



Addendum #1

May 15, 2026

project: Intermountain Health Layton Hospital
Sleep Lab Remodel
201 West Layton Parkway
Layton, Utah 84041

The following revisions, clarifications, and/or additions shall become part of the construction documents for the above-referenced project. In the case of any conflict between the drawings, specifications and this addendum, this addendum shall govern. This addendum becomes part of the bid documents and the cost to install all items covered herein shall be included in the Contractor's bid proposal.

DESCRIPTION:

1. Added text to general note 5 on AD101 Demolition Plan, defining expectations of work when saw cutting floors.
2. Add 5k allowance for removal of the pneumatic tube system. See updated keynote 2.04 on AD101 Demolition Floor Plan.
3. Clarified on demo plan that base cabinets have integral coved base and that GC is to assume that all cabinets will still be in place and need to be demolished. Owner may elect to remove some shelving before start of project. See added general note 6 and keynote 2.14 on AD101 Demolition Plan.
4. Added text to keynote 2.13 which was missing on sheet AD101 Demolition Plan.
5. Added dimension to detail 3&4/A501 to show bottom of existing floor deck is at 15'-4" AFF.
6. Clarified door finish for wood doors is Arborite Modern Mocha Cherry, see door legend on A601 Door Schedule
7. Clarified deferred submittals to Layton City Fire on cover sheet. See updated G100 Title Sheet.

QUESTIONS / ANSWERS:

- Please confirm door 006 is smoke sealed or not. There is a question mark next to the comment Please provide hardware sets for doors listed
 - Door is not required to be smoke rated, the room however is under negative pressure and to help maintain pressure difference we are specifying smoke seals. We have updated the door schedule and door hardware in spec section 087100.
- Are there any details showing the need for the concrete to be recessed at the showers in patient restrooms 013 and 014? The shower areas need to be recessed 2" to accommodate a properly sloped and waterproofed shower pan.
 - We agree that concrete should be recessed. We have added notes to AD101 demolition plan to remove concrete for the area of the shower and on A101 Main

Floor Plan called for slab to be poured with 2" recess. We also added detail 1/A503 for concrete pour back details. The shower area will be similar but with the 2" recess. Note 09.09 added to enlarged plan A401 calling for slope to shower drain. Specification language slightly updated in 093000 Tile to more clearly indicate water proofing at shower floors and walls and to slope floor to drain at maximum of 1/4" per 1'-0".

- Is it possible to get a spec on this door(referring to overhead security door at reception)? Or any details as to the finish and materials?
 - Yes, we have called out door to be Overhead Door model 650 provided with the following options.
 - Manually operated
 - Cylinder lock
 - PowderGuard color finish.

We are open to other manufacturers as long as they can meet those requirements. See notes added to A601.

Please see narrative from Resolut for Mechanical / Plumbing clarifications and revisions.

If any further clarification is needed please contact Curt Hawkes or I.

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MECHANICAL ADDENDUM #1

DATE: May 15, 2026

PROJECT NO: 260005

PROJECT: IH Layton Sleep Lab Remodel Mech Addendum #1

The following revision, additions, deletions, and/or items of clarification shall hereby be included as an integral part of the Contract Documents for the above-listed project and shall be fully binding. All other requirements of the original plans and specification shall remain in effect in their respective order.

DIVISION – 21,22,23,26

SLEEP LAB DRAWINGS

SHEET - PD100 LEVEL 1 PLUMBING UNDERFLOOR DEMO PLAN

1. Revised waste piping demolition for existing sink to be demolished.
2. Revised keyed note 2.

SHEET - PD101 LEVEL 1 PLUMBING DEMO PLAN

1. Added waste piping for sink to be demolished.

SHEET - P101 LEVEL 1 PLUMBING PLAN

1. Changed patient restroom toilets to tank type WC-2.

SHEET - P600 PLUMBING SCHEDULES

1. Added WC-2 to plumbing fixture schedule.

PRIOR APPROVALS

The following manufacturers, trade names and products are allowed to bid on a name brand only basis with the provision that they completely satisfy all and every requirement of the drawings, specifications and all addenda shall conform to the design, quality and standards specified, established and required for the complete and satisfactory installation and performance of the building and all its respective parts.

<u>Item</u>	<u>Manufacturer</u>	<u>Comments</u>
Test and Balance	BCS	Approved

End of Addendum



INTERMOUNTAIN HEALTH LAYTON HOSPITAL SLEEP LAB REMODEL

201 WEST LAYTON PARKWAY
LAYTON, UT 84041



VERO ARCHITECTURE

1480 ORCHARD DRIVE
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INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP
LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

ARCHITECT STAMP

ISSUE DATE:	04/30/2026	
PROJECT NO:	25028	
PROJECT PHASE:		
DRAWN BY:	DF	
CHECKED BY:	BM	
#	DATE	DESCRIPTION
1	2026.05.15	ADDENDUM 1

TITLE SHEET

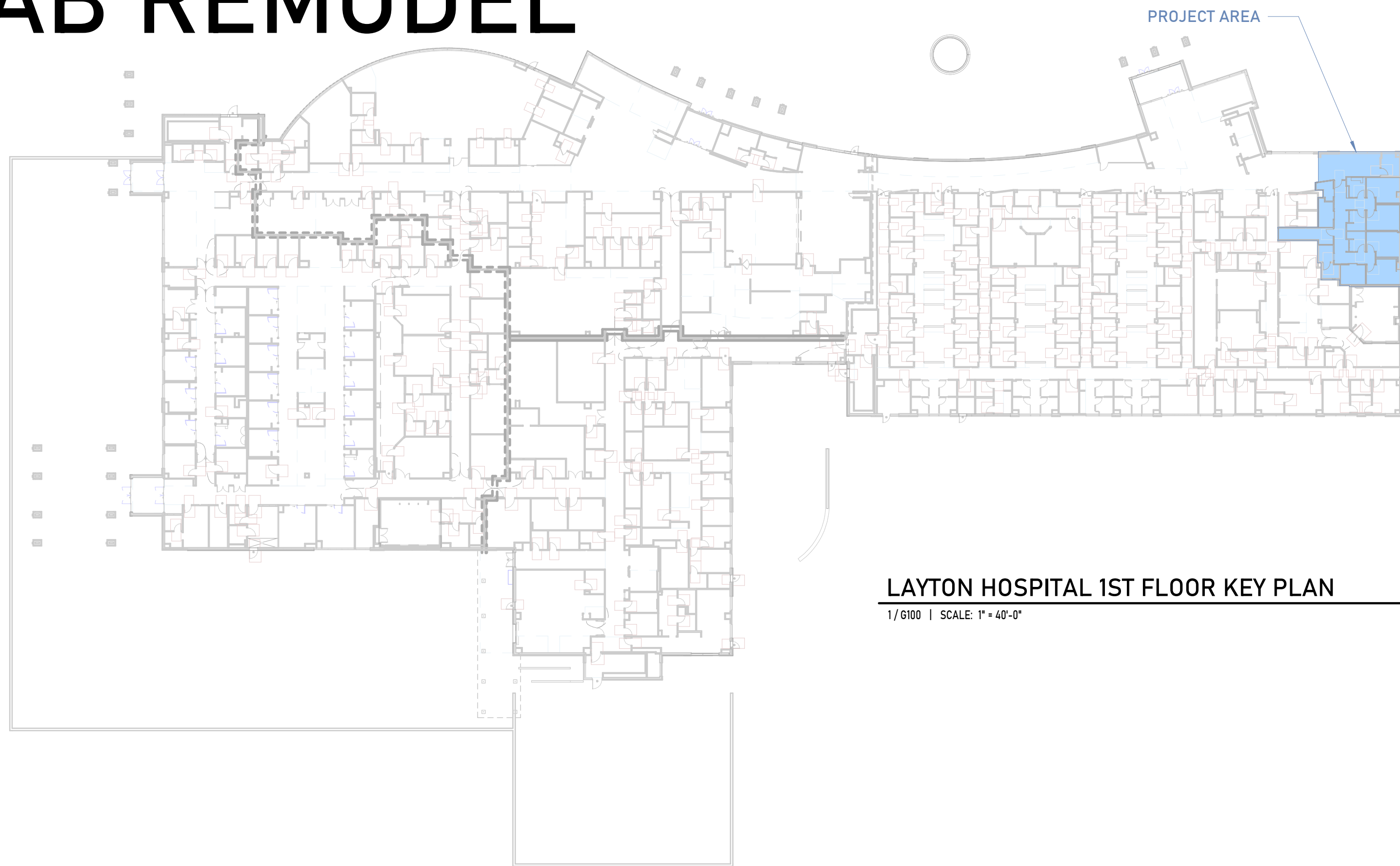
SHEET NAME

G100

SHEET NUMBER

SHEET INDEX

SHEET #	SHEET NAME
GENERAL	
G100	TITLE SHEET
G101	LIFE SAFETY & CODE ANALYSIS
ARCHITECTURAL	
AD101	DEMOLITION PLANS
AD102	DEMOLITION CEILING PLANS
A101	FLOOR PLAN
A111	REFLECTED CEILING PLAN
A121	EQUIPMENT PLAN
A131	FINISH FLOOR PLAN
A401	ENLARGED VIEWS AND ELEVATIONS
A402	ENLARGED VIEWS AND ELEVATIONS
A501	ARCHITECTURAL DETAILS
A502	ARCHITECTURAL DETAILS
A503	ARCHITECTURAL DETAILS
A601	DOOR SCHEDULE
MECHANICAL	
M001	HVAC TITLE SHEET
M2101	LEVEL 1 HVAC ZONE PLAN
MD101	LEVEL 1 MECHANICAL DEMO PLAN
M101	LEVEL 1 MECHANICAL PLAN
MPD101	LEVEL 1 MECHANICAL PIPING DEMO PLAN
MP101	LEVEL 1 MECHANICAL PIPING PLAN
M500	MECHANICAL DETAILS
M400	MECHANICAL SCHEDULES
PLUMBING	
P001	PLUMBING TITLE SHEET
PD100	LEVEL 1 PLUMBING UNDERFLOOR DEMO PLAN
PD101	LEVEL 1 PLUMBING DEMO PLAN
P100	LEVEL 1 PLUMBING UNDERFLOOR PLAN
P101	LEVEL 1 PLUMBING PLAN
MGD101	LEVEL 1 MEDICAL GAS DEMO PLAN
MG101	LEVEL 1 MEDICAL GAS PLAN
P400	PLUMBING ENLARGED VIEWS
P500	PLUMBING DETAILS
P600	PLUMBING SCHEDULES
ELECTRICAL	
EE001	ELECTRICAL COVER SHEET
EE002	SYMBOLS LEGEND
EE003	TELECOM SCHEDULES AND NOTES
EE004	AUXILIARY SCHEDULES AND NOTES
EE501	ELECTRICAL DETAILS
EE701	TYPICAL MOUNTING DETAILS
ED101	LEVEL 1 ELECTRICAL DEMOLITION PLAN
ED102	LEVEL 1 CEILING DEMOLITION PLAN
EP100	LEVEL 1 OVERALL POWER PLAN
EP101	LEVEL 1 POWER PLAN
EP201	LEVEL 1 ELECTRICAL RACEWAY PLAN
EP550	TELECOM EQUIPMENT RACK ELEVATIONS
EP551	TELECOM DETAILS
EP650	TELECOM CONDUIT & CABLE RISER DIAGRAM
EL101	LEVEL 1 LIGHTING PLAN
EL601	INTERIOR LIGHTING FIXTURE SCHEDULE
EL602	LIGHTING CONTROL SCHEDULES
EL603	LIGHTING RELAY & PANEL SCHEDULES
EY101	LEVEL 1 AUXILIARY PLAN
EY650	AUXILIARY DETAIL & RISER DIAGRAMS
FIRE SAFETY	
FX001	FIRE PROTECTION TITLE SHEET
FD101	LEVEL 1 FIRE PROTECTION DEMO PLAN
FI01	LEVEL 1 FIRE PROTECTION PLAN



LAYTON HOSPITAL 1ST FLOOR KEY PLAN

1/6100 | SCALE: 1" = 40'-0"

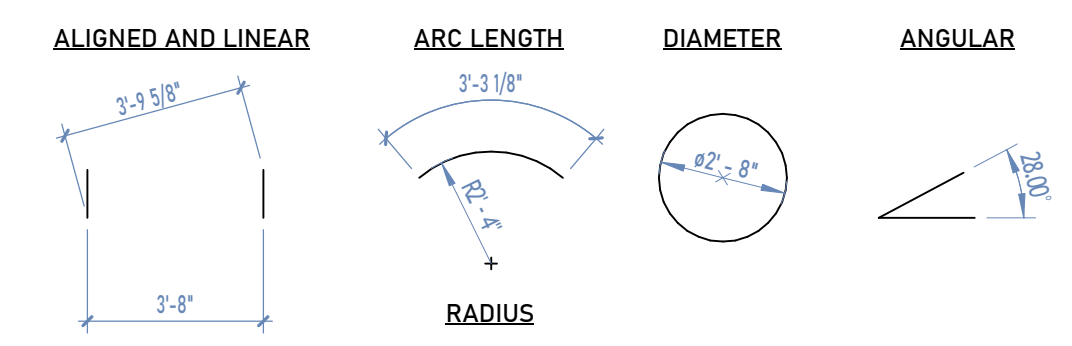
ABBREVIATION LEGEND

A.B.C.	AGREGATE BASE COURSE	H.M.	HOLLOW METAL
A.F.F.	ABOVE FINISH FLOOR	HORIZ.	HORIZONTAL
ALUM.	ALUMINUM	H.W.	HOT WATER
BD.	BOARD	LAV.	LAVATORY
C.J.	CONSTRUCTION JOINT	M.H.	MAN HOLE
CMU	CONCRETE MASONRY UNIT	MTL.	METAL
CONT.	CONTINUOUS	N.I.C.	NOT IN CONTRACT
C.P.	CENTER POINT	OCC.	OCCUPANCY
D.B.	DECK BEARING	O.C.	ON CENTER
DBL.	DOUBLE	OPP.	OPPOSITE
DIA.	DIAMETER	ORD.	OVER FLOW DRAIN
E.J.	EXPANSION JOINT	P.L.	PLASTIC LAMINATE
E.Q.	EQUAL	PLY WD.	PLYWOOD
F.D.	FLOOR DRAIN	P.T.	PRESSURE TREATED
E.I.F.S.	EXTERIOR INSULATION FINISH SYSTEM	RB.	REBAR
F.E.	FIRE EXTINGUISHER	R.C.P.	REFLECTED CEILING PLAN
F.F.E.	FINISH FLOOR ELEVATION	RD.	ROOF DRAIN
F.O.C.	FACE OF CONCRETE	R.T.U.	ROOF TOP UNIT
F.O.S.	FACE OF STUD	S.	SEWER
F.R.T.W.	FIRE RETARDANT TREATED WOOD	S.D.	STORM DRAIN
GA.	GAUGE	SHT.	SHEET
GYP. BD.	GYPSPUM BOARD	SIM.	SIMILAR
H.C. RAMP	HANDICAP RAMP	TYP.	TYPICAL
HD. WD.	HARD WOOD	U.N.O.	UNLESS NOTED OTHERWISE
		VERT.	VERTICAL
		WD.	WOOD
		WR.	WATER RESISTANT

SYMBOLS LEGEND

	CALLOUT TAG
	CENTERLINE SYMBOL
	INTERIOR ELEVATION CALLOUT TAG
	KEYNOTE TAG, REFER TO REFERENCED NOTES ON EACH SHEET
	EXTERIOR (BUILDING) ELEVATION CALLOUT TAG
	ROOM TAG: ROOM NAME, ROOM NUMBER, ROOM AREA
	GRID HEAD
	LEVEL CALLOUT TAG
	NORTH ARROW COMPASS, DIRECTION VARIES
	REVISION CLOUD TAG
	SECTION CALLOUT TAG
	SECTION DIRECTIONAL TAIL
	LEVEL HEAD
	VIEW REFERENCE TAG

DIMENSION TYPES



ARCHITECTURAL TAGS

	DOOR TAG, SEE DOOR SCHEDULE
	FINISH TAG, SEE FINISH SCHEDULE
	WALL TAG, SEE WALL TYPES
	WINDOW TAG, SEE WINDOW TYPES
	CEILING TAG CEILING TYPE, SEE FINISH SCHEDULE HEIGHT ABOVE FINISHED FLOOR
	EQUIPMENT TAG, REFER TO SCHEDULE
	EXTERIOR MATERIAL TAG, SEE LEGEND
	PANEL TYPE TAG, SEE LEGEND

DEFERRED SUBMITTALS

- NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEM REVISIONS TO LAYTON CITY FIRE DEPARTMENT
- FIRE ALARM MODIFICATIONS TO LAYTON CITY FIRE DEPARTMENT, SEE ALSO ELECTRICAL COVER SHEET

GENERAL NOTES

- BRIEFLY, AND WITHOUT FORCE AND EFFECT UPON THE CONTRACT DOCUMENTS, THE SCOPE OF WORK CAN BE SUMMARIZED AS FOLLOWS: WORK INCLUDES CONSTRUCTION OF NEW WALLS AND DOORS AS INDICATED ON THE DRAWINGS, NEW SUSPENDED CEILING & LIGHT FIXTURES MODIFICATIONS TO THE MECHANICAL AND ELECTRICAL SYSTEMS, FLOOR COVERINGS, PAINT AND MILLWORK.
- CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR SUCCESSFUL COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL BE UTAH STATE LICENSED FOR GENERAL BUILDING CLASSIFICATION AND SHALL SECURE ALL PERMITS, OBTAIN INSPECTIONS AND PAY ALL FEES AS MAY BE REQUIRED.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING BID TO DETERMINE TOTAL SCOPE OF WORK REQUIRED FOR SATISFACTORY COMPLETION OF THE PROJECT.
- THE PREMISES SHALL BE KEPT IN A NEAT AND ORDERLY CONDITION FOR THE DURATION OF THE PROJECT.
- CONTRACTOR SHALL CONDUCT ALL WORK WITHOUT INTERFERING WITH THE BUILDING'S OPERATIONS OR INHIBITING ITS TENANTS FROM PERFORMING THEIR WORK. COORDINATE ALL ACTIVITIES WITH THE BUILDING OWNER TO INSURE APPROPRIATE STAGING AND OPERATIONS AREA AND TO INSURE THE SAFETY OF THE PUBLIC AND EMPLOYEES AT ALL TIMES.
- ALL MATERIALS USED IN CONSTRUCTION SHALL BE NEW UNLESS OTHERWISE NOTED. MATERIALS MUST BE DELIVERED TO THE SITE IN ORIGINAL PACKAGING WITH LABELS INTACT.
- ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (LATEST EDITION), INTERNATIONAL MECHANICAL CODE, NATIONAL ELECTRICAL CODE AS WELL AS ANY OTHER GOVERNING REGULATIONS.
- CONTRACTOR SHALL AT ALL TIMES ENFORCE STRICT DISCIPLINE AND GOOD ORDER AMONG HIS EMPLOYEES AND SHALL ENSURE THAT ALL WORK IS PERFORMED BY JOURNEYMAN MECHANICS SPECIFICALLY TRAINED AND CERTIFIED IN THE WORK THEY ARE DOING.
- CONTRACTOR SHALL MAINTAIN AT THE SITE ONE COPY OF ALL DRAWINGS, SPECS, ADDENDA, APPROVED SHOP DRAWINGS, CHANGE ORDERS AND OTHER MODIFICATIONS IN GOOD CONDITION AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. THESE DOCUMENTS, ALONG WITH ANY OPERATING AND MAINTENANCE MANUALS SHALL BE DELIVERED TO THE BUILDING OWNER AT FINAL INSPECTION.
- CONTRACTOR AT COMPLETION OF WORK SHALL LEAVE THE BUILDING CLEAN AND HABITABLE WITH NO ADDITIONAL MAINTENANCE REQUIRED UPON OCCUPANCY UNLESS OTHERWISE INDICATED BY BUILDING OWNER.
- IN GENERAL, DIMENSIONS ARE SHOWN TO FACE OF WALL UNLESS NOTED OTHERWISE.
- ANY ITEMS NOT SPECIFICALLY MENTIONED WILL BE BUILDING STANDARD. VERIFY ANY QUESTIONS WITH ARCHITECT BEFORE SUBMITTING BIDS.
- PAINT ALL NEW WALLS THREE COATS. 1ST COAT: LATEX PRIMER, 2ND & 3RD COATS: LATEX ENAMEL IN COLOR SELECTED BY TENANT. ALL PAINT TO BE BY SAME MANUFACTURER AND APPLIED AS PER MFR'S RECOMMENDATIONS. QUALITY TO BE MFR'S TOP COMMERCIAL GRADE. APPROVED MANUFACTURERS ARE: PRATT & LAMBERT, BENJAMIN MOORE, SHERWIN WILLIAMS, FULLER O'BRIEN AND PITTSBURGH PAINTS.

ICRA GENERAL NOTES

- CONTRACTOR SHALL PROVIDE ALL TEMPORARY PARTITIONS. FINAL LOCATION, STAGING AND CONFIGURATION AS PER OWNER'S DIRECTION.
- DISCONNECT OR ISOLATE HVAC SYSTEM IN CONSULTATION WITH THE ENGINEERING DEPARTMENT IN AREA WHERE WORK IS BEING DONE TO PREVENT CONTAMINATION OF DUCT SYSTEM.
- CONTRACTOR SHALL PROVIDE TEMPORARY EXHAUST FANS, HEPA FILTER UNITS & RELATED DUCTWORK TO PROPERLY VENTILATE SITE DURING DEMOLITION & CONSTRUCTION OPERATION. COORDINATE LOCATION OF EXHAUST OUTLET TO EXTERIOR W/ OWNER'S REPRESENTATIVE.
- MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK SITE UTILIZING HEPA EQUIPPED AIR FILTRATION UNITS OR OTHER METHODS.
- RE-CIRCULATING HEPA UNITS MAY SUPPLEMENT DUST CONTROL MEASURES INSIDE THE WORK AREA.
- ADDITIONAL HEPA FILTRATION UNIT SHOULD BE PLACED & INSTALLED NEAR ALL ENTRANCE AND EXIT TO THE WORK AREA.
- COMPLETE ALL CRITICAL BARRIERS - I.E. GYP BOARD, PLYWOOD, PLASTIC, TO SEAL WORK AREA FROM NON-WORK AREA, OR IMPLEMENT CONTROL CUBE METHOD (CART WITH PLASTIC COVERING AND SEALED CONNECTION TO WORK SITE WITH HEPA VACUUM FOR VACUUMING PRIOR TO EXIT) BEFORE CONSTRUCTION BEGINS.
- TRAFFIC PATTERNS FOR CONSTRUCTION WORKERS SHALL BE THE SAME AS THE MATERIAL DELIVERY ROUTE AND DEBRIS REMOVAL ROUTE. PATTERNS TO BE COORDINATED W/ OWNER REPRESENTATIVE
- PLACE DUST MAT AT ENTRANCE AND EXIT OF WORK AREA AND REPLACE OR CLEAN WHEN NO LONGER EFFECTIVE
- SAFETY WILL INSPECT ALL DUST CONTROL EQUIPMENT.
- KEEP WORK AREA BROOM CLEAN AND REMOVE DEBRIS DAILY
- CONTAIN CONSTRUCTION WASTE BEFORE TRANSPORT IN TIGHTLY SEALED CONTAINERS
- SEAL HOLES, PIPES, CONDUITS, AND PUNCTURES APPROPRIATELY
- USE ONLY DESIGNATED ROUTE TO TRANSPORT MATERIALS OR CONSTRUCTION DEBRIS. AS DIRECTED BY OWNER REPRESENTATIVE.
- CONTRACTOR ACCESS AND WORK HOURS TO BE COORDINATED WITH OWNER.
- ON-SITE DUMPSTERS TO BE SECURED AND COVERED AT ALL TIMES.
- TEMPORARY EXIT SIGNAGE TO BE INSTALLED WHICH ACCOUNTS FOR TEMPORARY PARTITION IN ORDER TO MAINTAIN A CLEAR PATH OF EGRESS.
- REVIEW POTABLE WATER SYSTEM DISRUPTION POLICY IF APPLICABLE.
- ALL TEMPORARY CONSTRUCTION DOORS TO BE SELF-CLOSING, WITH SELF-LOCKING HARDWARE CORRESPONDING APPROPRIATE RATINGS
- DO NOT REMOVE BARRIERS FROM WORK AREA UNTIL COMPLETED PROJECT IS INSPECTED BY THE INFECTION CONTROL DEPARTMENT.
- CONTRACTOR TO CLEAN AREA WITH HEPA FILTERED VACUUM OR WET MOP AS APPROPRIATE TO THE SATISFACTION OF THE PROJECT MANAGER.
- REMOVE ISOLATION OF HVAC SYSTEM IN AREAS WHERE WORK IS BEING PERFORMED.



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CONSULTANTS

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LAYTON HOSPITAL SLEEP
LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

ARCHITECT STAMP

ISSUE DATE: 04/30/2026
PROJECT NO: 25028
PROJECT PHASE:
DRAWN BY: DF
CHECKED BY: BM

#	DATE	DESCRIPTION
1	2026.05.15	ADDENDUM 1

DEMOLITION
PLANS

SHEET NAME

AD101

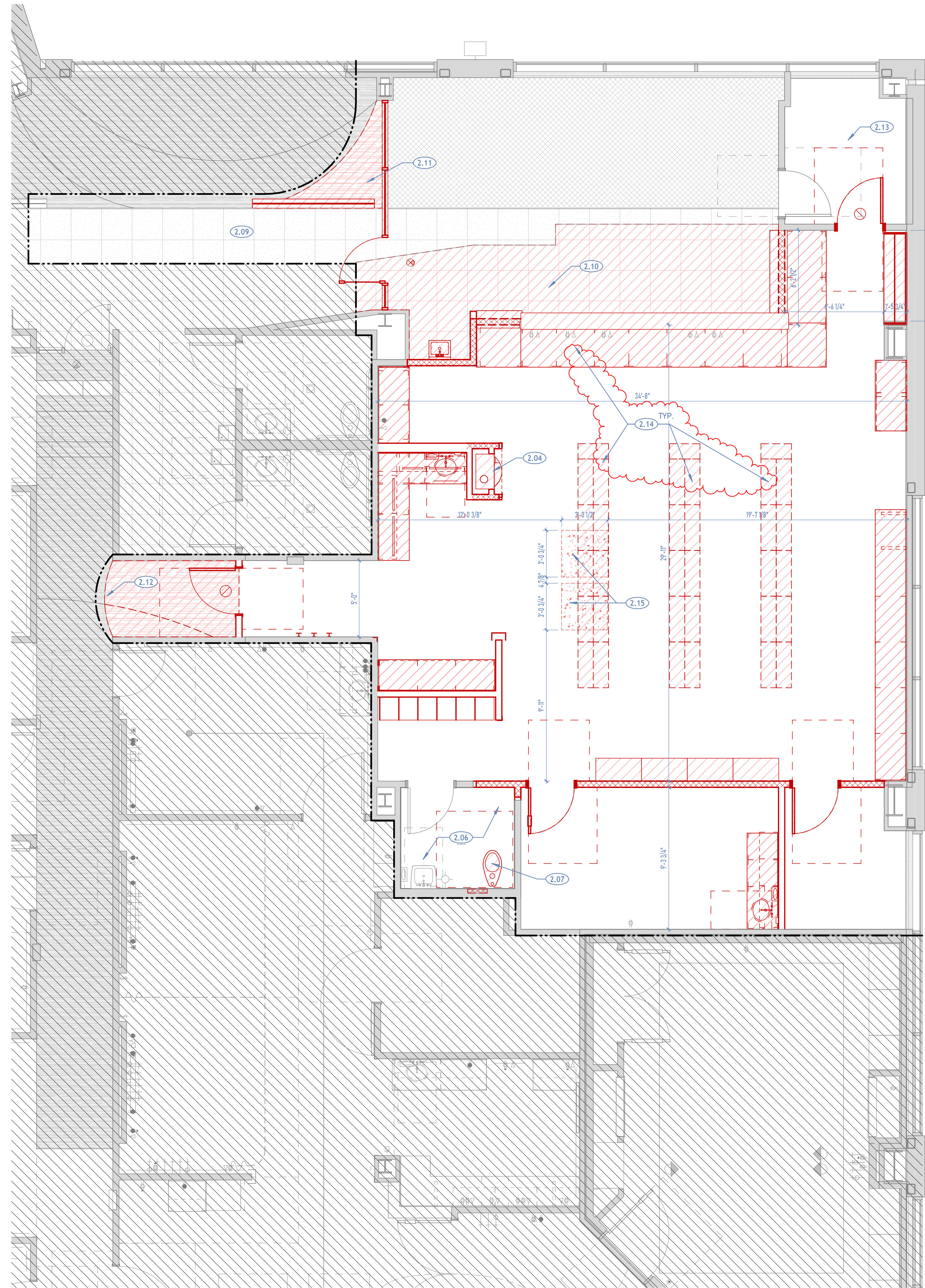
SHEET NUMBER

DEMOLITION GENERAL NOTES

- BATT INSULATION WITHIN WALLS TO REMAIN. ANY THAT IS DAMAGED OR REMOVED FOR WORK MUST BE REPLACED PRIOR TO INSTALLING GYPSUM BOARD
- RED DASHED LINES REPRESENT WALLS, MILLWORK, AND OTHER ARCHITECTURAL ELEMENTS TO BE DEMOLISHED. CAP ANY UNUSED PLUMBING AND ELECTRICAL CONDUIT BELOW FINISH FLOOR. PATCH AND REPAIR FLOOR AS REQUIRED PRIOR TO INSTALLATION OF USED FIXTURES, CLEAN AND TOUCH UP FINISHES OF FIXTURES AS REQUIRED.
- REMOVE ALL EXISTING FLOOR FINISHES INCLUDING WALL BASE, UNLESS NOTED AS "EXISTING TO REMAIN" ON FLOOR PLAN. BE SURE TO REMOVE ALL ADHESIVE, ETC. PATCH AND REPAIR FLOOR AND WALLS AS REQUIRED BEFORE INSTALLING NEW FINISHES
- ALL EXISTING FURNITURE AND EQUIPMENT TO BE REMOVED BY OWNER. ALL NEW FURNITURE AND EQUIPMENT PURCHASED BY OWNER. SEE NEW EQUIPMENT SCHEDULE
- SAW CUT AND PATCH / REPAIR CONCRETE SLAB FOR REMOVAL OF EXISTING PLUMBING LINES AND INSTALLATION OF NEW PLUMBING LINES FOR NEW RESTROOMS AND HAND WASH SINKS. SEE PLUMBING PLANS FOR LOCATIONS AND SEE DETAILS ON A503 FOR CONCRETE REQUIREMENTS. EXPECTATIONS OF OWNER IS THAT GENERAL CONTRACTOR WILL PERFORM DUE DILIGENCE BEFORE CUTTING SLAB INCLUDING SCANNING THE FLOOR, AND THAT CARE WILL BE TAKEN TO AVOID CUTTING ANY UNDER FLOOR UTILITIES.
- NOTE THAT OWNER MAY REMOVE SOME CABINETRY / SHELVING PRIOR TO START OF PROJECT BUT GENERAL CONTRACTOR SHOULD ACCOUNT FOR REMOVING ALL AS SHOWN ON THE PLANS AS PART OF THE PROJECT.

REFERENCED NOTES

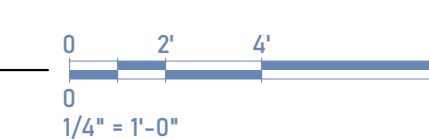
- PNEUMATIC TUBE SYSTEM TO BE REMOVED. PROVIDE A LINE ITEM OF \$5K FOR VENDOR TO REMOVE PER DIRECTION OF FACILITIES. SEE ELECTRICAL FOR ADDITIONAL REQUIREMENTS
- EXISTING FINISHES TO REMAIN
- REMOVE TOILET AND LEAVE PLUMBING IN PLACE FOR NEW TOILET INSTALL.
- ANY WORK WITHIN EXISTING LOBBY (INCLUDING EXHAUST DUCT DEMO AND RE-INSTALL) TO BE DONE AT NIGHT AND MUST BE PUT BACK TOGETHER BEFORE BUILDING RE-OPENS THE NEXT DAY.
- CUT OUT TERRAZZO FLOOR. LINE UP CUTS WITH METAL STUDS TO ALLOW GYP BOARD TO COVER UP EDGE OF CUT FLOOR. REMOVE TERRAZZO BASEBOARD, TO BE RE-USED IF POSSIBLE.
- CUT OUT SHEET VINYL FLOORING
- CUT OUT SHEET VINYL FLOORING, FIELD VERIFY RADIUS TO KEEP THE FISH CUT OUT IN PLACE.
- CUT OUT FLOORING AND EXISTING BASE WITHIN ROOM
- EXISTING CABINETRY HAS INTEGRAL COVERED BASE AND IS TO BE DEMOLISHED.
- DEMOLISH CONCRETE TO ALLOW RECESSED SLAB FOR SHOWER.



DEMOLITION PLAN LEGEND

- EXISTING WALL
- EXISTING STOREFRONT / CURTAIN WALL / WINDOW
- DEMOLISHED WALL, DOOR, ARCHITECTURAL MILLWORK, SHAPE VARIES
- AREA NOT IN PROJECT

1 MAIN FLOOR DEMO PLAN
1/AD101 | SCALE: 1/4" = 1'-0"



GENERAL NOTES

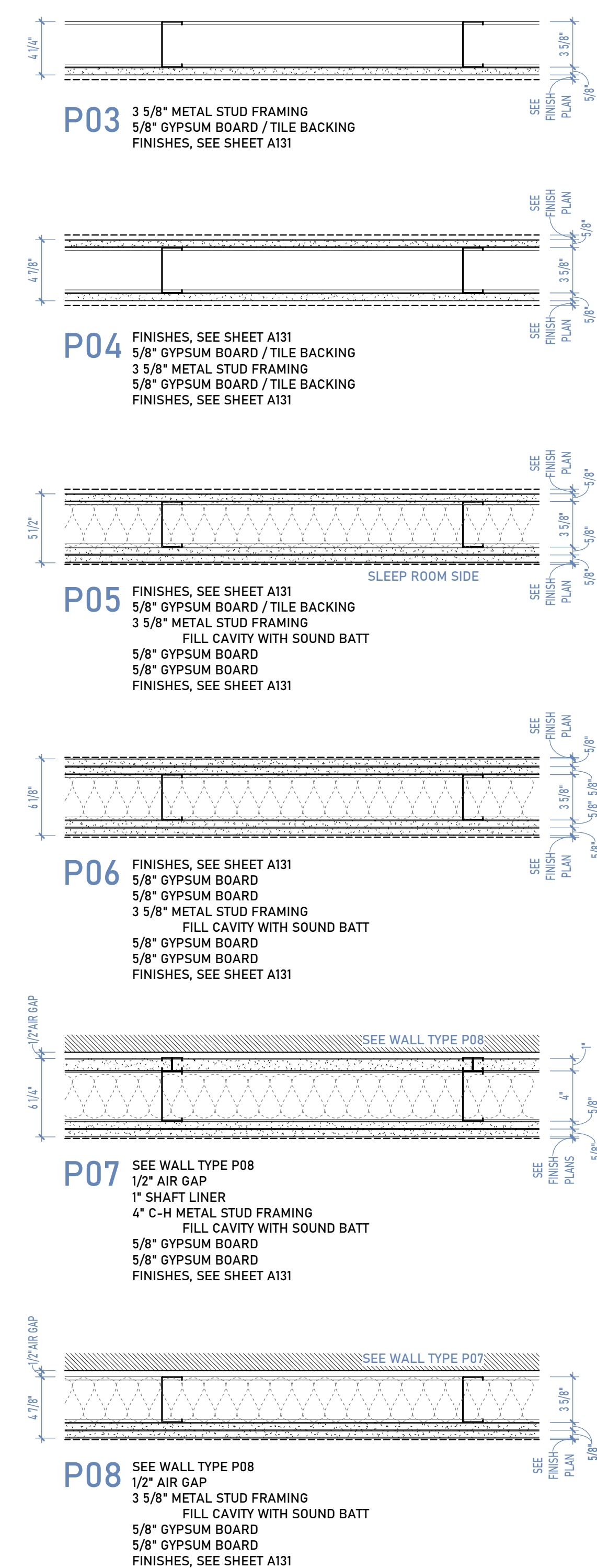
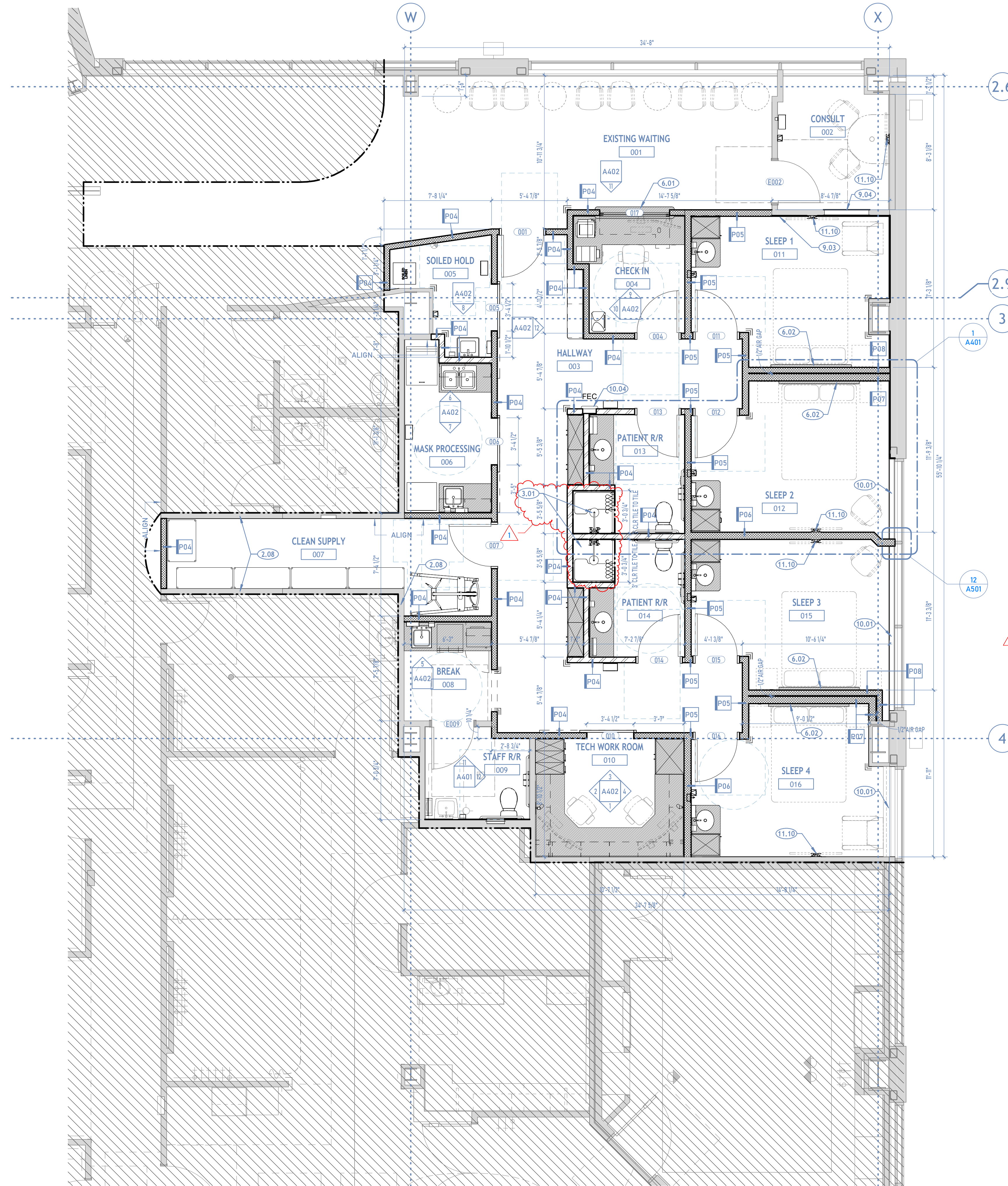
- A. DIMENSIONS ARE TO FACE OF GYPSUM BOARD UNLESS NOTED OTHERWISE.
- B. PROVIDE SOLID FIRE RETARDANT TREATED BLOCKING IN ALL WALLS TO SUPPORT MILLWORK, ADJUSTABLE SHELVING EQUIPMENT ACCESSORIES, PLUMBING FIXTURES AND ACCESSORIES, ETC.
- C. ELECTRICAL OUTLETS ARE TO BE @ 16" A.F.F. UNLESS NOTED OTHERWISE. COORDINATE ALL OUTLETS AND COMMUNICATION CONNECTIONS WITH MILLWORK DRAWINGS ON FINISH PLANS, SO THAT NO OUTLETS ARE PLACED BEHIND MILLWORK. ALL OUTLETS/COMMUNICATION OUTLETS SHALL BE VERIFIED WITH TENANT IN FIELD.
- D. REQUIRED MEANS OF EGRESS AND FIRE PROTECTION SYSTEMS SHALL BE MAINTAINED DURING CONSTRUCTION AND DEMOLITION, REMODELING OR ALTERATIONS AND ADDITIONS TO THE BUILDING. FIRE PREVENTION BUREAU STAFF SHALL APPROVE REVIEW OF ANY EXISTING ALTERATIONS. AS REQUIRED IN IFC SECTION 3311.2
- E. PROVIDE A MINIMUM 2A:10 BC RATED FIRE EXTINGUISHERS WITHIN 75-FOOT TRAVEL DISTANCE TO ALL SPACES IN THE STRUCTURE. DURING CONSTRUCTION, ALTERATION OR DEMOLITION IN THE FOLLOWING AREAS AS REQUIRED IN IFC CHAPTER 33:
 - a. AT EACH STAIRWAY ON ALL FLOOR LEVELS WHERE COMBUSTIBLE MATERIALS HAVE ACCUMULATED.
 - b. IN EVERY STORAGE AND CONSTRUCTION SHED.
 - c. ADDITIONAL PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED WHERE SPECIAL HAZARDS EXIST INCLUDING, BUT NOT LIMITED TO, THE STORAGE AND USE OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.
- F. THERMAL AND SOUND INSULATION AND COVERING WHICH ARE INSTALLED IN CONCEALED AND EXPOSED SPACES AND AS COVERING OVER PIPE AND TUBING SHALL BE TESTED IN ACCORDANCE WITH AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) E 84 AND HAVE A FLAME SPREAD OF 0-25 AND A SMOKE INDEX OF 0-450.
- G. FIRE STOPPING MATERIALS INSTALLED ARE REQUIRED TO HAVE LABELS ON BOTH SIDES OF THE PROTECTED PENETRATION.
- H. FIRE STOPPING MATERIALS FOR NON-FERROUS PIPE, CONDUIT AND OTHER SYNTHETIC MATERIALS SHALL BE COMPATIBLE WITH EACH OTHER.
- I. HOLD PLUMBING LINES, CONDUITS, ETC. AS CLOSE AS POSSIBLE TO STRUCTURAL COLUMNS TO MINIMIZE STUD FRAMED COLUMN WRAPS UNLESS SPECIFIC DIMENSIONS ARE GIVEN.
- J. G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.
- K. G.C. SHALL INSTALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.
- L. ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE "X" GYPSUM BOARD.
- M. G.C. SHALL PROVIDE UL APPROVED FIRE-RESISTIVE PENETRATION SYSTEMS WHERE ANY M.E.P. IS LOCATED IN A FIRE-RATED PARTITION ASSEMBLY.
- N. SEE G101 FOR CODE DIAGRAMS
- O. BATT INSULATION WITHIN WALLS TO REMAIN. ANY THAT IS DAMAGED OR REMOVED FOR WORK MUST BE REPLACED PRIOR TO INSTALLING GYPSUM BOARD

REFERENCED NOTES

- | | |
|-------|---|
| 2.08 | INSPECT EXISTING WALLS AROUND CLEAN SUPPLY TO ENSURE WALLS ARE BUILT TO RESIST THE PASSAGE OF SMOKE, ONE LAYER OF GYP BOARD TO DECK AND PENETRATIONS SEALED WITH COMPLIANT SEALANT, SEE G101 LIFE SAFETY PLAN |
| 3.01 | CONCRETE SLAB ON GRADE RECESSED 2" FROM MAIN LEVEL FINISHED FLOOR TO ALLOW SLOPING FOR SHOWER DRAINS. FOLLOW DETAIL SIMILAR TO 1/A503. |
| 6.01 | TRANSACTION TOP, SEE DETAILS. |
| 6.02 | BUILT-IN HEADBOARD |
| 9.03 | ADD ONE LAYER OF 5/8" GYPSUM BOARD TO EXISTING WALL |
| 9.04 | INFILL WALL, MATCH ASSEMBLY AND FINISH. |
| 10.01 | ROLLER SHADE W/ DUAL CURTAIN BLACK OUT AND 3% |
| 10.04 | SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH ADA ROLLED EDGE AND 1-1/2" WIDE GLASS WINDOW. PROVIDE WITH 5LB 2A:10B.C EXTINGUISHER |
| 11.10 | OWNER PROVIDED TELEVISION, PROVIDE POWER AND DATA. SEE ELECTRICAL. VERIFY HEIGHT WITH OWNER IN FIELD. PROVIDE BACKING FOR TV MOUNT. |

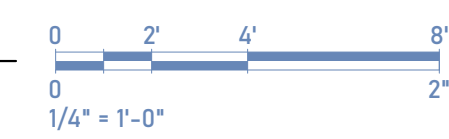
FLOOR PLAN LEGEND

- | | |
|--|---|
| | WALL TAG, SEE WALL TYPES |
| | EXISTING WALL |
| | EXISTING STOREFRONT/CURTAIN WALL SYSTEM |
| | NEW PARTITION - METAL STUDS, 16" O.C. FRAMED A MINIMUM OF 6" ABOVE CEILING. SEE DETAIL 3/A501 |
| | NEW PARTITION TO DECK - METAL STUDS, 16" O.C. SEE DETAIL 2/A501 |
| | ARCHITECTURAL MILLWORK, SEE ENLARGED PLANS, ELEVATIONS, AND DETAILS |
| | ADA REQUIRED CLEARANCES, SEE 1/A501 |
| | AREA NOT IN PROJECT |



1 SLEEP LAB FLOOR PLAN
1/A101 | SCALE: 1/4" = 1'-0"

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



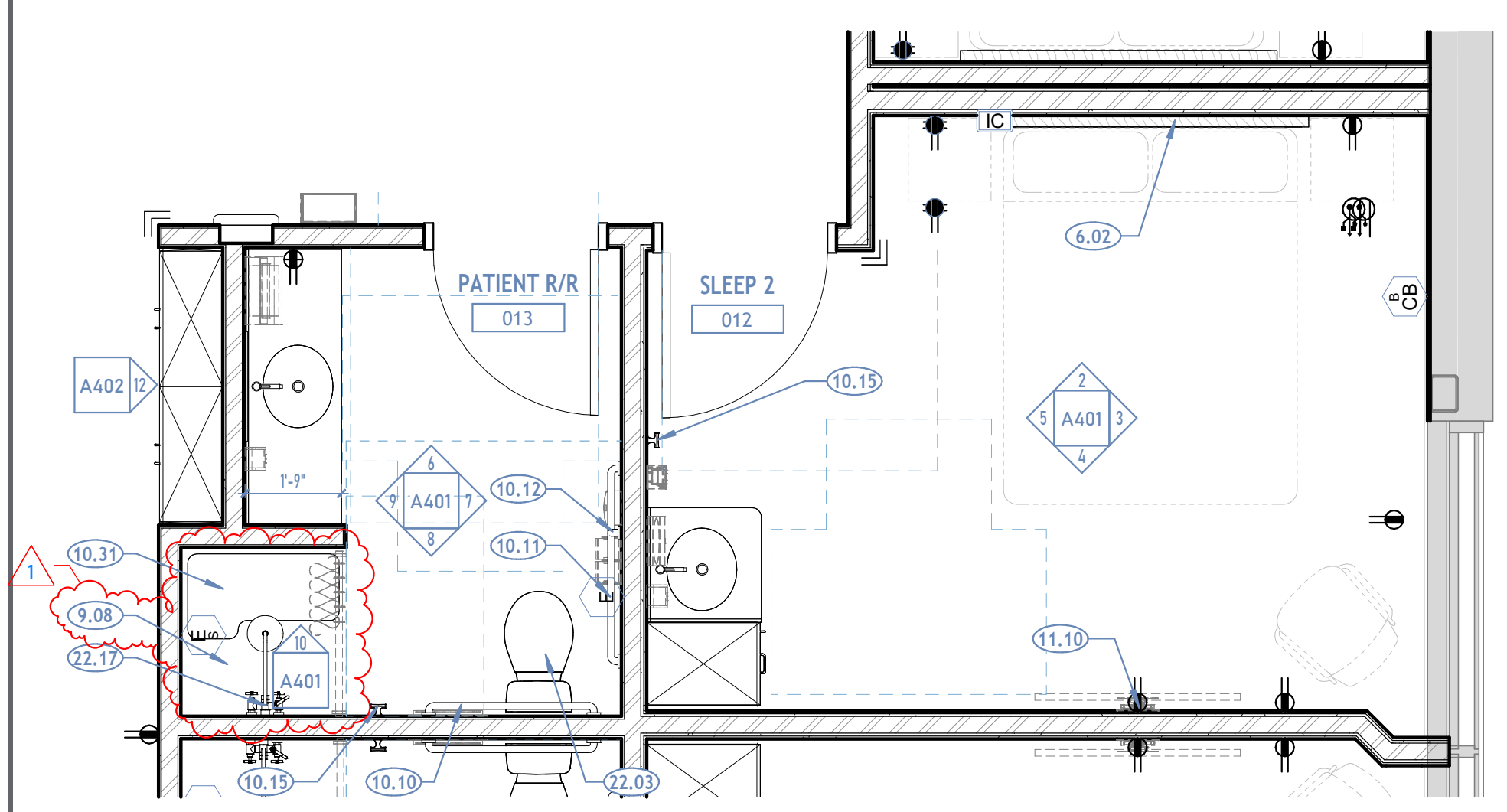
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1	2026.05.15	ADDENDUM 1

MILLWORK GENERAL NOTES

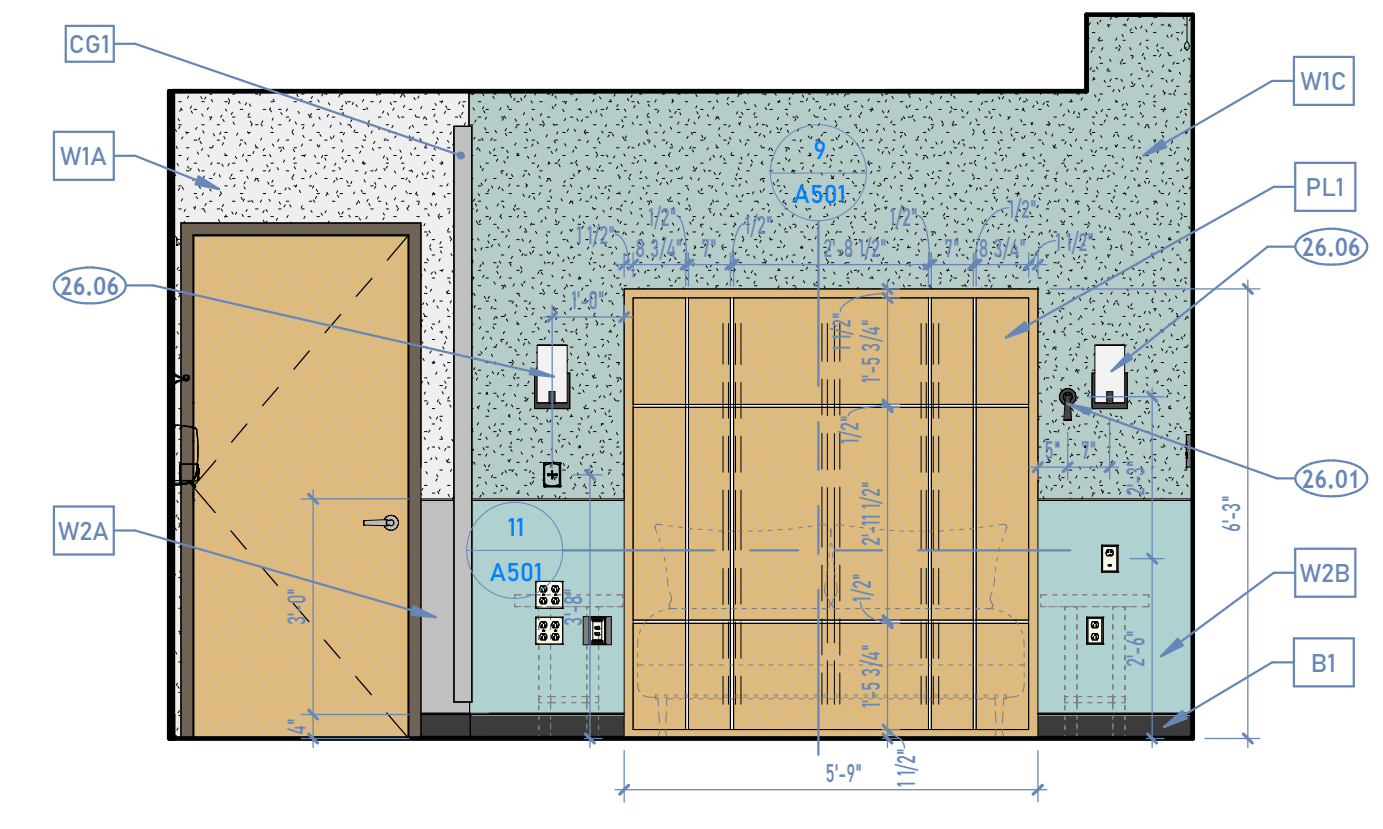
- ALL MILLWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.W.I. STANDARDS FOR REVEAL OVERLAY CONSTRUCTION, CUSTOM GRADE, PROVIDE EUROPEAN HINGES (135 DEGREE) AND HEAVY-DUTY DRAWER GLIDES, PULLS TO BE 4" WIRE PULLS W/ BRUSHED STAINLESS FINISH. VERIFY PULL STYLE WITH OWNER.
- PROVIDE SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND TENANT BEFORE CONSTRUCTION OF MILLWORK.
- ALL VERTICAL SURFACES, INCLUDING TOE KICKS TO BE PL1 UNLESS NOTED OTHERWISE.
- ALL COUNTERTOPS AND BACKSPLASHES TO BE PL3 UNLESS NOTED OTHERWISE.
- VERIFY ALL EQUIPMENT SIZES AND REQUIREMENTS WITH TENANT.
- RADIUS ALL OUTSIDE CORNERS OF COUNTERS 2" WHERE POSSIBLE.
- PROVIDE A LOCKABLE CABINET UNDER ALL SINKS.
- VERIFY LOCATION OF DATA AND ELECTRICAL OUTLETS SO THAT THEY REMAIN ACCESSIBLE. ALL GROMMET LOCATIONS TO BE LOCATED IN THE FIELD BY TENANT AND CUT IN THE FIELD.
- UNLESS NOTED OTHERWISE, PROVIDE MIN. 1 ADJUSTABLE SHELF IN BASE CABINETS AND UPPER CABINETS, AND 3 ADJUSTABLE SHELVES IN FULL HEIGHT CABINETS.
- ALL FILE DRAWERS TO BE CONSTRUCTED IWTH INTEGRAL METAL RAILS FOR HANGING STANDARD SIZE FILE FOLDERS.
- IMPORTANT: TEMPORARILY SUPPORT LOW WALLS UNTIL MILLWORK IS INSTALLED TO PROVIDE STABILITY. ANCHOR MILLWORK SIDES OR BACKS TO LOW WALLS AS POSSIBLE WITH SOLID BLOCKING IN WALLS FOR ATTACHMENT.
- ALL UPPER CABINET MILLWORK SHALL HAVE UNDERCOUNTER LIGHT FIXTURE WHERE MILLWORK OCCURS ABOVE A SINK. COORDINATE WITH ELECTRICAL.

REFERENCED NOTES

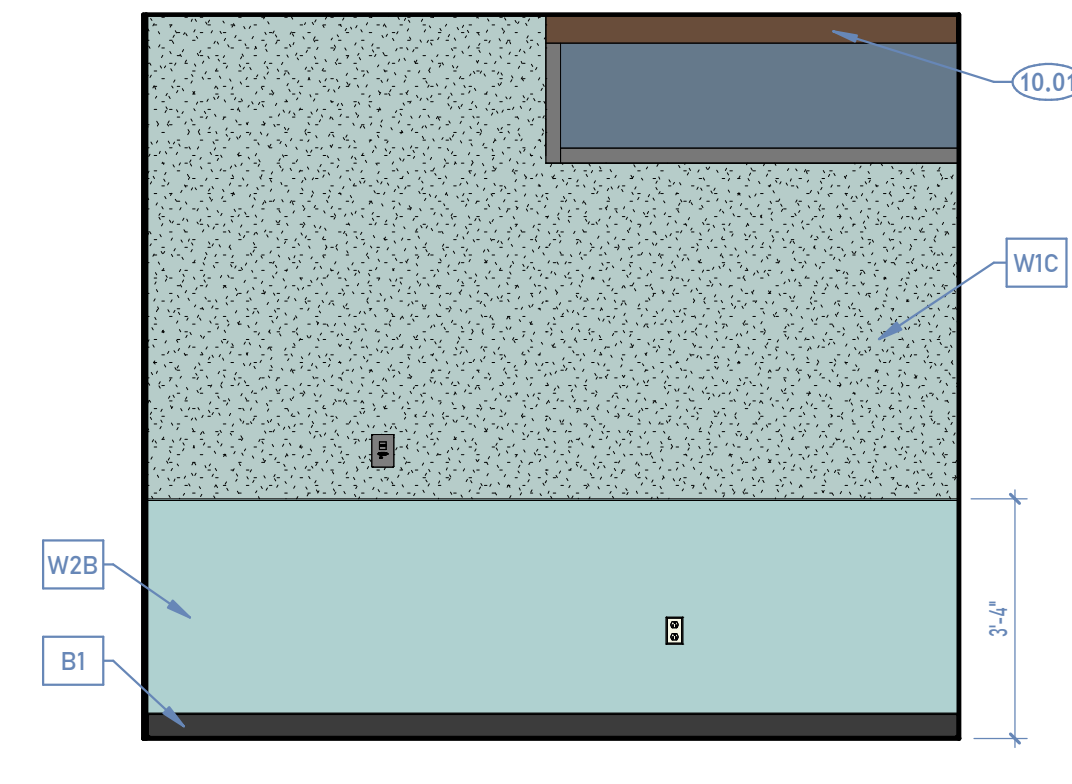
2.02	REINSTALL OWNER PROVIDED BATHROOM ACCESSORIES
2.06	EXISTING FINISHES TO REMAIN
6.02	BUILT-IN HEADBOARD
9.08	SLOPE TILE FLOOR 2% TO SHOWER DRAIN
10.01	ROLLER SHADE W/ DUAL CURTAIN BLACK OUT AND 3%
10.09	MIRROR, 24"X36". BRADLEY MODEL 781 OR APPROVED EQUAL. INCLUDE CONTINUOUS SPACERS AS REQUIRED BEHIND MIRROR TO ALLOW FOR LEVEL INSTALLATION.
10.10	INSTALL 36" LONG STAINLESS STEEL GRAB BAR @ REAR OF TOILET. SEE STANDARD MOUNTING HEIGHT DETAIL 1/A501.
10.11	INSTALL 42" LONG STAINLESS STEEL GRAB BAR @ SIDE OF TOILET. SEE STANDARD MOUNTING HEIGHT DETAIL 1/A501.
10.12	INSTALL 18" LONG VERTICAL STAINLESS STEEL GRAB BAR ABOVE 42" SIDE GRAB BAR. BOTTOM OF VERTICAL GRAB BAR TO BE INSTALLED @ 39" A.F.F. SEE RESTROOM ELEVATION. SEE STANDARD MOUNTING HEIGHT DETAIL 1/A501.
10.15	WALL MOUNTED COAT HOOK
10.31	INSTALL ADA SHOWER BENCH, FOLDABLE, 250 LB. CAPACITY MIN.
10.39	NURSE CALL, SEE ELECTRICAL.
11.10	OWNER PROVIDED TELEVISION, PROVIDE POWER AND DATA. SEE ELECTRICAL. VERIFY HEIGHT WITH OWNER IN FIELD. PROVIDE BACKING FOR TV MOUNT.
22.03	TOILET, SEE PLUMBING.
22.17	HAND SHOWER WITH CONTROL WITH A NONPOSITIVE SHUT-OFF FEATURE. HOSE TO BE 59" MINIMUM IN LENGTH AND MOUNTED ON VERTICAL BAR INSTALLED SO AS TO NOT OBSTRUCT THE USE OF THE GRAB BARS.
26.01	MINI WALL MOUNTED READING SPOT LIGHT, SEE ELECTRICAL.
26.06	WALL SCENCE LIGHT FIXTURE, SEE ELECTRICAL.
26.08	WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL.



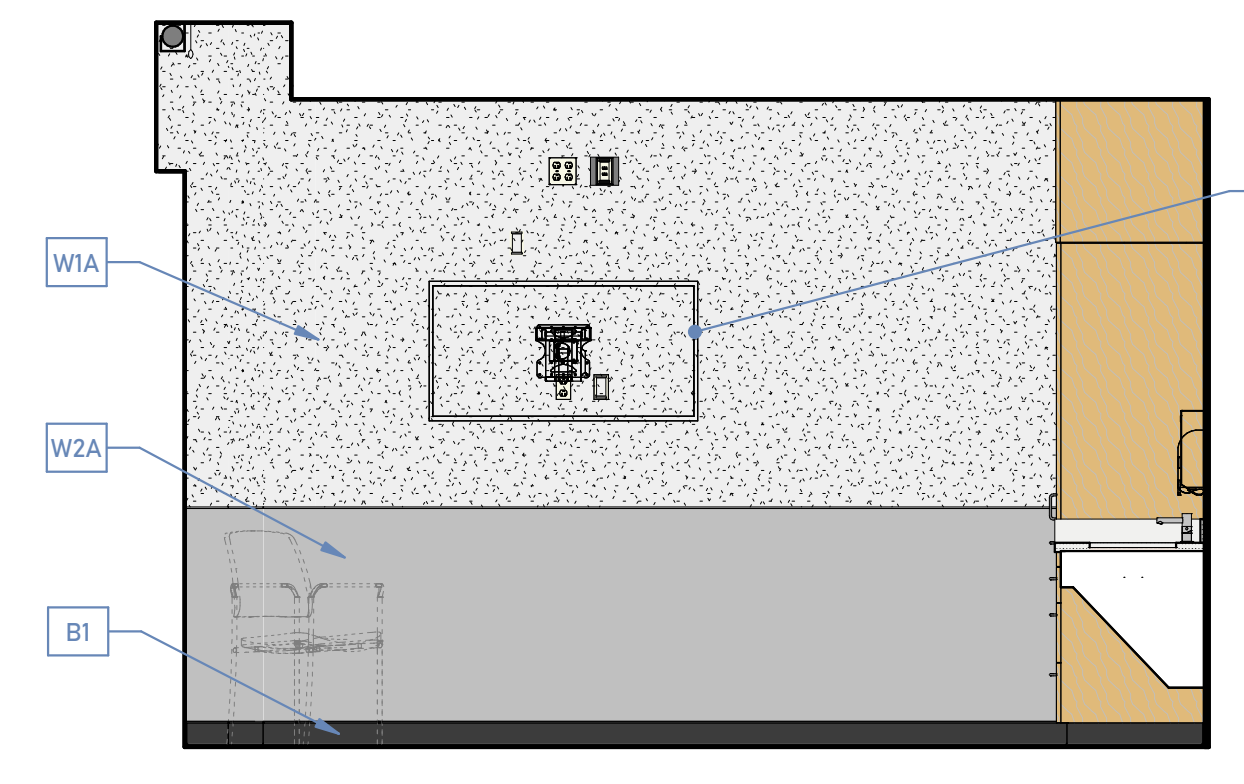
1 SIM. SLEEP ROOM AND PATIENT R/R PLAN
1/A401 | SCALE: 3/8" = 1'-0"



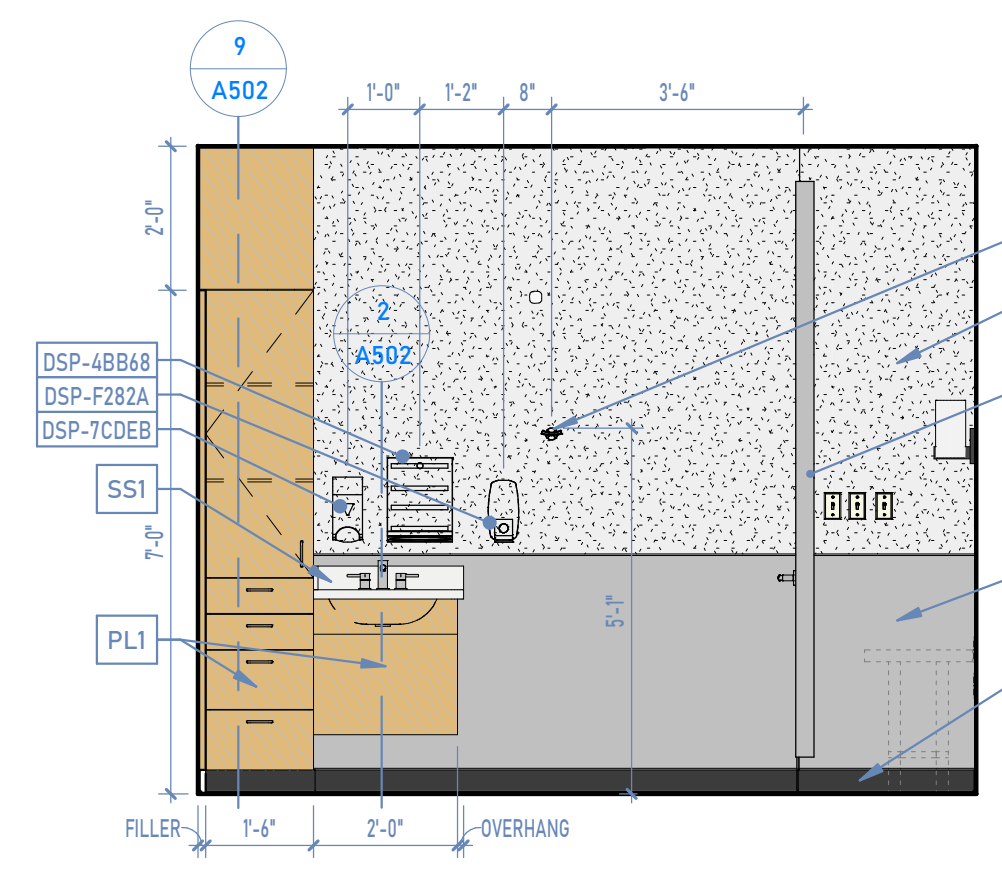
2 SLEEP ROOM HEAD WALL
2/A401 | SCALE: 3/8" = 1'-0"



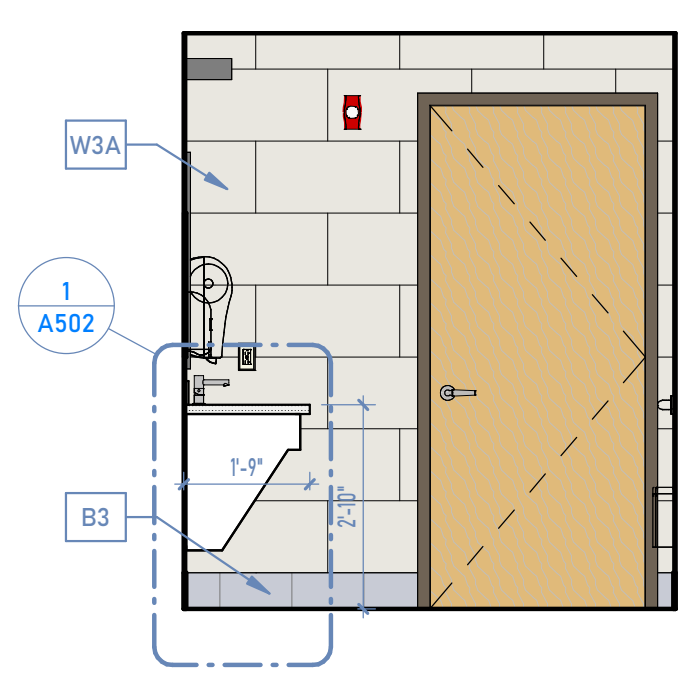
3 SLEEP ROOM EXTERIOR WALL
3/A401 | SCALE: 3/8" = 1'-0"



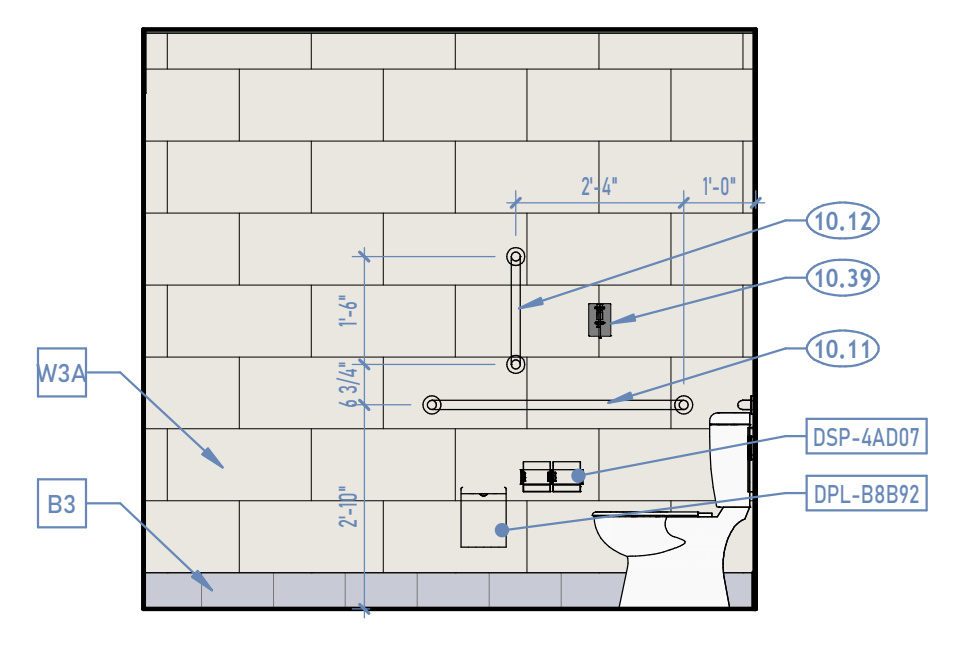
4 SLEEP ROOM TV WALL
4/A401 | SCALE: 3/8" = 1'-0"



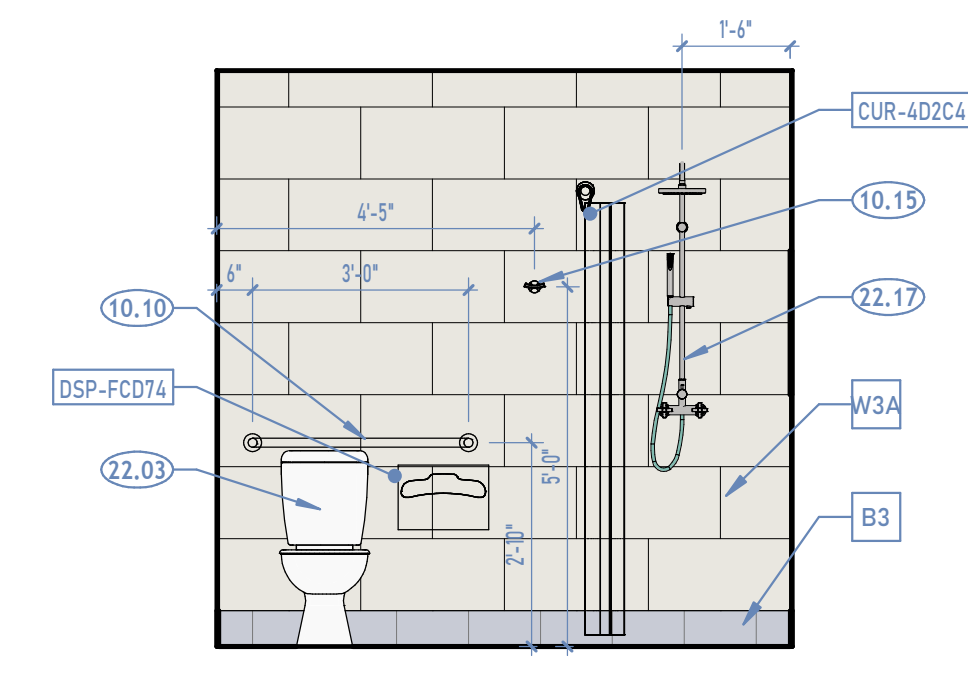
5 SLEEP ROOM CABINET WALL
5/A401 | SCALE: 3/8" = 1'-0"



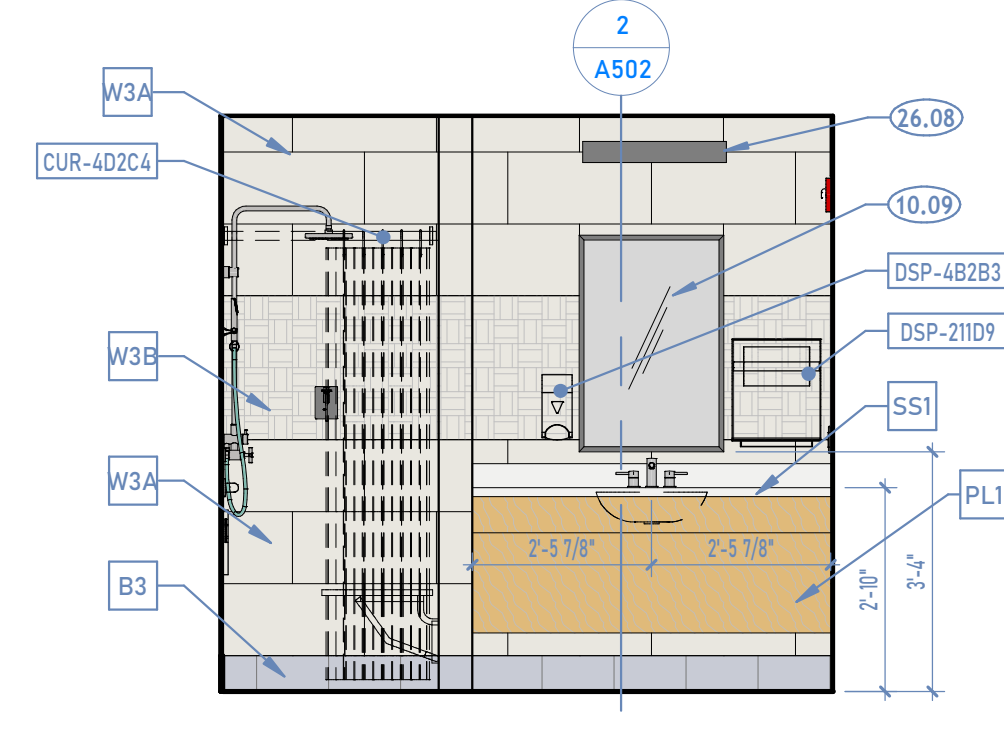
6 RESTROOM ENTRY WALL
6/A401 | SCALE: 3/8" = 1'-0"



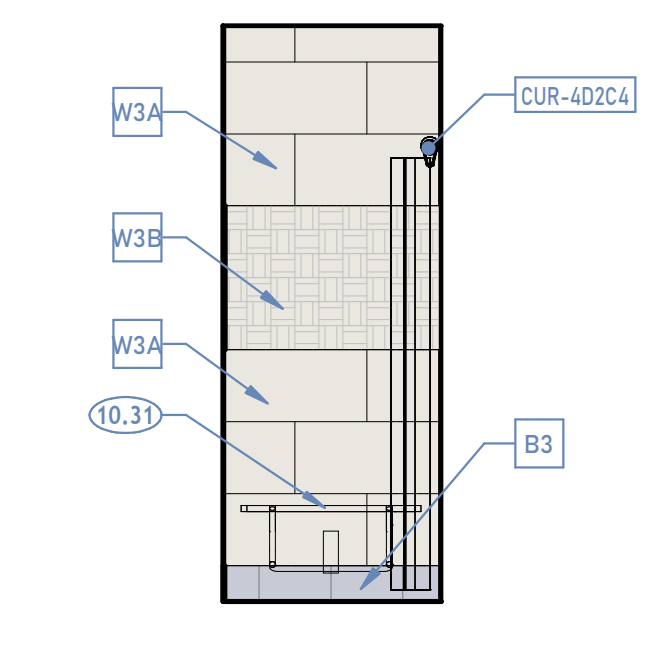
7 RESTROOM - TOILET SIDE WALL
7/A401 | SCALE: 3/8" = 1'-0"



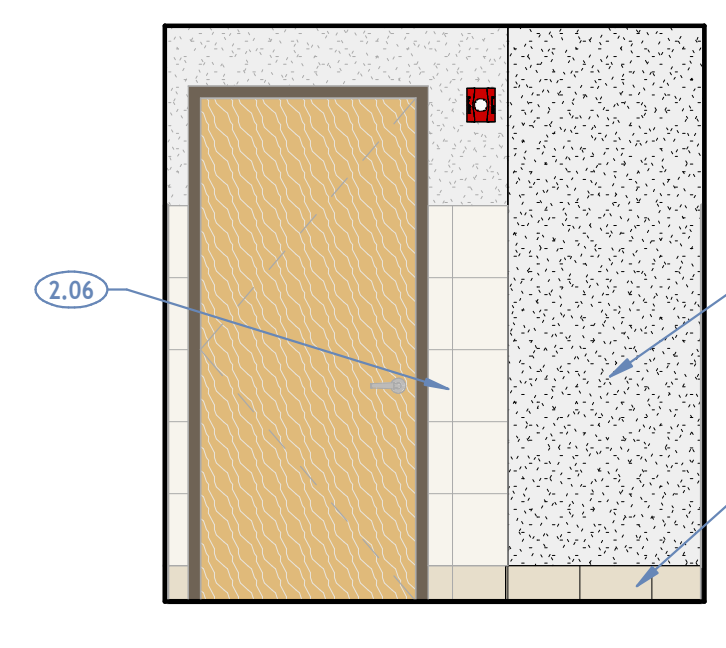
8 RESTROOM - TOILET / SHOWER
8/A401 | SCALE: 3/8" = 1'-0"



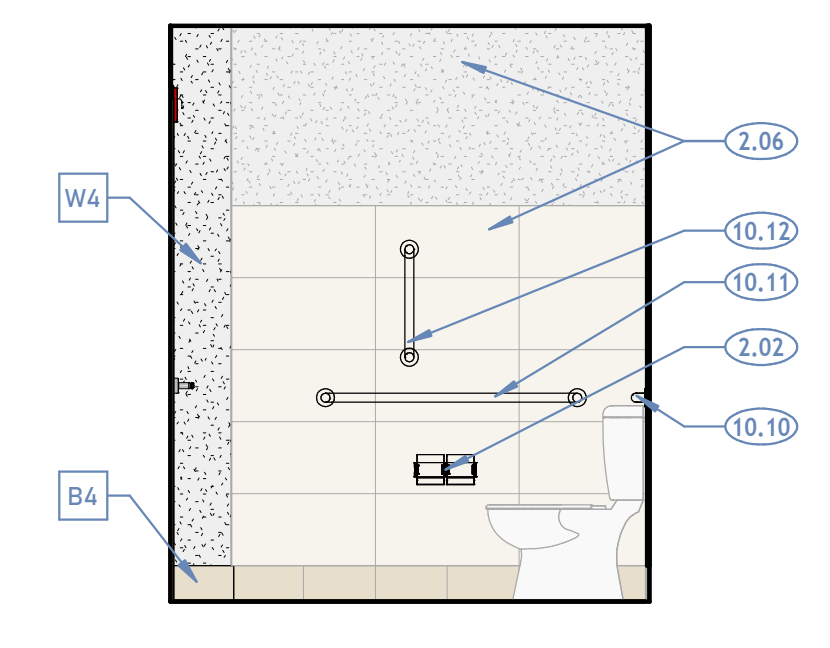
9 RESTROOM - VANITY WALL
9/A401 | SCALE: 3/8" = 1'-0"



10 SHOWER BACK WALL
10/A401 | SCALE: 3/8" = 1'-0"



11 STAFF RR NORTH
11/A401 | SCALE: 3/8" = 1'-0"



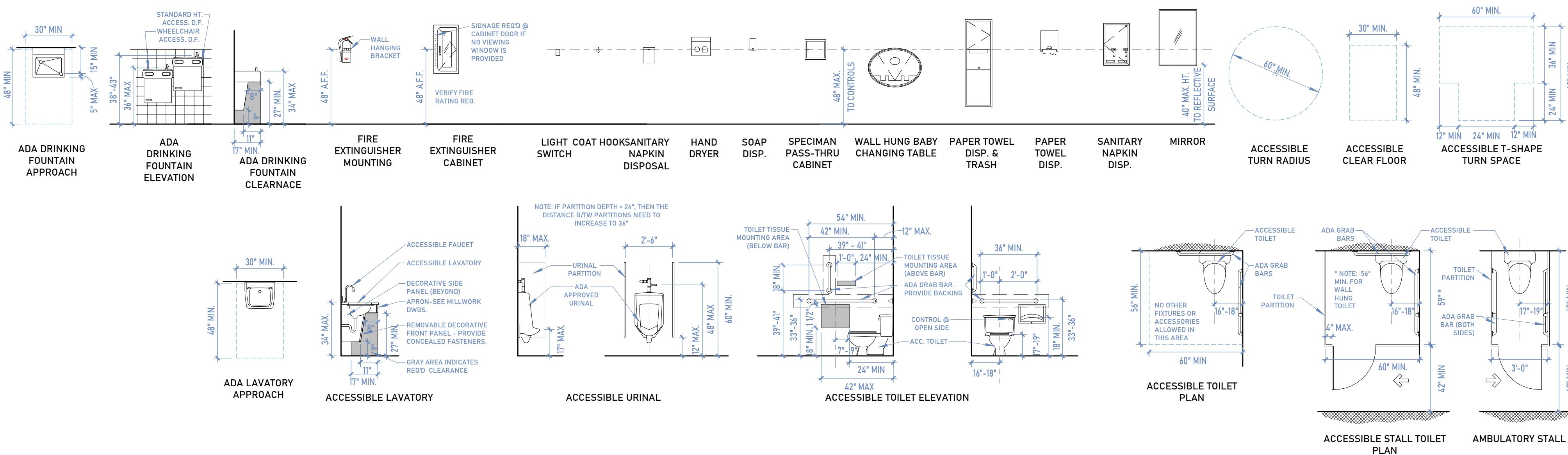
12 STAFF RR EAST
12/A401 | SCALE: 3/8" = 1'-0"

MILLWORK FINISH LEGEND

- ? FINISH TAG
- PL1 PLASTIC LAMINATE 1 - ARBORITE MOCHA MODERN CHERRY W465
- SS1 SOLID SURFACE COUNTERTOP - CORIAN CLAM SHELL

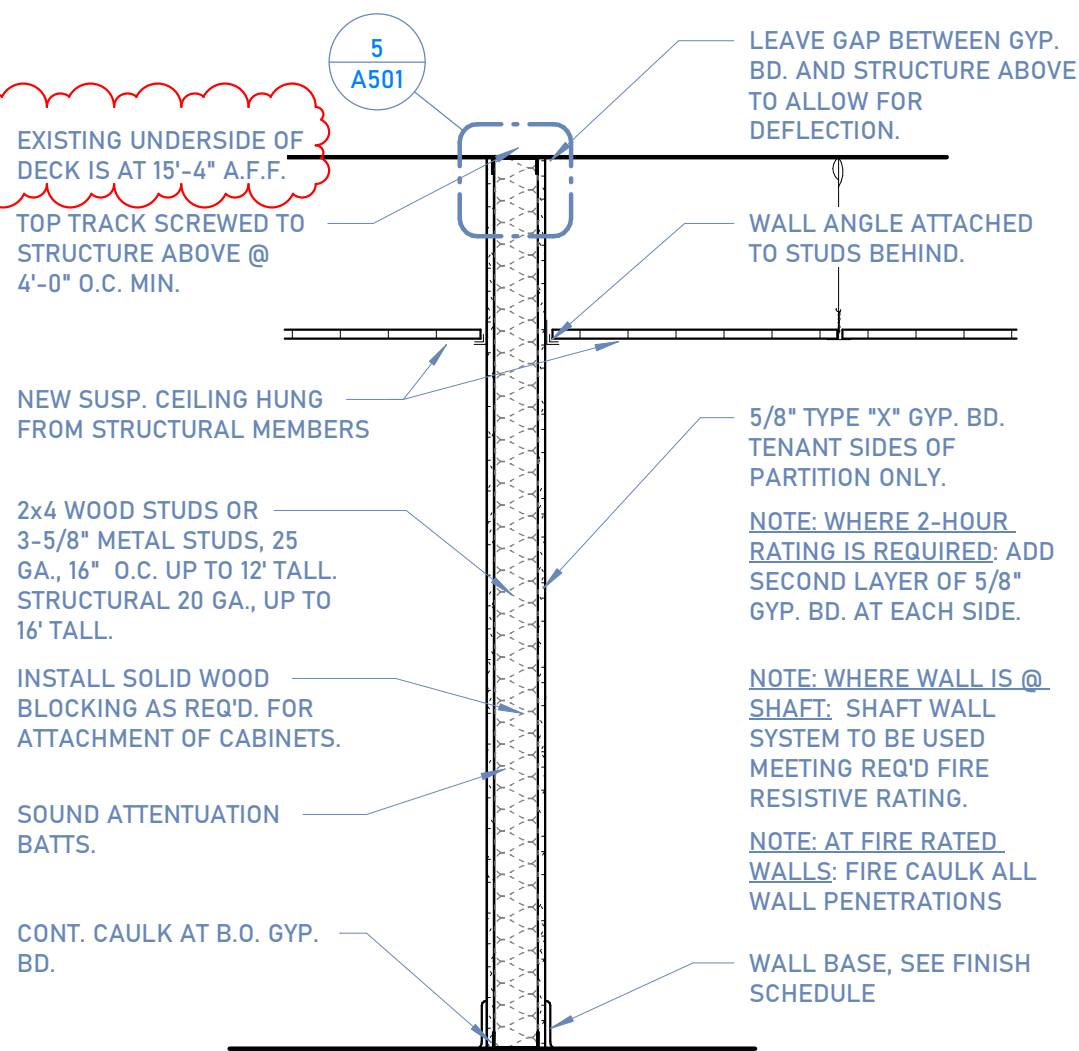
ISSUE DATE:	04/30/2026
PROJECT NO:	25028
PROJECT PHASE:	
DRAWN BY:	DF
CHECKED BY:	BM

#	DATE	DESCRIPTION
1	2026.05.15	ADDENDUM 1



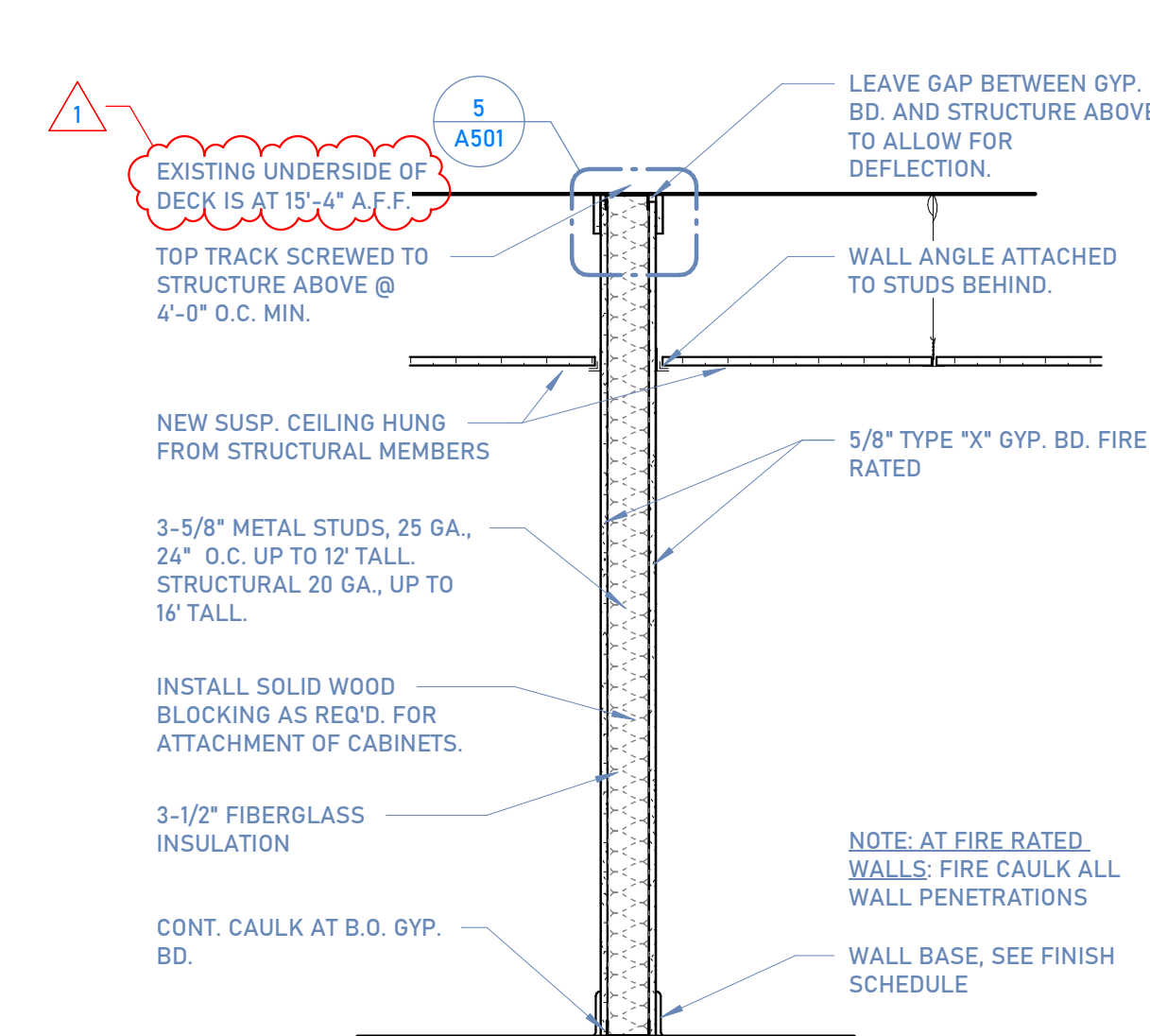
1 STANDARD MOUNTING HEIGHTS

1/A501 | SCALE: 1/4" = 1'-0"



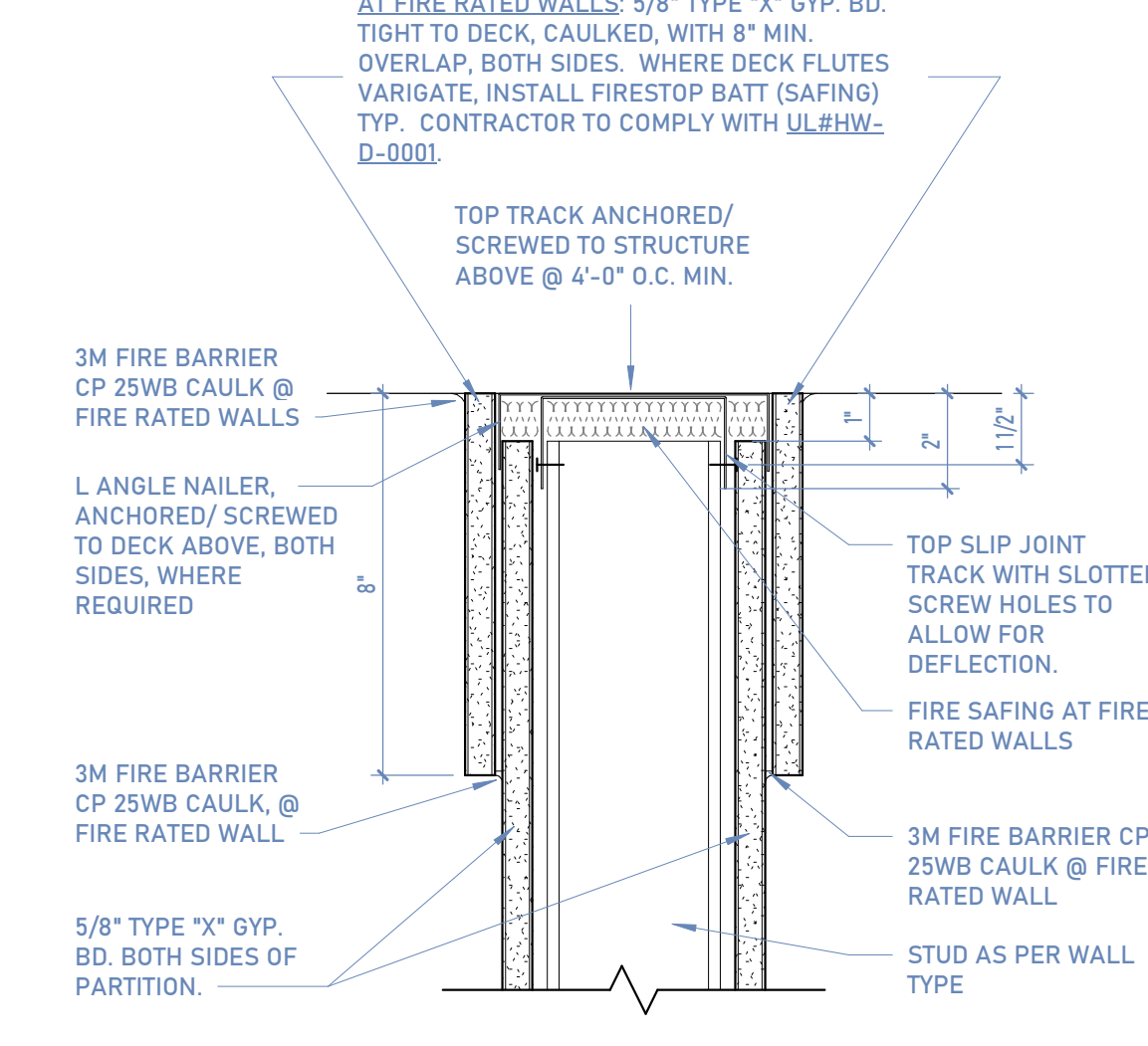
3 PARTITION - DEMISING WALL

3/A501 | SCALE: 3/4" = 1'-0"



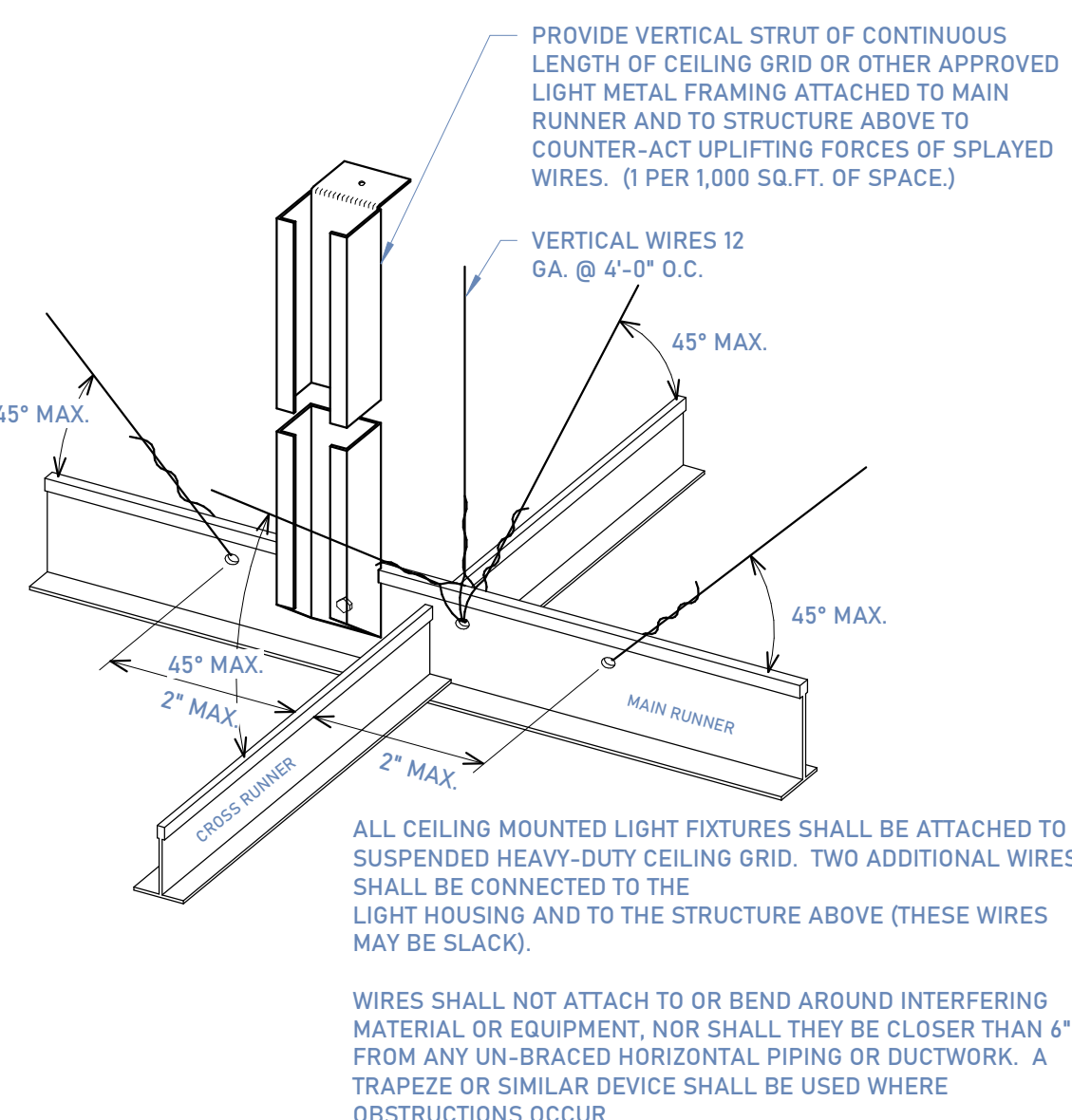
4 PARTITION - UL U419 1-HOUR

4/A501 | SCALE: 3/4" = 1'-0"



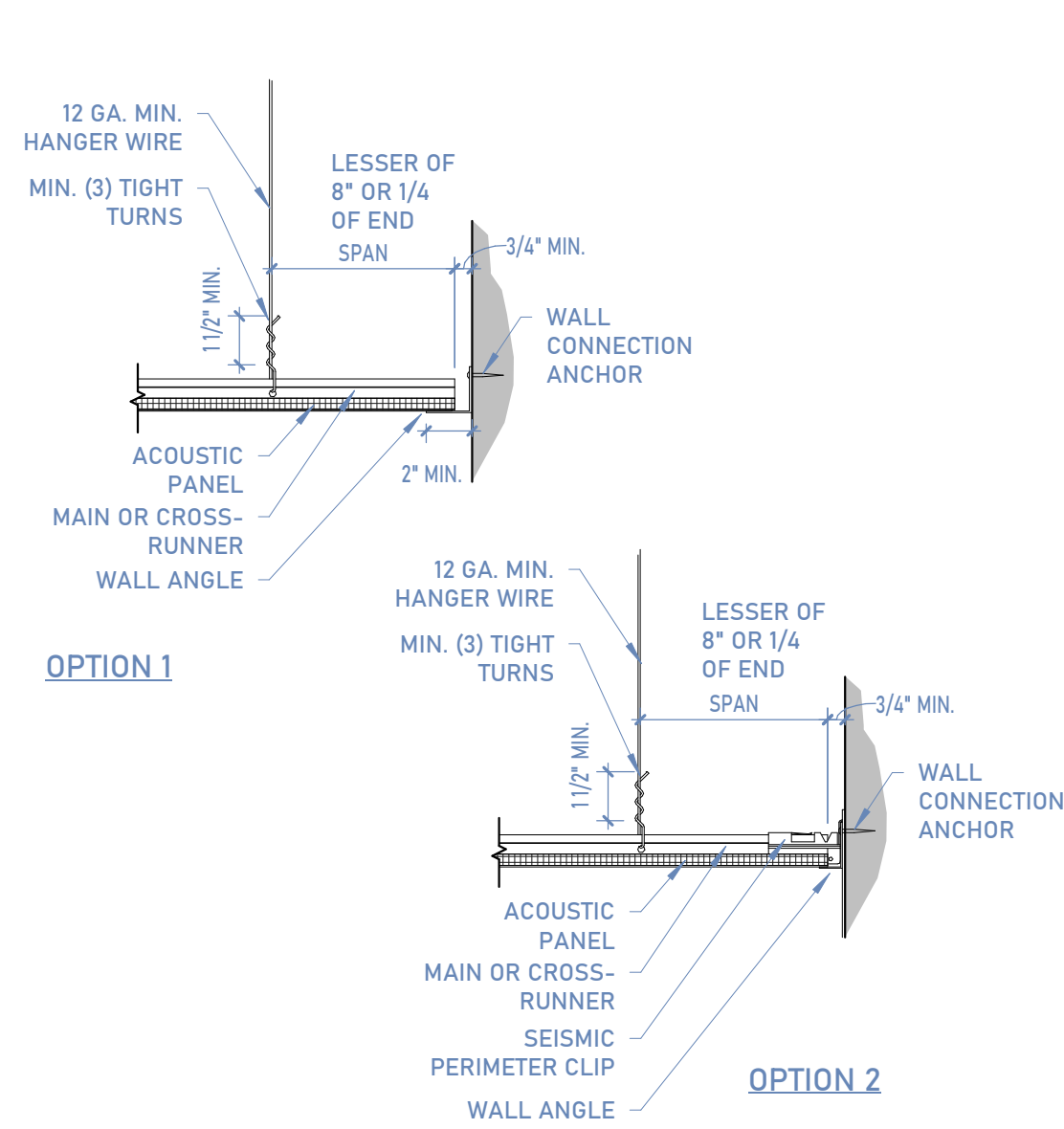
5 SLIP JOINT

5/A501 | SCALE: 3" = 1'-0"



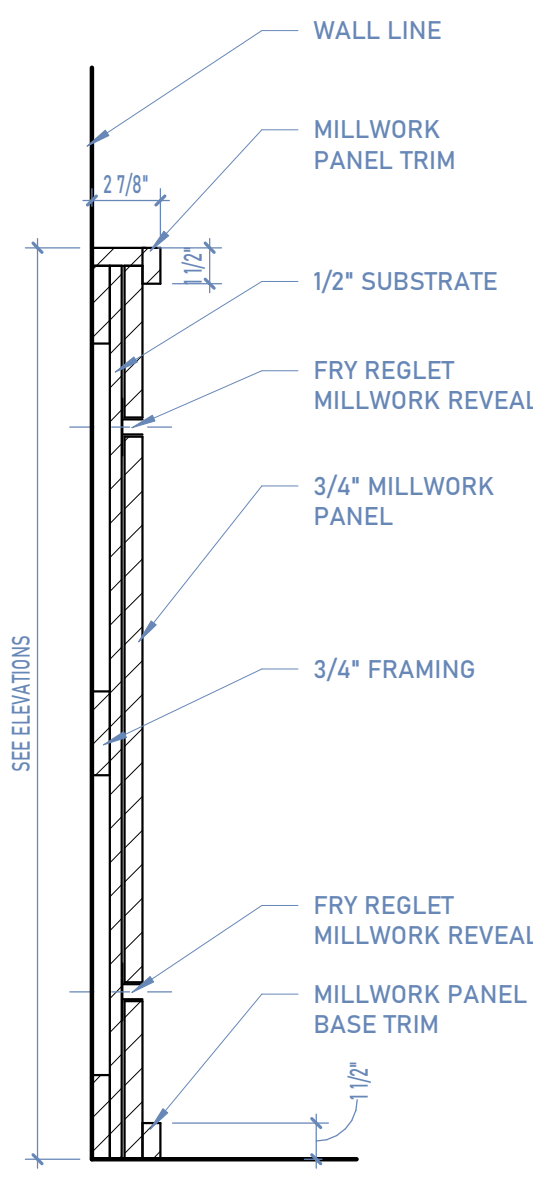
7 SEISMIC BRACING

7/A501 | SCALE: NTS



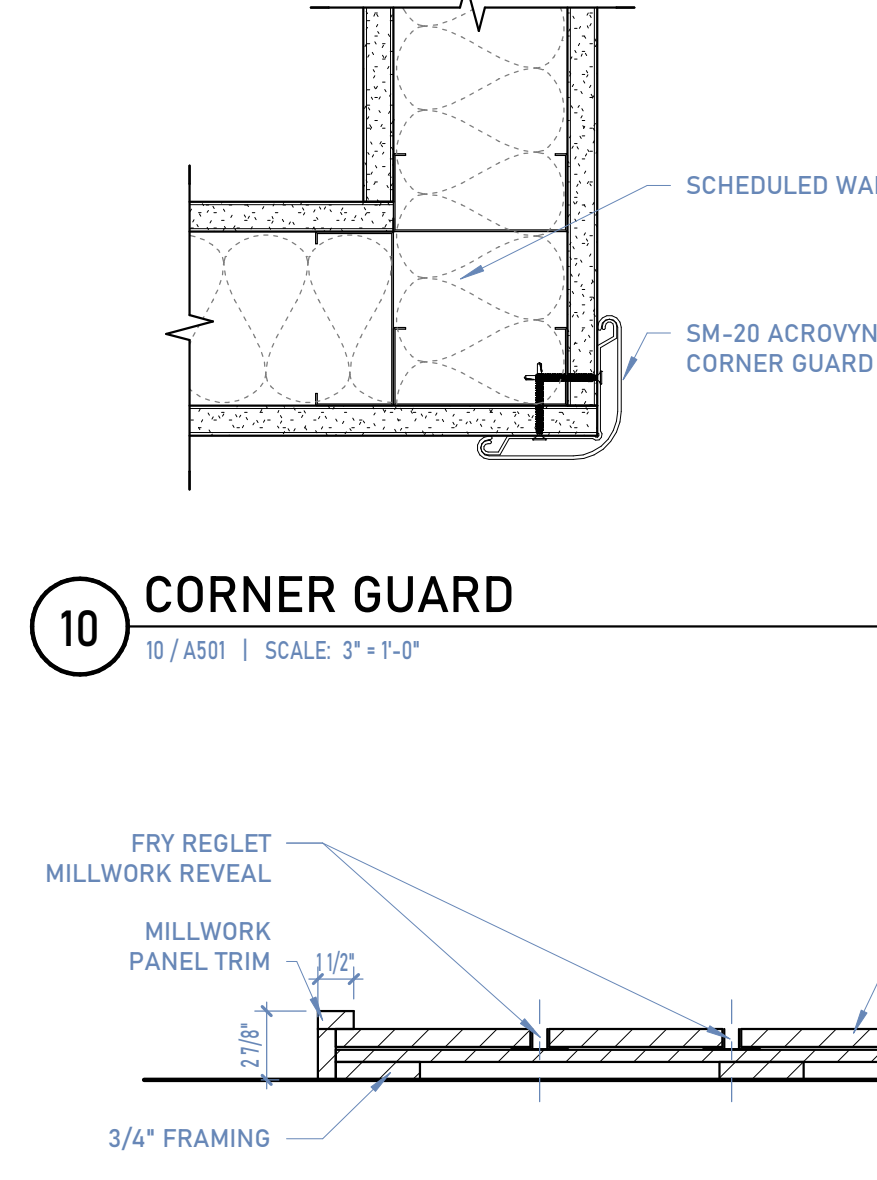
8 CEILING SEISMIC EDGE DETAIL

8/A501 | SCALE: 1 1/2" = 1'-0"



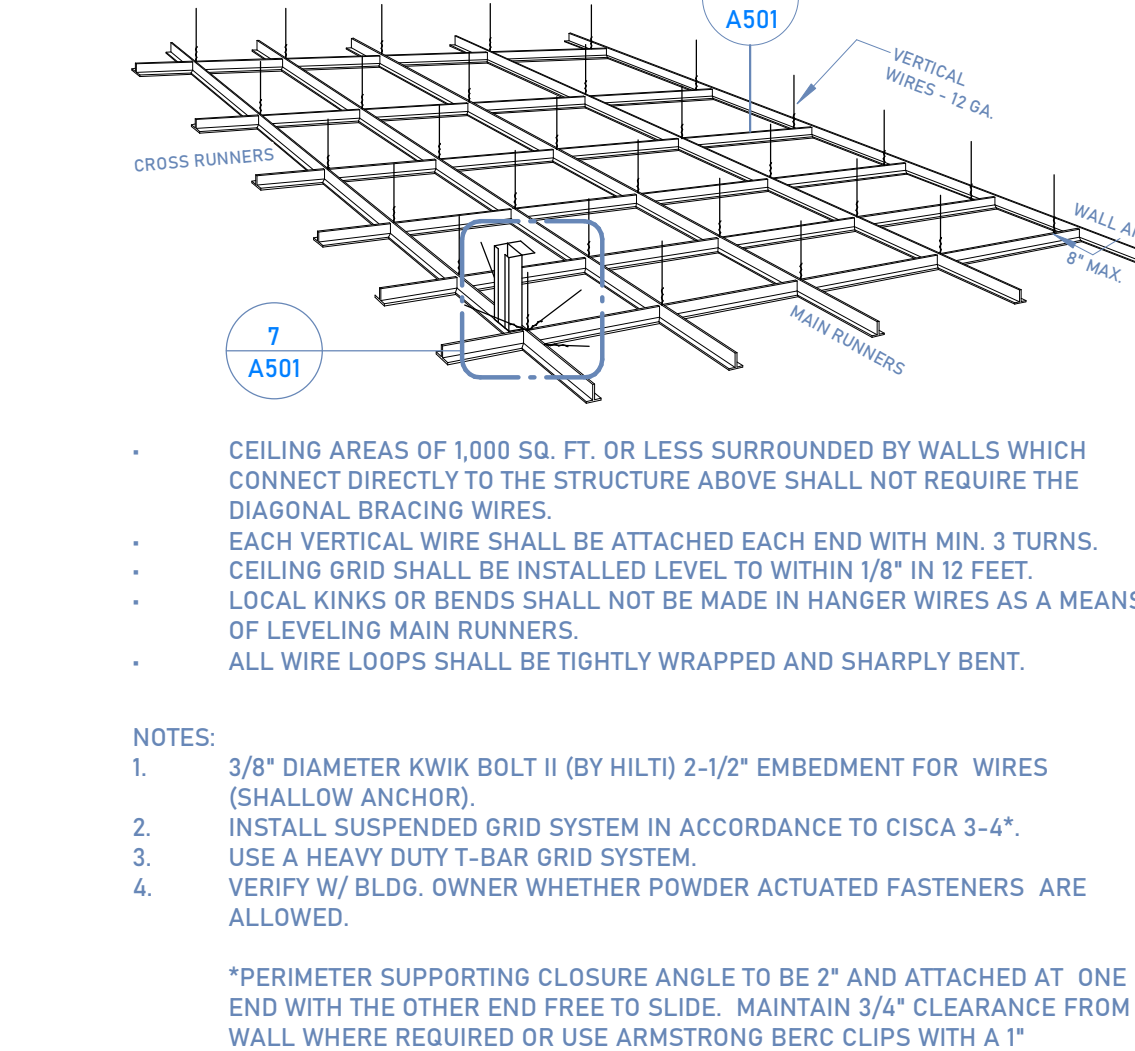
9 HEAD WALL SECTION

9/A501 | SCALE: 1 1/2" = 1'-0"



10 CORNER GUARD

10/A501 | SCALE: 3" = 1'-0"

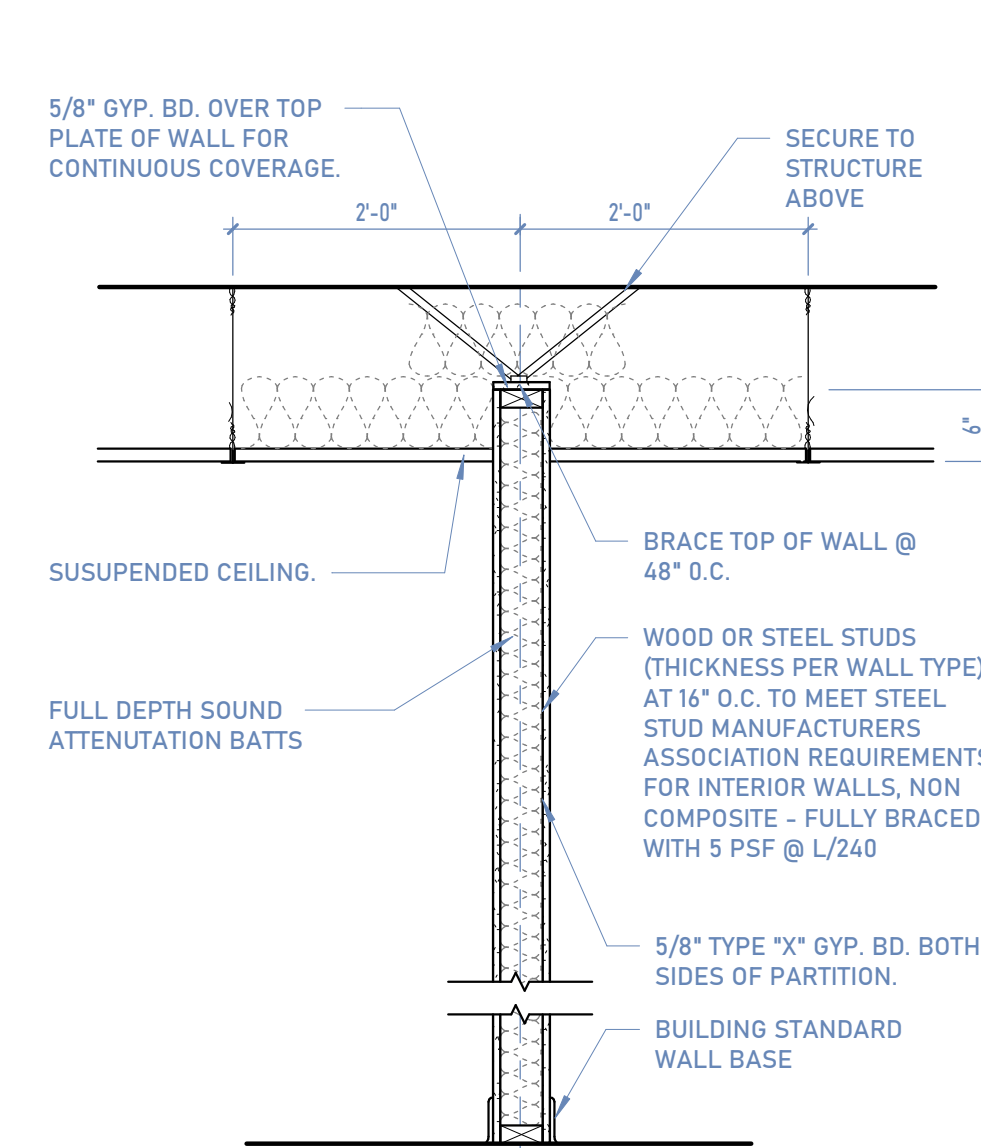


6 SUSPENDED CEILING DETAIL

6/A501 | SCALE: 1" = 1'-0"

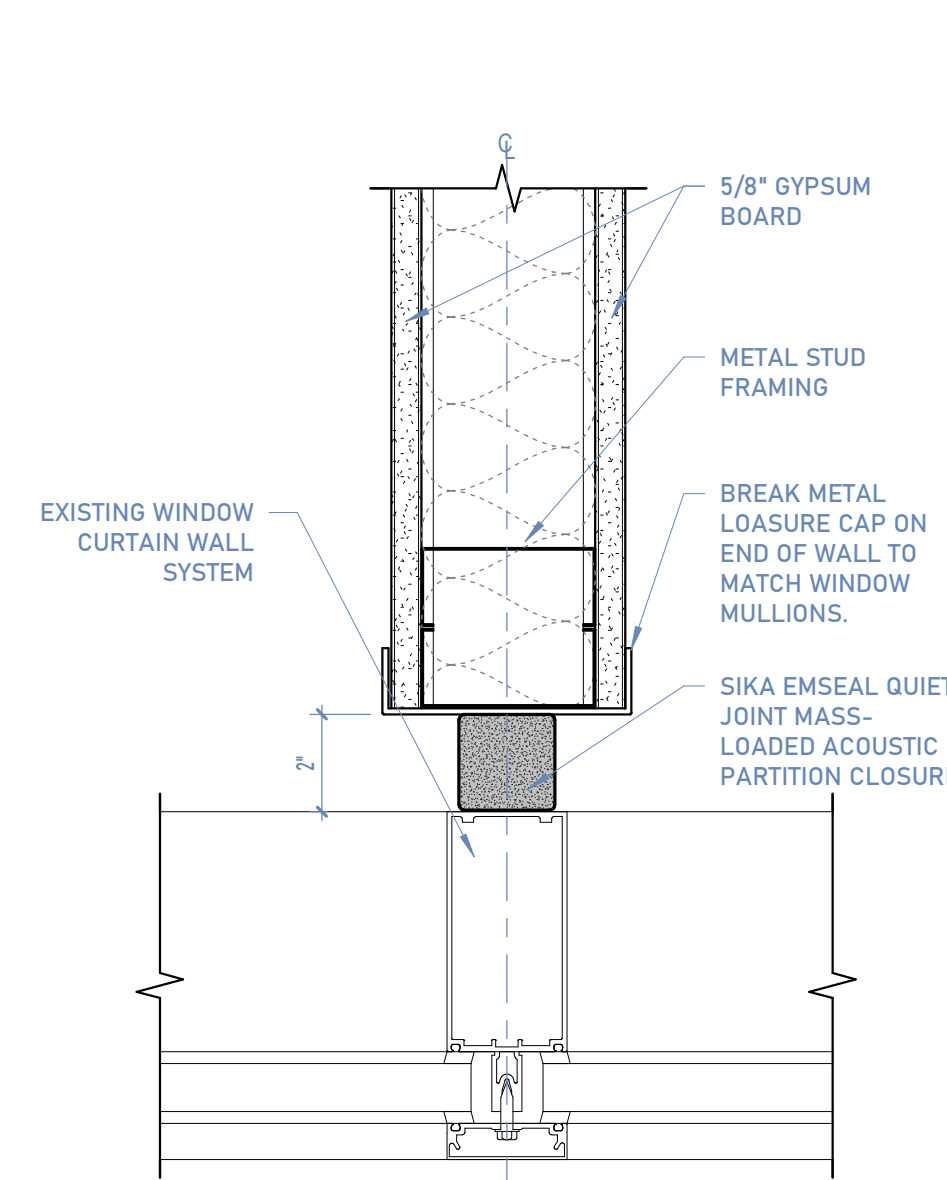
2 PARTITION - PLENUM HEIGHT

2/A501 | SCALE: 3/4" = 1'-0"



12 WALL CAP AT MULLION

12/A501 | SCALE: 3" = 1'-0"



11 HEAD WALL EDGE DETAIL

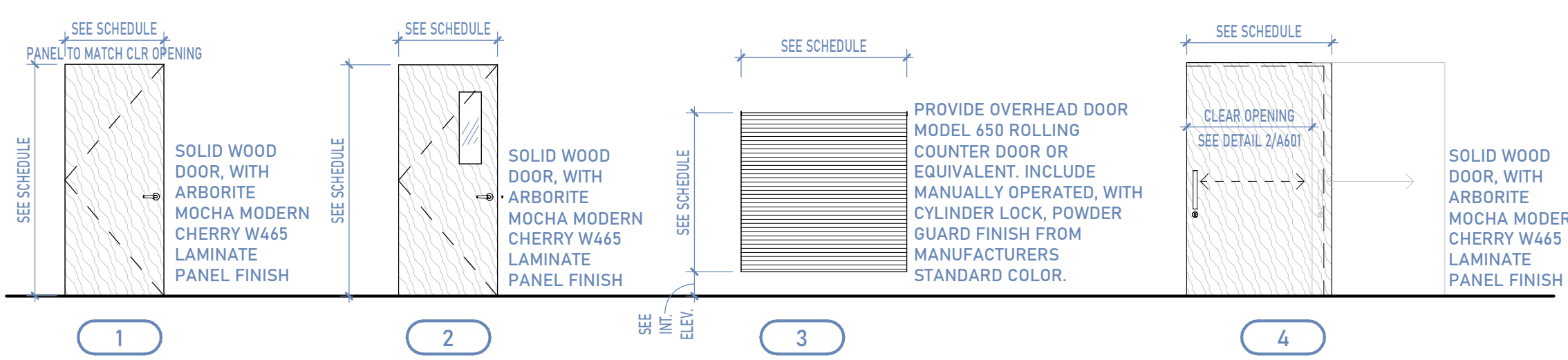
11/A501 | SCALE: 1 1/2" = 1'-0"

#	DATE	DESCRIPTION
1	2026.05.15	ADDENDUM 1

DOOR SCHEDULE

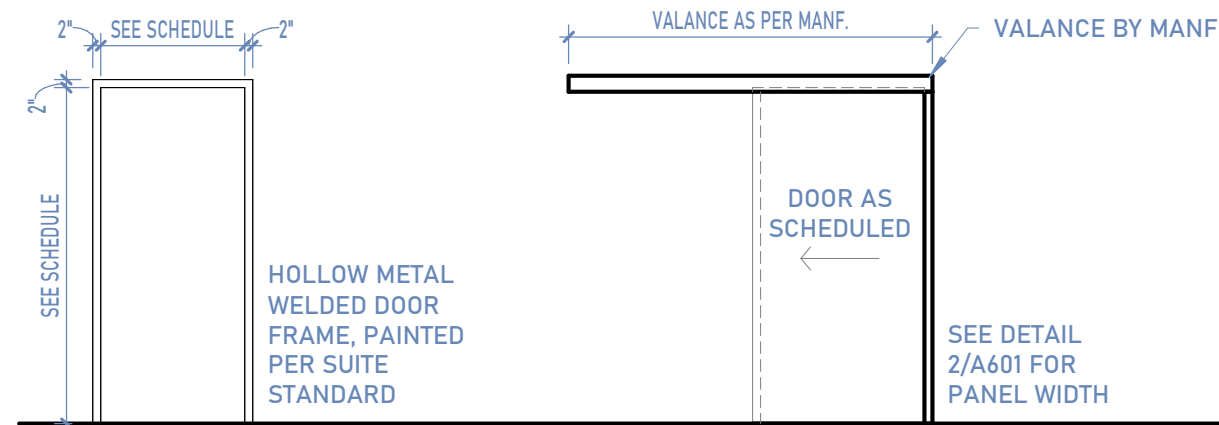
DOOR NUMBER	DOOR PANEL			DOOR FRAME				CARD READER	FIRE RATING	HARDWARE SET TYPE	COMMENTS	DOOR NUMBER
	WIDTH	HEIGHT	THICKNESS	PANEL TYPE	FRAME TYPE	HEAD	JAMB					
Core & Shell Package												
E002	3'-0"	7'-0"	0'-1 3/4"		1							E002
E009	3'-0"	7'-0"	0'-1 3/4"		1							E009
New Construction												
001	3'-0"	7'-0"	0'-1 3/4"	2	A	1/A601	1/A601	*	Yes		ADA AUTO DOOR OPENER	001
004	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-	Yes			004
005	3'-7 1/4"	7'-0"	0'-1 3/4"	4	B	4/A601	3/A601	*				005
006	3'-7 1/4"	7'-0"	0'-1 3/4"	4	B	4/A601	3/A601	*				006
007	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	*	Yes	45 MIN		007
010	3'-7 1/4"	7'-0"	0'-1 3/4"	4	B	4/A601	3/A601	-				010
011	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				011
012	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				012
013	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	*				013
014	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	*				014
015	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				015
016	3'-0"	7'-0"	0'-1 3/4"	1	A	1/A601	1/A601	-				016
017	5'-0"	5'-0"	0'-1 3/4"	3	-	6/A501	5/A601	-			OVERHEAD SECURITY GRILL	017

SEE SPECIFICATIONS 087100 FOR DOOR HARDWARE



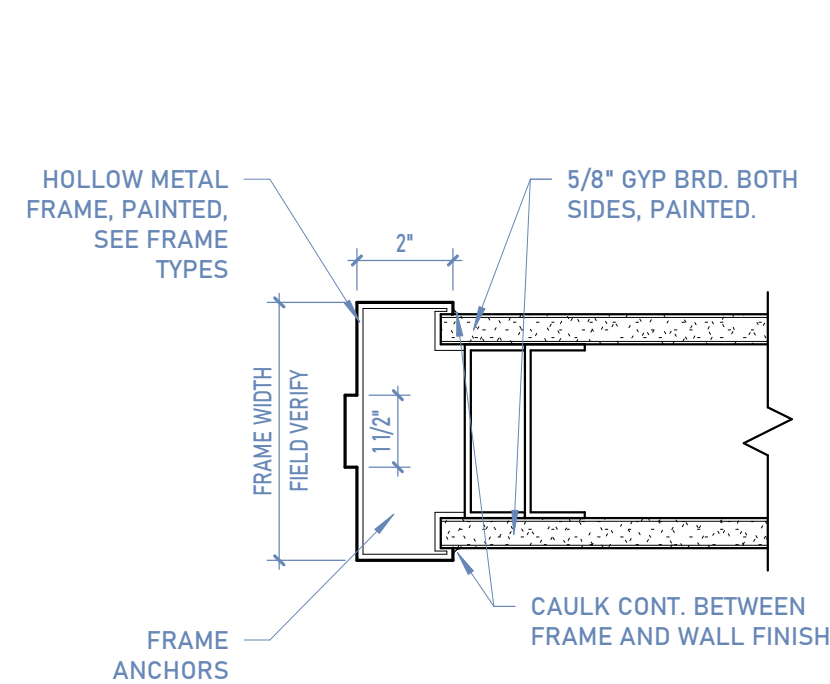
LEGEND - DOOR PANEL

SCALE: 1/4" = 1'-0"



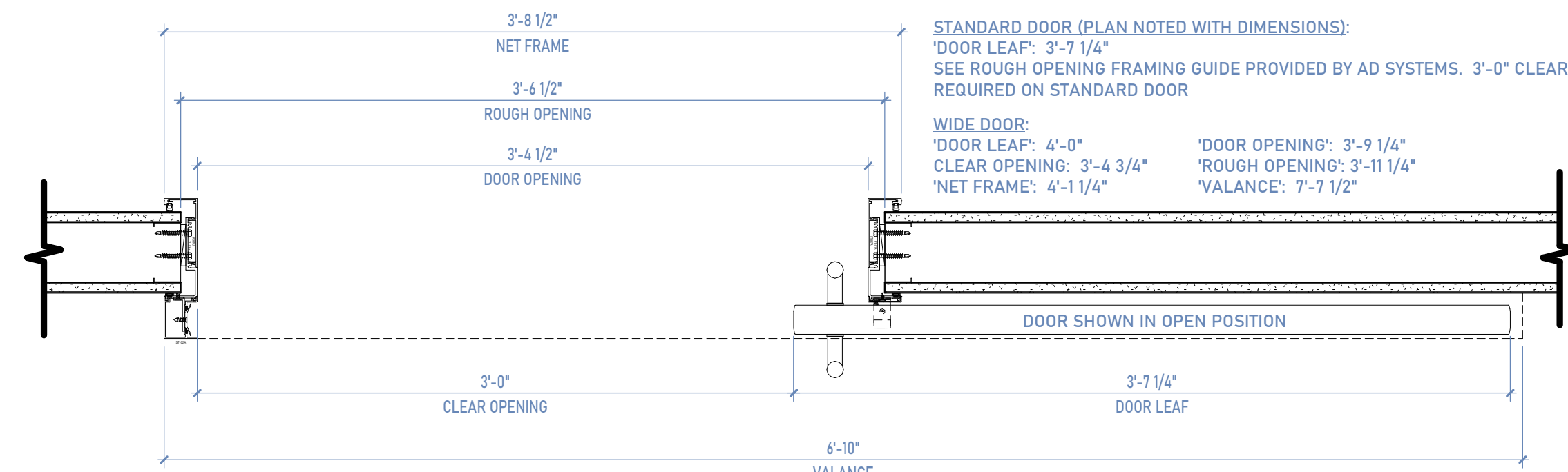
LEGEND - DOOR FRAME

SCALE: 1/4" = 1'-0"



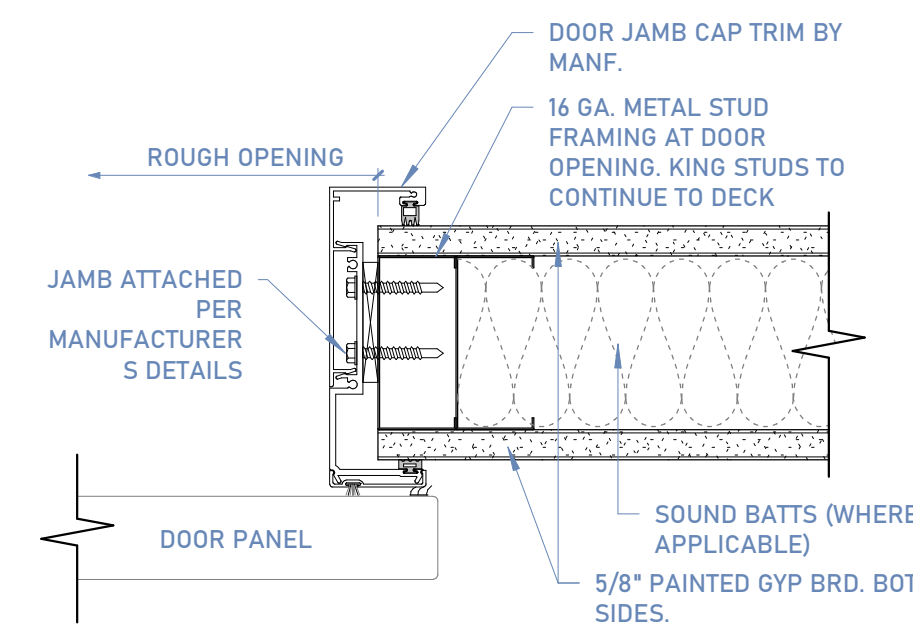
1 INT. DOOR JAMB (HEAD SIM.)

1/A601 | SCALE: 3" = 1'-0"



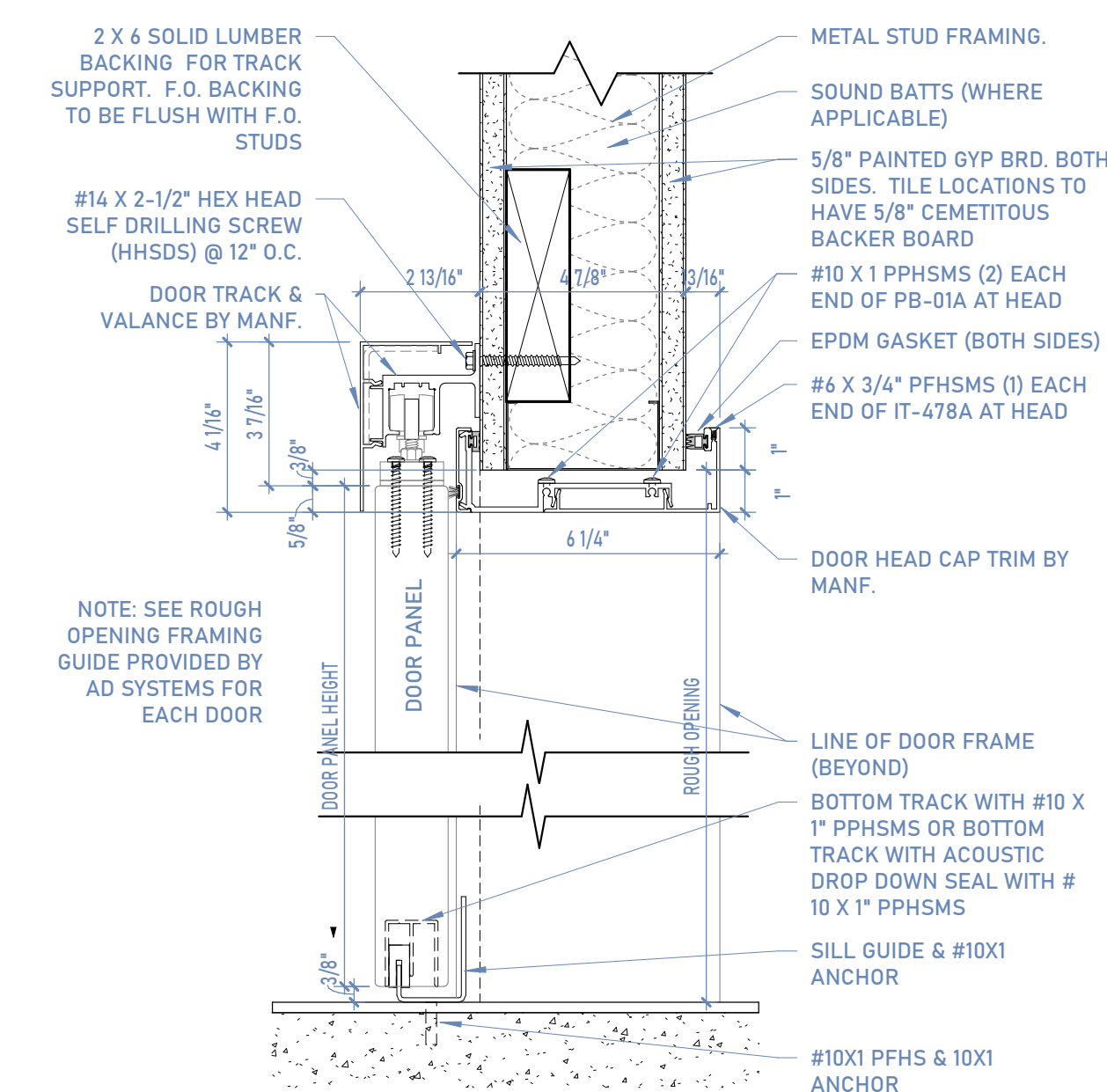
2 AD SLIDE PLAN - STANDARD & WIDE DOOR

2/A601 | SCALE: 1/2" = 1'-0"



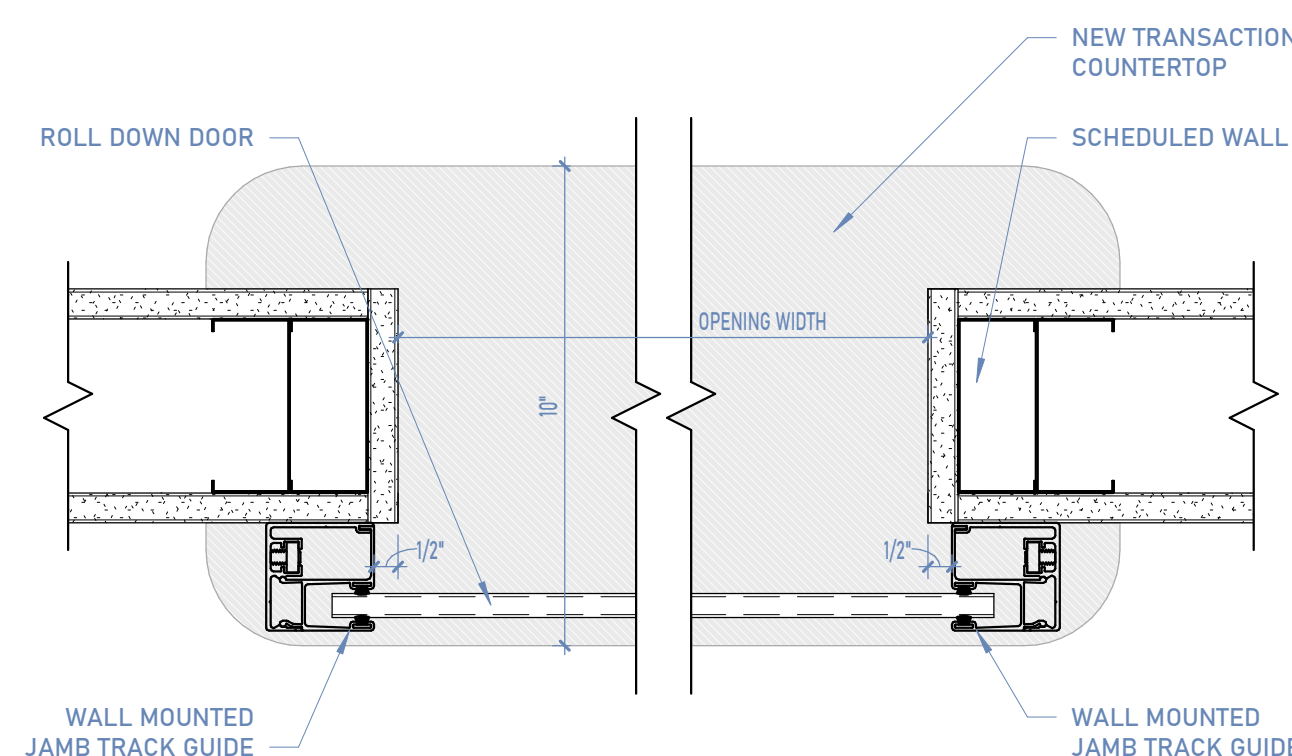
3 AD SYSTEM DOOR JAMB DETAIL

3/A601 | SCALE: 3" = 1'-0"



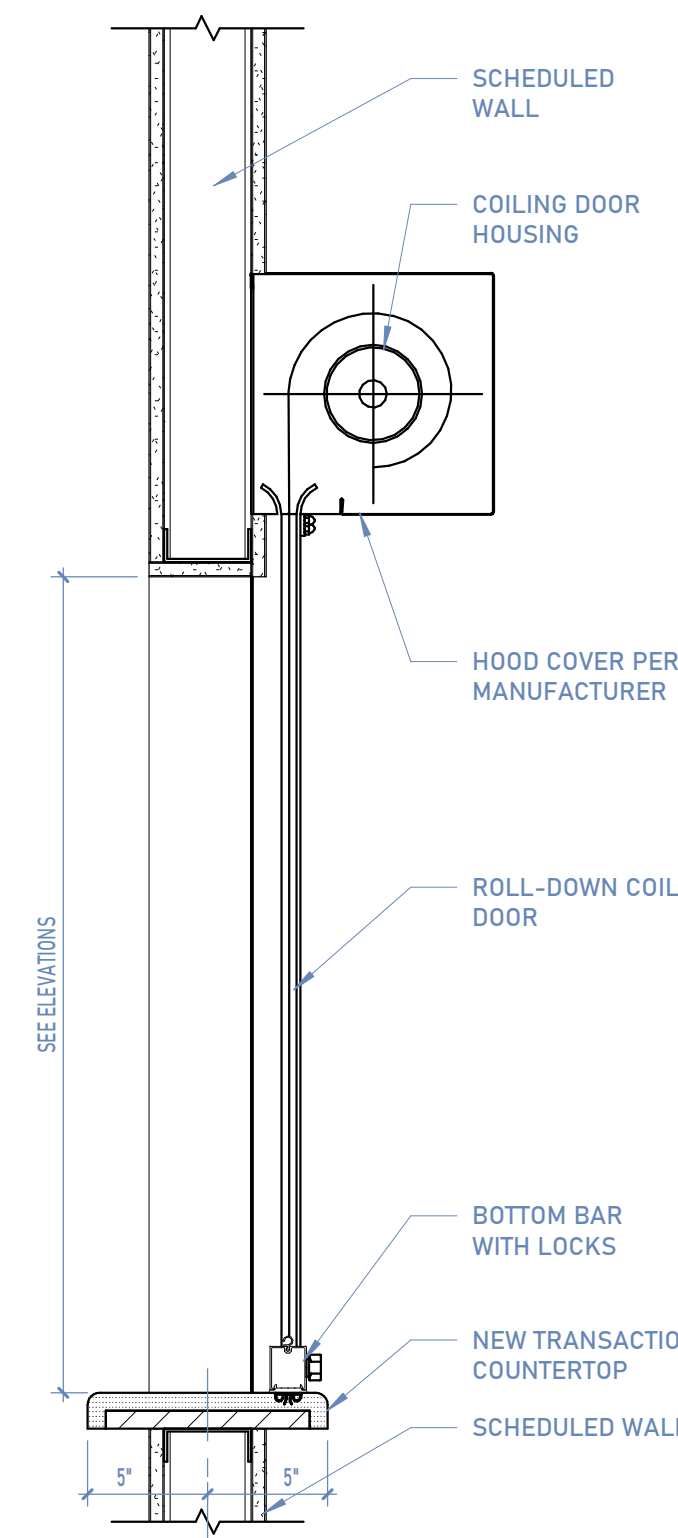
4 AD SYSTEM DOOR HEAD DETAIL

4/A601 | SCALE: 3" = 1'-0"



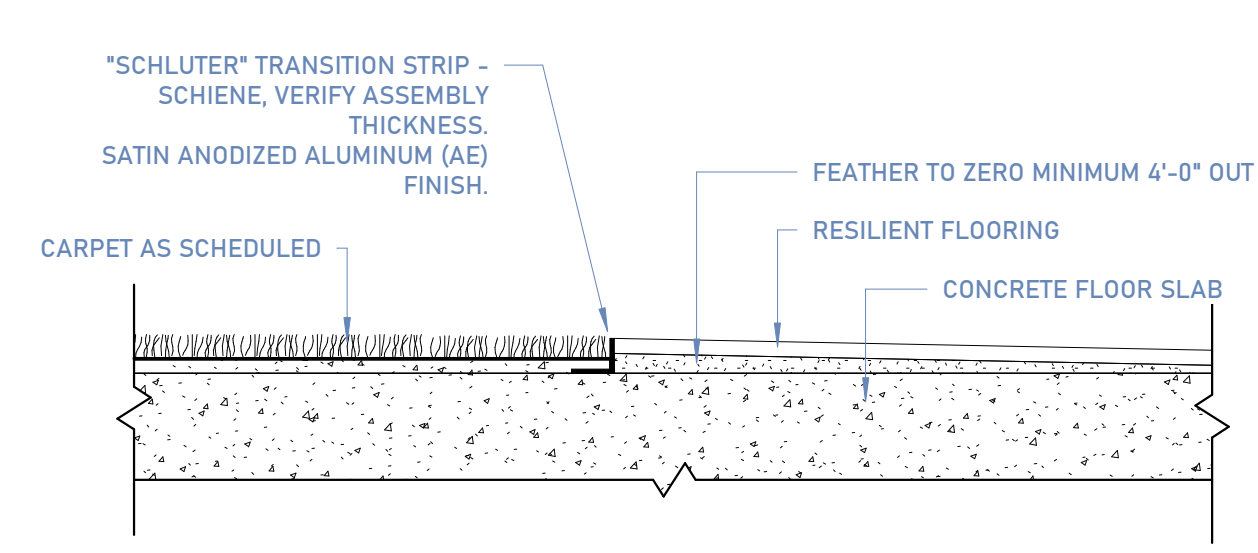
5 ROLL DOWN JAMBS

5/A601 | SCALE: 3" = 1'-0"



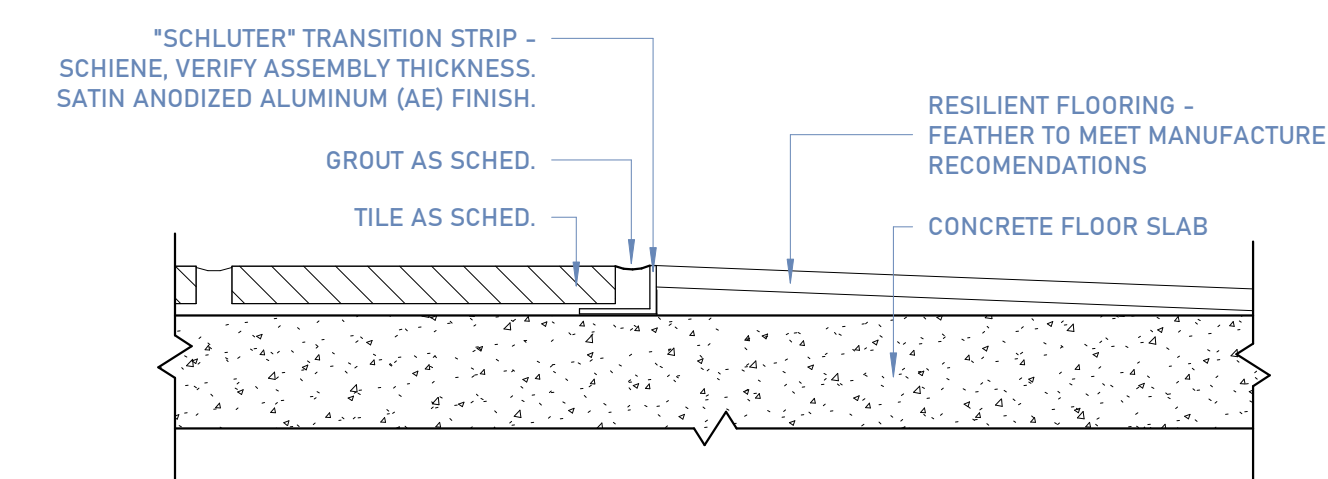
6 ROLL DOWN SECTION

6/A601 | SCALE: 1/2" = 1'-0"



7 FLOORING TRANSITION - CARPET TO RESILIENT

7/A601 | SCALE: 6" = 1'-0"



8 FLOORING TRANSITION - TILE TO RESILIENT

8/A601 | SCALE: 6" = 1'-0"

CONSULTANTS

INTERMOUNTAIN HEALTH
**LAYTON HOSPITAL SLEEP
LAB REMODEL**
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS

ARCHITECT STAMP

ISSUE DATE: 04/30/2026
PROJECT NO: 25028
PROJECT PHASE:
DRAWN BY: DF
CHECKED BY: BM

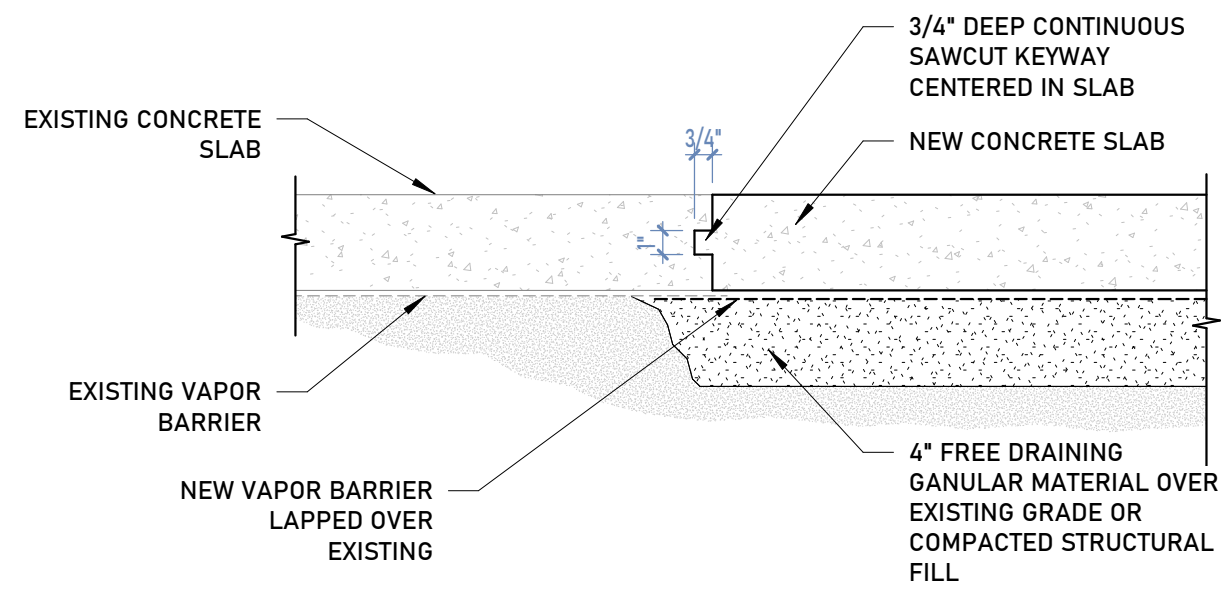
#	DATE	DESCRIPTION
1	2026.05.15	ADDENDUM 1

ARCHITECTURAL
DETAILS

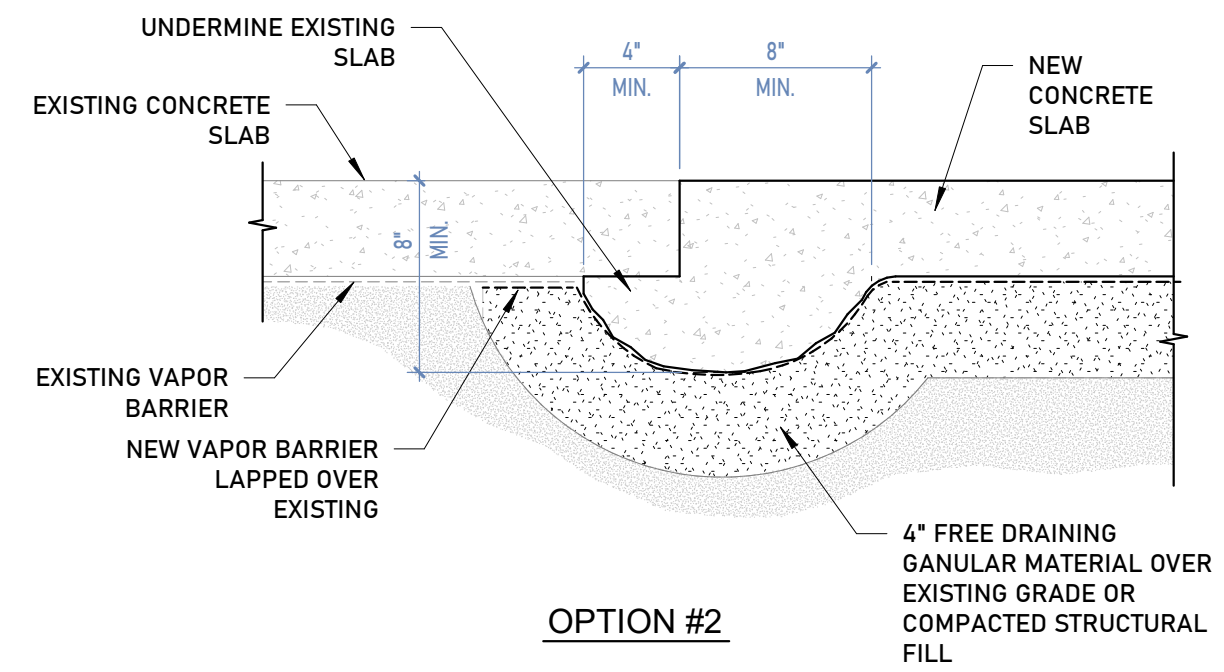
SHEET NAME

A503

SHEET NUMBER



OPTION #1



OPTION #2

NOTES:

1. SAWCUT CONTROL JOINTS WITH A DEPTH EQUAL TO 0.25 TIMES THE SLAB THICKNESS SHALL BE COMPLETED WITHIN 12 HOURS OF CONCRETE PLACEMENT (1" DEEP FOR 4" SLAB).
2. CONTROL JOINT SPACING SHALL NOT EXCEED 30 TIMES THE SLAB THICKNESS (10'-0" FOR A 4" SLAB).
3. ALIGN CONTROL JOINTS TO MATCH EXISTING WHERE THEY OCCUR.
4. CONTROL JOINTS SHALL BE INSTALLED IN NEW SLAB ON GRADE SO THE LENGTH TO WIDTH RATION OF THE SLAB IS NO MORE THAN 1.25:1 OR LESS THAN 4'-0" ON CENTER.

1 SLAB-ON-GRADE _ FLOOR IN-FILL

1 / A503 | SCALE: 1/12" = 1'-0"

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Sliding doors.
 - 3. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Electromechanical door hardware.
 - 3. Cylinders specified for doors in other sections.
- C. Related Sections:
 - 1. Division 01 Section "General Conditions".
 - 2. Division 06 Section "Rough Carpentry".
 - 3. Division 06 Section "Finish Carpentry".
 - 4. Division 08 Section "Operations and Maintenance".
 - 5. Division 08 Section "Hollow Metal Doors and Frames".
 - 6. Division 08 Section "Flush Wood Doors".
 - 7. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
 - 8. Division 26 Section "Electrical"
 - 9. Division 28 Section "Integrated Access Control Hardware Devices".
- D. Codes and References: Comply with the version adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC - International Building Code.
 - 3. NFPA 70 - National Electrical Code.
 - 4. NFPA 80 - Fire Doors and Windows.
 - 5. NFPA 101 - Life Safety Code.
 - 6. NFPA 105 - Installation of Smoke Door Assemblies.
 - 7. State Building Codes, Local Amendments.

- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
1. ANSI/BHMA Certified Product Standards - A156 Series.
 2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
 3. ANSI/UL 294 - Access Control System Units.
 4. UL 305 - Panic Hardware.
 5. ANSI/UL 437- Key Locks.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
 - a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
 - b. Complete (risers, point-to-point) access control system block wiring diagrams.
 - c. Wiring instructions for each electronic component scheduled herein.
 2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Proof of Certification: Provide copy of manufacturer(s) official certification or accreditation document indicating proof of status as a qualified and authorized provider of the primary Integrated Wiegand Access Control Products.
- E. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- F. Informational Submittals:
1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

1.4 CLOSEOUT SUBMITTALS

- A. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.
- B. Project Record Documents: Provide record documentation of as-built door hardware sets in digital format (.pdf, .docx, .xlsx, .csv) and as required in Division 01, Project Record Documents.

1.5 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).

- C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- E. Integrated Wireless, and IP-Enabled Access Control Products Supplier Qualifications: Integrated access control products and accessories are required to be supplied and installed through current members of the ASSA ABLOY "Authorized Channel Partner" (ACP) and "Certified Integrator" (CI) programs. Suppliers are to be factory trained, certified prior to project bid, and a direct purchaser of the specified product. Installers are to be factory trained, certified prior to project bid, and are responsible for commissioning, servicing, and warranting the installed equipment specified for the project.
- F. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
 - 2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- G. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.
- H. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 - 1. Function of building, purpose of each area and degree of security required.
 - 2. Plans for existing and future key system expansion.
 - 3. Requirements for key control storage and software.
 - 4. Installation of permanent keys, cylinder cores and software.
 - 5. Address and requirements for delivery of keys.
- I. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representative(s) of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
 - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of

their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.

2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

- J. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.7 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.8 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions

of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
1. Structural failures including excessive deflection, cracking, or breakage.
 2. Faulty operation of the hardware.
 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 4. Electrical component defects and failures within the systems operation.
- C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

2.2 BUTT HINGES

- A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
1. Quantity: Provide the following hinge quantity:
 - a. Two Hinges: For doors with heights up to 60 inches.
 - b. Three Hinges: For doors with heights 61 to 90 inches.
 - c. Four Hinges: For doors with heights 91 to 120 inches.
 - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
 2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
 3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
 4. Hinge Options: Comply with the following:

- a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for all out-swinging lockable doors.

5. Manufacturers:

- a. McKinney (MK) - TA/T4A Series, 5-knuckle.

2.3 POWER TRANSFER DEVICES

- A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Manufacturers:

- a. Pemko (PE) - EL-CEPT Series.
- b. Securitron (SU) - EL-CEPT Series.

- B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:

- a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
- b. McKinney (MK) - Connector Hand Tool: QC-R003.

2. Manufacturers:

- a. McKinney (MK) - QC-C Series.

2.4 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

1. Manufacturers:

- a. Match Existing, Field Verify.

- B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
 - 1. Threaded mortise cylinders with rings and cams to suit hardware application.
 - 2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
 - 3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
 - 4. Tubular deadlocks and other auxiliary locks.
 - 5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 - 6. Keyway: Match Facility Standard.

- C. Keying System: Each type of lock and cylinders to be factory keyed.
 - 1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
 - 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 - 3. Existing System: Field verify and key cylinders to match Owner's existing system.

- D. Key Quantity: Provide the following minimum number of keys:
 - 1. Change Keys per Cylinder: Two (2)
 - 2. Master Keys (per Master Key Level/Group): Five (5).
 - 3. Construction Keys (where required): Ten (10).

- E. Construction Keying: Provide construction master keyed cylinders.

- F. Key Registration List (Bitting List):
 - 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
 - 2. Provide transcript list in writing or electronic file as directed by the Owner.

2.5 MORTISE LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ML2000 Series.
 - b. dormakaba BEST (BE) - 45H Series.
 - c. Sargent Manufacturing (SA) - 8200 Series.

2.6 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
 3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
 4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 2. Strikes for Bored Locks and Latches: BHMA A156.2.
 3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
 4. Dustproof Strikes: BHMA A156.16.

2.7 SURFACE DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:
1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
 2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
 3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
 4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
 5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
 6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Heavy duty surface mounted door closers shall have a 30-year warranty.
2. Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC6000 Series.
 - b. Norton Rixson (NO) - 7500 Series.
 - c. Sargent Manufacturing (SA) - 351 Series.

2.8 ARCHITECTURAL TRIM AND ACCESSORIES

- A. Door, Frame and Wall Protective Trim: ANSI/BHMA A156.6, protective products as specified in the hardware sets. Door protection plates shall be not more than 2" less than door width on stop side and 1" less door width on the pull side or on stop side of pairs of doors. Listed manufacturers shall meet all functions and features as specified herein.
 1. Provide protective trim with functions and features as follows:
 - a. Meets ADA requirements for smooth bottom door surfaces.
 - b. UL Classified options for use on fire-rated doors up to 3 hours.
 - c. Fabricated from stainless steel, brass, bronze, aluminum, or high-impact plastic.
 - d. Available in a variety of sizes, finishes, and profiles to suit aesthetic and functional requirements.
 - e. Designed to protect doors, frames, and adjacent walls from damage due to impact, abrasion, or traffic.
 - f. Fasteners included; adhesive-backed options available for select models.
 - g. Ten-year limited warranty.
 2. Manufacturers:
 - a. Rockwood (RO).

2.9 DOOR STOPS AND HOLDERS

- A. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
 1. Manufacturers:
 - a. Rockwood (RO).

2.10 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
 - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
 - 1. Pemko (PE).

2.11 FABRICATION

- A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.12 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
 - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
 - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Integrated Wiegand access control products are required to be installed through current members of the ASSA ABLOY "Certified Integrator" (CI) program.
- D. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

- E. Push Plates and Door Pulls: When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
- F. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- G. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

- A. Field Inspection (Punch Report): Reference Division 01 Sections "Closeout Procedures". Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.
 - 1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.
- B. Fire Door Assembly Inspection: Reference Division 01 Sections "Closeout Procedures". Conduct an initial fire door assembly inspection, including documentation reporting, upon completion of door hardware installation according to NFPA 80 Standard for Fire Doors and Other Opening Protectives, paragraph 5.2.4, requirements.

3.5 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

1. Quantities listed are for each pair of doors, or for each single door.
2. The supplier is responsible for handing and sizing all products.
3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

- B. Manufacturer's Abbreviations:

1. MK - McKinney
2. SU - Securitron
3. SA - SARGENT
4. RO - Rockwood
5. PE - Pemko
6. OT - Other

Hardware Sets

Set: 1.0

Doors: 001, 004, 007

3 Hinge	T4A3786 (NRP as required)	US26D	MK
1 Electric Power Transfer	EL-CEPT	630	SU ⚡
1 Access Control Mort Lock	SN210-82271 BIPS-0E LNMW LC (provided by division 28)	US26D	SA ⚡
1 Keyed Cylinder	Match/expand existing-type as req'd.		
1 Surface Closer	351 O/P9 (type as required)	EN	SA
1 Kick Plate	K1050 10" CSK BEV	US32D	RO
1 Stop	400/403/441H (as required)	US26D	RO
1 Gasketing	S44BL		PE
1 Frame Harness	QC-C1500P (as required)		MK ⚡
1 Door Harness	QC-C__P (as required)		MK ⚡

- | | | |
|------------------------|---|------|
| 1 Power Supply | AQL Series (as required) provided by division 28. | SU ⚡ |
| 1 Door Position Switch | provided by division 28 | OT |

Notes: Door normally closed and locked.
Entrance by presenting a valid credential to card reader.
Egress allowed at all times.
Loss of power maintains security from lock side, entrance by mechanical key only.
Door monitored for door ajar and forced open.

The card reader lock/exit device is provided by the division 28 security contractor.

Set: 2.0

Doors: 013, 014

- | | | | |
|------------------|-----------------------------|-------|----|
| 3 Hinge | T4A3786 | US26D | MK |
| 1 Privacy Lock | LB V21 8266 LNMW | US32D | SA |
| 1 Surface Closer | 351 O/P9 (type as required) | EN | SA |
| 1 Kick Plate | K1050 10" CSK BEV | US32D | RO |
| 1 Mop Plate | K1050 4" CSK BEV | US32D | RO |
| 1 Stop | 400/403/441H (as required) | US26D | RO |
| 1 Gasketing | S44BL | | PE |

Set: 3.0

Doors: 011, 012, 015, 016

- | | | | |
|--------------------|---|-------|----|
| 3 Hinge | T4A3786 | US26D | MK |
| 1 Passage Latch | 8215 LNMW | US32D | SA |
| 1 Surface Closer | 351 O/P9 (type as required) | EN | SA |
| 1 Kick Plate | K1050 10" CSK BEV | US32D | RO |
| 1 Stop | 400/403/441H (as required) | US26D | RO |
| 1 Gasketing, | S773BL | | PE |
| 1 Seals, Threshold | by door manufacturer, per acoustical design | | PE |
| 1 Door Bottom | STC411APK | | PE |

Set: 4.0

Doors: 005, 010

- | | |
|------------|---|
| 1 Hardware | by door manufacturer – function Passage |
|------------|---|

AD Door systems ExamSlide
16" Ladder Pull HDW0070-1
Acoustic Bottom HDW002X

Standard Square Valance with Soft-Closer: Soft-closing damper mechanism at both sides of door leaf.
Demonstrate closers as tested to 150k cycles

Set: 5.0

Doors: 006

AD Door systems ExamSlide™ High Performance Barn (Sliding) Door System by AD Systems. UL 1784
smoke rated assembly

Standard Square Valance with Soft-Closer: Soft-closing damper mechanism at both sides of door leaf.

Demonstrate closers as tested to 150k cycles

Standard Ladder Pull: 16" long x 1" diameter. Finish: US32D Satin Stainless Steel.

Self latching locks standard - AD6010 Passage – Back to back lever trim - US 32D

Self-Closing Spring Mechanism

Automatic Door Bottom

END OF SECTION 087100

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SECTION 093000 - TILING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Tile for floor applications.
- B. Tile for wall applications.
- C. Cementitious backer board as tile substrate.
- D. Coated glass mat backer board as tile substrate.
- E. Ceramic accessories.
- F. Trim accessories.

1.2 RELATED REQUIREMENTS

- G. Section 079200 - Joint Sealants: Sealing joints between tile work and adjacent construction and fixtures.
- H. Section 092116 - Gypsum Board Assemblies: Tile backer board.

1.3 REFERENCE STANDARDS

- I. ANSI A108/A118/A136 - American National Standard Specifications for the Installation of Ceramic Tile (Compendium) 2019.
- J. ANSI A108.1a - American National Standard Specifications for Installation of Ceramic Tile in the Wet-Set Method, with Portland Cement Mortar 2017 (Reaffirmed 2022).
- K. ANSI A108.1b - American National Standard Specifications for Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar 2017.
- L. ANSI A108.1c - Contractor's Option: Installation of Ceramic Tile in the Wet-Set Method with Portland Cement Mortar or Installation of Ceramic Tile on a Cured Portland Cement Mortar Setting Bed with Dry-Set or Latex-Portland Cement Mortar 1999 (Reaffirmed 2021).
- M. ANSI A108.2 - American National Standard General Requirements: Materials, Environmental and Workmanship 2019.
- N. ANSI A108.4 - American National Standard Specifications for Installation of Ceramic Tile with Organic Adhesive or Water Cleanable Tile-Setting Epoxy Adhesive 2019.
- O. ANSI A108.5 - American National Standard Specifications for Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar 2021.
- P. ANSI A108.6 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant, Water Cleanable Tile-Setting and -Grout Epoxy 1999 (Reaffirmed 2019).
- Q. ANSI A108.8 - American National Standard Specifications for Installation of Ceramic Tile with Chemical Resistant Furan Resin Mortar and Grout 1999 (Reaffirmed 2019).

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- R. ANSI A108.9 - American National Standard Specifications for Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout 1999 (Reaffirmed 2019).
- S. ANSI A108.10 - American National Standard Specifications for Installation of Grout in Tilework 2017 (Reaffirmed 2022).
- T. ANSI A108.11 - American National Standard Specifications for Interior Installation of Cementitious Backer Units 2018.
- U. ANSI A108.12 - American National Standard for Installation of Ceramic Tile with EGP (Exterior Glue Plywood) Latex-Portland Cement Mortar 1999 (Reaffirmed 2019).
- V. ANSI A108.13 - American National Standard for Installation of Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone 2005 (Reaffirmed 2021).
- W. ANSI A108.19 - American National Standard Specifications for Interior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs by the Thin-Bed Method Bonded with Modified Dry-Set Cement Mortar or Improved Modified Dry-Set Cement Mortar 2020.
- X. ANSI A108.20 - American National Standard Specifications for Exterior Installation of Gauged Porcelain Tiles and Gauged Porcelain Tile Panels/Slabs 2020.
- Y. ANSI A118.1 - American National Standard Specifications for Dry-Set Cement Mortar 2019.
- Z. ANSI A118.3 - American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive 2021.
- AA. ANSI A118.4 - American National Standard Specifications for Modified Dry-Set Cement Mortar 2019.
- BB. ANSI A118.7 - American National Standard Specifications for High Performance Cement Grouts for Tile Installation 2019.
- CC. ANSI A118.9 - American National Standard Specifications for Test Methods and Specifications for Cementitious Backer Units 2019.
- DD. ANSI A118.10 - American National Standard Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone 2014 (Reaffirmed 2019).
- EE. ANSI A118.12 - American National Standard Specifications for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation 2014 (Reaffirmed 2019).
- FF. ANSI A137.1 - American National Standard Specifications for Ceramic Tile 2022.
- GG. ASTM C373 - Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Boil Method for Extruded Ceramic Tiles and Non-tile Fired Ceramic Whiteware Products 2018 (Reapproved 2023).
- HH. ASTM C1178/C1178M - Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel 2018.
- II. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring 2022.
- JJ. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes 2019a.
- KK. TCNA (HB) - Handbook for Ceramic, Glass, and Stone Tile Installation 2023.

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1.4 ADMINISTRATIVE REQUIREMENTS

LL. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by affected installers.

1.5 SUBMITTALS

MM. See Section 013300 - Administrative Requirements for submittal procedures.

NN. Product Data: Provide manufacturers' data sheets on tile, mortar, grout, and trim accessories. Include instructions for using grouts and adhesives.

OO. Samples for Verification:

1. Full-size units of each type and composition of tile and for each color and finish required.
 - a. Where products involve normal color and texture variations, include Sample sets showing the full range of variations expected.
 - b. For ceramic mosaic tile in color blend patterns, provide full sheets of each color blend.
2. Grout: Cured units, in 6-inch (150-mm) lengths for each color required
3. Trim: Each type of trim and accessory for each color and profile required in 6-inch (150-mm) lengths.

PP. Samples shall be clearly labeled with manufacturer's name, type, variety, color, etc. Non-labeled Samples will be rejected

QQ. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.

RR. Installer's Qualification Statement:

1. Submit documentation of National Tile Contractors Association (NTCA) or Tile Contractors' Association of America (TCAA) accreditation.

SS. Maintenance Data: Include recommended cleaning methods, cleaning materials, and stain removal methods.

TT. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

1. See Section 016000 - Product Requirements, for additional provisions.

1.6 QUALITY ASSURANCE

UU. Maintain one copy of ANSI A108/A118/A136 and TCNA (HB) on site.

VV. Manufacturer Qualifications: Company specializing in manufacturing the types of products specified in this section, with minimum five years of documented experience.

WW. Installer Qualifications: Natural Stone Institute (NSI) Accredited Commercial B Contractor (light commercial): www.naturalstoneinstitute.org/#sle.

XX. Installer Qualifications:

1. Company specializing in performing tile installation, with minimum of five years of documented experience.
 - a. Accredited Five-Star member of the National Tile Contractors Association (NTCA) or Trowel of Excellence member of the Tile Contractors' Association of America (TCAA).

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1.7 MOCK-UPS

- YY. See Section 014000 - Quality Requirements for general requirements for mock-up.
- ZZ. Construct tile mock-up where indicated on drawings, incorporating all components specified for the location.
 - 1. Minimum size of mock-up is indicated on drawings.

1.8 DELIVERY, STORAGE, AND HANDLING

- AAA. Protect adhesives from freezing or overheating in accordance with manufacturer's instructions.

1.9 FIELD CONDITIONS

- BBB. Do not install solvent-based products in an unventilated environment.
- CCC. Maintain ambient and substrate temperature above 50 degrees F (10 degrees C) and below 100 degrees F (38 degrees C) during installation and curing of setting materials.

PART 2 PRODUCTS

2.1 TILE

- A. Manufacturers: All products by the same manufacturer.
 - 1. Tile Products:
 - a. Reference ID1.00 Finish Legend.
 - b. **No substitutions allowed**
 - 2. Tile-Setting and -Grouting Materials:
 - a. Laticrete
 - b. **No substitutions allowed**
 - 3. Tile Setting Accessories:
 - a. Schluter Systems.
 - 4. Edging material/product: Refer to Section ID1.00 INTERIOR FINISH MATERIALS LEGEND for product requirements.
 - 1.
- B. Porcelain Tile: ANSI A137.1 standard grade.
 - 1. Moisture Absorption: 0 to 0.5 percent as tested in accordance with ASTM C373.
 - 2. Size: Refer to drawings , nominal.
 - 3. Thickness: 3/8 inch (9.5 mm).
 - 4. Surface Finish: Unglazed.
 - 5. Color(s): As indicated in drawing set.
 - 6. Trim Units: Matching bullnose, cove base, and cove shapes in sizes coordinated with field tile.
 - 7. Products:
 - a. As indicated in drawing set.

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2.2 TRIM AND ACCESSORIES

- C. Tile Accessories:
 - 1. Schluter Systems. https://www.schluter.com/schluter-us/en_US/
 - a. As indicated in drawing set.

2.3 SETTING MATERIALS

- D. Provide setting and grout materials from same manufacturer.
- E. Manufacturers:
 - 1. LATICRETE International, Inc: www.laticrete.com/#sle.
 - 2. **No Exceptions**
- F. Water Based Adhesive: Multi-purpose type mastic.
- G. Dry-Set Portland Cement Mortar Bond Coat: ANSI A118.1.

2.4 GROUTS

- H. Provide setting and grout materials from same manufacturer.
- I. Manufacturers:
 - 1. LATICRETE International, Inc: www.laticrete.com/#sle.
 - 2. **No Exceptions**
- J. High Performance Polymer Modified Grout: ANSI A118.7 polymer modified cement grout.
 - 1. Applications: Use this type of grout where indicated and where no other type of grout is indicated - Refer to drawing set
 - 2. Use sanded grout for joints 1/8 inch (3.2 mm) wide and larger; use unsanded grout for joints less than 1/8 inch (3.2 mm) wide.
 - 3. Color(s): As selected by Architect from manufacturer's full line.
 - 4. Products:
 - a. LATICRETE International, Inc; LATICRETE PERMACOLOR Grout: www.laticrete.com/#sle.
- K. Epoxy Grout: ANSI A118.3 chemical resistant and water-cleanable epoxy grout.
 - 1. Applications: Refer to drawing set.
 - 2. Color(s): As selected by Architect from manufacturer's full line.
 - 3. Products:
 - a. LATICRETE International, Inc; LATICRETE SPECTRALOCK PRO Premium Grout: www.laticrete.com/#sle.

2.5 MAINTENANCE MATERIALS

- L. Tile Sealant: Gunnable, silicone, siliconized acrylic, or urethane sealant; moisture and mildew resistant type.
 - 1. Applications: Between tile and plumbing fixtures.
 - 2. Color(s): As selected by Architect from manufacturer's full line.

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2.6 ACCESSORY MATERIALS

- M. Concrete Floor Slab Crack Isolation Membrane: Material complying with ANSI A118.12; not intended as waterproofing.
 - 1. Crack Resistance: No failure at 1/8 inch (3.2 mm) gap, minimum.

- N. Waterproofing Membrane at Floors: Specifically designed for bonding to cementitious substrate under thick mortar bed or thin-set tile; complying with ANSI A118.10.
 - 1. Crack Resistance: No failure at 1/16 inch (1.6 mm) gap, minimum; comply with ANSI A118.12.
 - 2. Fluid or Trowel Applied Type:
 - a. Material: Synthetic rubber or Acrylic.
 - b. Thickness: 25 mils (0.6 mm), minimum, dry film thickness.

- O. Cleavage Membrane Under Thick Mortar Bed:
 - 1. Material: 4 mil (0.1 mm) thick polyethylene film.

- P. Backer Board: Cementitious type complying with ANSI A118.9; high density, glass fiber reinforced, 7/16 inch (11 mm) thick; 2 inch (51 mm) wide coated glass fiber tape for joints and corners.

- Q. Backer Board: Coated glass mat type complying with ASTM C1178/C1178M; inorganic fiber-glass mat on both surfaces and integral acrylic coating vapor retarder.
 - 1. Standard Type: Thickness 1/2 inch (12.7 mm).

- R. Mesh Tape: 2 inch (50 mm) wide self-adhesive fiberglass mesh tape.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that subfloor surfaces are smooth and flat within the tolerances specified for that type of work and are ready to receive tile.
- B. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive tile.
- C. Cementitious Subfloor Surfaces: Verify that substrates are ready for tiling installation by testing for moisture and alkalinity (pH).
 - 1. Test as Follows:
 - a. Alkalinity (pH): ASTM F710.
 - b. Internal Relative Humidity: ASTM F2170.
 - 2. Obtain instructions if test results are not within limits recommended by tiling material manufacturer and setting material manufacturer.

3.2 PREPARATION

- D. Protect surrounding work from damage.
- E. Vacuum clean surfaces and damp clean.

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- F. Seal substrate surface cracks with filler. Level existing substrate surfaces to acceptable flatness tolerances.
- G. Install backer board in accordance with ANSI A108.11 and board manufacturer's instructions. Tape joints and corners, cover with skim coat of setting material to a feather edge.

3.3 INSTALLATION – GENERAL

- H. Install tile, thresholds, and stair treads and grout in accordance with applicable requirements of ANSI A108.1a through ANSI A108.20, manufacturer's instructions, and TCNA (HB) recommendations.
- I. Lay tile to pattern indicated. Do not interrupt tile pattern through openings.
- J. Cut and fit tile to penetrations through tile, leaving sealant joint space. Form corners and bases neatly. Align floor joints.
- K. Place tile joints uniform in width, subject to variance in tolerance allowed in tile size. Make grout joints without voids, cracks, excess mortar or excess grout, or too little grout.
- L. Form internal angles square and external angles bullnosed.
- M. Install ceramic accessories rigidly in prepared openings.
- N. Sound tile after setting. Replace hollow sounding units.
- O. Keep control and expansion joints free of mortar, grout, and adhesive.
- P. Prior to grouting, allow installation to completely cure; minimum of 48 hours.
- Q. Grout tile joints unless otherwise indicated. Use standard grout unless otherwise indicated.
- R. At changes in plane and tile-to-tile control joints, use tile sealant instead of grout, with either bond breaker tape or backer rod as appropriate to prevent three-sided bonding.

3.4 INSTALLATION - FLOORS - THIN-SET METHODS

- S. Over interior concrete substrates, install in accordance with TCNA (HB) Method F113, dry-set or latex-Portland cement bond coat, with standard grout, unless otherwise indicated.
 - 1. At showers, shower rooms, bathtubs and where waterproofing membrane is indicated, install in accordance with TCNA (HB) Method F122, with latex-Portland cement grout.

3.5 INSTALLATION - FLOORS - MORTAR BED METHODS

- T. Over interior concrete substrates, install in accordance with TCNA (HB) Method F111, with cleavage membrane, unless otherwise indicated.
- U. Cleavage Membrane: Lap edges and ends.
- V. Mortar Bed Thickness: 5/8 inch (15.9 mm), unless otherwise indicated.
- W. In recessed slab areas, slope at 1/4" per 1'-0" to drain.
- X. Test waterproof membrane before installing tile.

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3.6 INSTALLATION - SHOWERS AND BATHTUB WALLS

- Y. At shower and bathtub walls install in accordance with TCNA (HB) Method B412, over cementitious backer units with waterproofing membrane.
- Z. Grout with standard grout as specified above.

3.7 INSTALLATION - WALL TILE

- AA. Over cementitious backer units on studs, install in accordance with TCNA (HB) Method W244, using membrane at toilet rooms.
- BB. Over metal studs without backer install in accordance with TCNA (HB) Method W241, mortar bed, with membrane where indicated.

3.8 CLEANING

- CC. Clean tile and grout surfaces.
 - a. Remove grout residue from tile as soon as possible.
 - b. Remove temporary protective coating by method recommended by coating manufacturer that is acceptable to brick and grout manufacturer. Trap and remove coating to prevent it from clogging drains.
- 2. Finished Tile Work: Leave finished installation clean and free of cracked, chipped, broken, unbonded, and otherwise defective tile work.
- 3. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure tile is without damage or deterioration at the time of Substantial Completion.
 - a. When recommended by tile manufacturer, apply a protective coat of neutral protective cleaner to completed tile walls and floors. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear.
- 4. Before final inspection, remove protective coverings and rinse neutral cleaner from tile surfaces.

3.9 PROTECTION

- DD. Do not permit traffic over finished floor surface for 4 days after installation.
- EE. FLOOR TILE INSTALLATION SCHEDULE
 - 1. Tile Floor Installation: For interior floor installations of this designation, comply with the following:
 - a. Installation Method: TCNA F122 (thin-set mortar bonded to waterproof membrane over concrete slab).
 - b. Setting Bed and Grout: ANSI A108.5 with the following mortar and grout:
 - 1) Latex-portland cement mortar, ANSI A118.4.
 - 2) Epoxy grout, ANSI A118.3, color as indicated.
- FF. WALL TILE INSTALLATION SCHEDULE
 - 1. Tile Wall Installations CTWI-243: For interior wall installations of this designation, comply with the following:
 - a. Tile Type/Products: Refer to Finish Legend on Drawings.

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- b. Installation Method: TCNA W243 (thin-set bonded to gypsum board on metal studs).
- c. Setting Bed and Grout: ANSI A118.4 with the following mortar and grout:
 - 1) Latex-portland cement mortar.
 - 2) Sanded, clear-sealed Grout, ANSI A118.3, color as indicated.

END OF SECTION 093000



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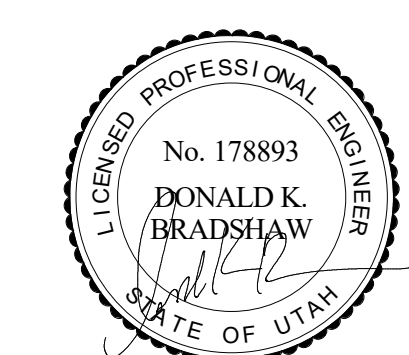
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Project #: 260005
CONSULTANTS

INTERMOUNTAIN HEALTH
LAYTON HOSPITAL SLEEP
LAB REMODEL
201 WEST LAYTON PARKWAY
LAYTON, UT 84041

BID SET

PROJECT STATUS



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PROJECT PHASE:
DRAWN BY: Author
CHECKED BY: Checker

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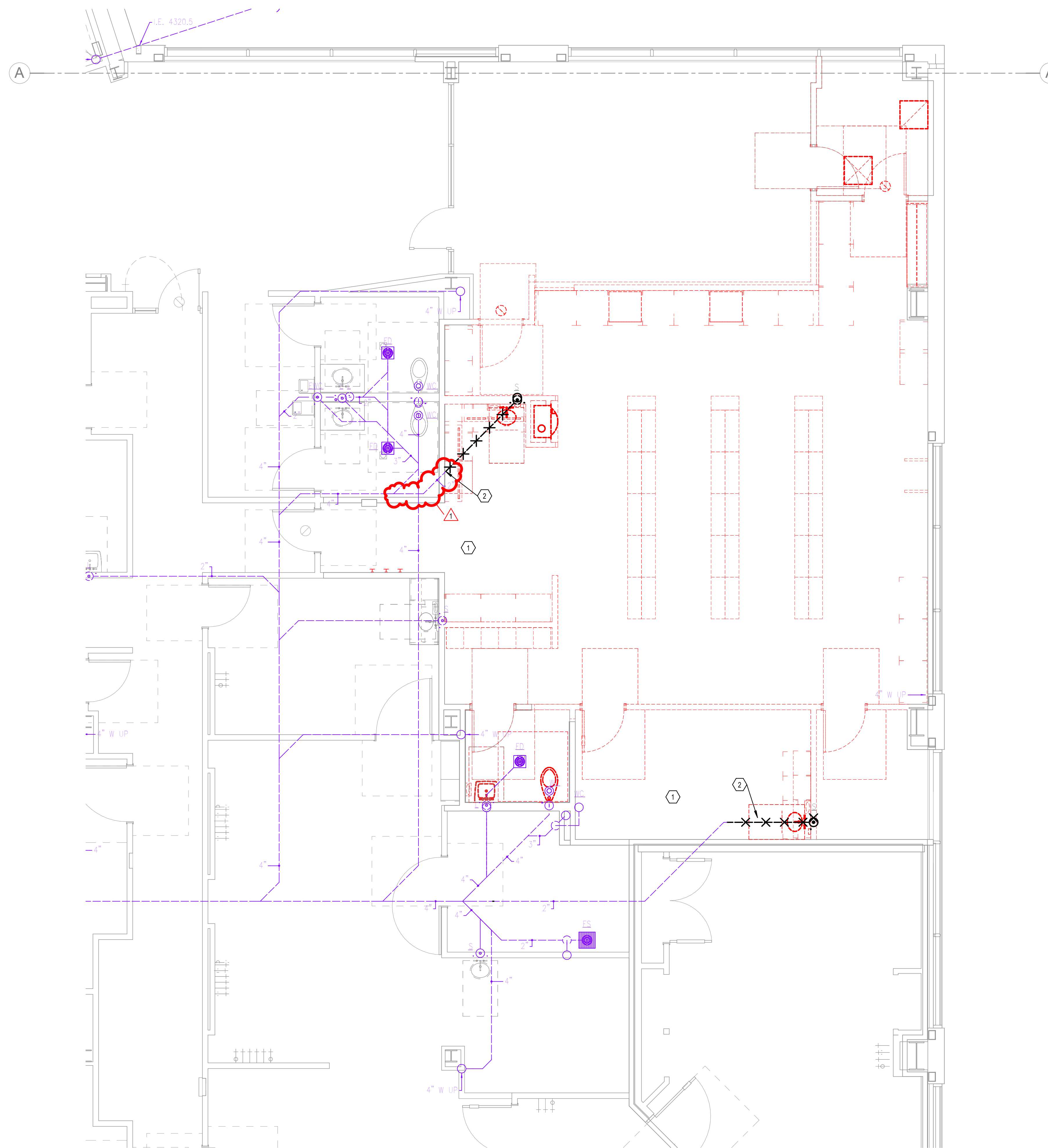
LEVEL 1 PLUMBING
UNDERFLOOR
DEMO PLAN

SHEET NAME

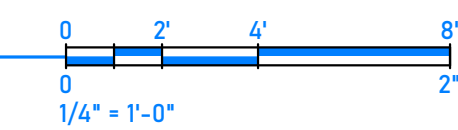
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SHEET NUMBER

KEYNOTES	
1	EXISTING WALLS AND PARTS TO REMAIN TO BE DEMOLISHED.
2	WASTE PIPING SERVING EXISTING SINK TO BE DEMOLISHED. CAP LINE AT PROJECT BORDER.



1 LEVEL 1 PLUMBING UNDERFLOOR DEMO PLAN
1/PD100 | SCALE: 1/4" = 1'-0"





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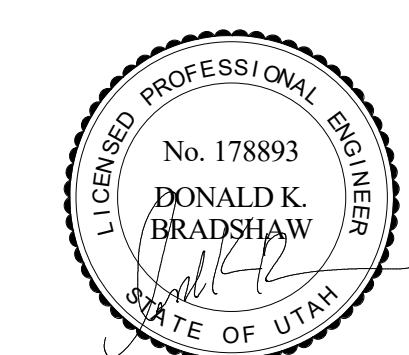
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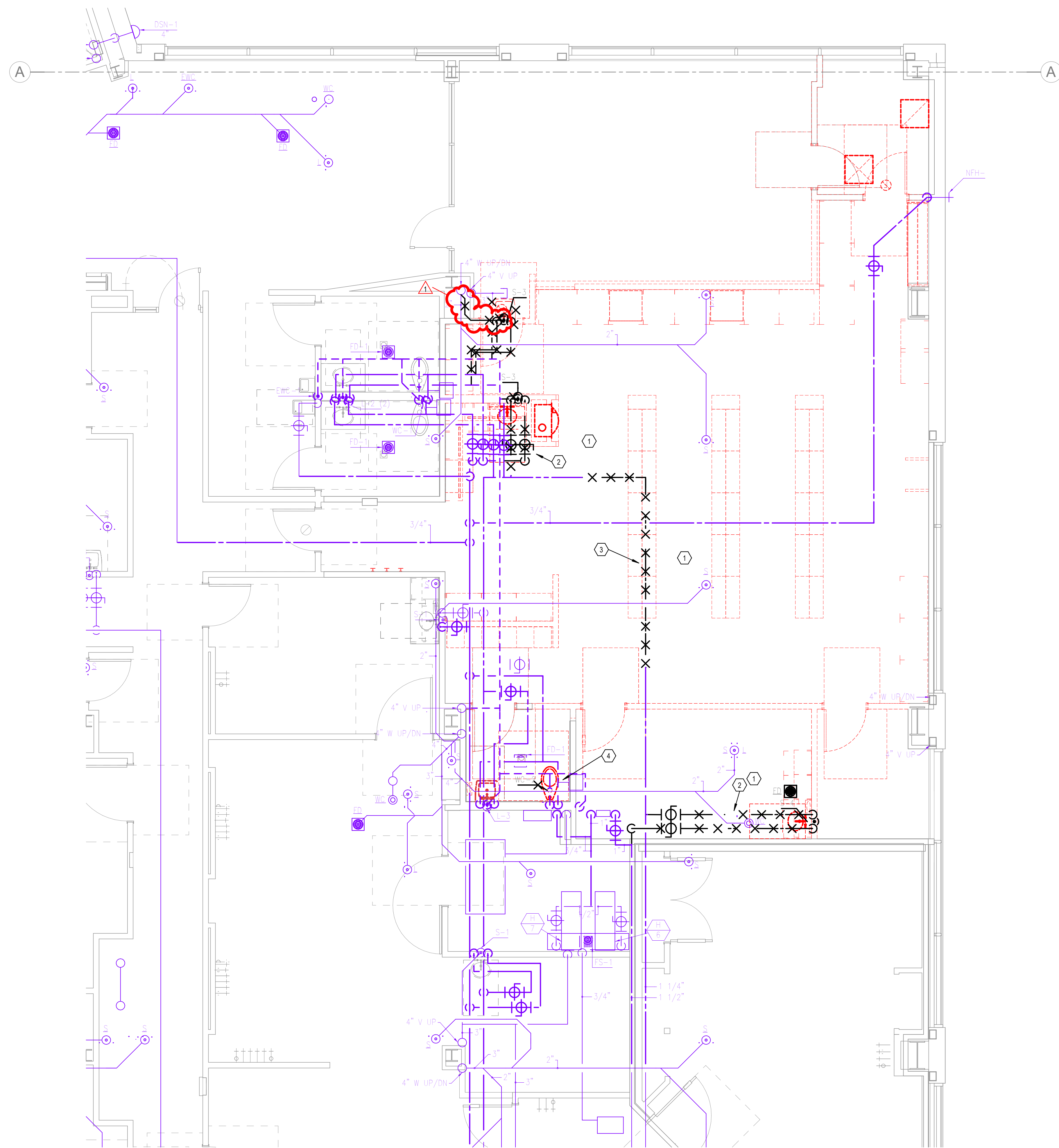
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DEMO PLAN**

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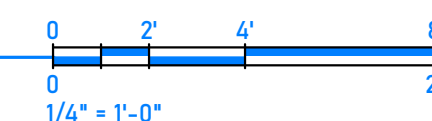
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SHEET NUMBER

KEYNOTES	
1	EXISTING SHOWN LIGHT AND PURPLE TO REMAIN. DARK AND CROSSED OUT TO BE DEMOLISHED.
2	DOMESTIC PIPING SERVING EXISTING SINK TO BE DEMOLISHED.
3	DEMOLISH PORTION OF EXISTING DOMESTIC HOT WATER LOOP.
4	EXISTING FIXTURES IN THIS ROOM TO REMAIN AND BE PROTECTED. EXISTING WATER CLOSET TO BE DEMOLISHED AND REPLACED WITH NEW.



1 LEVEL 1 PLUMBING DEMO PLAN
1/PD101 | SCALE: 1/4" = 1'-0"





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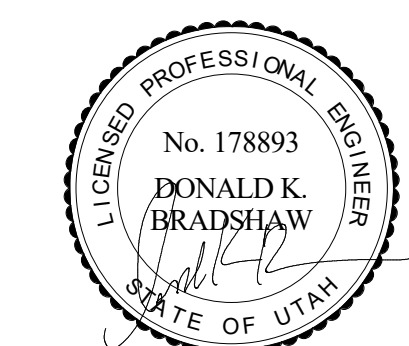
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**LEVEL 1 PLUMBING
PLAN**

SHEET NAME

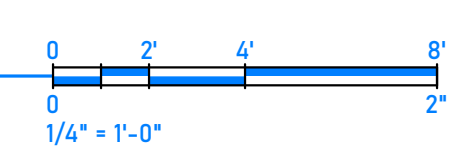
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SHEET NUMBER

KEYNOTES	
1	NEW CONNECTION TO EXISTING DOMESTIC COLD WATER.
2	NEW CONNECTION TO EXISTING DOMESTIC HOT WATER.
3	NEW CONNECTION TO EXISTING VENT.
4	WATER HEATER PROVIDED BY OWNER. PROVIDE ISOLATION VALVE AT INLET CONNECTION. SEE PASTEURIZER DETAIL ON DETAIL SHEET FOR PIPING INSTRUCTIONS.
5	PASTEURIZER PROVIDED BY OWNER. CONNECT TO DOMESTIC HOT AND COLD WATER, HIGH TEMPERATURE WATER AND WASTE AS SHOWN ON THE DETAILS SHEET, AND PER MANUFACTURERS RECOMMENDATIONS.
6	EXISTING FIXTURES IN THIS ROOM TO REMAIN AND BE PROTECTED. EXISTING WATER CLOSET TO BE DEMOLISHED AND REPLACED WITH NEW.



1 LEVEL 1 PLUMBING PLAN
1/P101 | SCALE: 1/4" = 1'-0"



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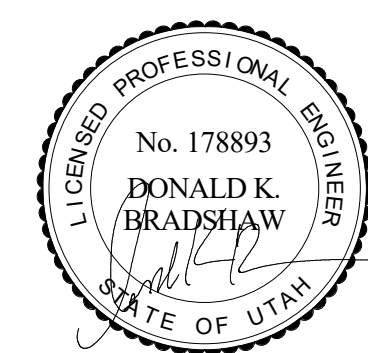
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PLUMBING
SCHEDULES

SHEET NAME

P600

SHEET NUMBER

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATION
EW-1	EYE WASH	1/2	1/2	--	--	WALL MOUNTED	EYE WASH: GUARDIAN G1848L-H, WALL MOUNTED EYE WASH, SWING DOWN, TWO GS-PLUS SPRAY HEADS WITH FLIP TOP DUST COVERS. PROVIDE WITH TMV G3600 THERMOSTATIC MIXING VALVE INSTALLED IN CABINETS BELOW SINK.
FD-1	FLOOR DRAIN	--	--	2	2	RESTROOM	FLOOR DRAIN (RESTROOM): SMITH FIGURE 2005Y-P050 FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED GRATE AND TRAP GUARD TYPE MECHANICAL TRAP SEAL DEVICE.
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	SOLID SURFACE COUNTER INTEGRAL SINK	SINK (INTEGRAL WITH COUNTER): SINK BASIN INTEGRAL WITH SOLID SURFACE COUNTER. PROVIDED BY OTHERS. SYMMONS SLW5512BZPP ELM LAVATORY FAUCET, 8-INCH CENTERS, METAL DRAIN ASSEMBLY. FAUCET SHALL BE METAL CONSTRUCTION PLATED IN BRUSH BRONZE FINISH. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-1	SINK	1/2	1/2	1 1/2	1 1/2	SOLID SURFACE COUNTER INTEGRAL SINK	SINK (INTEGRAL WITH COUNTER): SINK BASIN INTEGRAL WITH SOLID SURFACE COUNTER. PROVIDED BY OTHERS. SYMMONS SLW5512BZPP ELM LAVATORY FAUCET, 8-INCH CENTERS, METAL DRAIN ASSEMBLY. FAUCET SHALL BE METAL CONSTRUCTION PLATED IN BRUSH BRONZE FINISH. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-2	SINK	1/2	1/2	1 1/2	1 1/2	COUNTER MOUNTED, SINGLE COMPARTMENT	SINK: JUST SL-1815A-J 12" X 12" X 7 1/2" DEEP BOWL, COUNTER MOUNT SINGLE COMPARTMENT 18 GA. STAINLESS STEEL SINK, 8" CENTERS DRILLING, REAR-CENTER DRAIN CONFIGURATION. PROVIDE CHICAGO 786-GN8FCB0CP FAUCET, NO. 317 4" WRIST BLADES, GNS RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.5 GPM FC LAMINAR FLOW CONTROL IN SPOUT AND PLAIN END SPOUT RING. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, JUST J-35-FS STAINLESS STEEL CUP STRAINER AND CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
S-3	SINK	1/2	1/2	1 1/2	1 1/2	WALL MOUNTED, GOOSENECK FAUCET	SINK (WALL HUNG): KOHLER K-2032 GREENWICH 20" X 18", "D" SHAPED BOWL, VITREOUS CHINA, WALL-MOUNT LAVATORY WITH DUAL FRONT OVERFLOW, 8" FAUCET CENTERS; K-7129 OPEN GRID STRAINER; CHICAGO 786-GN8FCB0CP FAUCET, NO. 317 4" WRIST BLADES, GNS RIGID/SWING CONVERTIBLE GOOSE NECK WITH 1.5 GPM FC LAMINAR FLOW CONTROL IN SPOUT AND PLAIN END SPOUT RING. PROVIDE LOOSE KEY ANGLE STOPS AND CHROME PLATED COPPER SUPPLIES AND 17 GA. CAST BRASS, CHROME PLATED P-TRAP. COVER ALL EXPOSED PIPING WITH WHITE "HAND-LAV GUARD" PROTECTOR TO MEET ADA REQUIREMENTS.
S-4	SINK	1/2	1/2	1 1/2	1 1/2	BREAK ROOM SINK	SINK (STAINLESS STEEL, COUNTER MOUNTED, SINGLE COMPARTMENT): JUST SL2019A-J 18GA, 304 STAINLESS STEEL SINK, 14" X 16" X 7-1/2" DEEP BASIN, SELF RIMMING, 8" CENTERS DRILLING WITH J-35 CUP STRAINER. SYMMONS S-23-BH-1.5 KITCHEN FAUCET WITH 1.5 GPM AERATOR. FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.
SD-1	SHOWER DRAIN	--	--	2	1 1/2	CHROME PLATED STRAINER	SHOWER DRAIN: SMITH 2005Y-CP FLOOR DRAIN WITH CAST IRON BODY AND FLASHING COLLAR WITH 6-INCH SQUARE CHROME PLATED ADJUSTABLE STRAINER STRAINER HEAD WITH SECURED GRATE.
SH-1	SHOWER	1/2	1/2	2	2	ADA	SHOWER (ADA COMPLIANT): CHICAGO 1921-V0CCP THERMOSTATIC / PRESSURE BALANCE DRAINING SHOWER VALVE WITH LEVER HANDLE; SUPPLY CHICAGO 154-LADCLESS HEAD, SYMMONS ADACHS-1.5 GPM WITH PAUSE CONTROL, ADJUSTABLE HIGH LIMIT STOP SCREW, INTEGRAL SERVICE STOPS WITH CHECKS, (2) 3/4" SS HOSES WITH AUTOMATIC HOSE DRAIN, IN-LINE BREAKER, WALL CONNECTION AND ADA GRAB AND SLIDE BAR FOR HAND SHOWER MOUNTING.
WB-1	WASHER BOX	1/2	1/2	2	1 1/2	DUAL TEMP. DRAIN	WASHER BOX: GUY GRAY 82039 RIGHT DRAIN, GALVANIZED WASHING MACHINE OUTLET BOX WITH (2) CHROME QUARTER TURN BALL VALVES WITH 1/2" SWEAT CONNECTION, 3/4" HOSE THREAD OUTLET, AND 2" RIGHT DRAIN.
WC-1	WATER CLOSET	1	--	4	2	FLOOR MOUNTED, FLUSH VALVE	WATER CLOSET: KOHLER K-4368 HIGHCHIEF VITREOUS CHINA, FLOOR MOUNTED, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA TOILET WITH K-4670-C LUSTRA WALL-FRONT SEAT, ADA MODEL. MANUFACTURED BY KOHLER. PROVIDE 1/2" DIA. 1/2" WALL FLANGE AND 1/2" DIA. 1/2" WALL FLANGE. PROVIDE 1/2" DIA. 1/2" WALL FLANGE AND 1/2" DIA. 1/2" WALL FLANGE.
WC-2	WATER CLOSET	1	--	4	2	FLOOR MOUNTED, TANK TYPE, ADA	WATER CLOSET: SLOAN MODEL PDS-WETS-4029 4X13-STG-V, TANK TYPE, FLOOR MOUNTED, ADA HEIGHT, ELONGATED BOWL, 12" ROUGH IN, 1.6 GPF, RIGHT OR LEFT HANDLE TO WIDE SIDE OF ROOM, SLOANTEC GLAZE, OPEN FRONT SEAT AND SEAT LID.

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

MEDICAL GAS VALVE SCHEDULE

SYMBOL	AREA SERVED	PIPE SIZE			REMARKS
		OX	MA	MV	
MV-1	SLEEP ROOMS	1/2"	--	--	1

1. WITH GAUGES

MEDICAL GAS OUTLETS SCHEDULE

SYMBOL	ROOM TYPE	# OF OUTLETS			PIPE DROP SIZE TO OUTLET(S)			REMARKS
		OX	MA	MV	OX	MA	MV	
MO-1	SLEEP ROOMS	1	--	--	1/2"	--	--	1

UNLESS NOTED OTHERWISE, ALL OUTLETS ARE CHEMETRON-STYLE QUICK-CONNECTS
OUTLETS IN "MEDICAL EQUIPMENT" ARE SUPPLIED WITH THE PIECE OF EQUIPMENT
1. PIPE DROP SIZES ARE FOR ONE SET OF OUTLETS.

MEDICAL GAS CONTROL PANEL SCHEDULE

SYMBOL	ROOM TYPE	# OF OUTLETS SEVED BY PANEL			PIPE DROP SIZE TO OUTLET(S)			REMARKS
		OX	MA	MV	OX	MA	MV	
MGC-1	SLEEP ROOMS 1 & 2	2	--	--	1/2"	--	--	1
MGC-2	SLEEP ROOMS 3 & 4	2	--	--	1/2"	--	--	1

1. CONTROL PANEL SHALL BE POWEREX PX-SLP-2.