

Alex Roush Architects, Inc.

Addendum No. 01

Date: April 09, 2026

Re: USOSM – Hopkin Oral Surgery
1377 E 3900 S
Salt Lake City, Utah 84124

Project No: 2025.79

Architect: ALEX ROUSH ARCHITECTS, INC.
2255 Cumberland Parkway
Building 100
Atlanta, Georgia 30339

Prepared by: Elwardo Moss & Doug Mathies

To: All Bidders

THIS ADDENDUM SHALL SUPERSEDE ALL CONTRACT AND/OR CONFLICTING INFORMATION CONTAINED IN THE PLANS AND SPECIFICATIONS. PLANS AND SPECIFICATIONS ARE HEREBY AMENDED IN THE FOLLOWING PARTICULARS.

1. Revision:
Sheet T-1:
 - A. Removed notes from required submittals. (Architectural Clarification)
 - B. Added note under the area category. (Architectural Clarification)

2. Revision:
Sheet T-7:
 - A. Removed notes from Specification sheet. (Architectural Clarification)

3. Revision:
Sheet A-0:
 - A. Added note to indicate a concrete pad for vacuum pump. (Architectural Clarification)
 - B. Added note to indicate which floor level for the floorplan is on. (Permit Response)

4. Revision:
Sheet A-1:
- A. Updated floor plan to show new Med. Waste room.
(Architectural Clarification)
 - B. Changed door types at Med gas, lab, and the offices.
(Architectural Clarification)
 - C. Added note to indicate which floor level the floorplan is on.
(Permit Response)
 - D. Added 1hr fire rated shaft wall assembly to gas room (19).
(Architectural Clarification)
5. Revision:
Sheet A-2:
- A. Updated floor plan to show new Med. Waste room.
(Architectural Clarification)
 - B. Changed door types at Med gas, lab, and the offices.
(Architectural Clarification)
 - C. Updated the wall Legend. (Architectural Clarification)
 - D. Added note to indicate which floor level the floorplan is on.
(Permit Response)
 - E. Added note not to exceed the amount of gas needed. (Permit Response)
 - F. Added 1hr fire rated shaft wall assembly to gas room (19).
(Architectural Clarification)
6. Revision:
Sheet A-3:
- A. Updated floor plan to show new Med. Waste room.
(Architectural Clarification)
 - B. Changed door types at Med gas, lab, and the offices.
(Architectural Clarification)
 - C. Updated the wall Legend. (Architectural Clarification)
 - D. Added dimensions to the Vacuum pump raised concrete pad.
(Architectural Clarification)
 - E. Removed details. (Architectural Clarification)
 - F. Updated detail 4/A-3. (Architectural Clarification)
 - G. Added note to indicate which floor level the floorplan is on.
(Permit Response)
 - H. Added 1hr fire rated shaft wall assembly to gas room (19).
(Architectural Clarification)
 - I. Added note to the floor plan. (Architectural Clarification)

7. Revision:
Sheet A-4:
- A. Updated floor plan to show new Med. Waste room.
(Architectural Clarification)
 - B. Changed door types at Med gas, lab, and the offices.
(Architectural Clarification)
 - C. Updated the wall Legend. (Architectural Clarification)
 - D. Updated details 2/A-4, 4/A-4 and 5/A-4.
(Architectural Clarification and Permit Response)
 - E. Added note to indicate which floor level the floorplan is on.
(Permit Response)
 - F. Added 1hr fire rated shaft wall assembly to gas room (19).
(Architectural Clarification)
8. Revision:
Sheet A-5:
- A. Removed detail. (Architectural Clarification)
 - B. Added shaft wall assembly specifications. (Architectural Clarification)
 - C. Added wall section detail for 1 hr. fire rated shaft wall.
(Architectural Clarification)
9. Revision:
Sheet A-6:
- A. Updated Accessory schedule. (Architectural Clarification)
 - B. Updated note to detail 10/A-6. (Architectural Clarification)
 - C. Added note to detail 11/A-6. (Architectural Clarification)
10. Revision:
Sheet A-7:
- A. Updated the door and frame schedule. (Architectural Clarification)
 - B. Updated the door type elevations. (Architectural Clarification)
 - C. Updated the Door Finish hardware schedule. (Architectural Clarification)
 - D. Added note to indicate which floor level the floorplan is on.
(Permit Response)
 - E. Added 1hr fire rated shaft wall assembly to gas room (19).
(Architectural Clarification)
11. Revision:
Sheet A-8:
- A. Updated reflected ceiling legend. (Architectural Clarification)

- B. Updated Reflected ceiling plan to show areas that are getting R-13 Sound batt insulation over the partition. (Architectural Clarification)
 - C. Added note to indicate which floor level the floorplan is on. (Permit Response)
 - D. Added detail 4/A-8 to the sheet. (Permit Response)
 - E. Added 1hr fire rated shaft wall assembly to gas room (19). (Architectural Clarification)
12. Revision:
Sheet A-9:
- A. Updated room Finish Schedule. (Architectural Clarification)
 - B. Updated Finish Color Schedule. (Architectural Clarification)
 - C. Added note to indicate which floor level the floorplan is on. (Permit Response)
13. Revision:
Sheet A-10 to A-13:
- A. Reorganized sheet layout for plans, elevations and Millwork Details. (Architectural Clarification)
14. Revision:
Sheet P-2:
- A. New sanitary connection for the S-1 in operatory 5. (Engineer Clarification)
 - B. Placed keyed note. (Engineer Clarification)
 - C. New keyed notes calling out for the demolishing of fixtures. (Engineer Clarification)
 - D. S-1 moved in operatory 6. (Engineer Clarification)
15. Revision:
Sheet P-3
- A. Changed connection to S-1 to existing $\frac{3}{4}$ " piping within space. (Engineer Clarification)
 - B. Added a single sprinkler head to gas closet. (Permit Response)
 - C. New keyed notes calling out for the demolishing of Fixtures. (Engineer Clarification)
 - D. New keyed notes reflecting change. (Engineer Clarification)
 - E. S-1 moved in operatory 6. (Engineer Clarification)

16. Revision:
Sheet P-4:
- A. Added maximum allowable medical gas volume to med gas room in keyed note #11 per plan review comment. (Permit Response)
 - B. Added additional description for medical gas pipping. (Engineer Clarification)
17. Revision:
Sheet P-5:
- A. Added keynotes to demo plan for additional fixture call outs. (Engineer Clarification)
18. Revision:
Sheet: P-7:
- A. Reflected the changes made to floor plans. (Engineer Clarification)
19. Revision:
Sheet M-1:
- A. Added EF-5 serving new med-waste closet. (Engineer Clarification)
20. Revision:
Sheet M-2:
- A. Added EF-5 to med-waste closet. (Engineer Clarification)
 - B. Re-routed EF-2 duct to avoid a potential conflict with existing return duct. (Engineer Clarification)
 - C. Added keyed note #12 allowing an option to omit EF-2 if desired. (Engineer Clarification)
 - D. Updated EF-3 system clarifying inlet location & fire protection requirements. (Permit Response)
21. Revision:
Sheet E-2:
- A. Revised lighting plan for floor plan changes. (Engineer Clarification)
 - B. Revised key note 1 for relocated lights. (Engineer Clarification)
22. Revision:
Sheet E-3:
- A. Revised power for sterilization room for addition of med gas waste. (Engineer Clarification)
 - B. Added EF-5 to med gas waste room. (Engineer Clarification)
 - C. Relocated panel M. (Engineer Clarification)
 - D. Relocated power for electric strike. (Engineer Clarification)

Alex Roush Architects, Inc.

- E. Added CU-1 to plan view. (Engineer Clarification)
 - F. Revised General Note #1 to add prior approval from city. (Permit Response)
 - G. Relocated outlets sink change in operatory 6. (Engineer Clarification)
 - H. Added CU-1 to plan view. (Engineer Clarification)
 - I. Removed EF-2 from floor plan and schedule. (Engineer Clarification)
23. Revision:
Sheet E-4:
- A. Added smoke detector for new med gas room. (Engineer Clarification)
 - B. Relocated phone/data outlet for sink change in operatory 6.
(Engineer Clarification)
24. Revision:
Sheet E-5:
- A. Updated battery fuse and wiring. (Engineer Clarification)
 - B. Removed EF-2 and added EF-5 to panel schedule. (Engineer Clarification)
 - C. Removed circuit for sterilization equipment. (Engineer Clarification)

END OF ADDENDUM NO 01



U.S. Oral Surgery Management

CLIENT
USOSM
 U.S. Oral Surgery Management
 500 E. JOHN CARPENTER FREEWAY
 SUITE 300
 IRVING, TX 75062

ARCHITECT

 ALEX ROUSH ARCHITECTS, INC.
 2255 CUMBERLAND PKWY
 BLDG. 100
 ATLANTA, GA 30339
 (770)-333-7878

CONSULTANT

 SHEPHERD, HARVEY & ASSOCIATES
 4855 RIVER GREEN PARKWAY
 STE. 400
 DULUTH, GA 30096-2569
 (770)-495-4007

DATE	DESCRIPTION	EMM	DA	EMM	DA
	CONSTRUCTION DOCUMENTATION				
	APPENDIX (NO. 1)				

HOPKIN ORAL SURGERY EXPANSION

USOSM 1377 E 3900 S SALT LAKE CITY, UTAH



CODE APPLICATION:

OCCUPANCY TYPE: BUSINESS OCCUPANCY - GROUP B
 CONSTRUCTION TYPE: V-B - NON-SPRINKLERED
 OCCUPANCY TYPE: BUSINESS
 CONSTRUCTION TYPE: V (O.O.O.)
 CONTENT OF OCCUPANCY: ORDINARY HAZARD

AREA:

BUILDING AREA: +/- 16,108 SQ. FEET
 BUILDING HEIGHT: TWO STORY (+/- 8,5054 SQ. FT. PER FLOOR)
 OVERALL SPACE: +/- 3,784 SQ. FT.
 SCOPE OF WORK: +/- 2,359 SQ. FT.
 PROJECT OCCUPANT LOAD: 25

PARKING CALCULATION:

BUSINESS OCCUPANCY = 1 PARKING SPACE PER 300 S.F.
 PROJECT AREA = EXISTING PARKING TO REMAIN UNCHANGED

STATE CODES:

- 2021 INTERNATIONAL BUILDING CODE W/ 2021 UTAH AMENDMENTS
- 2021 INTERNATIONAL EXISTING BUILDING CODE
- 2021 INTERNATIONAL ENERGY CONSERVATION W/ 2021 UTAH AMENDMENTS
- 2021 INTERNATIONAL FIRE CODE W/ 2021 UT AMENDS.
- 2021 INTERNATIONAL FUEL GAS CODE W/ 2021 UT AMENDMENTS
- 2021 INTERNATIONAL MECHANICAL CODE W/ 2021 UTAH AMENDMENTS
- 2021 INTERNATIONAL PLUMBING CODE W/ 2021 UTAH AMENDMENTS
- 2017 UTAH ACCESSIBILITY CODE
- 2021 NFPA 10 - PORTABLE FIRE EXTINGUISHERS
- 2019 NFPA 13 - SPRINKLER SYSTEMS CODE
- 2019 NFPA 72 - FIRE ALARM CODE
- 2023 NFPA 70 - NATIONAL ELECTRICAL CODE
- 2021 NFPA 54 - NATIONAL FUEL GAS
- 2023 NFPA 58 - NATIONAL FIRE PROTECTION ASSOCIATION
- 2021 LIFE SAFETY CODE - NFPA 101 (STATE)

REQUIRED CLOSE-OUT DOCUMENTS		REQUIRED SUBMITTALS		
-GENERAL CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS IN A WATER RESISTANT PVC DRAWING TUBE AND ONE BINDER OF CLOSE-OUT DOCUMENTS ON SITE IN A SAFE LOCATION COORDINATED WITH THE OWNER SUCH AS THE I.T. ROOM -PROVIDE ELECTRONIC MEDIA VIA FILE TRANSFER SITE OR FLASH DRIVE WITH A COPY OF ALL CLOSE-OUT DOCUMENTS & AS-BUILTS TO ARCHITECT, PROJECT MANAGER, AND FACILITY CONTAINING THE FOLLOWING: -INSTALLATION AND O&M MANUALS -MANUFACTURER'S LITERATURE FOR EQUIPMENT, MATERIALS, AND WARRANTIES USED IN THE WORK -WEEKLY REPORTS, INSPECTIONS, PERMITS, CERTIFICATE OF OCCUPANCY, AND LICENSES NECESSARY FOR OCCUPANCY -COMPLETE LIST OF SUBCONTRACTORS AND PRINCIPAL VENDORS INCLUDING ADDRESS AND TELEPHONE NUMBER...		GROUND UP	1- CONCRETE MIX DESIGNS	
EXAMPLE OF CONTENTS:		INTERIOR ARCHITECTURAL	1- DOORS, FRAMES, AND HARDWARE 2- MILLWORK SHOP DRAWING W/ COUNTERTOPS AND SOLID SURFACE 3- FLOORING, LVT, CARPET, CERAMIC CARPET, BASE 4- DRYWALL, CEILING TILE AND GRID 5- PAINT AND COLORS 7- FRP AND IPC WALL PANELS 6- HANDICAP DEVICES AND HARDWARE 7- FIRE PROOFING AND FIRE CAULKING MATERIALS 8- INSULATION 9- TOILET ACCESSORIES	
TAB 1	SUBCONTRACTOR LIST	PLUMBING	1- SANITARY DRAINS, CLEANOUTS, TRAP PRIMERS 2- DOMESTIC HOT WATER RETURN BALANCING REPORT 3- COMPLETE FIRE PROTECTION SYSTEM, DEVICES, EQUIPMENT, TEST REPORTS 4- WATER CIRCULATION PUMPS 5- WATER HEATERS, DOMESTIC AND RO WATER EXPANSION TANKS 6- PLUMBING FIXTURES WITH ALL ACCESSORIES IDENTIFIED 8- PLUMBING FIXTURE SUPPLIES & STOPS 9- BACKFLOW PREVENTERS 10- PRESSURE REDUCING VALVES 11- ESCUTCHEONS 12- FLOW METERS 13- THERMOSTATIC MIXING VALVE 14- STORM WATER DOWNSPOUT NOZZLE (IF APPLICABLE) 15- PIPE FITTINGS 16- PIPE HANGERS AND SUPPORTS 17- PIPE INSULATION 18- PIPE IDENTIFICATION 19- VALVES FOR ALL APPLICABLE SYSTEMS 20- PIPING MATERIALS FOR ALL APPLICABLE SYSTEMS 21- ANY OTHER REQUIRED ITEMS FOR A COMPLETE PLUMBING INSTALLATION NOT LISTED ABOVE	
TAB 2	ALL ASSOCIATED PERMIT			
TAB 3	CERTIFICATE OF OCCUPANCY			
TAB 4	GENERAL CONTRACTORS WARRANTY / GUARANTEES / ALL RELEASE OF LEINS			
TAB 5	SUBCONTRACTORS WARRANTIES			
OPERATIONS AND MAINTENANCE MANUALS		MECHANICAL	1- PACKAGED UNITS 2- SPLIT SYSTEMS 3- TERMINAL UNITS 4- WATER SOURCE HEAT PUMPS 5- VRF SYSTEMS 6- EXHAUST FANS 7- SUPPLY FANS 8- ROOF HOODS 9- AIR DISTRIBUTION DEVICES 10- DUCTWORK 11- SHEET METAL ACCESSORIES 12- HVAC INSULATION 13- DAMPERS 14- INSTRUMENTS AND CONTROLS 15- HEATER 16- HVAC PIPING 17- LOUVERS 18- SUPPLY AND RETURN GRILLES 19- ANY OTHER REQUIRED ITEMS FOR A COMPLETE MECHANICAL...	
CONCRETE				TESTING REPORTS MSDS SHEETS
DOORS, FRAMES & HARWARE				DOOR & HARDWARE SCHEDULE KEYPAD MANUAL MSDS
FLOORING				OPERATIONS & MAINTENANCE MANUAL COLOR AND TYPE SELECTIONS MSDS
FRAMING / DRYWALL / PAINT / ACOUSTICAL				PAINT COLOR SCHEDULE WALL PANEL & CORNER GUARDS COLOR SCHEDULE CLEANING GUIDELINES MSDS
GLASSWORK		CLEANING GUIDELINES AUTOMATIC DOOR OPENER WARRANTIES AUTOMATIC DOOR OPENER OPERATIONS & MAINTENANCE MANUAL		
MILLWORK / CABINERY		CARE & MAINTENANCE GUIDELINES OPERATIONS & MAINTENANCE MANUALS		
MECHANICAL / HVAC		APPROVED TEST & BALANCE REPORT THERMOSTAT USER MANUAL OPERATIONS & MAINTENANCE MANUALS -ROOFTOP UNITS...		
ELECTRICAL		GROUNDING REPORT OPERATIONS & MAINTENANCE MANUALS -CIRCUIT BREAKER BOX -PANELBOARD -GENERATOR (IF APPLICABLE)...		
PLUMBING		BACKFLOW PREVENTER TEST REPORTS OPERATIONS & MAINTENANCE MANUALS -RESTROOM ACCESSORIES -WATER HEATERS -APPLIANCES		

SHEET INDEX:

TITLE # SPEC SHEETS
 T-1 TITLE SHEET & CODE REFERENCES
 T-2 SPECIFICATIONS 1
 T-3 SPECIFICATIONS 2
 T-4 SPECIFICATIONS 3
 T-5 SPECIFICATIONS 4
 T-6 SPECIFICATIONS 5
 T-7 SPECIFICATIONS 6

ARCHITECTURAL SHEETS

A-0 DEMOLITION FLOOR PLAN
 A-1 PHASING PLAN
 A-2 ANNOTATED FLOOR PLAN
 A-3 DIMENSIONED FLOOR PLAN
 A-4 CODE COMPLIANCE AND LIFE SAFETY
 A-5 RATED ASSEMBLY DETAILS
 A-6 ADA & PRIORITY DETAILS
 A-7 DOOR & WINDOW SCHEDULES & ELEVATIONS
 A-8 REFLECTED CEILING PLAN AND DETAILS
 A-9 FINISH PLAN
 A-10 ENLARGED PLANS, ELEV. & DETAILS 1
 A-11 ENLARGED PLANS, ELEV. & DETAILS 2
 A-12 ENLARGED PLANS, ELEV. & DETAILS 3
 A-13 ENLARGED PLANS, ELEV. & DETAILS 4

PLUMBING SHEETS

P-1 PLUMBING SCHEDULES, SPECIFICATIONS, & LEGEND
 P-2 FLOOR PLAN - PLUMBING - DW&V
 P-3 FLOOR PLAN - PLUMBING - SUPPLY
 P-4 FLOOR PLAN - PLUMBING - MED GAS
 P-5 FLOOR PLAN - PLUMBING - DEMO
 P-6 PLUMBING - DETAILS
 P-7 PLUMBING - ISOMETRICS

MECHANICAL SHEETS

M-1 NOTES, LEGEND, SCHEDULES - MECHANICAL
 M-2 FLOOR PLAN - MECHANICAL
 M-3 DETAILS - MECHANICAL

ELECTRICAL SHEETS

E-1 ELECTRICAL NOTES, SYMBOLS, AND ABBREVIATIONS
 E-2 FLOOR PLAN - LIGHTING
 E-3 FLOOR PLAN - POWER
 E-4 FLOOR PLAN - SYSTEMS
 E-5 ELECTRICAL PANEL SCHEDULES & DIAGRAM

PENETRATION DETAIL SHEETS

MEP-1 PENETRATION DETAILS

PROJECT CONTACTS:

USOSM PM:	ARCHITECT:	PLUMBING:	MECHANICAL:	ELECTRICAL:	LANDLORD:
U.S. ORAL SURGERY MANAGEMENT ZACK MCNIEL VICE PRESIDENT 500 E. JOHN CARPENTER FREEWAY SUITE 300 IRVING TEXAS 75062 PH: 501.259.8332 EMAIL: ZACK.MCNIEL@USOSM.COM	ALEX ROUSH ARCHITECTS, INC. ELWARD MOSS JOB CAPTAIN 2255 CUMBERLAND PKWY BLDG 100 ATLANTA, GA 30339 PH: 770.333.7878 EMAIL: ELWARD@AROUSH.COM	SHEPHERD, HARVEY & ASSOCIATES, INC. CONNOR FAJARDO PLUMBING DESIGNER 4855 RIVER GREEN PARKWAY STE. 400 DULUTH, GA 30096-2569 PH: 770.495.4007 EMAIL: CFJARDO@SHEPHARV.COM	SHEPHERD, HARVEY & ASSOCIATES, INC. MARK DUNN MECHANICAL DESIGNER 4855 RIVER GREEN PARKWAY STE. 400 DULUTH, GA 30096-2569 PH: 770.495.4007 EMAIL: MDUNN@SHEPHARV.COM	SHEPHERD, HARVEY & ASSOCIATES, INC. SUSAN JONES ELECTRICAL DESIGNER 4855 RIVER GREEN PARKWAY STE. 400 DULUTH, GA 30096-2569 PH: 770.495.4007 EMAIL: SJONES@SHEPHARV.COM	

NOTES TO GENERAL CONTRACTOR:

- NO CONSTRUCTION WORK MAY COMMENCE WITHOUT OWNER EXCEPTION APPROVAL UNTIL ALL AIA CONTRACTS HAVE BEEN FULLY EXECUTED. THIS APPLIES TO DEMOLITION WORK, TENANT IMPROVEMENT, SITE WORK.
- GC TO CONFIRM THAT ALL FIRE & SMOKE RATED PENETRATIONS ARE PROPERLY FIRE CAULKED PRIOR TO ARCHITECT AND/OR ENGINEER'S PUNCH INSPECTION. REMOVE CEILING TILES (MINIMUM OF 24") AT ALL FIRE & SMOKE RATED PARTITIONS, DUCT DETECTORS, FIRE DAMPERS AND SMOKE/FIRE DAMPERS TO ALLOW CLEAR VISIBILITY FROM FINISHED FLOOR BELOW.
- REVIEW PERIOD FOR SHOP DRAWING SUBMISSIONS TO BE TEN (10) BUSINESS DAYS.
GC SHALL PROVIDE WEEKLY PROGRESS REPORTS & ACCOMPANIED BY PHOTOS TO THE ARCHITECT & OWNER PROJECT MANAGER(S) VIA EMAIL (PHOTOS OF THE FRAMING AT VACUUM PUMP ROOM), THROUGHOUT THE COURSE OF THE JOB.
PROJECT SUPERINTENDENT TO REMAIN AT JOB SITE THROUGHOUT DURATION OF THE PROJECT.

HOPKIN ORAL SURGERY EXPANSION

NOT FOR CONSTRUCTION

TITLE SHEET & CODE REFERENCES

DRAWN BY: EMM
 DATE: 03/12/26
 PROJECT NO: 2025.79
 SHEET NO:
T-1

DIVISION 9 FINISHES

4. ASSEMBLED UNIT PERFORMANCE VALUES:

a. CLEAR AND TINTED UNITS:

- (1) DAYLIGHT TRANSMITTANCE: 40%
- (2) U-VALUE:
 - (a.) FIXED WINDOWS - 0.70
 - (b.) OPERABLE DOORS - 0.65
 - (c.) ENTRANCE DOORS - 0.80
- (3) SHGC:
 - (a.) PF LESS THAN 0.25 - 0.25
 - PF GREATER THAN 0.25 AND LESS THAN 0.5 - 0.33
 - PF GREATER THAN 0.5 - 0.40
- (4) COMPLY WITH ASTM E774.

5. ACCESSORIES:

- a. SETTING BLOCKS: NEOPRENE, 70-90 DUROMETER HARDNESS, ASTM D1056-76.
- b. GLAZING SEALANT: DOW CHEMICAL - NO. 999 SILICONE RUBBER SEALANT., GE - SILICONE CONST. SEALANT 1200., TREMCO, INC. PROGLAZE. PREFORMED BUTYL OR BUTYL ISOBUTYLENE TAPE, 100% SOLIDS, COLOR TO MATCH GLASS TINT. POLYVINYL CHLORIDE FOAM TAPE - CLOSED CELL, SELF-ADHESIVE TAPE, ASTM D1667-76

DIVISION NO. 9 FINISHES:

009260 GYPSUM BOARD SYSTEM:

- A. MATERIALS:
 - 1. FIRE RESISTANT/RATED GYPSUM BOARD:
 - a. ASTM C636-05
 - b. FED SPEC 55-L-30D
 - c. TYPE III, GRADE X, CLASS 1, FORM C,
 - d. 5/8" THICKNESS, TAPERED EDGES.
 - 2. MOISTURE & MOLD RESISTANT GYPSUM BOARD:
 - a. ASTM C1396 (SECTION 5), ASTM C630, ASTM D3273, & ASTM C473
 - b. FED SPEC. 55-L-30D
 - c. TYPE VII, GRADE W OR X, CLASS 2, 5/8" THICKNESS
 - d. REGULAR AND/OR FIRE RESISTANT GYPSUM BOARD.
 - 3. CEMENTITIOUS BACKER UNITS:
 - a. ANSI A108.11, A118.9
 - b. ASTM C1325, E136
 - c. 5/8" FIBER MAT REINFORCED SHEATHING
 - d. 5/16" UNDERLAMENT
 - e. USGS DUROCK OR APPROVED EQUAL.
 - 4. MANUFACTURERS:
 - a. CERTAINTED
 - b. GEORGIA PACIFIC CORP.
 - c. GOLD BOND/NATIONAL GYPSUM CO.
 - d. U.S. GYPSUM.
 - 5. CONTROL JOINT
 - a. ASTM C1047
 - b. ASTM C840
 - c. EZ STRIP EXPANSION JOINT OR APPROVED EQUAL.
 - d. MAX. OF 30' BETWEEN CONTROL JOINTS.
 - e. LOCATE ABOVE IN LINE W/DOOR JAMB WHEN POSSIBLE

092116 DRYWALL CORNER STICKS

- A. MATERIALS:
 - 1. CERTAINTED NO-COAT DRYWALL CORNER STICKS
 - 2. CERTAINTED NO-COAT L-TRIM

- B. STANDARDG:
 - 1. ASTM C1047
 - 2. ASTM C840/GA-21G
 - 3. ASTM C840/GA-214
 - 4. NC, NCFRO, NC450

- C. INSTALLATION:
 - 1. APPLICATION: USING THE TAPING KNIFE, APPLY JOINT COMPOUND TO DRYWALL, SLIGHTLY BEYOND THE EDGE OF THE CORNER WILL BE. OR USE HOPPER TO FILL BEAD. PLACE CORNER TRIM ON WALL, ENSURING IT IS ALIGNED TIGHTLY TO THE CEILING. PRESS INTO POSITION. USE THE ROLLER TO EMBED THE TRIM. OR EMBED USING EVEN PRESSURE, RUNNING THE KNIFE OVER IT AT A 45 ANGLE. USE THE TAPING KNIFE TO SKIM OVER THE EDGE WITH JOINT COMPOUND. LET DRY THOROUGHLY. USE THE WIDER FINISHING KNIFE TO SKIM OVER THE EDGE AGAIN. LET DRY THOROUGHLY. LIGHTLY SAND AND PAINT
 - 2. CERTAINTED ROLLERS: APPLY TRIM CORNER QUICKLY AND EASILY WITH CERTAINTED ROLLERS. JUST PLACE CORNER TRIM ON THE WALL AND USE THE ROLLER TO PRESS IT INTO PLACE FOR A PERFECT FIT.
 - 3. SANDING: FOR DRY SANDING USE 150 GRIT SAND PAPER OR FINER. LIGHTLY SAND IMPERFECTIONS WHILE BEING CAREFUL TO AVOID SCUFFING THE PAPER. WHEN DRY SANDING, WEAR A NIOSH APPROVED DUST MASK AND EYE PROTECTION.

DIVISION NO. 9 FINISHES:

009310 TILE:

- A. STANDARDS:
 - 1. ANSI - SPECS
 - 2. TCA - HANDBOOK
- B. MATERIALS
 - 1. PRE-SELECTED BY OWNER
 - 2. CERTAINTED GLASROC TILE BACKER
 - 3. TEC - UNSANDED GROUT
 - 4. CONSULT INTERIOR FINISH SCHEDULE FOR MATERIAL FINISH SELECTION

DIVISION NO. 9 FINISHES:

009510 ACOUSTICAL CEILINGS:

- A. MATERIALS
 - 1. PRE-SELECTED BY OWNER - REFER TO THE INTERIOR COLOR SCHEDULE
 - a. 2x2x5/8" 704 CORTEGA LAY-IN PANELS; ANGLED TEGULAR EDGE - WHITE.
 - b. 2x2x5/8" 1715 CLEAN ROOM (FIELD) AND 1720 (BORDER) LAY-IN PANELS; SQUARE EDGE - WHITE W/ GREY SPATTER.
 - 2. ARMSTRONG WORLD INDUSTRIES, INC. (NO SUBSTITUTIONS UNLESS PRE APPROVED THRU SUBMITTAL PROCESS).
- B. EXPOSED GRID METAL SUSPENSION SYSTEMS:
 - 1. 15/16" x 1 1/2" HIGH (MAIN TEE HT.) PRELUDE XL EXPOSED TEE GRID, FACTORY PAINTED WHITE.
 - 2. EDGE MOLD: MINIMUM 0.020" THICKNESS STEEL, CHANNEL OR ANGLE SHAPED WITH MINIMUM 3/4" FLANGE WIDTH, HEMMED EDGE, FACTORY PAINTED WHITE.
 - 3. 1/2 GAUGE HANGER WIRE SPACED A MAX. OF 4' O.C. AND NO MORE THEN 1/8 OUT OF PLUMB WITH WIRE LOOPS TIGHTLY FORMED AND SECURED WITH A MINIMUM OF 3 TURNS WITHIN 3' OF CONNECTION.
 - 4. SEISMIC ZONE A & B INSTALLATION PER CISCA 0 & 1, ASTM C636 AND MANUFACTURES RECOMMENDATIONS.
 - 5. ZONE C, PER CISCA 2, ASTM E580, AND MANUFACTURES RECOMMENDATIONS.
 - 6. ZONE D, E, & F PER CISCA ZONE 3 & 4, ASTM E580 AND MANUFACTURES RECOMMENDATIONS.
- C. ACOUSTICAL SEALANT:
 - 1. PECORA CORP: BA-98
 - 2. TREMCO, INC. - ACOUSTICAL SEALANT
 - 3. GE - SILICONE.
 - 4. NON-HARDENING, NON-SKINNING, SYNTHETIC RUBBER.

DIVISION 9 FINISHES

DIVISION NO. 9 FINISHES:

009650 LUXURY VINYL TILE:

- A. MATERIALS
 - 1. PRE-SELECTED BY OWNER - REFER TO THE INTERIOR FINISH SCHEDULE FOR COLOR SELECTION
- B. TESTING & PREPARATION
 - 1. FLOOR SLAB MOISTURE VAPOR EMISSION TEST PRIOR TO INSTALLATION.
 - 2. REMOVAL & REPLACEMENT OF NON-DURABLE CONCRETE.
 - 3. DECONTAMINATION OF CONCRETE SURFACE.
 - 4. REPAIR OF SURFACE IRREGULARITIES.

DIVISION NO. 9 FINISHES:

009660 CONCRETE SEALER:

- A. MATERIALS
 - 1. PRE-SELECTED BY OWNER - REFER TO THE INTERIOR FINISH SCHEDULE
- B. TESTING & PREPARATION
 - 1. FLOOR SLAB MOISTURE VAPOR EMISSION TEST PRIOR TO INSTALLATION.
 - 2. REMOVAL & REPLACEMENT OF NON-DURABLE CONCRETE.
 - 3. DECONTAMINATION OF CONCRETE SURFACE.
 - 4. REPAIR OF SURFACE IRREGULARITIES.

DIVISION NO. 9 FINISHES:

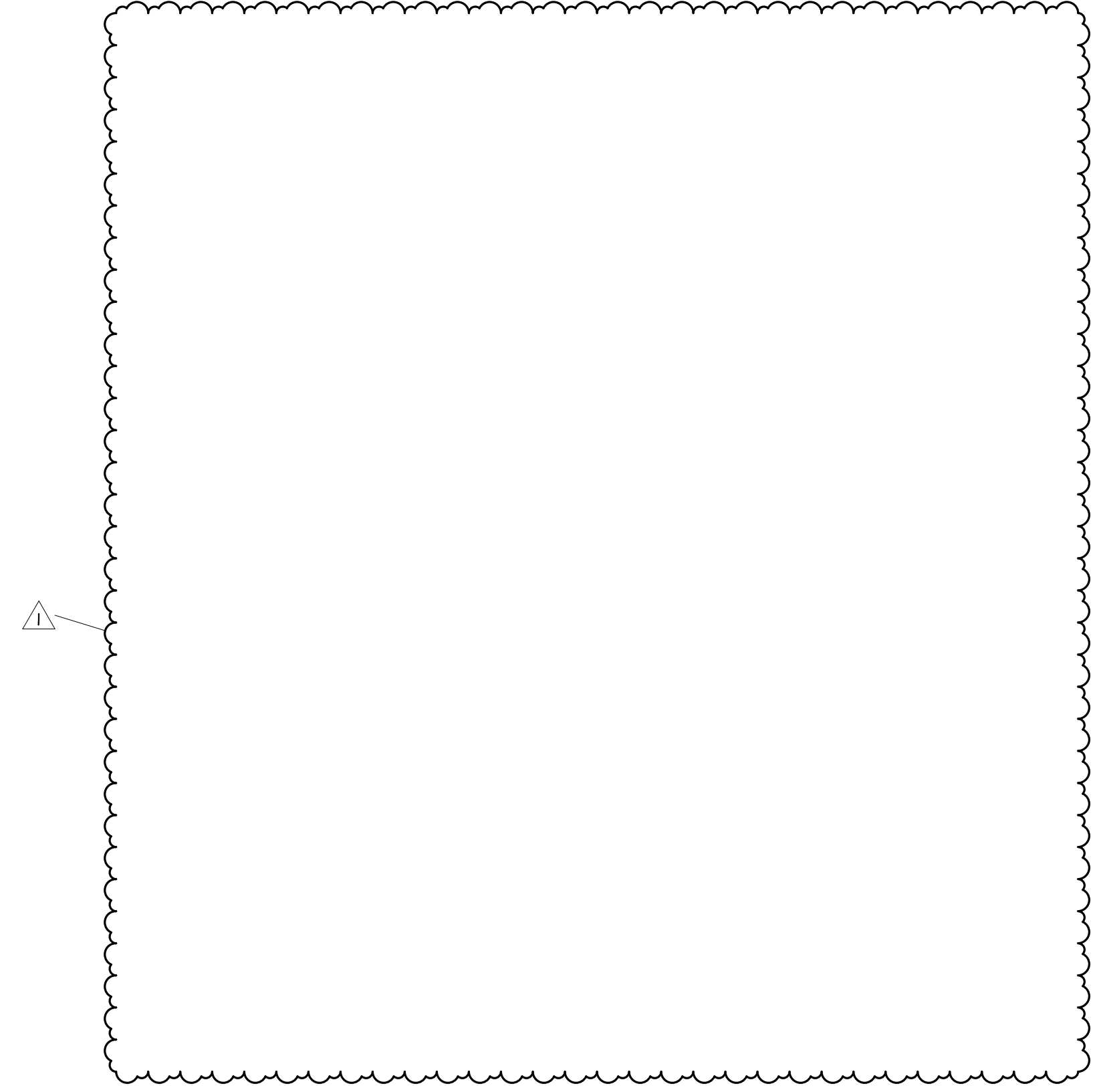
009670 FLUID-APPLIED FLOORING:

- A. MATERIALS
 - 1. PRE-SELECTED BY OWNER - REFER TO THE INTERIOR COLOR SCHEDULE.
 - B. STANDARDS
 - 1. ASTM
 - 2. ACI
 - C. TESTING & PREPARATION
 - 1. FLOOR SLAB MOISTURE VAPOR EMISSION TEST PRIOR TO INSTALLATION.
 - 2. REMOVAL & REPLACEMENT OF NON-DURABLE CONCRETE.
 - 3. DECONTAMINATION OF CONCRETE SURFACE.
 - 4. REPAIR OF SURFACE IRREGULARITIES.
- DIVISION NO. 9 FINISHES:
- 009680 CARPET:
- A. STANDARDS:
 - 1. ASTM
 - 2. NFFA
 - B. MATERIALS
 - 1. PRE-SELECTED BY OWNER
 - 2. CARPET TILE INSTALLATION PATTERN TO BE 1/4 TURN UNLESS NOTED OTHERWISE IN THE INTERIOR COLOR SCHEDULE
 - 3. MINIMUM 26 OZ. MATERIAL
 - 4. STATIC DECAY TEST SPECIFICATIONS: NFFA 56 A, METHOD 4046 OF THE FEDERAL TEST STANDARD 101 B.
 - 5. DOC FF-1 "PILL TEST" (CPSC 16 CFR PART 1630)

DIVISION NO. 9 FINISHES:

009900 PAINTING:

- A. STANDARDS:
 - 1. ASTM
 - 2. NFFA
- B. MATERIALS
 - 1. PRE-SELECTED BY OWNER
 - 2. PAINT MANUFACTURERS & COLOR SELECTION AS INDICATED ON INTERIOR FINISH SCHEDULE
- C. SCHEDULE:
 - 1. EXTERIOR
 - a. WOOD AND PLYWOOD: PRIME COAT & 2 GLOSS FINISH COATS OF HOUSE PAINT, W/ EACH COAT @ 1.5 MILS DFT.
 - b. FERROUS & MISCELLANEOUS METALS: METAL PRIMER @ 3 MILS DFT & TWO COATS INDUSTRIAL ENAMEL BS4 SERIES @ 2.0 MILS DFT EACH.
 - c. GALVANIZED METAL: ACRYLIC PRIMER & TWO COATS EXTERIOR FLAT LATEX PAINT @ 1.4 MILS DFT, EACH.
 - 2. INTERIOR:
 - a. PAINTED WOOD AND PLYWOOD: ONE COAT OF ALKYD ENAMEL UNDERCOATER @ 2.0 MILS DFT AND TWO COATS OF ALKYD EGG SHELL ENAMEL @ 2.0 MILS DFT.
 - b. OPEN GRAINED WOOD AND PLYWOOD STAIN AND VARNISH: ONE COAT OF INTERIOR WOOD STAIN AND TWO COATS OF OIL BASE GLOSS VARNISH.
 - c. GYPSUM BOARD - EGG SHELL FINISH: ONE COAT OF PRIMER AND SEALER @ 1.4 MILS DFT AND TWO COATS OF LATEX EGG SHELL PAINT @ 1.4 MILS DFT.
 - d. FERROUS METAL - ALKYD FLAT PAINT: ONE COAT OF METAL PRIMER @ 3.0 MILS DFT AND TWO COATS SEMI-GLOSS ALKYD PAINT @ 2.0 MILS DFT.
 - e. GALVANIZED METAL - ALKYD FLAT PAINT: ONE COAT GALVITE @ 2.0 MILS DFT AND TWO COATS ALKYD SEMI-GLOSS PAINT @ 2.0 MILS DFT.



GENERAL NOTE:

TENANT IMPROVEMENTS WILL REQUIRE A VARYING AMOUNT OF IMPROVEMENTS UNDER THIS PROJECT SCOPE OF WORK. THEREFORE, SOME OF THESE SPECIFICATIONS MAY ONLY RELATE TO A SMALL PORTION OF THE WORK, OR IN SOME CASES NONE AT ALL.

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DATE	REVISION	BY	CHK
03/12/26	EMM	EMM	EMM
04/09/26	EMM	EMM	EMM

DESCRIPTION OF CONSTRUCTION DOCUMENTATION

ADDENDUM NO. 1

HOPKIN ORAL SURGERY EXPANSION

U505M

1377 E 3900 S

SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION

SPECIFICATIONS 6

DRAWN BY: EMM

DATE: 03/12/26

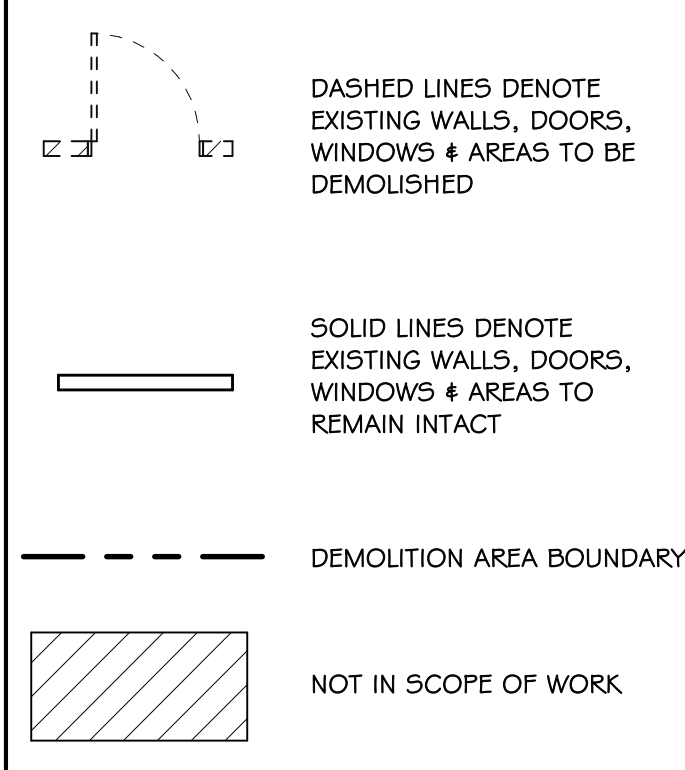
PROJECT NO: 2025.79

SHEET NO. T-7

GENERAL DEMOLITION NOTES:

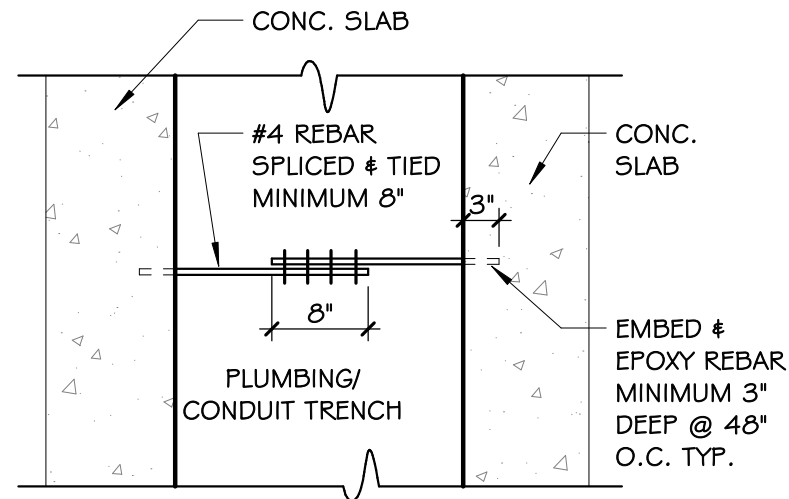
- GC TO VERIFY OVERALL DIMENSIONS AND PROVIDE DISCREPANCIES TO ARCHITECT AFTER DEMOLITION.
- WHEREVER WALL DEMO IS CALLED OUT, REMOVE COMPLETELY ALL COMPONENTS (PLUMBING, MECHANICAL & ELECTRICAL).
- CAP-OFF AND SEAL ALL PENETRATIONS FROM DEMOLISHED PLUMBING, MECHANICAL & ELECTRICAL.
- DEMOLISH AND REMOVE ALL SUSPENDED CEILING COMPONENTS.
- REMOVE ALL PLUMBING, MECHANICAL & ELECTRICAL SYSTEMS WITHIN THE TENANT SPACE WITHIN THE DEMO BOUNDARY.
- EXISTING CONCRETE FLOOR SLAB SHALL BE LEVELED, BROOM CLEANED WITH NO REMAINING ADHESIVE RESIDUE & SEALED AS REQUIRED.
- REMOVAL OF DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE COORDINATED BETWEEN THE GENERAL CONTRACTOR, THE PROPERTY MANAGER & ALL APPLICABLE LOCAL CODES AND ORDINANCES.
- WHEN ABANDONED PLUMBING AND ELECTRICAL PROTRUDE ABOVE THE FLOOR SLAB: CUT, CAP & PATCH SO AREA IS FLUSH WITH FINISHED FLOOR SLAB.
- LEAVE TENANT SPACE PREPARED FOR NEW INTERIOR FINISHES PER THESE CONSTRUCTION DOCUMENTS.
- CONCRETE DEMOLITION - REQUIREMENTS FOR PATCHING AND REPAIRING THE EXISTING REINFORCED CONCRETE SLAB ON GRADE WHICH HAVE BEEN DISTURBED DURING THE UNDER FLOOR MODIFICATIONS:
 - SAW CUTS IN THE FLOOR, IF REQUIRED, SHALL BE CAREFULLY PERFORMED AND THE EXISTING CONCRETE MATERIALS CAREFULLY REMOVED FROM THE TRENCH LOCATIONS.
 - THE SAND OR GRAVEL BED SUBSTRATE WILL BE REMOVED AS REQUIRED FOR ANY MODIFICATIONS AND CAREFULLY STOCKPILED SUBSTRATE MATERIALS WILL BE PLACED BACK IN THE VOIDS AND RE-COMPACTED IN PLACE WHEN MODIFICATIONS ARE COMPLETE.
 - SOILS PRETREATED FOR TERMITE PROTECTION DURING ORIGINAL BUILDING SHELL CONSTRUCTION WILL NOT BE REQUIRED TO BE RE-TREATED UNLESS REQUIRED BY THE LOCAL GOVERNING AGENCY.
 - DAMP PROOFING MEMBRANE TO BE PATCHED AND REPAIRED USING 10 MIL. POLYETHYLENE FILM AS NEEDED TO SEAL ALL OPENINGS IN MEMBRANE.
 - VOIDS IN THE CONCRETE FLOOR SLAB WILL BE FILLED WITH 3000 PSI CONCRETE WITH FIBER MESH ADMIXTURE. THE CONCRETE FINISH SHALL MATCH THAT OF THE EXISTING FLOOR SLAB.

DEMO PLAN LEGEND



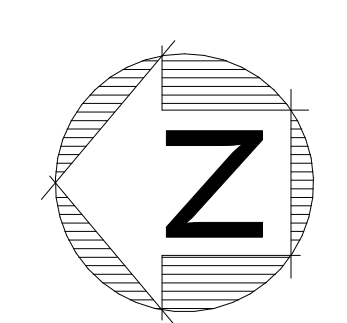
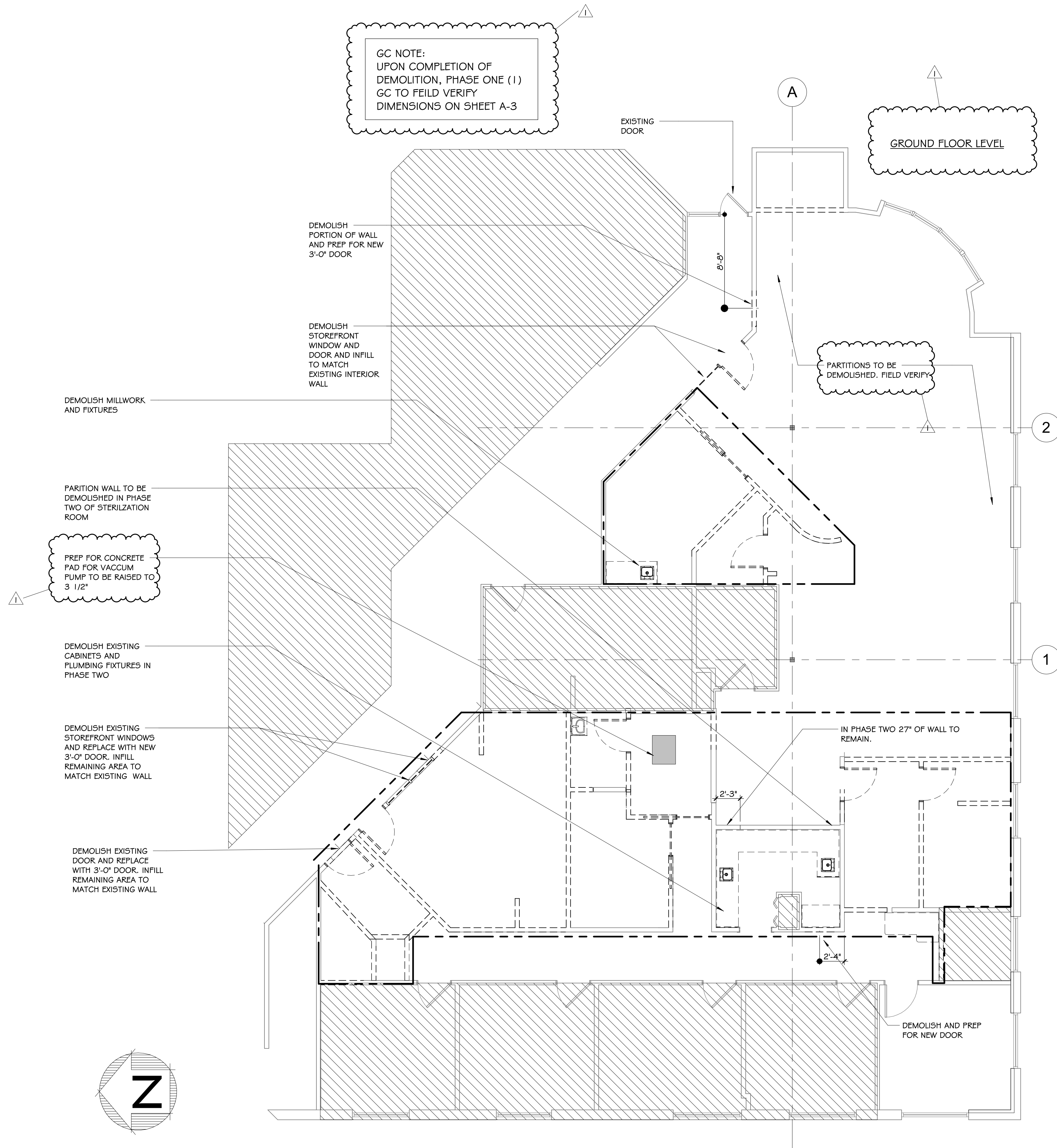
FLOOR SLAB MOISTURE VAPOR EMISSION TESTS:

MINIMUM FOUR (4) TEST KITS TO BE UTILIZED TO DETERMINE MOISTURE VAPOR EMISSIONS IN CONCRETE SLAB. MOISTURE VAPOR EMISSION TEST TO BE CONDUCTED IN GENERAL ACCORDANCE WITH ASTM-F 1869



2 A-0 3/4" = 1'-0" DETAIL - CONC. SLAB REPAIR

GC NOTE: UPON COMPLETION OF DEMOLITION, PHASE ONE (1) GC TO FIELD VERIFY DIMENSIONS ON SHEET A-3



1 A-0 DEMOLITION FLOOR PLAN 3/16" = 1'-0"

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DATE	DESCRIPTION	DR	CHKD	DATE	DESCRIPTION	DR	CHKD
03/12/26	CONSTRUCTION DOCUMENTATION ADDENDUM NO. 1	EMM	EMM				

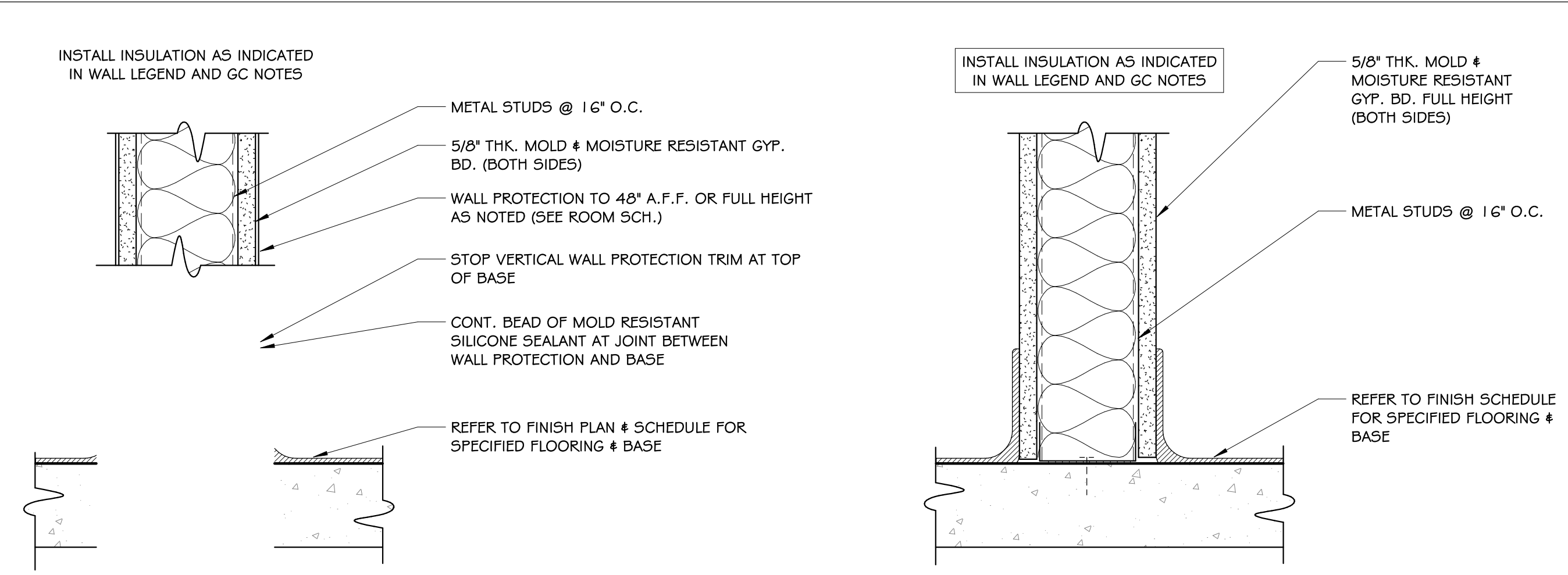
HOPKIN ORAL SURGERY EXPANSION

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1377 E 3900 S
SALT LAKE CITY, UTAH

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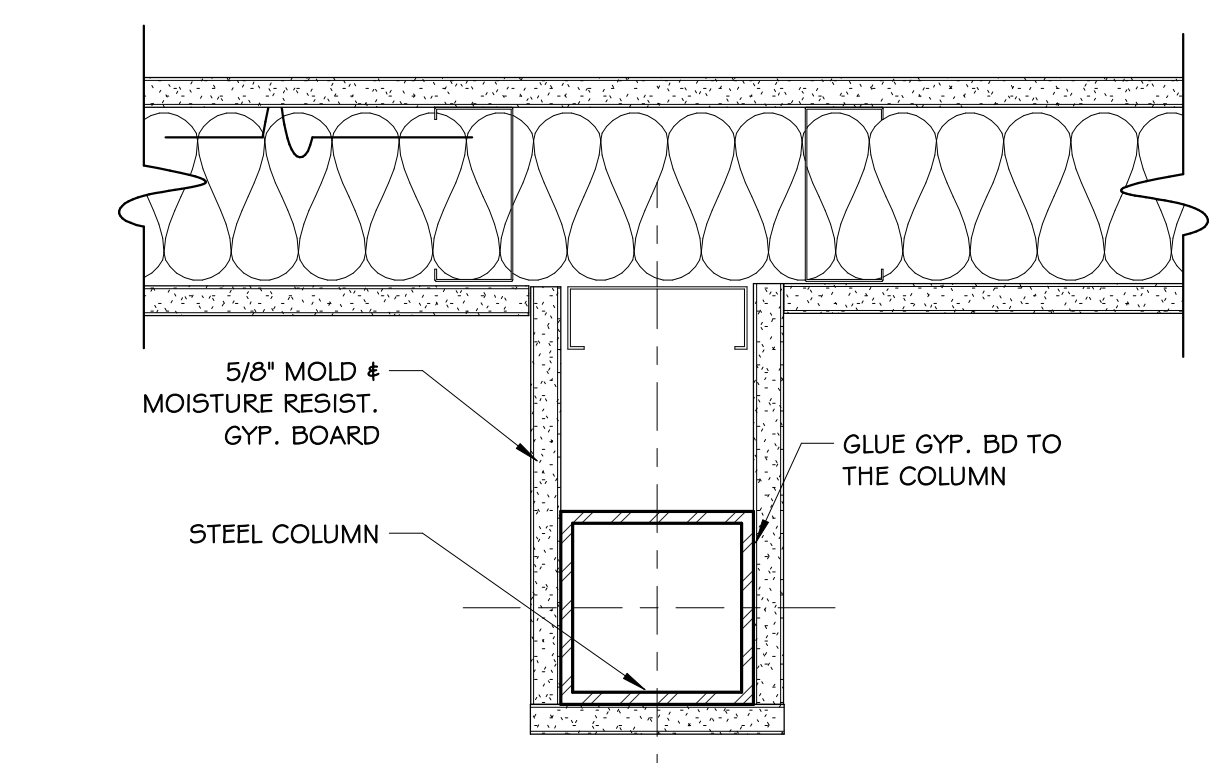
DEMOLITION FLOOR PLAN

DRAWN BY: EMM
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO: A-0

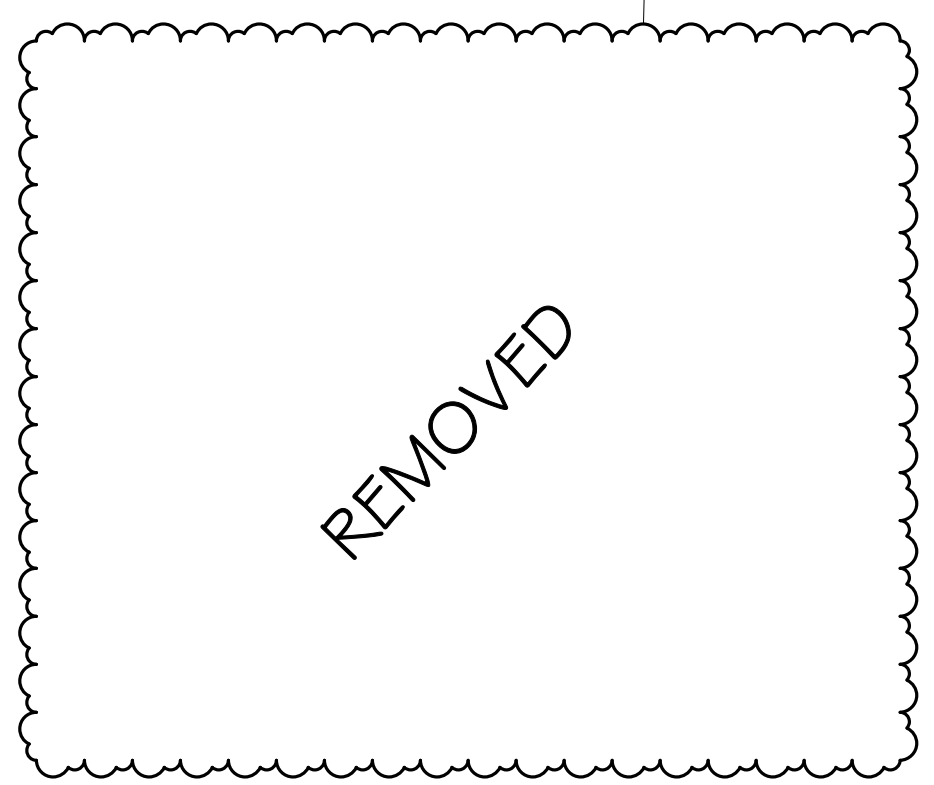


3 WALL/FLOOR SECTION - WALL PROTECTION ON PART. 3" = 1'-0"

2 WALL/FLOOR SECTION - TYP. PARTITION 3" = 1'-0"



4 DETAIL - COLUMN FURRING (OUTBOARD) 3" = 1'-0"



DIMENSION PLAN NOTES:
 ALL DIMENSIONS ARE TO FINISHED FACE OF INTERIOR/ EXTERIOR WALLS
 *EXCLUDES WALLS NOTED AS FIELD VERIFY (F.V.)
 COORDINATE BLOCKING DETAILS PROVIDED BY MEDICAL SUPPLIER FOR DENTAL LIGHTING AND EQUIPMENT LOCATIONS

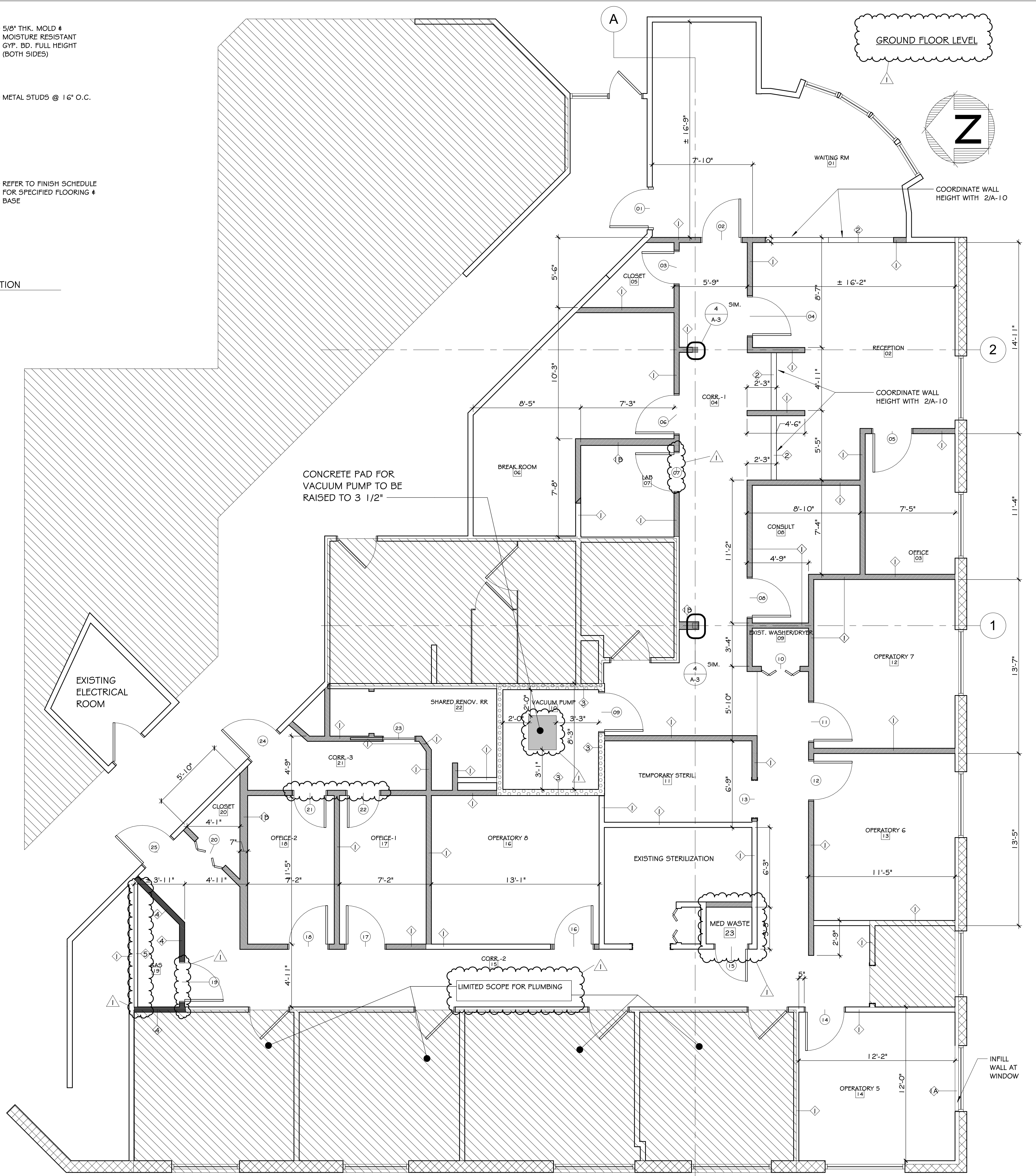
WALL LEGEND

	NEW NON RATED PARTITION
	EXISTING NON RATED PARTITION
	HALF WALL. SEE ELEVATION FOR HEIGHTS
	NEW ACOUSTIC PARTITION
	NEW ONE HOUR FIRE RATED BARRIER (UL DES. U465 AND FM WR-45, 6-19-66)
	NEW ONE HOUR FIRE RATED SHAFT WALL ASSEMBLY (UL DES. U415)
	NOT IN SCOPE OF WORK UNLESS NOTED OTHERWISE

4A-80B-C, WALL HUNG FIRE EXTINGUISHER; PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINETS WITH FLUSH HANDLES IN PATIENT AREAS. MOUNT SO HANDLE IS 42" AFF. PROVIDE SURFACE MOUNTED FIRE EXTINGUISHERS IN THE BACK-OF-HOUSE AREAS. MOUNT SO HANDLE IS 42" AFF.

NOTE: PROVIDE FULL HEIGHT SOUND BATT / MINERAL INSULATION IN ALL PARTITIONS OF OPERATORY ROOMS, CONSULT/EXAM ROOMS, EQUIPMENT ROOM.

1 DIMENSIONED FLOOR PLAN 1/4" = 1'-0"



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DATE	DRWN	CHKD	EMM	DKA	EMM	DKA
03/12/26	EMM	EMM	EMM	EMM	EMM	EMM

DESCRIPTION
 CONSTRUCTION DOCUMENTATION
 APPENDIX NO. 1

HOPKIN ORAL SURGERY EXPANSION

U505M
 1377 E 3900 S
 SALT LAKE CITY, UTAH

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DIMENSIONED FLOOR PLAN

DRAWN BY: EMM
 DATE: 03/12/26
 PROJECT NO: 2025.79
 SHEET NO: A-3

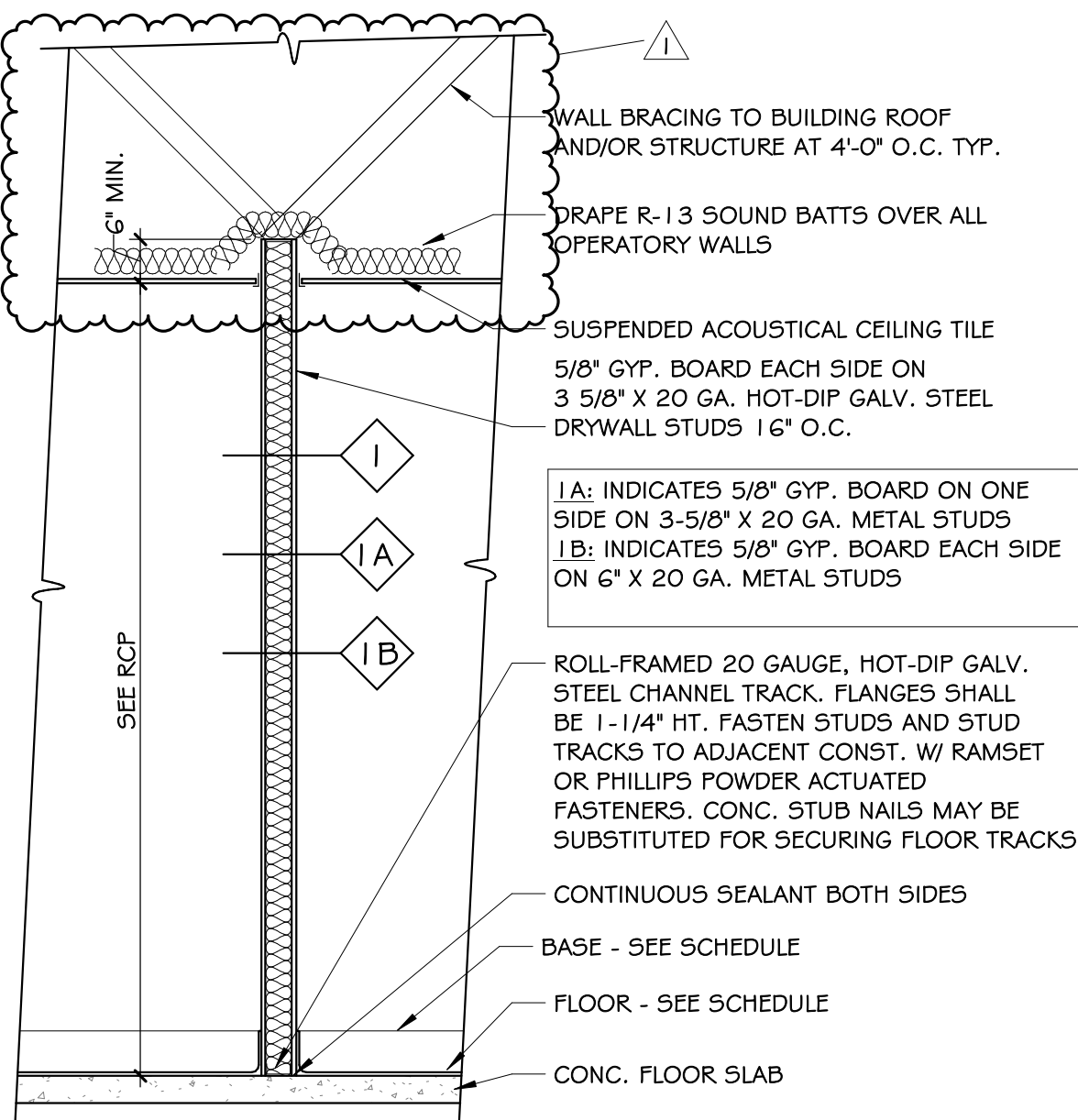
GENERAL CODE APPLICATION NOTES:

REFERENCE COVER SHEET CODE APPLICATION FOR EDITION YEARS

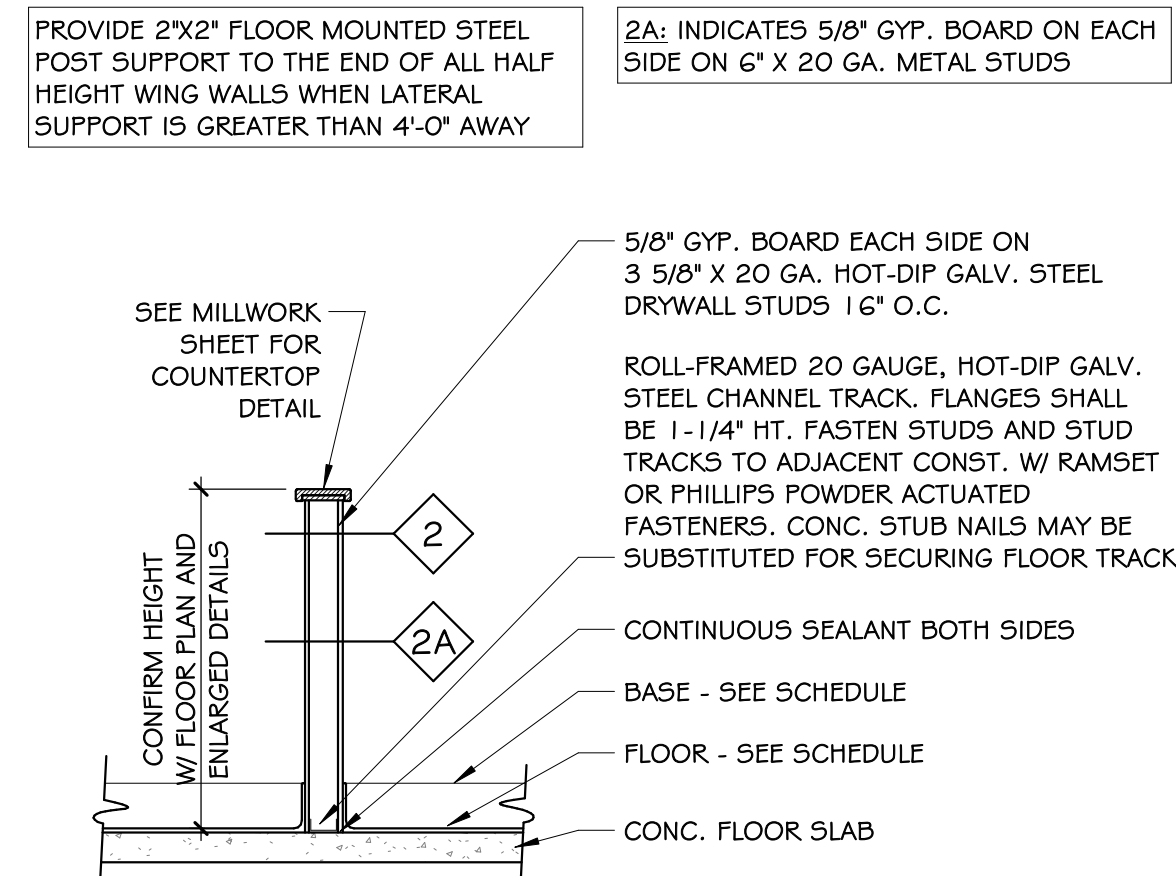
- CHAPTER 14: FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
- CHAPTER 7: FIRE PROTECTION OF (DOOR/WINDOW) OPENING IN FIRE BARRIER: (A) 1 HOUR FIRE BARRIER: FOR VERTICAL OPENINGS OR EXIT ENCLOSURES - AND 3/4 HOUR "C-LABEL" FIRE PROTECTION WHERE USED FOR OTHER THAN VERTICAL; (B) DOORS - 1 HOUR "B-LABEL" FIRE RATED WOOD DOORS AND METAL FRAMES; (C) WINDOWS - 1/4" WIRE GLASS IN FIRE RATED METAL FRAME, MAX. GLASS PANE SIZE - 1296 SQ. IN.
- RATING AND PROTECTION OF OPENINGS (FLOORS, WALLS & CEILINGS) IN RATED BARRIERS AND ASSEMBLIES - OPENINGS SHALL BE PROTECTED AS APPROPRIATE FOR THE FIRE RATING OF THE BARRIER. PENETRATIONS SHALL BE SEALED WITH MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASSES AND SHALL MEET THE FIRE STOP STANDARD, ASTM-E814 OR NFPA 251. DOORS IN RATED ASSEMBLIES SHALL NORMALLY BE KEPT CLOSED. IF HELD OPEN, THEY SHALL BE EQUIPPED WITH AUTOMATIC DEVICES THAT WILL RELEASE THE DOORS UPON THE ACTIVATION OF EITHER (A) FIRE ALARM SYSTEM, (B) LOCAL SMOKE DETECTOR OR AUTOMATIC FIRE EXTINGUISHING OR AUTOMATIC FIRE DETECTING SYSTEM.
- AN APPROVED SMOKE DAMPER SHALL BE PROVIDED FOR EACH AIR-TRANSFER OPENING OR DUCT PENETRATION OF A REQUIRED SMOKE BARRIER, UNLESS OTHERWISE PERMITTED BY MECH. CODE PROVISIONS.
- REQUIRED SMOKE DAMPER IN DUCTS PENETRATING SMOKE BARRIER SHALL CLOSE UPON DETECTION OF SMOKE, BY APPROVED SMOKE DETECTORS INSTALLED IN ACCORDANCE WITH NFPA 72, NATIONAL FIRE ALARM CODE.
- FLOOR LEVEL: ELEVATION OF FLOOR SURFACES ON BOTH SIDES OF A DOOR SHALL NOT VARY BY MORE THAN 1/2" FOR A DISTANCE EQUAL TO THE WIDTH OF WIDEST DOOR LEAF. THRESHOLDS AT DOORWAYS SHALL NOT BE MORE THAN 1/2" IN HEIGHT. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES MORE THAN 1/4" AT DOORWAYS SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1 IN 2.
- CHANGES IN LEVEL: 1/4" OR LESS MAY BE VERTICAL AND WITHOUT EDGE TREATMENT; AND 1/4" TO 1/2" SHALL BE BEVELED WITH SLOPES 1:2 MAXIMUM; AND OVER 1/2" SHALL BE RAMPED WITH SLOPES 1:2 MAXIMUM.
- CHANGES IN LEVEL IN MEANS OF EGRESS NOT MORE THAN 21" SHALL BE EITHER BY A RAMP OR BY STAIRS PER 5-2.2. PRESENCE AND LOCATION OF RAMPED AND/OR STAIR PORTIONS OF WALKWAYS SHALL BE READILY APPARENT, WITH 1" TREAD DEPTHS.
- ANY PART OF THE ACCESSIBLE ROUTE WITH SLOPE GREATER THAN 1:20 SHALL BE CONSIDERED A RAMP.
- RAMP AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS, WALLS, RAILINGS OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP, OR LANDING, PROVIDE 2" MINIMUM CURB HEIGHTS ON RAMP AND LANDINGS.
- CONTROLS AND OPERATING MECHANISMS ALONG ACCESSIBLE ROUTES AND SPACES OR AS PART OF AN ACCESSIBLE ELEMENTS (LIGHT SWITCHES, DISPENSER CONTROLS, THERMOSTATS, ETC.) SHALL COMPLY WITH ALONG ACCESSIBLE ROUTES AND ACCESSIBLE SPACES OR AS PART OF AN ACCESSIBLE ELEMENT. -MAXIMUM 48" SIDE REACH AND MAXIMUM 48" FORWARD REACH.
- SINKS, LAVATORIES AND VANITIES: (A) ALL COMMON USE LAVATORY FIXTURES, SINKS, VANITIES, AND BUILT-IN LAVATORIES SHALL COMPLY - STANDARD STYLE FIXTURES THAT COMPLY SPECIALTY SINKS THAT REQUIRE DEEP SINK BOWL SHALL BE ACCESSIBLE FROM SIDE APPROACH WITH SINK HEIGHT OF 34" MAXIMUM. IF PROVIDED, AT LEAST ON SCRUB SINK IS REQUIRED TO BE ACCESSIBLE IN EACH ROOM OR AREA.
- CLEAR FLOOR SPACE: 30" X 48" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF A LAVATORY, IF THEY ADJOIN OR OVERLAP ON ACCESSIBLE ROUTE, SUCH SPACE SHALL EXTEND 19" MAXIMUM UNDERNEATH THE LAVATORY.
- MOLDED PLASTIC MATERIALS USED FOR LIGHT TRANSMISSION SHALL MEET THE INTERIOR FINISH REQUIREMENTS COMPLETE WITH UL TESTING CERTIFICATION.
- DOOR HARDWARE - ACCESSIBLE DOORS, ETC. SHALL HAVE A SHAPE THAT IS TO BE GRASPED WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE (OPENABLE WITH NOT MORE THAN ONE RELEASING OPERATION). LEVER OPERATED MECHANISMS, PUSH-TYPE MECHANISMS AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGN. (DOOR KNOBS DO NOT COMPLY).
- STENCIL OR INSTALL STICKERS (WITH STAPLES) BOTH SIDES OF RATED ASSEMBLIES MINIMUM 20" O.C. INDICATING THE ASSEMBLY HOUR RATING AND "SEAL ALL PENETRATIONS".
- PROVIDE TACTILE "EXIT" SIGN AT EACH DOOR TO AN EGRESS STAIRWAY, AN EXIT PASSAGEWAY, AND ALL EXIT DISCHARGE POINTS PER IBC 1011.1.3 & ANSI A117.1 SECTION 703.
- REFER TO TITLE OR COVER SHEET AND OTHER DRAWINGS FOR ADDITIONAL CODE APPLICATION REFERENCES.

NOTE:

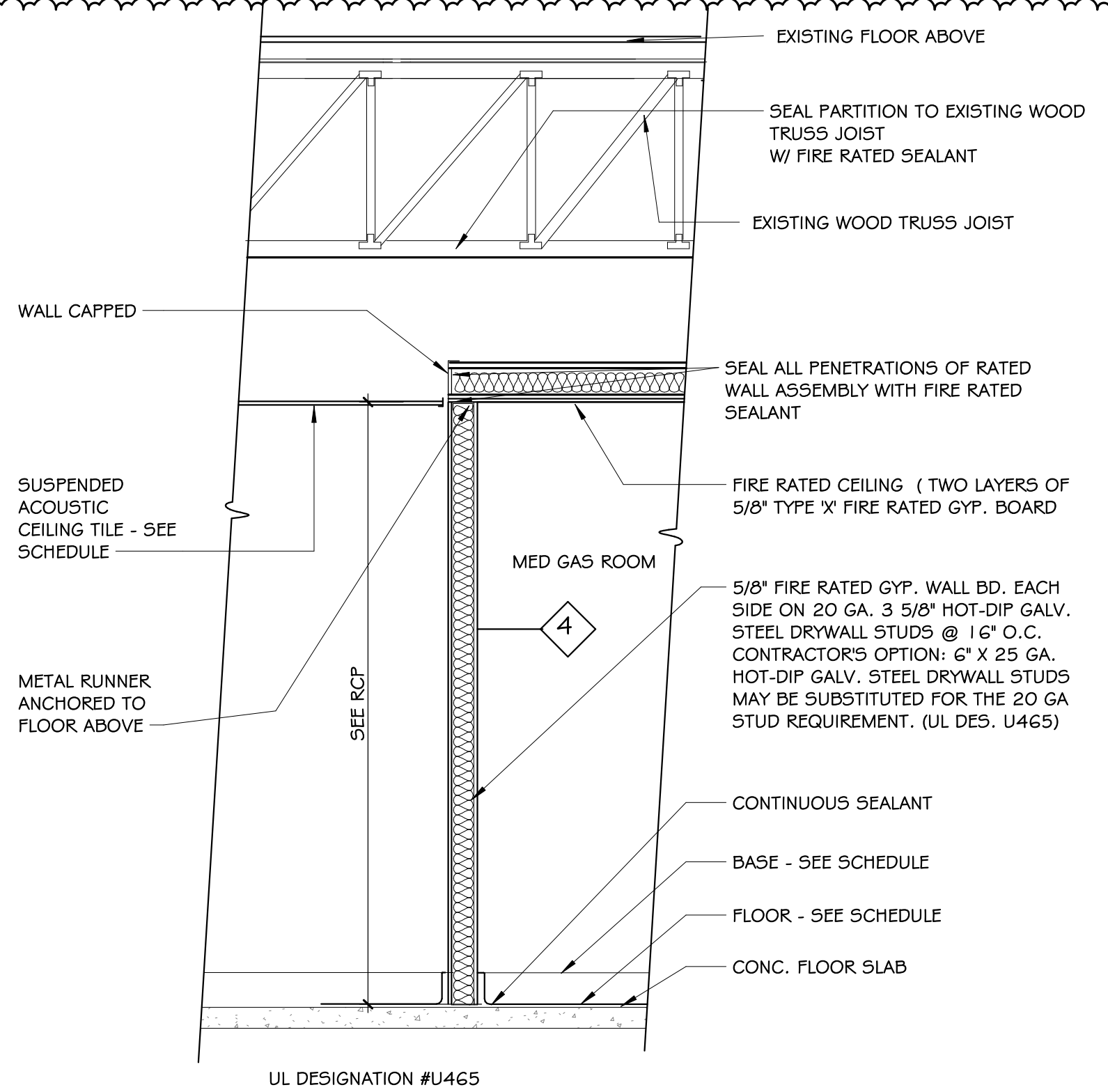
PROVIDE 2'X2" FLOOR MOUNTED STEEL POST SUPPORT TO THE END OF HALF HEIGHT WING WALLS WHEN LATERAL SUPPORT IS GREATER THAN 4'-0" AWAY



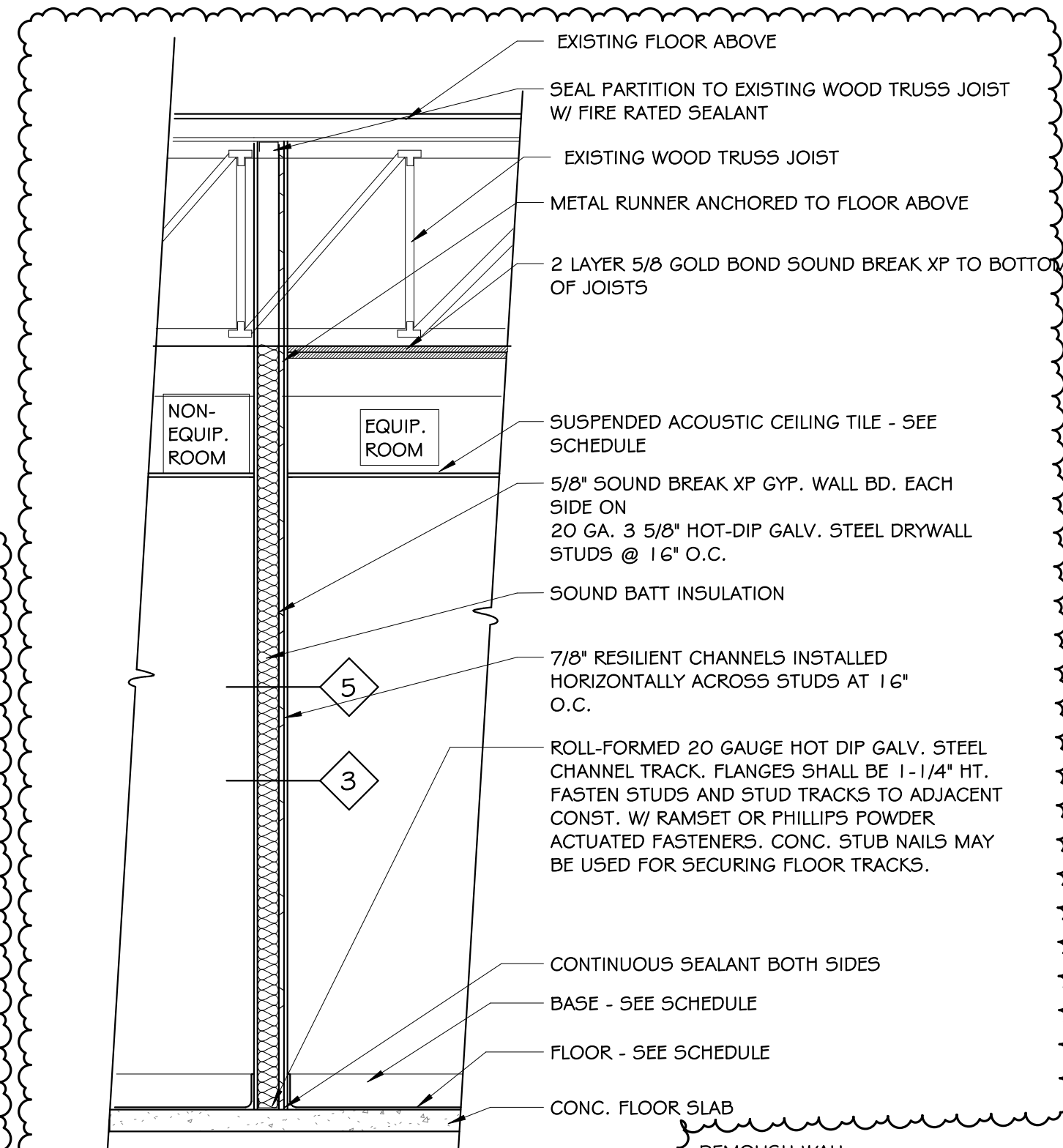
2 WALL SECTION - NON-RATED PARTITION
A-4 1/2" = 1'-0"



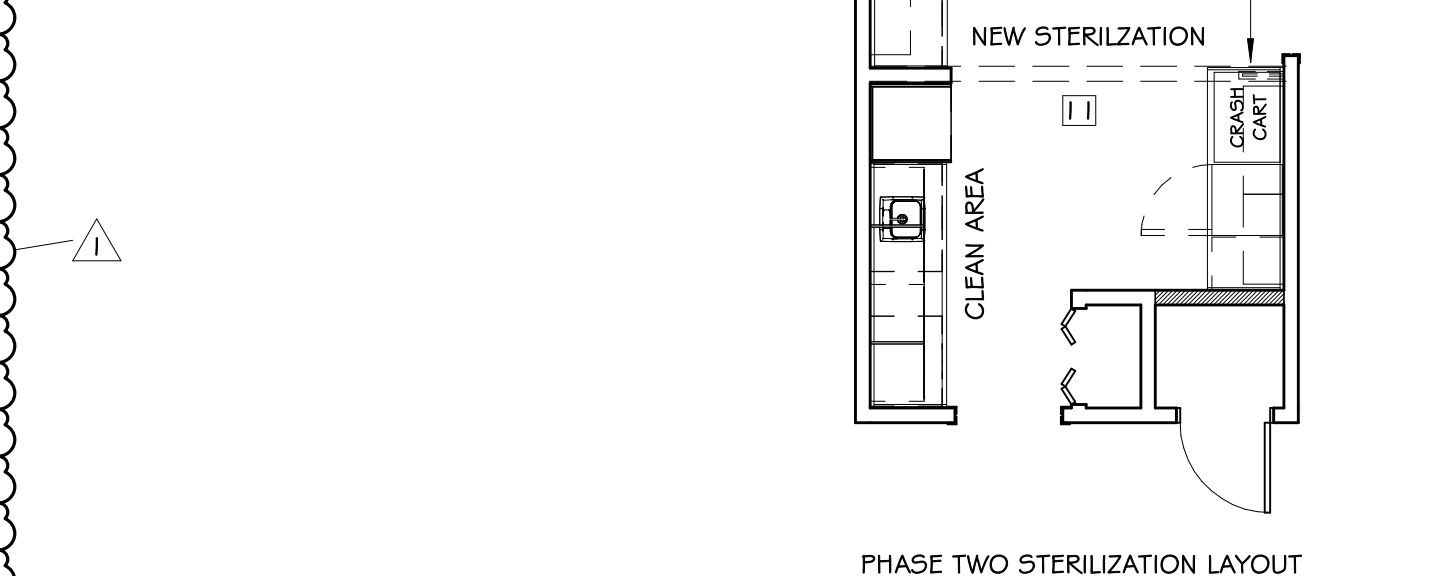
3 WALL SECTION - NON-RATED PARTITION HALF HEIGHT
A-4 1/2" = 1'-0"



4 WALL SECTION - 1 HR FIRE RATED FIRE BARRIER W/ RATED CEILING
A-4 1/2" = 1'-0"

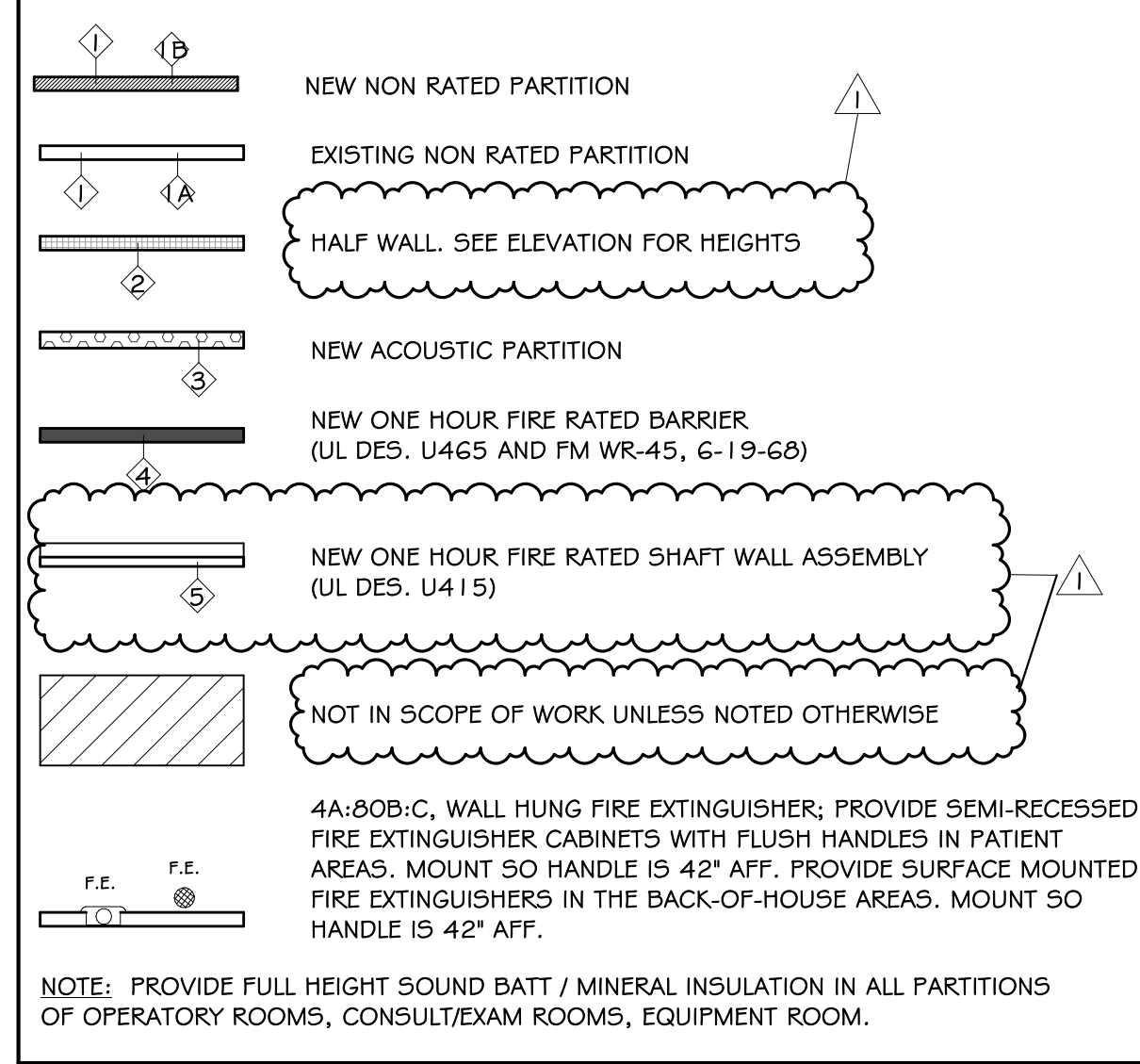


5 WALL SECTION - ACOUSTIC PARTITION (BAR JOIST)
A-4 1/2" = 1'-0"



PHASE TWO STERILIZATION LAYOUT

WALL LEGEND



SELECTED FIRE RATED WALL ASSEMBLIES:

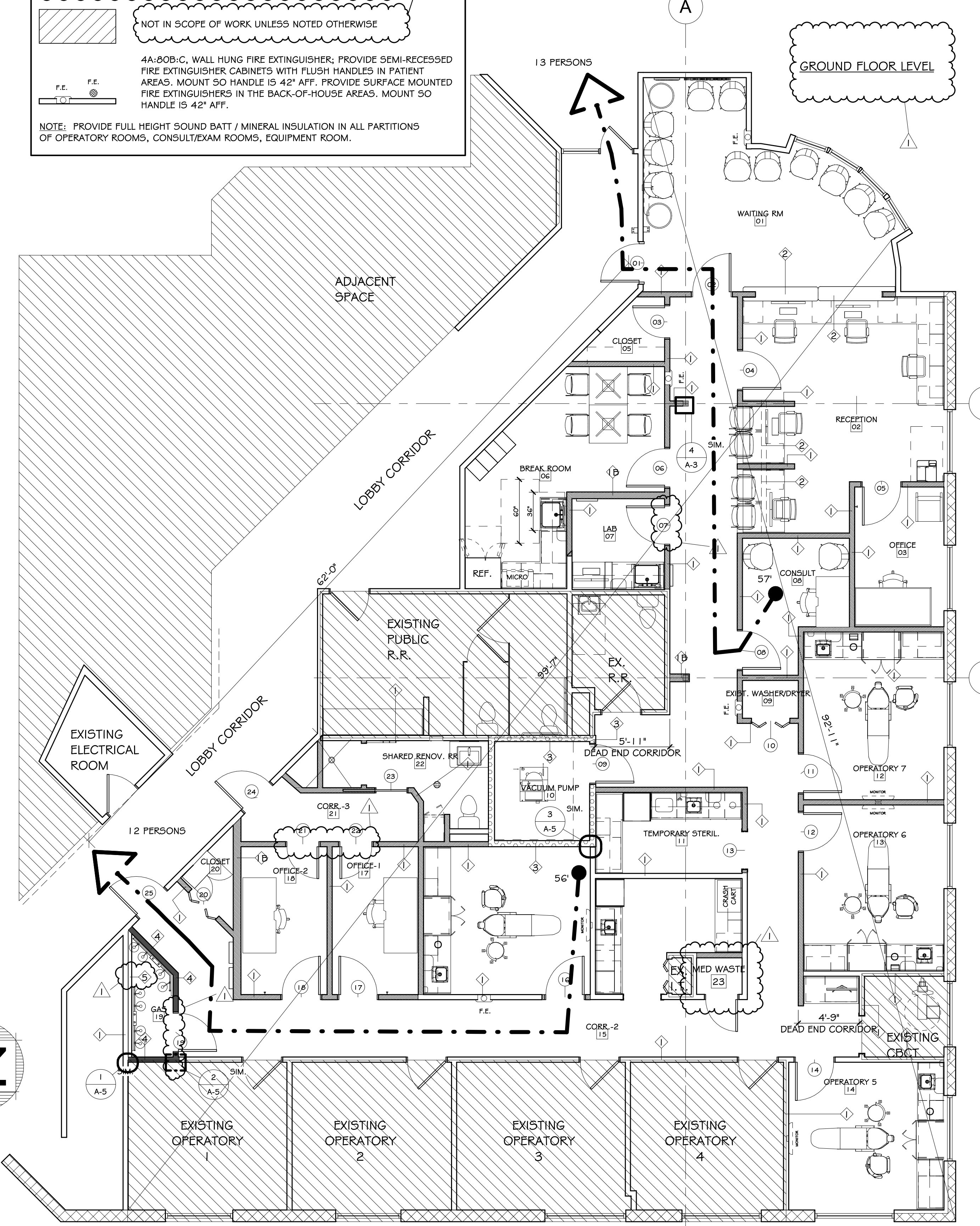
UL LAB DES. U465 (METAL STUDS) CONSTRUCTION CRITERIA AND REQUIREMENTS. CONSTRUCTION OF NEW ONE HOUR FIRE RATED PARTITIONS AND BARRIERS:

BOARD APPLIED AT RIGHT ANGLES TO EACH SIDE OF 3 5/8" STUDS @ 16" O.C. WITH 6d COATED NAILS, 1 7/8" LONG, 0.915" SHANK, 1/4" HEADS @ 37" O.C., SPACING 7" O.C. ALONG EDGES AND 12" O.C. IN FIELD. ORIENT JOINTS VERTICALLY AND STAGGER ON OPPOSITE SIDE OF WALL IN ACCORDANCE WITH SELECTED PUBLISHED DESIGN STANDARDS OF THE FIRE TESTING AGENCY AND THE REQUIREMENTS OF THE STATE FIRE MARSHAL.

SMOKE PARTITION CONSTRUCTION SHALL PROVIDE A CONTINUOUS MEMBRANE THAT WILL RESIST THE PASSAGE OF SMOKE.

ALL JOINTS SHALL BE BEDDED AND TAPED AND LEFT READY TO RECEIVE THE SCHEDULED FINISHES.

ALL PENETRATIONS AND PERIMETER OF FIRE RATED BARRIERS AND SMOKE PARTITIONS SHALL BE SEALED WITH A 3RD PARTY VERIFIED FIRE RATED CAULKING APPLICATION.



1 LIFE SAFETY FLOOR PLAN
A-4 3/16" = 1'-0"

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DATE	DRWN	CHKD	DATE	DRWN	CHKD
03/12/26	EMM	EMM			
04/09/26					

DESCRIPTION: CONSTRUCTION DOCUMENTATION
ADDRESS: INCL. 1

PROJECT: HOPKIN ORAL SURGERY EXPANSION

DATE: 03/12/26

DRWN: EMM

CHKD: EMM

DATE: 04/09/26

DRWN: EMM

CHKD: EMM

U505M

1377 E 3900 S

SALT LAKE CITY, UTAH

HOPKIN ORAL SURGERY EXPANSION

U505M

1377 E 3900 S

SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION

CODE COMPLIANCE AND LIFE SAFETY

DRAWN BY: EMM

DATE: 03/12/26

PROJECT NO: 2025.79

SHEET NO: A-4

WALL ASSEMBLY: UL DES. U465:

- FLOOR AND CEILING RUNNERS - CHANNEL SHAPED RUNNERS, 3 5/8 IN WIDE (MIN), 1 1/4 IN LEGS, FORMED FROM MIN NO 25 MSG (MIN NO 20 MSG WHEN ITEM 4C IS USED) GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN OC MAX.
- STEEL STUDS - CHANNEL SHAPED 3 5/8 IN WIDE (MIN) 1 1/4 IN LEGS, 3/8 IN FOLDED BACK RETURNS, FORMED FROM MIN NO 25 MSG (MIN NO 20 MSG WHEN ITEM 4C IS USED) GALV STEEL SPACED 24 IN OC MAX.
- BATTS AND BLANKET* - (OPTIONAL) MINERAL WOOL OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY.
- WALLBOARD GYPSUM* - 5/8 IN THICK, 4 FT WIDE ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH 1 IN LONG, TYPE 5 STEEL SCREWS SPACED 8 IN OC ALONG EDGES OF BOARD AND 12 IN OC IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN ATTACHED TO ITEM 6 (FURRING CHANNELS), WALLBOARD IS SCREW ATTACHED TO FURRING CHANNELS WITH 1 IN LONG TYPE 5 STEEL SCREWS SPACED 12 IN OC.
- WALLBOARD, GYPSUM* - (AS AN ALTERNATE TO ITEM 4) - NOM 3/4 IN THICK 4 FT WIDE, INSTALLED AS DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO 1 1/4 IN.
 - WALLBOARD, GYPSUM* - (AS AN ALTERNATE TO ITEM 4 AND 4A) - 5/8 IN THICK INSTALLED AS DESCRIBED IN ITEM 4. JOINT COVERING (ITEM 5) NOT REQUIRED.
 - WALLBOARD, GYPSUM* - (AS AN ALTERNATE TO ITEM 4, 4A, AND 4B) - 5/8 IN THICK GYPSUM PANELS, INSTALLED AS DESCRIBED IN ITEM 4 WITH 5-12 STEEL SCREWS. THE LENGTH AND SPACING OF THE SCREWS AS SPECIFIED UNDER ITEM 4.
 - REFERENCE UNDERWRITERS LABORATORIES FOR APPROVED WALLBOARD AND GYPSUM TYPES.
- JOINT TAPE AND COMPOUND - VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOMINAL 3/32 IN THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED.
- FURRING CHANNEL - (OPTIONAL) - RESILIENT 25 MSG GALV STEEL FURRING CHANNELS SPACED VERTICALLY MAX 24 IN OC, FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN LONG TYPE 5-12 PANHEAD STEEL SCREWS. NOT FOR USE WITH TYPE FRX GYPSUM PANELS.

*UNDERWRITERS LABORATORIES- FIRE RESISTANCE DIRECTORY - VOL 1.

JOINT BOTTOM OF WALL - STATIC:

SYSTEM NO. BW-9-0007:

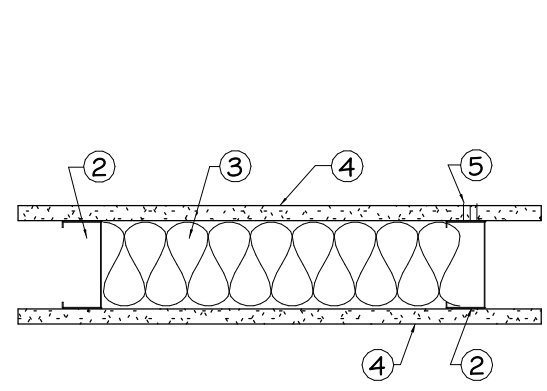
ASSEMBLY RATINGS - 1 AND 2 HR (SEE ITEM 2)
 L RATING AT AMBIENT - LESS THAN 1 CFM/LIN FT
 L RATING AT 400° F - LESS THAN 1 CFM/LIN FT
 JOINT WIDTH - 1 IN. MAX

- FLOOR ASSEMBLY - MIN 4-1/2 IN. (114 MM) THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF OR 1600-2400 KG/M3) STRUCTURAL CONCRETE. FLOOR MAY ALSO BE CONSTRUCTED OF ANY 6 IN. (152 MM) THICK UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
- WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. THE WALL SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
 - STEEL FLOOR RUNNER - FLOOR RUNNERS OF WALL ASSEMBLY SHALL CONSIST OF MIN NO. 25 GAUGE GALV STEEL CHANNELS SIZED TO ACCOMMODATE STEEL STUDS (ITEM 2C). FLOOR RUNNERS TO BE PROVIDED WITH MIN 1-1/4 IN. (32 MM) FLANGES. RUNNERS SECURED WITH STEEL FASTENERS SPACED 12 IN. (305 MM) OC.
 - STUDS - STEEL STUDS TO BE MIN 3-1/2 IN. WIDE. (89 MM) STUDS CUT 1/2 TO 3/4 IN. (13 TO 19 MM) LESS IN LENGTH THAN ASSEMBLY HEIGHT WITH BOTTOM NESTING IN, RESTING ON AND FASTENED TO FLOOR RUNNER WITH SHEET METAL SCREWS. STUD SPACING NOT TO EXCEED 24 IN. (610 MM) OC.

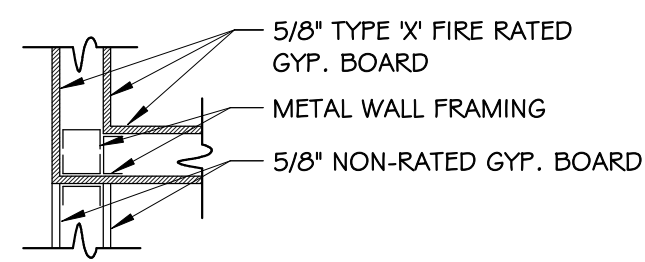
C. GYPSUM BOARD* - GYPSUM BOARD INSTALLED TO A MIN TOTAL THICKNESS OF 5/8 OR 1-1/4 IN. (16 OR 32 MM) ON EACH SIDE OF WALL FOR A 1 OR 2 HR RATED WALL, RESPECTIVELY. WALL TO BE CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY, EXCEPT THAT A MAX 1 IN. (25 MM) GAP SHALL BE MAINTAINED BETWEEN THE BOTTOM OF GYPSUM BOARD AND TOP OF CONCRETE FLOOR.

THE HOURLY FIRE RATING OF THE JOINT SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL.
 3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MAX SEPARATION BETWEEN TOP OF FLOOR AND BOTTOM OF GYPSUM BOARD IS 1 IN. (25 MM). MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL INSTALLED ON EACH SIDE OF THE WALL BETWEEN THE BOTTOM OF THE GYPSUM BOARD AND THE TOP OF THE CONCRETE FLOOR, FLUSH WITH EACH SURFACE OF THE WALL.
 3M COMPANY - FB1000 NS, FB-2000, FB-2000+, FB-3000 WT SEALANT, FIREDAM 150+, IC 15WB+, CP 25WB+ CAULK.

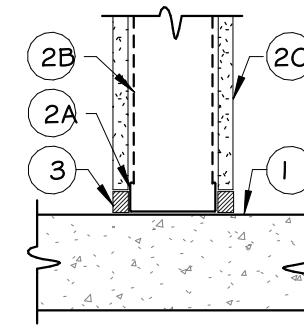
*BEARING THE UL CLASSIFICATION MARK



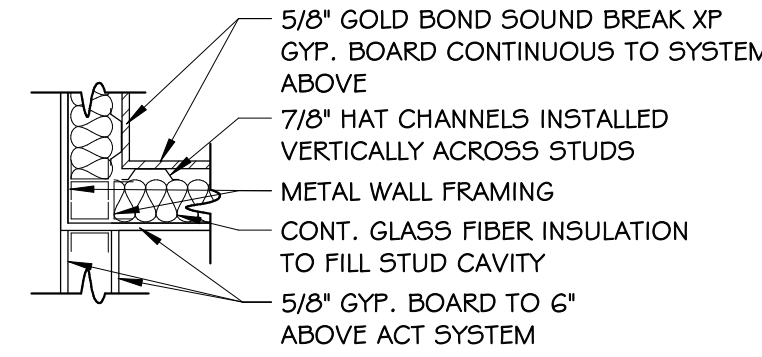
1 SECTION - RATED WALL (MTL) STRAIGHT
 A-5 3/4" = 1'-0"



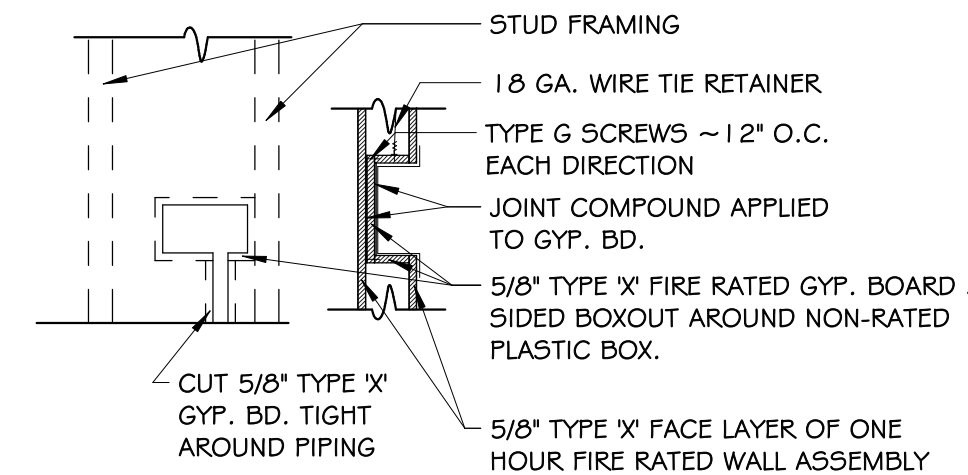
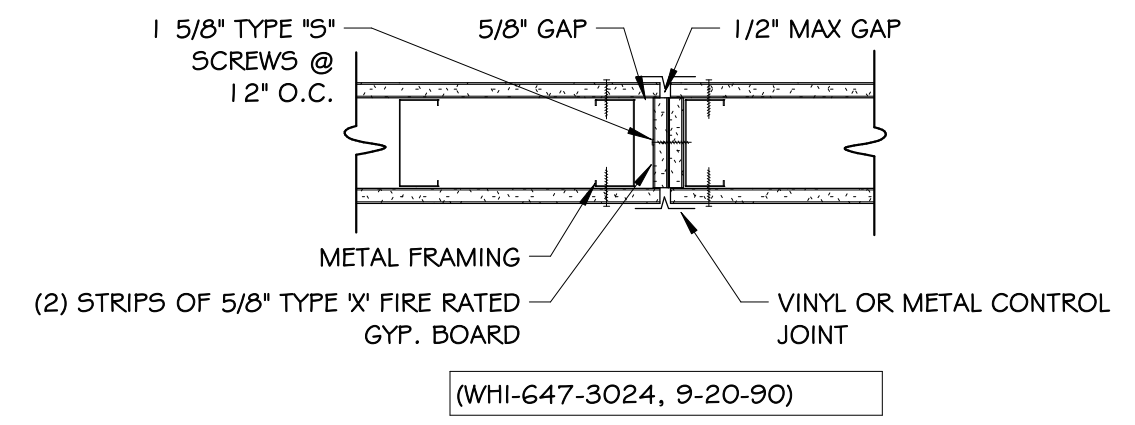
2 SECTION - RATED WALL (MTL) TEE
 A-5 3/4" = 1'-0"



3 SECTION - ACOUSTIC PARTITION (MTL) TEE
 A-5 3/4" = 1'-0"



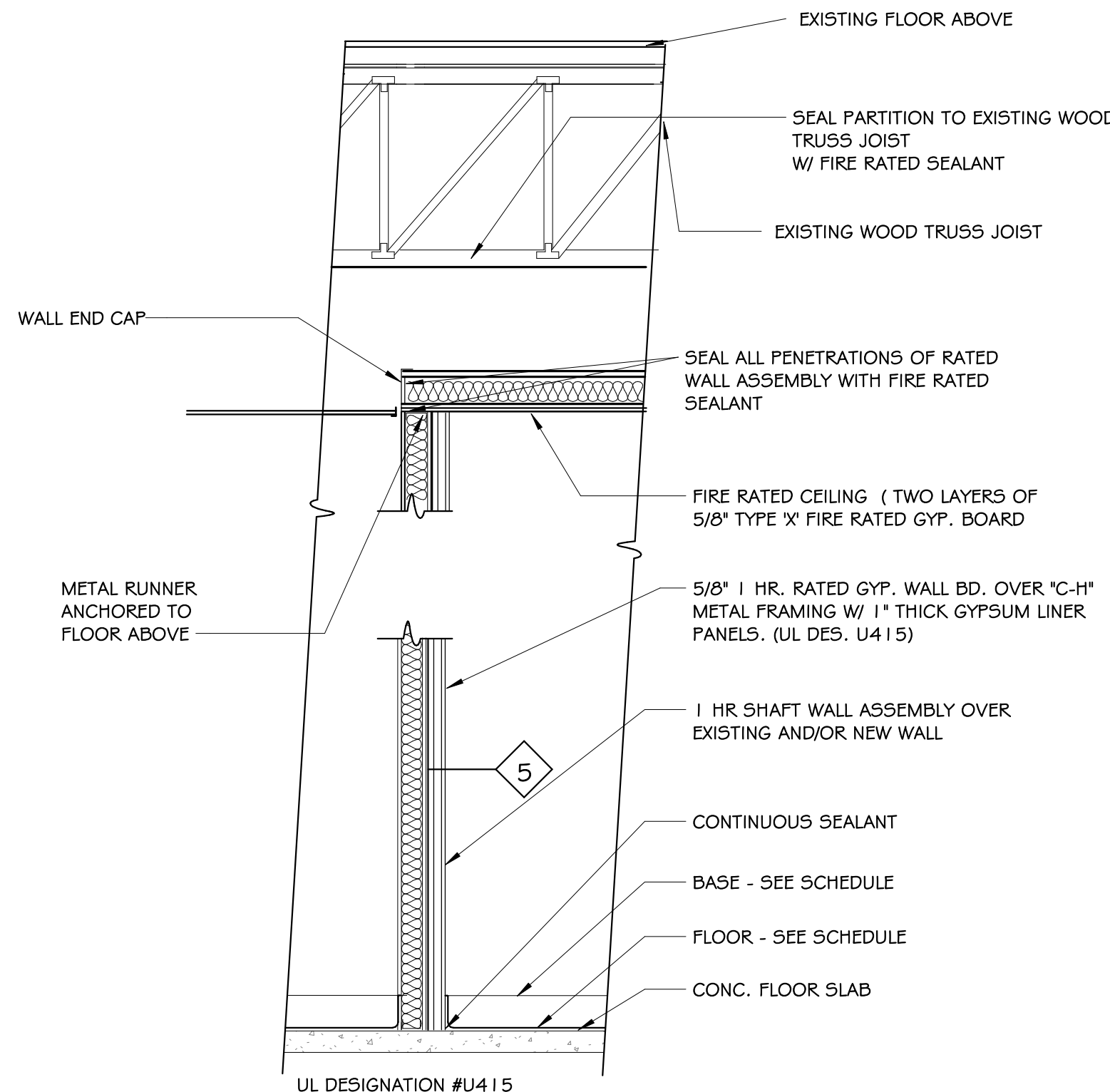
4 SECTION - LIFE SAFETY - ONE HR RATED WALL (MTL) CONTROL JOINT
 A-5 1 1/2" = 1'-0"



5 SECTION - 5-SIDED FIRE BOX DETAIL
 A-5 3/4" = 1'-0"

SHAFT WALL ASSEMBLY: UL DES. U415:

- FLOOR, SIDE AND CEILING RUNNERS - "J" - SHAPED RUNNER, MIN 2-1/2 IN. DEEP (MIN 4 IN. DEEP WHEN SYSTEM C IS USED), WITH UNEQUAL LEGS OF 1 IN. AND 2 IN., FABRICATED FROM MIN 20 MSG GALV STEEL. RUNNERS POSITIONED WITH SHORT LEG TOWARD FINISHED SIDE OF WALL. RUNNERS ATTACHED TO STRUCTURAL SUPPORTS WITH STEEL FASTENERS LOCATED NOT GREATER THAN 2 IN. FROM ENDS AND NOT GREATER THAN 24 IN. OC. "E" - SHAPED STUDS MAY BE USED AS SIDE RUNNERS IN PLACE OF "J" - SHAPED RUNNERS.
- STEEL STUDS - "C-H" - SHAPED STUDS, MIN 2-1/2 IN. DEEP (MIN 4 IN. DEEP WHEN SYSTEM C IS USED), FABRICATED FROM MIN 20 MSG GALV STEEL. CUT TO LENGTHS 3/8 TO 1/2 IN. LESS THAN FLOOR-TO-CEILING HEIGHT AND SPACED 24 IN. OR 600 MM OC.
- GYPSUM BOARD* - GYPSUM LINER PANELS, NOM 1 IN. THICK, 24 IN. OR 600 MM (FOR METRIC SPACING) WIDE. PANELS CUT 1 IN. LESS IN LENGTH THAN FLOOR TO CEILING HEIGHT. VERTICAL EDGES INSERTED IN "H" PORTION OF "C-H" STUDS OR THE GAP BETWEEN THE TWO 3/4 IN. LEGS OF THE "E" STUDS. FREE EDGE OF END PANELS ATTACHED TO LONG LEG OF VERTICAL "J" - RUNNERS WITH 1-5/8 IN. LONG TYPE 5 STEEL SCREWS SPACED NOT GREATER THAN 12 IN. OC. WHEN WALL HEIGHT EXCEEDS LINER PANEL LENGTH, LINER PANEL MAY BE BUTTED TO EXTEND TO THE FULL HEIGHT OF THE WALL. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. IN SYSTEM 1, BUTT JOINTS IN LINER PANELS ARE STAGGERED MIN 3/8 IN. BUTT JOINTS BACKED WITH 6 IN. BY 22 IN. STRIPS OF 3/4 IN. THICK GYPSUM WALLBOARD (ITEM 4). WALLBOARD STRIPS CENTERED OVER BUTT JOINTS AND SECURED TO LINER PANELS WITH SIX 1-1/2 IN. LONG TYPE G STEEL SCREWS, THREE SCREWS ALONG THE 22 IN. DIMENSION AT THE TOP AND BOTTOM OF THE STRIPS.
- GYPSUM BOARD* - SYSTEM A - 1 HR GYPSUM PANELS, WITH BEVELED, SQUARE OR TAPERED EDGES, NOM 5/8 IN. THICK, 48 IN. OR 1200 MM WIDE, APPLIED VERTICALLY OR HORIZONTALLY, ATTACHED TO STUDS WITH 1 IN. LONG TYPE 5 STEEL SCREWS SPACED 12 IN. WHEN INSTALLED VERTICALLY OR 8 IN OC WHEN INSTALLED HORIZONTALLY. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING.
- JOINT TAPE AND COMPOUND - JOINTS ON OUTER LAYERS OF GYPSUM BOARDS (ITEM 4 AND 4A) COVERED WITH PAPER TAPE AND JOINT COMPOUND. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM BOARDS ARE SUPPLIED WITH SQUARE EDGES. EXPOSED SCREW HEADS COVERED WITH JOINT COMPOUND.
- BATTS AND BLANKETS* - (OPTIONAL) - MINERAL WOOL OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. ANY MINERAL WOOL OR GLASS FIBER BATT MINERAL BEARING THE UL CLASSIFICATION MARKING AS TO FIRE RESISTANCE.



NOTE: SEALANT MATERIAL TO BE CAPABLE OF PREVENTING THE PASSAGE OF FLAMES & HOT GASES AND SHALL MEET THE TEST STANDARDS FOR FIRE STOP ASTM E814 OR NFPA 251. TO BE USED AT 1-HR FIRE RATED WALLS ONLY.

6 WALL ASSEMBLY UL DES. U415 SHAFT WALL
 A-5 1 1/2" = 1'-0"

7 WALL SECTION - 1 HR FIRE RATED SHAFT WALL ASSEMBLY (WOOD JOIST)
 A-5 1/2" = 1'-0"

STRAIN RELIEF SYSTEM - PERIMETER RELIEF, HEAD OF WALL

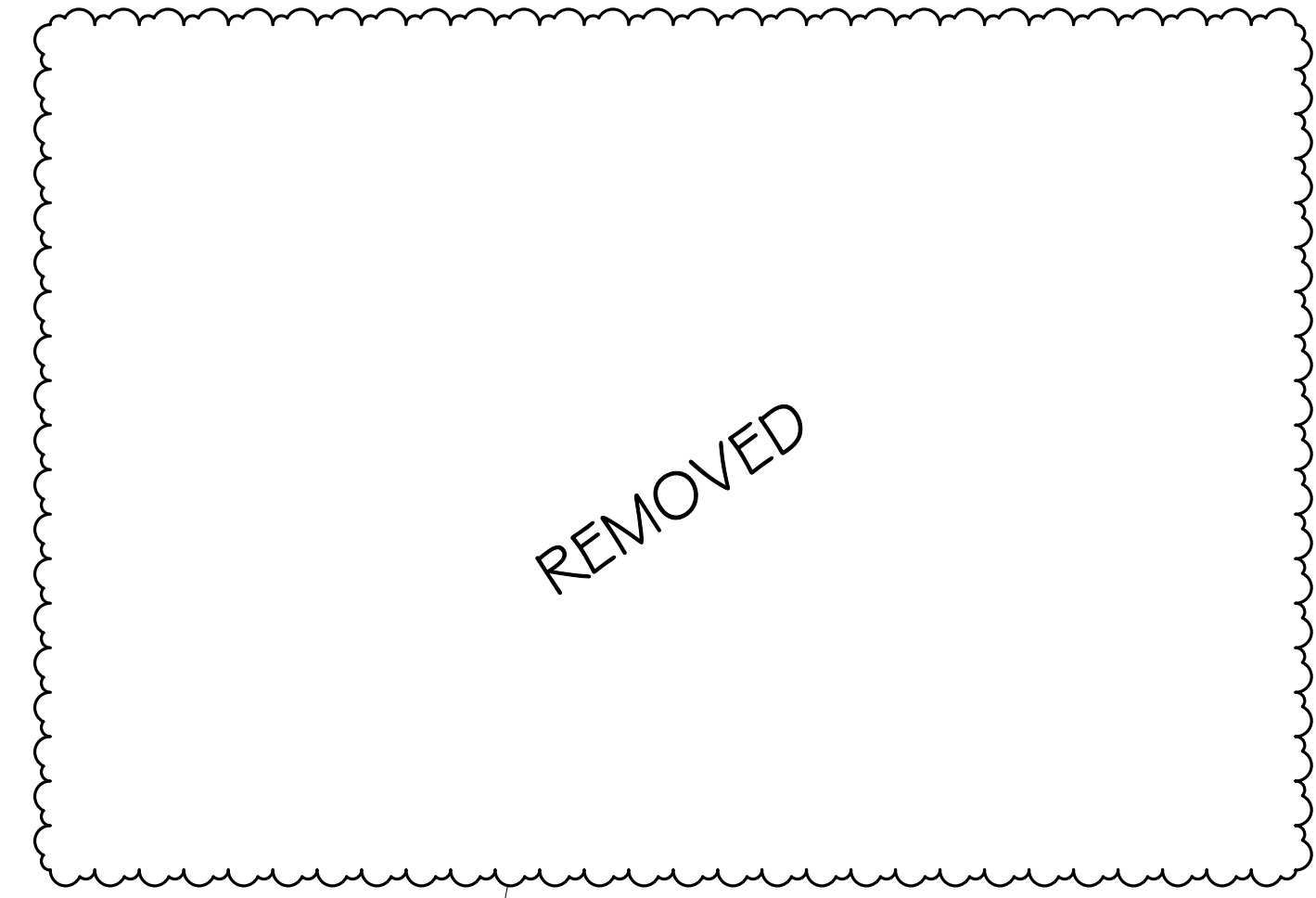
GA FILE NO. 5RS 7101	GENERIC	1 HOUR FIRE
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STEEL RUNNER (TRACK), STEEL STUDS, DRYWALL TRIM, FLEXIBLE SEALANT

STEEL TOP TRACK WITH MINIMUM 1" LIP ATTACHED TO THE CEILING OR DECK. STEEL STUDS CUT 1/2" SHORT AND POSITIONED INTO TOP TRACK LEAVING A 1/2" SPACE BETWEEN THE TOP OF THE STUD AND THE WEB OF THE TRACK. GYPSUM PANELS APPLIED TO THE WALL AS SPECIFIED IN THE LISTING FOR THE 1-HOUR FIRE RESISTANCE RATED SYSTEM LEAVING A 1/2" SPACE BETWEEN THE TOP EDGE OF THE GYPSUM BOARD AND THE CEILING OR DECK. THE FIRST ROW OF SCREWS IN EACH LAYER OF GYPSUM PANEL PRODUCTS IS LOCATED NOT LESS THAN 1/2" BELOW THE LIP OF THE DRYWALL TRACK AFFLIED TO THE CEILING. DRYWALL J-BEAD APPLIED TO TOP EDGE OF FACE LAYER OF GYPSUM PANEL PRODUCT. MINIMUM 1/2" OF FLEXIBLE SEALANT IS SPACE BETWEEN THE TOP EDGE OF THE GYPSUM BOARD AND THE CEILING OR DECK. (NLB)

THIS PERIMETER RELIEF SYSTEM IS INTENDED FOR USE IN ANY 1-HOUR FIRE RESISTANCE STEEL STUD SYSTEM USING A SINGLE ROW OF STUDS. THE WALL SYSTEM SHALL BE CONSTRUCTED OF MATERIALS AND IN A MANNER DESCRIBED IN THE INDIVIDUALLY TESTED FIRE ASSEMBLY.

FIRE TEST: FM-WP-163, G-18-69



CLIENT	USOSM U.S. Oral Surgery Management 500 E. JOHN CARPENTER FREEWAY SUITE 300 IRVING, TX 75062
ARCHITECT	ALEX ROUSH ARCHITECTS, INC. 2255 CUMBERLAND PKWY BLDG. 100 ATLANTA, GA 30339 (770)-333-7678
CONSULTANT	SHEPHERD, HARVEY & ASSOCIATES 4855 RYER GREEN PKWY STE 400 DULUTH, GA 30096-2569 (770)-455-4007
DATE	03/12/26
REVISION	CONSTRUCTION DOCUMENTATION
DESCRIPTION	ADDENDUM NO. 1
DRAWN BY	EMM
CHECKED BY	EMM
DATE	03/12/26
PROJECT NO.	2025.79
SHEET NO.	A-5

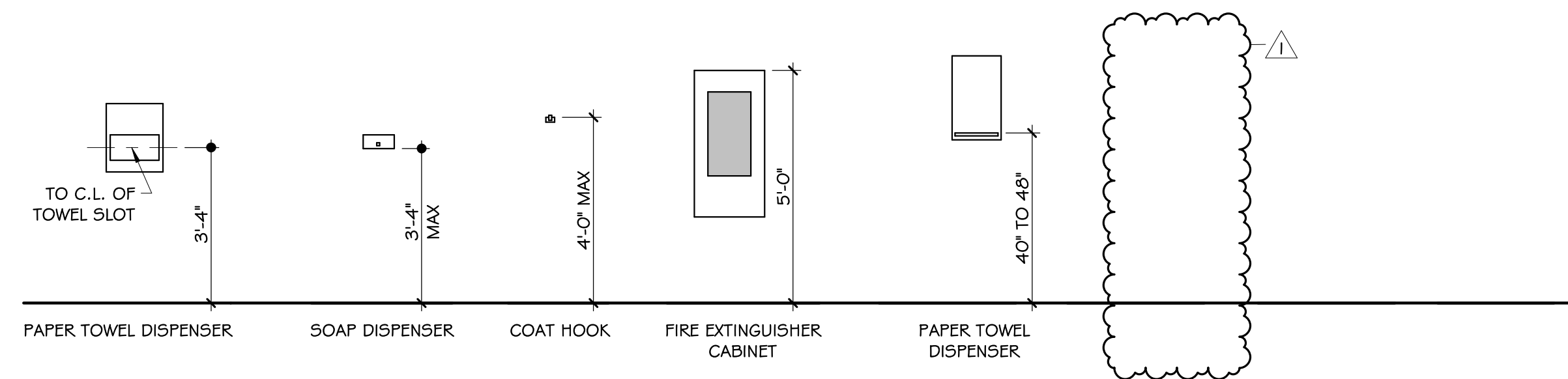
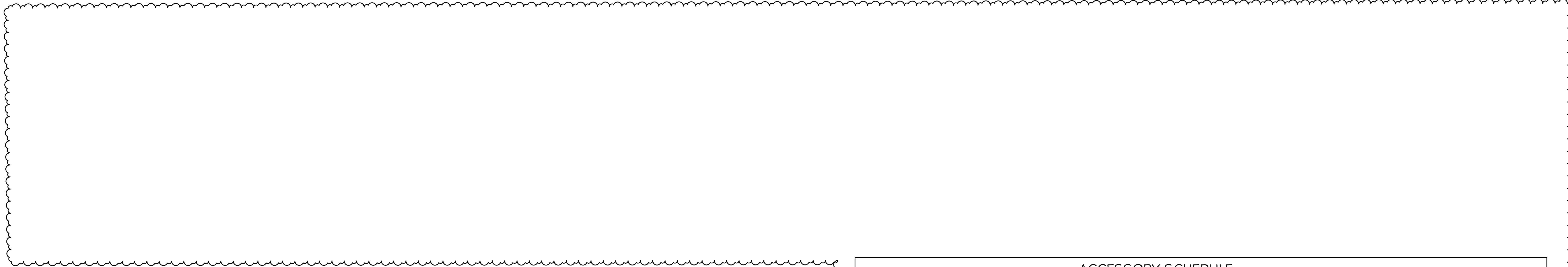
HOPKIN ORAL SURGERY EXPANSION

U505M
 1377 E 3900 S
 SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION

RATED ASSEMBLY DETAILS

DRAWN BY: EMM
 DATE: 03/12/26
 PROJECT NO.: 2025.79
 SHEET NO.: A-5

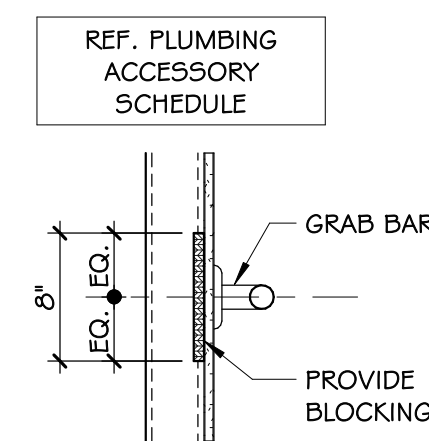


6 ELEVATION - MISC. MOUNTING HEIGHTS
A-6 3/8" = 1'-0"

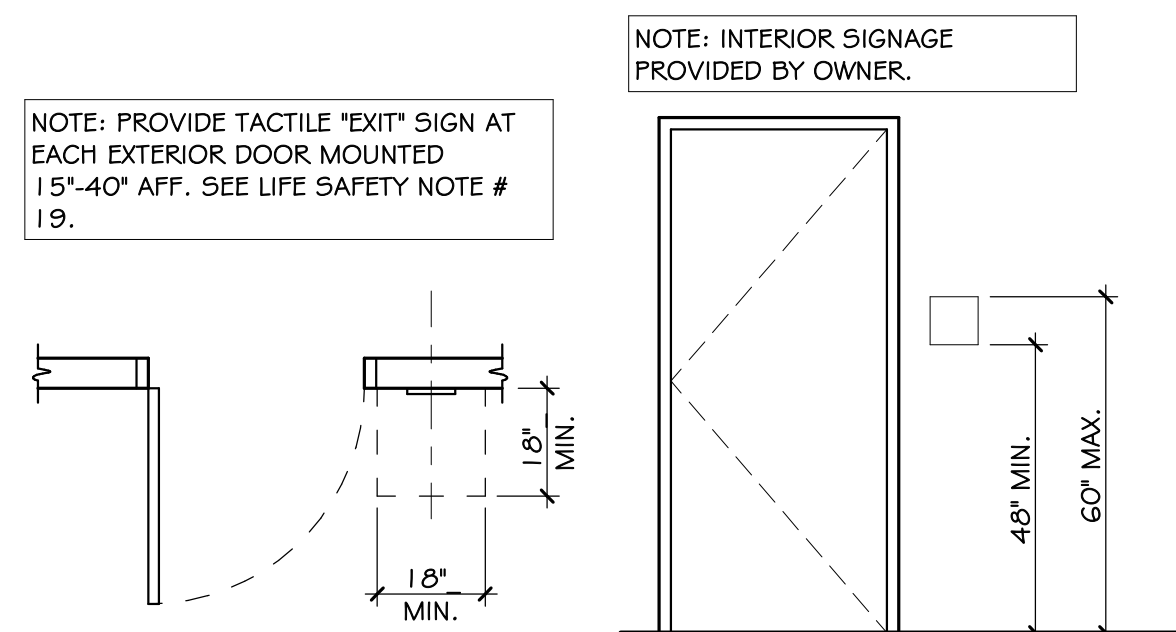
ACCESSORY SCHEDULE				
TAG #	NAME	MFR.	MODEL	DESCRIPTION
1	MIRROR	BOBRICK	B-165	18" WIDE X 36" HIGH MIRROR W/ BRUSHED STAINLESS STEEL FRAME
2	TOILET PAPER DISPENSER	BOBRICK	B-3092	MOUNT 2" FORWARD OF TOILET SEAT # 29" AFF TO TOP
3	PAPER TOWEL & TRASH	BOBRICK	B-3942	INSTALL IN TOILET ROOM ONLY
4	SOAP DISPENSER	BOBRICK	B-2012	
5	COAT HOOKS	ASI	1307-5	SATIN STAINLESS STEEL - UTILITY HOOK STRIP
6	SINGLE COAT HOOK	BOBRICK	B-9541	SATIN STAINLESS STEEL - SINGLE COAT HOOK WITH BUMPER
7	PAPER TOWEL DISPENSER	BOBRICK	B-2620	LOCATE IN STERILIZATION, EXAM, AND OPERATORIES
8	PAPER TOWEL DISPENSER	BOBRICK	B-2621	LOCATE IN BREAK ROOM
9				
10				
11				
12				
13				
14				

NOTE:
GRAB BARS SHALL SUPPORT MIN 250# APPLIED LOAD AND BE ANCHORED TO THE SURROUNDING STUD FRAMING WITH F.R. 2X WOOD BLOCKING OR APPROVED EQUAL.

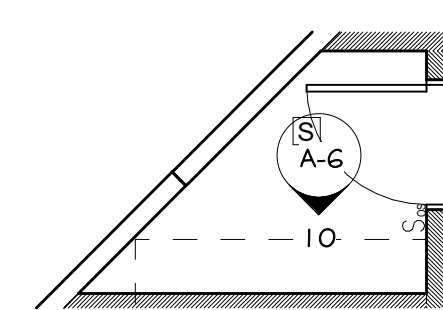
ALL ACCESSORIES SUCH AS SOAP DISPENSERS, PAPER TOWEL DISPENSERS, ETC. SHALL BE MOUNTED 48" AFF MAX. TO THE ACTION POINT.



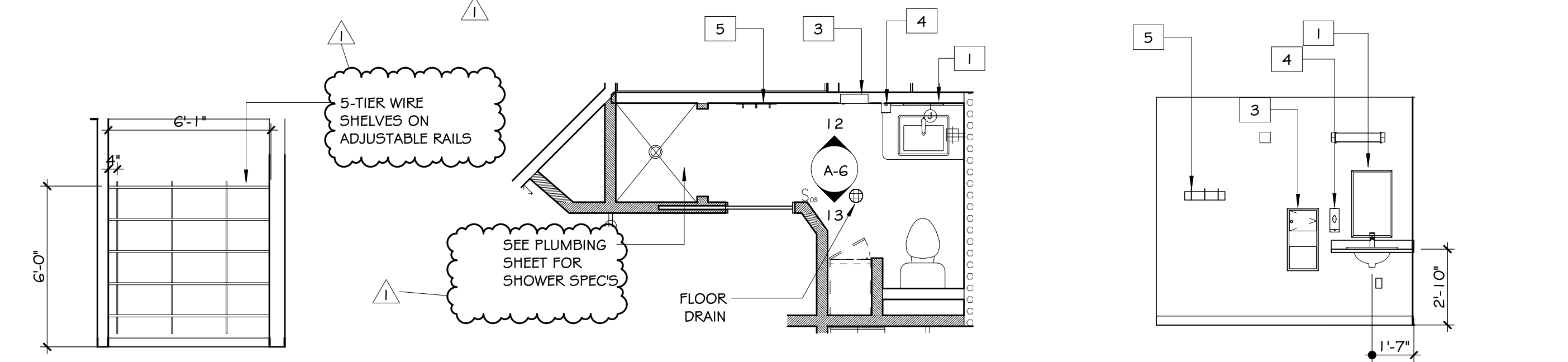
7 DETAIL - GRAB BAR BLOCKING
A-6 1" = 1'-0"



8 DETAIL - HANDICAP SIGNAGE (TYP.)
A-6 3/8" = 1'-0"



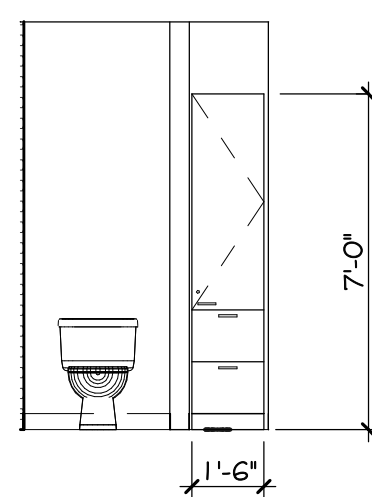
9 PLAN - CLOSET
A-6 1/4" = 1'-0"



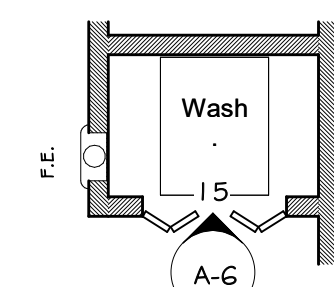
10 ELEVATION - CLOSET
A-6 1/4" = 1'-0"

11 PLAN - SHARED RENOVATED RESTROOM
A-6 1/4" = 1'-0"

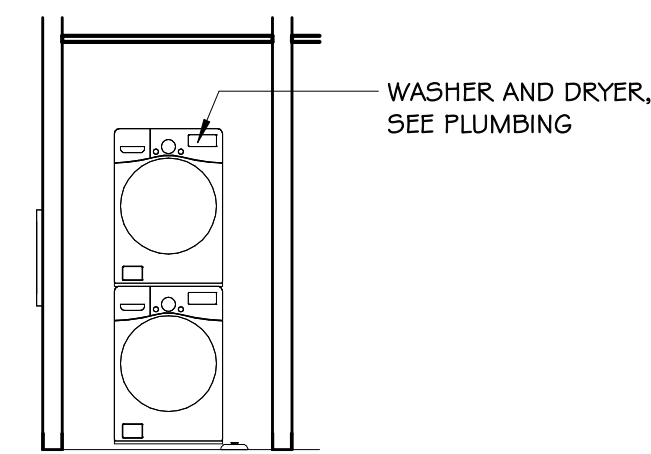
12 ELEVATION - SHARED RENOVATED RESTROOM V1
A-6 1/4" = 1'-0"



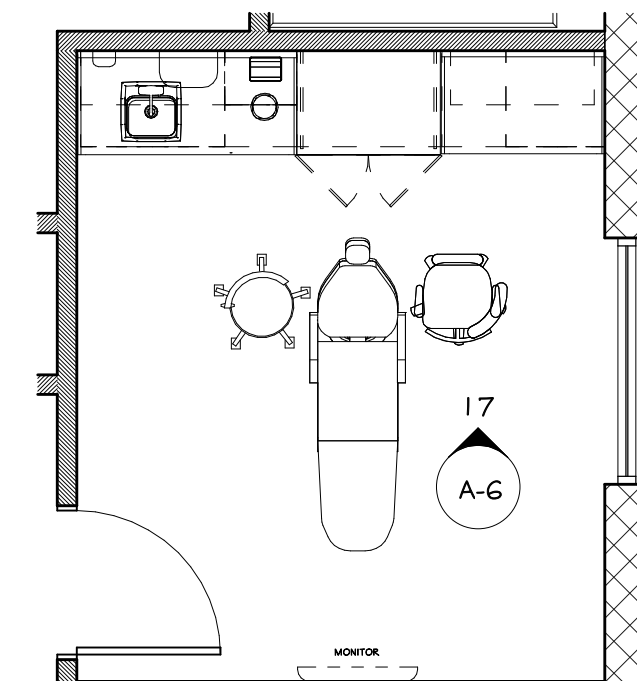
13 ELEVATION - SHARED RENOVATED RESTROOM V2
A-6 1/4" = 1'-0"



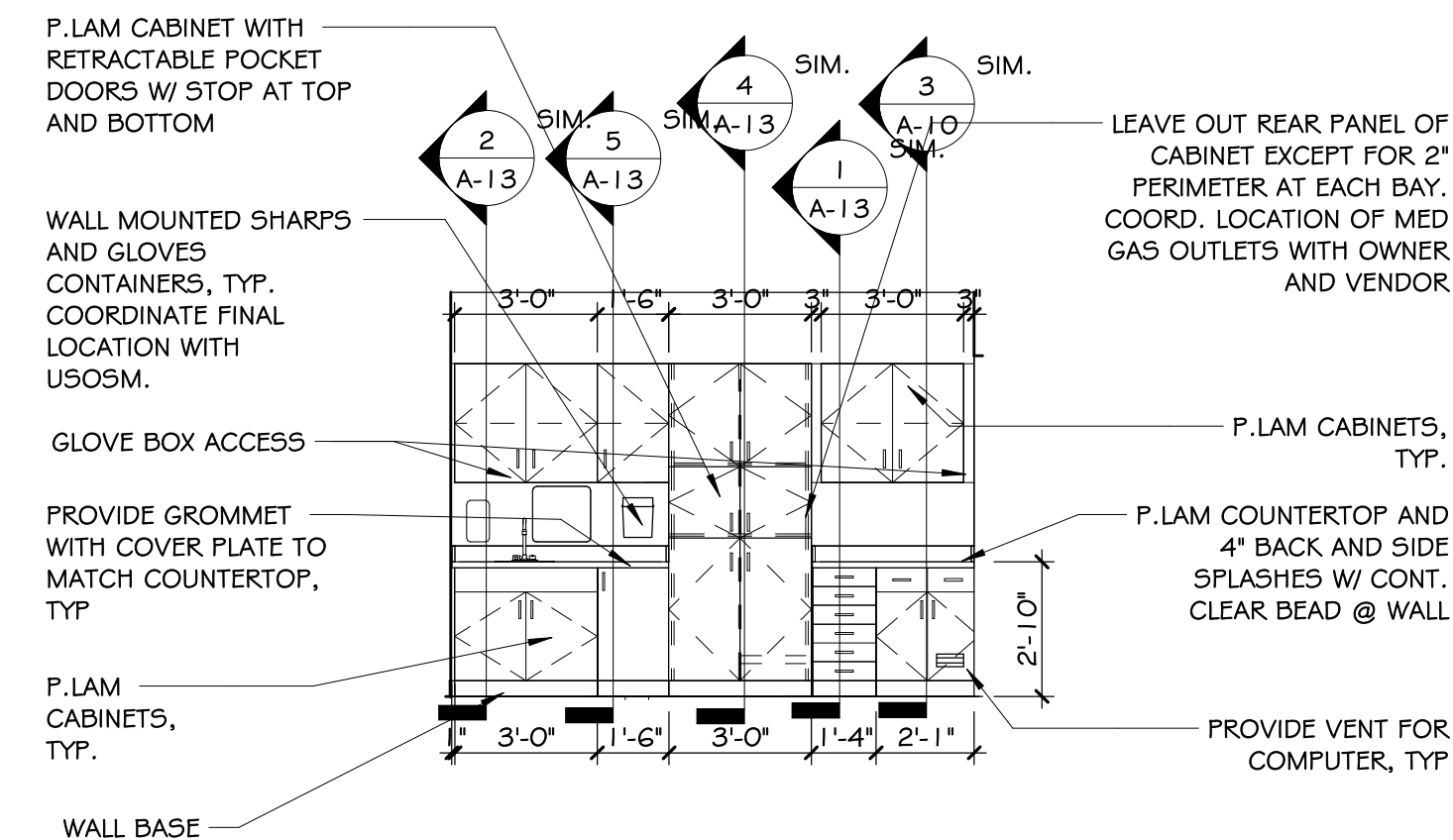
14 PLAN - WASHER/DRYER
A-6 1/4" = 1'-0"



15 ELEVATION - WASHER/DRYER
A-6 1/4" = 1'-0"



16 PLAN - OPERATORY RM TYP.
A-6 1/4" = 1'-0"



17 ELEVATION - OPERATORY RM TYP.
A-6 1/4" = 1'-0"

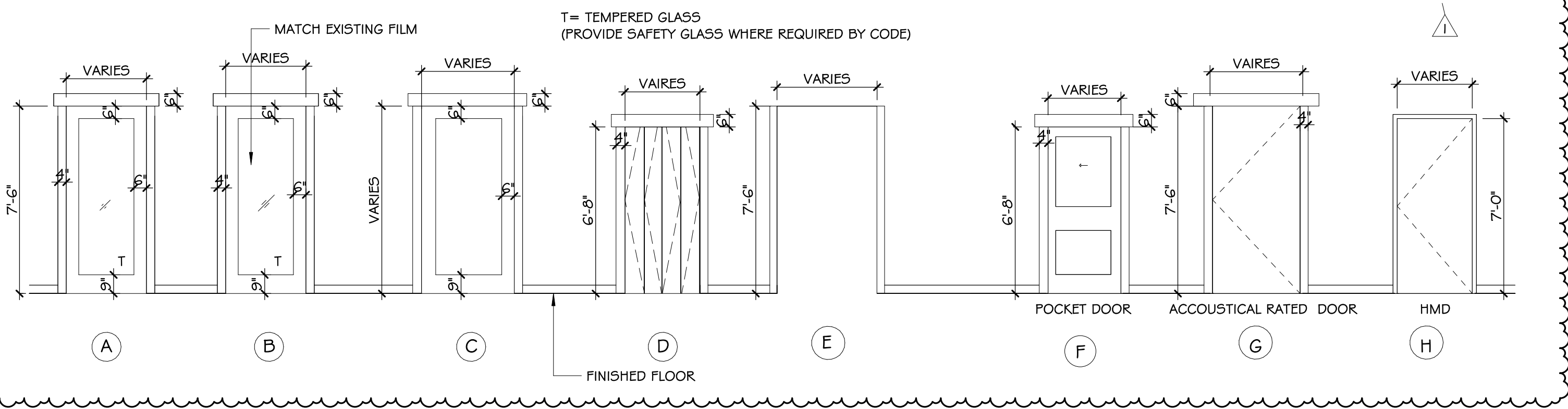
APPLIANCE SCHEDULE	
REFRIGERATOR:	FRIGIDAIRE FRSS2323 SIDE BY SIDE REFRIGERATOR, 22.3 CU. FT. 33" STANDARD DEPTH SIDE BY SIDE REFRIGERATOR. 69-7/8" H X 33-1/8" W X 35" D
WASHER / DRYER:	SAMSUNG BESPOKE 5.3 CU. FT. ULTRA CAPACITY SINGLE UNIT AI LAUNDRY HUB WASHER AND 7.6 CU. FT. ELECTRIC DRYER IN SATIN GREEN. 34.5" D X 74.4" H X 27" W
MICROWAVE OVEN:	GENERAL ELECTRIC MODEL #: GCST11N1W55 1.1 CU. FT. COUNTERTOP MICROWAVE OVEN 12" H X 20-5/16" W X 15-5/8" D
NOTE: ALL LISTED APPLIANCES TO BE INCLUDED IN CONTRACT.	

DATE	REVISION	BY	CHK
03/12/26	EMM	EMM	EMM
04/09/26	EMM	EMM	EMM

DOOR AND FRAME SCHEDULE

MARK	ROOM	WIDTH	HEIGHT	THICKNESS	DOOR MATERIAL	TYPE	FIRE RATING	FRAME MATL	THRESHOLD	CLOSER	HARDWARE	REMARKS
01	WAITING RM	3'-0"	7'-6"	1 3/4"	SC WD	A		CUSTOM		YES	DEADBOLT LOCKSET	
02	CORR.-1	3'-0"	7'-6"	1 3/4"	SC WD	A		CUSTOM		YES	PBK-1	ELECTRIC STRIKE W/ WIRELESS ACTUATOR (LOCATED IN RECEPTION OFFICE)
03	CLOSET	2'-6"	7'-6"	1 3/4"		C		CUSTOM			KEYED LOCKSET	
04	RECEPTION	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			KEYED LOCKSET	
05	OFFICE	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			ENTRY/OFFICE LOCKSET	
06	BREAK ROOM	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			PASSAGE LATCH SET	
07	LAB	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			KEYED LOCKSET	
08	CONSULT	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			KEYED LOCKSET	
09	VACUUM PUMP	3'-0"	7'-6"	1 3/4"	SC WD	G		CUSTOM		YES	ENTRY/OFFICE LOCKSET	MIN. STC 50 FLOOR DOOR AND FRAME, PEMKO S&B ADHESIVE-BACKED SILICONE SEAL PERIMETER GASKETING, DOOR BOTTOM SHOE
10	EXIST. WASHER/DRYER	3'-0"	6'-8"	1 3/8"		D		CUSTOM			BIFOLD HARDWARE	
11	OPERATORY 7	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			PASSAGE LATCH SET	
12	OPERATORY 6	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			PASSAGE LATCH SET	
13	TEMPORARY STERIL.	3'-0"	7'-6"	1 3/4"	SC WD	E						CASED OPENING
14	OPERATORY 5	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			PASSAGE LATCH SET	
15	MED WASTE	2'-6"	7'-6"	1 3/4"	SC WD	C		CUSTOM			ENTRY/OFFICE LOCKSET	
16	OPERATORY 8	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			PASSAGE LATCH SET	
17	OFFICE-1	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			ENTRY/OFFICE LOCKSET	
18	OFFICE-2	3'-0"	7'-6"	1 3/4"	SC WD	B		CUSTOM			ENTRY/OFFICE LOCKSET	
19	GAS	3'-0"	7'-0"	1 3/4"	HMD	H	1 HR	1 HR HMF		YES	KEYED LOCKSET	DOOR AND FRAME PAINT TBD
20	CLOSET	3'-0"	6'-8"	1 3/8"		D		CUSTOM			BIFOLD HARDWARE	
21	OFFICE-2	2'-6"	7'-6"	1 3/4"	SC WD	C		CUSTOM			PASSAGE LATCH SET	
22	OFFICE-1	2'-6"	7'-6"	1 3/4"	SC WD	C		CUSTOM			PASSAGE LATCH SET	
23	SHARED RENOV. RR	2'-6"	6'-8"	1 3/8"		F		CUSTOM			POCKET DOOR HARDWARE	
24	CORR.-3	3'-0"	7'-6"	1 3/4"	SC WD	A		CUSTOM		YES	KEYED LOCKSET	
25	CORR.-2	3'-0"	7'-6"	1 3/4"	SC WD	A		CUSTOM		YES	PBK-1	
26		3'-0"	7'-0"	1 3/4"								

NOTE:
 • DOOR HARDWARE TO MATCH EXISTING HARDWARE FINISHES
 • DOOR TRIM TO MATCH EXISTING

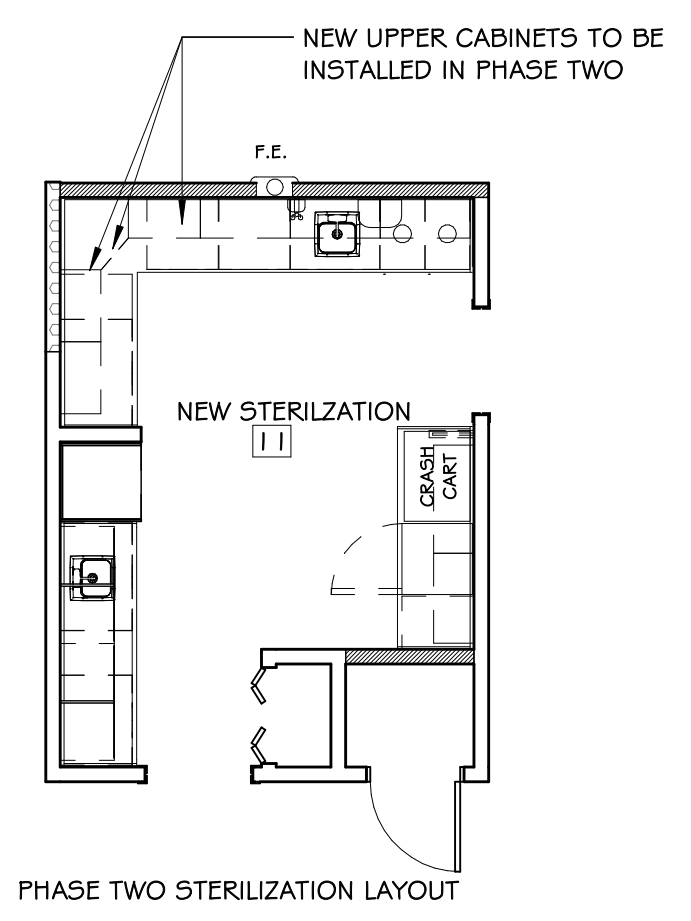
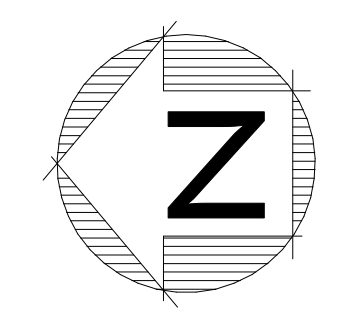


2 ELEVATION - DOOR TYPES
 A-7 1/4" = 1'-0"

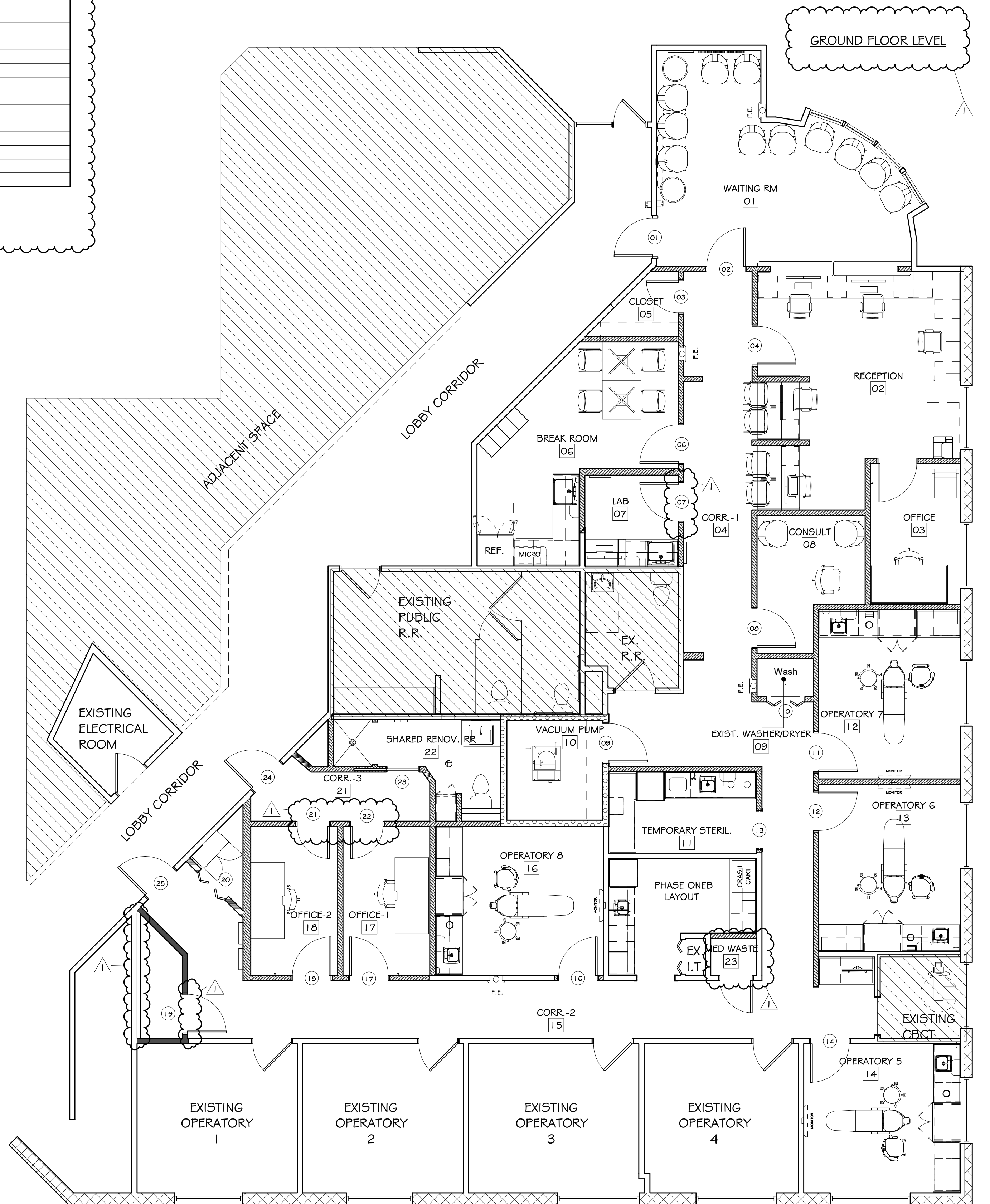
DOOR FINISH HARDWARE SCHEDULE

- HINGES: 5BBIHW, 4.5 X 4.5, NRP / U532D, EACH DOOR
- LOCKSETS:
 - KEYED LOCKSET: ND53HD RHO (SCHLAGE ND-SERIES), U526D. ALL INTERIOR KEYED LOCKSETS TO HAVE ENTRANCE / OFFICE FUNCTION. CONFIRM KEYING WITH PROJECT MANAGER
 - U.N.O.
 - PASSAGE LATCH SET: ND105 RHO (SCHLAGE ND-SERIES), U526D
 - PRIVACY SET: ND405 RHO (SCHLAGE ND-SERIES), U526D
 - PBK-1: PUSH BUTTON KEYPAD DORMAKABA SIMPLEX 5000 SERIES ON INGRESS SIDE WITH FREE EGRESS LEVER HANDLE ON THE OPPOSITE SIDE OR APPROVED EQUAL, G26
- CLOSERS:
 - SURFACE CLOSER: LCN 4040XP SERIES OR APPROVED EQUAL (REFER TO DOOR SCHEDULE FOR ARM FUNCTION)
 - AUTOMATIC DOOR OPENER: STANLEY MAGIC FORCE SWING DOOR OPERATOR, SURFACE MOUNTED (NO EXCEPTIONS)
- WALL STOPS: W540G/40ZCVX OR APPROVED EQUAL, U532D
- THRESHOLD:
 - ADA: NGP - SADDLE 425 x (LENGTH AS REQUIRED), ALUMINUM, MILL FINISH
- DOOR SILENCER: IVES - SR64, RUBBER / 4885 (GREY) AT RATED DOORS
- OVERHEAD DOOR STOP: SCHLAGE, GYNN-JOHNSON OR EQUAL, U526D
- PANIC HARDWARE: LD-99-EO SERIES, U526D OR APPROVED EQUAL (COORDINATE TRIM REQUIREMENTS W/ DOOR HARDWARE)
- DOOR BOTTOM SHOE: PEMKO 209_V OR SIMILAR

NOTES:
 • CONFIRM HARDWARE SCHEDULE WITH OWNER. ALL OFFICES AND ENTRY SHALL BE KEYED ALIKE EXCEPT THE PRACTICE MANAGERS OFFICE WHICH IS TO BE A MASTER KEY.
 • PAINT DOOR FRAMES PER FINISH COLOR SCHEDULE. APPLY POLYURETHANE BEAD AROUND ALL EDGES OF ALL DOOR FRAMES.
 • PROVIDE TACTILE "EXIT" SIGN AT EACH EXTERIOR DOOR. MOUNT 15'-40" AFF. SEE LIFE SAFETY NOTE #18.



PHASE TWO STERILIZATION LAYOUT



1 DOOR # WINDOW TAG PLAN
 A-7 3/16" = 1'-0"

CLIENT
USOSM
 U.S. Oral Surgery Management
 500 E. JOHN CARPENTER FREEWAY
 SUITE 300
 IRVING, TX 75062

ARCHITECT
ALEX ROUSH ARCHITECTS, INC.
 2255 CUMBERLAND PKWY
 BLDG. 100
 ATLANTA, GA 30339
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CONSULTANT
SHEPHERD, HARVEY & ASSOCIATES
 4855 RIVER GREEN PKWY
 STE 400
 DULUTH, GA 30096-2569
 (770)-459-4007

DATE	REVISION	BY	CHK
03/12/26	EMM	EMM	EMM
04/09/26	EMM	EMM	EMM

HOPKIN ORAL SURGERY EXPANSION
 USOSM
 1377 E 3900 S
 SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION

DOOR & WINDOW SCHEDULES & ELEVATIONS

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	CEILING	FIRE RATING	NOTES
01	WAITING RM	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
02	RECEPTION	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
03	OFFICE	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
04	CORR.-1	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
05	CLOSET	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWINGS BY OTHER
06	BREAK ROOM	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
07	LAB	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
08	CONSULT	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
09	EXIST. WASHER/DRYER	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWINGS BY OTHER
10	VACUUM PUMP	SC-1	WB-1	GYP. BD.		ACCOUSTICAL ASSEMBLY
11	TEMPORARY STERIL.	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
12	OPERATORY 7	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
13	OPERATORY 6	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
14	OPERATORY 5	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
15	CORR.-2	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
16	OPERATORY 8	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
17	OFFICE-1	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
18	OFFICE-2	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
19	GAS	SC-1	WB-1	GYP. BD.	1 HR.	1 HR RATED CAP AT UNDERSIDE OF JOISTS
20	CLOSET	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWINGS BY OTHER
21	CORR.-3	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
22	SHARED RENOV. RR	LVT-1	WB-1	ACT-1		SEE INTERIOR DESIGN DRAWING BY OTHERS
23	MED WASTE					

FINISH COLOR SCHEDULE -:

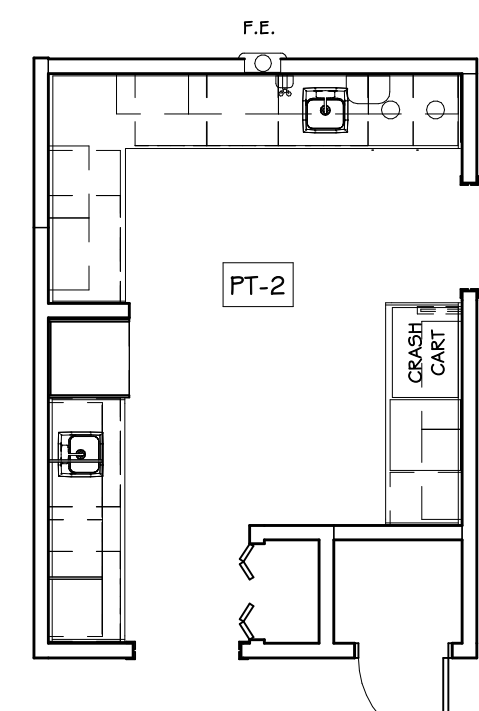
- CEILING:**
 - ACT-1: ARMSTRONG - 704 CORTEGA - WHITE; ANGLED TEGULAR EDGE; 24"x24"x5/8"; GRID - PRELUDE XL 15/16" EXPOSED TEE - WHITE
 - GYP: GYPSUM BOARD CEILING AND UNDERSIDE OF SOFFITS; PAINT PT-2
- FLOORING:**
 - LVT-1: MATCH EXISTING LVT FLOORING
 - SC-1: SHERWIN WILLIAMS - H+C CONCRETE SATIN SOLID COLOR WATER-BASED; HC132 GULL GREY (ALL FLOORING: FLAME SPREAD CLASS 'A')
- BASE:**
 - WB-1: MATCH EXISTING BASE (SEE INTERIOR SHEET. USE 4" WALL BASE AT MILLWORK TOE KICKS.)
- PAINT:**
 - PT-1: BEHR - ULTRA-REVERE PEWTER - (FIELD PAINT) (MATCH EXISTING COLOR)
 - PT-2: MATCH EXISTING COLOR
 - PT-3: SHERWIN WILLIAMS - SW 7005 PURE WHITE - (CEILING PAINT)
 - PT-4: HMD AND HMF TBD
- WALL PROTECTION:**
 - WP-1: INPRO - PALLADIUM RIGID SHEET; STANDARD COLLECTION - 0101 DESIGNER WHITE, SEE WALL FINISH LEGEND FOR HEIGHT
- SOLID SURFACE:**
 - SS-1: WILSONART-9195ML- NORTHERN MELANGE-HORIZONTAL SURFACE
- PLASTIC LAMINATE:**
 - PL-1: WILSONART-7911-MANITOBA MAPLE- VERTICAL SURFACES
 - PL-2: WILSONART- COLOR SELECTION TBD BY USOSM/OWNER- HORIZONTAL SURFACES
- DOORS:**
 - D-1: MATCH EXISTING DOORS
- DOOR TRIM:**
 - T-1: MATCH EXISTING WOODEN DOOR TRIM

NOTE:
ALL FINISHES IN EXITS AND EXIT ACCESS AREAS SHALL BE FLAME SPREAD + SMOKE DEVELOPMENT CLASS 'A' OR '1' ALL OTHER SPACES MAY BE 'A' OR '1', 'B' OR '2', OR 'C'

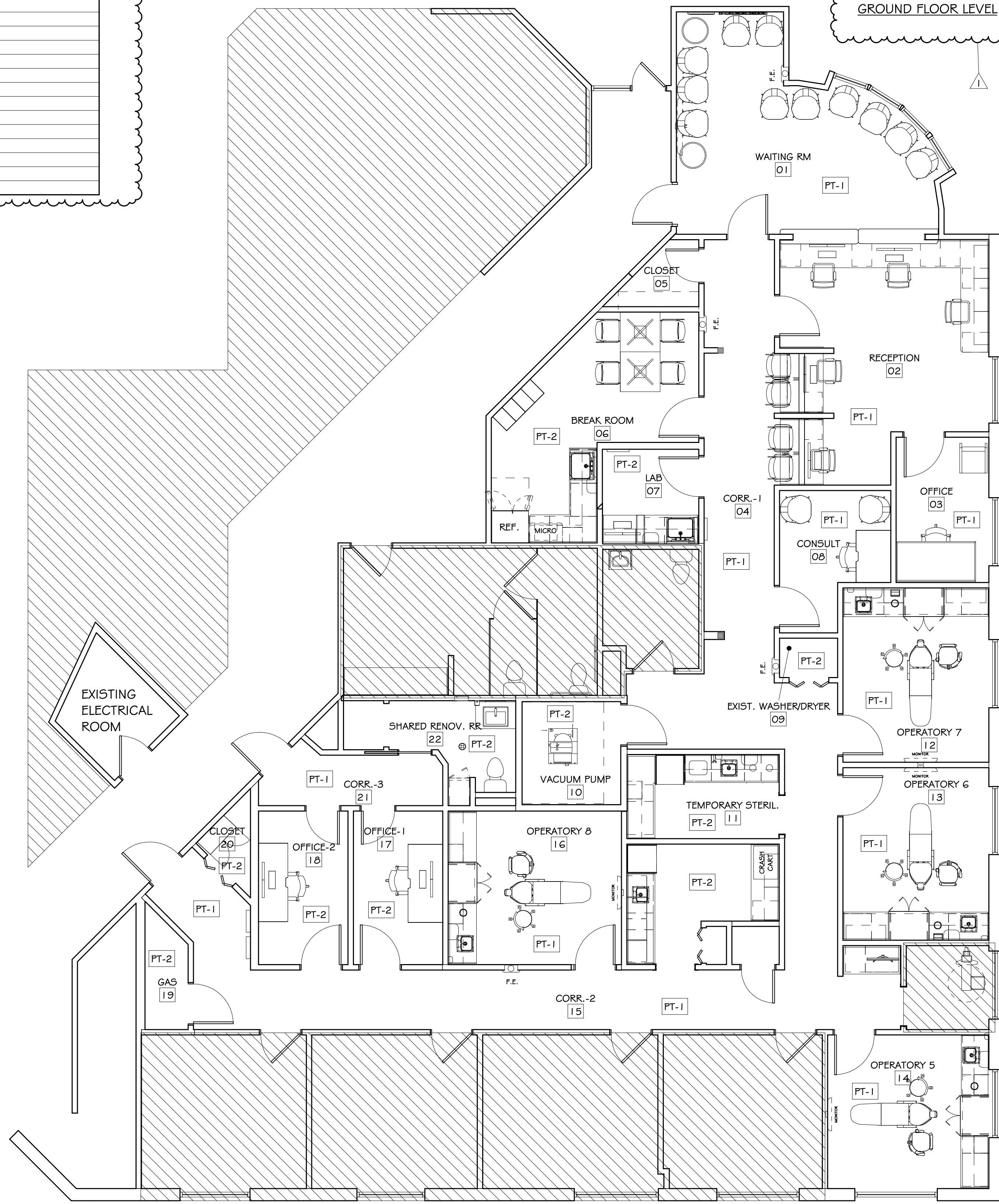
GENERAL ROOM FINISH NOTES:

- PREPARE AND SUBMIT G.C. APPROVED SHOP DRAWINGS FOR ALL ITEMS OF MILLWORK TO THE ARCHITECT FOR REVIEW.
- SOUND INSULATION SHALL BE PLACED IN INTERIOR PARTITIONS TO 6" ABOVE FINISHED CEILING HEIGHT IN OPERATORY ROOMS, CONSULT/EXAM ROOMS, EQUIPMENT ROOM, TOILET ROOMS AND JANITOR CLOSET.
- MILLWORK BASIC MATERIALS AS FOLLOWS:
 - THE USE OF HARDWOOD PLYWOOD IN THE FABRICATION OF THE PROJECT MILLWORK IS REQUIRED AT THESE 'WET' AREAS SUCH AS THE LOUNGE.
 - THE USE OF HARDBOARD, MDF, AND SIMILAR WOOD PRODUCTS FOR MILLWORK IN WET AREAS IS PROHIBITED.
 - THE GENERAL CONTRACTOR HAS THE OPTION TO SUBSTITUTE HARDWOOD PLYWOOD FOR MDF, AND SIMILAR WOOD PRODUCTS IN THE FABRICATION OF THE PROJECT MILLWORK AT ALL OTHER AREAS SUCH AS OFFICES OR RECEPTION.
- PLASTIC LAMINATE - "P.LAM" OR "PL"
 - LAMINATES W/ COLORS SELECTED BY ARCHITECT, SEE INTERIOR FINISH COLOR SCHEDULE.
- SOLID SURFACE - "SS"
 - COLORS SELECTED BY ARCHITECT, SEE INTERIOR FINISH COLOR SCHEDULE.
- USE CEILING WHITE PAINT ON UNDERSIDE OF HEADERS AND SOFFITS UNLESS NOTED OTHERWISE ON THE WALL FINISH PLAN.
- ALL MILLWORK HARDWARE TO BE STAINLESS STEEL WIRE PULLS.
- ALL FINISHES IN EXITS AND EXIT ACCESS AREAS SHALL BE CLASS 'A' OR 'B' FOR FLAME SPREAD AND SMOKE DEVELOPMENT. ALL OTHER AREAS SHALL BE CLASS 'A', 'B', OR 'C'.
- A CLEAR INTUMESCENT PENETRATING SEALER/VARNISH SHALL BE APPLIED OVER ANY NON-CLASSIFIED EXPOSED COMBUSTIBLE PRODUCTS TO ACHIEVE THE REQUIRED FLAME SPREAD AND SMOKE DEVELOPMENT CLASSIFICATION. FLAME STOP II, FLAME CONTROL #141, OR APPROVED EQUAL.
- FIRE RESISTANT CDX PLYWOOD TO BE USED ON FIRE RATED WALLS AND I.T. CLOSET.

SUBMIT GC APPROVED SAMPLES OF ALL COMPONENTS AND COLORS TO THE ARCHITECT FOR REVIEW.



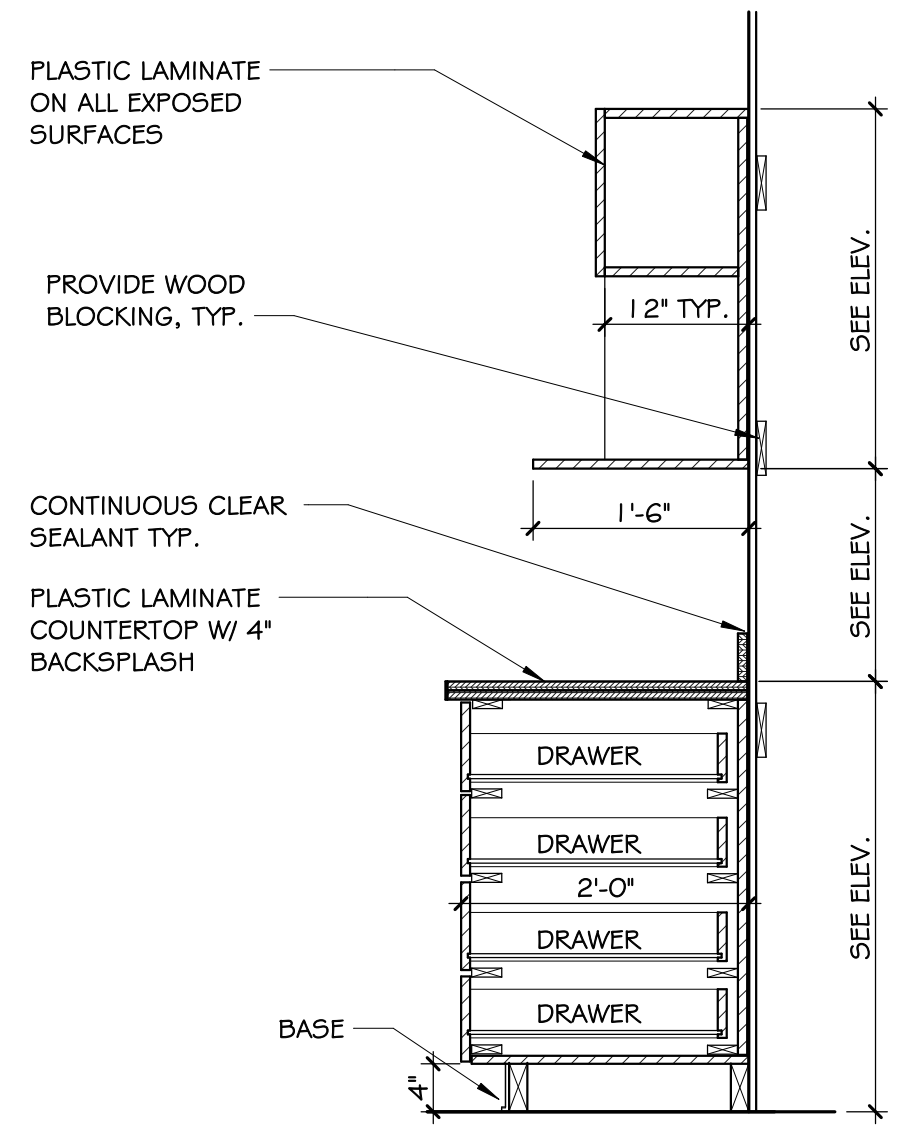
PHASE TWO STERILIZATION LAYOUT



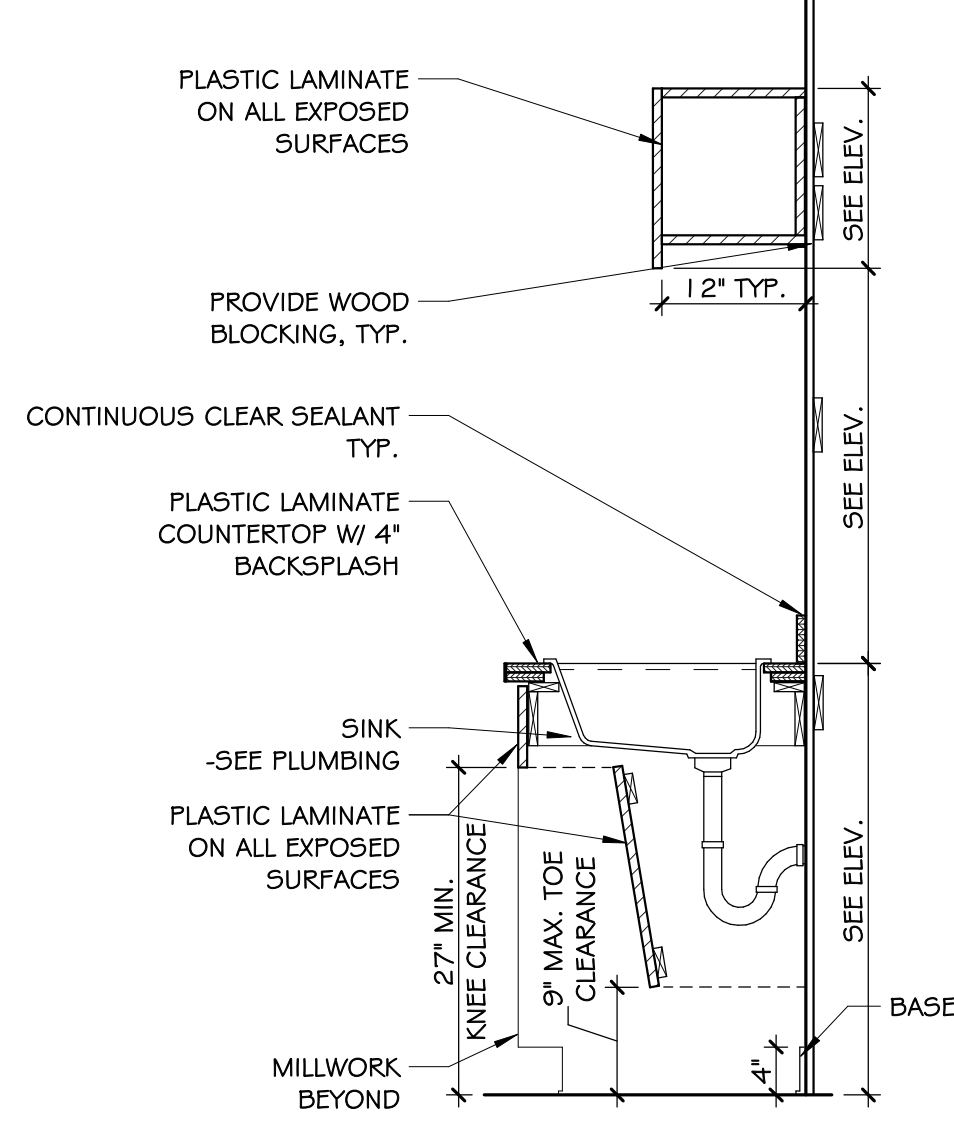
1 WALL FINISH FLOOR PLAN
A-9 3/16" = 1'-0"

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03/12/26	EMM	EMM	EMM
04/09/26	EMM	EMM	EMM

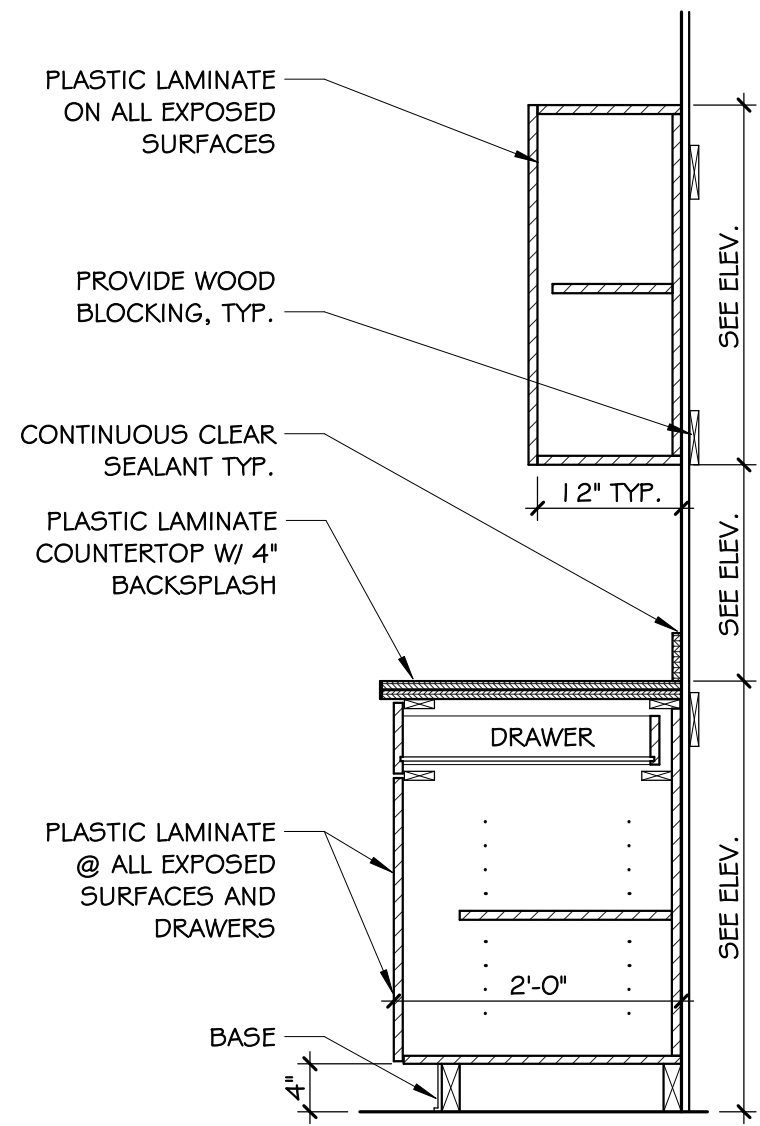
NOT FOR CONSTRUCTION



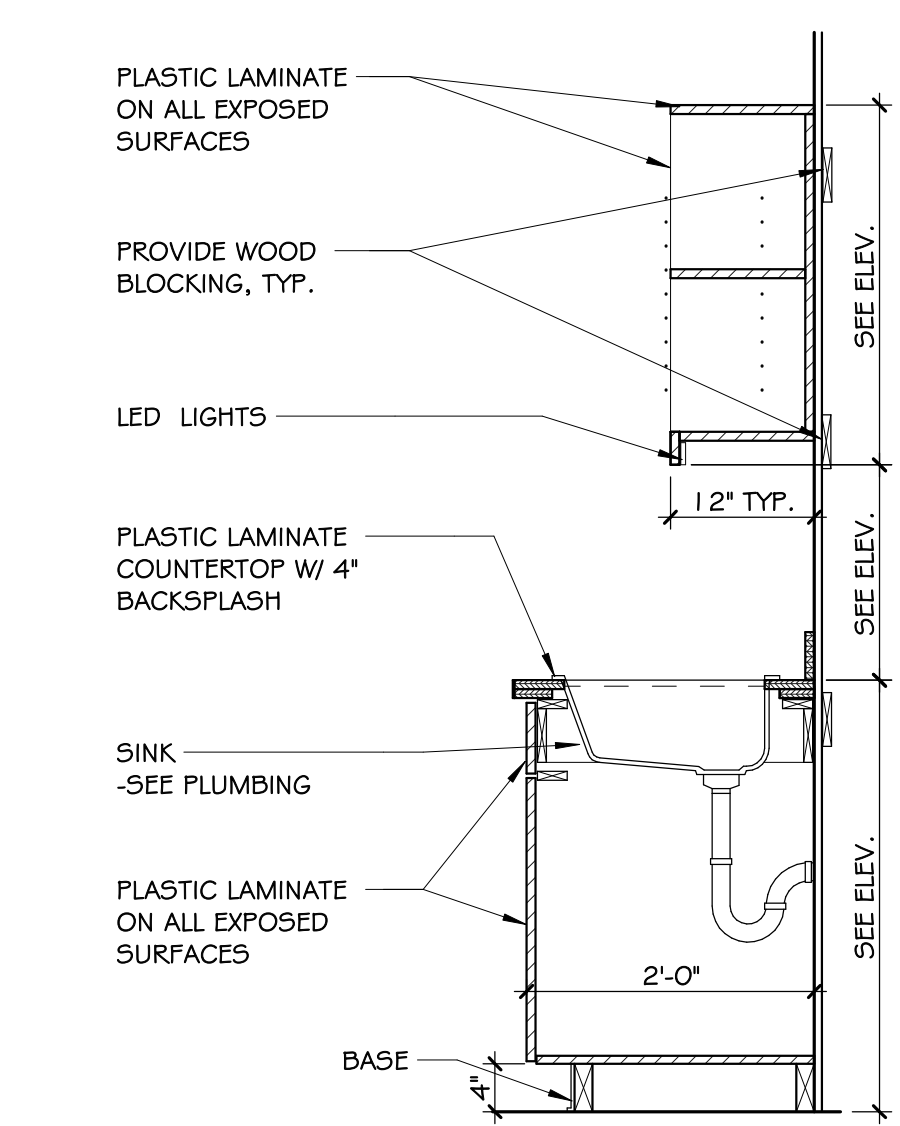
1
A-10
CABINET SECTION - P.LAM. DRAWERS W/ APPLIANCE SHELF
3/4" = 1'-0"



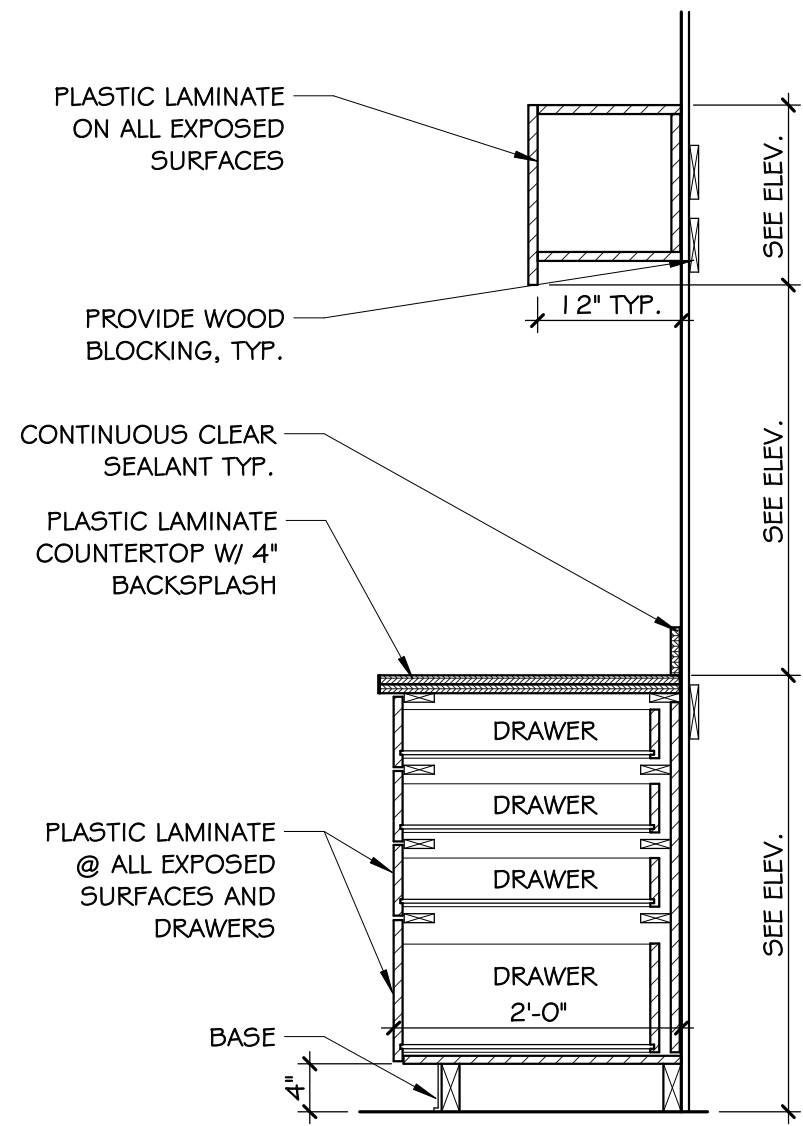
2
A-10
CABINET SECTION - P.LAM. ADA SINK W/ SLOPED PANEL
3/4" = 1'-0"



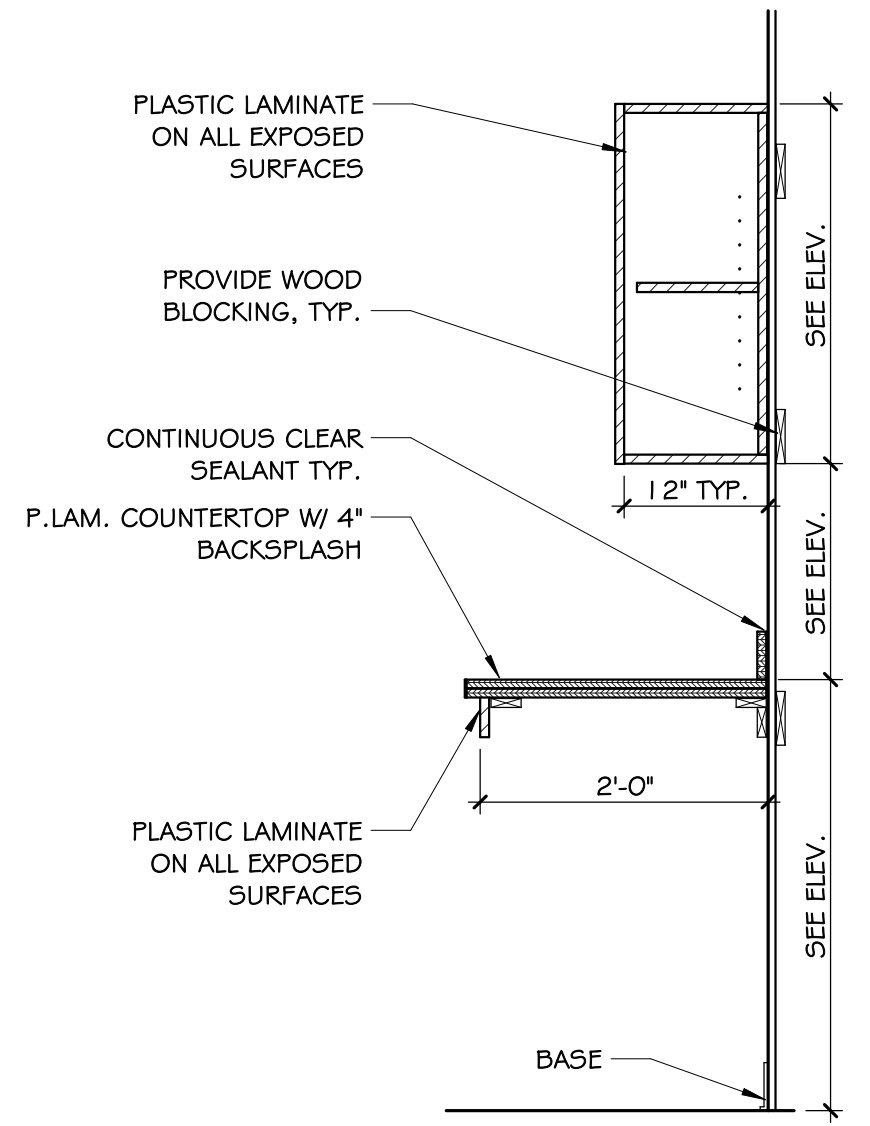
3
A-10
CABINET SECTION - P.LAM DOORS/ DRAWERS
3/4" = 1'-0"



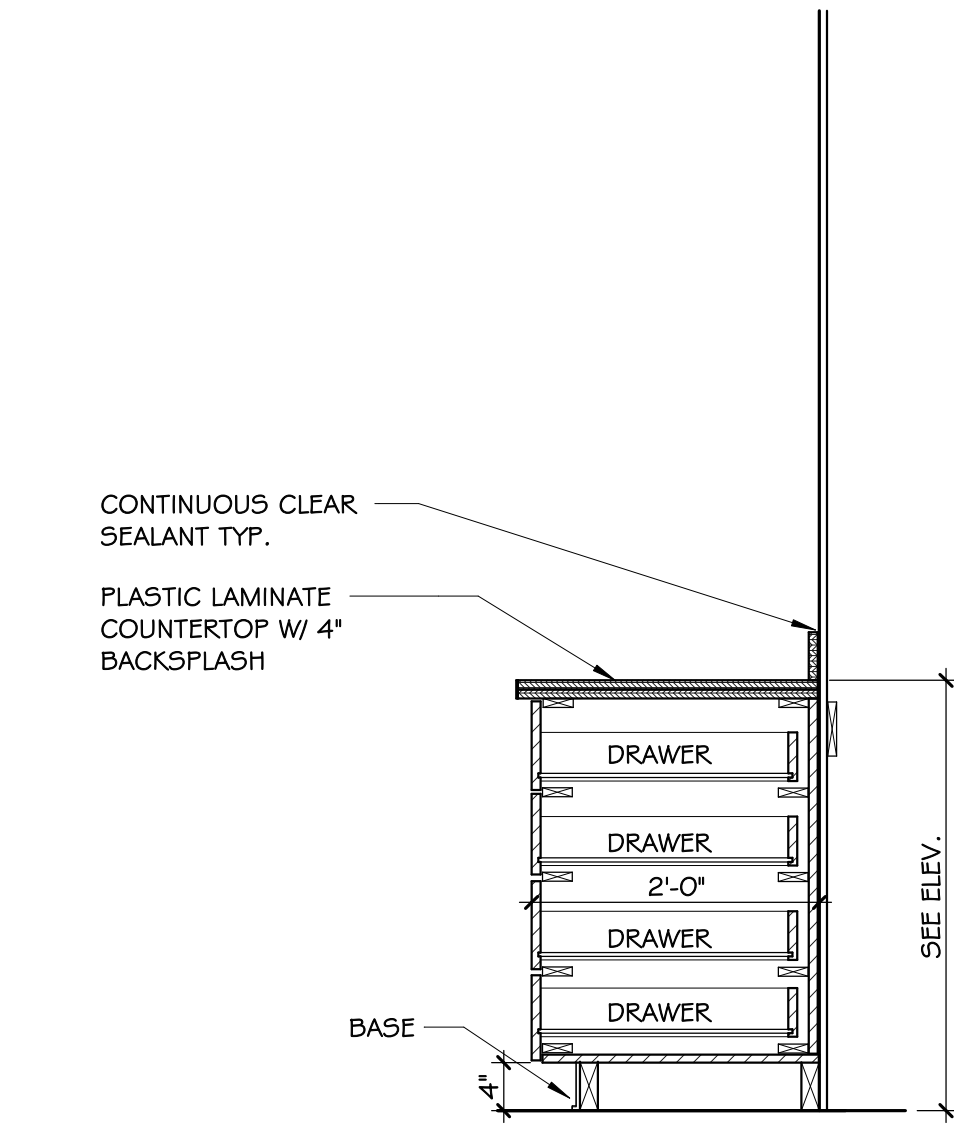
4
A-10
CABINET SECTION - P.LAM. - CLEAN SINK OPEN SHELF
3/4" = 1'-0"



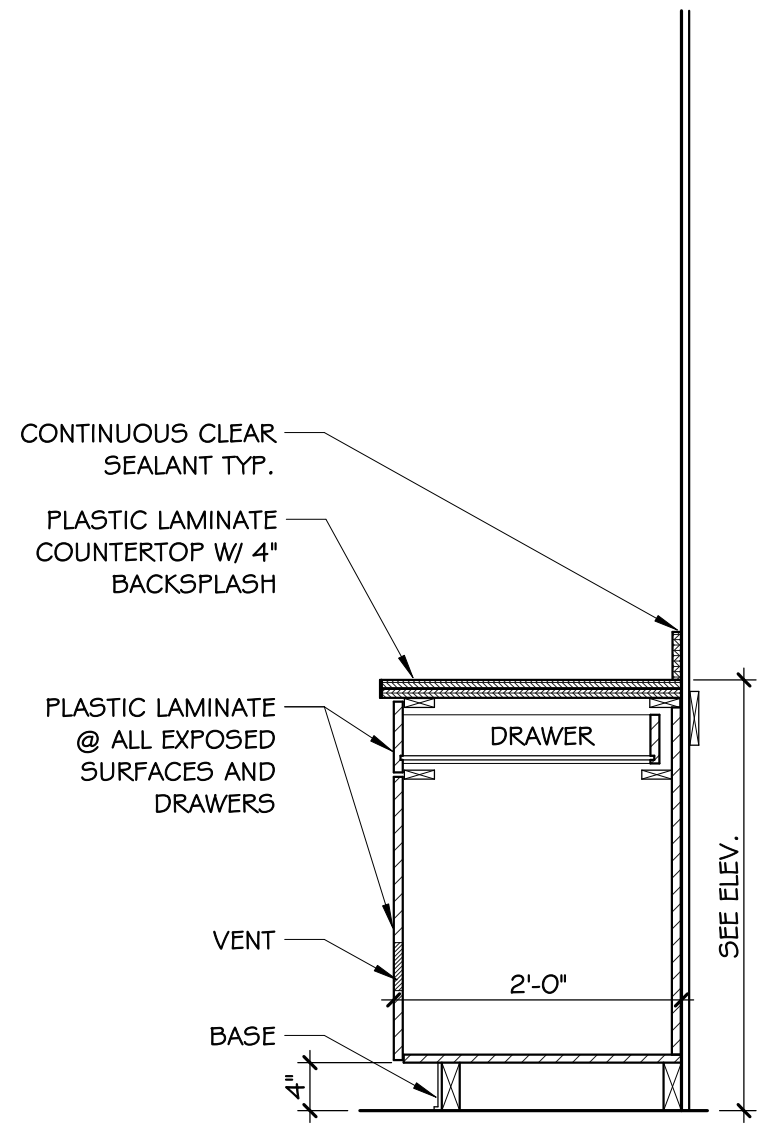
5
A-10
CABINET SECTION - P.LAM 3 DRAWERS | FILE (LOWER)
3/4" = 1'-0"



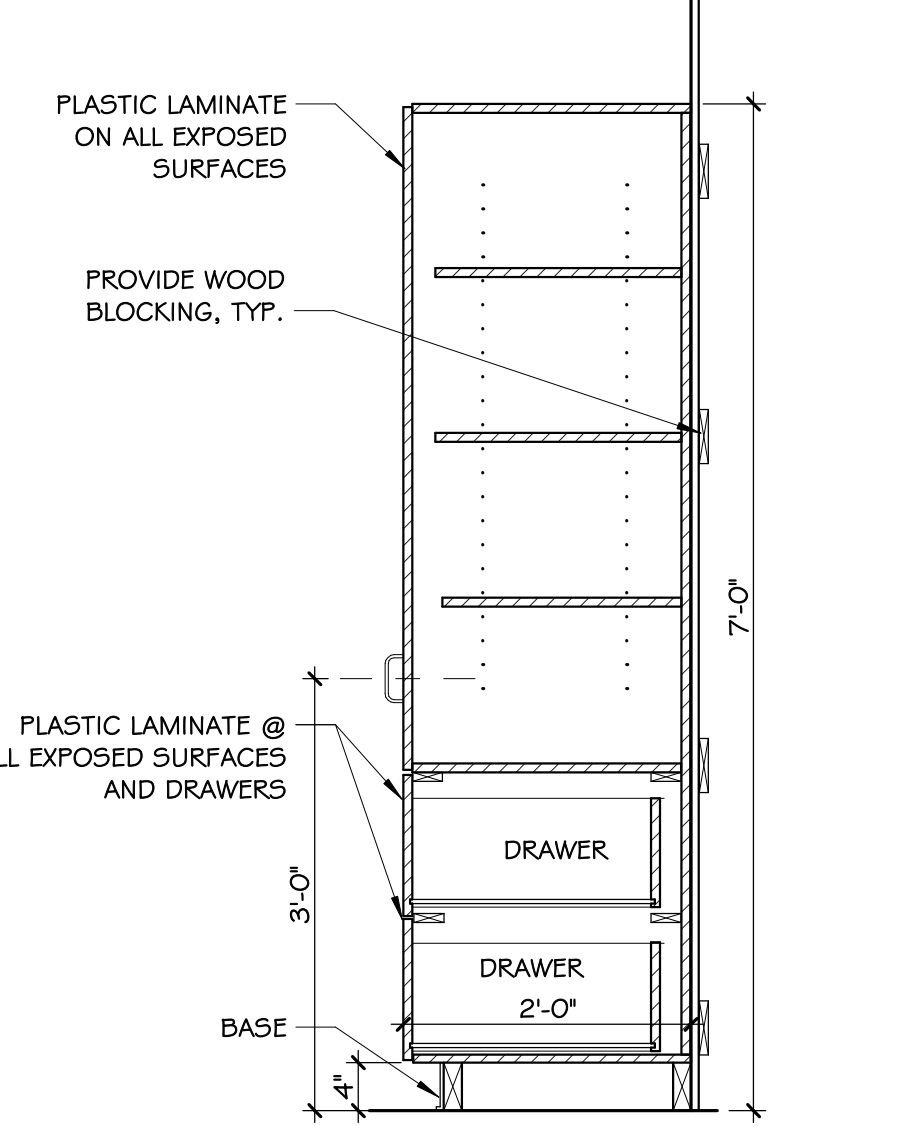
6
A-10
CABINET SECTION - P.LAM KNEE SPACE
3/4" = 1'-0"



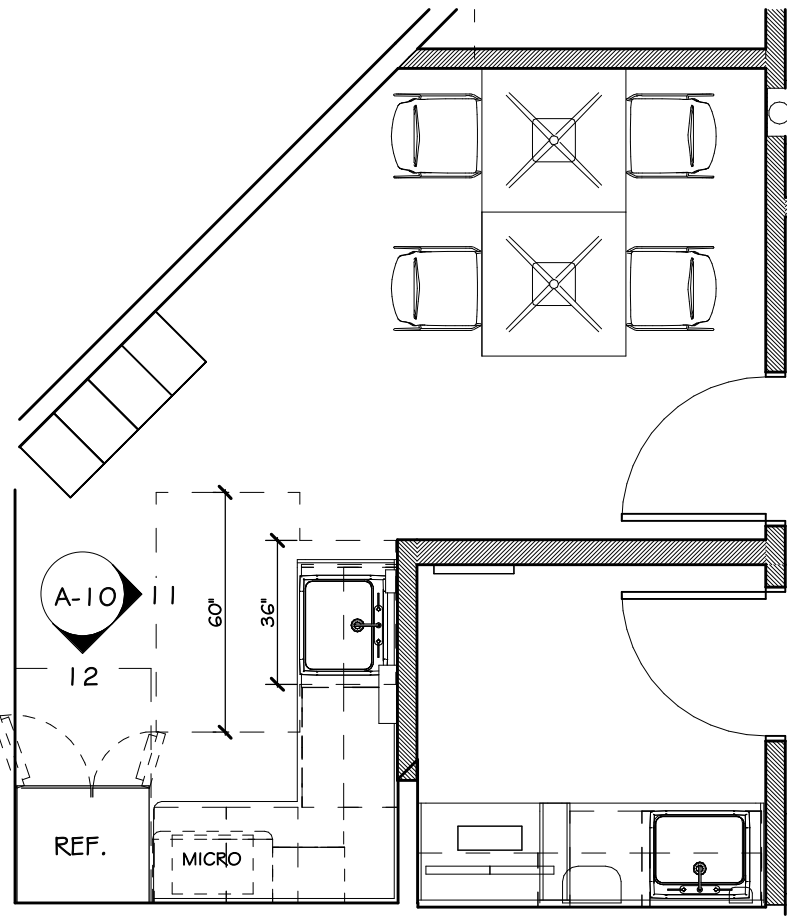
7
A-10
CABINET SECTION - P.LAM. 4 DRAWERS (NO UPPER)
3/4" = 1'-0"



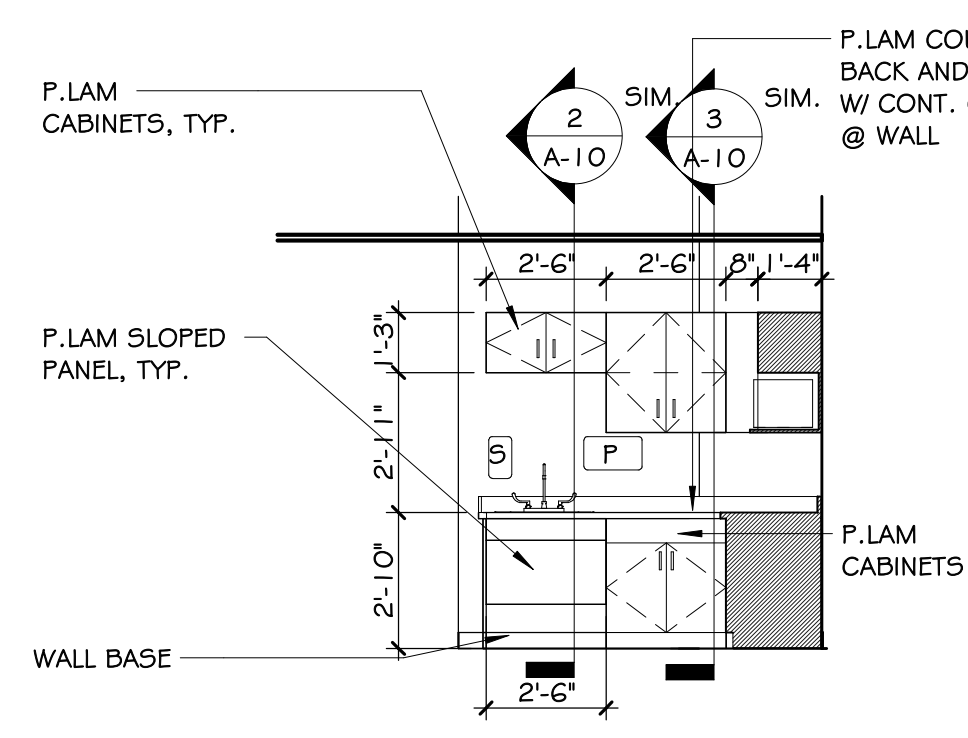
8
A-10
CABINET SECTION - P.LAM DOORS/ DRAWERS VENT (LOWER)
3/4" = 1'-0"



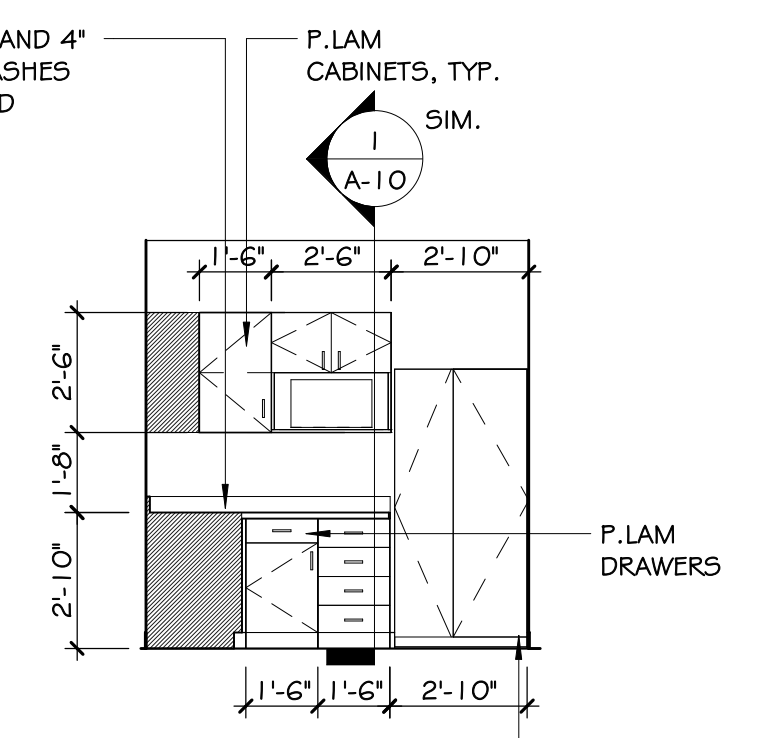
9
A-10
CABINET SECTION - P.LAM TALL CAB | DOOR W/ 2 DRAWERS
3/4" = 1'-0"



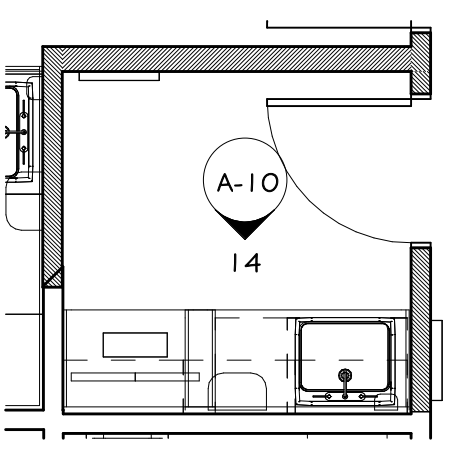
10
A-10
PLAN- BREAK ROOM
1/4" = 1'-0"



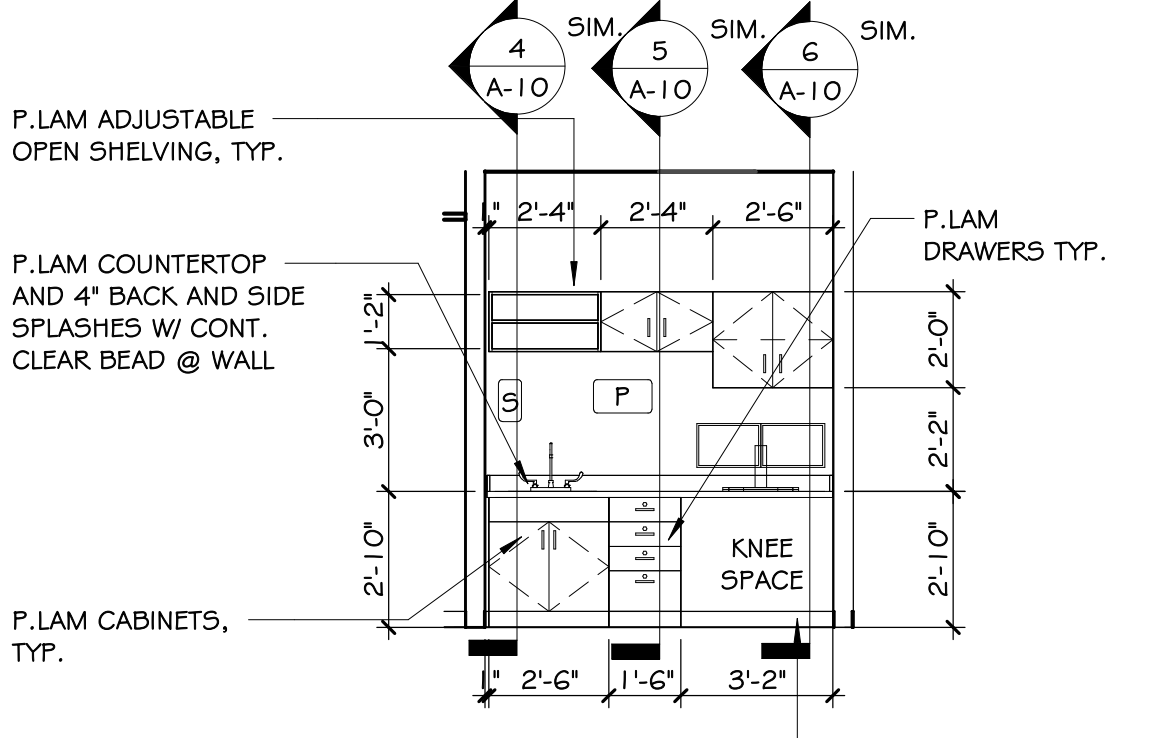
11
A-10
ELEVATION- BREAK ROOM
1/4" = 1'-0"



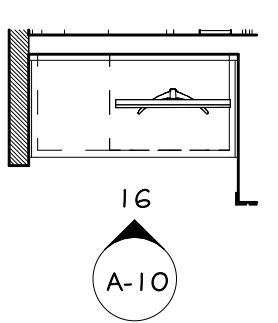
12
A-10
ELEVATION- BREAK ROOM.
1/4" = 1'-0"



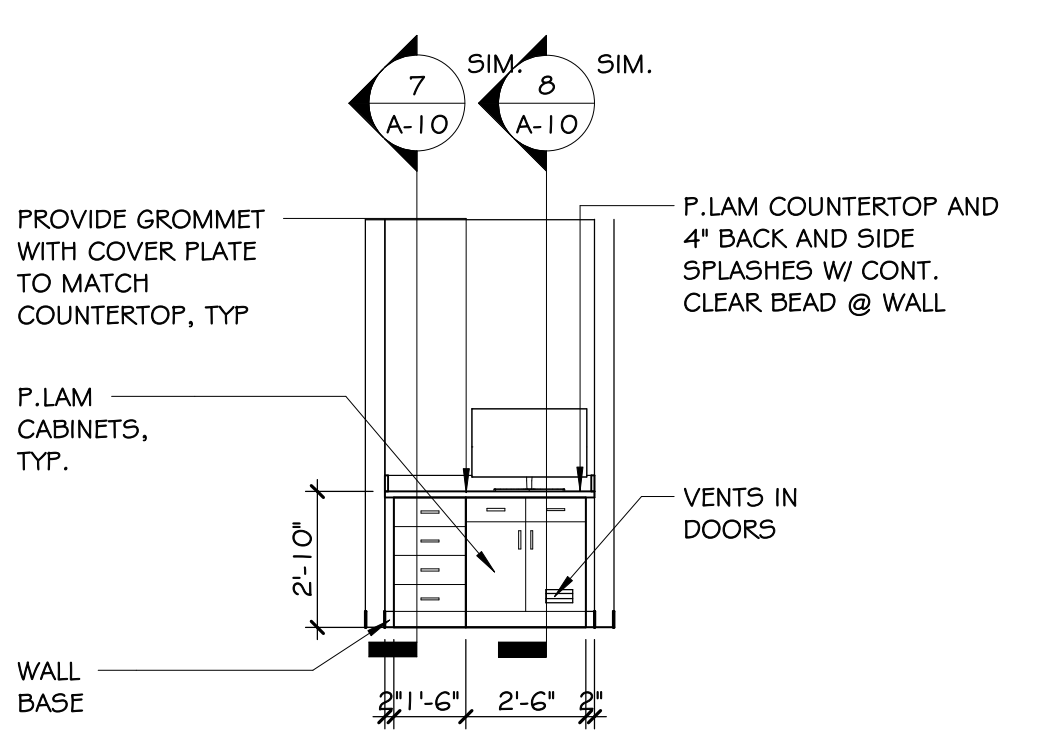
13
A-10
PLAN- LAB
1/4" = 1'-0"



14
A-10
ELEVATION-LAB
1/4" = 1'-0"



15
A-10
PLAN- CBCT (COMPUTER DESK)
1/4" = 1'-0"



16
A-10
ELEVATION-CBCT (COMPUTER DESK)
1/4" = 1'-0"

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4855 RIVER GREEN PKWY
STE 400
DULUTH, GA 30096-2569
(770)-455-4007

DATE	DRWN	CHKD	DATE	DRWN	CHKD
03/12/26	EMM	EMM	04/09/26	EMM	EMM

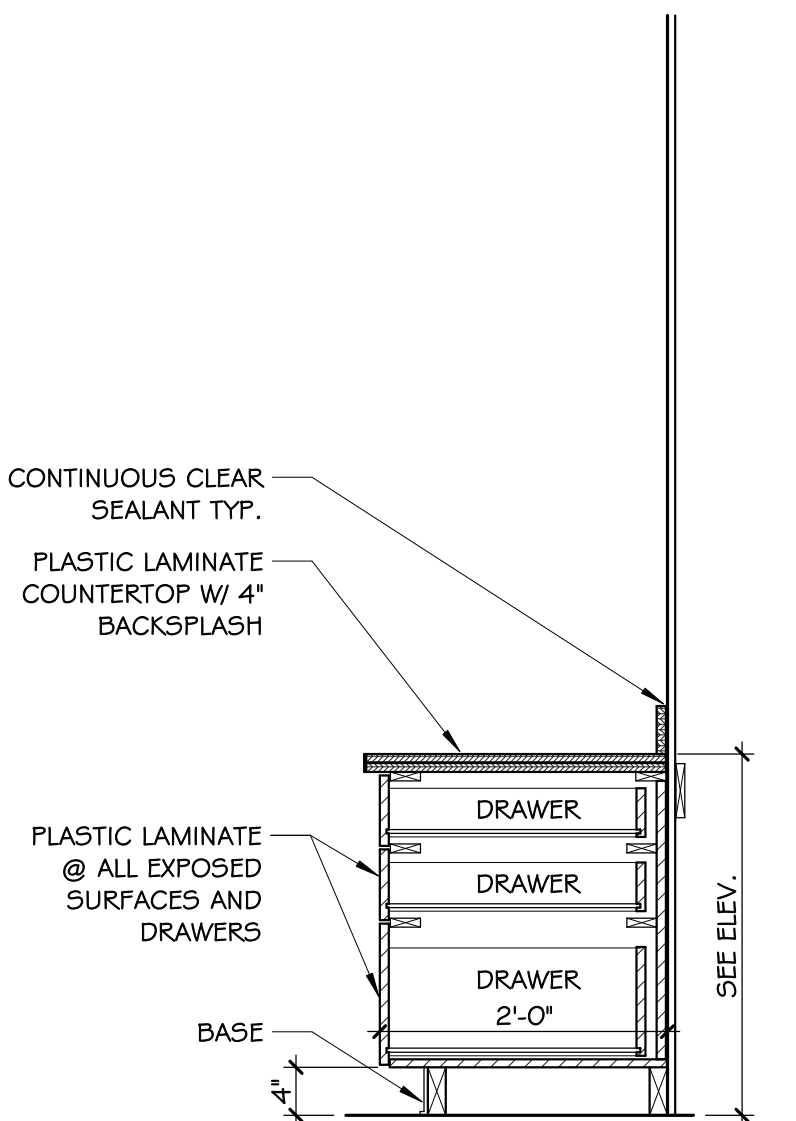
DESCRIPTION
CONSTRUCTION DOCUMENTATION
ADDENDUM NO. 1

HOPKIN ORAL SURGERY EXPANSION
U505M
1377 E 3900 S
SALT LAKE CITY, UTAH

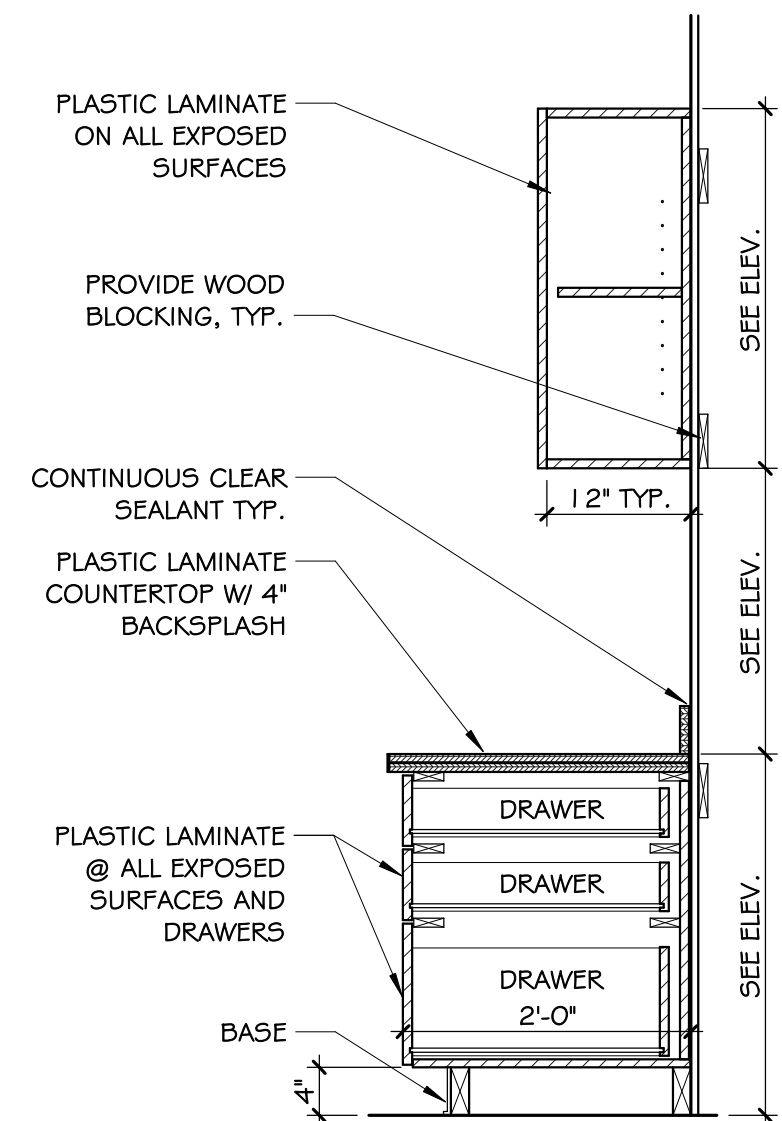
NOT FOR CONSTRUCTION

ENLARGED PLANS,
ELEV. & DETAILS

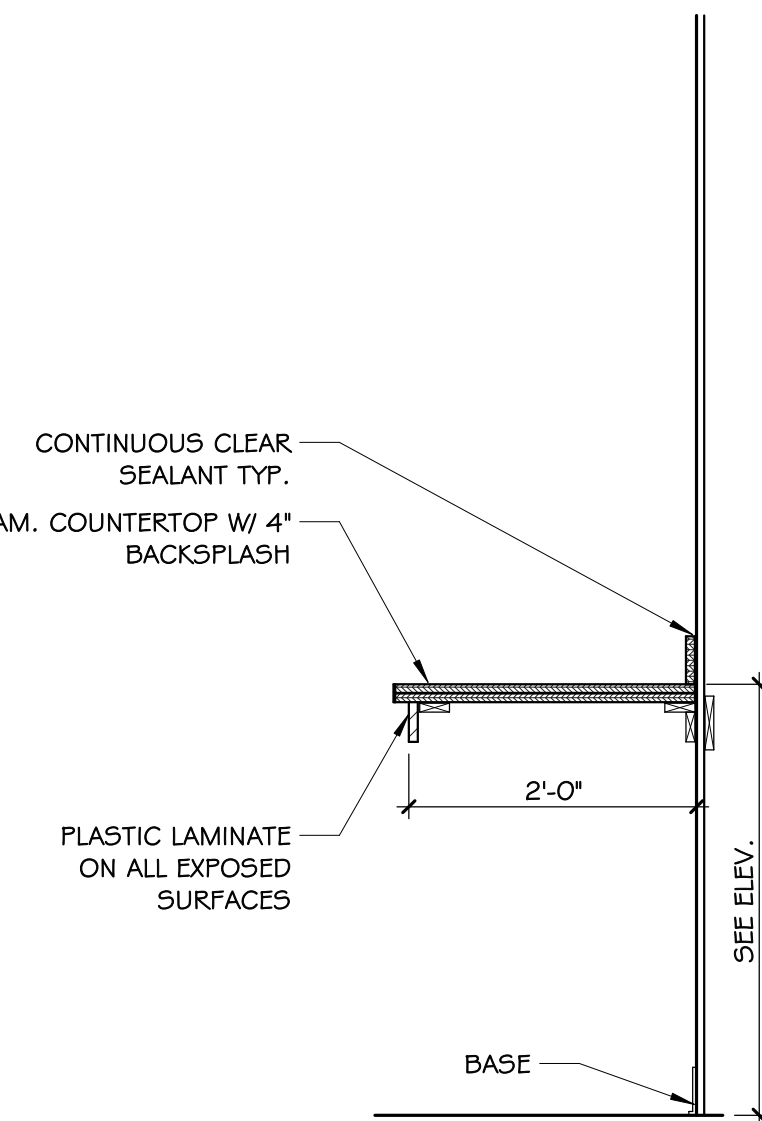
DRAWN BY: EMM
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO: A-10



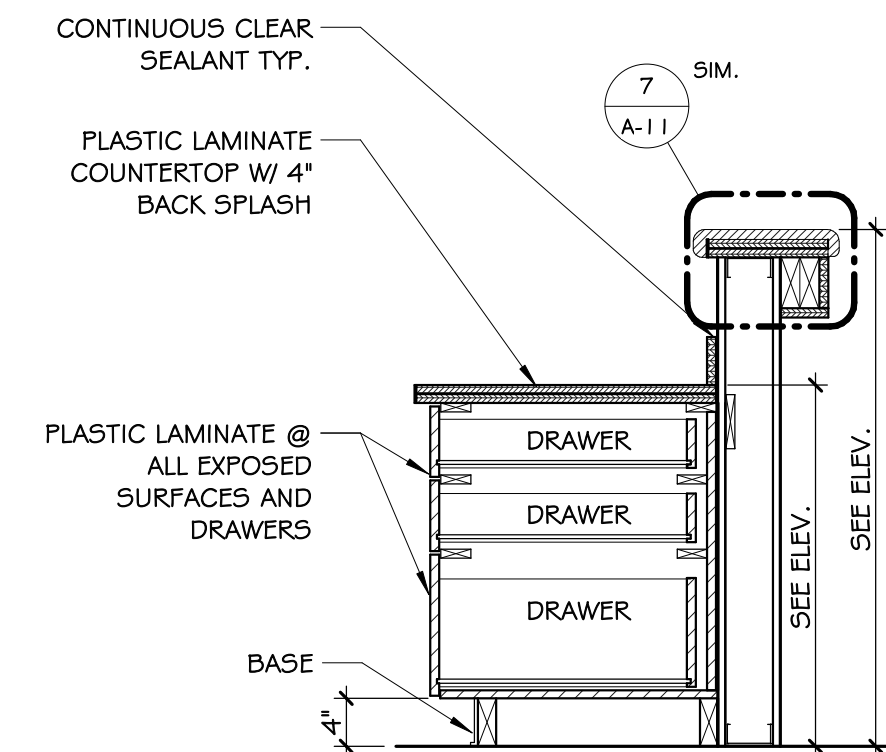
1 CABINET SECTION - P.LAM 2 DRAWER 1 FILE (NO UPPER)
A-11 3/4" = 1'-0"



2 CABINET SECTION - P.LAM 2 DRAWER 1 FILE
A-11 3/4" = 1'-0"

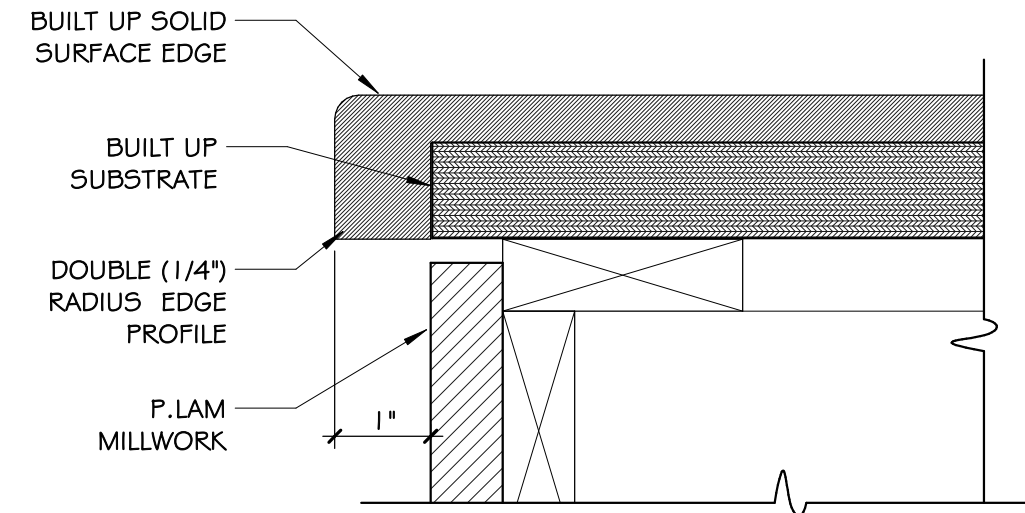


3 CABINET SECTION - P.LAM KNEE SPACE (NO UPPER)
A-11 3/4" = 1'-0"

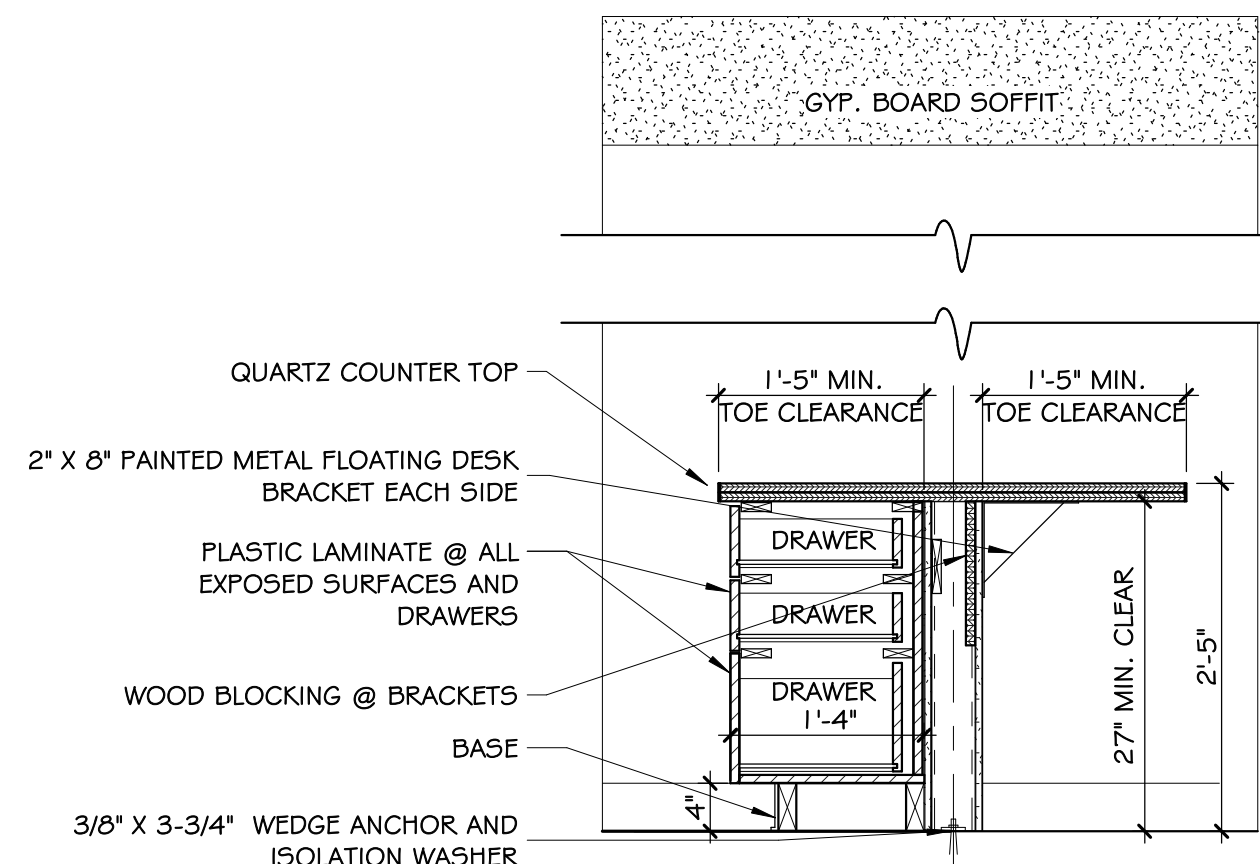


4 CABINET SECTION - P.LAM 2 DRAWER 1 FILE (HALF HGT.)
A-11 3/4" = 1'-0"

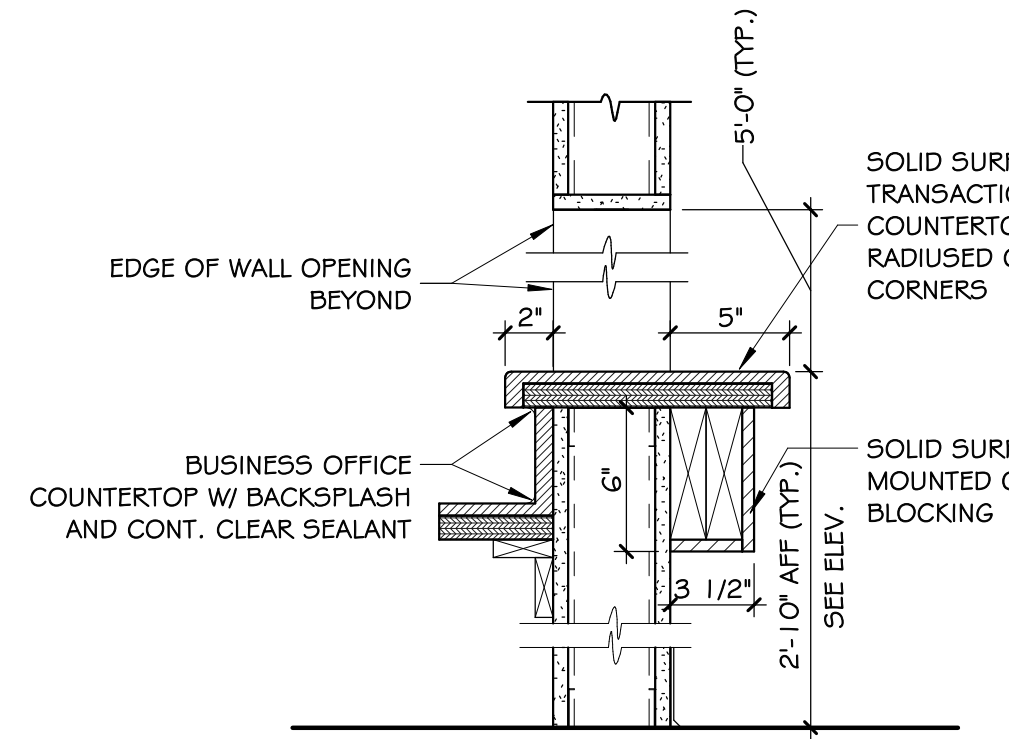
NOTE:
RADIUS EDGE SHALL APPLY TO ALL EDGES OF SOLID SURFACE COUNTERTOPS CONTAINING A KNEE SPACE, LOUNGE, AND WALL CAPS ON HALF HEIGHT WALLS.



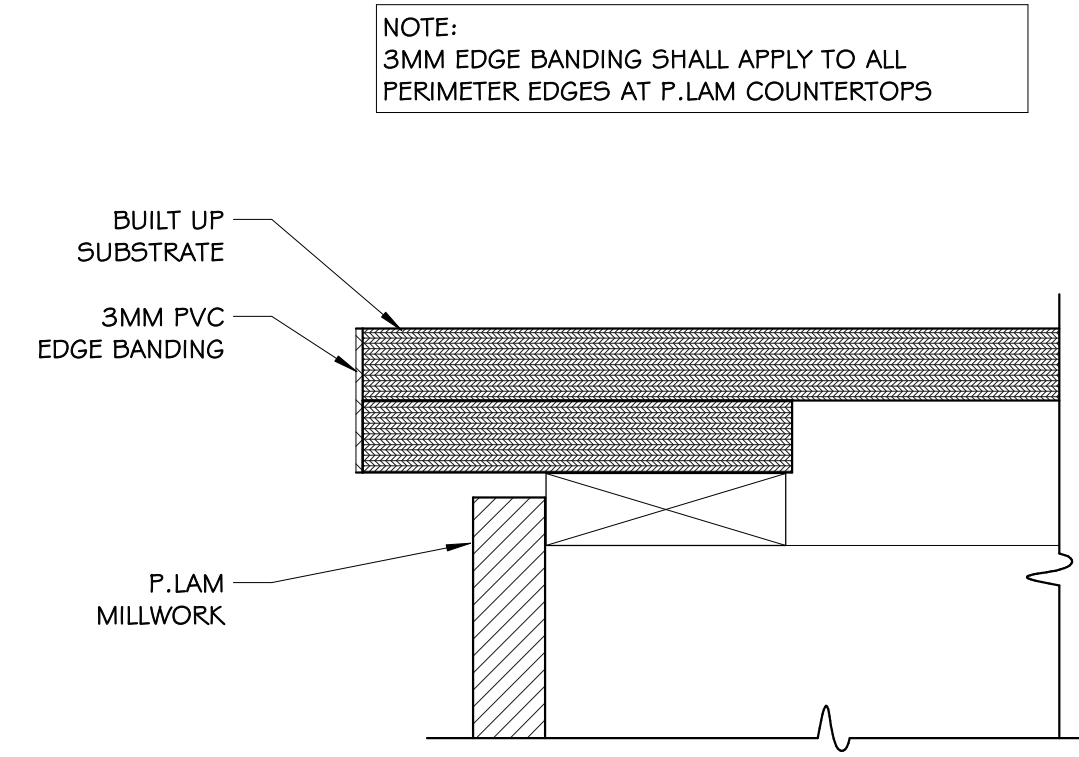
5 DETAIL - S.S. COUNTERTOP EDGE
A-11 6" = 1'-0"



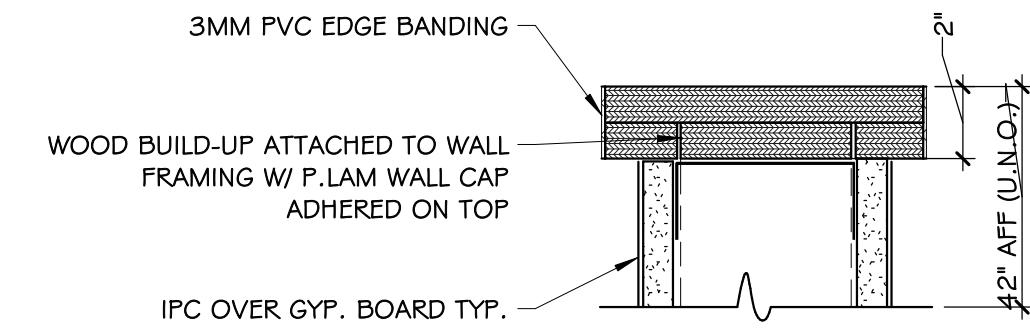
6 CABINET SECTION - CHECK OUT DESK.
A-11 3/4" = 1'-0"



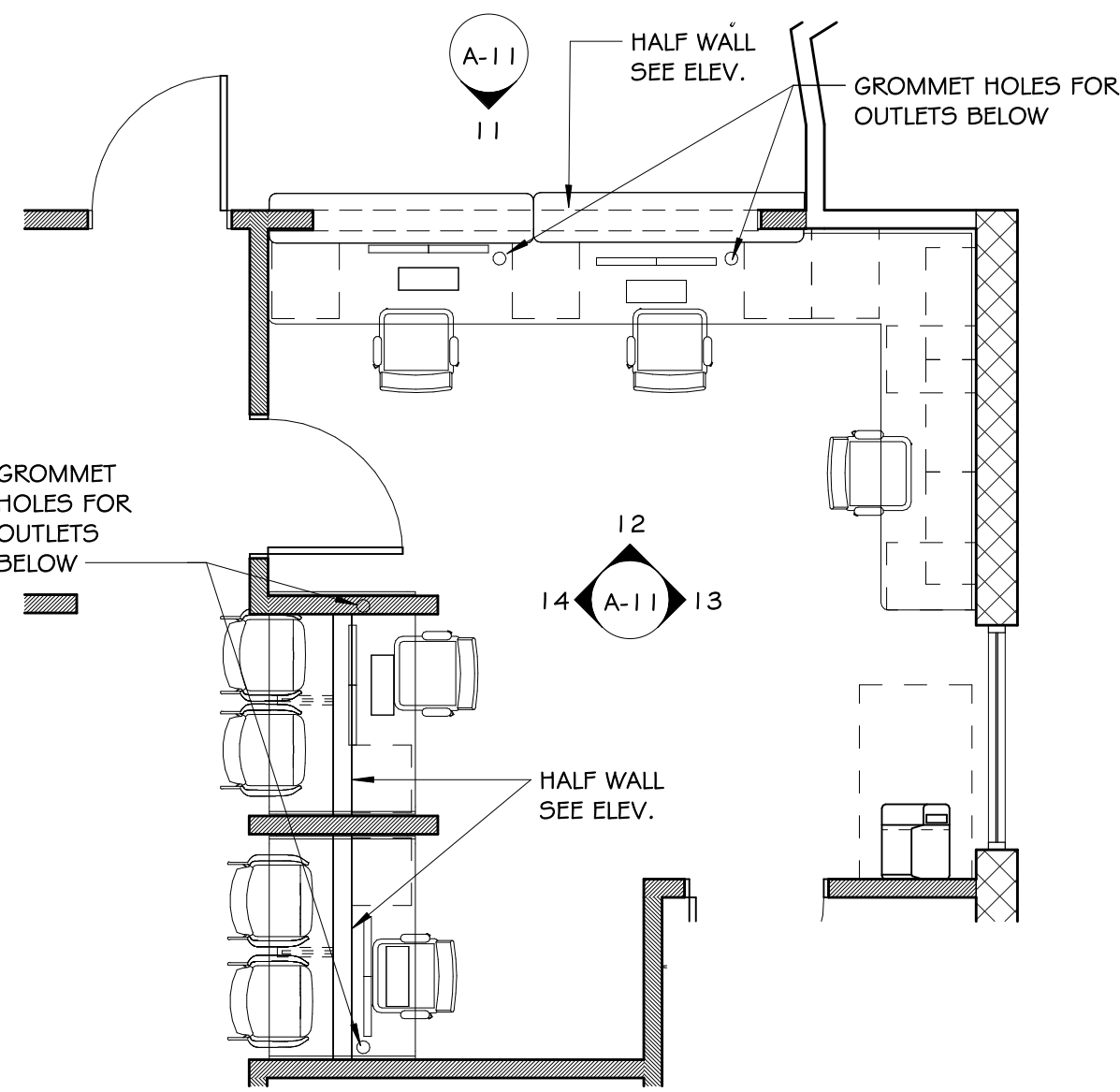
7 SECTION - TRANSACTION
A-11 1 1/2" = 1'-0"



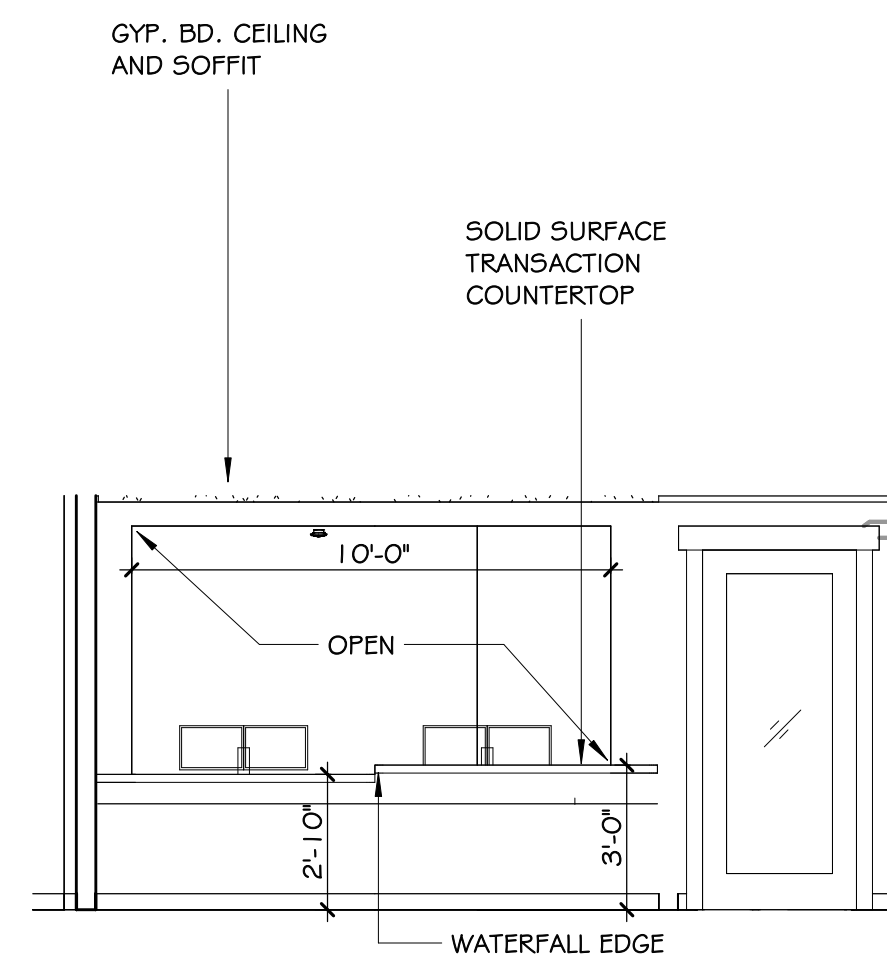
8 DETAIL - 3MM COUNTERTOP EDGE
A-11 6" = 1'-0"



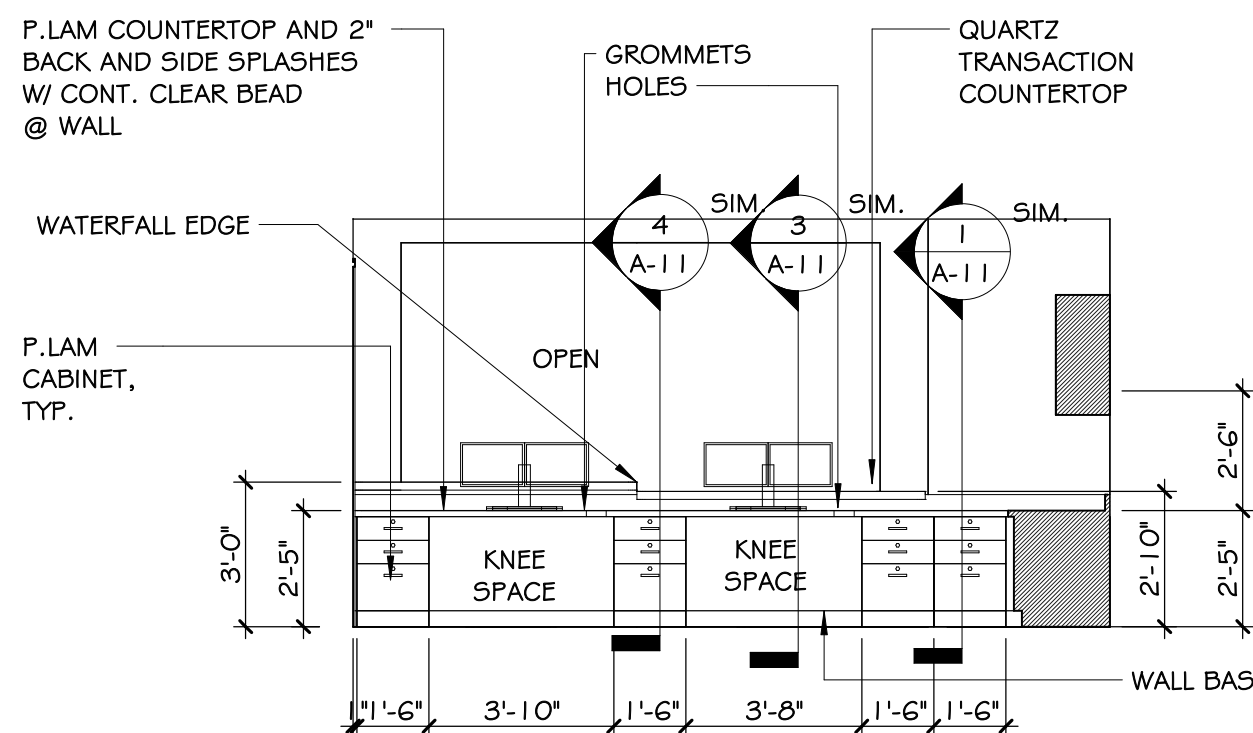
9 DETAIL - P.LAM CAP
A-11 3" = 1'-0"



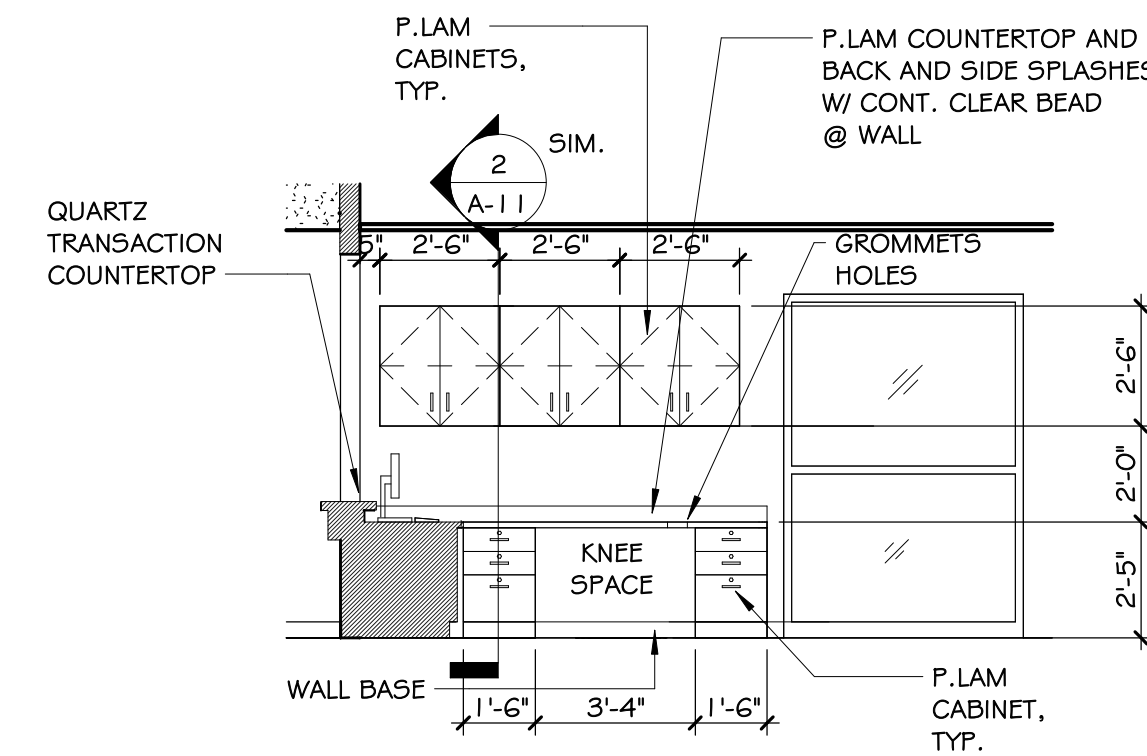
10 PLAN- RECEPTION (CHECK IN-OUT)
A-11 1/4" = 1'-0"



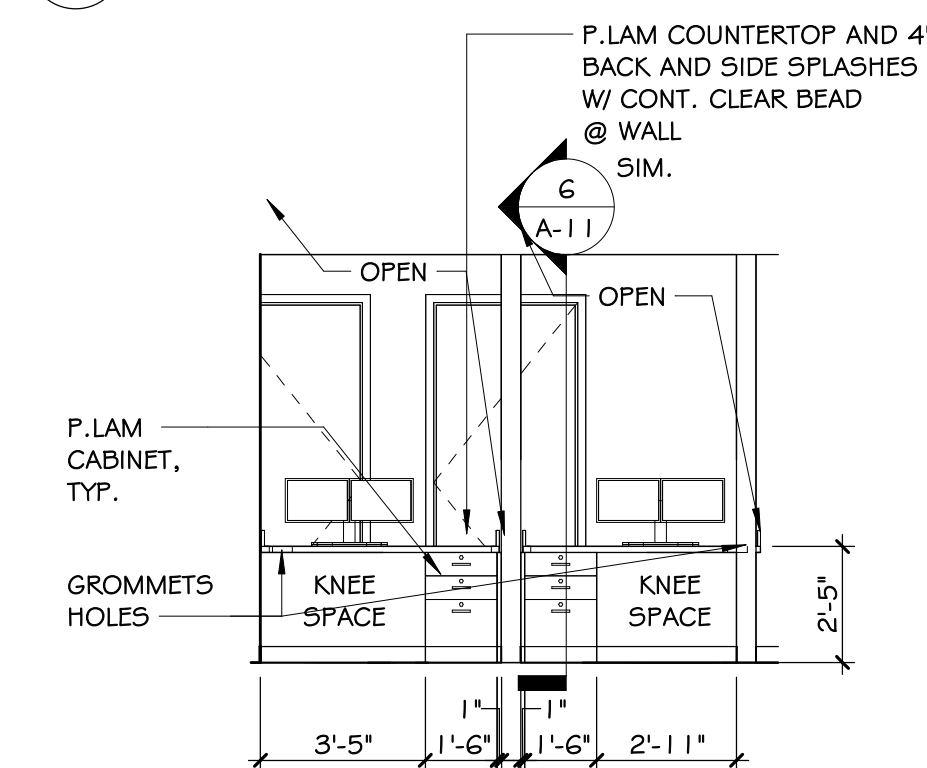
11 ELEVATION- TRANSACTION COUNTER (CHECK IN)
A-11 1/4" = 1'-0"



12 ELEVATION- RECEPTION (CHECK IN)
A-11 1/4" = 1'-0"



13 ELEVATION- RECEPTION
A-11 1/4" = 1'-0"



14 ELEVATION- CHECK-OUTS
A-11 1/4" = 1'-0"

CABINET HARDWARE SCHEDULE TYP.

DRAWER SLIDES: FULL EXTENSION SLIDES, 100 LBS RATED, CLEAR ZINC FINISH - ACCURIDE NO. 3832, 20" LONG, TYP. @ ALL BOX DRAWERS, SIMILAR @ ALL OTHER DRAWERS.

HINGES: VERTICAL CONCEALED CABINET HINGES: BLUM CLIP TOP 110 WITH BLUMOTION SOFT CLOSE. PROVIDE 2" FILLER STRIPS TYP. AND 86° ANGLE RESTRICTIVE CLIP ON ALL CABINET DOORS LOCATED IN A CORNER TO PREVENT WALL DAMAGE FROM HANDLE.

DOOR/DRAWER PULLS: 4" CENTER TO CENTER WIRE PULLS, BRUSH CHROME FINISH.

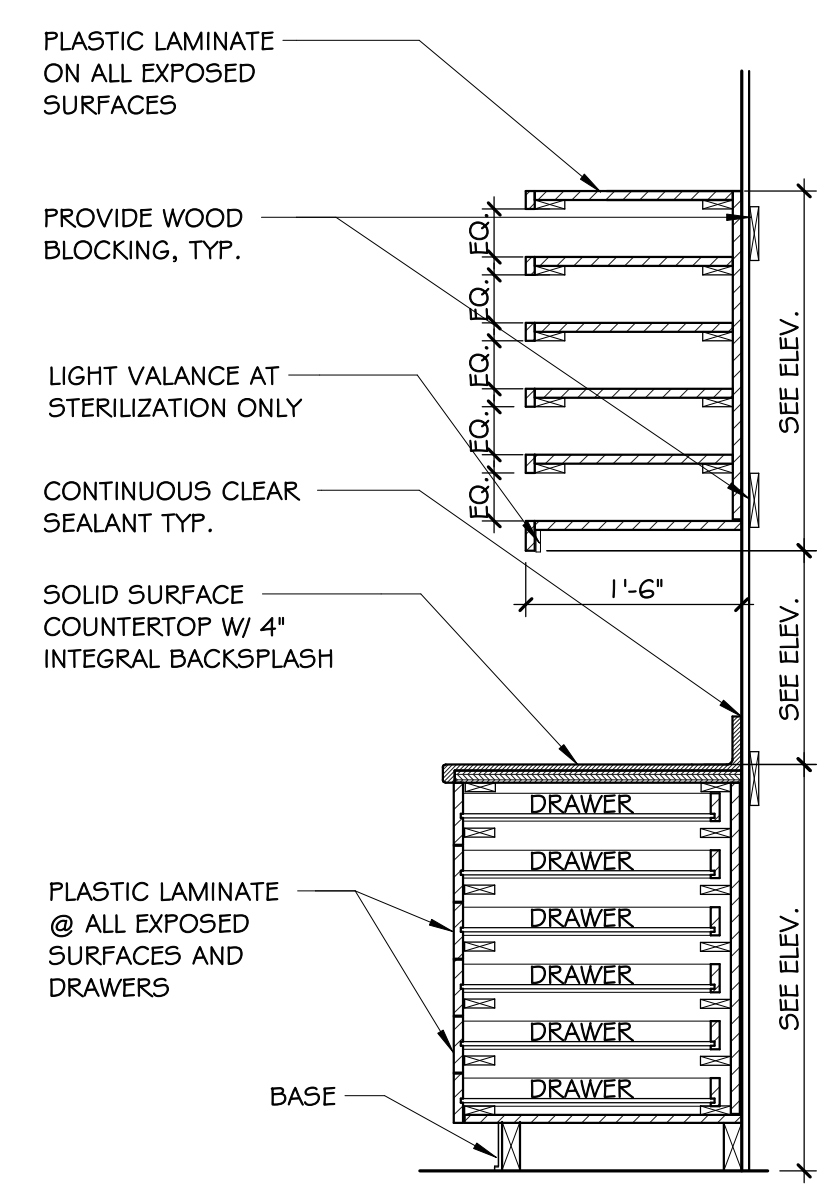
ADJUSTABLE SHELF SUPPORTS: METAL PEGS W/ FLAT EXTENSION FITTED INTO PRE-DRILLED HOLES INTO CABINET SIDES. KV NO. 345, PEGS TO BE 5 MM IN DIAMETER.

DOOR/DRAWER LOCKS: SHELBY NO. CAMLOC, 3/4" x 1 1/4" CAM LOCK @ REQUIRED CABINET DOORS AND DRAWER FRONTS. SIMILAR LOCKS BY HAFELE ACCEPTABLE. COORDINATE FINAL LOCK LOCATIONS WITH TENANT/OWNER.

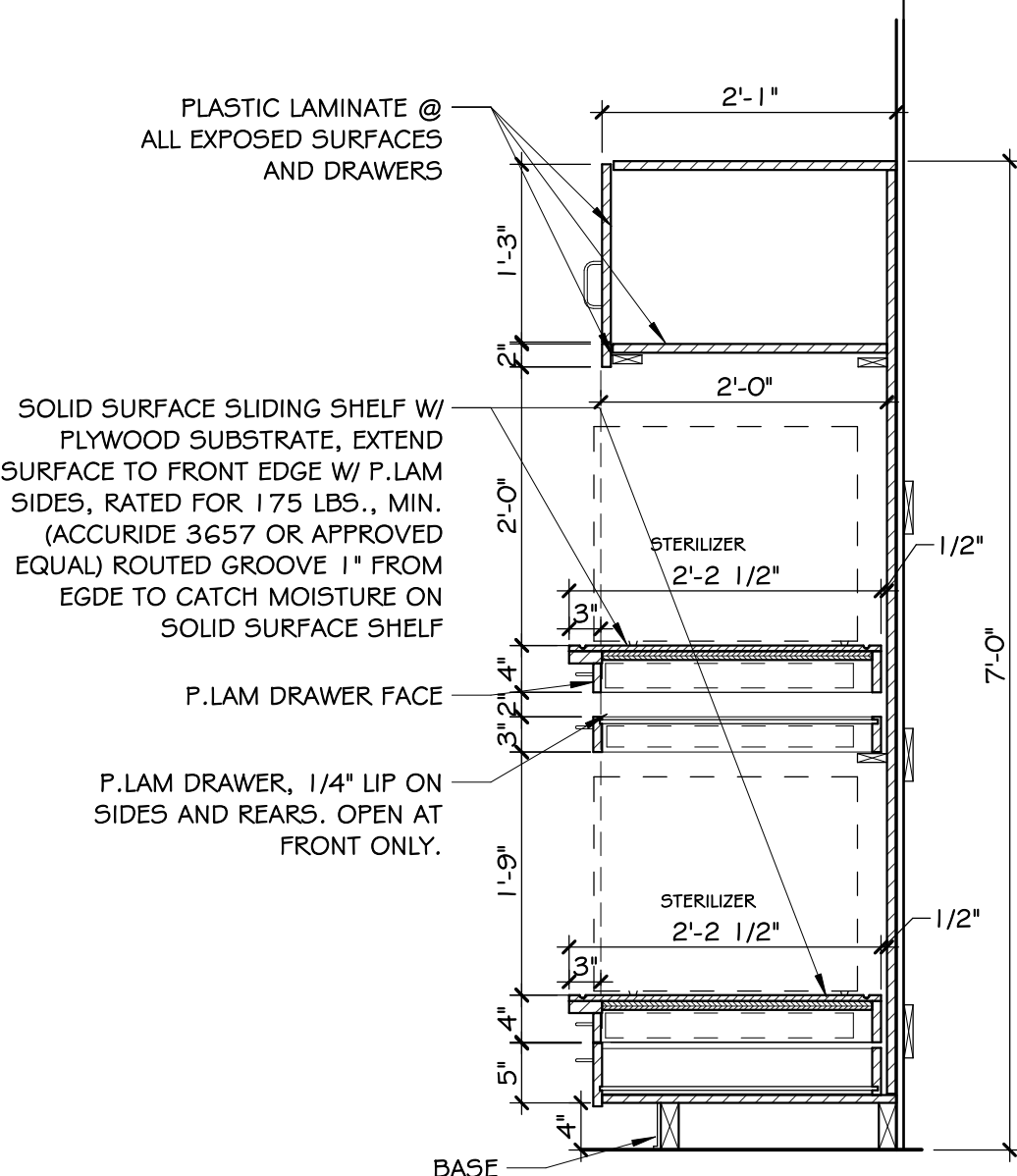
MILLWORK NOTES:

- G.C. APPROVED MILLWORK SHOP DRAWINGS MUST BE SUBMITTED TO ARCHITECT PRIOR TO MANUFACTURING, FOR DESIGN CONFORMANCE AND REVIEW.
- PROVIDE VALANCES AT UNDER-CABINET LIGHTING AS INDICATED IN DRAWINGS. REF. MILLWORK ELEVATIONS. COORDINATE W/ TENANT/OWNER PRIOR TO INSTALLATION.
- COORDINATE KEYED LOCK LOCATIONS WITH TENANT/OWNER.
- RADIUS COUNTERTOP CORNERS FOR ALL MILLWORK TYP 2".
- 2" CORNER GUARDS AT ALL OUTSIDE CORNERS. BOTTOM OF CORNER GUARDS TO ALIGN W/ TOP OF BASE AND EXTEND TO 48" AFF OR TOP OF WALL PROTECTION U.N.O.
- PROVIDE (2) TWO 3" GROMMETS W/ COVERS IN COUNTERTOP AT ALL KNEE SPACES. COORD. LOCATION # NUMBER W/ FM PRIOR TO INSTALLATION.
- ALL WALL CABINETS SHALL HAVE A MIN 1 1/2" CLEAR INTERIOR DEPTH. PROVIDE BACK PANEL MIN 1/2" W/ P.LAM FINISH. ATTACH VIA FRENCH CLEATS ATTACHED TO DAN-BACK FLEXIBLE WOOD BLOCKING SYSTEM OR APPROVED EQUAL FOR SECURE MOUNTING.
- SEAL ALL MILLWORK VERTICALS, COUNTERTOPS, AND BACK SPLASHES TO ADJACENT SURFACES (TYP.)
- INSTALL FILE HANGING KITS IN ALL FILE DRAWERS.
- G.C. TO CLEAN ALL CABINETS & COUNTERTOPS PRIOR TO INSPECTION.
- 3MM PVC EDGE BANDING SHALL BE APPLIED AT ALL MILLWORK DOOR / DRAWER EDGES, EXPOSED PANEL ENDS, AND CORNERS.
- COORDINATE SINK MOUNTING HEIGHTS WITH ADA CLEARANCE DETAILS.

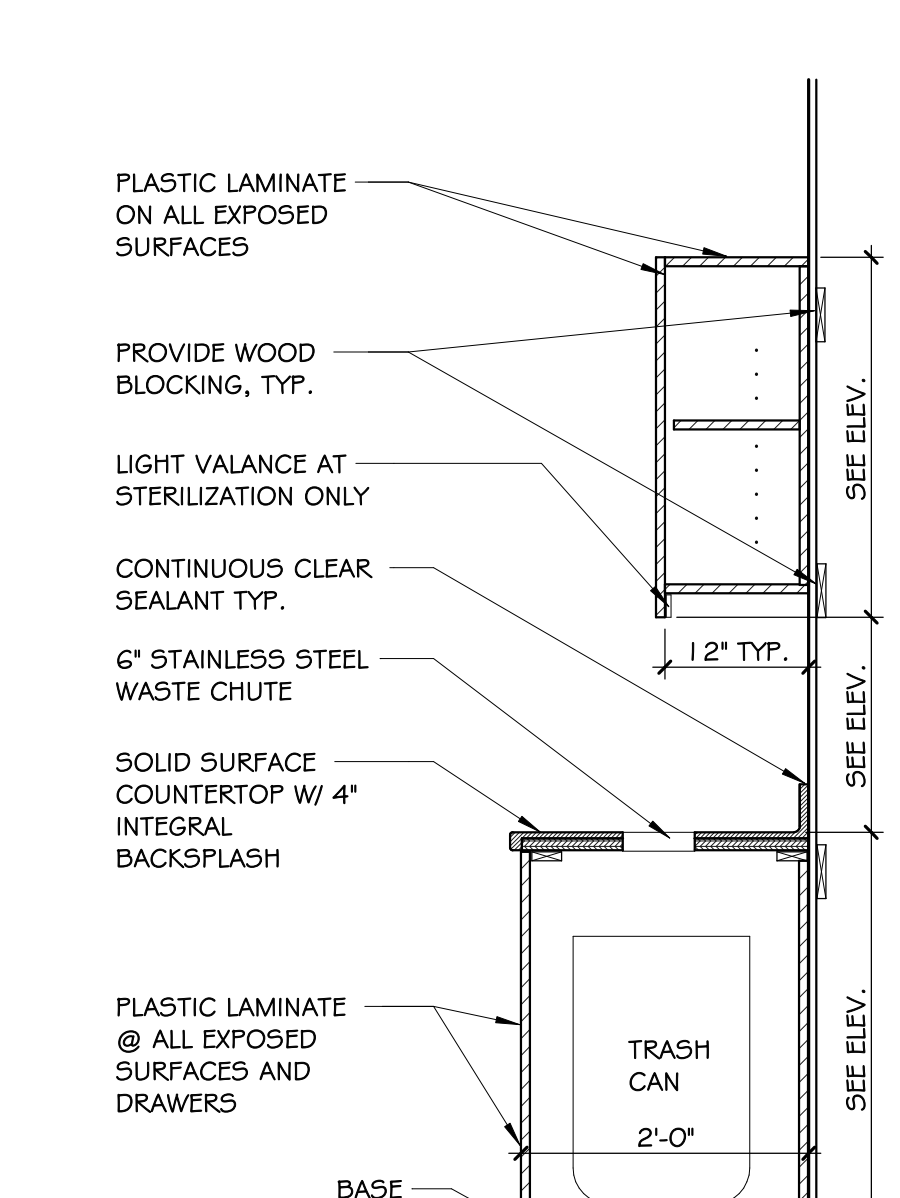
DATE	DRWN	CHKD	DATE	DRWN	CHKD
03/11/26	EMM	EMM			
04/09/26					



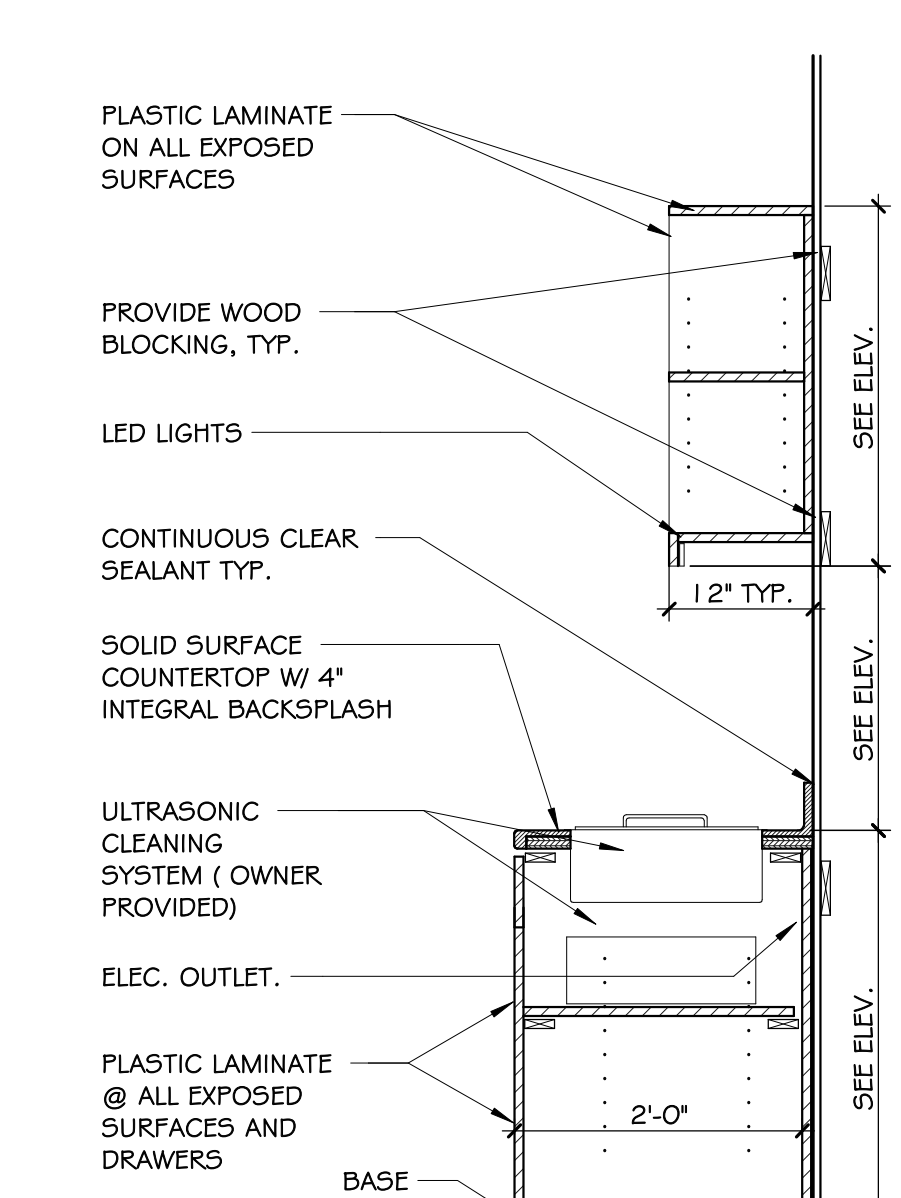
1 CABINET SECTION - S.S. - DOOR W/ UPPER TRAY HOLDERS-STERIL.
A-12 3/4" = 1'-0"



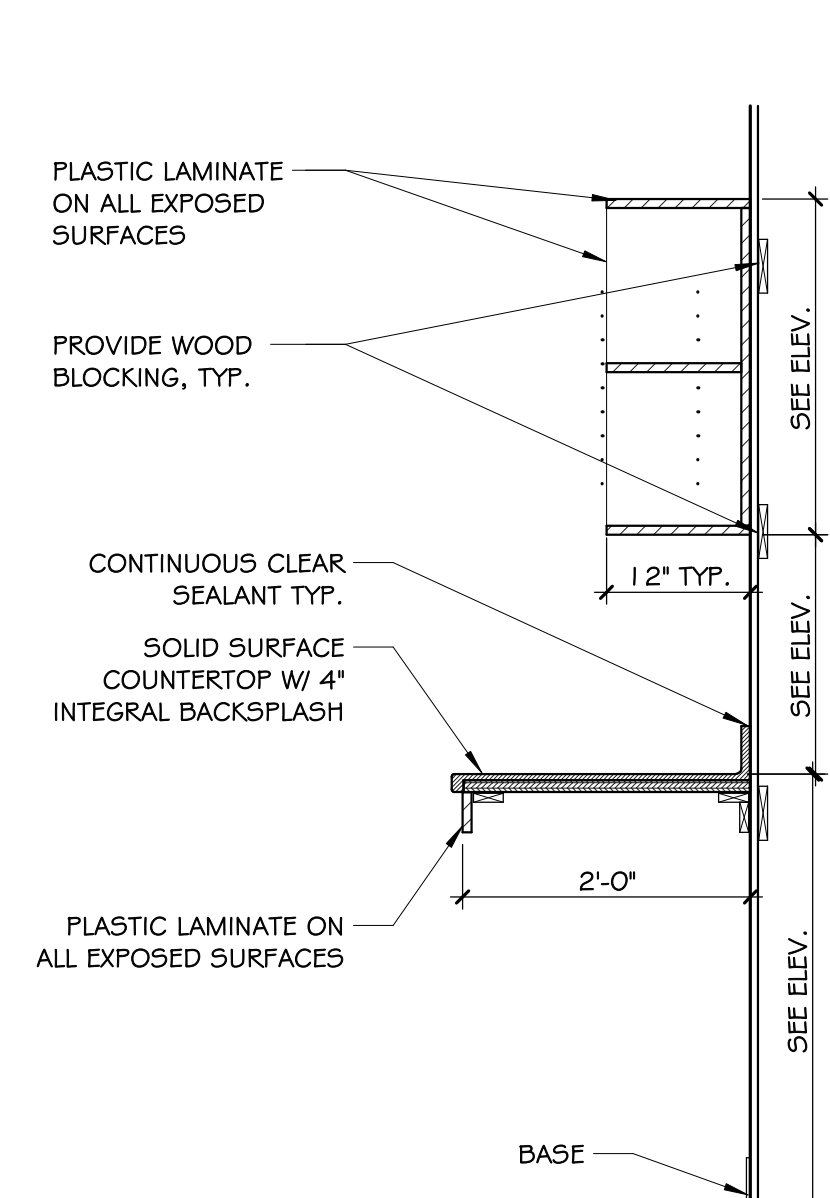
2 CABINET SECTION - P.LAM DOORS W/ STERILIZER CABINETS
A-12 3/4" = 1'-0"



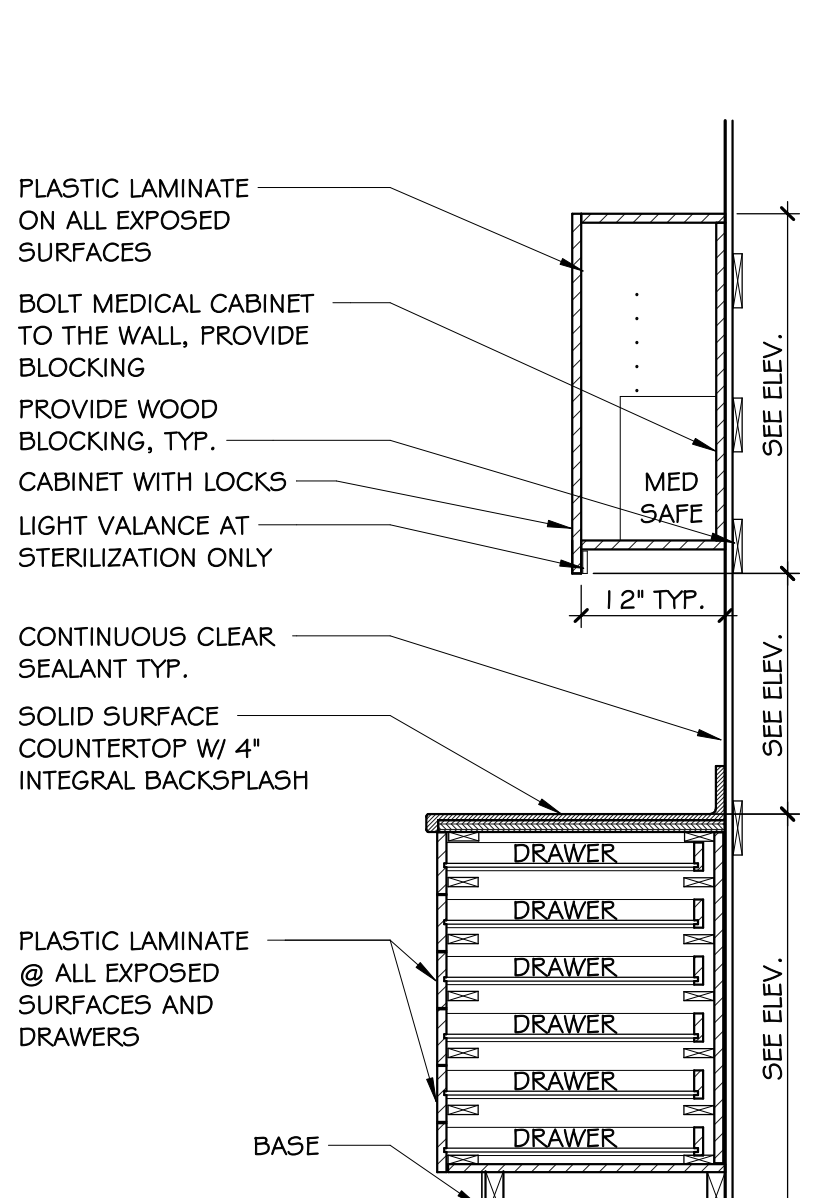
3 CABINET SECTION - S.S. - DOORS/ OPENINGS-TRASHCAN- STERIL.
A-12 3/4" = 1'-0"



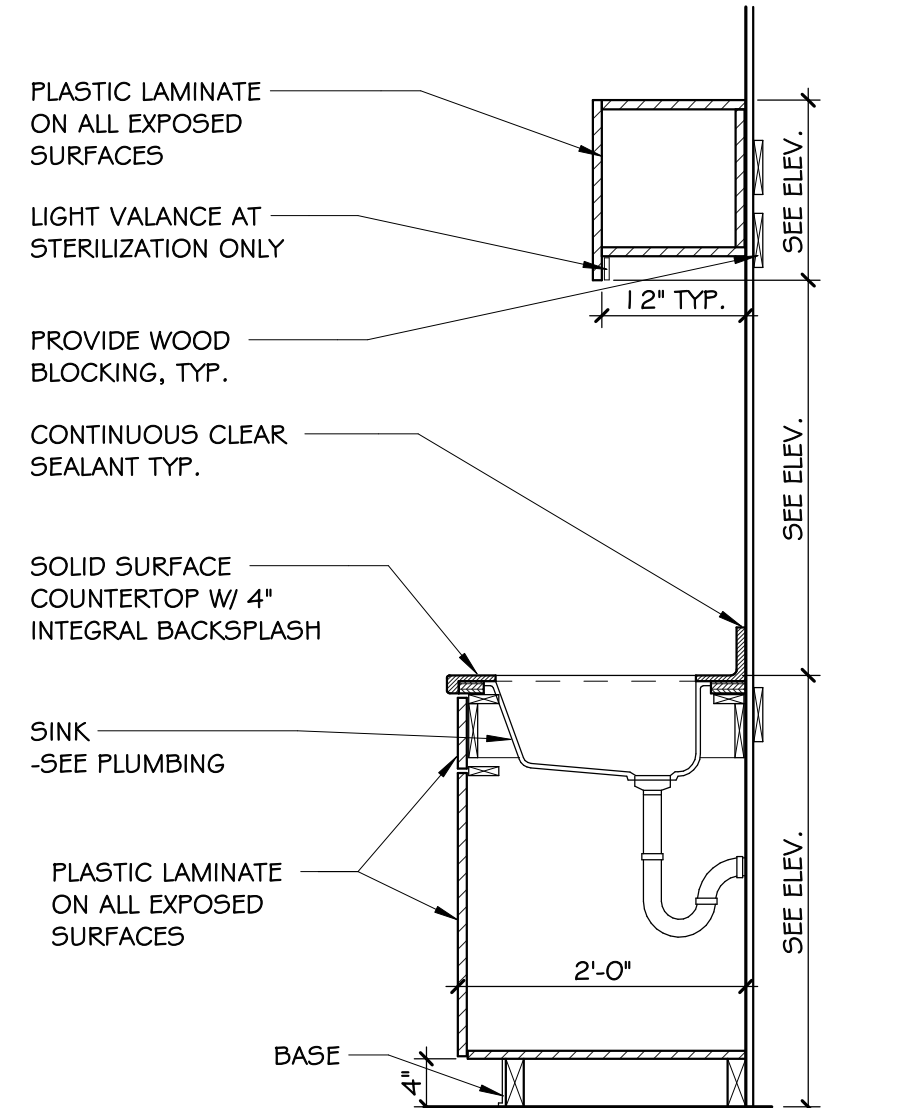
4 CABINET SECTION - S.S. ULTRASONIC-CABINET-STERIL. (NOT USED IN THIS PROJECT)
A-12 3/4" = 1'-0"



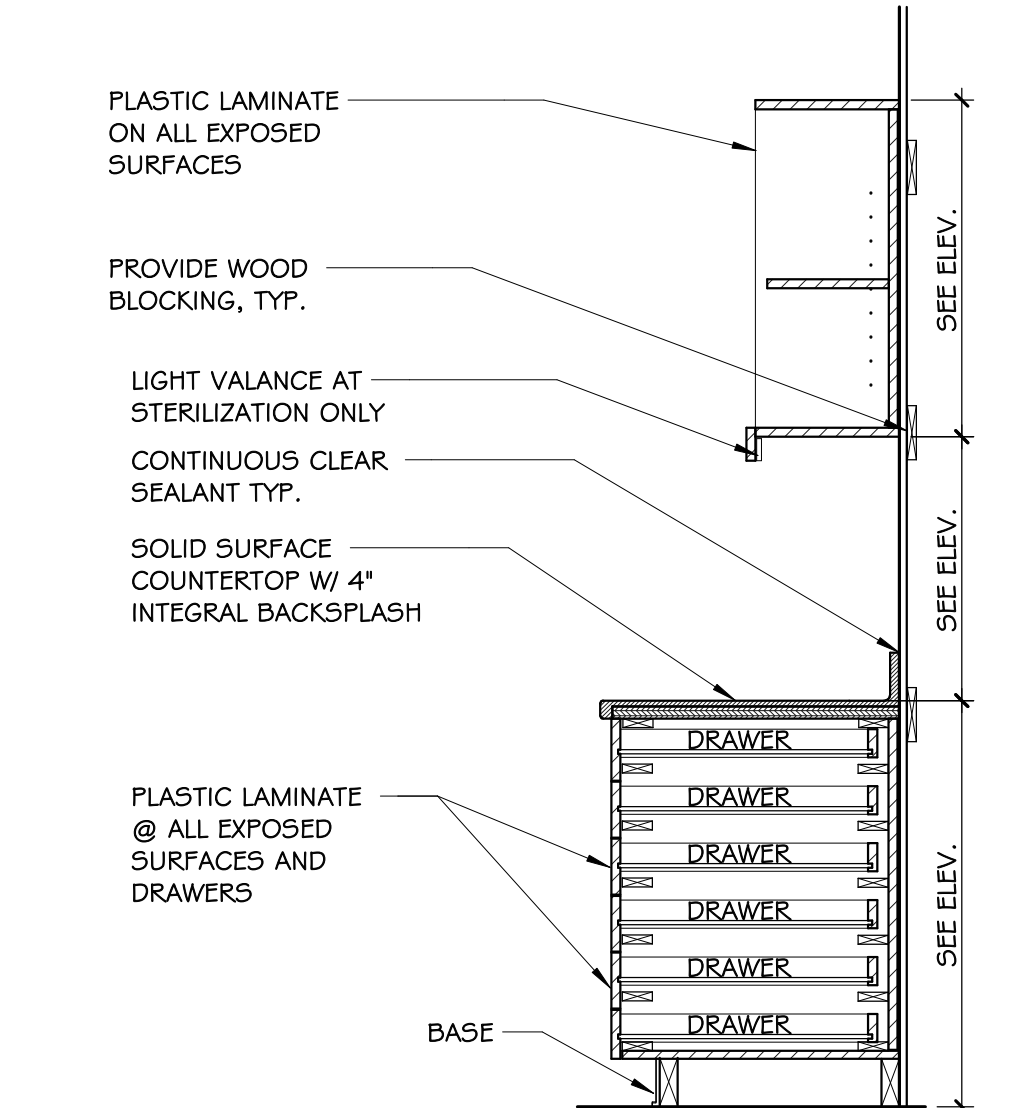
5 CABINET SECTION - S.S. KNEE SPACE W/ OPEN SHELF
A-12 3/4" = 1'-0"



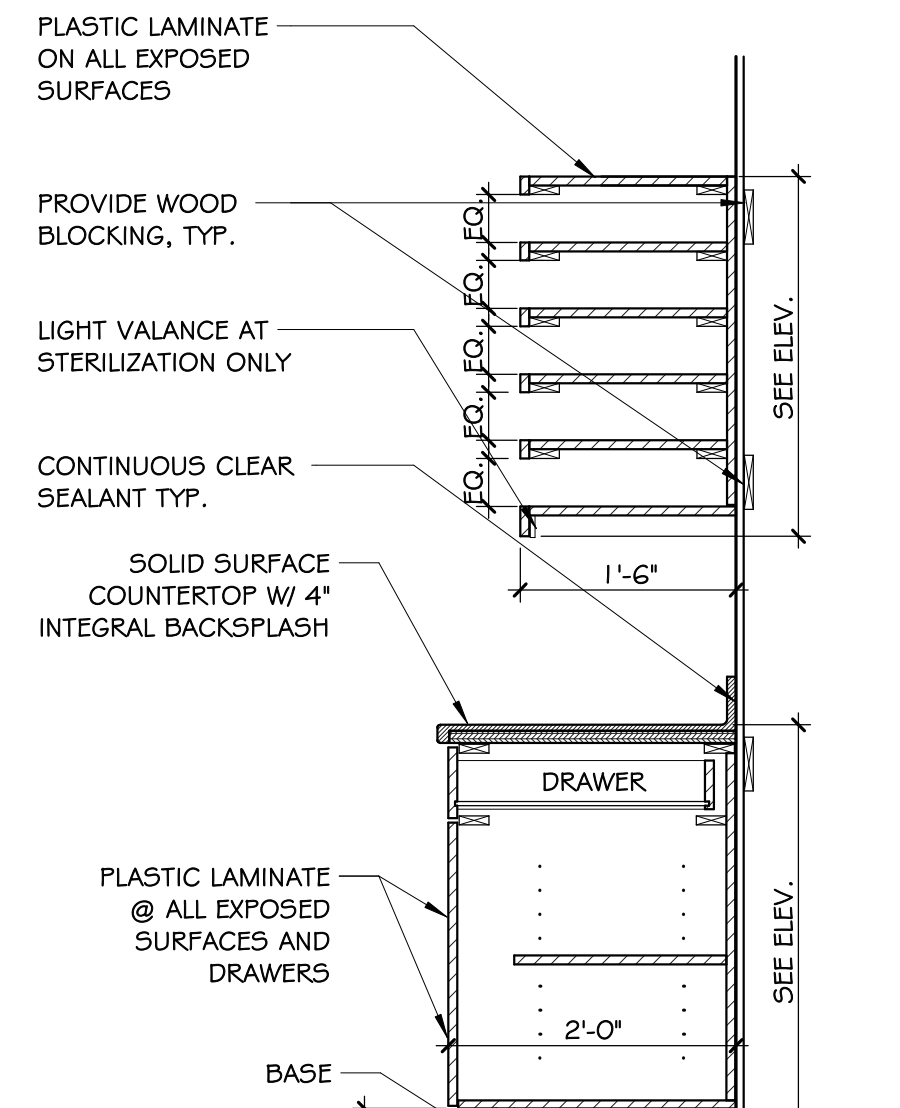
6 CABINET SECTION - S.S 6 DRAWERS (MED)
A-12 3/4" = 1'-0"



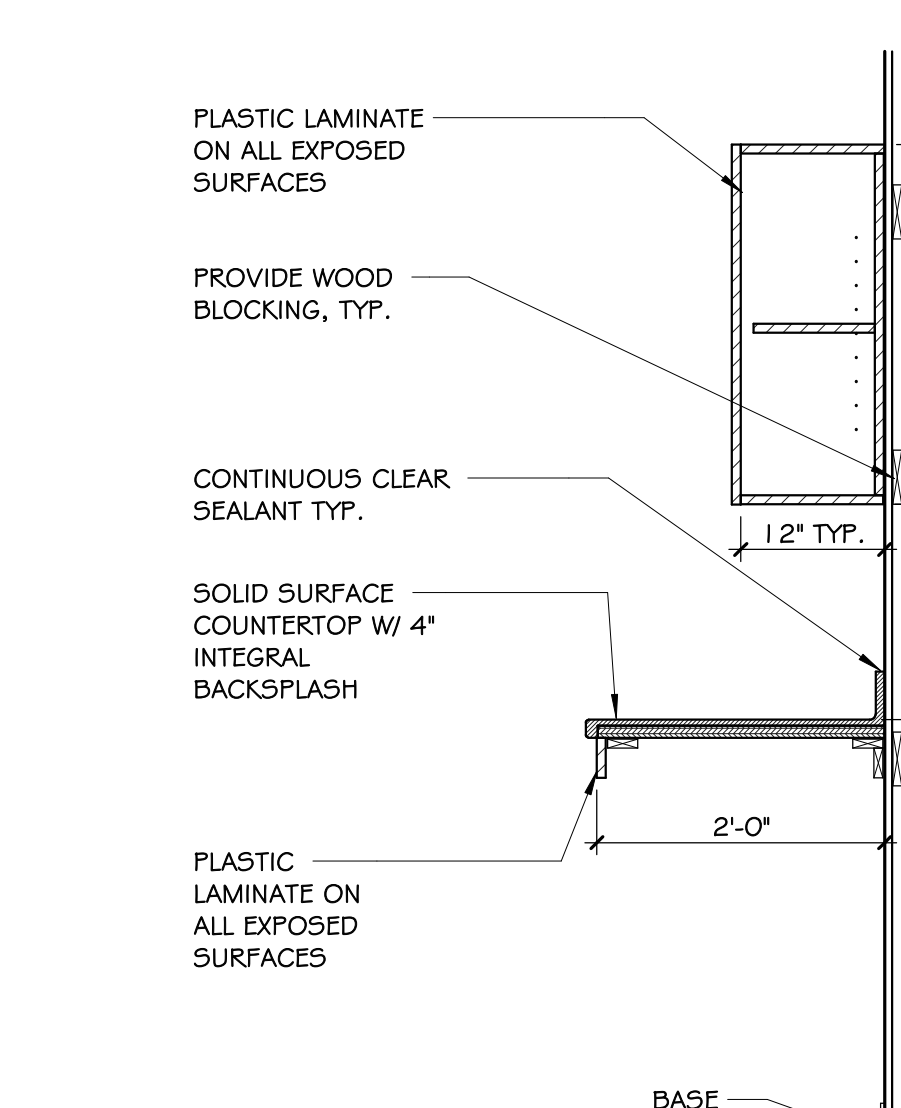
7 CABINET SECTION - S.S. SINK DOORS
A-12 3/4" = 1'-0"



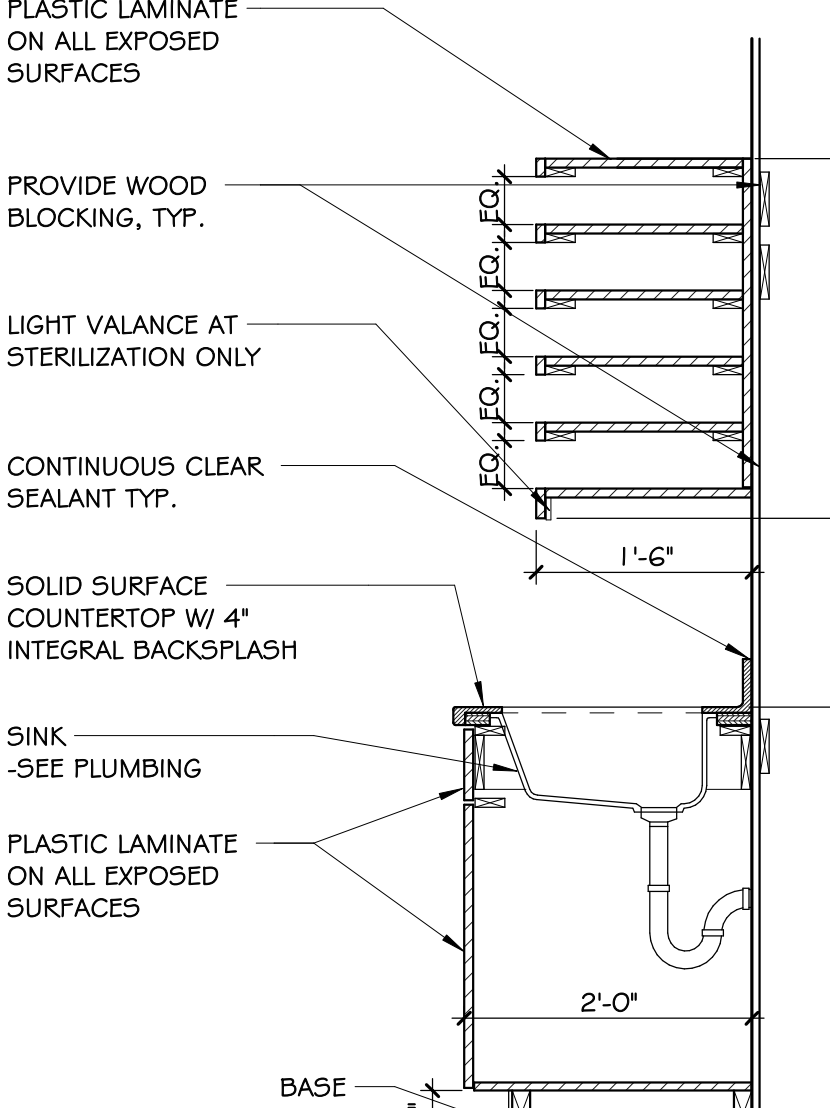
8 CABINET SECTION - S.S. 6 DRAWER / OPEN SHELF
A-12 3/4" = 1'-0"



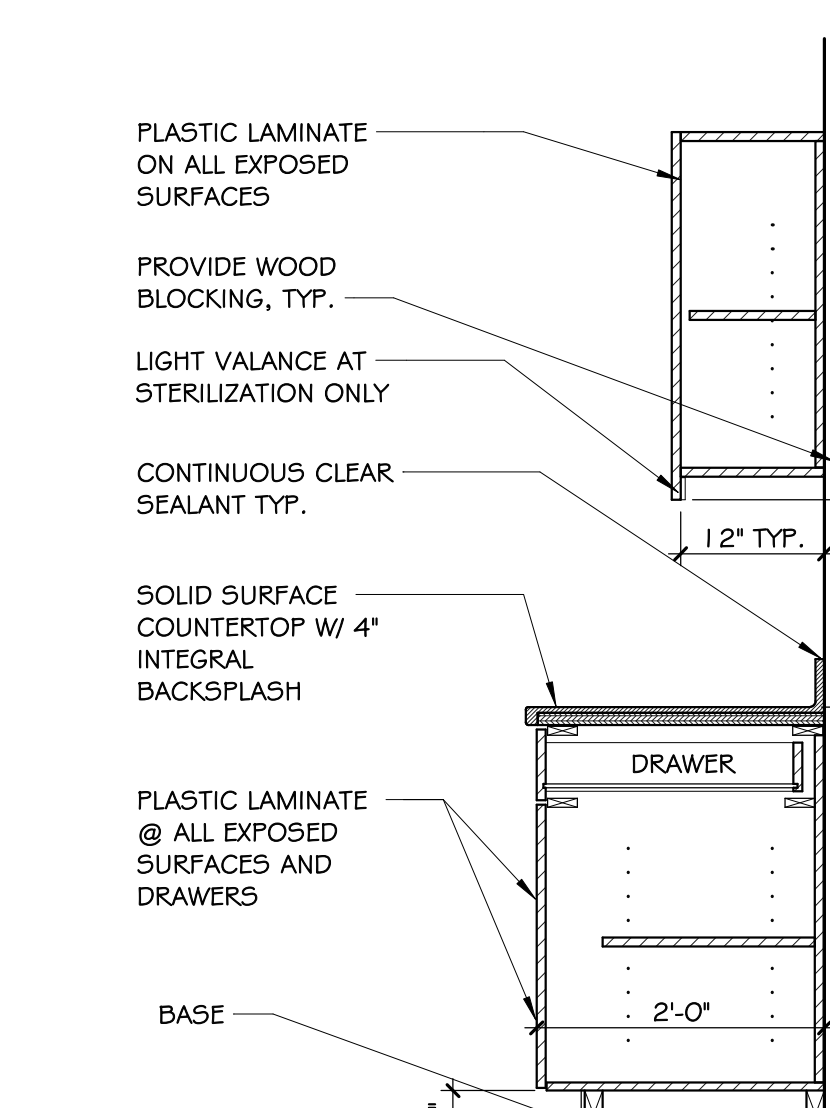
9 CABINET SECTION - S.S. DOORS W/ UPPER TRAY
A-12 3/4" = 1'-0"



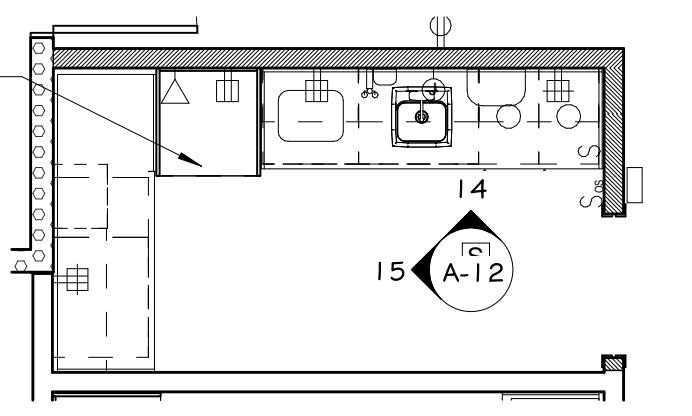
10 CABINET SECTION - S.S. KNEE SPACE TRAYS
A-12 3/4" = 1'-0"



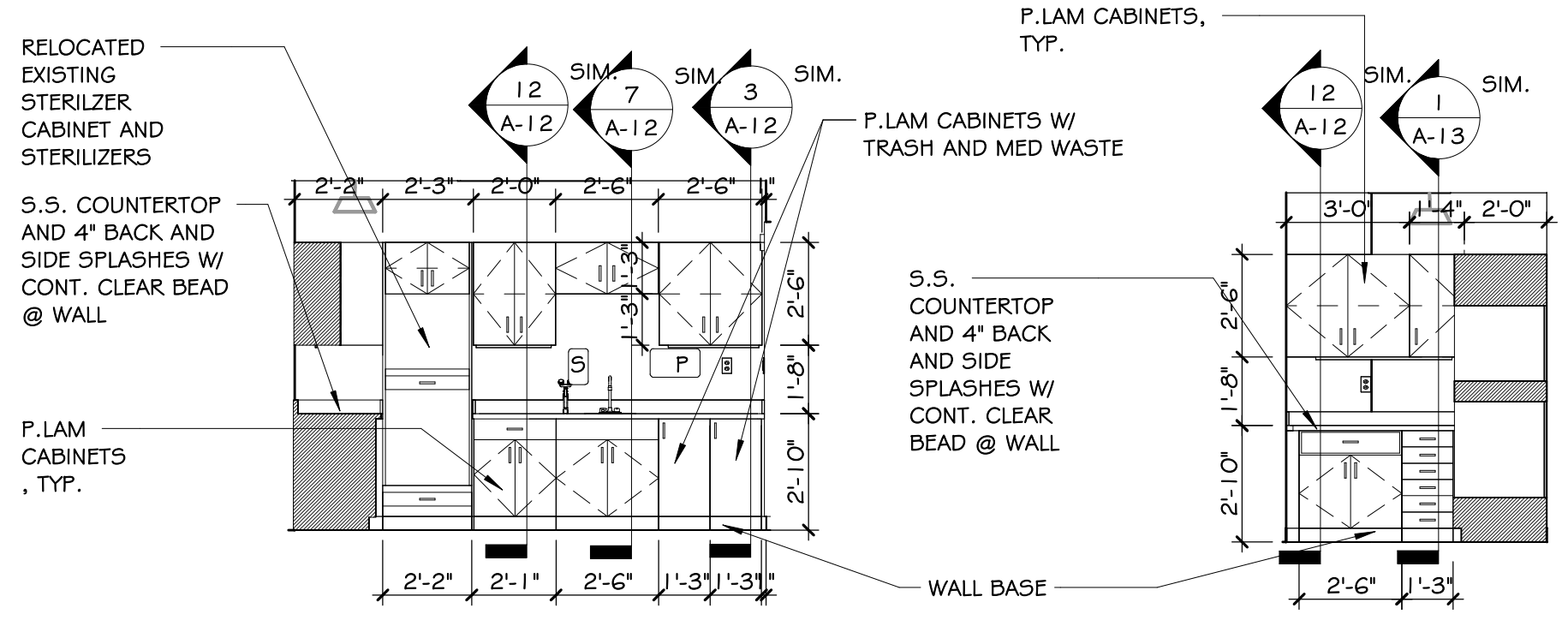
11 CABINET SECTION - S.S. SINK DOORS W/UPPER TRAYS
A-12 3/4" = 1'-0"



12 CABINET SECTION - S.S. DOORS/ DRAWERS
A-12 3/4" = 1'-0"

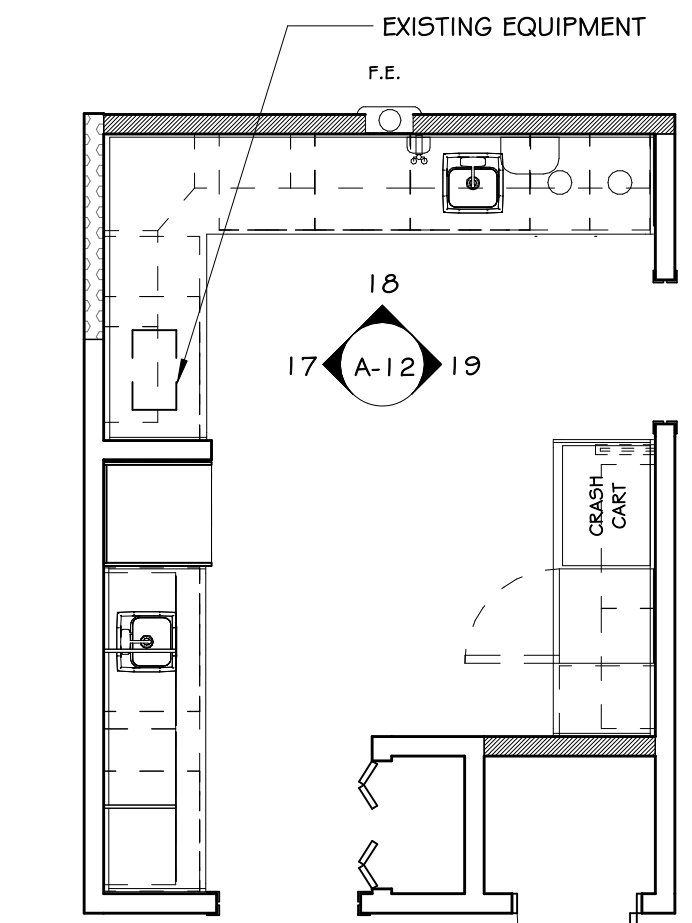


13 PLAN - STERILIZATION (TEMPORARY)
A-12 1/4" = 1'-0"

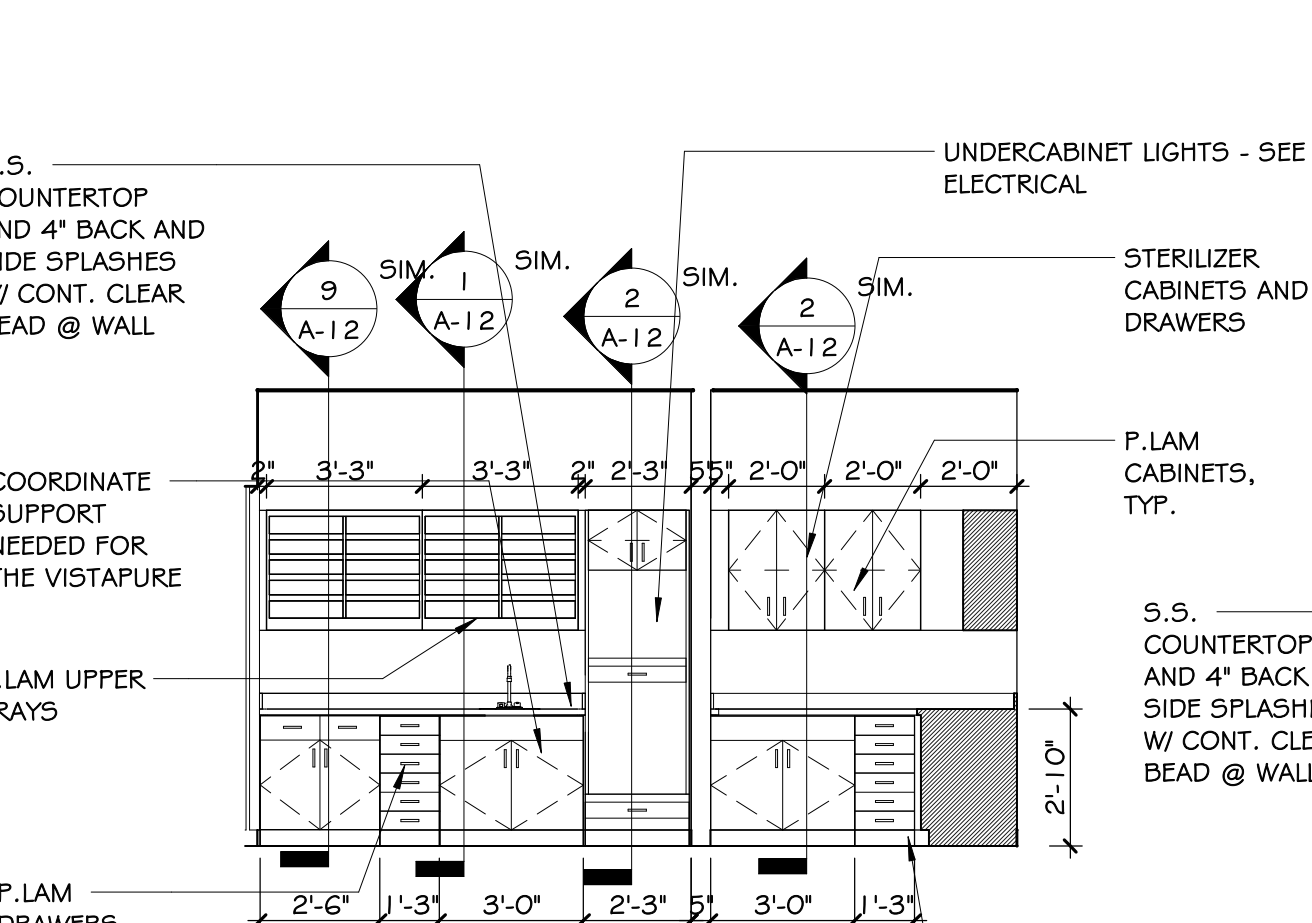


14 ELEVATION-STERILIZATION V1
A-12 1/4" = 1'-0"

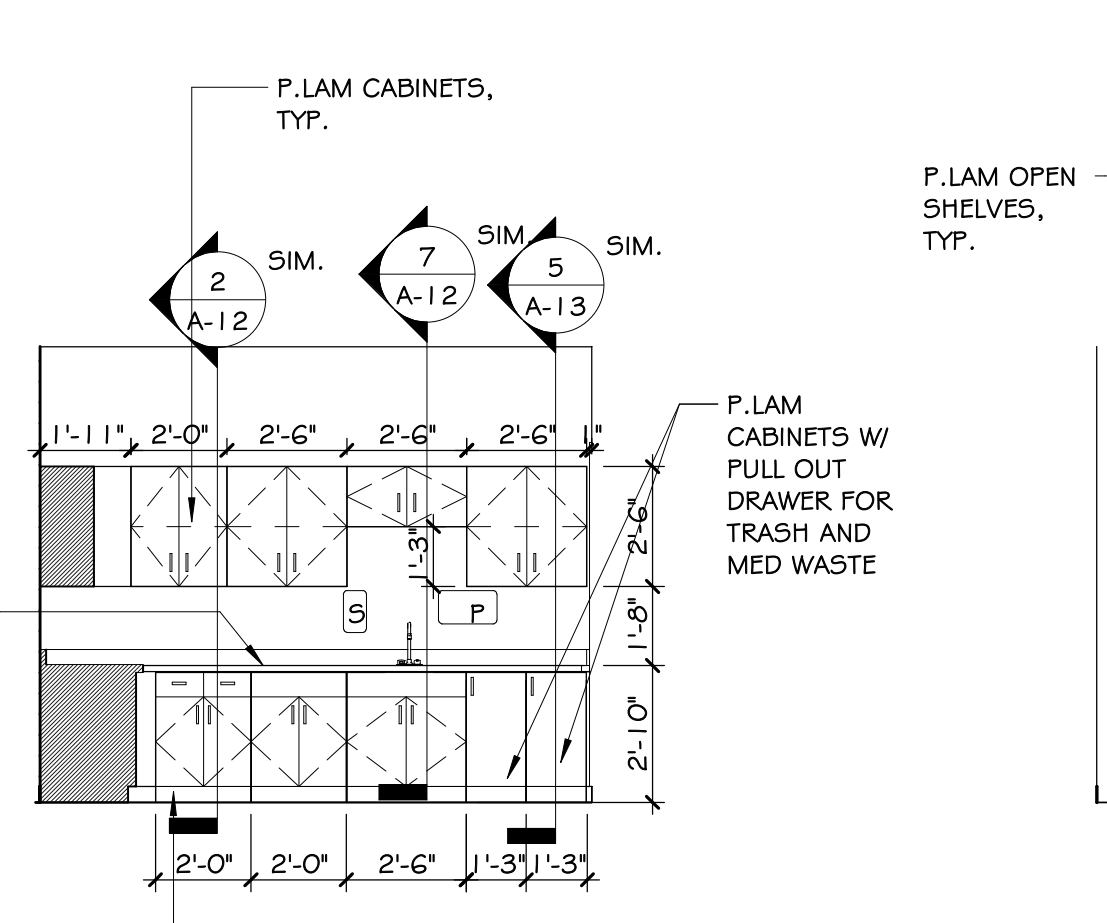
15 ELEVATION-STERILIZATION V2
A-12 1/4" = 1'-0"



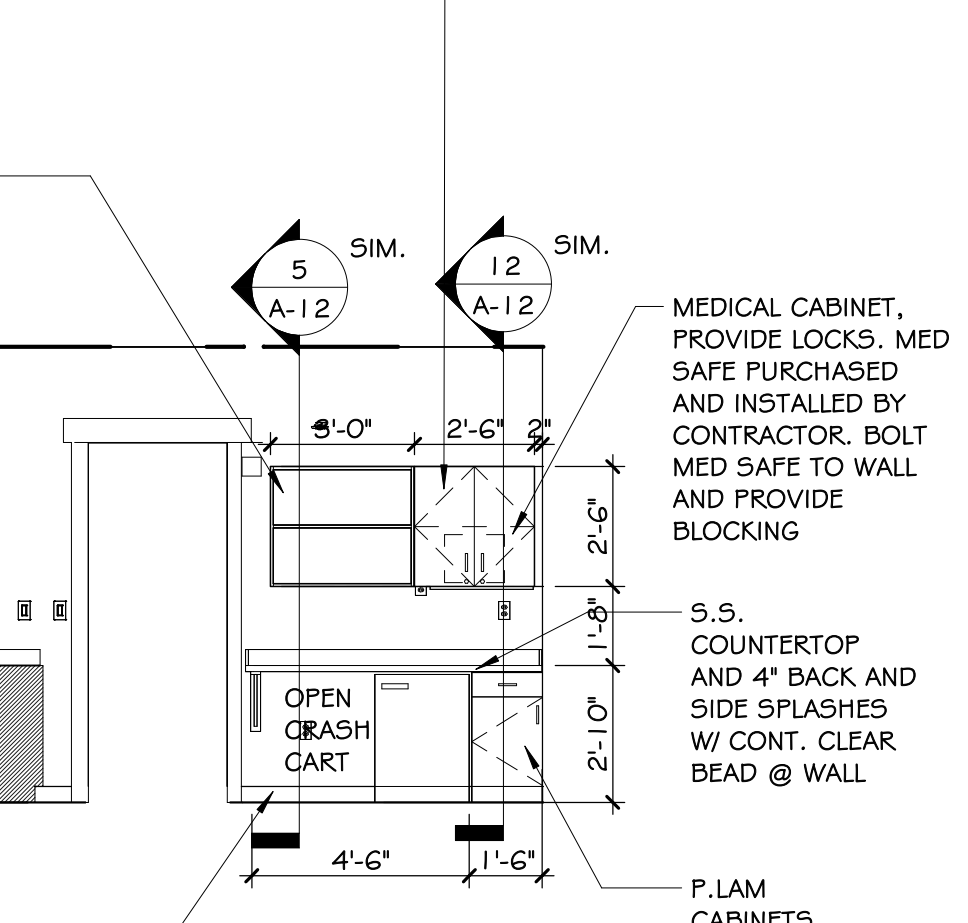
16 PLAN - STERILIZATION (PHASE TWO)
A-12 1/4" = 1'-0"



17 ELEVATION - STERILIZATION (PHASE TWO)
A-12 1/4" = 1'-0"



18 ELEVATION - STERILIZATION (PHASE TWO).
A-12 1/4" = 1'-0"



19 ELEVATION-STERILIZATION (PHASE TWO).
A-12 1/4" = 1'-0"

NOTE:
SS= SOLID SURFACE MATERIAL

MED SAFE:
V-LINE NARCOTICS SECURITY BOXES (14.125' X 8.5' X 8.75")
UMF MEDICAL NARCOTIC CABINET 7781 (8.13'D X 15'H X 12.125W)
HARLOFF NARCOTICS CABINET NC12C16-5T2 (15' X 8' X 12')

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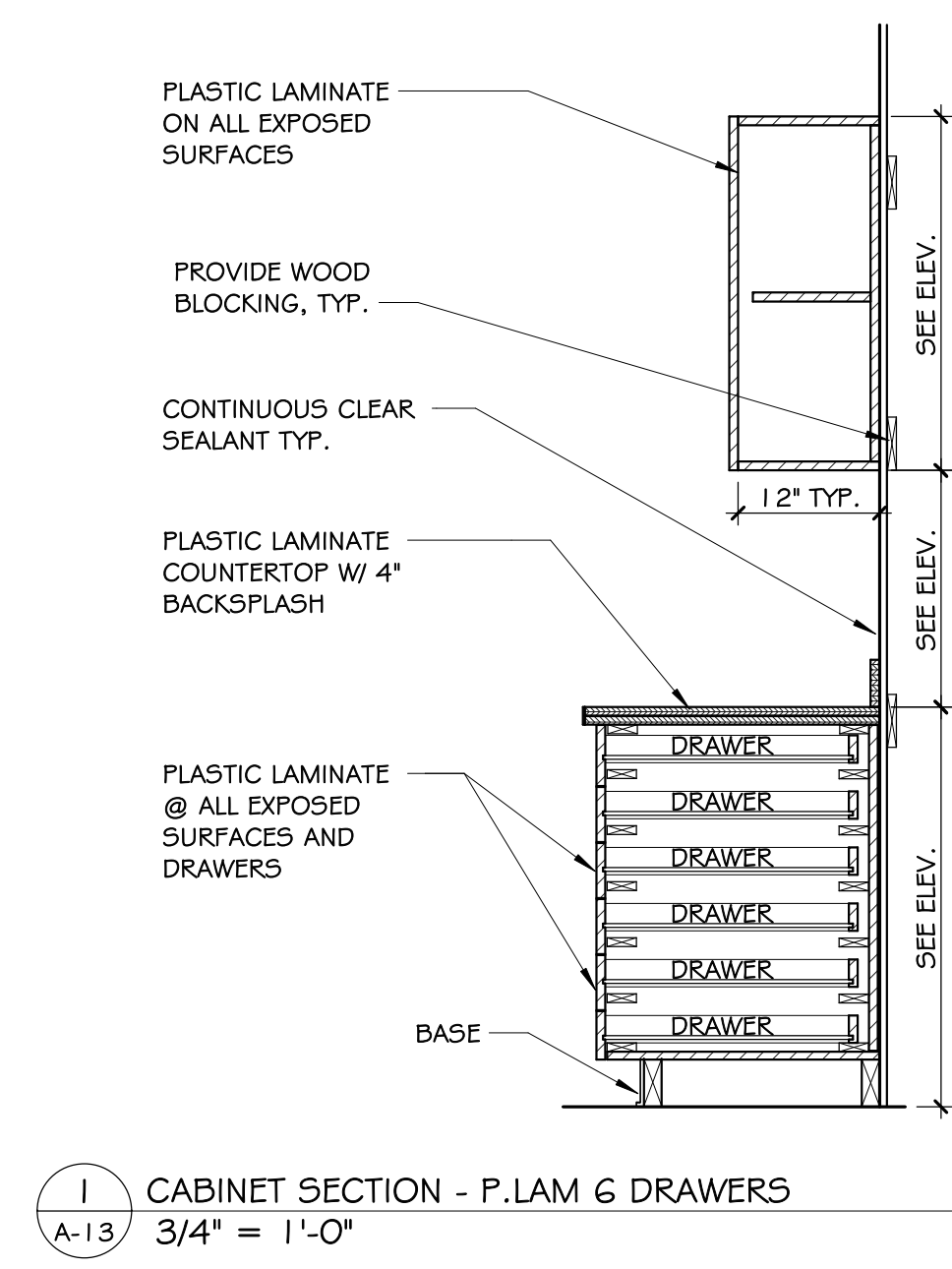
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03/12/26	EMM	EMM	04/09/26	EMM	EMM

DESCRIPTION
CONSTRUCTION DOCUMENTATION
ADDENDUM NO. 1

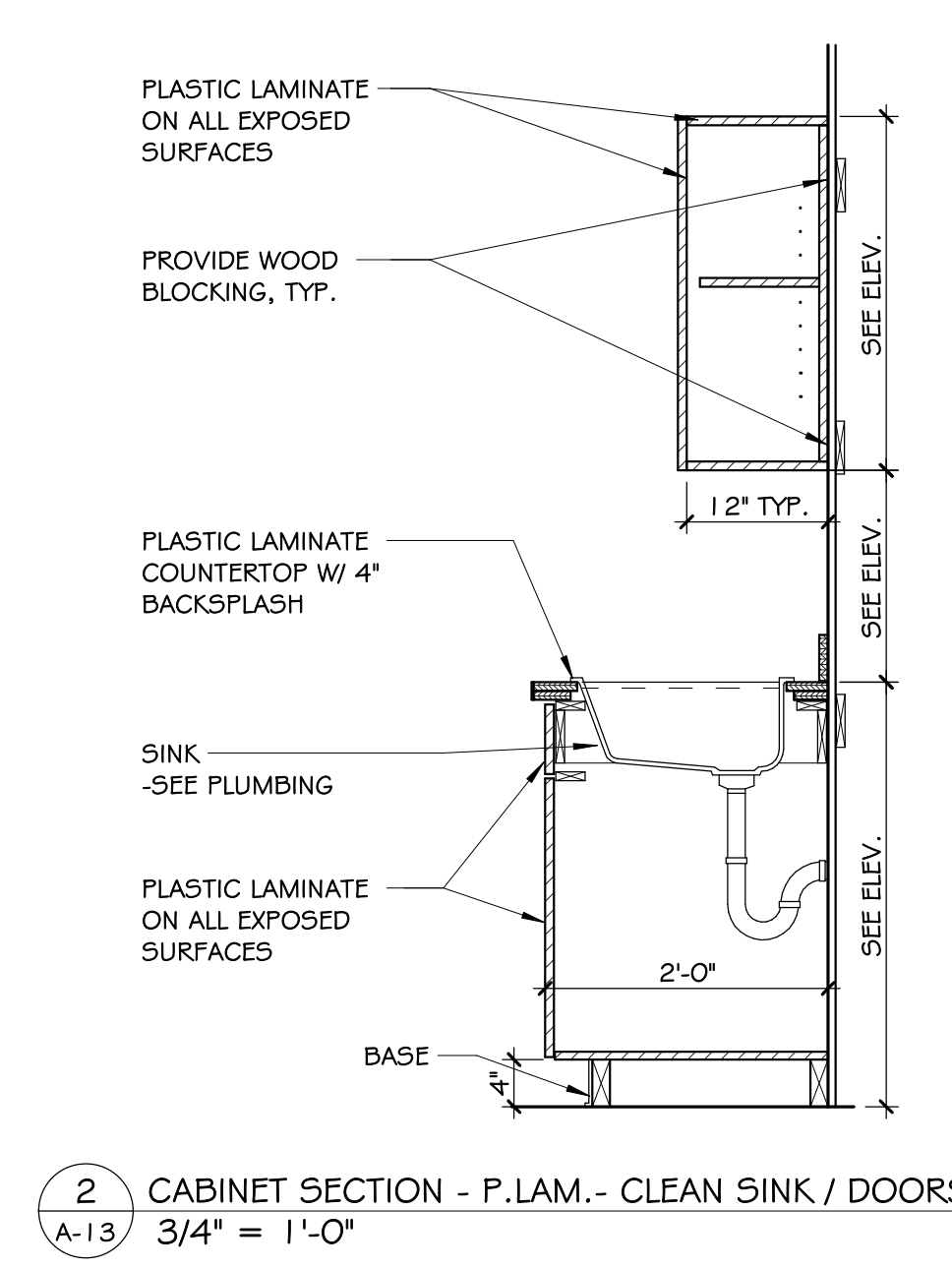
HOPKIN ORAL SURGERY EXPANSION
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1377 E 3900 S
SALT LAKE CITY, UTAH

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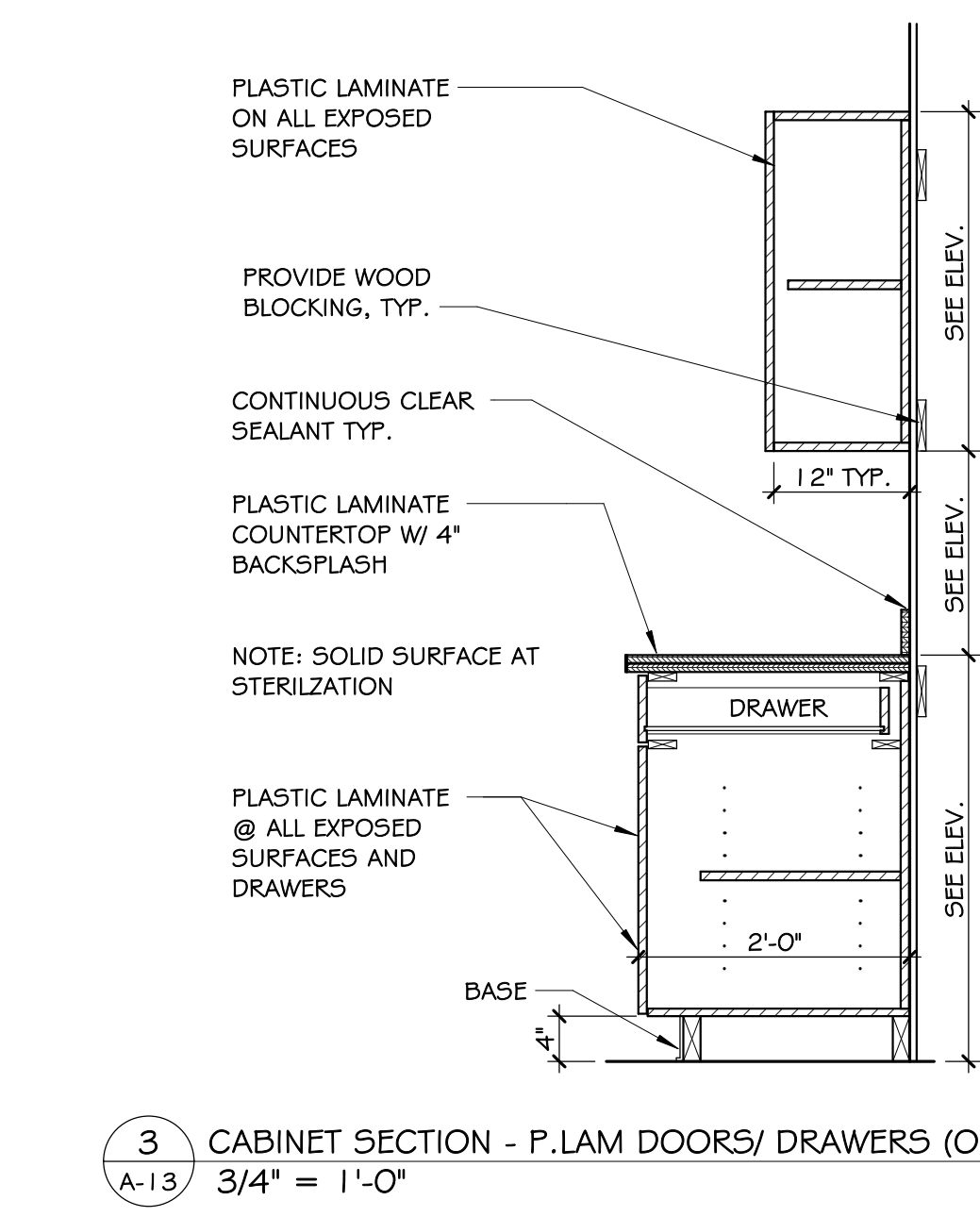
ENLARGED PLANS,
ELEV. & DETAILS 3
DRAWN BY: EMM
DATE: 03/12/26
PROJECT NO: 2025.79
A-12



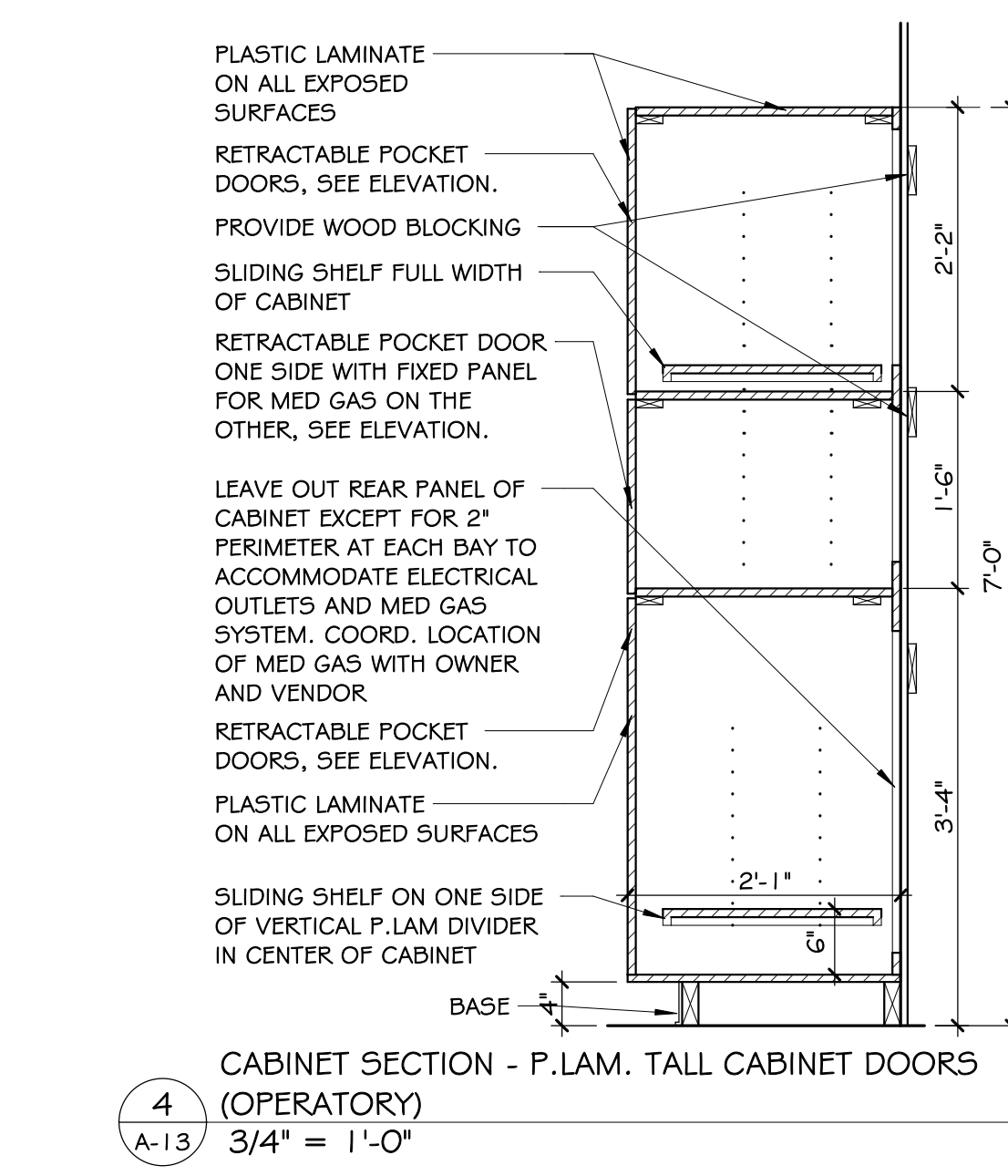
1 CABINET SECTION - P.LAM & DRAWERS
A-13 3/4" = 1'-0"



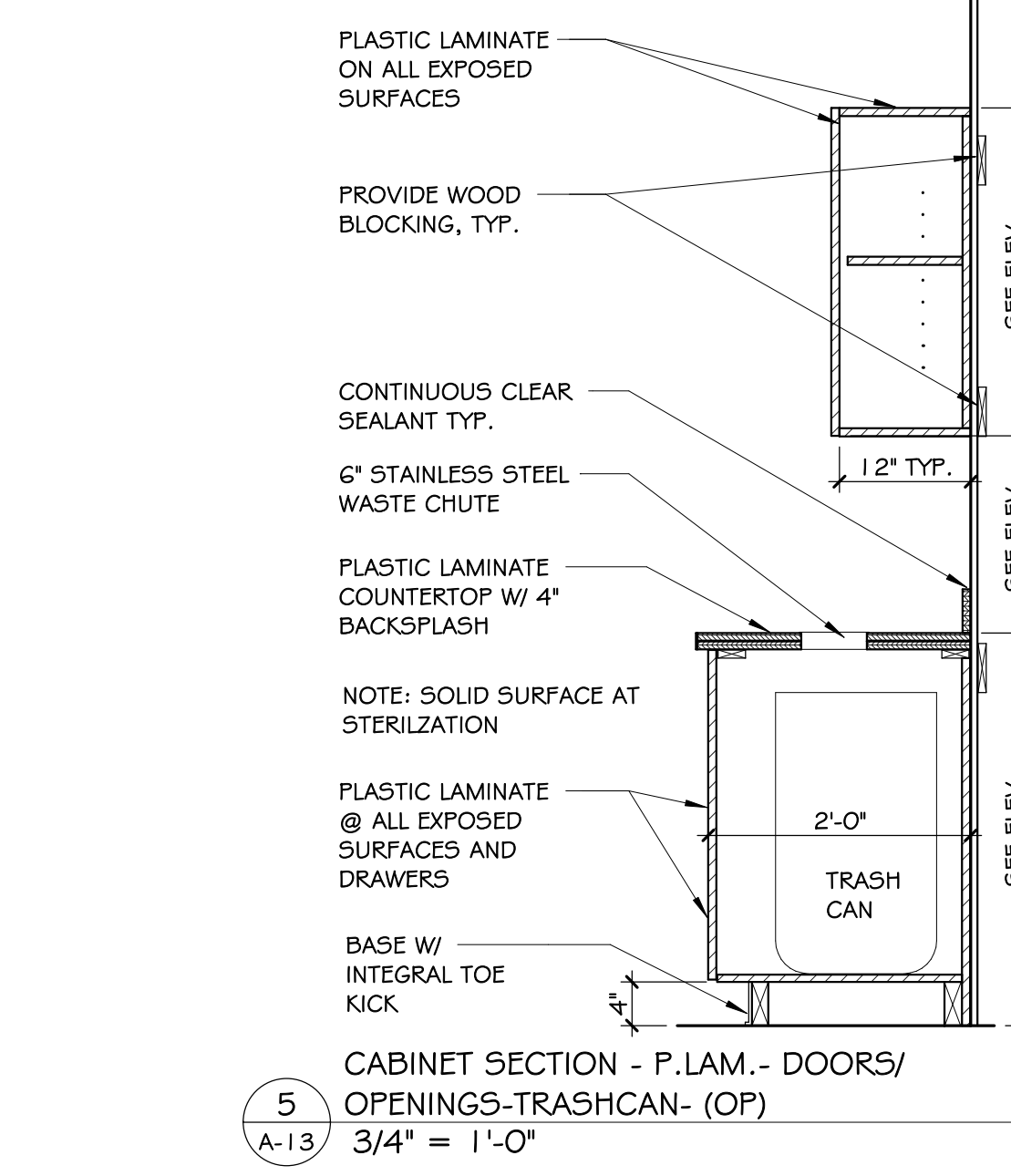
2 CABINET SECTION - P.LAM.- CLEAN SINK / DOORS
A-13 3/4" = 1'-0"



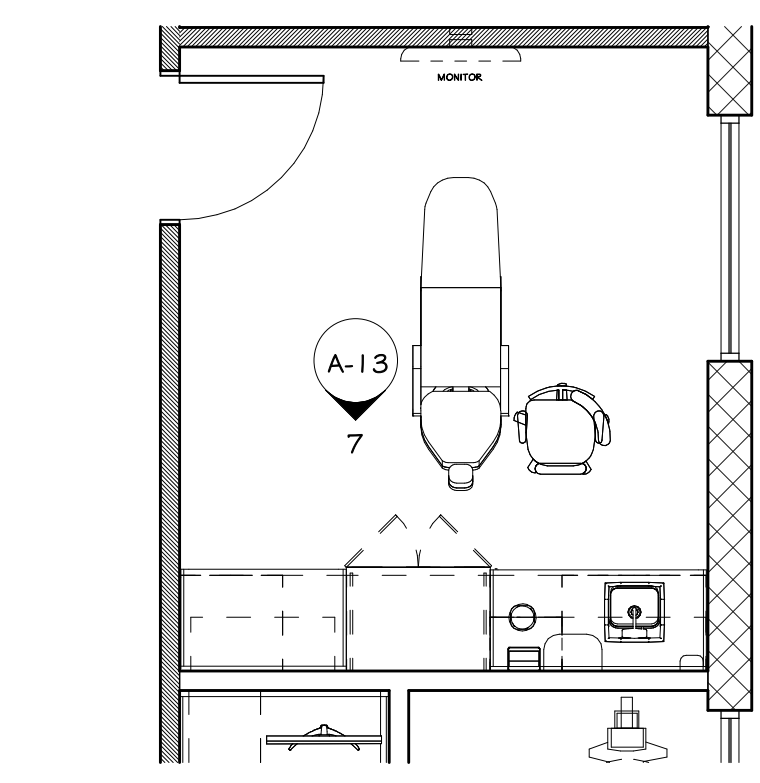
3 CABINET SECTION - P.LAM DOORS/ DRAWERS (OP)
A-13 3/4" = 1'-0"



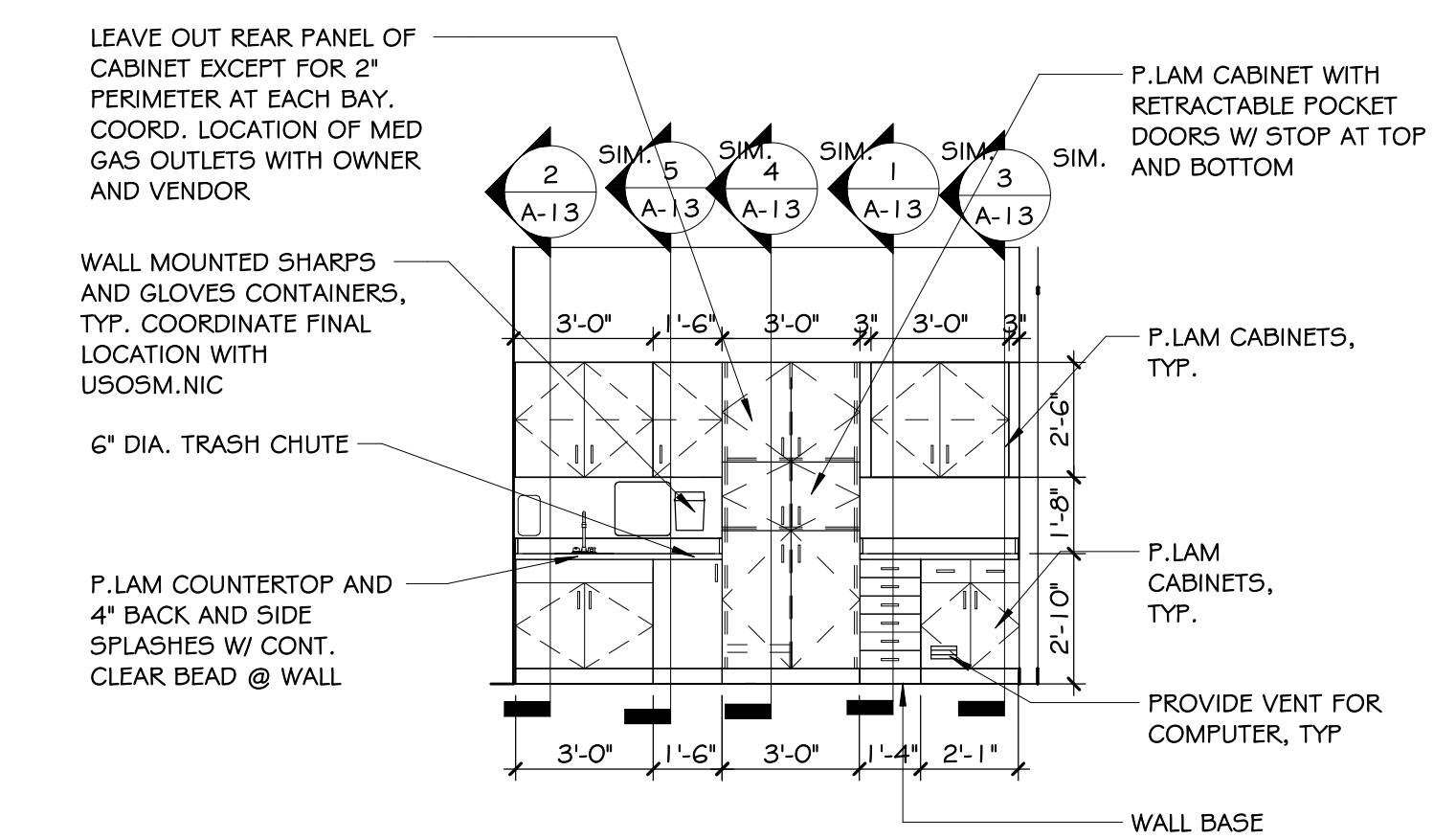
4 CABINET SECTION - P.LAM. TALL CABINET DOORS (OPERATORY)
A-13 3/4" = 1'-0"



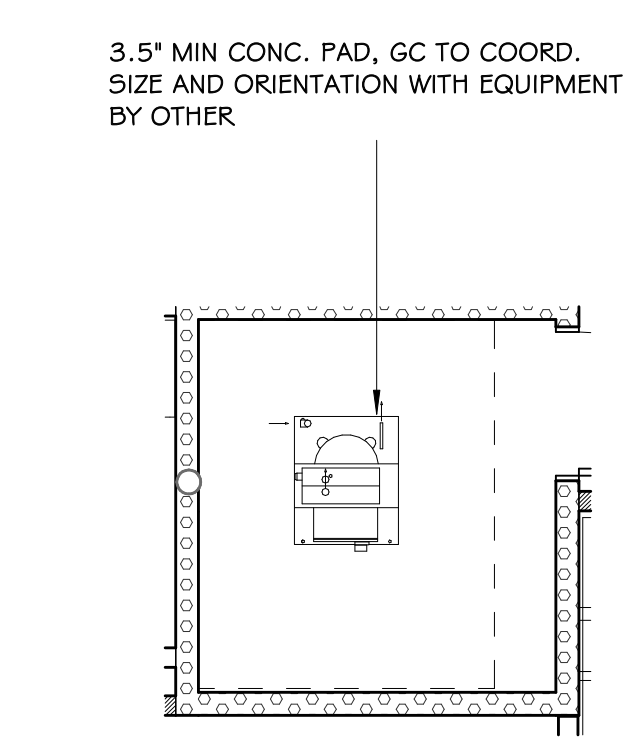
5 CABINET SECTION - P.LAM.- DOORS/ OPENINGS-TRASHCAN- (OP)
A-13 3/4" = 1'-0"



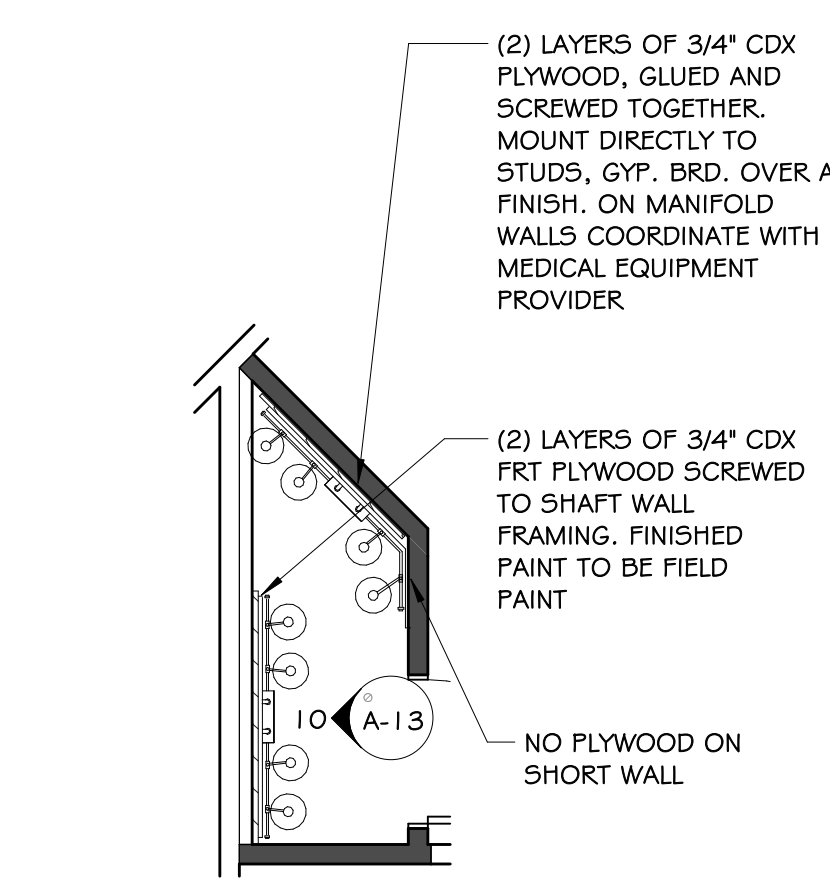
6 PLAN- OPERATORY RM.
A-13 1/4" = 1'-0"



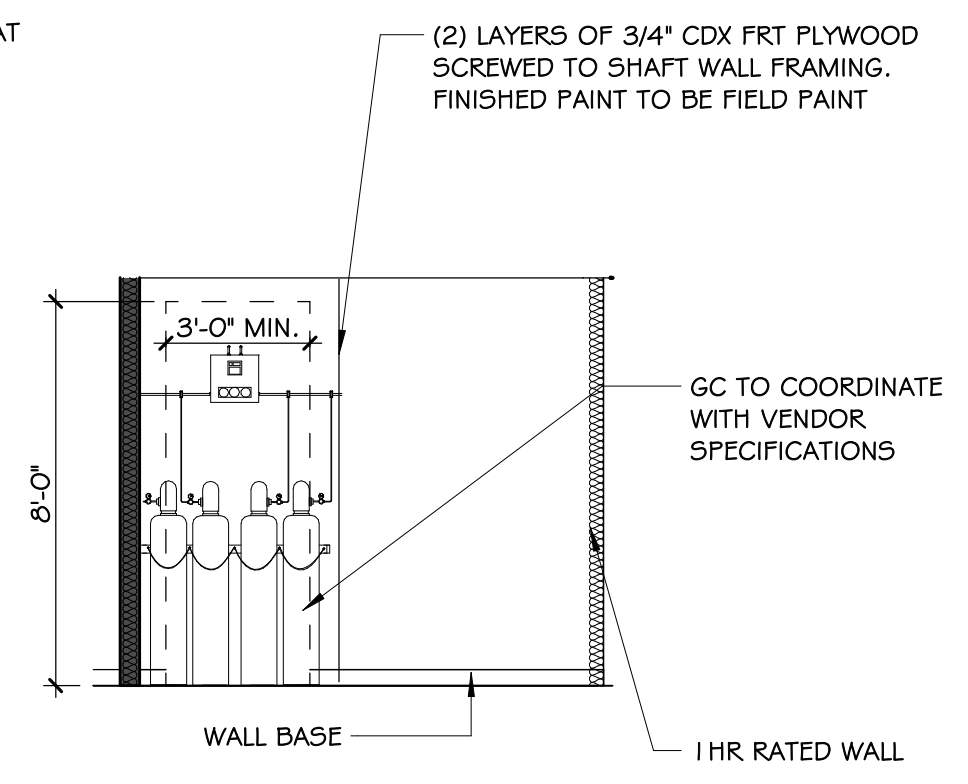
7 ELEVATION- OPERATORY TYP.
A-13 1/4" = 1'-0"



8 PLAN- VACCUUM PUMP
A-13 1/4" = 1'-0"



9 PLAN- MED GAS
A-13 1/4" = 1'-0"



10 ELEVATION-MED GAS
A-13 1/4" = 1'-0"

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04/09/26	EMM	EMM	EMM

DESCRIPTION
CONSTRUCTION DOCUMENTATION
ADDENDUM NO. 1

HOPKIN ORAL SURGERY EXPANSION

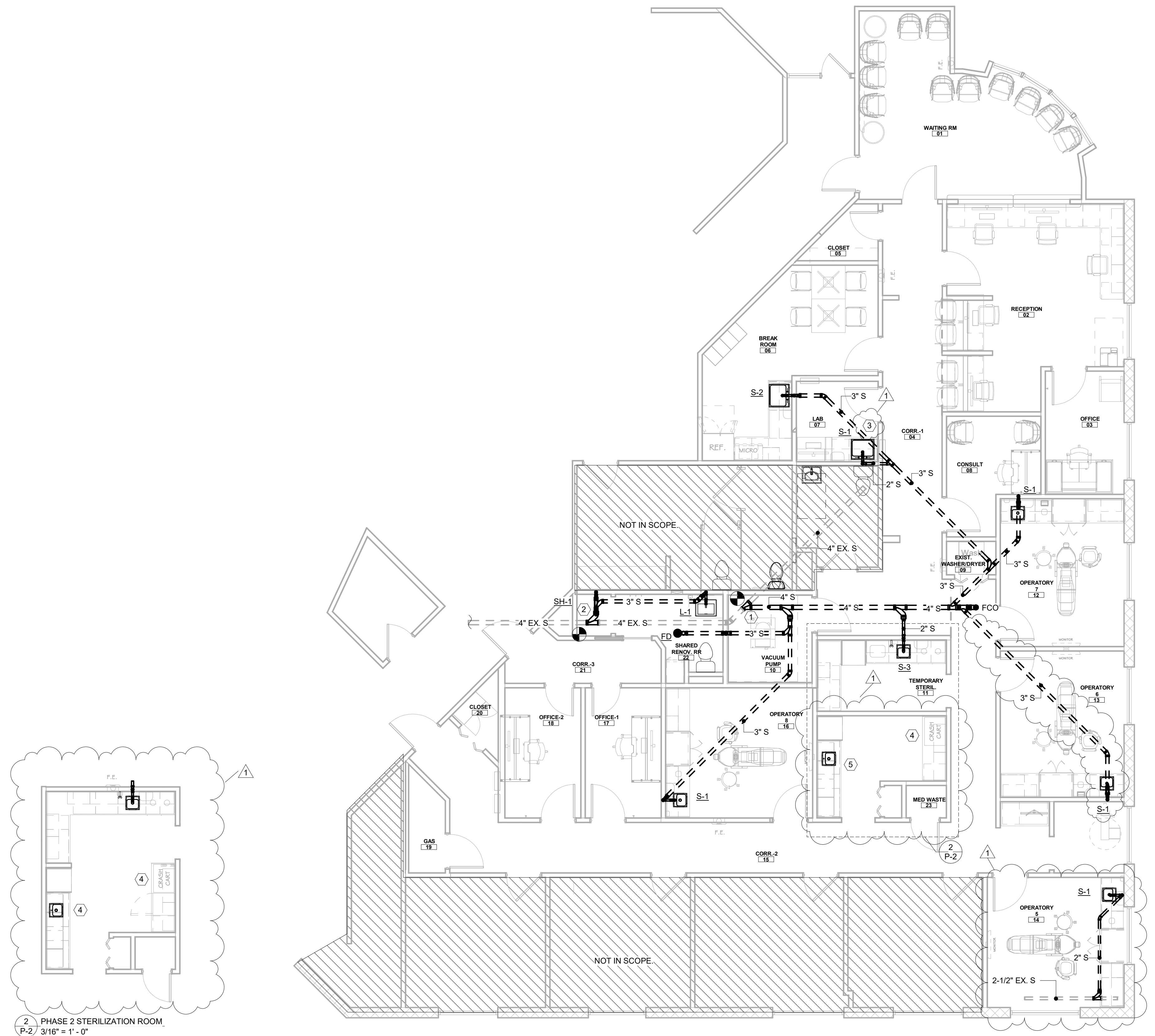
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ENLARGED PLANS,
ELEV. & DETAILS 4

DRAWN BY: EMM
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO: **A-13**

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1 PLUMBING - DW&V
P-2 3/16\" = 1'-0"

2 PHASE 2 STERILIZATION ROOM
P-2 3/16\" = 1'-0"

GENERAL NOTES:

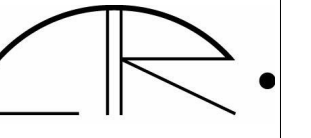
- LOCATE ALL UNDERGROUND PIPING MAINS AWAY FROM ALL COLUMN FOOTINGS AND FOUNDATIONS. COORDINATE WITH STRUCTURAL UNDERGROUND PRIOR TO ANY INSTALLATION.
- FLOOR CLEANOUTS SHALL BE EXTENDED TO FINISHED GRADE LEVEL.

KEYED NOTES:

- CONNECT TO EXISTING 4\" SANITARY BUILDING MAIN. FIELD VERIFY EXACT LOCATION, DEPTH, & SIZE PRIOR TO START OF CONSTRUCTION.
- CONNECT TO EXISTING 3\" SANITARY BUILDING MAIN. FIELD VERIFY EXACT LOCATION, DEPTH, & SIZE PRIOR TO START OF CONSTRUCTION.
- PLASTER TRAP AT S-1 P-TRAP. BY OTHERS. COORDINATE EXACT LOCATION WITH MEDICAL EQUIPMENT PROVIDER.
- DEMOLISH EXISTING SINK. CAP EXISTING SANITARY.
- REMOVE EXISTING DIRTY SINK AND INSTALL NEW CLEAN SINK.



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(770)-495-4007
Fla. Cert. Of Arch. No. 2295C1

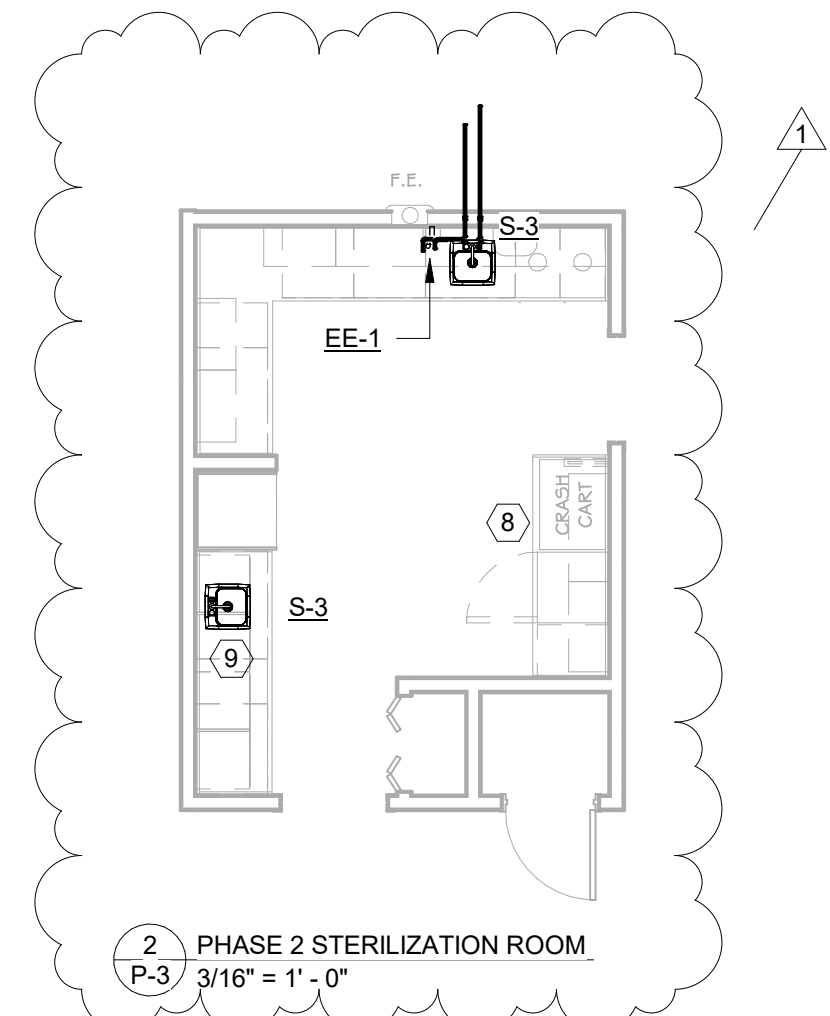
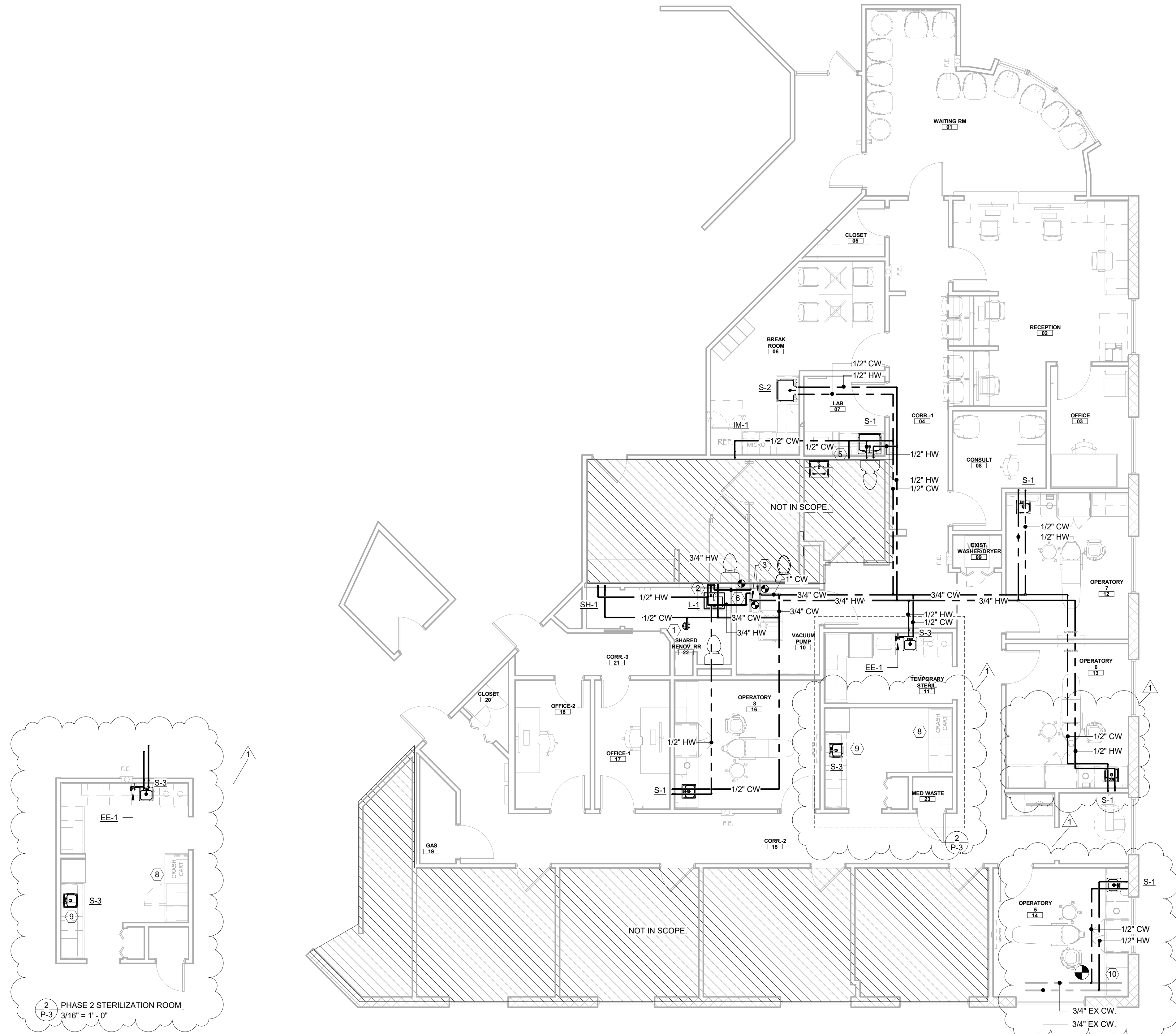
DATE	DRWN	CHGD	RFS	HSF	RFS
03/12/26			HSF		
04/09/26			HSF		

HOPKIN ORAL SURGERY EXPANSION
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04/16/2026

FLOOR PLAN -
PLUMBING - DW&V

DRAWN BY: HSF
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO:
P-2



1 PLUMBING - SUPPLY
P-3 3/16" = 1'-0"

2 PHASE 2 STERILIZATION ROOM
P-3 3/16" = 1'-0"

GENERAL NOTES:

- LOCATE ALL UNDERGROUND PIPING MAINS AWAY FROM ALL COLUMN FOOTINGS AND FOUNDATIONS. COORDINATE WITH STRUCTURAL UNDERGROUND PRIOR TO ANY INSTALLATION.
- NEW OR REPAIRED POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE WHENEVER REQUIRED BY THE AUTHORITY HAVING JURISDICTION. THE METHOD TO BE FOLLOWED SHALL BE THAT PRESCRIBED BY HEALTH AUTHORITY OR, IN CASE NO METHOD IS PRESCRIBED BY IT, THE FOLLOWING:
 - THE SYSTEM OR PARTS THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING AT LEAST FIFTY (50) PARTS PER MILLION OF CHLORINE, AND THE SYSTEM OF PART THEREOF SHALL BE VALVED-OFF AND ALLOWED TO STAND FOR TWENTY-FOUR (24) HOURS. OR, THE SYSTEM OR PART THEREOF SHALL BE FILLED WITH A WATER-CHLORINE SOLUTION CONTAINING AT LEAST TWO HUNDRED (200) PARTS PER MILLION OF CHLORINE AND ALLOWED TO STAND FOR THREE (3) HOURS.
 - THE FOLLOWING ALLOWED STANDING TIME. THE SYSTEM SHALL BE FLUSHED WITH CLEAN, POTABLE WATER UNTIL THE CHLORINE RESIDUAL IN THE WATER COMING FROM THE SYSTEM DOES NOT EXCEED THE CHLORINE RESIDUAL IN THE FLUSHING WATER.
 - THE PROCEDURE SHALL BE REPEATED IF IT IS SHOWN BY BACTERIOLOGICAL EXAMINATION MADE BY AN APPROVED AGENCY THAT CONTAMINATION PERSISTS IN THE SYSTEM.
- PROVIDE ISOLATION SHUT OFF VALVES ON ALL BRANCH LINES.

KEYED NOTES:

- TRAP PRIMER SEE DETAIL 4/P-6.
- ROUTE HW LOOP DOWN IN WALL. CONNECT 1/2" HW TO LAVATORY. PIPING TO BE WITHIN 2'-0" OF LAVATORY.
- CONNECT NEW 1" CW & 3/4" HW TO EXISTING 1" CW/HW. DOWNSTREAM OF EXISTING HOUSE METER AND PRIOR TO ANY CONNECTION TO FIXTURES. FIELD VERIFY EXACT LOCATION & SIZE PRIOR TO START OF CONSTRUCTION.
- 1/2" CW TO VISTAPURE BY OTHERS. PROVIDE INLINE BACKFLOW PREVENTOR DOUBLE CHECK. (INSTRUMENT WASHER & STERILIZER). INCLUDE WAND FOR STERILIZER & INSTRUMENT WASHER ADAPTER KIT.
- 1/2" CW TO MODEL TRIMMER.
- KEMPER FLOW SPLITTER 6512002500. PROVIDE NEW HW LOOP AS SHOWN. CONNECT BACK TO FLOW SPLITTER. 1" X 3/4".
- 1/2" HW TO DISHWASHER. PROVIDE WATER HAMMER ARRESTOR. CONNECT DRAIN TO SINK P-TRAP.
- DEMOLISH EXISTING SINK. CAP EXISTING DOMESTIC WATER.
- REMOVE EXISTING DIRTY SINK AND INSTALL NEW CLEAN SINK.
- CONNECT NEW 1/2" HW/CW TO EXISTING 3/4" CW/HW AT THIS APPROXIMATE LOCATION.



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DATE	DRWN	CHKD	RFPS	HSF	RFPS
03/12/26					
04/09/26					

HOPKIN ORAL SURGERY EXPANSION
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SALT LAKE CITY, UTAH

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04/16/2026

FLOOR PLAN - PLUMBING - SUPPLY

DRAWN BY: HSF
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO:
P-3

4/16/2026 12:13:13 PM
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MEDICAL GAS SPECIFICATIONS & NOTES

MEDICAL GASES

DESCRIPTION

THIS SECTION INCLUDES PROVISIONS FOR MEDICAL GAS AND VACUUM SYSTEMS AND ALL COMPONENTS AND ELEMENTS CONTAINED THEREIN PER NFPA 99 AND CSA Z305.1. EQUIPMENT INSTALLER, MEDICAL GAS EQUIPMENT INSTALLER CERTIFICATION AS REQUIRED ACCORDING TO STATE LAW. PROVIDE DOCUMENTATION UPON COMPLETION OF THE INSTALLATION TO INCLUDE A LIST OF THE NAMES OF INDIVIDUALS PERFORMING WORK AND A COPY OF THE INSTALLING AGENCY'S CURRENT GENERAL LIABILITY AND COMPLETED OPERATIONS POLICIES.

A. CENTRAL MEDICAL GAS AND VACUUM SYSTEMS: CONSISTING OF OXYGEN, VACUUM AND ANESTHESIA EVACUATION SYSTEMS; COMPLETE, READY FOR OPERATION, INCLUDING ALL NECESSARY PIPING, FITTINGS, VALVES, CABINETS, STATIONS OUTLETS AND INLETS, ROUGH-INS, GAUGES, ALARMS PANELS, AND CYLINDER MANIFOLDS FOR COMPLETE AND OPERATIONAL SYSTEMS.

B. NITROGEN CONTROL CABINET FOR TOOL PRESSURE REGULATION.

C. VACUUM & WASTE GAS EVACUATION (WAGD) SYSTEMS: READY FOR CONNECTION.

QUALITY ASSURANCE

A. MATERIALS AND INSTALLATION: IN ACCORDANCE WITH NFPA 50 AND 99, AND AS SPECIFIED.

B. EQUIPMENT INSTALLER, MEDICAL GAS EQUIPMENT INSTALLER CERTIFICATION AS REQUIRED ACCORDING TO STATE LAW. PROVIDE DOCUMENTATION UPON COMPLETION OF THE INSTALLATION TO INCLUDE A LIST OF THE NAMES OF INDIVIDUALS PERFORMING WORK AND A COPY OF THE INSTALLING AGENCY'S CURRENT GENERAL LIABILITY AND COMPLETED OPERATIONS POLICIES.

C. EQUIPMENT CERTIFIER: PROVIDE DOCUMENTATION UPON COMPLETION OF THE TESTING TO INCLUDE ALL TEST RESULTS, THE NAMES OF INDIVIDUALS PERFORMING WORK FOR THE TESTING AGENCY ON THIS PROJECT, A COPY OF THE TESTING AGENCY'S CURRENT GENERAL LIABILITY AND COMPLETED OPERATIONS POLICIES AND A CERTIFICATION THAT ALL RESULTS OF TESTS WERE WITHIN LIMITS ALLOWED BY THIS SPECIFICATION.

SUBMITTALS: FURNISH THE FOLLOWING AS ONE PACKAGE:

- A. MANUFACTURER'S LITERATURE AND DATA WITH WARRANTY STATEMENTS (AS APPLICABLE):
1. PIPING
 2. VALVES
 3. VALVE BOXES
 4. STATION OUTLETS, INLETS, AND ROUGH-IN ASSEMBLIES & VACUUM BOTTLE BRACKETS
 5. NITROGEN CONTROL CABINET FOR TOOL PRESSURE REGULATION
 6. OR CEILING SERVICES (COLUMNS) IF REQUIRED
 7. MAIN LINE GAUGES
 8. ALARM CONTROLS AND PANELS
 9. SWITCHES (PRESSURE AND VACUUM)
 10. MANIFOLDS
 11. MEDICAL VACUUM SYSTEMS

REFERENCES

- A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) B16.22-80 "WROUGHT COPPER AND BRONZE SOLDER-JOINT PRESSURE FITTINGS"
- B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
1. B88-83 "SEAMLESS COPPER WATER TUBE"
 2. B280-83 "SEAMLESS COPPER TUBE FOR AIR CONDITIONING AND REFRIGERATION SERVICE"
- C. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME):
1. BOILER AND PRESSURE VESSEL CODE
 2. SECTION VIII "PRESSURE VESSELS, DIVISION I"
- D. AMERICAN WELDING SOCIETY (AWS) A5.8-81 "BRAZING FILLER METAL"
- E. COMPRESSED GAS ASSOCIATION (CGA):
1. G-10.1-85 "COMMODITY SPECIFICATION FOR NITROGEN"
 2. P-9-80 "THE INERT GASES ARGON, NITROGEN AND HELIUM"
 3. V-5-78 "DIAMETER INDEX SAFETY SYSTEM (NON-INTERCHANGEABLE LOW PRESSURE CONNECTIONS FOR MEDICAL GAS APPLICATIONS)"
- F. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
1. 50-1985 "BULK OXYGEN SYSTEMS AT CONSUMER SITES"
 2. 99-1996 "HEALTH CARE FACILITIES"
- G. UNITED STATES PHARMACOPEIA XXII NATIONAL FORMULARY XVI (USP-NF)

SYSTEM COMPONENTS

- A. TYPE "K" OR "L", ASTM B88, OR SEAMLESS ACR, ASTM B280, COPPER TUBE, HARD DRAWN TEMPER, WITH WROUGHT COPPER FITTINGS CONFORMING TO ANSI B16.22 BRAZED JOINTS, SIZE DESIGNATED REFLECTING NOMINAL INSIDE DIAMETER.
- B. ALL TUBING AND FITTINGS SHALL BE LABELED "ACROXY", "OXY" OR "NITROGENIZED". IF NOT LABELED AS SUCH, PERFORM CLEANING AT SITE PER PARAGRAPH, "CLEANING OF PIPING, VALVES AND FITTINGS" IN THIS SECTION.
- C. BRAZING ALLOY: AWS A5.8, CLASSIFICATION BCuP, GREATER THAN 1000°F MELTING TEMPERATURE. FLUX IS STRICTLY PROHIBITED FOR COPPER-TO-COPPER CONNECTIONS.
- D. CONTRACTOR TO PROVIDE ALTERNATIVE PRICING UTILIZING CORRUGATED MEDICAL TUBING IN LIEU OF COPPER. SEE BELOW FOR SPECIFICATION:

CORRUGATED MEDICAL TUBING (CMT) FLEXIBLE MEDICAL GAS PIPING

- A. MEDTRAC FLEXIBLE CORRUGATED MEDICAL TUBING (CMT) SYSTEM AS MANUFACTURED BY OMEGAFLEX. CORRUGATED COPPER ALLOY TUBING WITH AXIALLY SWAGED BRASS FITTINGS EQUIPPED WITH A STAINLESS STEEL ANTI-TAMPER SLEEVE AND COPPER TUBE STUB, PROVIDING EASY ATTACHMENT TO TRADITIONAL COPPER TUBE SYSTEMS AND DIRECT CONNECTION TO PIPING SYSTEM COMPONENTS.
1. STANDARDS COMPLIANCE LISTINGS:
 - A. UL LISTED: MH64301 TO UL SUB 1365
 - B. UL THROUGH PENETRATION RATINGS: W-L-1604 AND C-AJ-1751.
 2. ICC SEISMICALLY QUALIFIED PER ICC-ES AC156; TESTING PROTOCOL PER ICC-ESR-4565.
 - A. THE SEISMIC CERTIFICATIONS ARE CONSISTENT WITH THE TECHNICAL REQUIREMENTS OF THE MAJOR US SEISMIC CODES AND STANDARDS INCLUDING: INTERNATIONAL BUILDING CODE (IBC-17), FEMA 461, THE CITY OF LOS ANGELES DEPARTMENT OF BUILDING SAFETY, AND THE STATE OF CALIFORNIA DIVISION OF STATE ARCHITECT AND HCAL.
 3. MINIMUM DESIGN SAFETY FACTOR: 3.5 TIMES THE MAXIMUM OPERATING PRESSURE PER NFPA 99-2018 OR NEWER SECTION 5.1.10.1.4 (2).
 4. MAXIMUM CONTINUOUS USE OPERATING PRESSURE: 185 PSIG (1275.5 KPA).
 5. MAXIMUM CONTINUOUS USE OPERATING TEMPERATURE: 250 DEGREES F (121 DEGREES C).
 6. EMERGENCY TEMPERATURE EXPOSURE LIMIT: 1000 DEGREES F (538 DEGREES C).

MANUFACTURERS:

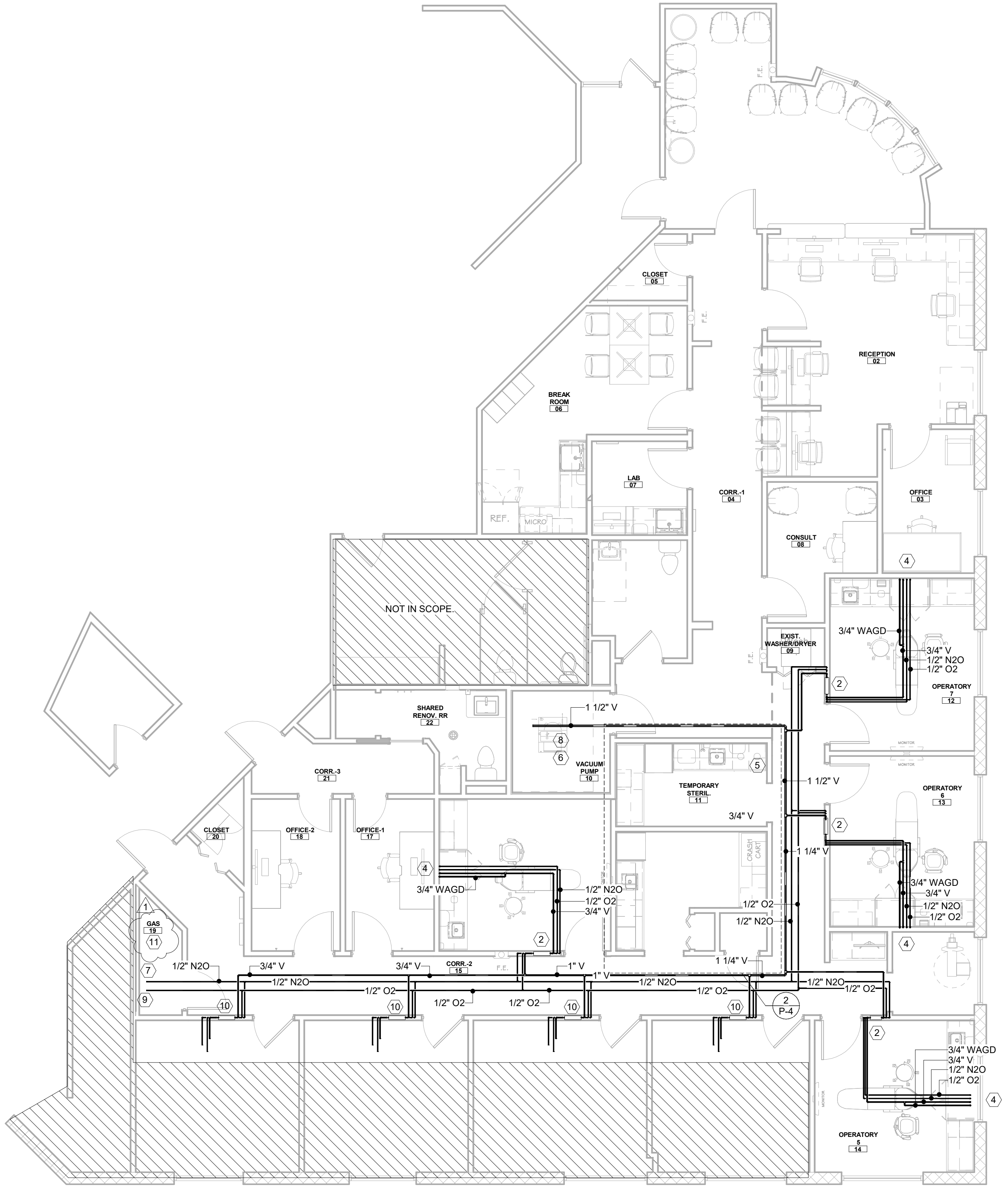
A. ALL SYSTEM COMPONENTS SHALL BE SUPPLIED BY ONE MANUFACTURER. ALTERNATE MANUFACTURERS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BID.

PRODUCTS:

- A. ALL PRODUCTS SHALL BE NFPA 99 CODE COMPLIANT IN EVERY RESPECT.
- B. MEDICAL GAS OUTLETS SHALL BE MEDICAL TYPE QUICK-CONNECT OUTLETS FOR WALL MOUNTED APPLICATIONS, MOUNTED 5" O.C.
- C. ALL WALL MOUNTED VACUUM OUTLETS SHALL BE PROVIDED WITH AN ADJACENT VACUUM BOTTLE SLIDE.
- D. VALVES SHALL BE BALL-TYPE, IN-LINE, FULL PORT, QUARTER TURN, 600 PSI WOG, CLEANED FOR O2 SERVICE.
- E. ZONE VALVE BOXES SHALL BE CAPABLE OF ACCEPTING VALVES UP TO 1-1/2" IN A BOX THAT CAN BE USED IN A STANDARD 3-5/8" STUD WALL.
- F. MASTER AND AREA ALARM SYSTEM SHALL BE DIGITAL, ADDRESSABLE, ACCEPTING INPUT FROM EITHER SWITCHES OR SENSORS, LOCATED AS SHOWN ON PLANS. THE PANELS SHALL BE CAPABLE OF DISPLAYING ACTUAL LINE PRESSURES WITH INPUT FROM SENSORS. PANELS SHALL BE PRE-ASSEMBLED WITH LINE PRESSURE/VACUUM SENSORS, TO BE PIPED BACK TO THE LINES BEING MONITORED.
1. MASTER ALARM INPUT DEVICES
 - (A) PRESSURE SENSOR SHALL BE USED ON PRESSURE LINES FOR O2
 - (B) VACUUM SENSOR SHALL BE USED ON VACUUM LINES.
 2. EACH SENSOR SHALL BE SUPPLIED WITH A GAS SPECIFIC ROUGH-IN ASSEMBLY WHICH ALLOWS REMOVAL / REPLACEMENT WITHOUT OPENING THE LINE BEING MONITORED.
 3. MASTER ALARM SIGNAL WIRING SHALL BE PROVIDED UNDER THIS SECTION. MANUFACTURER SHALL PROVIDE PROJECT SPECIFIC WIRING DIAGRAM WITH SUBMITTAL.
 4. WIRING DIAGRAM SHALL INCLUDE CONNECTIONS TO ALL DEVICES REQUIRED.
 5. RESERVE IN USE ALARM SWITCHES AT EACH GAS MANIFOLD.
 6. LAG AND HIGH TEMPERATURE SWITCHES AT THE VACUUM PLANT.
 7. LAG, HIGH TEMPERATURE, CO AND DEW POINT ALARM SWITCHES AT THE AIR PLANT (IF USED)

2 PHASE 2 STERILIZATION ROOM
 P-4 3/16" = 1'-0"

1 PLUMBING - MEDICAL GAS
 P-4 3/16" = 1'-0"



GENERAL NOTES:

1. CAREFULLY COORDINATE PIPE ROUTING WITH HVAC CONTRACTOR AND ALL OTHER TRADES INVOLVED PRIOR TO CONSTRUCTION. ALL FILTERS, EQUIPMENT AND VALVES LOCATED ABOVE CEILING MUST BE ACCESSIBLE.
2. DRAWING INDICATE ROUGH LOCATIONS FOR MEDICAL GASES. INSTALL VACUUM REGULATORS AND O2 FLOW METERS, AS PROVIDED BY MEDICAL EQUIPMENT SUPPLIER, PER MANUFACTURER'S INSTRUCTIONS. FULLY COORDINATE THE EXACT TERMINATING LOCATIONS AND FITTINGS WITH MEDICAL EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION.
3. SEE DRAWINGS P-7 FOR ADDITIONAL NOTES AND SPECIFICATIONS.
4. CONTRACTOR SHALL OBTAIN THE MOST CURRENT INFORMATION / INSTALLATION INSTRUCTIONS FOR PERTINENT MEDICAL EQUIPMENT TO INSURE CORRECT PLUMBING CONNECTION.
5. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND ELEVATIONS OF MEDICAL GAS OUTLETS AND VALVE BOXES. FULLY COORDINATE THESE LOCATIONS WITH MEDICAL EQUIPMENT SUPPLIER PRIOR TO CONSTRUCTION.

KEYED NOTES:

1. OXYGEN, NITROUS OXIDE, & VACUUM VALVES IN NFPA 99 MULTI ZONE BOX (FURNISHED BY OWNER / MED SUPPLIER). SEE ARCHITECTURAL/EQUIPMENT VENDOR DRAWINGS FOR DIMENSIONED LOCATIONS.
2. OXYGEN, NITROUS OXIDE, & VACUUM VALVES IN NFPA 99 MULTI ZONE BOX (FURNISHED BY OWNER / MED SUPPLIER). SEE ARCHITECTURAL/EQUIPMENT VENDOR DRAWINGS FOR DIMENSIONED LOCATIONS.
3. 3/4" VACUUM, 1/2" O2, WAGD, 1/2" N2O, & SLIDE ROUTED TO WALL OUTLETS. (COORDINATE DROPS WITH OWNER / MED SUPPLIER). INSTALL VACUUM, O2, N2O REGULATORS AND FLOW METERS (PROVIDED BY MEDICAL EQUIPMENT SUPPLIER) PER MANUFACTURER'S INSTRUCTIONS. TERMINATE WITH FITTINGS PER SUPPLIER'S INSTRUCTIONS. SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND HEIGHTS.
4. 3/4" WAGD, 1/2" O2, & 1/2" N2O ROUTED TO CEILING OUTLETS. (COORDINATE DROPS WITH OWNER / MED SUPPLIER). TERMINATE WITH FITTINGS PER SUPPLIER'S INSTRUCTIONS. SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND HEIGHTS.
5. LOCAL MASTER AREA ALARM PANEL. COORDINATE FINAL LOCATIONS WITH OWNER / MEDICAL SUPPLIER AND ARCHITECTURAL DRAWINGS.
6. VACUUM PUMP (BY OTHERS).
7. MEDICAL GAS CYLINDERS BY OWNER'S MEDICAL SYSTEM SUPPLIER. COORDINATE WITH VENDOR AND ARCHITECT FOR INSTALLATION REQUIREMENTS. SEE DETAIL 3P-6 & REFER TO HENRY SCHIEN VENDOR DRAWINGS.
8. ROUTE 2" COPPER UP TO VTR FROM VACUUM HEADS. EXHAUST SHALL BE MINIMUM 25'-0" FROM INTAKE. CONTRACTOR TO COORDINATE ROUTING THROUGH WALL OR CHASE OF FLOOR ABOVE.
9. COORDINATE TEMPORARY RELOCATION OF VACUUM PUMP IN FIELD.
10. NEW NFPA 99 MULTI ZONE BOX (FURNISHED BY OWNER / MED SUPPLIER). RECONNECT TO EXISTING PIPING IN HALLWAY THAT PREVIOUSLY SERVED SPACE. SEE ARCHITECTURAL/EQUIPMENT VENDOR DRAWINGS FOR DIMENSIONED LOCATIONS.
11. MEDICAL GAS CYLINDERS LOCATED WITHIN MEDICAL GAS ROOM SHALL NOT EXCEED 3,000 SCF IN ACCORDANCE WITH SECTION 5306.2 OF THE 2021 INTERNATIONAL FIRE CODE.

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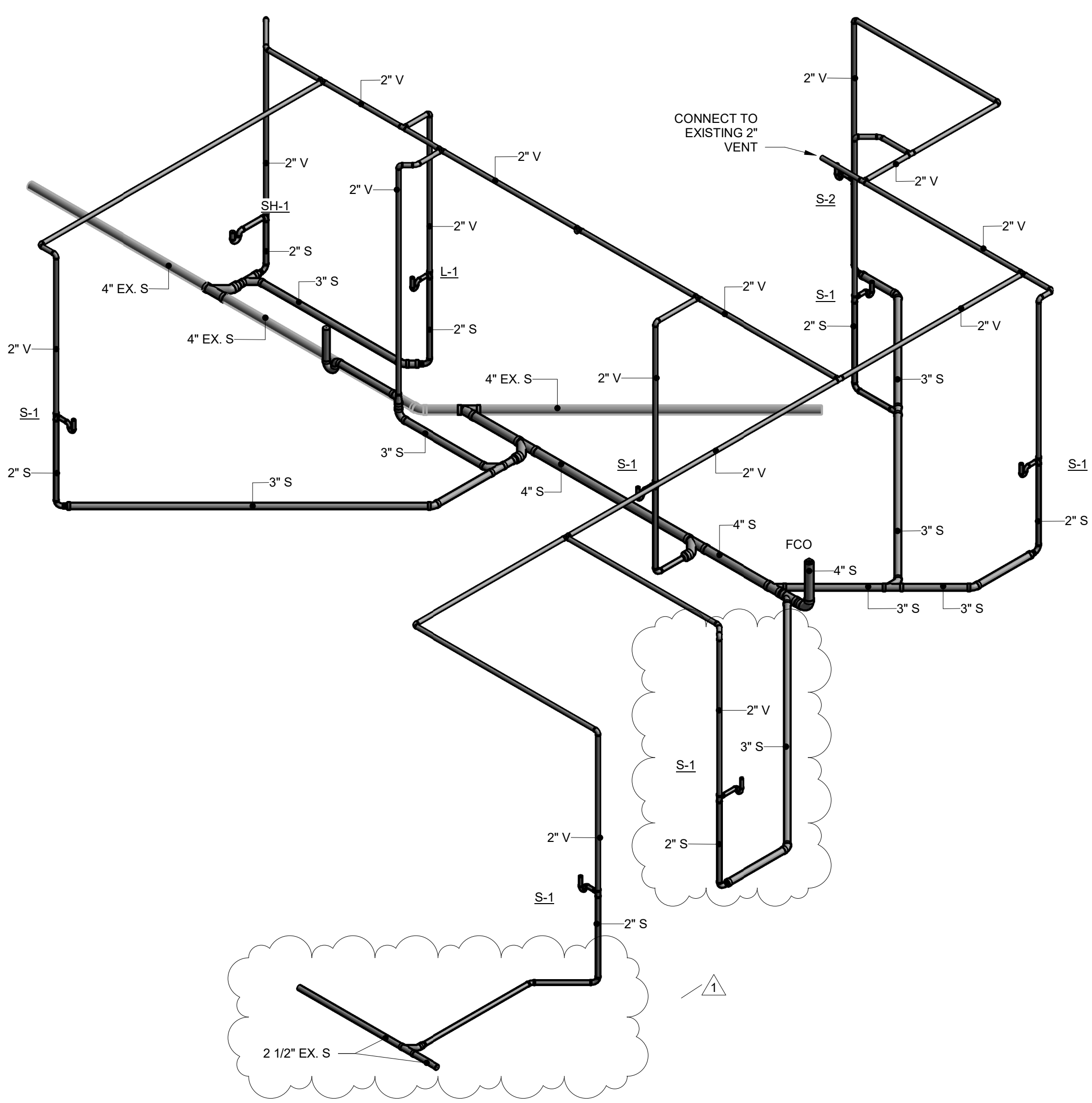
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DATE	DRWN	CHD	RFS	HSF	RFS
03/12/26	HSF				
04/09/26	HSF				

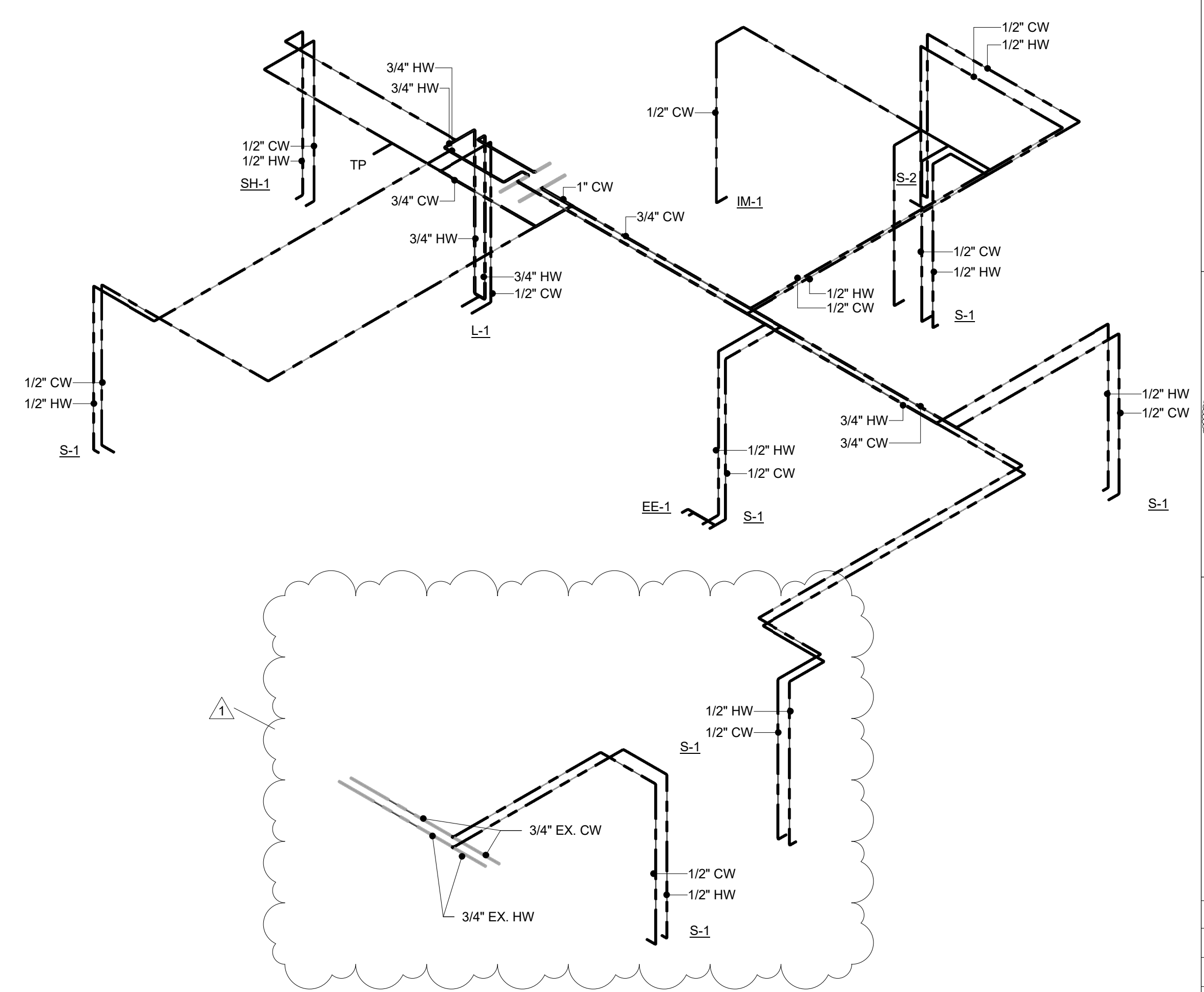
HOPKIN ORAL SURGERY EXPANSION
 USOSM
 1377 E 3900 S
 SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION
 04/16/2026

FLOOR PLAN - PLUMBING - MED GAS
 DRAWN BY: HSF
 DATE: 03/12/26
 PROJECT NO: 2025.79
 SHEET NO:
P-4



1 DW&V - ISOMETRIC
P-7 N.T.S.



2 SUPPLY - ISOMETRIC
P-7 N.T.S.

DATE	DRWN	CHD	HSF	RFS	HSF	RFS
03/12/26						
04/09/26						

HOPKIN ORAL SURGERY EXPANSION
USOSM
1377 E 3900 S
SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION
04/16/2026

PLUMBING - ISOMETRICS

DRAWN BY: HSF
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO:
P-7

4/15/2026 9:36:57 AM
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HVAC LEGEND

TYPE
AHU-1
TAG
T
CEILING DIFFUSER
RETURN GRILLE
EXHAUST GRILLE
AIR DISTRIBUTION DESIGNATION
SIZE
10
450
CFM
SIDEWALL REGISTER
MOTOR OPERATED DAMPER
MANUAL OPERATED DAMPER
TURNING VANES
SMOKE DETECTOR
TRANSFER OPENING
NEW DUCTWORK
AFF ABOVE FINISHED FLOOR
DB DRY BULB
CFM CUBIC FEET PER MINUTE
DDC DIRECT DIGITAL CONTROL
EF EXHAUST FAN
EAT ENTERING AIR TEMPERATURE
EWT ENTERING WATER TEMPERATURE
ESP EXTERNAL STATIC PRESSURE
FCU FAN COIL UNIT
IN, W.G. INCHES WATER GAUGE
LAT LEAVING AIR TEMPERATURE
LWT LEAVING WATER TEMPERATURE
OA OUTSIDE AIR
RA RETURN AIR
WL WALL LOUVER
WB WET BULB
VAV VARIABLE AIR VOLUME TERMINAL
VFD VARIABLE FREQUENCY DRIVE

TEST & BALANCE / SYSTEM COMMISSIONING:

SYSTEM COMMISSIONING:
AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE VERIFIED, TESTED, ADJUSTED, AND BALANCED BY AN INDEPENDENT NEBB OR AABC TEST AND BALANCE AGENCY TO DELIVER THE AIR AND/OR WATER QUANTITIES SHOWN ON THE DRAWINGS. THE REPORT IS TO INCLUDE:
1. HVAC UNITS (RTUS, FURNACES, AHUS, ENERGY RECOVERY UNITS, ETC.):
A. BALANCED AIR QUANTITIES TO WITHIN 10% +/- OF THE SUPPLY INDICATED ON THE DESIGN DOCUMENTS (DO NOT BALANCE RETURN AIR UNLESS SPECIFICALLY NOTED ON THE DOCUMENTS).
B. PROVIDE TRAVERSE READINGS FOR POSITIONING OF VENTILATION (OUTSIDE AIR) AT RTU INTAKE HOOD AND/OR DUCTWORK FOR AHUS, FURNACES, ETC. PROPORTIONAL ADJUSTMENT OF VENTILATION BASED ON SUPPLY AIR QUANTITY MINUS RETURN AIR QUANTITY IS NOT ACCEPTABLE.
C. DATE OF BALANCING
D. OUTDOOR AMBIENT CONDITIONS INCLUDING: TEMPERATURE AND HUMIDITY LEVEL.
E. RETURN AIR TEMPERATURE (WB&DB)
F. MIXED AIR TEMPERATURE (WB&DB)
G. DISCHARGE AIR TEMPERATURE (WB&DB) AT THE COIL
H. DISCHARGE AIR TEMPERATURE (WB&DB) AT THE AIR DISTRIBUTION TERMINAL
I. REFRIGERANT CHARGE (SPLIT SYSTEMS ONLY)
J. MOTOR ROTATION
K. AMPERAGE READINGS FOR MOTORS AND COMPRESSORS
L. VERIFY PROGRAMMING OF THERMOSTATS/EMS
L.1. UNITS ARE TO BE SET TO THE FOLLOWING:
L.1.1. MINIMUM 7 DAY PROGRAMMING CYCLE
L.1.2. UNITS EVAPORATOR FAN TO OPERATE CONTINUOUSLY DURING OCCUPIED MODE AS DETERMINED BY OWNER'S PERSONNEL. THERMOSTATS INSTALLED SHOULD HAVE THE ABILITY TO SEPARATELY SCHEDULE EVAPORATOR FAN RUN TIME, IF NOT REPORT THIS TO GENERAL CONTRACTOR FOR IMMEDIATE CORRECTION.
L.1.3. UNIT EVAPORATOR FANS ARE TO CYCLE DURING UNOCCUPIED/SETBACK MODES.
2. EXHAUST SYSTEMS:
A. BALANCED AIR QUANTITIES TO WITHIN 10% +/- OF THE SUPPLY INDICATED ON THE DESIGN DOCUMENTS
B. MOTOR ROTATION
C. VERIFY PROGRAMMING OF TIME CLOCKS/EMS
C.1. UNITS ARE TO BE SET TO THE FOLLOWING:
C.1.1. MINIMUM 7 DAY PROGRAMMING CYCLE
C.1.2. FANS ARE TO BE SET ON THE EXACT SAME OPERATING SCHEDULE AS THE HVAC UNITS EXCEPT AS NOTED ON THE "EXHAUST FAN SCHEDULE" ON THE DESIGN DRAWINGS.
C.1.3. VERIFY AND REPORT CONTROL DEVICE FOR ALL FANS (SWITCH, TIME CLOCK, EMS, MARK-TIMER, ETC.
3. REPORT SHALL INCLUDE DRAWING OR SCHEMATIC INDICATING THE LOCATION OF EACH OUTLET WITH REFERENCE TO MEASURED AIR FLOW QUANTITY.
4. PROVIDE FOUR (4) COPIES OF REPORT TO ARCHITECT.

ROOF TOP UNIT SCHEDULE

MARK	NOMINAL TONS	MANUFACTURER	MODEL	CFM	MIN. O.A. CFM	HP	GROSS COOLING CAPACITY					MBH GAS INPUT	MBH GAS OUTPUT	% EFF.	UNIT WT. (LBS)	REMARKS
							TOTAL (MBH)	SENS (MBH)	E.A.T. DB/WB	O.A.T. DB	EER/SEER					
RTU-1		EXISTING TO REMAIN		2200	400		EXISTING TO REMAIN								1 2	
RTU-2		EXISTING TO REMAIN		3000	300		EXISTING TO REMAIN								1 2	

1 EXISTING ROOF TOP UNIT. INSPECT & PERFORM ANY MAINTENANCE NEEDED TO ENSURE GOOD WORKING ORDER. ADJUST O.A. AIRFLOW TO VALUES LISTED.
2 PROGRAMMABLE ELECTRONIC THERMOSTAT. RELOCATE EXISTING, OR PROVIDE NEW AS NEEDED.

EXHAUST FANS SCHEDULE

MARK	TYPE	MANUFACTURER	MODEL	CFM	E.S.P.	MAX. MOTOR HP OR WATTS	MAX. SONES	DRIVE	WEIGHT	VOLTAGE	CONTROLLED BY	REMARKS
EF-1	INLINE	GREENHECK	CSP-A390	330	0.375	160 W	3.7	DIRECT	-	COORD. W/ELEC.	6	1 2 5 9
EF-2												REMOVED FROM PROJECT
EF-3	INLINE	GREENHECK	CSP-A110	60	0.250	30 W	1.4	DIRECT	-	COORD. W/ELEC.	8	1 2 3 5 9 1
EF-4	CEILING	GREENHECK	SP-A200	150	0.250	80 W	2.3	DIRECT	-	COORD. W/ELEC.	8	1 2 3 4 5 9
EF-5	CEILING	GREENHECK	SP-A90	40	0.250	20 W	1.3	DIRECT	-	COORD. W/ELEC.	8	1 2 3 4 5 9

1 DISCONNECT SWITCH.
2 SPEED CONTROL.
3 WALL CAP.
4 CEILING GRILLE.
5 BACKDRAFT DAMPER.
6 DIGITAL TIMECLOCK- COORDINATE HOURS WITH FACILITY ADMINISTRATOR.
7 LINE VOLTAGE THERMOSTAT.
8 RUNS CONTINUOUSLY.
9 APPROVED MANUFACTURERS: GREENHECK, PENBARRY, TWIN CITY, COOK.

CONTROL SEQUENCE

- HVAC UNITS SHALL BE PROGRAMMED SUCH THAT EVAPORATOR FANS RUN CONTINUOUSLY DURING OCCUPIED PERIODS. FANS ARE TO CYCLE DURING UNOCCUPIED MODES.
- EXHAUST FANS NOTED IN THE FAN SCHEDULE AS CONTROLLED BY TIME CLOCK ARE TO RUN CONTINUOUSLY DURING OCCUPIED PERIODS.

DEHUMIDIFICATION OF SPACE

PROVIDE TEMPORARY POWER AS REQUIRED SO NEW HVAC SYSTEMS CAN BE OPERATED A MINIMUM OF 2 WEEKS PRIOR TO INSTALLATION OF CEILING TILES.

AIR BALANCE SCHEDULE

MARK	EXHAUST CFM	INTAKE CFM
EF-1	330	--
EF-2	40	--
EF-3	60	--
EF-4	150	--
EF-5	40	--
RTU-1	--	400
RTU-2	--	300
TOTAL CFM	620	700

SPACE IS 80 CFM POSITIVE

AIR DISTRIBUTION DEVICES

MARK	MANUFACTURER	MODEL	TYPE	DUTY	COLOR	MATERIAL	VOLUME DAMPER	REMARKS
A	TITUS	TMS-IB	LOUVER FACE	SA	WHITE	STEEL	NO	24x24 PANEL SIZE W/ MOLDED INSULATION BLANKET.
B	TITUS	TMS-IB	LOUVER FACE	SA	WHITE	STEEL	NO	12x12 PANEL SIZE W/ MOLDED INSULATION BLANKET.
C	TITUS	50F	ALUMINUM EGGCRATE	RA	WHITE	ALUMINUM	NO	24x24 PANEL SIZE. 22x22 EGGCRATE FACE W/TRANSITION TO NECK/RUNOUT LISTED.
D	TITUS	50F	ALUMINUM EGGCRATE	EXHAUST	WHITE	ALUMINUM	NO	12x12 PANEL SIZE. 10x10 EGGCRATE FACE W/TRANSITION TO NECK/RUNOUT LISTED.
X								EXISTING AIR TERMINAL. TEMPORARILY REMOVE / PROTECT DURING CONSTRUCTION & RE-INSTALL TO LOCATION INDICATED. RE-BALANCE SUPPLY TERMINALS TO AIRFLOW INDICATED.

WALL LOUVER SCHEDULE

MARK	MANUFACTURER	MODEL	SIZE (WxH)	FREE AREA (FT2)	CFM	ΔP (IN. W.G.)	TYPE	DAMPER	DEPTH	DRAINABLE	REMARKS
WL-1	RUSKIN	ELF6375DX	18x12	.57	330	0.04	FIXED	YES	6"	YES	1 2 3

1 LOUVERS SHALL HAVE A BAKED ENAMEL FINISH. SUBMIT COLOR CHART TO ARCHITECT.
2 MOTORIZED DAMPER WITH INTERLOCK TO EF-1.
3 INSECT SCREEN

MECHANICAL SPECIFICATIONS AND NOTES

- ALL MECHANICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2021 UTAH MECHANICAL CODES WITH ALL STATE AND LOCAL AMENDMENTS, THE STATE ENERGY CODE, NFPA 90A, NFPA 101, AND ANY LOCAL ORDINANCES.
- ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL ELECTRICAL REQUIREMENTS.
- SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA DUCT CONSTRUCTION STANDARDS, LATEST EDITION. DUCTWORK SHALL BE CONSTRUCTED TO WITHSTAND THE PRESSURES INDICATED ON THE DRAWINGS. ALL JOINTS AND SEAMS IN ALL SHEET METAL DUCTWORK SHALL BE SEALED WITH DUCT SEALER. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS. NEW DUCTWORK SHALL BE INSTALLED AS HIGH AS POSSIBLE. ROUND LOW VELOCITY DUCTWORK SHALL BE FABRICATED OF GALVANIZED STEEL WITH LOCK TYPE SPIRAL SEAMS IN ACCORDANCE WITH SMACNA DETAILS AND STEEL GAUGE THICKNESS AS LISTED IN THE SMACNA MANUAL, BUT NOT LESS THAN 26 GAUGE THICKNESS.
- FLEXIBLE DUCTWORK SHALL BE FLEXMASTER TYPE 3 OR EQUAL, SAME SIZE AS DIFFUSER NECKS, MAXIMUM 6'-0" LONG. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS.
- CONDENSATE FROM ALL AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND Routed TO THE LOCATION INDICATED ON THE PLANS. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC. PROVIDE CONDENSATE PUMP IF REQUIRED COORDINATE POWER REQUIREMENTS. PUMPS SHALL BE MOUNTED WITHIN OVERFLOW PANS. CONDENSATE PIPING SHALL BE INSULATED WITH ONE INCH NOMINAL THICKNESS FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER JACKET, OWENS CORNING ASJSLII OR APPROVED EQUAL.
- AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED BY AN INDEPENDENT NEBB OR AABC TEST AND BALANCE AGENCY TO DELIVER THE AIR AND WATER QUANTITIES SHOWN ON THE DRAWINGS. PROVIDE FOUR (4) COPIES OF REPORT TO ARCHITECT.
- MOUNT THERMOSTATS AND WALL SENSORS 44" AFF UNLESS NOTED OTHERWISE.
- MANUAL OVER-RIDE CONTROL (EMERGENCY SHUT-DOWN) SWITCH FOR ALL NEW HVAC UNITS SHALL BE LOCATED ADJACENT TO FIRE ALARM ANNUNCIATOR PANEL OR OTHER LOCATION APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH NFPA 90A SECTION 6.2. ONE SWITCH SHALL BE USED TO GLOBALLY SHUT-DOWN ALL UNITS. SHUT-DOWN SWITCH SHALL BE PROVIDED WITH CLEAR, FLIP-UP PROTECTIVE COVER.
- SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING ANY EQUIPMENT OR INSTALLING ANY DUCTWORK OR PIPING.
- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF THREE YEARS AFTER ACCEPTANCE BY OWNER.
- SHEET METAL SUPPLY, RETURN, & OUTSIDE AIR DUCTWORK SHALL BE INSULATED WITH 2" THICK EXTERIOR FIBERGLASS DUCT INSULATION WITH FOIL VAPOR BARRIER, U.L. LISTED, MINIMUM R-6.
- DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR.
- PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK AND PIPING SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THE WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.
- ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE WORK SHALL BE REPAIRED.
- LOCATIONS OF DUCTWORK, GRILLES, REGISTERS, AND DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH ARCHITECT AND OWNER.
- AS-BUILT DRAWINGS SHALL BE MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION INDICATING ALL FIELD CHANGES AND REVISIONS TO EQUIPMENT, DUCTWORK, PIPING AND CONTROLS. THESE DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL PREPARE TWO COPIES OF OPERATION AND MAINTENANCE MANUALS FOR THE PROJECT FOR THE OWNER'S USE. THE CONTRACTOR SHALL ALSO INSTRUCT THE OWNER'S REPRESENTATIVE IN THE OPERATION OF ALL SYSTEMS AND THE MAINTENANCE REQUIRED.
- ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK. WIRING IN HVAC PLENUM SPACES SHALL BE INSTALLED ACCORDING TO CODE REQUIREMENTS. EQUIPMENT SHALL BE CONTROLLED AS INDICATED ON THE DRAWINGS.
- EQUIPMENT SHALL BE CONTROLLED BY RESPECTIVE INDIVIDUAL PROGRAMMABLE THERMOSTATS, OR AS OTHERWISE SPECIFIED.
- ALL PIPE PENETRATIONS OF FIRE AND/OR SMOKE-RATED ASSEMBLIES SHALL BE FIRE-STOPPED AS REQUIRED TO RESTORE ASSEMBLY TO ORIGINAL INTEGRITY. FIRE BARRIER PRODUCTS SHALL BE AS MANUFACTURED BY 3M CO., CP25 CAULK, CS195 COMPOSITE PANEL, FS185 WRAPSTRIP, OR PSS 7000 SERIES SYSTEMS AS RECOMMENDED BY MANUFACTURER FOR PARTICULAR APPLICATION, OR EQUIVALENT SYSTEM AS APPROVED BY LOCAL CODE OFFICIALS.
- ALL PIPING SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. PIPING HUNG FROM JOISTS SHALL BE HUNG FROM THE TOP CHORDS OF THE JOISTS.
- INSTALL OUTDOOR AIR CONDITIONING EQUIPMENT LEVEL ON 4" THICK REINFORCED CONCRETE PADS EXTENDING MINIMUM 8" BEYOND UNIT PERIMETER. SEE ARCHITECTURAL DRAWING FOR EXACT LOCATIONS.
- INDOOR AIR CONDITIONING EQUIPMENT SHALL BE INSTALLED WITH AUXILIARY CONDENSATE DRAIN PANS UNDER UNITS WITH FLOAT SWITCHES. INSTALL MINIMUM 4' X 4' X 3/4" THICK PLYWOOD SERVICE PLATFORM ON UNIT SERVICE SIDE OF UNITS LOCATED IN ATTIC SPACES.
- REFRIGERANT PIPING SHALL BE TYPE L COPPER TUBING WITH BRAZED JOINTS. SUCTION PIPING SHALL BE INSULATED WITH 3/4" CLOSED CELL INSULATION. ALL JOINTS AND SEAMS SHALL BE SEALED WITH ADHESIVE. REFRIGERANT PIPING PASSING THROUGH FLOORS SHALL BE ENCLOSED IN A CONTINUOUS FIRE RESISTIVE PIPE SHAFT HAVING NO OPENINGS INTO FLOORS NOT SERVED BY THE REFRIGERATING SYSTEM, AS REQUIRED BY LOCAL CODE AUTHORITIES. THE PIPE SHAFT SHALL BE VENTED TO THE OUTDOORS.
- DRYER VENTS SHALL BE STUBBED OUT 2" FROM WALL AND 30" ABOVE LAUNDRY ROOM FLOOR. DRYER VENT DUCTWORK SHALL BE 4" ROUND 24 GAUGE GALVANIZED STEEL, ROUTED TO EXTERIOR WALL CAP AS DIRECT AS POSSIBLE (FLEXIBLE DUCTWORK WILL NOT BE ACCEPTABLE). WALL CAP SHALL BE FURNISHED WITH BUILT-IN BACK-DRAFT DAMPER. DO NOT SECURE DUCTWORK WITH SHEET METAL SCREWS.
- WHERE SPLIT SYSTEM LINE SETS BETWEEN EVAPORATOR AND CONDENSER EXCEED MANUFACTURER'S FACTORY CHARGE LENGTH (50 FEET) AND/OR LIFT HEIGHT, CONTRACTOR SHALL INCLUDE IN SHOP DRAWING SUBMITTAL:
 - PROPOSED LINE SET DIMENSIONS (DIAMETER & LENGTH).
 - ADDITIONAL SYSTEM REFRIGERANT AND/OR OIL CHARGE.
 - PROPOSED SYSTEM OPTIONS (CRANKCASE HEATER, ACCUMULATOR, EXPANSION VALVE, ETC...).
 - SUCTION RISER TRAPS (QUANTITY AND LOCATION).

VACUUM PUMP SPLIT SYSTEM COOLING UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	GROSS COOLING CAPACITY					VOLTAGE	REMARKS
				TOTAL (MBH)	SENS (MBH)	E.A.T. DB/WB	O.A.T. DB (F)	SEER		
CU-1/ AHU-1	MITSUBISHI	PUY-A24NH/ PKA-A24HA	775	24.0	18.0	80/67	95	21.0	208V / 1PH	1 2 3 4 5

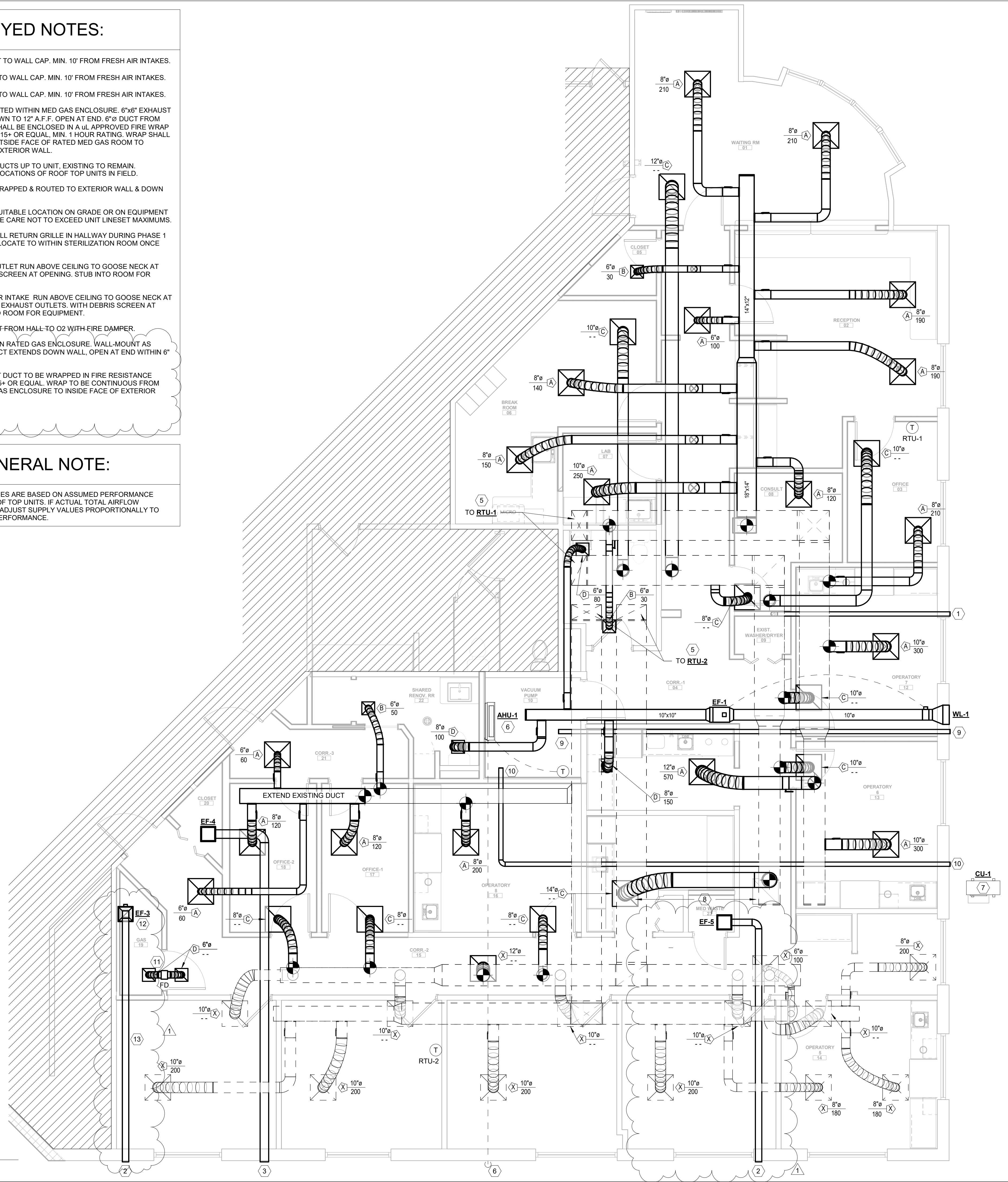
1 ADVANCED MICROPROCESSOR CONTROL.
2 CONDENSATE DRAIN PUMP.
3 LOW AMBIENT CONTROLS.
4 SINGLE POINT CONNECTION.
5 PROGRAMMABLE THERMOSTAT

KEYED NOTES:

- 1 4" Ø DRYER EXHAUST TO WALL CAP. MIN. 10' FROM FRESH AIR INTAKES.
- 2 6" Ø EXHAUST DUCT TO WALL CAP. MIN. 10' FROM FRESH AIR INTAKES.
- 3 8" Ø EXHAUST DUCT TO WALL CAP. MIN. 10' FROM FRESH AIR INTAKES.
- 4 EXHAUST FAN MOUNTED WITHIN MED GAS ENCLOSURE. 6"x6" EXHAUST DUCT FROM FAN DOWN TO 12" A.F.F. OPEN AT END. 6" Ø DUCT FROM FAN TO WALL CAP SHALL BE ENCLOSED IN A UL APPROVED FIRE WRAP OR FIRE SHAFT, 3M 615+ OR EQUAL, MIN. 1 HOUR RATING. WRAP SHALL CONTINUE FROM OUTSIDE FACE OF RATED MED GAS ROOM TO INTERIOR FACE OF EXTERIOR WALL.
- 5 SUPPLY & RETURN DUCTS UP TO UNIT. EXISTING TO REMAIN. DETERMINE EXACT LOCATIONS OF ROOF TOP UNITS IN FIELD.
- 6 AHU CONDENSATE TRAPPED & ROUTED TO EXTERIOR WALL & DOWN TO SPILL ON GRADE.
- 7 LOCATE CU-1 AT A SUITABLE LOCATION ON GRADE OR ON EQUIPMENT RAILS ON ROOF. TAKE CARE NOT TO EXCEED UNIT LINESET MAXIMUMS.
- 8 TEMPORARILY INSTALL RETURN GRILLE IN HALLWAY DURING PHASE 1 CONSTRUCTION. RELOCATE TO WITHIN STERILIZATION ROOM ONCE FULL ROOM IS BUILT.
- 9 4" PVC VAC PUMP OUTLET RUN ABOVE CEILING TO GOOSE NECK AT WALL WITH DEBRIS SCREEN AT OPENING. STUB INTO ROOM FOR EQUIPMENT.
- 10 4" PVC COMPRESSOR INTAKE RUN ABOVE CEILING TO GOOSE NECK AT WALL. MIN. 10' FROM EXHAUST OUTLETS. WITH DEBRIS SCREEN AT OPENING. STUB INTO ROOM FOR EQUIPMENT.
- 11 6" MAKE UP AIR DUCT FROM HALL TO O2 WITH FIRE DAMPER.
- 12 EF-3 LOCATED WITHIN RATED GAS ENCLOSURE. WALL-MOUNT AS NEEDED. INTAKE DUCT EXTENDS DOWN WALL, OPEN AT END WITHIN 6" OF FLOOR.
- 13 6" DIA. GAS EXHAUST DUCT TO BE WRAPPED IN FIRE RESISTANCE RATED WRAP, 3M 615+ OR EQUAL. WRAP TO BE CONTINUOUS FROM OUTSIDE FACE OF GAS ENCLOSURE TO INSIDE FACE OF EXTERIOR WALL.

GENERAL NOTE:

SUPPLY AIRFLOW VALUES ARE BASED ON ASSUMED PERFORMANCE FOR THE EXISTING ROOF TOP UNITS. IF ACTUAL TOTAL AIRFLOW VARIES FROM DESIGN, ADJUST SUPPLY VALUES PROPORTIONALLY TO MATCH ACTUAL UNIT PERFORMANCE.



1 FLOOR PLAN - MECHANICAL
M-2 1/4" = 1'-0"

DATE	DESCRIPTION	CONSTRUCTION DOCUMENT	APPENDIX #
03/12/26	MLD	RFPS	
04/09/26	MLD	RFPS	

Lighting Fixture Schedule

Fixture Type	Description	Manufacturer	Catalog #	Voltage	Load	Lamp
A	2X4 LED FLAT PANEL FIXTURE	LITHONIA LIGHTING	CPX 24 4000 80CRI 35K SWL MIN10 ZT CP	120 V	32 VA	LED
AE	2X4 LED FLAT PANEL FIXTURE WITH 90 MINUTE EMERGENCY BATTERY	LITHONIA LIGHTING	CPX 24 4000 80CRI 35K SWL MIN10 ZT E10WLCP CP	120 V	32 VA	LED
B	2X2 LED FLAT PANEL FIXTURE	LITHONIA LIGHTING	CPX 22 3200 80CRI 35K SWL MIN10 ZT CP	120 V	24 VA	LED
BE	2X2 LED FLAT PANEL FIXTURE WITH 90 MINUTE EMERGENCY BATTERY	LITHONIA LIGHTING	CPX 22 3200 80CRI 35K SWL MIN10 ZT E10WLCP CP	120 V	24 VA	LED
C	6" LED DOWNLIGHT	LITHONIA LIGHTING	LBR6 NCH AL02 SSW1 AR TRW LSS MWD UGZ1 CP	120 V	14 VA	LED
CE	6" LED DOWNLIGHT WITH 90 MINUTE EMERGENCY BATTERY	LITHONIA LIGHTING	LBR6 NCH AL02 SSW1 AR TRW LSS MWD UGZ1 E10WCP CP	120 V	14 VA	LED
SE	4' LENSED LED STRIP LIGHT FIXTURE WITH 90 MINUTE EMERGENCY BATTERY	LITHONIA LIGHTING	CSS L48 AL03 MVOLT SSW3 80CRI E10W	120 V	41 VA	LED
U	UNDERCABINET LED STRIP (3 W/FT)	NEW STAR	MUS 3 HC L1 35 A 12 RS	120 V	3 VA	LED
V	2' SURFACE-MTD FIXTURE	OXYGEN	3-527-3524	120 V	21 VA	LED
X	EXIT SIGN, LED, POLYCARBONATE BODY FACES AS SHOWN AND SELF TESTING/DIAGNOSTIC BATTERY BACKUP	LITHONIA LIGHTING	LQM S W 3 R 120/277 EL N M6	120 V	3 VA	LED

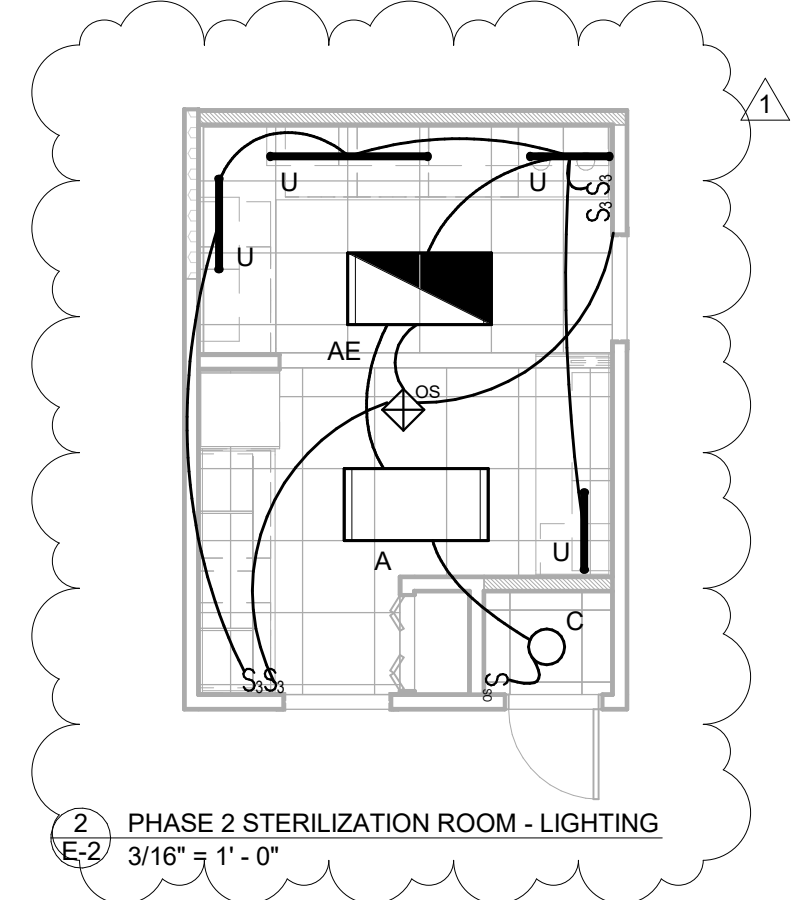
GENERAL NOTES:
 A. CONTRACTOR PROVIDES LIGHTS, OCCUPANCY SENSORS AND IS RESPONSIBLE FOR LABOR AND MATERIALS TO INSTALL ALL LIGHT FIXTURES AND CONTROLS

GENERAL NOTES:

- ALL WIRING DEVICE COVERPLATES IN TREATMENT ROOMS SHALL BE WHITE.
- WIRING IN PATIENT CARE AREAS SHALL COMPLY WITH NEC 517.13A & B. SEE ELECTRICAL SPECIFICATION #44 ON SHEET E-01 FOR WIRING TYPE.
- CONNECT BATTERY IN FIXTURE TYPES "AE", "AE/NL", "BE", "CE" AND "X" TO UNSWITCHED CIRCUIT CONDUCTORS.
- ALL LIGHTS THROUGH OUT ON AUTOMATIC CONTROLS MUST COMPLY WITH NFPA 101 7.8.1.2.2.
- SWITCH CONTROLLERS MUST BE LISTED.
- SWITCH CONTROLLERS EQUIPPED FOR FAIL-SAFE OPERATION AND EVALUATED FOR THIS PURPOSE.
- TIMERS TO BE SET FOR A MINIMUM 15-MINUTE DURATION.
- MOTION SENSOR BE ACTIVATED BY ANY OCCUPANT MOVEMENT IN THE AREA SERVED BY THE LIGHTING UNITS.
- ACTIVATION OF FIRE ALARM MUST ACTIVATE THE SWITCH CONTROLLER.
- LIGHTING CONTROL DEVICE MAY NOT TURN OFF ANY LIGHTS REALIZED UPON FOR ACTIVATION OF PHOTO LUMINESCENT EXIT SIGNS OR PATH MARKERS.
- LIGHTING CONTROL DEVICES MAY NOT TURN OFF ANY BATTERY EQUIPPED EMERGENCY LUMINARIES, UNIT EQUIPMENT OR EXIT SIGNS.

KEYNOTES:

- EXISTING DENTAL LIGHTS TO BE RELOCATED AND RECIRCUITED AS INDICATED. PROVIDE JUNCTION BOX ABOVE CEILING FOR DENTAL LIGHT. CONFIRM FINAL LOCATION AND MOUNTING WITH DENTAL EQUIPMENT INSTALLER PRIOR TO ROUGH-IN.
- CIRCUIT EXISTING LIGHTS IN THIS ROOM/AREA TO NEW LIGHTING CIRCUIT.
- RECENTER EXISTING FIXTURE AND CIRCUIT TO NEW CIRCUIT AS INDICATED.



1 FLOOR PLAN - LIGHTING
 E-2 3/16" = 1'-0"

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DATE	DRWN	CHKD	DATE	DRWN	CHKD
03/12/26	SPJ	SPJ	04/09/26	SPJ	DEB

HOPKIN ORAL SURGERY EXPANSION

U505M

1377 E 3900 S

SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION

04.10.2026

FLOOR PLAN - LIGHTING

DRAWN BY: SPJ

DATE: 03/12/26

PROJECT NO. 2025.79

SHEET NO. E-2

Mechanical Equipment Schedule

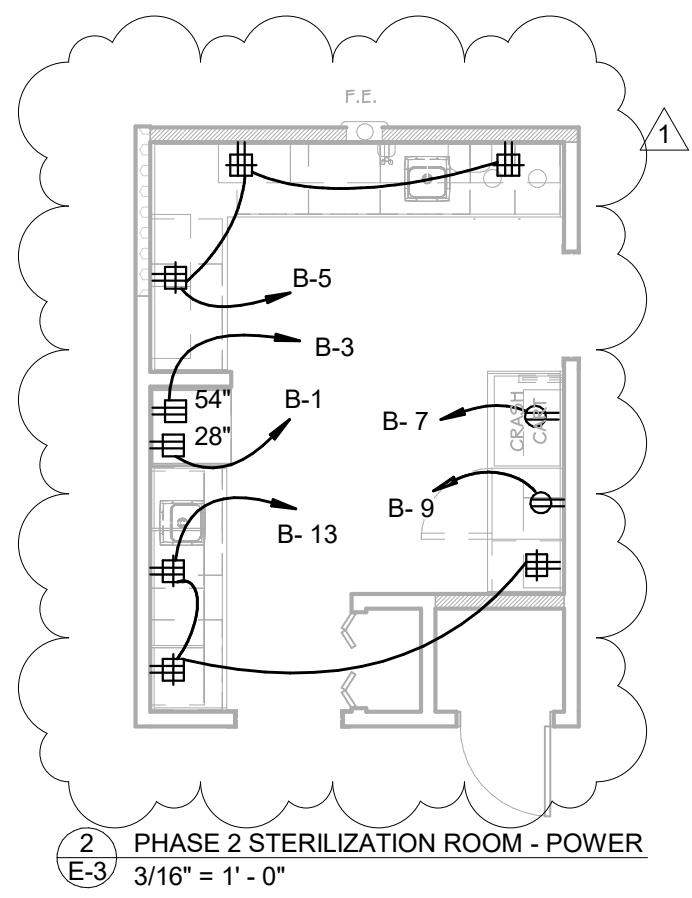
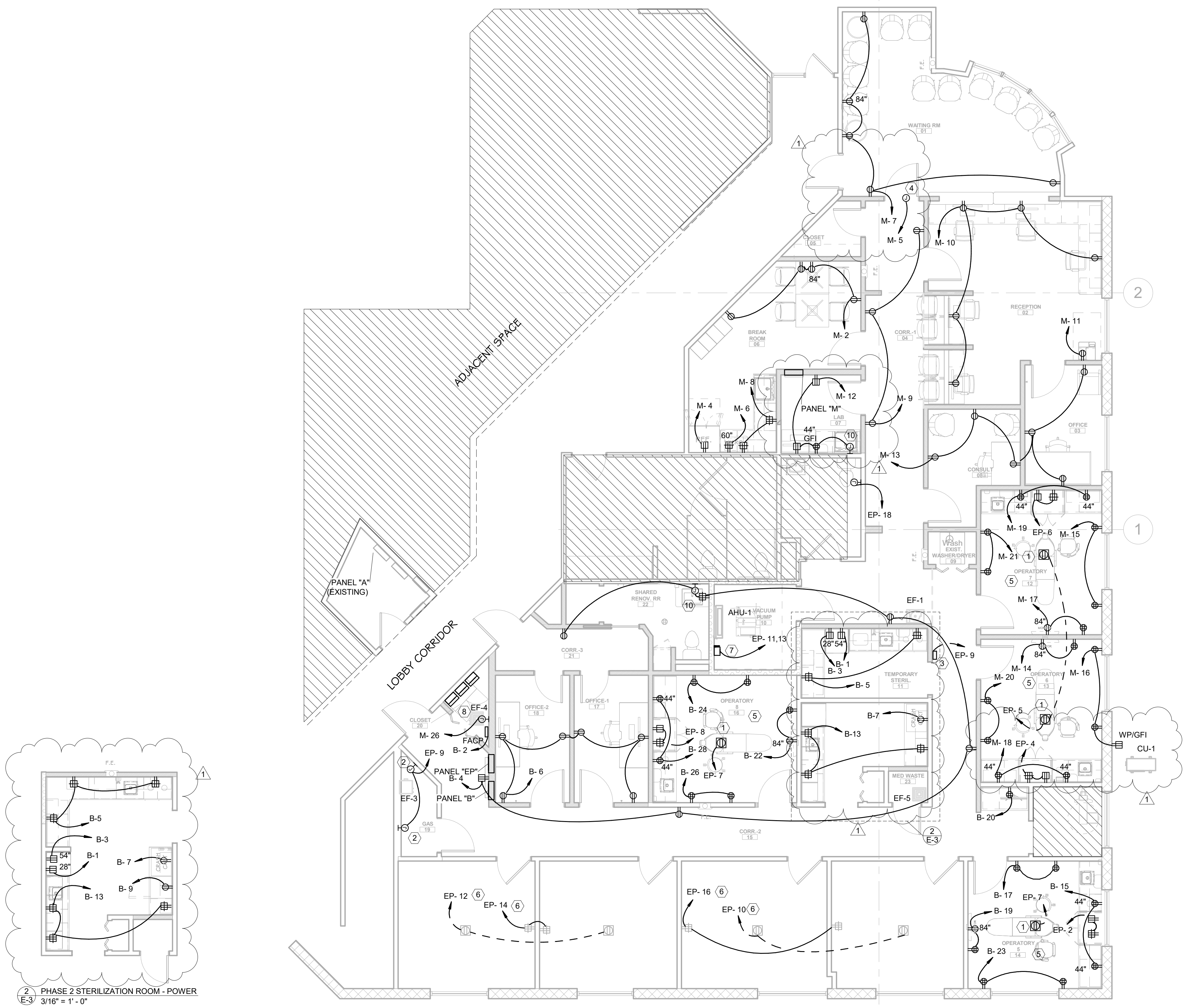
ITEM	DESCRIPTION	LOAD	VOLTAGE	NUMBER OF POLES	DESIGNATION	WIRE SIZE	DISCONNECT	COMMENTS
AHU-1	AIR HANDLER UNIT		208 V	1				POWERED BY OUTDOOR UNIT
CU-1	CONDENSING UNIT	3.2 W	208 V	2	A 12.14	2#12, 1#10G-3/4"C	30/2/3R/30AF	
EF-1	EXHAUST FAN	160W	120 V	1	M 22	2#12, 1#12G-3/4"C	MOTOR RATED SWITCH	TIMELOCK CONTROLLED
EF-3	EXHAUST FAN	30W	120 V	1	M 24	2#12, 1#12G-3/4"C	MOTOR RATED SWITCH	RUNS CONTINUOUSLY
EF-4	EXHAUST FAN	30W	120 V	1	M 24	2#12, 1#12G-3/4"C	MOTOR RATED SWITCH	SWITCHED WITH LIGHTS
EF-5	EXHAUST FAN	40W	120 V	1	M 24	2#12, 1#12G-3/4"C	MOTOR RATED SWITCH	RUNS CONTINUOUSLY

GENERAL NOTES:

1. WIRING IN PATIENT CARE AREAS SHALL COMPLY WITH NEC 517-13A & B. SEE ELECTRICAL SPECIFICATION #44 ON SHEET E-01 FOR WIRING TYPE. PATIENT CARE AREAS ARE OPERATORY AND EXAMS ROOMS. PRIOR TO INSTALLING MEDICAL GRADE MC WIRING, OBTAIN APPROVAL FROM CITY OF MILLCREEK.
2. ALL WIRING DEVICE COVERPLATES SHALL BE WHITE.
3. CONFIRM EXACT LOCATIONS AND CONNECTION REQUIREMENTS OF ALL DENTAL EQUIPMENT WITH OWNER AND DENTAL EQUIPMENT VENDOR/CONTRACTOR PRIOR TO INSTALLATION.
4. PROVIDE TYPED LABEL CIRCUIT DESIGNATION ON COVERPLATES FOR ALL RECEPTACLES
5. CONNECT MECHANICAL EQUIPMENT PER MECHANICAL EQUIPMENT SCHEDULE ON THIS SHEET. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS. PROVIDE EQUIPMENT NAME ON DISCONNECT MEANS.
6. RECEPTACLES LOCATED ON FIRE WALL SHALL HAVE FIRE RATED PUTTY PADS
7. PROVIDE WPI/W/GFI RECEPTACLE(S) AS REQUIRED BY CODE ON ROOF FOR ROOF MOUNTED EQUIPMENT. NO MECHANICAL UNIT SHALL BE MORE THAN 25' FROM A RECEPTACLE.
8. NO 15A 120V RECEPTACLES ARE ACCEPTABLE
9. PROVIDE TAMPER RESISTANT RECEPTACLE IN BUSINESS OFFICES, CORRIDORS, WAITING ROOMS PER NEC 406.12(5).

KEYNOTES:

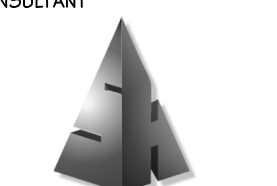
1. PROVIDE FULLY RECESSED FLOOR BOX FOR DENTAL CHAIR POWER. FLOOR BOX SHALL BE HUBBELL 4-GANG AFB SERIES BOX WITH COVER. PROVIDE 3/4"C FOR POWER UNDER FLOOR TO NEAREST WALL. HOMERUN TO PANEL. COORDINATE EXACT LOCATION OF POWER DEVICES AND FINISH WITH HENRY SCHEIN COORDINATION DRAWINGS.
2. JUNCTION BOX FOR MED GAS MANIFOLDS. ELECTRICIAN TO RUN 22 AWG TWISTED PAIR SHIELDED CABLE BETWEEN EACH N2O O2 SYSTEM MANIFOLD AND PIPED GAS NOTIFICATION ALARM WITH 3/4" RIGID CONDUIT. LEAVE 12" OF CABLE ON EACH END FOR FINAL CONNECTIONS. VERIFY EXACT LOCATION WITH VENDOR EQUIPMENT DRAWINGS.
3. CONTROL PANEL FOR MED GAS ALARMS. RUN 22AWG TWISTED PAIR SHIELDED CABLE FROM ALL SENSORS AT ZONE VALVES TO THE ALARM PANEL. RUN 22 AWG TWISTED PAIR SHIELDED CABLE BETWEEN ALARM PANEL AND MANIFOLDS AND PRESSURE SENSOR FOR VACUUM IN MECHANICAL CLOSET WITHIN 3/4" RIGID CONDUIT. COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT WITH EQUIPMENT VENDOR DRAWINGS. CONTROL PANEL TO BE FURNISHED BY EQUIPMENT VENDOR.
4. PROVIDE CONNECTION TO DOOR CONTROLS, AND 120V POWER SUPPLY. COORDINATE WITH ACTUAL EQUIPMENT FURNISHED. COORDINATE POWER AT ALL DOORS IN CLINIC WITH ARCH DOOR SCHEDULE.
5. ALL RECEPTACLES IN OPERATORIES SHALL BE GFI.
6. RECIPIENT EXISTING RECEPTACLES TO NEW EP PANEL AS INDICATED.
7. VACUUM PUMP. PROVIDE (1) 208V, 1PH 30A-2P DISCONNECT SWITCH, #10 AWG CU + #10G IN 3/4"C. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
8. PANEL EP BATTERY CABINET WITH INVERTERS MOUNTED ABOVE. SEE RISER DIAGRAM ON SHEET E-5 FOR ADDITIONAL INFORMATION.
9. PROVIDE JUNCTION BOX FOR REMOTE X-RAYS ACTUATION. COORDINATE LOCATION AND HEIGHT WITH DENTAL EQUIPMENT SUPPLIER. INSTALL LOW VOLTAGE CABLE FOR X-RAY BUTTON.
10. CONNECT 120V JUNCTION BOX TO LOW VOLTAGE TRANSFORMER(S) FOR FAUCETS. TRANSFORMER SHALL BE RECESSED IN WALL. COORDINATE LOCATION WITH PLUMBING CONTRACTOR SUCH THAT RECEPTACLE AND TRANSFORMER ARE LOCATED HIGH BEHIND BOTTOM OF LAVATORY. PROVIDE GFCI PROTECTION.



1 FLOOR PLAN - POWER
3/16" = 1'-0"



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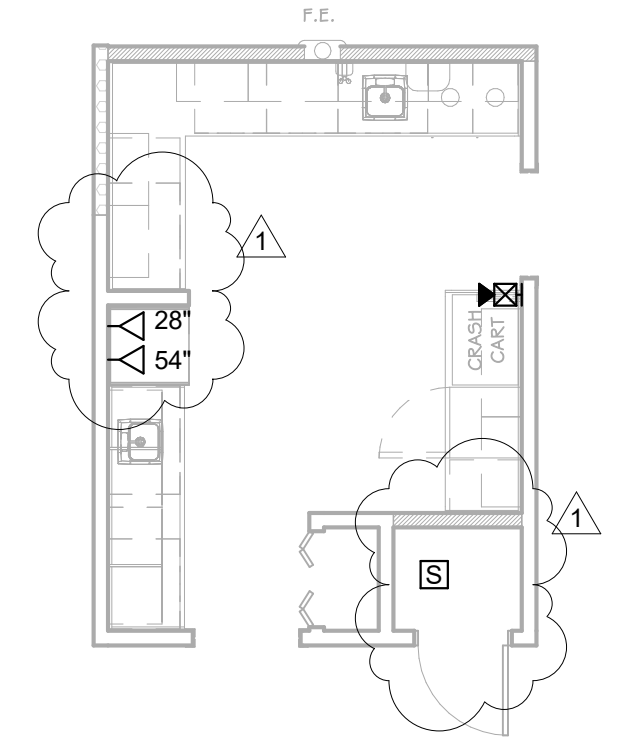
DATE	DRWN	CHKD	DEB	SPJ	DEB
03/12/26					
04/09/26					

HOPKIN ORAL SURGERY EXPANSION
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FLOOR PLAN - POWER

DRAWN BY: SPJ
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO: E-3



3 PHASE 2 STERILIZATION ROOM - SYSTEMS
E-4 3/16" = 1'-0"



1 FLOOR PLAN - SYSTEMS
E-4 3/16" = 1'-0"

FIRE ALARM SYSTEM SPECIFICATIONS

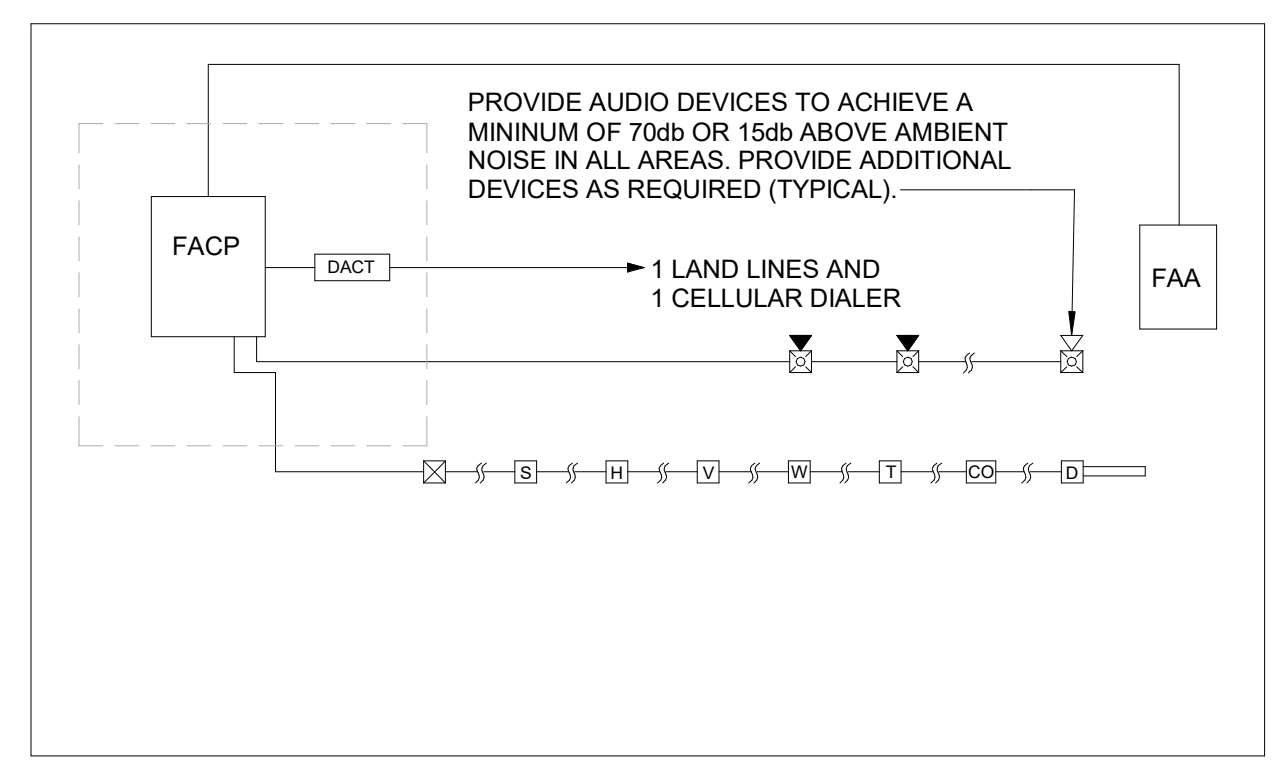
- ADDRESSABLE FIRE ALARM SYSTEM - GENERAL
 - THE FIRE ALARM SYSTEM SHALL SATISFY THE FUNCTIONS CURRENTLY SPECIFIED AND RECOMMENDED BY NFPA-101, NFPA-72, NFPA-70, THE AMERICANS WITH DISABILITIES ACT GUIDELINES, NFPA-90A, AND OTHER CODE AUTHORITIES. THE SYSTEM SHALL ALSO COMPLY WITH UL STANDARDS 86, 218, AND NEMA STANDARDS 583, 589. THE SYSTEM AND ALL COMPONENTS SHALL BE LISTED, LABELED, AND APPROVED FOR ITS APPLICATION AS FIRE PROTECTIVE SIGNALING EQUIPMENT BY UNDERWRITER'S LABORATORIES, INC.
 - THE INITIATION OF ANY ACTUATING UNIT, MANUAL ALARM STATION, OR SPRINKLER FLOW OR TAMPER SWITCH SHALL INDICATE ITS ALARM CONDITION AT THE CONTROL PANEL AND SHALL ACTIVATE LOCAL BUILDING SIGNAL DEVICES.
 - SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE WITH ALARM INDICATOR LAMP AND INTERNAL ALARM WITH FLASHING LIGHT. THE DETECTORS SHALL HAVE A SENSITIVITY ADJUSTMENT AND A CIRCUIT TEST SET CHECK FEATURE. DETECTOR UNITS SHALL BE PRESET FOR SENSITIVITY AT THE FACTORY AND USED AT A FIXED SENSITIVITY DETERMINED BY THE ELEVATION OF THE SYSTEM INSTALLATION. DETECTORS SHALL HAVE A LOCKING SCREW TO PROHIBIT REMOVAL BY UNAUTHORIZED PERSONS. DETECTORS SHALL HAVE AN ALARM CONDITION LAMP, VISIBLE FROM THE BOTTOM OF THE DETECTOR AS INSTALLED. FIRE ALARM STATIONS SHALL BE THE NON-CODED, MANUAL, DUAL-ACTION PULL LEVER TYPE, OPERABLE BY NO MORE THAN EIGHT POUNDS OF PRESSURE. THE STATION SHALL BE FLUSH OR SEMI-FLUSH MOUNTED AND FINISHED RED WITH WHITE TRIM. STATION LABELING SHALL STATE "FIRE". SYSTEM SIGNAL ALARMS SHALL BE VIBRATING AUDIO-VISUAL HORNS OR VISUAL-ONLY DEVICES AS INDICATED. THE VISUAL INDICATION SHALL PROVIDE A STROBE-TYPE FLASH AND BE VISIBLE WITHIN A 180 DEGREE RANGE WHEN THE UNIT IS VERTICALLY MOUNTED. DEVICES SHALL HAVE FIELD ADJUSTABLE SOUND LEVELS SET BY THE FACTORY AT MAXIMUM. DEVICES SHALL BE SUITABLE FOR USE ON THE SUPERVISED CIRCUITS. DEVICE FINISH SHALL BE RED. ANY REQUIRED CIRCUIT LOADING COMPONENTS AND/OR REQUIRED ENCLOSURES SHALL BE PROVIDED, SIZED, AND LOCATED FOR THE SYSTEM AS INSTALLED. WIRING FOR THE SYSTEM SHALL BE CABLE OR CONDUCTORS INSTALLED IN RACEWAY, WITH TYPE, SIZE, AND NUMBER OF CONDUCTORS (EITHER BUNCH-TINNED STRANDED COPPER OR OTHER FIRE-ALARM-RATED CONDUCTORS) RECOMMENDED BY THE EQUIPMENT MANUFACTURER. SMOKE AND HEAT DETECTOR TO BE INSTALLED AT THE MINIMUM OF 3' AWAY FROM HVAC SUPPLY/RETURN.
- FIRE ALARM SYSTEM INSTALLATION:
 - THE EQUIPMENT SUPPLIER SHALL PROVIDE CUSTOM ENGINEERED INSTALLATION AND TERMINAL TO TERMINAL WIRING DIAGRAMS, AND PLAN DRAWINGS INDICATING DEVICE LOCATIONS AND CONDUIT ROUTING. GENERAL OR STANDARD TYPE DIAGRAMS SHALL NOT BE SUFFICIENT. THE SUPPLIER SHALL PROVIDE NECESSARY JOB SITE SUPERVISION AND FINAL CHECKOUT TO PROVIDE A FULLY OPERATIONAL SYSTEM. A SYSTEM DEMONSTRATION OF ALL COMPONENTS AND OPERATING CIRCUITS, DEVICES, AND OPERATING FUNCTIONS SHALL BE PERFORMED, AND INSTALLATION, OPERATION, AND MAINTENANCE MANUALS SHALL BE PROVIDED.
 - INSTALL THE EQUIPMENT AND ALL RACEWAYS AND/OR WIRING AS INDICATED AND REQUIRED. THE INSTALLATION AND WIRE SHALL MEET ALL RECOMMENDATIONS OF APPLICABLE CODES AND OF THE EQUIPMENT SUPPLIER AND/OR MANUFACTURER.
 - PROVIDE ALL EQUIPMENT, COMPONENTS, WIRING, MATERIALS, AND SERVICES TO PROVIDE THE SYSTEM COMPLETE IN ALL RESPECTS TO MEET SPECIFICATION FUNCTIONAL REQUIREMENTS.
 - SEQUENCE OF OPERATION: MANUAL PULL STATIONS SHALL INITIATE AUDIBLE AND VISUAL FIRE ALARM DEVICES. AUTOMATIC SMOKE DETECTORS SHALL INITIATE AUDIBLE AND VISUAL FIRE ALARM DEVICES. THE INITIATION OF ANY SMOKE OR DUCT DETECTOR SHALL SHUT DOWN ALL AIR HANDLING UNITS AND INITIATE A SIGNAL AT A THIRD PARTY MONITORING SERVICE. SPRINKLER FLOW AND TAMPER SWITCH SHALL INITIATE AUDIBLE AND VISUAL FIRE ALARM DEVICES. ACTIVATION OF FIRE ALARM SYSTEM SHALL AUTOMATICALLY UNLOCK ALL DOORS, WIRING GROUNDS, FAULTS, DISCONNECTED DEVICES, OR OTHER SYSTEM DISARRANGEMENT SHALL INITIATE TROUBLE SIGNAL AT THE FACP. PROVIDE MEANS TO RESET ALL AIR HANDLER. COORDINATE WITH ALL APPLICABLE TRADES.
 - TESTING: SYSTEMS AND COMPONENTS SHALL BE TESTED AND DEMONSTRATED TO MEET FULL FUNCTIONAL REQUIREMENTS. SPECIFIC TESTS SHALL BE PERFORMED AS SPECIFIED, INDICATED, OR REQUIRED.
- CONFIRM NEW FIRE ALARM SYSTEM WILL COMPATIBLE WITH EXISTING. THE CONTROL PANEL SHALL BE OF INHERENT DEAD-FRONT METAL-ENCLOSED CONSTRUCTION WITH A GLASS FRONT PANEL AND FRONT ACCESSIBLE FOR ROUTINE OPERATION, FUNCTION TESTING, AND MONITORING. BATTERIES FOR EMERGENCY POWER SHALL BE PROVIDED FOR 48 HOUR RUNTIME. THE CONTROL PANEL SHALL BE FLUSH MOUNTED. A TROUBLE UNIT SHALL BE PROVIDED. THE TROUBLE UNITS SHALL PROVIDE AN ALARM SIGNAL AT THE MAIN CONTROL PANEL.
- ELECTRICAL TO PROVIDE ADDRESSABLE DUCT DETECTORS, 120V WIRE AND WIRE TO FACP. MECHANICAL TO INSTALL, COORDINATE FIRE ALARM CONNECTIONS AT HVAC EQUIPMENT WITH FIRE ALARM CONTRACTOR.
- COORDINATE QUANTITIES AND EXACT LOCATIONS OF DUCT DETECTORS WITH MECHANICAL DRAWINGS.
- PROVIDE RED PLAQUE WITH WHITE LETTERING ON PANEL COVER OF PANEL WITH FACP INDICATING FACP BREAKER NUMBER.

GENERAL NOTES:

- WALL TELE/DATA & MISC. LV OUTLETS SHALL HAVE A SINGLE GANG DEVICE RING, AN OUTLET BOX AND A 1" CONDUIT STUBBED UP ABOVE CEILING AND TERMINATED WITH AN INSULATING BUSHING. INSTALL PULL STRING
- MATERIALS FURNISHED SHALL BE NEW. MATERIALS SHALL BE A MANUFACTURER'S STANDARD AND ESTABLISHED PRODUCT LINE, AND SHALL BE LISTED AND LABELED FOR THE APPLICATION BY UNDERWRITER'S LABORATORIES (U.L.), OR SHALL BE CERTIFIED BY OTHER APPROVED LABORATORY OR BY THE BUILDING OFFICIAL HAVING JURISDICTION
- PROVIDE AND INSTALL RIGID METALLIC SLEEVE FOR ALL FIRE WALL PENETRATIONS AND CAULK PER PENETRATION DETAILS
- TV SYSTEMS, DATA/TEL. EQUIPMENT, WIRING, ALL CONDUITS, WALL BOXES AND PULLSTRINGS, WHERE NECESSARY, ARE PROVIDED BY THE GENERAL CONTRACTOR FOR ALL LOW VOLTAGE SYSTEMS.
- ALL WIRING DEVICE COVERPLATES SHALL BE WHITE.
- JUNCTION BOXES FOR ALL SYSTEM DEVICE CONNECTIONS WITHIN MILLWORK CHASE ARE TO BE LOCATED ABOVE THE CEILING WITH CONDUIT DROPS TO CHASE. WHERE LOCATED IN ISLAND STATIONS, TO BE LOCATED AS HIGH IN MILLWORK CHASE AS POSSIBLE TO AVOID PROCESS PIPING.
- CONTRACTOR TO PROVIDE COMPLETE FIRE ALARM SYSTEM PER SPECIFICATIONS.

KEYNOTES:

- OVER-RIDE CONTROL (EMERGENCY SHUT-DOWN) SWITCHES FOR ALL NEW HVAC UNITS. SWITCHES SHALL BE LOCATED ADJACENT TO FIRE ALARM ANNUNCIATOR PANEL OR OTHER LOCATION APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION IN ACCORDANCE WITH NFPA 90A 6-2. COORDINATE WITH MECHANICAL DRAWINGS FOR DETAILS. SEE DETAIL #1 ON SHEET E-1. PROVIDE BOX WITH LABEL.
- PROVIDE ELECTRIC STRIKE/RELEASE. STRIKE RELEASE TO BE INTERLOCKED WITH BUTTION IN CHECK-IN AREA.
- DATA FOR MED GAS MAINFOLDS. PROVIDE AND INSTALL 1" CONDUIT AND PULL STRING TO 4" ABOVE FINISHED CEILING.



2 Fire Alarm Riser
E-4 Scale: NTS

FIRE ALARM OPERATING SEQUENCE SCHEDULE

	DISPLAY MESSAGE ON THE AFFECTED CONTROL PANEL LCD	DISPLAY MESSAGE AT REMOTE ANNUNCIATOR LCD	SUPERVISORY SIGNAL AND LIGHT IN FACP AND CENTRAL STATION NOTIFICATION	TROUBLE SIGNAL AND LIGHT IN FACP AND CENTRAL STATION NOTIFICATION	AUDIBLE AND VISUAL ALARM, CENTRAL STATION AND FIRE DEPARTMENT NOTIFICATION	FAN SHUTDOWN ALL UNIT (GLOBAL)	UNLOCK DOOR (INCLUDING MAN TRAPS)	SYSTEM ALARM PRINTER	HISTORICAL LOG
SPRINKLER WATER FLOW SWITCHES	•	•	•	•	•	•	•	•	•
SPRINKLER TAMPER SWITCHES	•	•	•	•	•	•	•	•	•
ROOM TEMPERATURE SUPERVISORY SWITCH	•	•	•	•	•	•	•	•	•
ROOF TOP UNIT DUCT DETECTORS (SUPPLY & RETURN AIR DUCT)	•	•	•	•	•	•	•	•	•
MANUAL PULL STATIONS	•	•	•	•	•	•	•	•	•
COMMON AREA SMOKE/HEAT DETECTORS	•	•	•	•	•	•	•	•	•
FAULT IN MONITORING CIRCUIT OR COMPONENT	•	•	•	•	•	•	•	•	•
LOSS OF AC OR BATTERY POWER	•	•	•	•	•	•	•	•	•

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REVISION
CONSTRUCTION DOCUMENTATION
ADDENDUM #1

DATE	DESCRIPTION	BY	CHKD
03/12/26	SFJ	SFJ	DEB
04/09/26	SFJ	SFJ	DEB

HOPKIN ORAL SURGERY EXPANSION
USOSM
1377 E 3900 S
SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION
04.10.2026

FLOOR PLAN - SYSTEMS

DRAWN BY: SFJ
DATE: 03/12/26
PROJECT NO: 2025.79
SHEET NO: E-4

Branch Panel: M

Location: LAB 07
Supply From: 5.75" Deep
Mounting: Recessed
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 125 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LIGHTING	20 A	1	0.60	0.72				20 A REC - LOUNGE	2	
3	Spare	20 A	1						20 A REC - REFRIGERATOR	4	
5	AUTOMATIC DOOR	20 A	1						20 A REC - MICROWAVE	6	
7	REC - WAITING ROOM	20 A	1	0.90	1.20				20 A REC - LOUNGE COUNTER	8	
9	REC - CORRIDOR	20 A	1		0.54	0.90			20 A REC - RECEPTION	10	
11	REC. PRINTER RECEPT.	20 A	1			0.50	0.82		20 A REC. LAB	12	
13	REC. OFFICES	20 A	1	1.08	0.36				20 A REC - OPERATORY 6	14	
15	REC - OPERATORY 7	20 A	1		0.36	0.54			20 A REC - OPERATORY 6	16	
17	REC - OPERATORY 7	20 A	1			0.36	0.72		20 A REC - OPERATORY 6	18	
19	REC - OPERATORY 7	20 A	1	0.72	0.36				20 A REC - OPERATORY 6	20	
21	REC - OPERATORY 7	20 A	1		0.36	0.16			20 A EF-4	22	
23	Spare	20 A	1			0.00	0.10		20 A EF-3, EF-4 & EF-5	24	
25	Spare	20 A	1	0.00	0.50				20 A TIMECLOCK	26	
27	Spare	20 A	1			0.00	0.00		20 A Spare	28	
29	Spare	20 A	1			0.00	0.00		20 A Spare	30	
31	Space	--	1	--	--				Space	32	
33	Space	--	1	--	--				Space	34	
35	Space	--	1	--	--		0.36		50 A EXISTING ROOF REC.	36	
37	PANEL EP	60 A	3	2.74	3.00				50 A EXISTING RTU	38	
39	--	--	--	--	--		2.18	3.00	--	40	
41	--	--	--	--	--		--	--	--	42	
Total Load:				12176 VA	7420 VA	9040 VA					
Total Amps:				104 A	62 A	77 A					

Load Classification	Connected Load	Est. Demand	Panel Totals
Lighting	596 VA	745 VA	
Receptacle	15120 VA	12560 VA	Total Conn. Load: 28636 VA
Motor	260 VA	300 VA	Total Est. Demand: 26265 VA
Misc	3300 VA	3300 VA	Total Conn. Current: 79.5 A
Spare	9360 VA	9360 VA	Total Est. Demand Current: 73 A

Notes:

Branch Panel: A (EXISTING)

Location: LAB 07
Supply From: Surface
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 225 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	LIGHTING	20 A	1	0.37	0.50				20 A EXISTING	2	
3	LIGHTING	20 A	1		0.62	0.00			20 A Spare	4	
5	EXISTING LIGHTING	20 A	1			0.50	0.00		20 A Spare	6	
7	EXISTING RTU	50 A	3	3.00	0.00				20 A Spare	8	
9	--	--	--	--	3.00	0.00			20 A Spare	10	
11	--	--	--	--		3.00	1.60		30 A CU-1/AHU-1	12	
13	PANEL B (EXISTING)	100 A	2	9.49	1.60				--	14	
15	--	--	--	--	7.49	--			Space	16	
17	Space	--	1	--	--	--	--		Space	18	
19	Space	--	1	--	--	--	--		Space	20	
21	Space	--	1	--	--	--	--		Space	22	
23	Space	--	1	--	--	--	--		Space	24	
25	Space	--	1	--	--	--	--		Space	26	
27	Space	--	1	--	--	--	--		Space	28	
29	Space	--	1	--	--	--	--		Space	30	
Total Load:				14964 VA	11113 VA	5100 VA					
Total Amps:				132 A	100 A	43 A					

Load Classification	Connected Load	Est. Demand	Panel Totals
Lighting	997 VA	1246 VA	
Receptacle	8880 VA	8880 VA	Total Conn. Load: 31177 VA
AC	3200 VA	3200 VA	Total Est. Demand: 31426 VA
Misc	600 VA	600 VA	Total Conn. Current: 86.5 A
Spare	17500 VA	17500 VA	Total Est. Demand Current: 87 A
Lighting	0 VA	0 VA	

Notes:

Branch Panel: B (EXISTING TO BE RELOCATED)

Location: CORR-2 15
Supply From: A
Mounting: Recessed
Enclosure: Type 1

Volts: 120/208 Single
Phases: 1
Wires: 3

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 100 A

CKT	Circuit Description	Trip	Poles	A	B	Poles	Trip	Circuit Description	CKT	
1	REC - AUTOCLAVE	20 A	1	0.18	0.50			20 A "RED LOCK ON" FACP	2	
3	REC - AUTOCLAVE	20 A	1		0.18	1.18		20 A REC - CORRIDOR	4	
5	REC - STERILIZATION AREA	20 A	1	0.36	1.08			20 A REC - OFFICE	6	
7	CRASH CART	20 A	1		0.75	0.50		20 A Spare	8	
9	*GFI* UNDERCOUNTER FRIDGE STER.	20 A	1	0.75	0.50			20 A EXISTING IT	10	
11	Spare	20 A	1		0.00	0.50		--	12	
13	REC - STERILIZATION AREA	20 A	1	0.54	2.00			30 A EXISTING DRYER	14	
15	REC - OPERATORY 5	20 A	1		0.72	2.00		--	16	
17	REC - OPERATORY 5	20 A	1	0.36	0.50			20 A REC - EXISTING OP TVs	18	
19	REC - OPERATORY 5	20 A	1		0.36	0.36		20 A REC - CBCT	20	
21	EXISTING WASHER	20 A	1	1.50	0.36			20 A REC - OPERATORY 8	22	
23	REC - OPERATORY 5	20 A	1		0.36	0.36		20 A REC - OPERATORY 8	24	
25	Spare	20 A	1	0.00	0.36			20 A REC - OPERATORY 8	26	
27	Space	--	1	--	--	0.72	--	20 A REC - OPERATORY 8	28	
29	Space	--	1	--	0.50	--	--	20 A EXISTING PANO	30	
31	Space	--	1	--	--	--	--	Space	32	
33	Space	--	1	--	--	--	--	Space	34	
35	Space	--	1	--	--	--	--	Space	36	
37	Space	--	1	--	--	--	--	Space	38	
39	Space	--	1	--	--	--	--	Space	40	
41	Space	--	1	--	--	--	--	Space	42	
Total Load:				9490 VA	7490 VA					
Total Amps:				89 A	72 A					

Load Classification	Connected Load	Est. Demand	Panel Totals
Receptacle	8880 VA	8880 VA	
Misc	600 VA	600 VA	Total Conn. Load: 16980 VA
Spare	7500 VA	7500 VA	Total Est. Demand: 16980 VA
			Total Conn. Current: 81.6 A
			Total Est. Demand Current: 82 A

Notes:

Branch Panel: EP

Location: CORR-2 15
Supply From: M
Mounting: RECESSED 5.75" Deep
Enclosure: Type 1

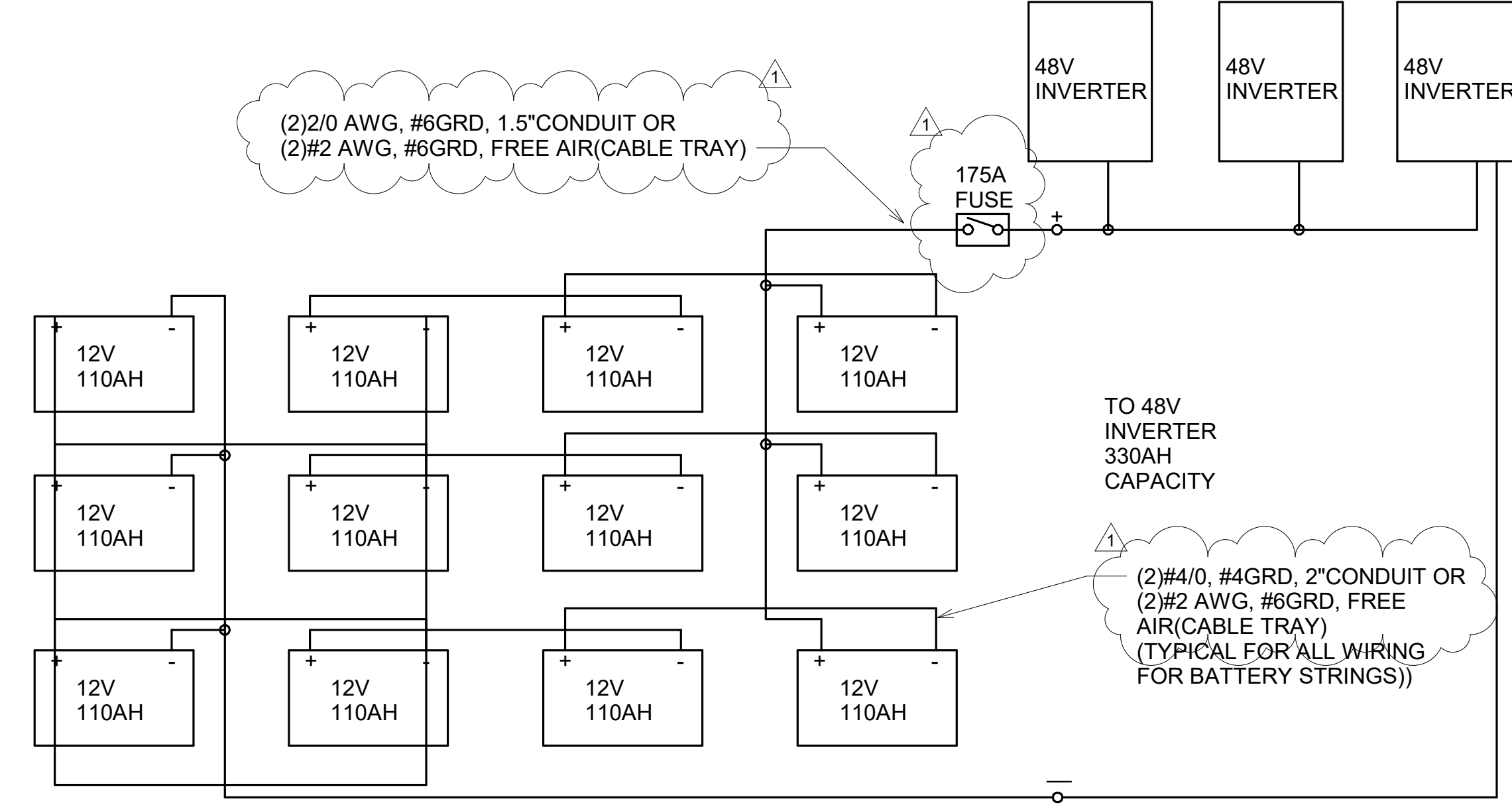
Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MCB
Mains Rating: 60 A
MCB Rating: 60 A

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	OP 8, 5 DENTAL LIGHT	20 A	1	0.20	0.36				20 A REC - OPERATORY 5	2	
3	OP 6, 7 DENTAL LIGHT	20 A	1		0.20	0.36			20 A REC - OPERATORY 6	4	
5	REC - OPERATORY 6 & 7	20 A	1		0.36	0.36			20 A REC - OPERATORY 7	6	
7	REC - OPERATORY 6 & 8	20 A	1	0.36	0.36				20 A REC - OPERATORY 8	8	
9	REC - MED GAS	20 A	1		0.10	0.36			20 A EXISTING OP. CHAIR POWER	10	
11	VACUUM PUMP	20 A	2			1.10	0.36		20 A EXISTING OP. CHAIR POWER	12	
13	--	--	--	1.10	0.36				20 A REC - EXISTING OP.	14	
15	Spare	20 A	1		0.00	0.36			20 A REC - EXISTING OP.	16	
17	Spare	20 A	1			0.00	0.00		20 A FUTURE NURSE CALL	18	
19	Space	--	1	--	0.00	--	--		20 A Spare	20	
21	Space	--	1	--	--	0.00	--		20 A Spare	22	
23	Space	--	1	--	--	--	--		Space	24	
Total Load:				2.74 kVA	1.38 kVA	2.18 kVA					
Total Amps:				24 A	12 A	19 A					

Load Classification	Connected Load	Est. Demand	Panel Totals
Receptacle	3600 VA	3600 VA	
Misc	2700 VA	2700 VA	Total Conn. Load: 6300 VA
			Total Est. Demand: 6300 VA
			Total Conn. Current: 17.5 A
			Total Est. Demand Current: 17 A

Notes:



BATTERY AH CALCULATION
2HR*6300W/48V*90%EFF=236AH

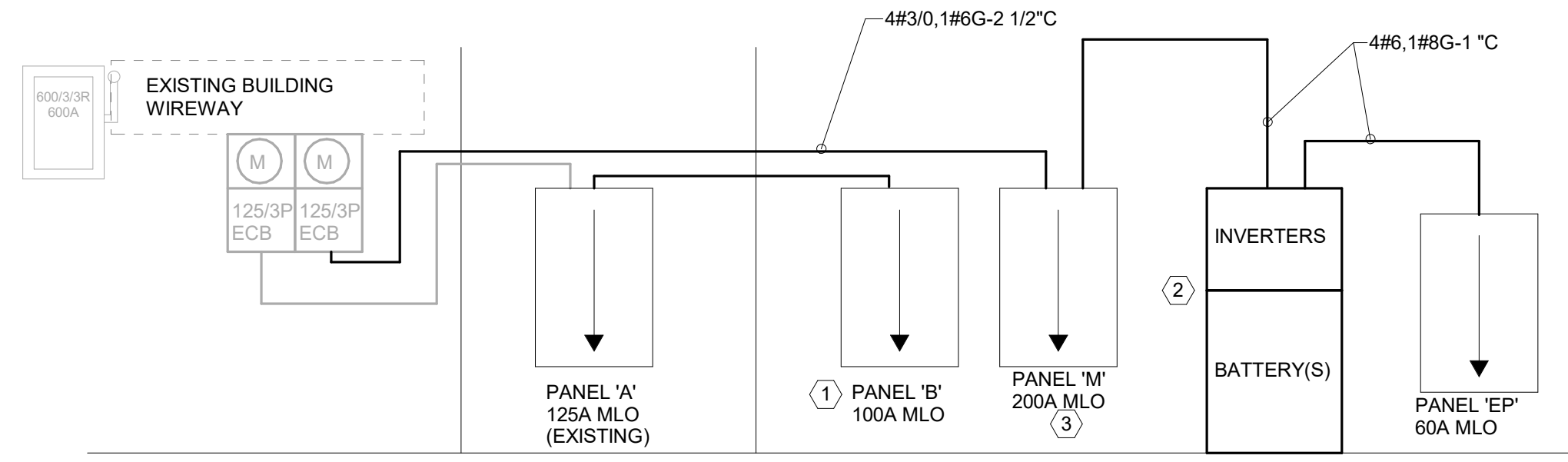
SERIES STRING VOLTAGE
4*12V=48V

WIRE SIZING: BATTERY STRINGS
6300W/3/12V=175A*1.25=218.8A@5% MAX VD=
(2)#4/0 AWG, #4GRD, 1.5" CONDUIT
(2)#1/0 AWG, #6GRD, FREE AIR (CABLE TRAY)

WIRE SIZING: BATTERY STRINGS TO INVERTER
6300W/48V=131.3A*1.25=164.1A@5% MAX VD=
(2)#2/0 AWG, #6GRD, 1.5" CONDUIT
(2)#2 AWG, #6GRD, FREE AIR (CABLE TRAY)

- ### KEYNOTES:
- RELOCATE EXISTING PANEL B. EXTEND EXISTING CONDUITS AND CONDUCTORS OR PROVIDE NEW AS REQUIRED.
 - PROVIDE THREE SOL-ARK 5K-1P-120V POWER INVERTERS WITH 48V 250AH LEAD ACID BATTERY(S) FOR 120 MINUTE RUN TIME IN MIDNIGHT SOLAR MNBE-D CABINET OR EQUAL. MOUNT INVERTERS ABOVE BATTERY CABINET. SEE INVERTER WIRING DIAGRAM FOR 208V/3P WIRING CONFIGURATION. PROVIDE ALL REQUIRED WIRING AND ACCESSORIES FOR BATTERIES AND INVERTERS. SEE WIRING DIAGRAM THIS SHEET.
 - DEMOLISH EXISTING PANEL SERVING EXPANSION SPACE. PROVIDE NEW PANEL M PER PANEL SCHEDULE.

- ### GENERAL NOTES:
- CONTRACTOR SHALL COORDINATE AND VERIFY EXACT FAULT CURRENT RATING WITH LOCAL POWER UTILITY PRIOR TO ORDERING POWER DISTRIBUTION EQUIPMENT.
 - PROVIDE PERMANENT LABEL WITH AVAILABLE FAULT CURRENT AND DATE ON EACH NEW PANEL, METER EQUIPMENT AND DISCONNECTS PER NEC 110.16
 - CONTRACTOR TO PROVIDE CONDUIT TYPES IN ACCORDANCE WITH NEC ARTICLE 300, PVC SCH40 - UNDERSLAB, GRS OR PVC SCH80 - EXPOSED TO DAMAGE OR SERVICE LATERAL CONDUCTORS EXIT TO GROUND, NONEXPOSED - EMT, MC/AC
 - ALL FEEDER WIRING 90DEG C COPPER WITHIN RACEWAYS. INTERIOR WIRING IS TYPE THHN. EXTERIOR WIRING IS THWN, 90 DEG C. MOTOR CONNECTIONS ARE LFMC
 - CONTRACTOR TO PROVIDE LABEL "WARNING! ARC FLASH HAZARD PRESENT WHILE PANEL IS ENERGIZED". MARKINGS SHALL MEET NEC 110.21(B) AND CLEARLY VISIBLE.



1 ELECTRICAL RISER DIAGRAM
Scale: NTS

2 BATTERY WIRING DIAGRAM
Scale: NTS

CLIENT

USOSM

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DATE	DRWN	CHKD	CONSTRUCTION DOCUMENTATION
03/12/26	SFJ	DEB	
04/09/26	SFJ	DEB	

HOPKIN ORAL SURGERY EXPANSION

USOSM
1377 E 3900 S
SALT LAKE CITY, UTAH

NOT FOR CONSTRUCTION

ELECTRICAL PANEL SCHEDULES & DIAGRAM

DRAWN BY: SFJ

DATE: 03/12/26

PROJECT NO: 2025.79

SHEET NO: E-5