNIT	MISC	MISCELLANEOUS		
BTUH	BRITISH THERMAL UNITS PER HOUR	MTD	MOUNTED		
		MTG	MOUNTING		
C	CENTIGRADE	N/A	NOT APPLICABLE		
CC	COOLING COIL	N/C	NORMALLY CLOSED		
CD	CEILING DIFFUSER	N/O	NORMALLY OPEN		
CFM	CUBIC FEET PER MINUTE	NC	NOISE CRITERIA		
Cg	CEILING GRILLE	NIC	NOT IN CONTRACT		
CI	CAST IRON	NTS	NOT TO SCALE		
CLG	CEILING CLEANOUT	OA	OUTSIDE AIR		
CONC	CONCRETE	OBD	OPPOSED BLADE DAMPER		
CONN	CONNECT or CONNECTION	O/C	ON CENTER		
CONSTR	CONSTRUCTION	OD	OUTSIDE DIAMETER		
CONT	CONTINUATION	OPNG	OPENING		
CR	CONDENSATE RETURN	PCV	PRESSURE CONTROL VALVE		
DB	DECIBEL or DRY BULB	PD	PRESSURE DROP		
DDC	DIRECT DIGITAL CONTROL	PH or Ø	PHASE		
DIA	DIAMETER	PLCS	PLACES		
DM	DIMENSION	PCC	POINT OF CONNECTION		
DN	DOWN	PCCA	POINT OF USE ALARM		
DPR	DAMPER	PRV	PRESSURE REDUCING VALVE		
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH		
		PSIG	POUNDS PER SQUARE INCH GAGE		
E-100	EXHAUST AIR NUMBER INDICATES CFM QUANTITY	R-100	RETURN AIR NUMBER INDICATES CFM QUANTITY		
EA	EACH	RA	RETURN AIR		
EAT	ENTERING AIR TEMPERATURE	RA	RETURN AIR GRILLE		
EF	EXHAUST FAN	REQD	REQUIRED		
EG	EXHAUST GRILLE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR		
ELEC	ELECTRIC or ELECTRICAL	RPM	REVOLUTIONS PER MINUTE		
ELEV	ELEVATION	S-100	SUPPLY AIR NUMBER INDICATES CFM QUANTITY		
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	SA	SUPPLY AIR		
ESP	EXTERNAL STATIC PRESSURE	SF	SUPPLY FAN		
EWT	ENTERING WATER TEMPERATURE	SHT	SHEET		
EXH	EXHAUST	SIM	SIMILAR		
EXST or (E)	EXISTING	SP	STATIC PRESSURE		
		SQ	SQUARE		
		SQ FT	SQUARE FOOT/FEET		
		SS	STAINLESS STEEL		
		STD	STANDARD		
		THK	THICK		
		TRP	TRAP PRIMER or TEST PLUG		
		TYP	TYPICAL		
		TU	TERMINAL UNIT		
		UBC	UNIFORM BUILDING CODE		
		UFC	UNIFORM FIRE CODE		
		UMC	UNIFORM MECHANICAL CODE		
		UPC	UNIFORM PLUMBING CODE		
		UG	UNDERGROUND		
		UH	UNIT HEATER		
		VA	VALVE		
		VAC	VACUUM		
		VAV	VARIABLE AIR VOLUME		
		VD	VOLUME DAMPER		
		VEL	VELOCITY		
		VFD	VARIABLE FREQUENCY DRIVE		
		VTR	VENT THRU ROOF		
		W	WIDE		
		W/	WITH		
		W/O	WITHOUT		
		WB	WET BULB		
		WCO	WALL CLEANOUT		
		WG	WATER GAGE		
		WGE	WASTE GAS EVACUATION		
		WPD	WATER PRESSURE DROP		
		WT	WEIGHT		

## AIR DISTRIBUTION LEGEND

SYMBOL	ABBR	DESCRIPTION
		LIGHT LINework INDICATES EXISTING DUCT OR EQUIPMENT
		INDICATES DUCT OR EQUIPMENT TO BE REMOVED
		DUCT SIZE IN INCHES. FIRST SIZE LISTED IS SIDE SHOWN
		ACOUSTIC LINED DUCT
	R	DUCT OFFSET (UP) IN DIRECTION OF ARROW (NOT TYPICALLY SHOWN)
	D	DUCT OFFSET (DN) IN DIRECTION OF ARROW (NOT TYPICALLY SHOWN)
		ROUND DUCT IN INCHES
		OVAl DUCT IN INCHES
		CHANGE OF DUCT SIZE
		CHANGE OF DUCT SIZE (TRIANGLE NOT ALWAYS SHOWN)
		RECTANGULAR SUPPLY DUCT ELBOW TURNED UP
		RECTANGULAR SUPPLY DUCT ELBOW TURNED DOWN OR AWAY
		RECTANGULAR RETURN/EXHAUST DUCT ELBOW TURNED UP
		RECTANGULAR RETURN/EXHAUST DUCT ELBOW TURNED DOWN OR AWAY
		SMAlL RECTANGULAR DUCT ELBOW TURNED DOWN OR AWAY
		ROUND DUCT ELBOW TURNED UP
		ROUND DUCT ELBOW TURNED DOWN OR AWAY
		END OF DUCT WITH CAP (UNLESS INDICATED OTHERWISE)
	FLEX	FLEXIBLE DUCT
	AD	DUCT ACCESS DOOR
	VD	VOLUME DAMPER

## INSULATION REQUIREMENTS

**1. DUCT INSULATION REQUIREMENTS:**  
 SUPPLY DUCTS: R-3.3 INSULATION FOR ALL SUPPLY DUCTS WITHIN THE BUILDING ENVELOPE. R-8 INSULATION FOR OUTDOOR DUCTS OR DUCTS WITH OUTDOOR AIR. R-6 FOR DUCTS IN UNCONDITIONED SPACES.  
 RETURN DUCTS (ALL DUCTS TRAVELING FROM SPACE BACK TO AN AIR HANDLER): R-8 INSULATION FOR OUTDOOR DUCTS AND R-6 FOR DUCTS IN UNCONDITIONED SPACES.  
 ALL EXTERIOR DUCTS TO BE CLAD WITH ALUMINUM.

## DUCT CONSTRUCTION AND SEALING REQUIREMENTS

- SUPPLY DUCTWORK FROM AIR HANDLER TO TERMINAL UNITS:**  
 2: STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A).
- SUPPLY DUCTWORK DOWNSTREAM OF TERMINAL UNITS:**  
 1: STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A). SPIRAL LOCK SEAMS IN ROUND AND FLAT OVAL DUCTWORK DO NOT REQUIRE SEALING.
- EXHAUST AND RETURN DUCTWORK:**  
 2: STATIC PRESSURE CLASS WITH ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS SEALED (SMACNA SEAL CLASS A). 1" PRESSURE CLASS ACCEPTABLE BETWEEN GRILLES AND FIRST DAMPER.

## DRAWING INDEX

SHEET NUMBER	DESCRIPTION
M0.01	COVER SHEET, GENERAL NOTES, & INDEX
M0.02	MECHANICAL SPECIFICATIONS AND NOTES
M0.03	MECHANICAL SCHEDULES
M1.01	THIRD FLOOR HVAC PLAN - DEMO AND NEW
M3.01	MECHANICAL DETAILS

## GENERAL MECHANICAL NOTES

- CONTRACTOR SHALL SECURE, MAINTAIN, AND PAY FOR ALL REQUIRED PERMITS, LICENSES, AND INSPECTIONS FOR DURATION OF WORK UNLESS DIRECTED OTHERWISE.
- MATERIALS, METHODS, AND INSTALLATION SHALL COMPLY WITH THE PROVISIONS OF THE 2018 EDITIONS OF THE INTERNATIONAL MECHANICAL CODE, WASHINGTON STATE ENERGY CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL FIRE CODE, UNIFORM PLUMBING CODE, AND GOVERNING STATE AND LOCAL CODES AND ORDINANCES.
- THESE PLANS ARE SCHEMATIC AND DO NOT SHOW EXACT ROUTING OR EVERY OFFSET WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND IS TO VERIFY ALL CLEARANCES BEFORE COMMENCING WORK.
- ALL WORK SHALL COMPLY WITH THE OWNER'S REQUIREMENTS.
- SUBSTITUTIONS OF EQUIPMENT OTHER THAN AS SPECIFIED SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DESIGN CHANGES OR IMPACTS THAT THE PROPOSED EQUIPMENT SUBSTITUTION HAS ON OTHER DISCIPLINES. ANY ADDITIONAL ELECTRICAL, STRUCTURAL, MECHANICAL, OR ARCHITECTURAL REQUIREMENTS SHALL BE PROVIDED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- PLANS AND SPECIFICATIONS SHALL BE TAKEN TOGETHER. PROVIDE ALL WORK CALLED FOR IN EITHER. IN CASE OF CONFLICT BETWEEN SPECIFICATIONS AND PLANS THE MORE STRINGENT SHALL APPLY.
- ALL EQUIPMENT AND MATERIAL ON THE JOB SITE PRIOR TO INSTALLATION SHALL BE COVERED AND PROTECTED FROM DIRT, DUST, AND DAMAGE.
- PROVIDE ALL DEMOLITION WORK CALLED FOR OR REQUIRED BY THE INSTALLATION. REMOVE ALL EXISTING EQUIPMENT AND MATERIALS NOT REUSED UNLESS SPECIFIED OTHERWISE BY THE OWNER'S REP.
- VERIFY PHYSICAL DIMENSIONS OF EQUIPMENT TO ENSURE THAT ACCESS CLEARANCES CAN BE MET. COORDINATE FINAL EQUIPMENT LOCATIONS W/ GENERAL CONTRACTOR AND OTHER TRADES TO ALLOW FOR REQUIRED MECHANICAL EQUIPMENT CLEARANCES.
- PROVIDE NEC CODE MINIMUM HORIZONTAL AND VERTICAL WORKING CLEARANCES FOR ALL ELECTRICAL PANELS AND EQUIPMENT. OFFSET MECHANICAL WORK AS REQUIRED.
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF INSTALLATION STANDARDS AND CONSTRUCTION CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO SHOP FABRICATION AND/OR FIELD INSTALLATION. DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONSTRUCTION DRAWINGS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER. WORK DONE WITHOUT THE ENGINEERS APPROVAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL MECHANICAL EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR. ALL EQUIPMENT SHALL BE COMPLETE, INSTALLED, AND FULLY FUNCTIONAL PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- INSTALL ALL EQUIPMENT PER MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS. ANY CONFLICTS BETWEEN THE MANUFACTURERS DOCUMENTATION AND THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- DO NOT ALLOW ANY WORK TO BE COVERED UP OR ENCLOSED UNTIL INSPECTED, TESTED AND APPROVED BY OWNER'S REPRESENTATIVE OR AUTHORITY HAVING JURISDICTION.
- MECHANICAL EQUIPMENT SHALL NOT BE USED FOR TEMPORARY HEAT DURING CONSTRUCTION.

**COFFMAN ENGINEERS**  
 1101 2nd Avenue, Suite 400  
 Seattle, WA 98101  
 ph 206 623 0717  
 www.coffman.com

OWNER:

**MultiCare**  
 BetterConnected

PRCT120240313

PROJECT NAME:  
**MultiCare GSMOB 3rd Floor Soiled Utility Alterations**  
 1450 5th St SE  
 Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	9/8/2023	PERMIT SUBMITTAL #1
	4/3/2024	PERMIT SUBMITTAL #2

PROJECT NO. 31258

DRAWN BY:

DATE: 3 APRIL 2024  
 COPYRIGHT TO:

SHEET TITLE:  
**COVER SHEET AND GENERAL INFO**

SHEET #:  
**M0.01**

City of Puyallup  
 Development & Permitting Services  
**ISSUED PERMIT**

- Building
- Engineering
- Fire
- Planning
- Public Works
- Traffic



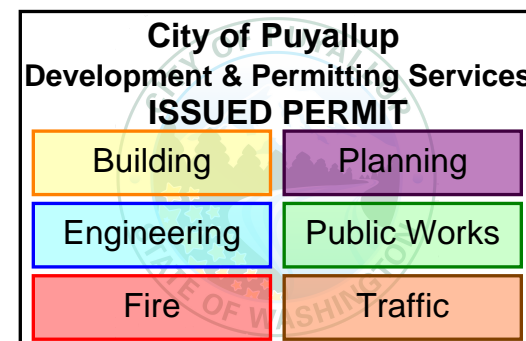
### TERMINAL UNIT SCHEDULE

UNIT NO.	BASIS OF DESIGN	SERVICE	INLET DIA. (INCHES)	AIRFLOW (CFM)			PRIMARY AIR TEMP (DEG F)	SUPPLY AIR TEMP (DEG F)	ELECTRIC DUCT HEATER			REMARKS
				HTG	MIN	MAX			KW	STEPS	V/PH	
1/3-11	TRANE VCEF W/ ELEC COIL	LOBBY / REGISTRATION / OFFICES	8	360	360	530	55	77	2.5	1	460/3	1,2,3

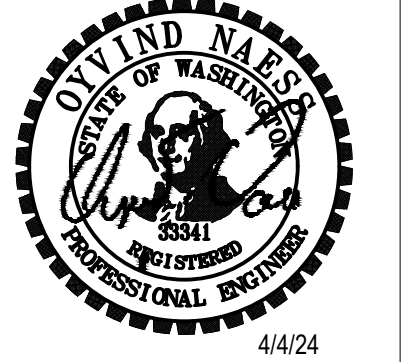
- NOTES:**
1. EXISTING VAV BOX TO BE REUSED. REBALANCE TO THE AIRFLOW INDICATED.
  2. INSULATION TYPE: 1/2" MATTE FACED
  3. FUSED DISCONNECT SWITCH, 460V/24V CONTROL TRANSFORMER, DDC CONTROLS.

### HEALTHCARE AIR CHANGE RATES

AREA SERVED	FUNCTION OF SPACE	FLOOR AREA (SQ. FT.)	ROOM HEIGHT (FT.)	ROOM VOLUME (CU. FT.)	ASHRAE 170 REQUIREMENTS				DESIGN AIRFLOW CONDITIONS					
					PRESSURE RELATIONSHIP	OUTSIDE AIR		TOTAL		PRESSURE RELATIONSHIP	OUTSIDE AIR (CFM)	MIN PRIMARY AIR (CFM)	EXHAUST (CFM)	TOTAL AIR CHANGES (AC/HR)
						MIN. AIR CHANGES (AC/HR)	MIN. AIR FLOW (CFM)	MIN. AIR CHANGES (AC/HR)	MIN. AIR FLOW (CFM)					
3402 SOILED UTILITY	Examination Room	98	8.0	784	N	2	26	6.0	78	N	27	80	130	9.9



1101 2nd Avenue,  
Suite 400  
Seattle, WA 98101  
ph 206.623.0717  
[www.coffman.com](http://www.coffman.com)



OWNER:



PRCT120240313

PROJECT NAME:

MultiCare  
GSMOB  
3rd Floor  
Soiled Utility  
Alterations  
1450 5th St SE  
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
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SHEET TITLE:  
MECHANICAL  
SCHEDULES

SHEET #:

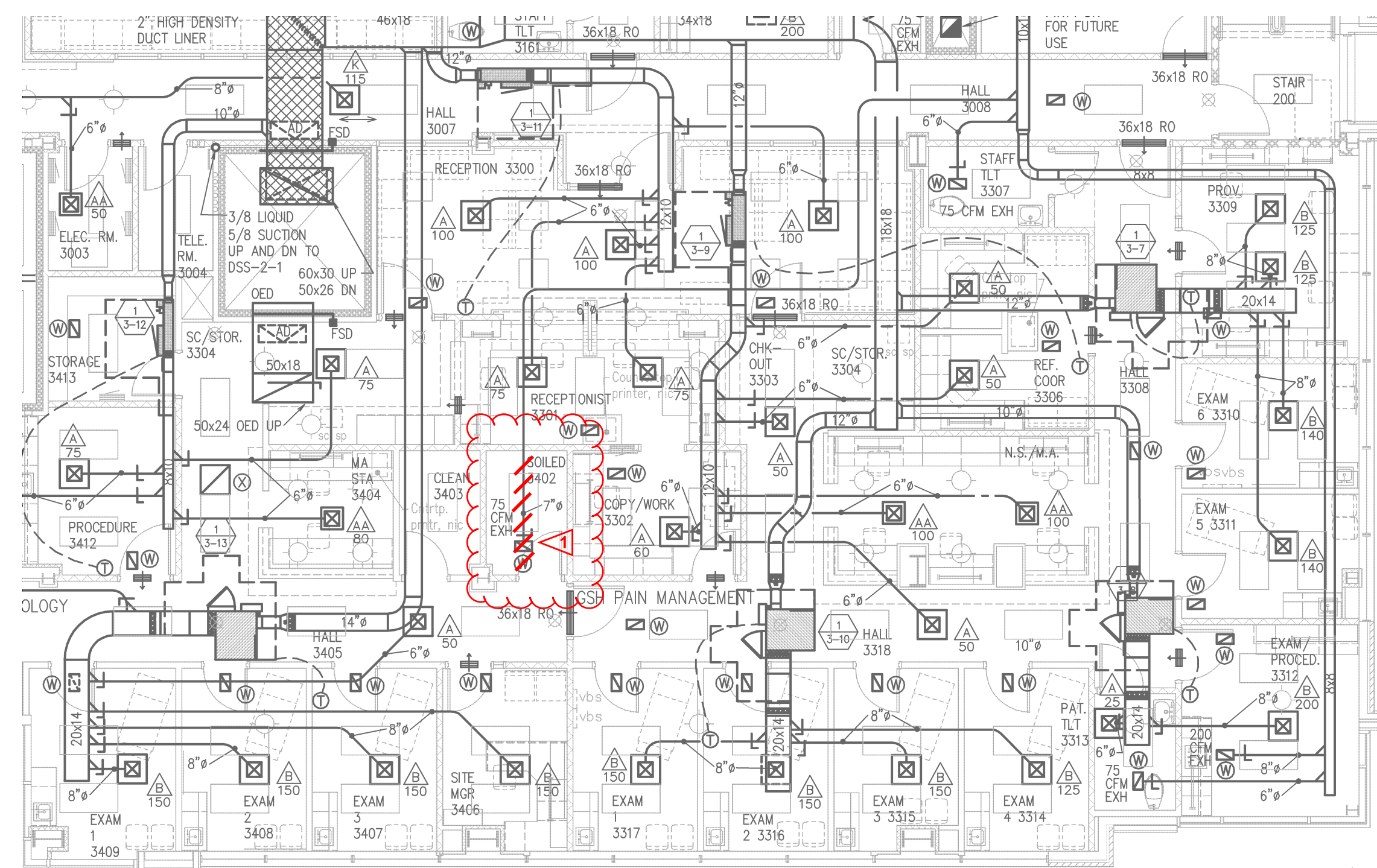
M0.03

**City of Puyallup**  
Development & Permitting Services  
**ISSUED PERMIT**

Building	Planning
Engineering	Public Works
Fire	Traffic

**SCOPE OF WORK:**

DEMO THE EXISTING EXHAUST GRILLE IN ROOM 3402  
SOILED. DEMO A PORTION OF THE CONNECTED BRANCH  
DUCTWORK FOR REROUTING.



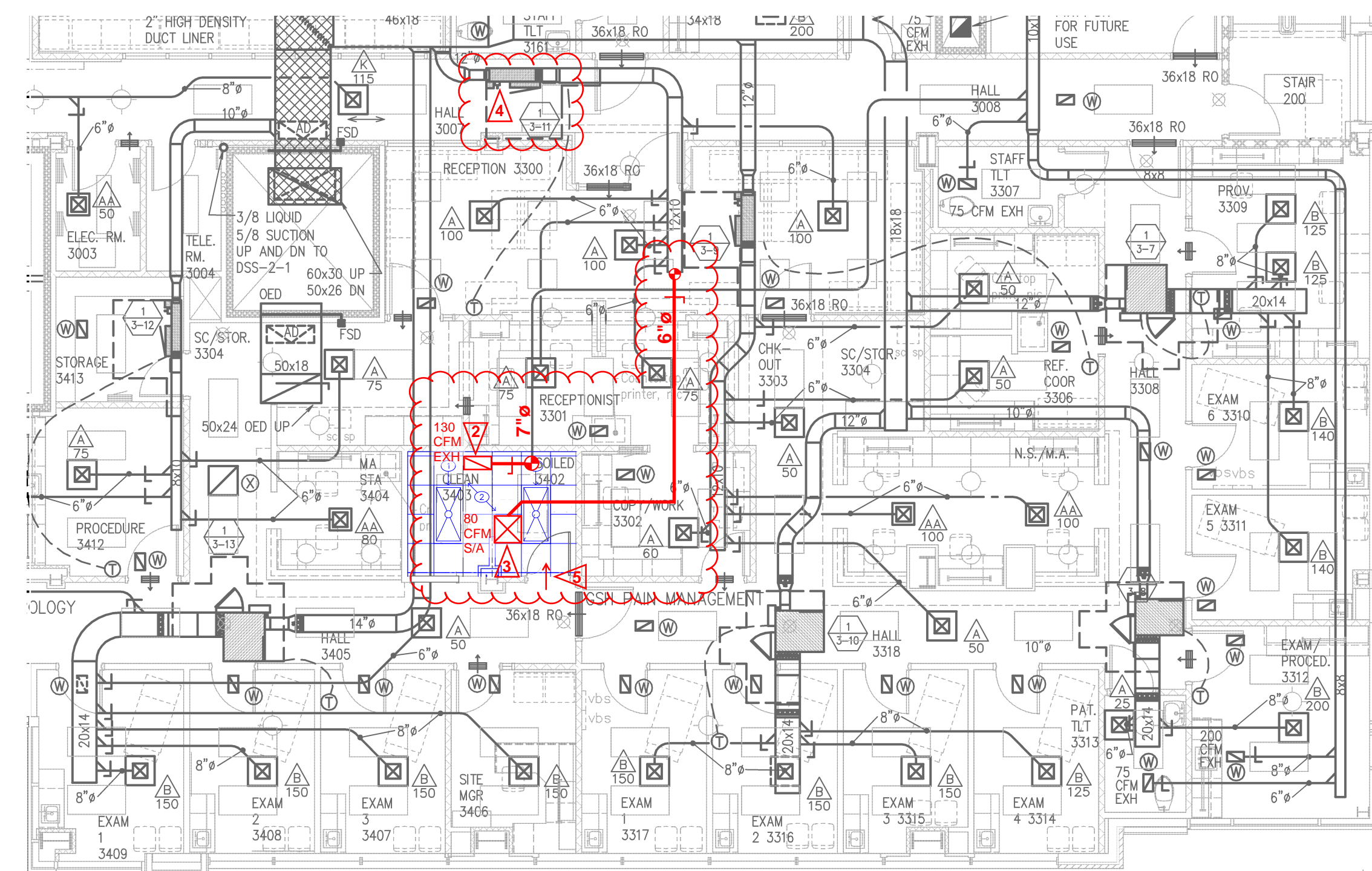
**THIRD FLOOR HVAC PLAN - DEMO**



THIRD FLOOR HVAC PLAN - DEMO

**SCOPE OF WORK:**

PROVIDE NEW SUPPLY DIFFUSER IN NEW SOILED ROOM,  
SERVED BY EXISTING VAV 1/3-11. PROVIDE NEW EXHAUST  
GRILLE CONNECTED TO EXISTING DUCTWORK.



**THIRD FLOOR HVAC PLAN**



THIRD FLOOR HVAC PLAN

**FLAG NOTES:**

- ▷ DEMO EXISTING CEILING GRILLE AND DUCTWORK AS SHOWN.
- ▷ PROVIDE NEW EXHAUST GRILLE. BASIS OF DESIGN: TITUS 50F WITH 22X10 NECK SIZE, 24X12 FACE SIZE, AND BORDER TYPE 3 LAY-IN.
- ▷ PROVIDE NEW SUPPLY DIFFUSER. BASIS OF DESIGN: TITUS MCD WITH 6X6 SQUARE NECK, 24X24 FACE SIZE, AND BORDER TYPE 3 LAY-IN.
- ▷ REBALANCE EXISTING VAV BOX. REFER TO TERMINAL UNIT SCHEDULE.
- ▷ ROOM TO BE NEGATIVELY PRESSURIZED PER CURRENT FGI REQUIREMENTS.



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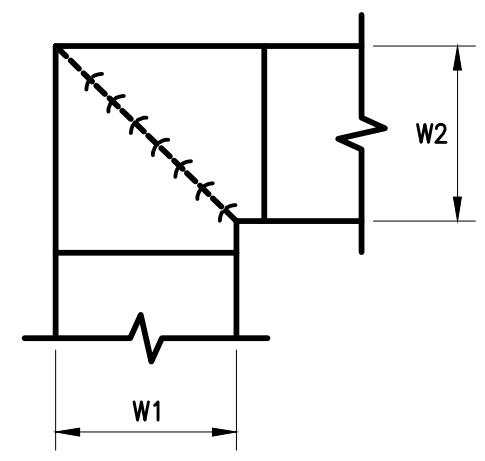
SHEET TITLE:

**THIRD FLOOR  
HVAC PLAN -  
DEMO AND NEW**

SHEET #:

**M1.01**

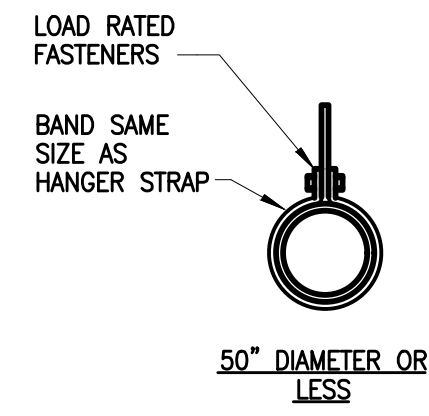




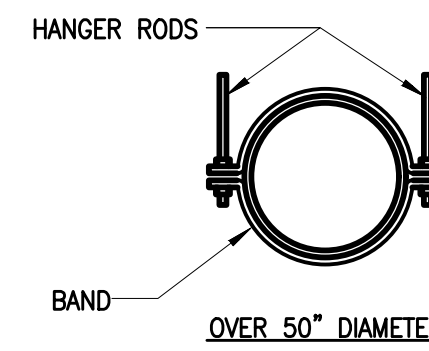
**NOTES:**

1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION, UNLESS OTHERWISE NOTED.
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" [50mm] RADIUS, 1 1/2" [40mm] MAXIMUM SPACE BETWEEN VANES, AND A 3/4" [20mm] TRAILING EDGE.
4. WHEN W EQUALS W2, AND W1 IS GREATER THAN 20" [500mm], VANES SHALL BE DOUBLE VANE TYPE, UNLESS OTHERWISE NOTED.

**1 MITERED DUCT ELBOWS W/VANES**  
M3.01 SCALE: NONE



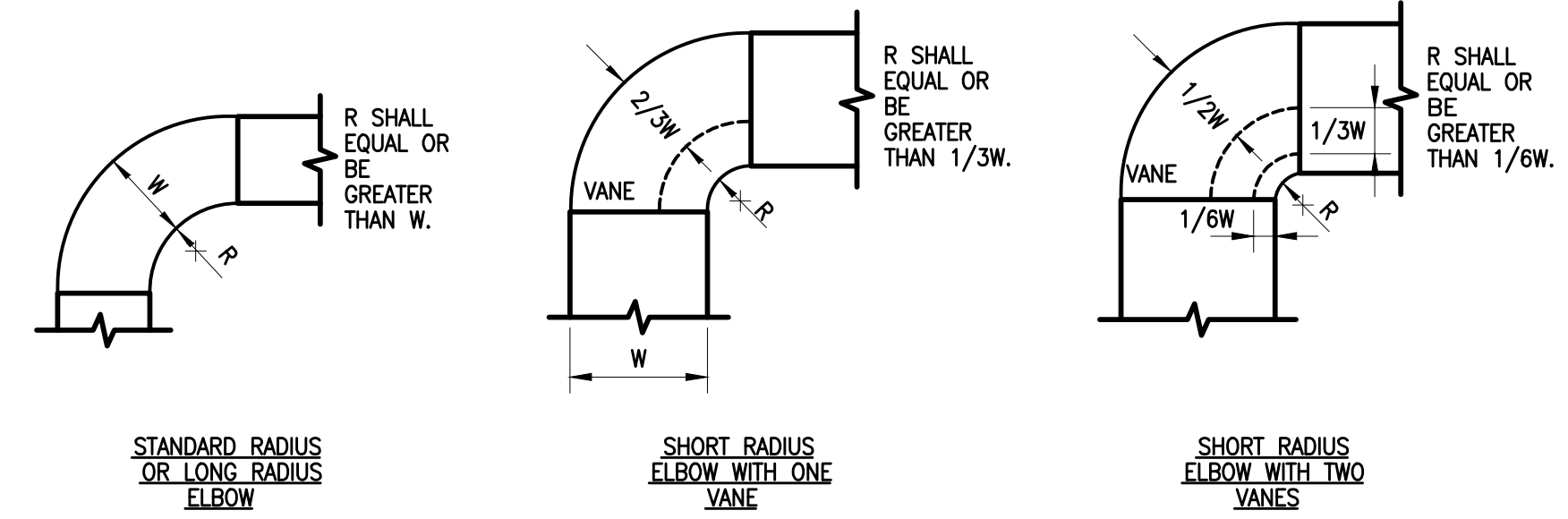
HANGER STRAPS OR RODS				
MAX. DUCT Ø IN. [mm]	QUANTITY/SIZE IN. [mm]	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]	
26 [650]	ONE 1 [25] x 22 GA STRAP	260 [119]	144 [3600]	
36 [900]	ONE 1 [25] x 18 GA STRAP	420 [190]	144 [3600]	
50 [1250]	ONE 1 [25] x 16 GA STRAP	700 [317]	144 [3600]	
60 [1500]	TWO 3/8 [10]Ø. RODS	1320 [598]	144 [3600]	
84 [2100]	TWO 1/2 [13]Ø. RODS	2500 [1133]	144 [3600]	



**NOTES:**

1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD

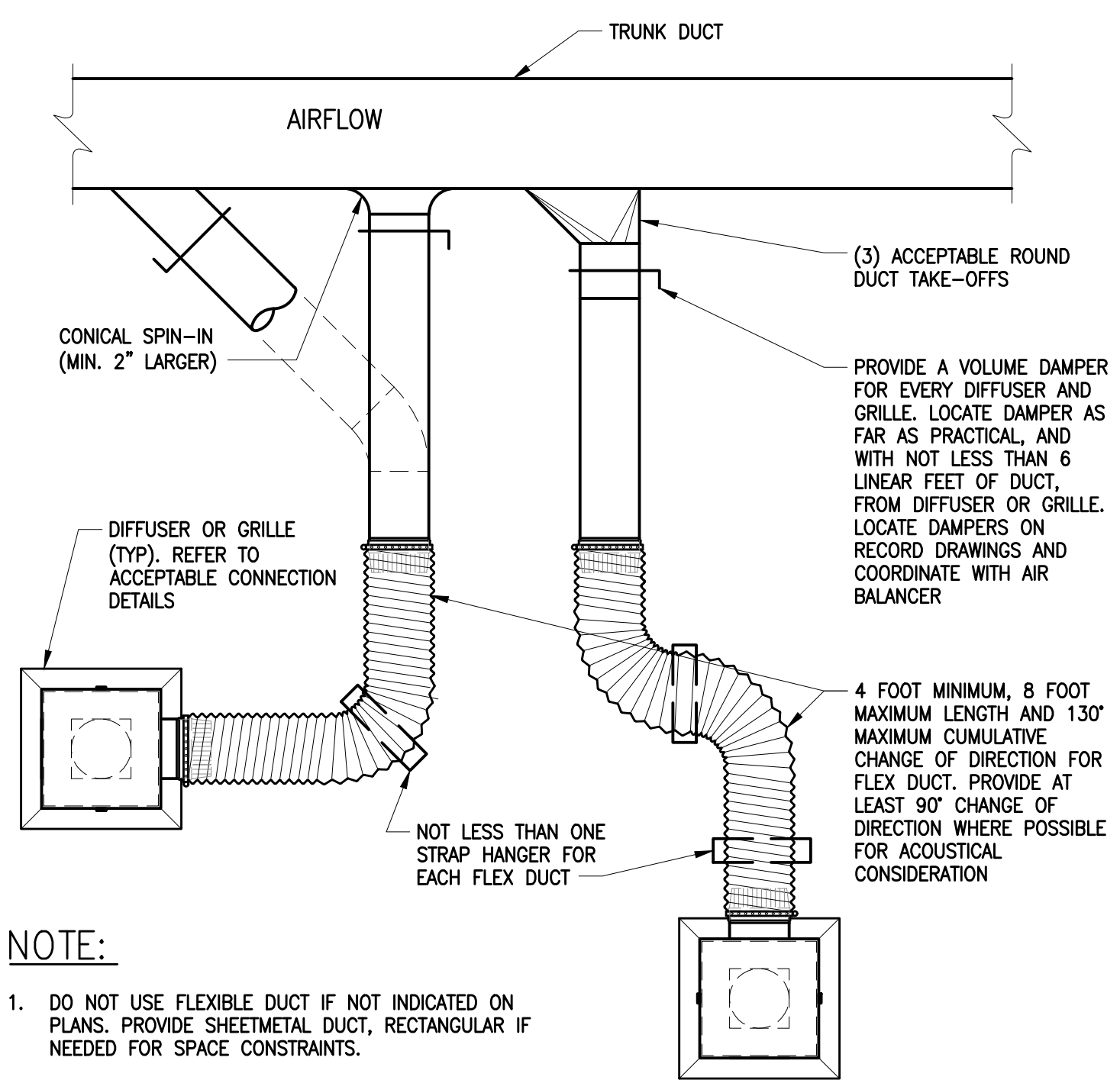
**2 ROUND DUCT HANGER DETAIL**  
M3.01 SCALE: NONE



**NOTES:**

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

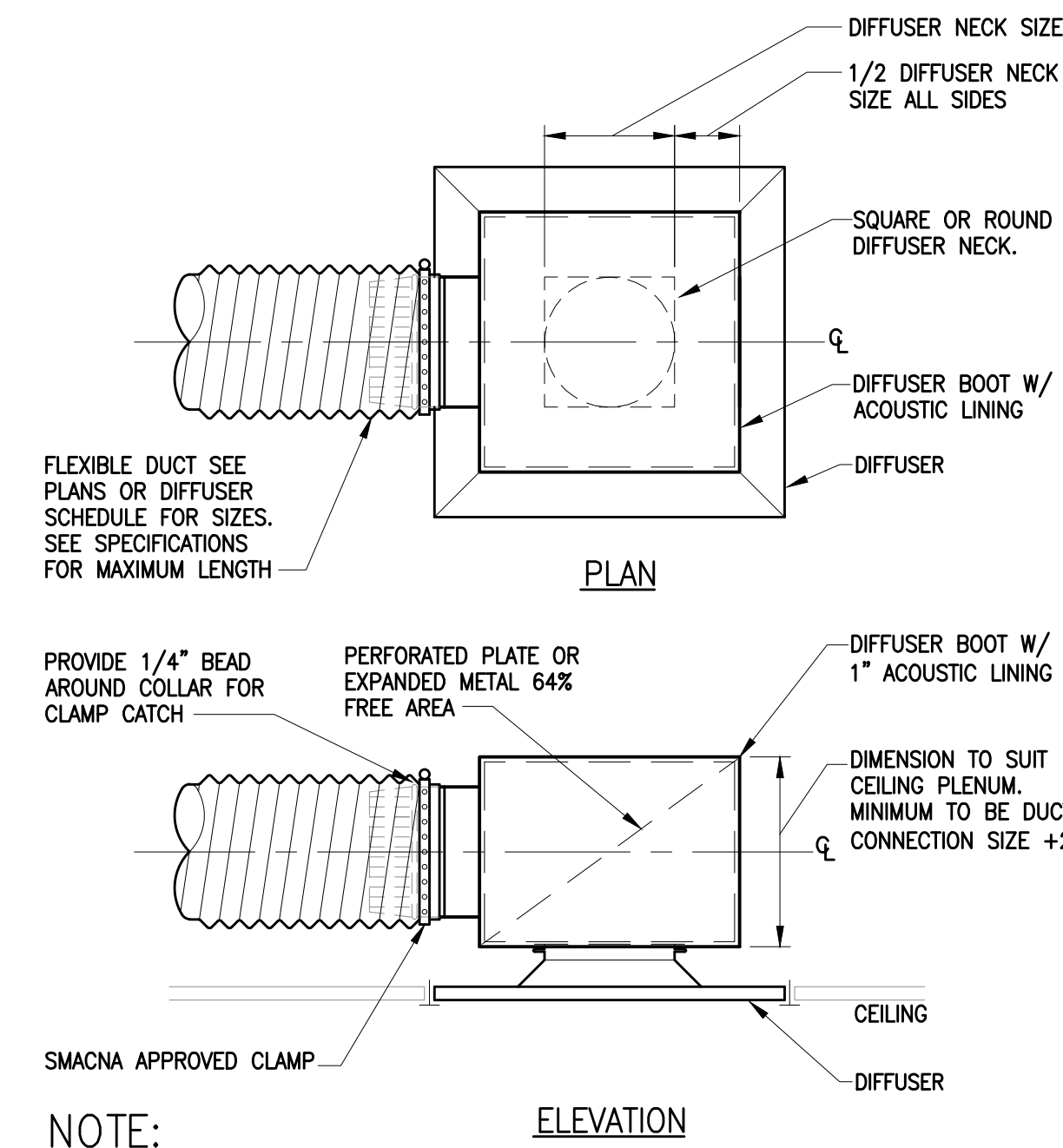
**3 DUCT RADIUS ELBOWS**  
M3.01 SCALE: NONE



**NOTE:**

1. DO NOT USE FLEXIBLE DUCT IF NOT INDICATED ON PLANS. PROVIDE SHEETMETAL DUCT, RECTANGULAR IF NEEDED FOR SPACE CONSTRAINTS.
2. APPLICABLE FOR LAB AND OFFICE SPACES ONLY.

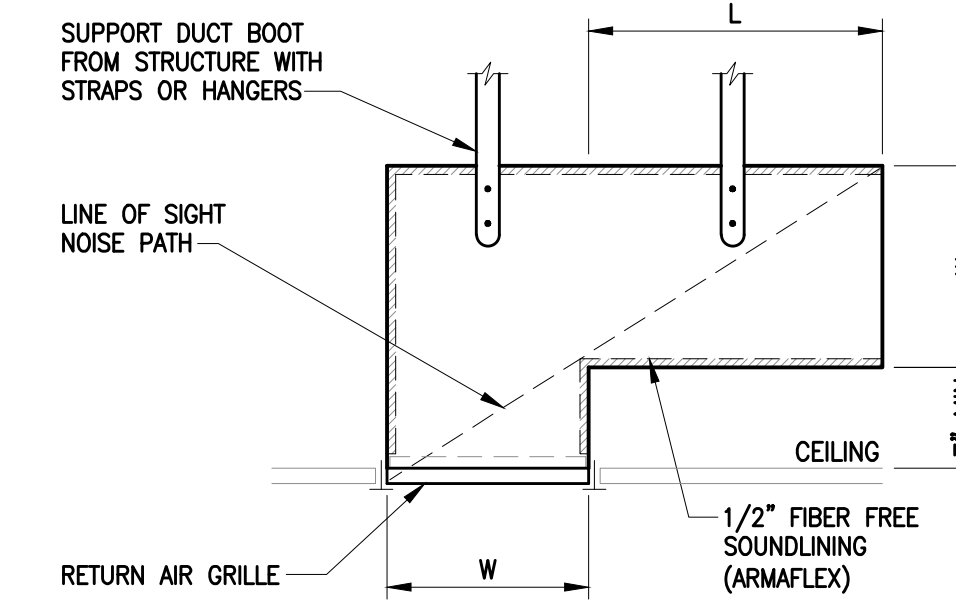
**4 CONNECTING DUCT FOR DIFFUSERS AND GRILLES DETAIL**  
M3.01 SCALE: NTS



**NOTE:**

- FLEXIBLE DUCT TO DIFFUSERS SHALL NOT BE USED ABOVE NON-REMOVABLE HARD CEILINGS. USE RIGID DUCT CONNECTIONS. APPLICABLE FOR LAB AND OFFICE SPACES ONLY.

**5 DIFFUSER CONNECTION DETAIL**  
M3.01 SCALE: NTS



**NOTES:**

1. RETURN AIR BOOT SHALL BE CONSTRUCTED OF SHEET METAL W/ 1/2" FIBER FREE SOUND LINING.
2. INSIDE OF BOOT SHALL BE PAINTED FLAT BLACK.
3. DIMENSION "W" IS EQUAL TO GRILLE WIDTH.
4. DIMENSION "L" SHALL BE SUFFICIENT TO PREVENT "LINE OF SIGHT" NOISE PATH OR 2'-0" MIN.

**6 RETURN GRILLE WITH BOOT DETAIL**  
M3.01 SCALE: NTS

City of Puyallup  
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Building	Planning
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4/4/24

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SHEET TITLE:  
**MECHANICAL  
DETAILS**

SHEET #:  
**M3.01**



PLUMBING SPECIFICATIONS

PLUMBING WORK, GENERAL

A. GENERAL REQUIREMENTS

- 1. Contract Requirements: Comply with Bidding and Contract Requirements as outlined by the Owner and Architect.
2. Work Included: This section applies to all mechanical work normally specified under Divisions 22 and 23.
3. Codes: Comply with all applicable codes and ordinances of the local and state code enforcing agencies.
4. Abbreviations: Where abbreviations are used in the specifications and on the drawings, the common industry definition shall apply unless indicated otherwise.
5. Submittals: Submit product data and shop drawings for all significant materials, equipment, and fixtures to the A/E for review.
6. Safety Measures: Provide a safe environment to protect employees and all others from injury.

B. PERFORMANCE OF WORK

- 1. Coordination: Coordinate mechanical work with all other trades and take all measurements necessary to ensure proper installation of mechanical work prior to start of fabrication.
2. Continuity of Service: Any systems or services within existing occupied buildings shall be maintained with minimum interruption.
3. Demolition: Provide mechanical system demolition in areas of existing buildings to accommodate installation of new work.
4. Cutting and Patching: Provide all cutting of building construction, as required for this work.
5. Project Completion: Record Drawings (As-Builts): Corrections and changes made during the progress of the work shall be neatly recorded as actually installed for as-built records.

C. PROJECT COMPLETION

- 1. Record Drawings (As-Builts): Corrections and changes made during the progress of the work shall be neatly recorded as actually installed for as-built records.
2. Operation and Maintenance Manuals: Provide (3) finished copies of Mechanical Operation and Maintenance Manuals, for work under this project.
3. Owner Instruction: Contractor shall instruct the Owner in the use and operation of all systems installed under this Contract.
4. Guarantee: Guarantee materials and workmanship for a period of one year after the date of substantial completion.

BASIC MATERIALS AND METHODS (APPLIES TO ALL WORK)

A. GENERAL

- 1. Work Included: This section applies to all mechanical work normally specified under Divisions 21, 22 and 23, and represents requirements in addition to the requirements stated in other sections.
2. Seismic Bracing: Provide complete seismic bracing for all new piping, ductwork, terminal units and equipment as required by the current IBC with all local amendments and ASCE/SCI 7-10 (the current code).
3. Connections to the Building Structure: Provide all necessary connections to the building structure for seismic restraints and supports.
4. Additional Framing: Provide steel framing members to transfer load from support points at hangers to locations where connections can be made to the building structure.

B. SUPPORT AND HANGERS

- 1. Support of Mechanical Systems: Each piece of equipment shall be supported (from above or below) in not less than four corners from the building structure.
2. Seismic Bracing: Provide complete seismic bracing for all new piping, ductwork, terminal units and equipment as required by the current IBC with all local amendments and ASCE/SCI 7-10 (the current code).
3. Connections to the Building Structure: Provide all necessary connections to the building structure for seismic restraints and supports.
4. Additional Framing: Provide steel framing members to transfer load from support points at hangers to locations where connections can be made to the building structure.
5. Pipe Hangers: Clevis or ring hangers with steel rods.
6. Hanger Rods: Hot rolled steel rod, ASTM A 36; size to "Code for Pressure Piping", ANSI B 31.1, with safety factor of 5.
7. Install high density pre-molded pipe insulation 180 degrees (half-shells) on bottom half of pipe at supports for piping greater than 1" in diameter, 6" long for piping 6" in size or smaller.

C. EQUIPMENT AND PIPING IDENTIFICATION

- 1. Nameplates: Provide nameplate for each piece of equipment, including equipment number and any special instruction for its use; laminated black and white plastic with lettering cut through to white background.
2. Pipe Identification: All piping in serviceable locations (including above lay-in ceilings) shall be identified with semi-rigid plastic or adhesive identification markers.
3. Miscellaneous Materials and Accessories: Dielectric Unions: Provide at each pipe connection between dissimilar metals.

D. MISCELLANEOUS MATERIALS AND ACCESSORIES

- 1. Dielectric Unions: Provide at each pipe connection between dissimilar metals.
2. Fire Sealing at Rated Walls and Floors: Provide UL listed fire rated putty at all pipe penetrations of rated walls and floors.
3. Motors: Unless otherwise specified, all electric motors furnished shall conform with the requirements of NEMA MG1 "Motors and Generators."
4. Interconnecting Wiring: Provide any necessary interconnecting wiring between individual components and accessories furnished with mechanical equipment packages.
5. Execution of Work: Installation, General: Follow manufacturer's instructions and utilize good industry practice when installing all work.

E. EXECUTION OF WORK

- 1. Installation, General: Follow manufacturer's instructions and utilize good industry practice when installing all work.
2. Concealment: Piping and ductwork shall be concealed within building construction, unless specifically indicated otherwise.
3. Water Sealing at Floors: Provide water tight sealing at each floor penetration including piping within wall cavities.
4. Coordination with Other Trades: Complete drawings and specifications of all trades will be furnished or will be available for inspection in the construction office at the jobsite.

4. Coordination with Other Trades: Complete drawings and specifications of all trades will be furnished or will be available for inspection in the construction office at the jobsite. Carefully check these drawings and specifications before installing any work. In all cases, consider the work of all other trades and coordinate work with that of the Sheet Metal, Piping, Plumbing, Electrical, and Site-work subcontractors, so that the best arrangement of all equipment, piping, conduit, ducts, and other related items can be obtained.

PLUMBING INSULATION

A. GENERAL

- 1. Manufacturers: Manville, Owens-Corning, Certainteed, or Knauf. Install in accordance with manufacturer's instructions.
2. Insulation Thickness: Refer to Insulation Requirements on the drawings for systems to be insulated and thickness of insulation.
3. Insulation Materials: Indoor Pipe Insulation: Fiberglass pipe insulation with all-service (vapor barrier) jacket shall be provided for all piping systems, except fire sprinkler systems.

B. INSULATION MATERIALS

- 1. Indoor Pipe Insulation: Fiberglass pipe insulation with all-service (vapor barrier) jacket shall be provided for all piping systems, except fire sprinkler systems.
2. Outdoor Pipe Insulation: Insulation and fittings same as specified for indoor pipe insulation.
3. Roof Drain Body Insulation: Flexible fiberglass blanket conforming to ASTM C 553, Type I, and nominal density not less than 1 lb. per cubic foot, covered with 8-ounce canvas and vapor retarder cement.

FIRE PROTECTION

A. GENERAL

- 1. Work Included: Design and provide alterations to, and extension of, the existing fire protection system, to accommodate the new space layout and install all work in accordance NFPA 13, all other applicable codes, standards, and regulations, and as required by the authority having jurisdiction.
2. System Type: Provide wet-pipe sprinkler protection for all heated areas.
3. Authorities: Comply with all requirements of the authorities, which shall include the State Fire Marshal, Local Building and Fire Departments, and Owner's Insurance Organization.
4. License: The Fire Sprinkler Contractor shall be state-licensed and regularly engaged in the design and installation of automatic sprinkler systems.
5. Design Drawings: Coordinate locations of sprinkler heads, valves, and other exposed items with Architect, then prepare complete design drawings and submit to the authorities for approval.

B. FIRE SPRINKLER SYSTEM MATERIALS

- 1. Approved Manufacturers: Viking Corp., Star Sprinkler Corp., Reliable Automatic Sprinkler Co., Grinnell Fire Protection Systems Co., "Automatic" Sprinkler Corp. of America, Central Sprinkler Corp., Globe Fire Equipment Co., Michigan.
2. General Components: All required components, including valves, flow switches, tamper switches, hangers, fittings, and other accessories, shall meet NFPA standards, and shall have UL and FM listing where such listing is available.
3. Pipe: ASTM-135 or ASTM A-53, stamped on pipe.
4. Sprinkler Heads: Where installed in suspended ceilings, sprinkler heads shall be chrome plated recessed pendant type with chrome escutcheons.

DOMESTIC WATER AND DRAINAGE

A. PIPING SYSTEMS

- 1. Domestic Water Piping: Type L copper water tube, hard drawn, ASTM B 88.
2. Domestic Piping Insulation: Preformed glass fiber with vapor barrier jacket and a flame spread index of 25 and a maximum smoke-developed index of 50, thickness per the current energy code.
3. Condensate Drain Piping and Fittings: Seamless Type L copper with 95-5 solder.
4. Small Valves (2" and smaller): Ball valves Fed. Spec. WW-V-35, 250-psi bronze or brass body, ball and stem, solder ends or screwed, Teflon seat and seal.
5. Roof Drain, Waste and Vent Piping: ASTM A74 standard weight hubless cast iron pipe, CISPI 301.

B. PLUMBING ACCESSORIES AND EQUIPMENT:

- 1. Reduced Pressure Backflow Preventer Assemblies: Reduced pressure type back-flow preventer; 3/4" to 2" size; bronze construction with isolating ball valves, strainer and air gap drain fitting.
2. Pressure Reducing Valves: 2 inch and smaller, complete with integral strainer, pressure gauge, and integral thermal expansion by-pass, bronze construction with stainless steel strainer.
3. Strainers: 2-1/2 inches and smaller, bronze, Y-pattern, threaded ends, 20-mesh stainless steel screen; 250 psi at 210 F.
4. Floor Drains: Smith 2005, double drainage, adjustable strainer head floor drain, ducco coated cast iron body, flashing collar, nickel bronze strainer with 1/4" holes.
5. Equipment, General: Provide all equipment consistent with the capacity, manufacturer, model number, and accessories as specified or indicated on the drawing schedules and notes.

PLUMBING FIXTURES

A. PLUMBING FIXTURE ACCESSORIES

- 1. Fixture Carriers: Provide cast iron or steel carriers for all wall-hung fixtures with concealed fixture carriers constructed for the particular fixture, heavy duty construction with secure anchoring to concrete floor.
2. Drains and Traps: Provide grid strainer drains for all lavatories unless indicated otherwise.
3. Stops: Provide chrome stops at each water connection to each fixture, except where a faucet or control has integral stops.
4. Caulking: Provide silicone sealer between the top and the sides of plumbing fixtures and adjacent wall surfaces; General Electric No. SCS/202.
5. Exposed Plumbing: In general, all piping shall be concealed unless indicated otherwise.

B. PLUMBING FIXTURES

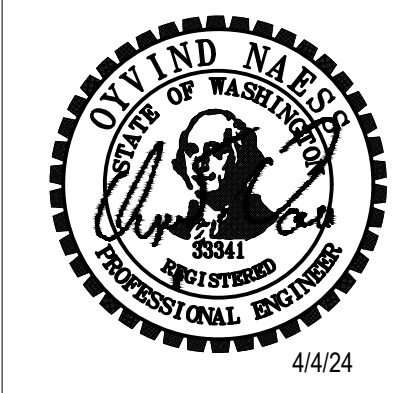
- 1. General: Provide the plumbing fixtures as on the drawings. Provide the manufacturer and model numbers as indicated; however, contractor shall verify model numbers of fixtures, flush valves, faucets, etc., fit together properly.
2. Exposed Plumbing: In general, all piping shall be concealed unless indicated otherwise.
3. Equipment, General: Provide all equipment consistent with the capacity, manufacturer, model number, and accessories as specified or indicated on the drawing schedules and notes.

END OF PLUMBING SPECIFICATION

City of Puyallup
Development & Permitting Services
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Building Planning
Engineering Public Works
Fire Traffic



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OWNER:



PRCT120240313

PROJECT NAME:

MultiCare GSMOB 3rd Floor Soiled Utility Alterations 1450 5th St SE Puyallup, WA 98372

Table with 3 columns: MARK, DATE, DESCRIPTION. Row 1: 9/8/2023, PERMIT SUBMITTAL #1. Row 2: 4/3/2024, PERMIT SUBMITTAL #2.

PROJECT NO. 31258

DRAWN BY: DATE: 3 APRIL 2024, COPYRIGHT TO:

SHEET TITLE: PLUMBING SPECIFICATIONS AND NOTES

SHEET #: P0.02

**PLUMBING FIXTURE SCHEDULE**

MARK	ITEM	FLOW RATE	SERVICE PIPE SIZE				BASIS OF DESIGN		REMARKS	NOTES
			WASTE	VENT	C.W.	H.W.	MANUFACTURER	MODEL		
S-1	SINK-COUNTER-1 COMPARTMENT  FAUCET	- 1.5 GPM	2 -	1-1/2 -	- 1/2	- 1/2	N.A. CHICAGO	N.A. 786-GN2FCXKABCP	INTEGRAL WITH SOLID SURFACE COUNTER AND INSTALLED BY GC. MC TO PROVIDE ROUGH IN.  DECK MOUNT, 4" WRIST BLADE HANDLES, GOOSENECK SPOUT, CERAMIC 1/4 TURN OPERATING CARTRIDGE. 1.5 GPM LAMINAR FLOW CONTROL. INSERT IN SPOUT INLET, PLAIN END SPOUT W/ NO AERATOR.	C, bb
S-2	SINK-COUNTER-2 COMPARTMENT  FAUCET	- 1.5 GPM	2 -	1-1/2 -	- 1/2	- 1/2	N.A. CHICAGO	N.A. 786-GN2FCXKABCP	INTEGRAL WITH SOLID SURFACE COUNTER AND INSTALLED BY GC. MC TO PROVIDE ROUGH IN.  DECK MOUNT, 4" WRIST BLADE HANDLES, GOOSENECK SPOUT, CERAMIC 1/4 TURN OPERATING CARTRIDGE. 1.5 GPM LAMINAR FLOW CONTROL. INSERT IN SPOUT INLET, PLAIN END SPOUT W/ NO AERATOR.	C, bb
EW-1	EMERGENCY EYE WASH (WALL MOUNTED)	3.2 GPM	-	-	1/2	1/2	GUARDIAN	G5026	WALL MOUNTED EYEWASH/DRENCH HOSE WITH 8 FT FLEXIBLE STAINLESS STEEL HOSE, TWO SPRAY HEADS WITH FLIP TOP DUST COVERS, AND MOUNTING BRACKET WITH SPRING CLIPS. PROVIDE WITH G6020 THERMOSTATIC MIXING VALVE. PROVIDE WITH SLOAN ETF-470-A CHECK VALVES ON HOT AND COLD INLET.	
NOTES:			STRAINER TYPES:				TRAPS:			
1. COORDINATE MOUNTING HEIGHT W/ ARCH'L INTERIOR ELEVATIONS.			A. LAVATORY GRID TYPE (ADA) "DEARBORN" 760W				aa. 1-1/4"x1-1/4" 17GA., "MCGUIRE" C8872			
2. LOCATE FLUSH VALVE HANDLE ON WIDE SIDE OF FIXTURE FOR ADA COMPLIANCE.			B. LAVATORY GRID TYPE, "DEARBORN" 760 I				bb. 1-1/2"x1-1/2" 17GA., "MCGUIRE" C8912			
			C. SINK GRID TYPE, "ELKAY" LK-18				cc. 2"x2"			
			D. SINK BASKET TYPE, "ELKAY" LK-99				dd. 3"x3"			

2018 WASHINGTON STATE ENERGY CODE - TABLE C403.10.3  
MINIMUM PIPE INSULATION THICKNESS (THICKNESS IN INCHES)<sup>a</sup>

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)				
	Conductivity Btu-in./(h-ft²-°F) <sup>b</sup>	MEAN RATING TEMPERATURE, °F	<1	1 to <1-1/2	1-1/2 to <4	4 to <8	≥8
>350	0.32 - 0.34	250	4.5	5	5	5	5
251-350	0.29 - 0.32	200	3	4	4.5	4.5	4.5
201-250	0.27 - 0.30	150	2.5	2.5	2.5	3	3
141-200	0.25 - 0.29	125	1.5	1.5	2	2	2
105-140	0.21 - 0.28	100	1	1	1.5	1.5	1.5
40-60	0.21 - 0.27	75	0.5	0.5	1	1	1
<40	0.20 - 0.26	75	0.5	1	1	1	1.5

a. For piping smaller than 1-1/2 inch (38mm) and located in partitions within conditioned spaces, reduction of these thicknesses by 1 inch (25 mm) shall be permitted (before thickness adjustment required in footnote b) but not to a thickness less than 1 inch (25 mm).

b. For insulation outside the stated conductivity range, the minimum thickness (T) shall be determined as follows:  
 $T = r \left( \frac{t+r}{r} \right)^{k/k-1}$   
 where:  
 T = minimum insulation thickness,  
 r = actual outside radius of pipe,  
 t = insulation thickness listed in the table for applicable fluid temperature and pipe size,  
 K = conductivity of alternate material at mean rating temperature indicated for the applicable fluid temperature (btu x in/h x ft² x °F) and  
 k = the upper value of the conductivity range listed in the table for the applicable fluid temperature.

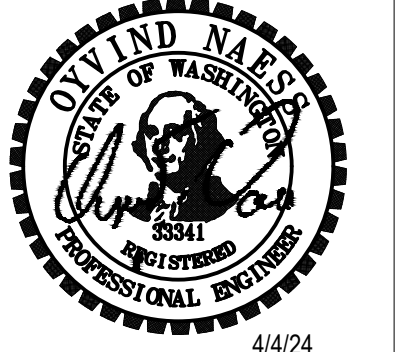
c. For direct-buried heating and hot water system piping, reduction of these thicknesses by 1-1/2 inches (38 mm) shall be permitted before thickness adjustment required in footnote b but not to thicknesses less than 1 inch (25 mm).

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OWNER:



PRCT120240313

PROJECT NAME:

**MultiCare  
GSMOB  
3rd Floor  
Soiled Utility  
Alterations**  
1450 5th St SE  
Puyallup, WA 98372

MARK	DATE	DESCRIPTION
	9/8/2023	PERMIT SUBMITTAL #1
△	4/3/2024	PERMIT SUBMITTAL #2

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**PLUMBING SCHEDULES**

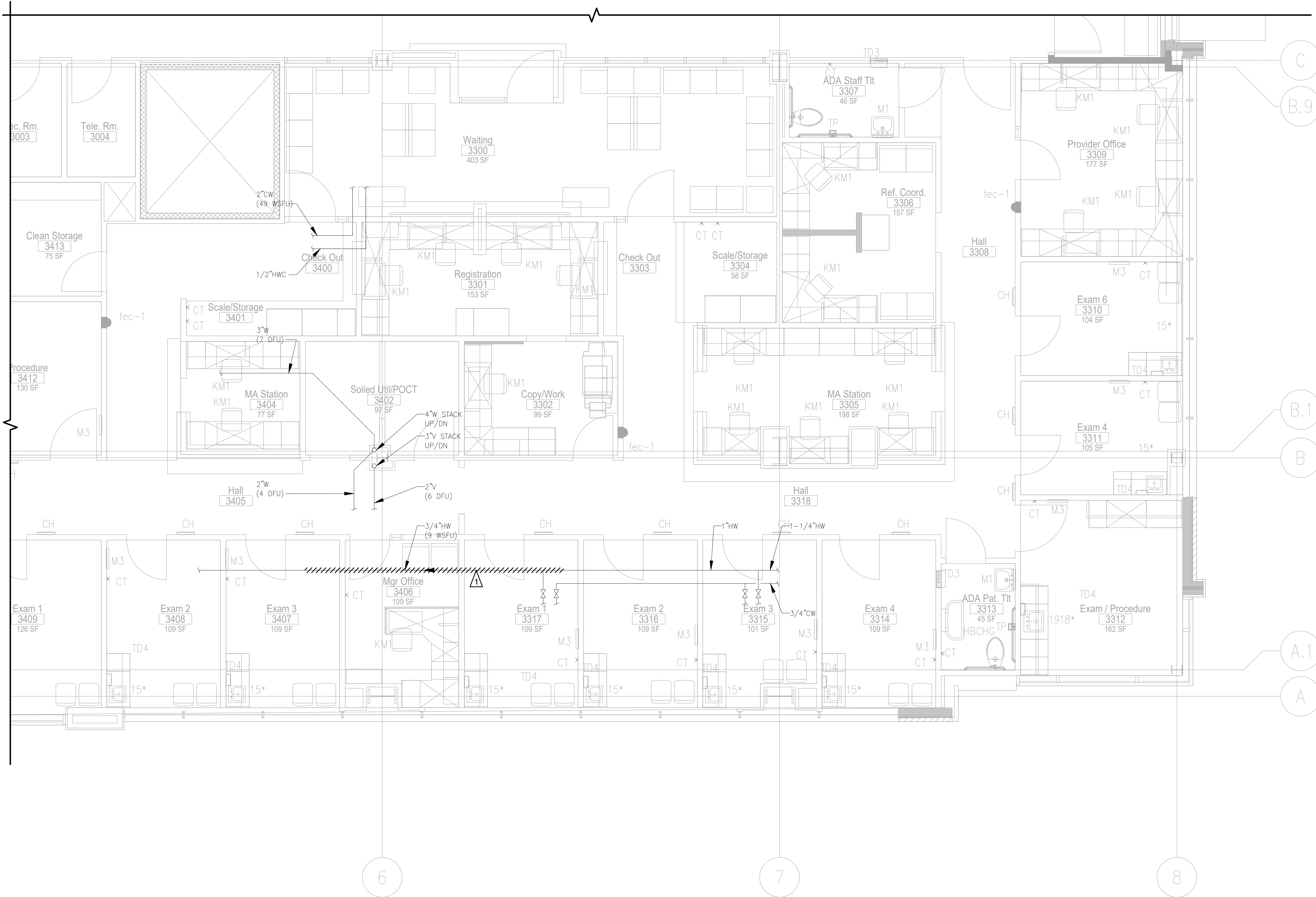
SHEET #:  
**P0.03**

SHEET NOTES

- 1. WASTE PIPING SHOWN IS UNDER THE FLOOR AND IS SLOPED AT 1/4" PER FOOT.

SHEET NOTES

- 1. DEMO 3/4"HW PIPING AS SHOWN BACK TO JUST BEFORE REDUCER TO ALLOW FOR 1"HW TO BE EXTENDED TO NEW SOILED UTILITY ROOM.



THIRD FLOOR PLUMBING PLAN - DEMO



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1450 5th St SE  
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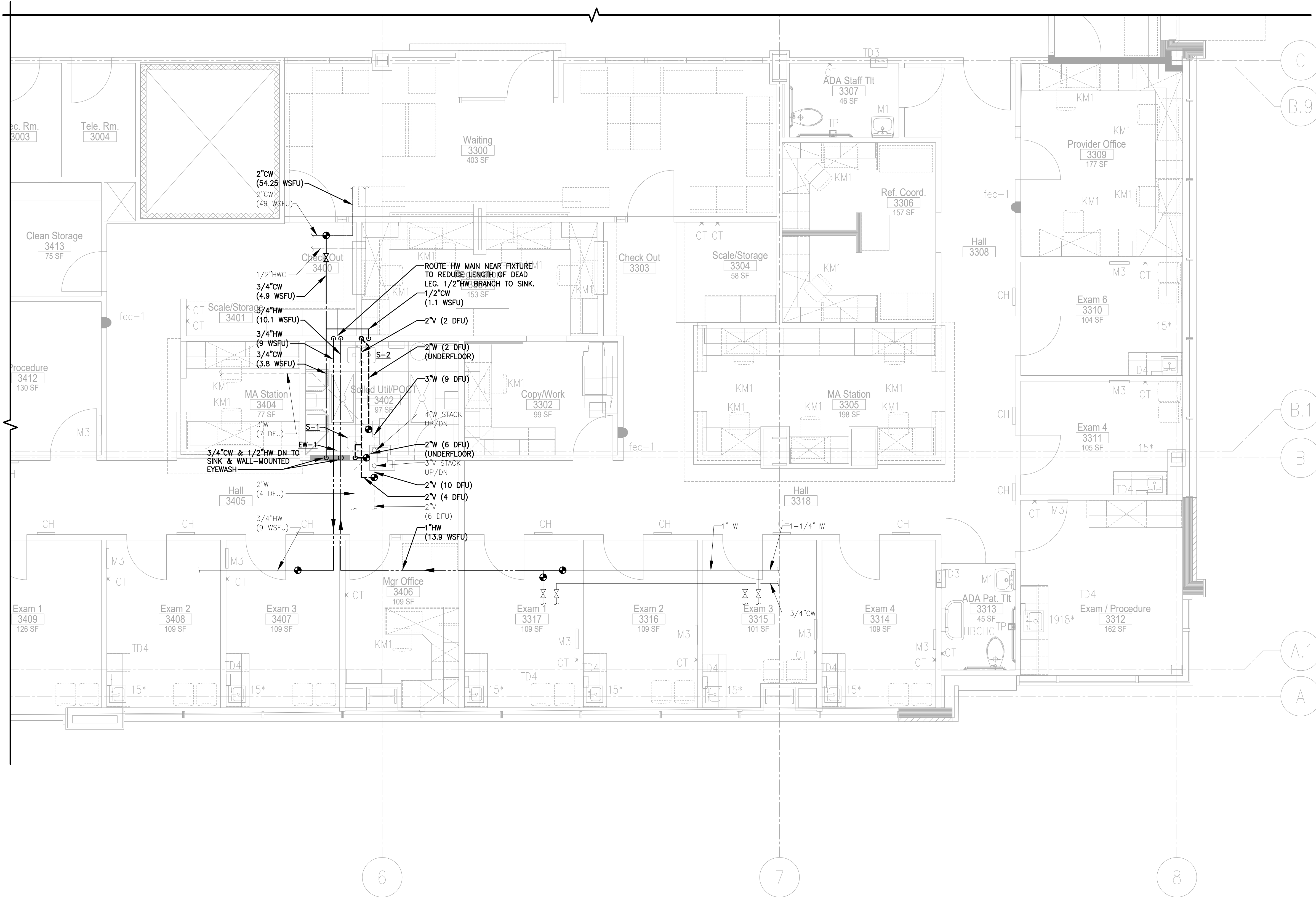
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**THIRD FLOOR PLUMBING PLAN - DEMO**

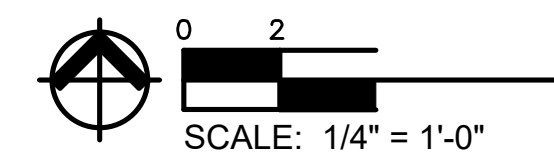
SHEET #:  
**P1.01**

**SHEET NOTES**

1. WASTE PIPING SHOWN IS UNDER THE FLOOR AND IS SLOPED AT 1/4" PER FOOT.



**THIRD FLOOR PLUMBING PLAN**

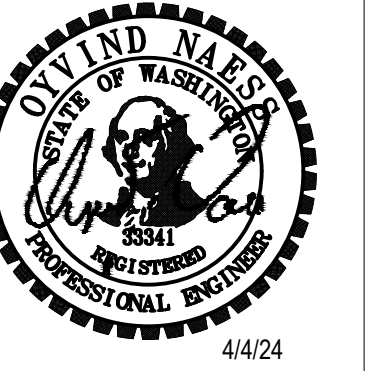


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PROJECT NAME:

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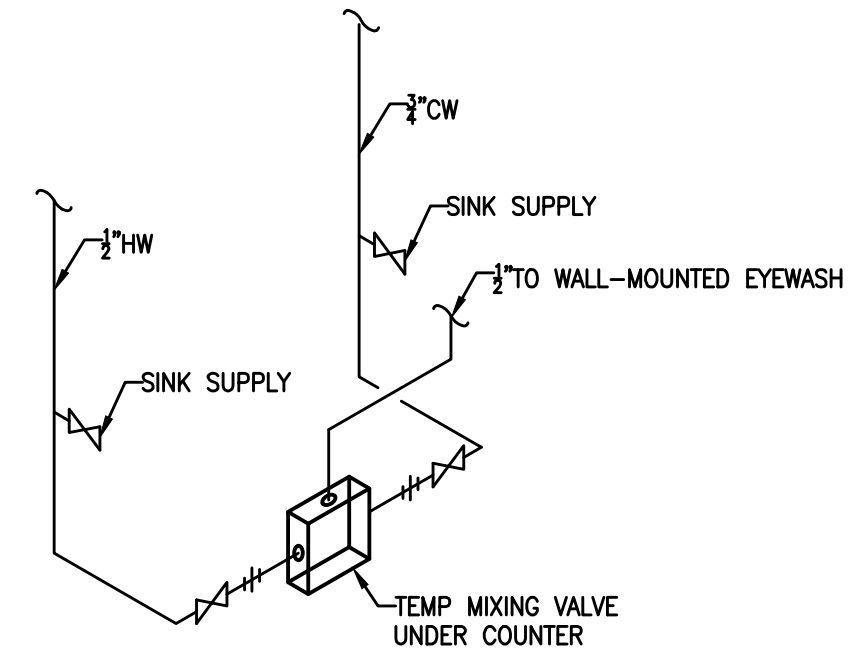
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**THIRD FLOOR  
PLUMBING PLAN**

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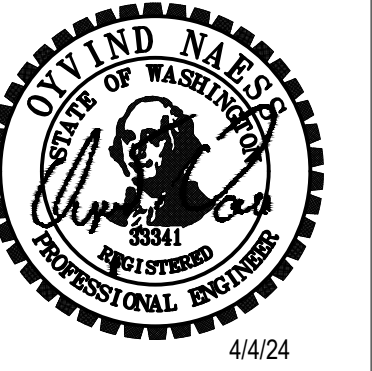
**P2.01**



1 EYEWASH STATION DETAIL  
P3.1 SCALE: NONE

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