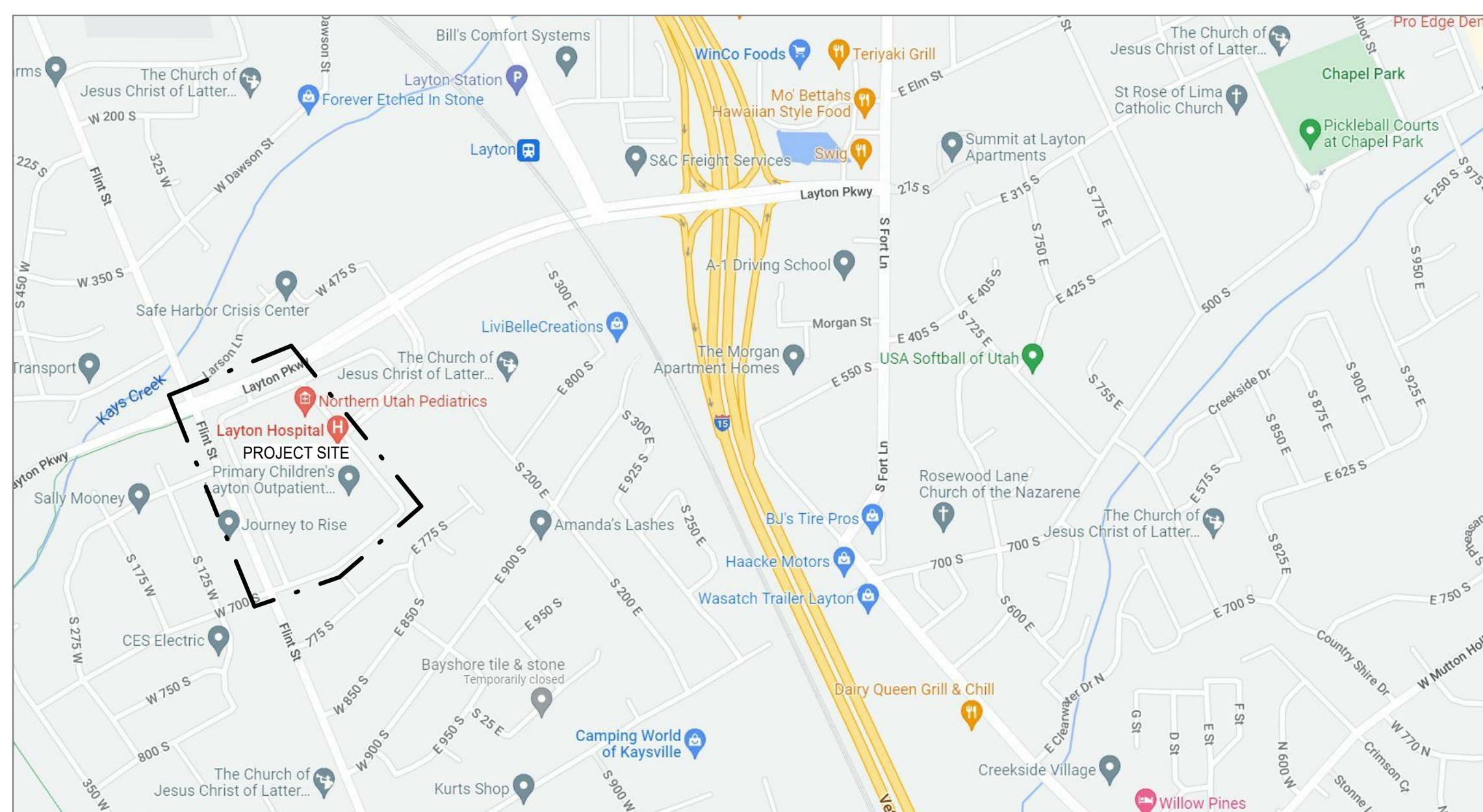


INTERMOUNTAIN HEALTH CARE LAYTON HOSPITAL - CT REMODEL

201 LAYTON PARKWAY
LAYTON, UT 84041



VICINITY PLAN



GENERAL NOTES

- BRIEFLY, AND WITHOUT FORCE AND EFFECT UPON THE CONTRACT DOCUMENTS, THE SCOPE OF WORK CAN BE SUMMARIZED AS FOLLOWS: WORK INCLUDES RECONFIGURATION OF EXISTING SPACE WITHIN A 3 PHASED PROJECT TO CREATE ROOM FOR A NEW CT SCANNER. WORK INCLUDES CONSTRUCTION OF NEW WALLS AND DOORS AS INDICATED ON THE DRAWINGS, NEW SUSPENDED CEILING & LIGHT FIXTURES, REMODELS TO THE MECHANICAL, PLUMBING & 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 EMPLOYEES FROM PERFORMING THEIR WORK. COORDINATE ALL ACTIVITIES WITH THE INTERMOUNTAIN HEALTH CARE PROJECT MANAGER 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, SPEC.S, APPENDIX, 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 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.
- PATCH AND REPAIR WALL SURFACES AS NEEDED DUE TO CONSTRUCTION, TOUCH UP PAINT TO MATCH EXISTING COLOR AND SHEEN.
- COORDINATE WITH INTERMOUNTAIN HEALTH CARE PROJECT MANAGER FOR REMOVAL OF WALL HUNG EQUIPMENT, ARTWORK, ETC. TO BE STORED DURING CONSTRUCTION.
- ALL MILLWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH A W.I. STANDARDS FOR REVEAL OVERLAY CONSTRUCTION, CUSTOM GRADE. PROVIDE EUROPEAN HINGES (135 DEGREE) & HEAVY-DUTY DRAWER GLIDES. PULLS TO BE 4" WIRE PULLS W/ BRUSHED STAINLESS FINISH. PROVIDE SHOP DRAWINGS FOR APPROVAL BY ARCHITECT AND TENANT BEFORE CONSTRUCTION OF MILLWORK.

CODE ANALYSIS

APPLICABLE CODES:
2018 INTERNATIONAL BUILDING CODE
2018 INTERNATIONAL MECHANICAL CODE
2020 NATIONAL ELECTRIC CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
R432 UTAH STATE RULES
2015 NFPA 101 LIFE SAFETY CODE
2010 HEALTHCARE GUIDELINES

CHP. 3 USE & OCCUPANCY
MAIN LEVEL WORK - OCCUPANCY GROUP I-2
THIRD LEVEL WORK - OCCUPANCY GROUP - B

CHP. 6 TYPES OF CONSTRUCTION
MAIN LEVEL WORK AREA WITHIN TYPE 1A
THIRD LEVEL WORK AREA WITHIN TYPE 2B

REQUIRED FIRE RATINGS	TYPE 1A	TYPE 2B
SHAFTS	2	2
COLUMNS	3	0
BEAMS	3	0
FLOOR / CEILING	2	0
ROOF / CEILING	1.5	0

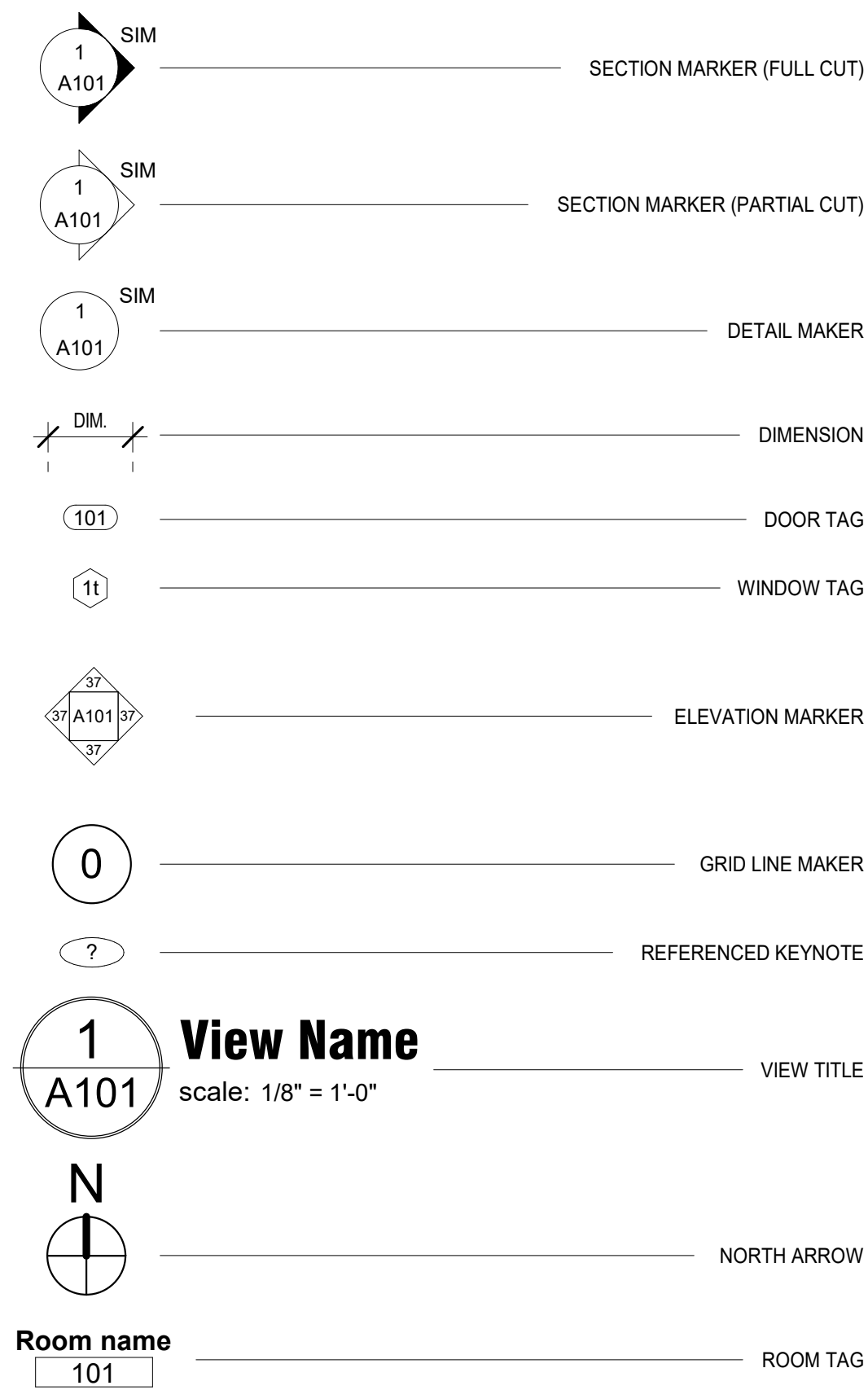
CHP. 9 FIRE PROTECTION AND LIFE SAFETY SYSTEMS
FIRE EXTINGUISHERS - NOT MODIFIED, EXISTING TO REMAIN

AUTOMATIC SPRINKLER SYSTEMS DESIGNED TO MEET NFPA 13 (IBC 903.3.1.1) MODIFICATIONS TO BE PER DELEGATED DESIGN.

CLASS 1 STANDPIPE SYSTEM, EXISTING TO REMAIN

CHP. 10 MEANS OF EGRESS
OCCUPANT LOAD AND EGRESS EXITING, EXISTING TO REMAIN, NOT MODIFIED.

SYMBOL LEGEND



ABBREVIATION LEGEND

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

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A101 LEVEL 1 PLAN
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A103 LEVEL 3 PLAN
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A113 LEVEL 3 REFLECTED CEILING PLAN
A401 INTERIOR ELEVATIONS
A510 INTERIOR DETAILS
A511 INTERIOR DETAILS
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EY102 LEVEL 3 AUXILIARY PLAN

INTERMOUNTAIN HEALTH CARE LAYTON
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201 LAYTON PARKWAY
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#	DATE	DESCRIPTION

ISSUE: 9/29/22
PROJECT NO: 7022201
DRAWN BY: BJM
CHECKED BY: BJM

TITLE SHEET

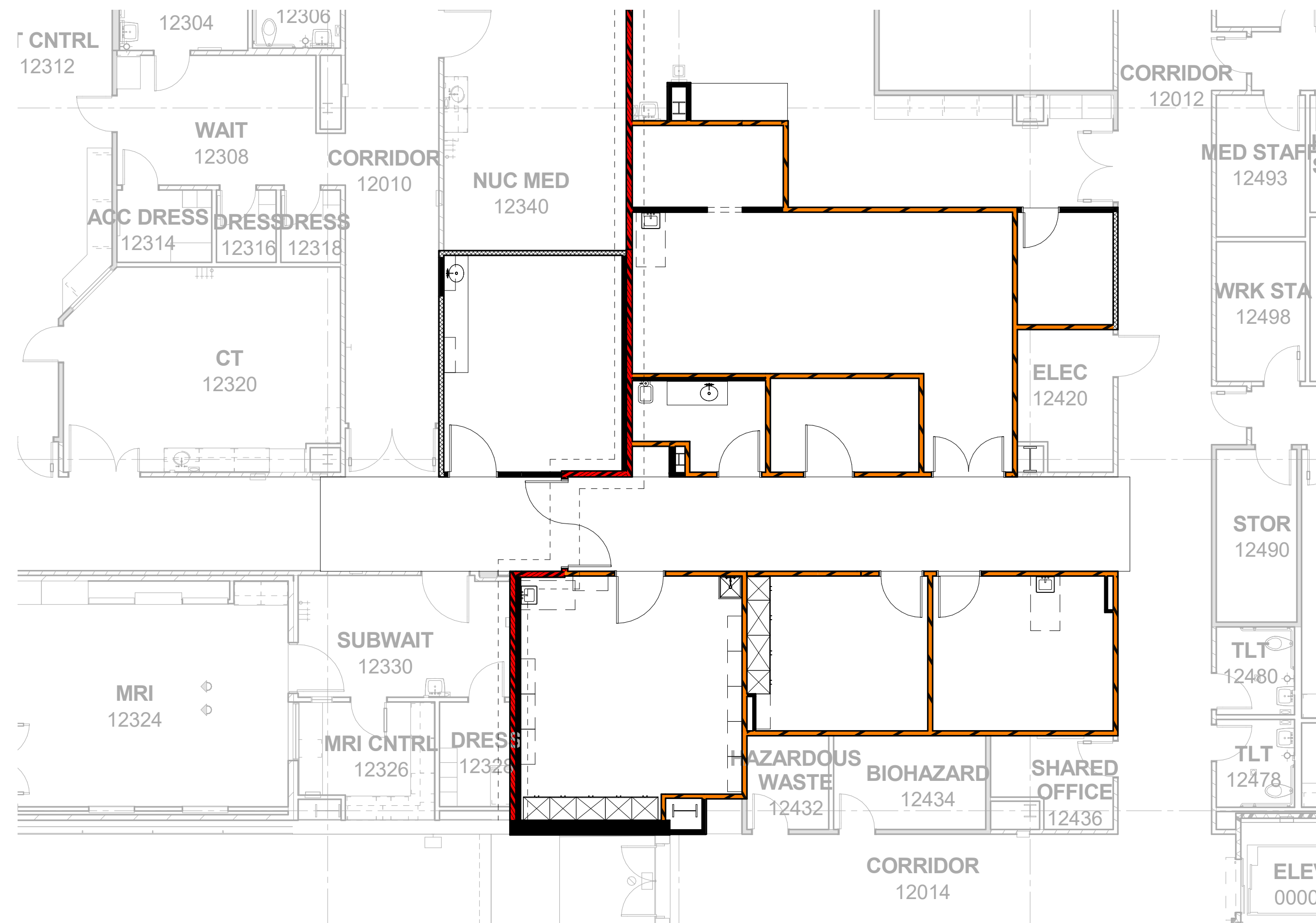
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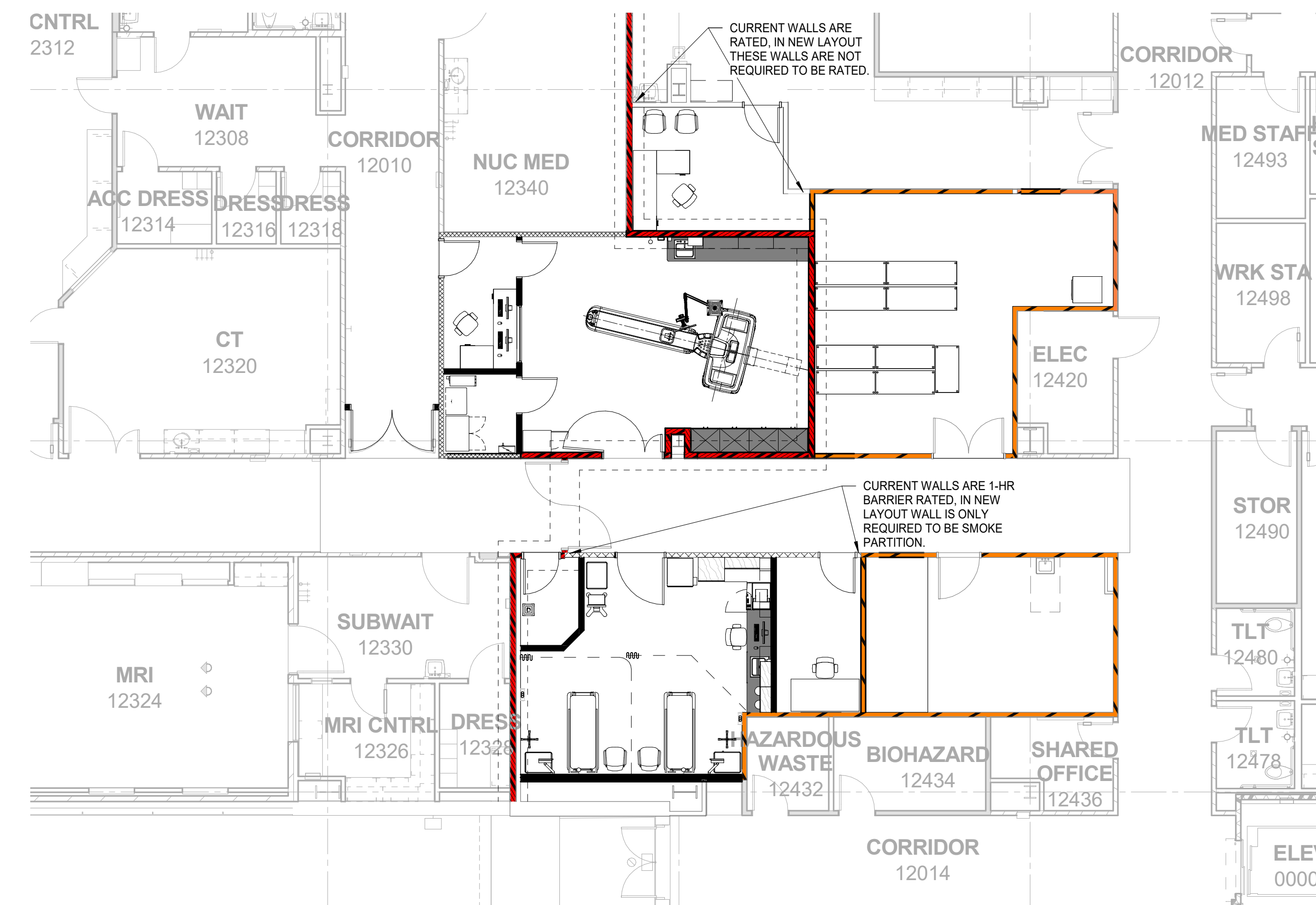


ENVIRONMENTS FOR HEALTH ARCHITECTURE
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 ORIGINAL PAPER SIZE



1
G001 **EXISTING LEVEL 1 - LIFE SAFETY CODE PLAN**
 scale: 1/8" = 1'-0"



2
G001 **LEVEL 1 - NEW CODE PLAN**
 scale: 1/8" = 1'-0"

EGRESS EXITING

WITH NO CHANGES TO CORRIDORS OR ACCESS TO CORRIDORS THERE IS NO SIGNIFICANT MODIFICATION TO OVERALL EGRESS EXITING

SPACE OCCUPANCY CLASSIFICATION

Classification	Area Per Occupant	Occupancy Gross or Net
Accessory Storage	300 SF	Gross
Assembly Without Fixed Seats - Unconcentrated (tables and chairs)	15 SF	Net
Business Areas	150 SF	Gross
Educational - Shops and other vocational room areas	50 SF	Net
Institutional Areas - Inpatient treatment areas	240 SF	Gross
Institutional Areas - Outpatient areas	100 SF	Gross
Institutional Areas - Sleeping areas	120 SF	Gross
Kitchens, Commercial	200 SF	Gross
Locker Rooms	50 SF	Gross

DUE TO LIMITED AREA BEING AFFECTED WE HAVE COMPARED THE AFFECTED AREA'S EXISTING OCCUPANT LOAD VERSUS THE NEW OCCUPANT LOAD. ON LEVEL 1 WE HAVE DECREASED THE OCCUPANT LOAD BY 1, AND ON LEVEL 3 WE HAVE INCREASED BY 2. NEITHER AFFECT EXITING SIZING, PLUMBING CALCULATIONS ETC.

EXISTING OCCUPANCY AREA...

NAME	AREA	PERCENTAGE	AREA PER OCCUPANT	OCCUPANT LOAD
LEVEL 1				
BUSINESS AREAS	722 SF	26%	150 SF	4.81176
INPATIENT TREATMENT	298 SF	11%	240 SF	1.241673
STORAGE	838 SF	30%	300 SF	2.792405
STORAGE	203 SF	7%	300 SF	0.676829
				9.522666
LEVEL 3				
ACCESSORY STORAGE	754 SF	27%	300 SF	2.514848
				2.514848
Grand total				12.037514

OCCUPANCY AREA SUMMARY

NAME	AREA	PERCENTAGE	AREA PER OCCUPANT	OCCUPANT LOAD
LEVEL 1				
BUSINESS AREAS	295 SF	10.54%	150 SF	1.97
INPATIENT TREATMENT	923 SF	33.01%	240 SF	3.84
STORAGE	824 SF	29.47%	300 SF	2.75
	2041 SF			8.56
LEVEL 3				
ACCESSORY STORAGE	105 SF	3.76%	300 SF	0.35
BUSINESS AREAS	614 SF	21.98%	150 SF	4.10
OUTPATIENT AREAS	35 SF	1.25%	100 SF	0.35
	754 SF			4.80
TOTAL:	2796 SF			13.35

WALL LEGEND

- SCHEDULED WALL, SEE FLOOR PLANS
- 1-HOUR FIRE BARRIER, UL RATED DESIGN No. U419
- 2-HOUR FIRE BARRIER, UL RATED DESIGN No. U419
- 2-HOUR FIRE BARRIER, (HORIZONTAL EXIT) UL RATED DESIGN No. U419
- SMOKE BARRIER (1-HOUR RATED), UL RATED DESIGN No. U419
- SMOKE PARTITION, NO FIRE RATING, CAPABLE OF RESISTING THE PASSAGE OF SMOKE



DATE	DESCRIPTION

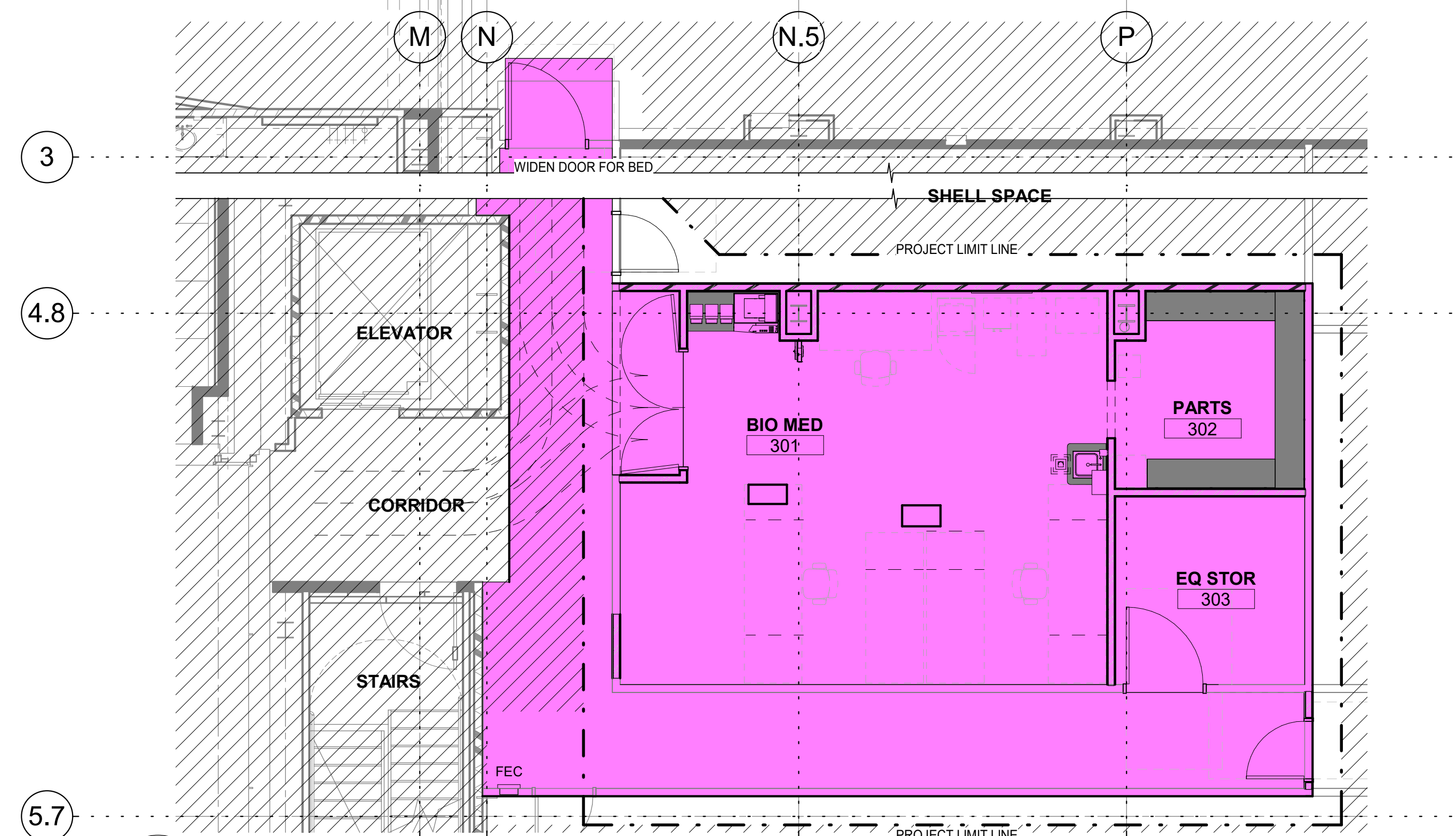
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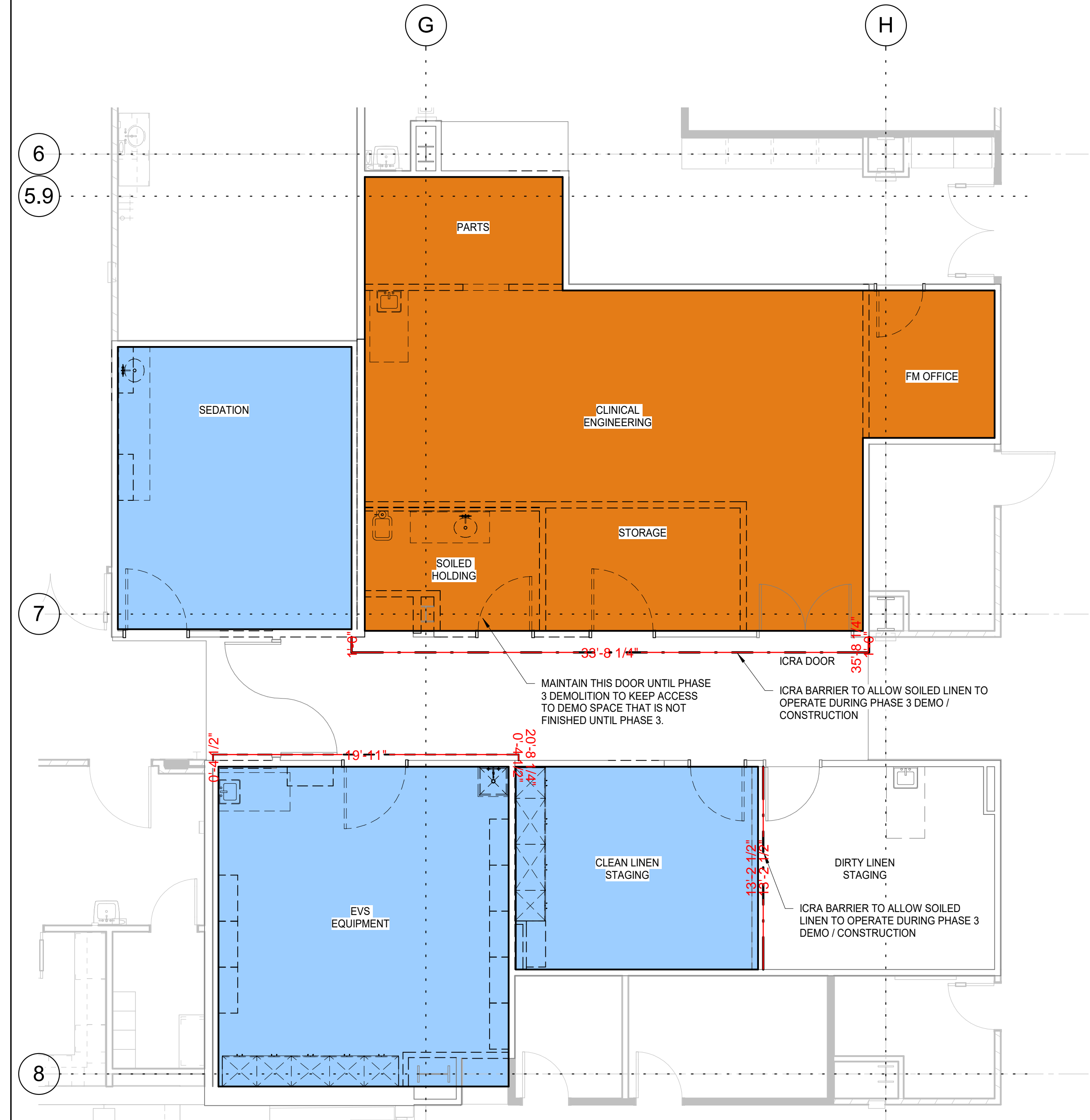
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PHASING LEGEND

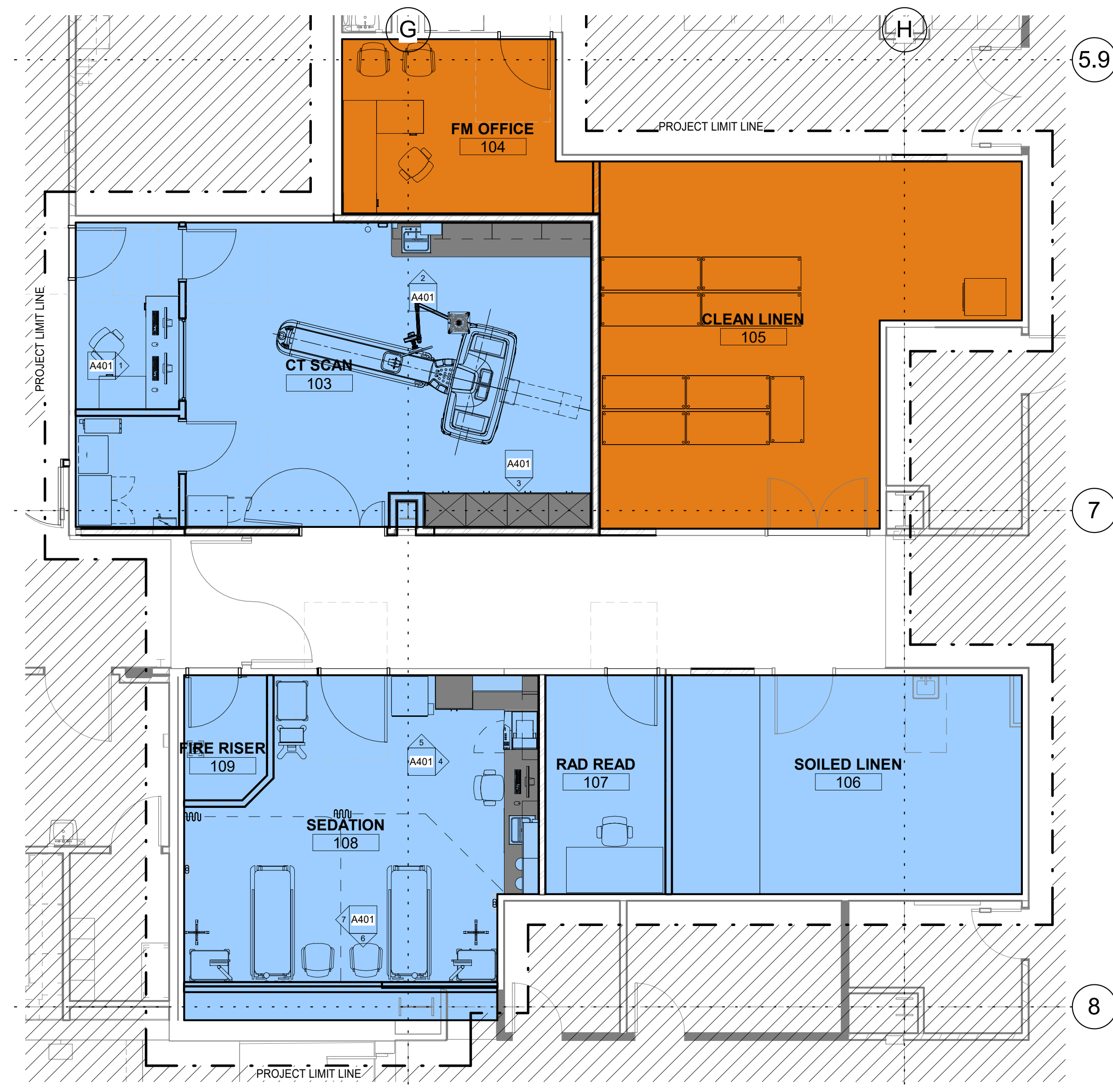
- PHASE 1: BIOMED BUILD OUT ON 3RD FLOOR SHELL SPACE
- PHASE 2: DEMOLISH EXISTING BIO-MED, FACILITY OFFICE, SOILED HOLDING.
BUILD OUT NEW FACILITIES OFFICE, CLEAN LINEN, FIRE RISER AND SEDATION ROOM.
- PHASE 3: DEMOLISH EXISTING SEDATION, CLEAN LINEN.
BUILD OUT CT ROOM, RADIOLOGY READING ROOM AND EXPAND SOILED LINEN ROOM.



3 LEVEL 3 PHASING PLAN
AP101 scale: 3/16" = 1'-0"



2 MAIN FLOOR DEMO PHASING PLAN
AP101 scale: 3/16" = 1'-0"



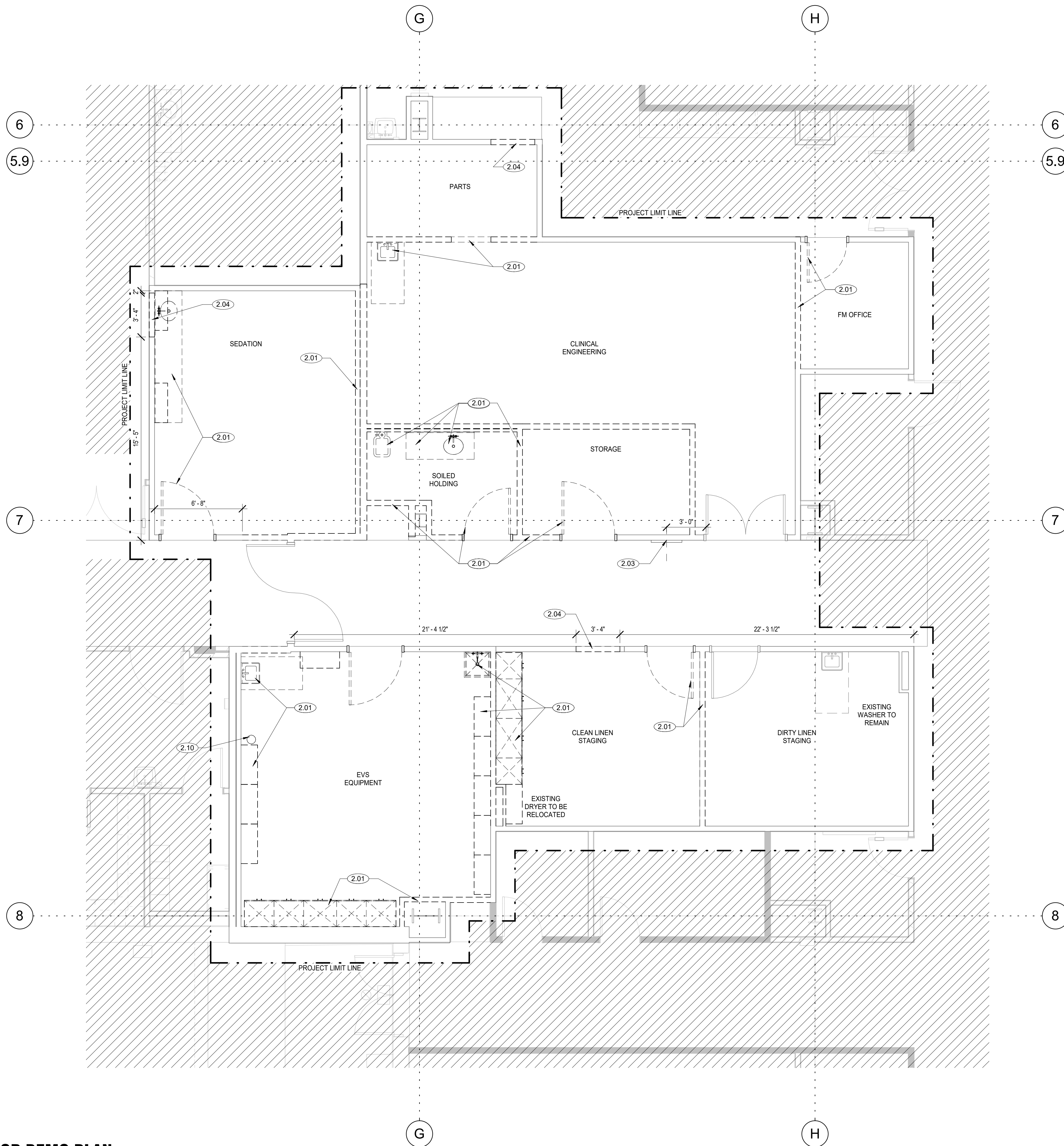
1 LEVEL 1 - PHASING PLAN
AP101 scale: 3/16" = 1'-0"



DATE	DESCRIPTION

ORIG SUBMISSION: 07/08/22
CURRENT:

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 ONE FOOT FROM THE CENTER
 OF THE ORIGINAL PAGE SIZE



DEMOLITION GENERAL NOTES

1. DASHED LINES REPRESENT WALLS, MILLWORK & OTHER ARCHITECTURAL ELEMENTS TO BE DEMOLISHED. CAP ANY UN-USED PLUMBING & ELECTRICAL CONDUIT BELOW FINISH FLOOR. PATCH & REPAIR FLOOR AS REQUIRED PRIOR TO INSTALLATION OF USED FIXTURES. CLEAN AND TOUCH UP FINISHES OF FIXTURES AS REQUIRED.
2. REMOVE ALL CEILING TILE AND GRID, TYP. RETAIN ALL SUPPLY AIR & RETURN AIR DIFFUSERS & GRILLES FOR RE-USE.
3. REMOVE AND RETAIN FOR RE-USE - TOILET, SINK, SOAP AND TOWEL DISPENSER, GRAB BARS, ETC. PROTECT FROM DAMAGE & RETURN TO BUILDING OWNER FOR RE-USE.
4. REMOVE ALL EXISTING FLOOR FINISHES INCLUDING WALL BASE, UNLESS NOTED AS "EXISTING TO REMAIN" IN FINISH SCHEDULE. BE SURE TO REMOVE ALL ADHESIVE, ETC. PATCH & REPAIR FLOOR AND WALLS AS REQUIRED BEFORE INSTALLING NEW FINISHES.
5. REMOVE AND RETAIN FOR RE-USE - ALL INTERIOR DOORS AND FRAMES, TYP.
6. SCAN FLOOR BEFORE SAW CUTTING TO ENSURE NO LINES, CONDUIT OR ANYTHING IS CUT.
7. ANY CUTTING, LOUD OR DISTURBING DEMOLITION WORK TO BE COORDINATED / SCHEDULED WITH HOSPITAL PRIOR TO BEGINNING.

REFERENCE NOTES

- 2.01 DASHED LINES REPRESENT WALLS, MILLWORK & OTHER ARCHITECTURAL ELEMENTS TO BE DEMOLISHED. CAP ANY UN-USED PLUMBING & ELECTRICAL CONDUIT BELOW FINISH FLOOR. PATCH & REPAIR FLOOR AS REQUIRED PRIOR TO INSTALLATION OF USED FIXTURES, CLEAN AND TOUCH UP FINISHES OF FIXTURES AS REQUIRED.
- 2.03 MED GAS ZONE VALVE BOX TO REMAIN, PROTECT IN PLACE.
- 2.04 PREPARE WALL FOR NEW DOOR, SEE NEW FLOOR PLAN.
- 2.10 EXISTING FIRE RISER TO REMAIN, PROTECT DURING CONSTRUCTION.



INTERMOUNTAIN HEALTHCARE
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Δ	DATE	DESCRIPTION

KEY PLAN
 LEVEL 1



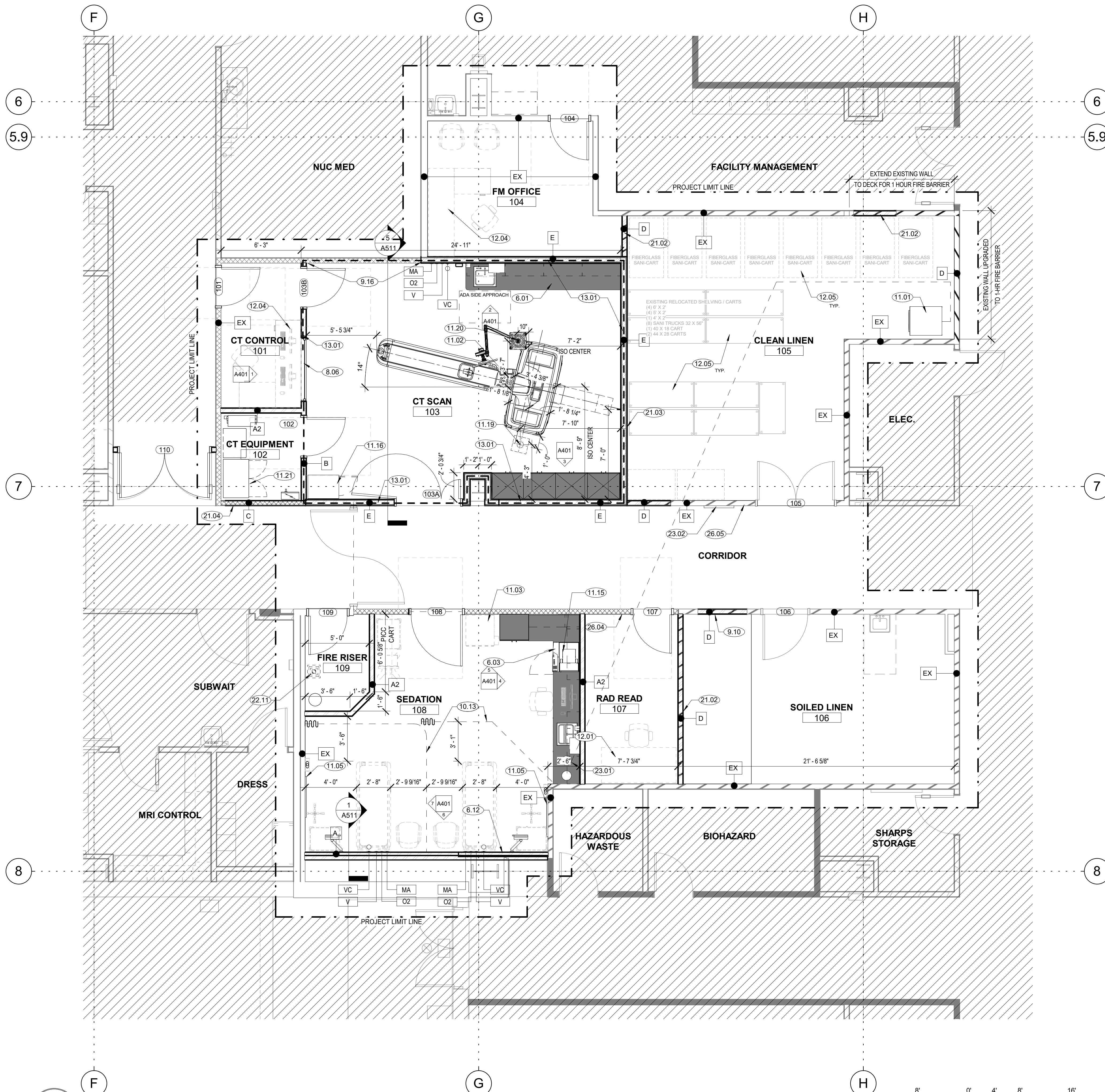
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 CURRENT:

SHEET TITLE AND NUMBER:
AD101
 LEVEL 1 DEMOLITION PLAN

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

PROJECT: 7022021

THE LINE SHOWN ABOVE IS EXACTLY
 THE SAME AS THE LINE SHOWN BELOW
 UNLESS OTHERWISE NOTED



FLOOR PLAN GENERAL NOTES

- G.C. SHALL VERIFY DIMENSIONS OF OWNER FURNISHED EQUIPMENT AND COORDINATE INSTALLATION WITH ALL TRADES WHERE REQUIRED.
- REFER TO FINISH SHEETS FOR PARTITION PROTECTION INFORMATION INCLUDING BUT NOT LIMITED TO ALL CORNER GUARD TYPES AND LOCATIONS.
- G.C. SHALL INSTALL METAL BACKING FOR ALL PARTITION-MOUNTED EQUIPMENT, ACCESSORIES, PARTITION STOPS, ETC.
- G.C. SHALL INSTALL FIRE-RETARDANT WOOD BLOCKING WITHIN WALLS BASED ON CASEWORK ELEVATIONS AND ALL INTERIOR PARTITION ELEVATIONS.
- ALL INTERIOR WALLS SHALL RECEIVE 5/8" TYPE 'X' GYPSUM BOARD.
- G.C. SHALL PROVIDE UL APPROVED FIRE-RESISTIVE PENETRATION SYSTEMS WHERE PLUMBING IS LOCATED IN A FIRE-RATED PARTITION ASSEMBLY.

REFERENCE NOTES

- 6.01 NEW SOLID SURFACE COUNTER AND P-LAM CASEWORK.
- 6.03 NEW SOLID SURFACE COUNTER - RELOCATE EXISTING CASEWORK.
- 6.12 WOOD PANEL HEAD WALL, TO MATCH EXISTING SEDATION ROOM. SEE SECTION 1/A511.
- 8.06 NEW LEAD LINED WINDOW. SEE PHYSICISTS REPORT FOR LEAD REQUIREMENTS. SEE INTERIOR ELEVATION FOR SIZE AND HEIGHT.
- 9.10 INFILL DOOR OPENING.
- 9.16 REPLACE EXISTING GYPSUM BOARD WITH LEAD LINED GYPSUM BOARD. SEE PHYSICISTS REPORT FOR LEAD REQUIREMENTS.
- 10.13 CUBICLE CURTAIN, ON THE RIGHT TRACK - CEILING MOUNTED TRACK - COORDINATE CONNECTION TO GRID WITH MECHANICAL AND ELECTRICAL DEVICES AS REQUIRED. FABRIC TO MATCH EXISTING, MINI SQUARES BEIGE WITH WHITE MESH TOP.
- 11.01 RELOCATE EXISTING COMMERCIAL DRYER.
- 11.02 NEW GE REVOLUTION ASCEND CT SCANNER. SEE GE VENDOR DRAWINGS AS WELL AS ELECTRICAL AND MECHANICAL PLANS. COORDINATE DELIVERY PATH INTO ROOM.
- 11.03 OWNER PROVIDED OMNI-CELL MEDICATION DISTRIBUTION MACHINE. SEE ELECTRICAL PLANS.
- 11.05 OWNER PROVIDED MONITOR / T.V. CONTRACTOR TO PROVIDE BACKING IN WALL AND COORDINATE ELECTRICAL POWER AND DATA.
- 11.15 OWNER PROVIDED / INSTALLED RELOCATED MULTI-FUNCTION COUNTER-TOP PRINTER/SCAN/FAX. SEE ELECTRICAL PLANS FOR POWER AND DATA.
- 11.16 OWNER PROVIDED / INSTALLED BLANKET WARMER. SEE ELECTRICAL PLANS.
- 11.19 OWNER PROVIDED / VENDOR INSTALLED BAYER MEDRAD INJECTOR. G.C. TO PROVIDE STRUCTURAL ATTACHMENT. SEE STRUCTURAL PLANS.
- 11.20 OWNER PROVIDED / VENDOR INSTALLED GE OVERHEAD BOOM FOR MONITOR MOUNT. G.C. TO PROVIDE STRUCTURAL ATTACHMENT. SEE STRUCTURAL.
- 11.21 NEW GE EQUIPMENT, VENDOR INSTALLED. SEE GE VENDOR DRAWINGS AS WELL AS ELECTRICAL AND MECHANICAL PLANS.
- 12.01 MOVE FURNITURE FROM EXISTING READING ROOM.
- 12.04 WORK STATION AND CHAIR PROVIDED BY OWNER. COORDINATE ELECTRICAL CONNECTIONS WITH FURNITURE VENDOR MID-WEST.
- 12.05 OWNER PROVIDED RELOCATED EXISTING DESK, SHELVING UNIT AND CARTS. COORDINATE ELECTRICAL AND DATA LOCATIONS.
- 13.01 NEW LEAD LINING AROUND CT SCAN ROOM. SEE PHYSICIST REPORT FOR LEAD REQUIREMENTS. REPLACE EXISTING GYPSUM BOARD. NOTE THAT LEAD LINING TO EXTEND ALL THE WAY TO DECK. SEE SECTION 5/A511.
- 21.02 NEW 1-HOUR PARTITION.
- 21.03 NEW 2-HOUR FIRE/SMOKE BARRIER WALL.
- 21.04 BUILD NEW SMOKE PARTITIONS AND OR PATCH/REPAIR EXISTING.
- 22.11 NEW FLOOR SINK, RELOCATED TO ALLOW DOOR TO SWING OPEN. SEE PLUMBING PLANS.
- 23.01 TIE EXHAUST DUCTWORK INTO EXISTING EXHAUST DUCTWORK.
- 23.02 EXISTING MED GAS VALVES TO REMAIN.
- 26.04 PROVIDE SEPARATE THERMOSTAT/ZONE FOR TEMP CONTROL.
- 26.05 PROVIDE AUTOMATIC DOOR OPERATOR ACTIVATED CARD READER HERE. SEE ELECTRICAL.

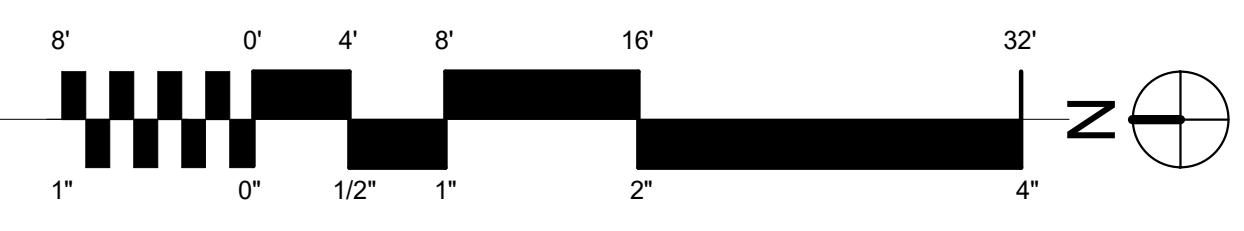
GRAPHICAL LEGEND

NEW MILLWORK

WALL LEGEND

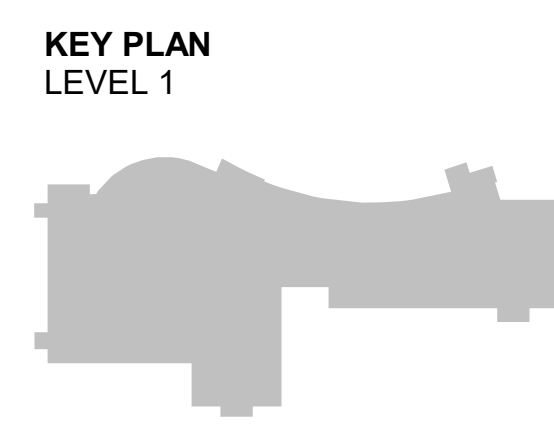
- 2-HR FIRE BARRIER, UL 419, SEE DETAIL 7/A510 AND G001 CODE DIAGRAMS
- 1-HR FIRE BARRIER, UL 419, SEE DETAIL 8/A510 AND G001 CODE DIAGRAMS
- SMOKE PARTITION, NON-RATED BUT SMOKE SEALED
- A ● 3-5/8" METAL STUD WITH 5/8" GYPSUM BOARD ON EACH FINISHED SIDE. A-1 WALL TO EXTEND 6" ABOVE FINISHED CEILING. A-2 WALL TO EXTEND TO DECK. SEE DETAILS 5 & 6 / A510.
- B ● 3-5/8" METAL STUD WITH 5/8" GYPSUM BOARD EACH SIDE. LEAD LINED PER PHYSICIST REPORT. NOTE WALL AND LEAD IS TO EXTEND TO DECK. WALL STRUCTURE TO FOLLOW DETAIL 6/A510.
- C ● 3-5/8" METAL STUD WITH 5/8" GYPSUM BOARD EACH SIDE. SMOKE PARTITION. (WALL TO DECK, WITH ALL PENETRATIONS SMOKE SEALED) WALL STRUCTURE TO FOLLOW DETAIL 6/A510.
- D ● 3-5/8" METAL STUD WITH 5/8" GYPSUM BOARD EACH SIDE. 1 HR FIRE BARRIER. UL 419, SEE DETAIL 7/A510.
- E ● 3-5/8" METAL STUD WITH (2) LAYERS OF 5/8" GYPSUM BOARD EACH SIDE. 2 HR FIRE BARRIER. UL 419, SEE DETAIL 8/A510.
- EX ● EXISTING WALL TO REMAIN. SEE G001 CODE DIAGRAMS TO SEE IF WALL NEEDS RATING MODIFICATIONS

1 LEVEL 1 - NEW PLAN
 A101 scale: 1/4" = 1'-0"



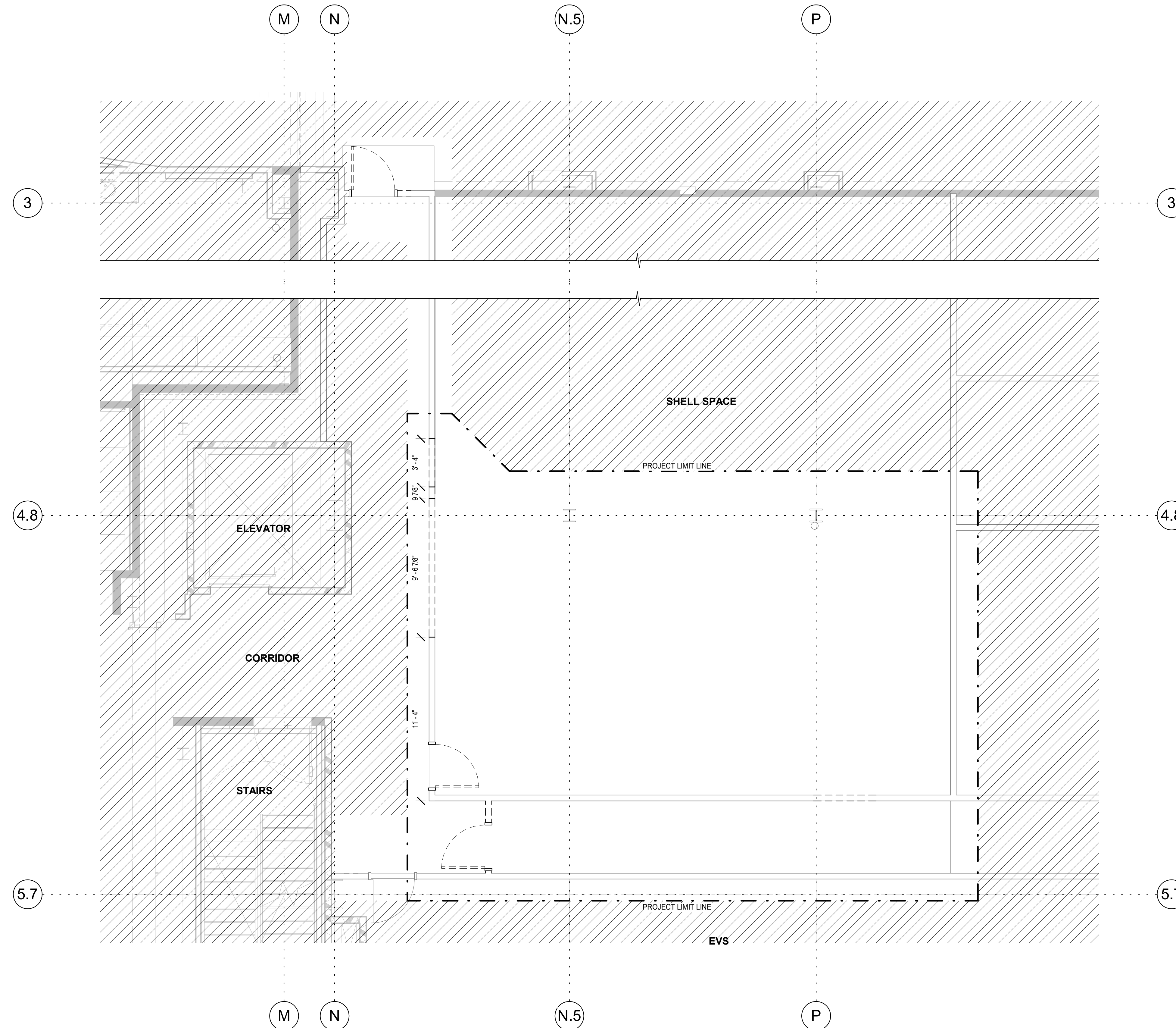
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A101
 LEVEL 1 PLAN

THE LINE SHOWN ABOVE IS EXACTLY
 THE LOCATION OF THE
 ORIGINAL FLOOR FINISH



1 LEVEL 3 DEMO PLAN
 AD103 scale: 1/4" = 1'-0"

DEMOLITION GENERAL NOTES

1. DASHED LINES REPRESENT WALLS, MILLWORK & OTHER ARCHITECTURAL ELEMENTS TO BE DEMOLISHED. CAP ANY UN-USED PLUMBING & ELECTRICAL CONDUIT BELOW FINISH FLOOR. PATCH & REPAIR FLOOR AS REQUIRED PRIOR TO INSTALLATION OF USED FIXTURES, CLEAN AND TOUCH UP FINISHES OF FIXTURES AS REQUIRED.
2. REMOVE ALL CEILING TILE AND GRID, TYP. RETAIN ALL SUPPLY AIR & RETURN AIR DIFFUSERS & GRILLES FOR RE-USE.
3. REMOVE AND RETAIN FOR RE-USE - TOILET, SINK, SOAP AND TOWEL DISPENSER, GRAB BARS, ETC. PROTECT FROM DAMAGE & RETURN TO BUILDING OWNER FOR RE-USE.
4. REMOVE ALL EXISTING FLOOR FINISHES INCLUDING WALL BASE, UNLESS NOTED AS "EXISTING TO REMAIN" IN FINISH SCHEDULE. BE SURE TO REMOVE ALL ADHESIVE, ETC. PATCH & REPAIR FLOOR AND WALLS AS REQUIRED BEFORE INSTALLING NEW FINISHES.
5. REMOVE AND RETAIN FOR RE-USE - ALL INTERIOR DOORS AND FRAMES, TYP.
6. SCAN FLOOR BEFORE SAW CUTTING TO ENSURE NO LINES, CONDUIT OR ANYTHING IS CUT.
7. ANY CUTTING, LOUD OR DISTURBING DEMOLITION WORK TO BE COORDINATED / SCHEDULED WITH HOSPITAL PRIOR TO BEGINNING.

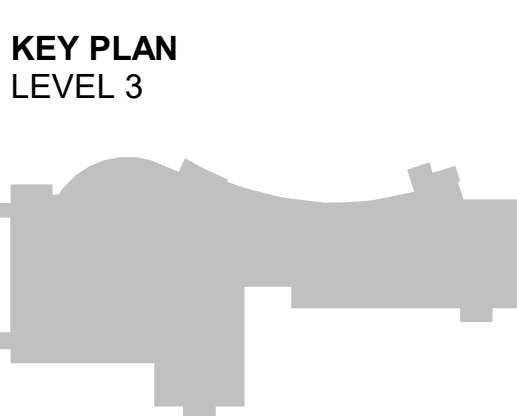
REFERENCE NOTES

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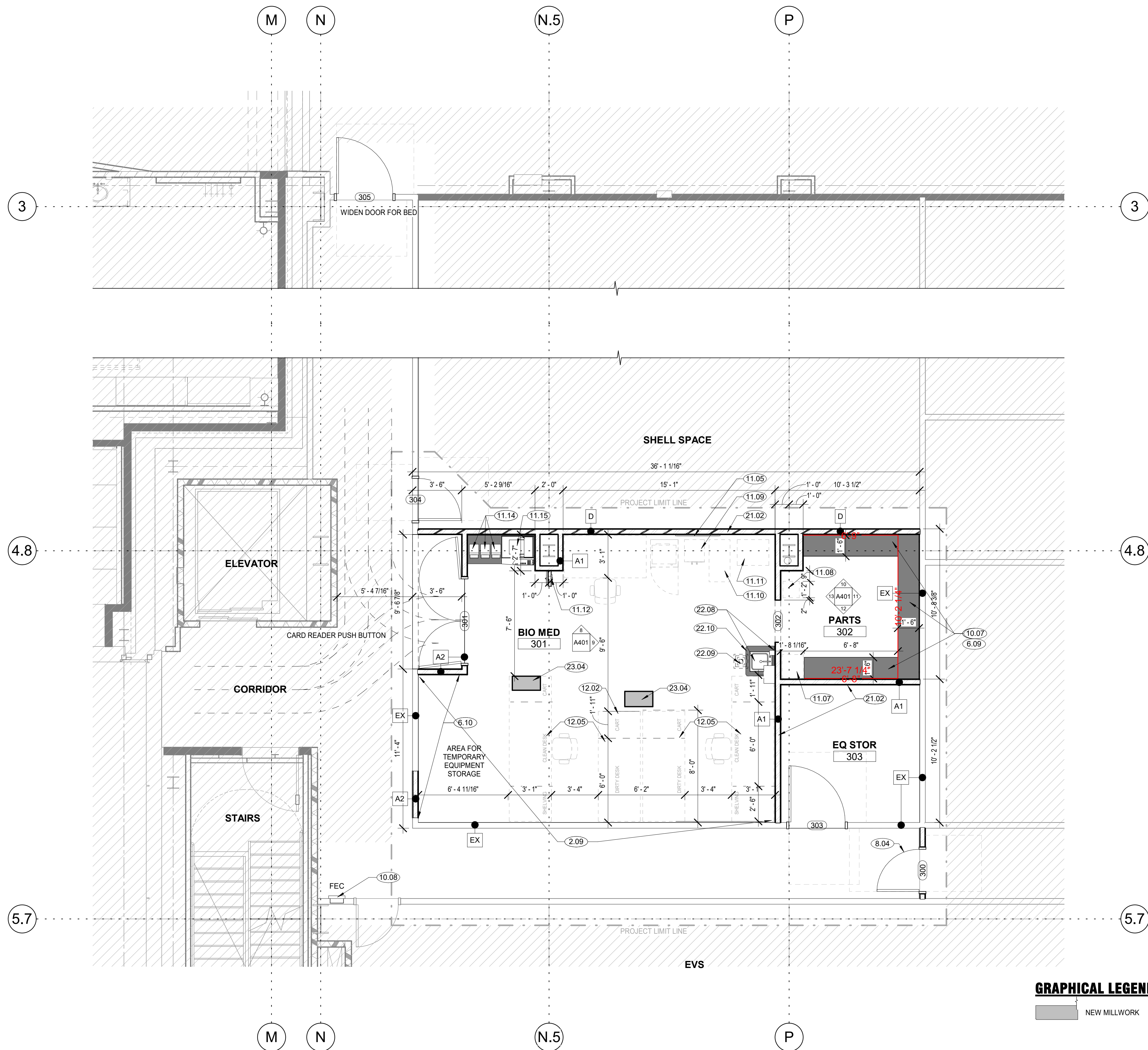
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ORIG SUBMISSION: 08/24/18
 CURRENT:

SHEET TITLE AND NUMBER:
AD103
 LEVEL 3 DEMOLITION PLAN

THE LINE SHOWN ABOVE IS EXACTLY
WHERE THE WALLS ARE LOCATED
ON THIS SCALE



- REFERENCE NOTES**
- 2.09 BLACK OUT STENCIL ON WALLS ABOVE CEILING CALLING FOR WALL TO BE FIRE RATED.
 - 6.09 BUILD 6" SHELF 18" WIDE AROUND ROOM. WRAP SHEET VINYL FLOORING UP AND OVER SHELF.
 - 6.10 PROVIDE FIRE RETARDANT TREATED PLYWOOD BEHIND GYPSUM BOARD.
 - 8.04 RELOCATE EXISTING FLUSH WOOD DOOR.
 - 10.07 HEAVY DUTY KV BRACKETS WITH 14" BRACKETS AND 18" SHELVES.
 - 10.08 NEW SEMI-RECESSED ROLLED EDGE FIRE EXTINGUISHER CABINET WITH 5 LB 2BC RATED EXTINGUISHER.
 - 11.05 OWNER PROVIDED MONITOR / T.V. CONTRACTOR TO PROVIDE BACKING IN WALL AND COORDINATE ELECTRICAL POWER AND DATA.
 - 11.07 OWNER PROVIDED / INSTALLED "PART MASTER CABINET" 18" WIDE X 20" DEEP.
 - 11.08 OWNER PROVIDED / INSTALLED "VICE" 14" X 14".
 - 11.09 OWNER PROVIDED / INSTALLED FLAMMABLE CABINET 17" X 19".
 - 11.10 OWNER PROVIDED / INSTALLED WEIGHT SET. 18" WIDE X 36" DEEP.
 - 11.11 OWNER PROVIDED / INSTALLED CRAFTSMAN TOOL CHEST. 27" WIDE X 22" DEEP.
 - 11.12 OWNER PROVIDED / CONTRACTOR INSTALLED ELECTRICAL EXTENSION CORD REEL, RELOCATED FROM EXISTING SPACE. SEE ELECTRICAL PLANS FOR POWER.
 - 11.14 OWNER PROVIDED / INSTALLED RELOCATED ZEBRA LABEL PRINTER. SEE ELECTRICAL PLANS FOR POWER.
 - 11.15 OWNER PROVIDED / INSTALLED RELOCATED MULTI-FUNCTION COUNTER-TOP PRINTER/SCANIFAX. SEE ELECTRICAL PLANS FOR POWER AND DATA.
 - 12.02 WORK STATIONS.
 - 12.05 OWNER PROVIDED RELOCATED EXISTING DESK, SHELVING UNIT AND CARTS. COORDINATE ELECTRICAL AND DATA LOCATIONS.
 - 21.02 NEW 1-HOUR PARTITION.
 - 22.08 NEW SINK AND EYE WASH UNIT.
 - 22.09 NEW FLOOR SINK. SEE PLUMBING PLANS.
 - 22.10 NEW REVERSE OSMOSIS UNIT WITHIN CABINET UNDER SINK.
 - 23.04 MED GAS HOSE REELS FROM CEILING, SEE REFLECTED CEILING PLAN AND MED GAS PLANS.

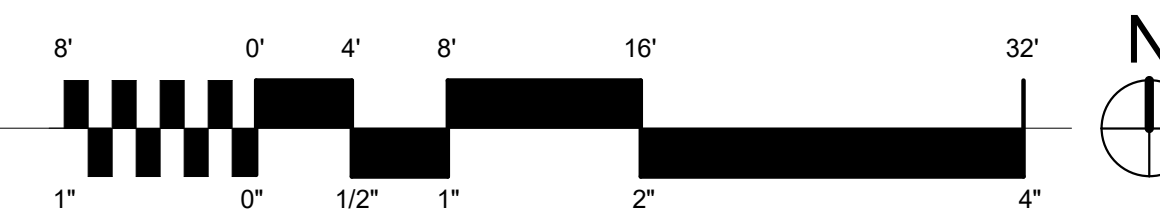
GRAPHICAL LEGEND

NEW MILLWORK

WALL LEGEND

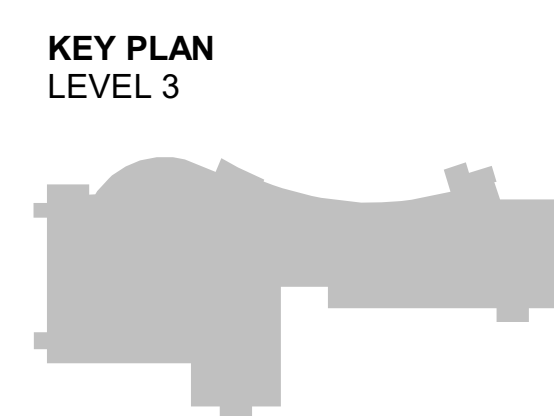
- 2-HR FIRE BARRIER, UL 419. SEE DETAIL 7/A510 AND G001 CODE DIAGRAMS
- 1-HR FIRE BARRIER, UL 419. SEE DETAIL 8/A510 AND G001 CODE DIAGRAMS
- SMOKE PARTITION, NON-RATED BUT SMOKE SEALED
- A ● 3-5/8" METAL STUD WITH 5/8" GYPSUM BOARD ON EACH FINISHED SIDE. A-1 WALL TO EXTEND 6" ABOVE FINISHED CEILING. A-2 WALL TO EXTEND TO DECK. SEE DETAILS 5 & 6 / A510.
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- E ● 3-5/8" METAL STUD WITH (2) LAYERS OF 5/8" GYPSUM BOARD EACH SIDE. 2 HR FIRE BARRIER. UL 419. SEE DETAIL 8/A510.
- EX ● EXISTING WALL TO REMAIN, SEE G001 CODE DIAGRAMS TO SEE IF WALL NEEDS RATING MODIFICATIONS

1 LEVEL 3 PLAN
A103 scale: 1/4" = 1'-0"



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A103
LEVEL 3 PLAN

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CEILING PLAN GENERAL NOTES

1. PLACE FIRE SPRINKLER HEADS IN CENTER OF CEILING PANELS, TYPICAL. FIRE SPRINKLER DESIGN BUILD.
2. ALL CEILINGS SHALL BE 9'-0" A.F.F. UNLESS OTHERWISE NOTED. (IF ADDITIONAL HEIGHT IS POSSIBLE, CONTRACTOR SHALL MAXIMIZE CEILING HEIGHT THROUGHOUT) VERIFY W/ ARCHITECT ANY AREAS WHERE POSSIBLE.

REFERENCE NOTES

- 6.14 DASHED LINES REPRESENT MILLWORK FASCIA PANELS ON UPPER OR FULL HEIGHT CABINETS. CEILING TO GO OVER THE TOP.
- 9.17 TIE INTO AND EXTEND EXISTING CEILING GRID.
- 10.13 CUBICLE CURTAIN, ON THE RIGHT TRACK - CEILING MOUNTED TRACK - COORDINATE CONNECTION TO GRID WITH MECHANICAL AND ELECTRICAL DEVICES AS REQUIRED. FABRIC TO MATCH EXISTING, MINI SQUARES BEIGE WITH WHITE MESH TOP.
- 11.19 OWNER PROVIDED / VENDOR INSTALLED BAYER MEDRAD INJECTOR. G.C. TO PROVIDE STRUCTURAL ATTACHMENT, SEE STRUCTURAL PLANS.
- 11.20 OWNER PROVIDED / VENDOR INSTALLED GE OVERHEAD BOOM FOR MONITOR MOUNT. G.C. TO PROVIDE STRUCTURAL ATTACHMENT, SEE STRUCTURAL.
- 13.01 NEW LEAD LINING AROUND CT SCAN ROOM. SEE PHYSICIST REPORT FOR LEAD REQUIREMENTS. REPLACE EXISTING GYPSUM BOARD. NOTE THAT LEAD LINING TO EXTEND ALL THE WAY TO DECK. SEE SECTION 5/A511.

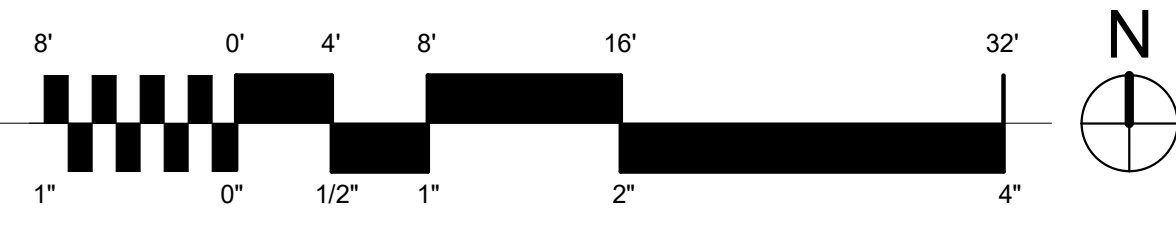
CEILING TYPE LEGEND

- 2' x 4' ACT LAY IN GRID CEILING - ARMSTRONG ULTIMA: HIGH NRC 1940 - WHITE
GRID: ARMSTRONG PRELUDE XL 15/16" WHITE
- 2' x 4' ACT LAY IN GRID CEILING - ARMSTRONG ULTIMA HEALTH ZONE: SQUARE LAY-IN 15/16" 1935 - WHITE
GRID: ARMSTRONG PRELUDE XL 15/16" WHITE
- 2' x 2' ACT LAY IN GRID CEILING - ARMSTRONG OPTIMA SQUARE LAY-IN: 3152 WHITE
GRID: ARMSTRONG PRELUDE XL 15/16" WHITE

CEILING FIXTURE LEGEND

- 2' x 4' LED LIGHT FIXTURE SHALL MATCH BUILDING STANDARD, SEE ELECTRICAL
- 2' x 2' LED LIGHT FIXTURE SHALL MATCH BUILDING STANDARD, SEE ELECTRICAL
- RECESSED CAN LIGHT, SEE ELECTRICAL
- WALL MOUNTED SCONCE
- 1' x 4' LED LIGHT FIXTURE SHALL MATCH BUILDING STANDARD, SEE ELECTRICAL

1 2ND CT - LEVEL 1 RCP
 A111 scale: 1/4" = 1'-0"

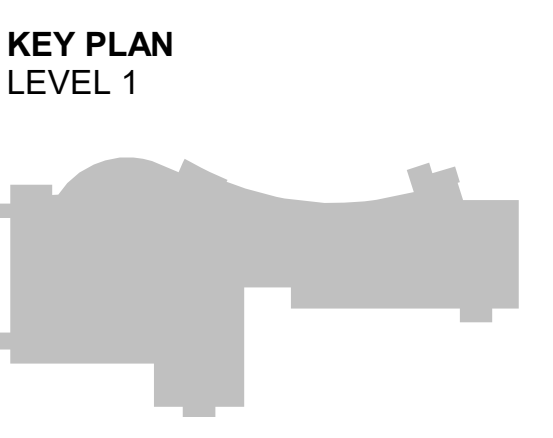


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A111
 LEVEL 1 REFLECTED CEILING PLAN

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CEILING PLAN GENERAL NOTES

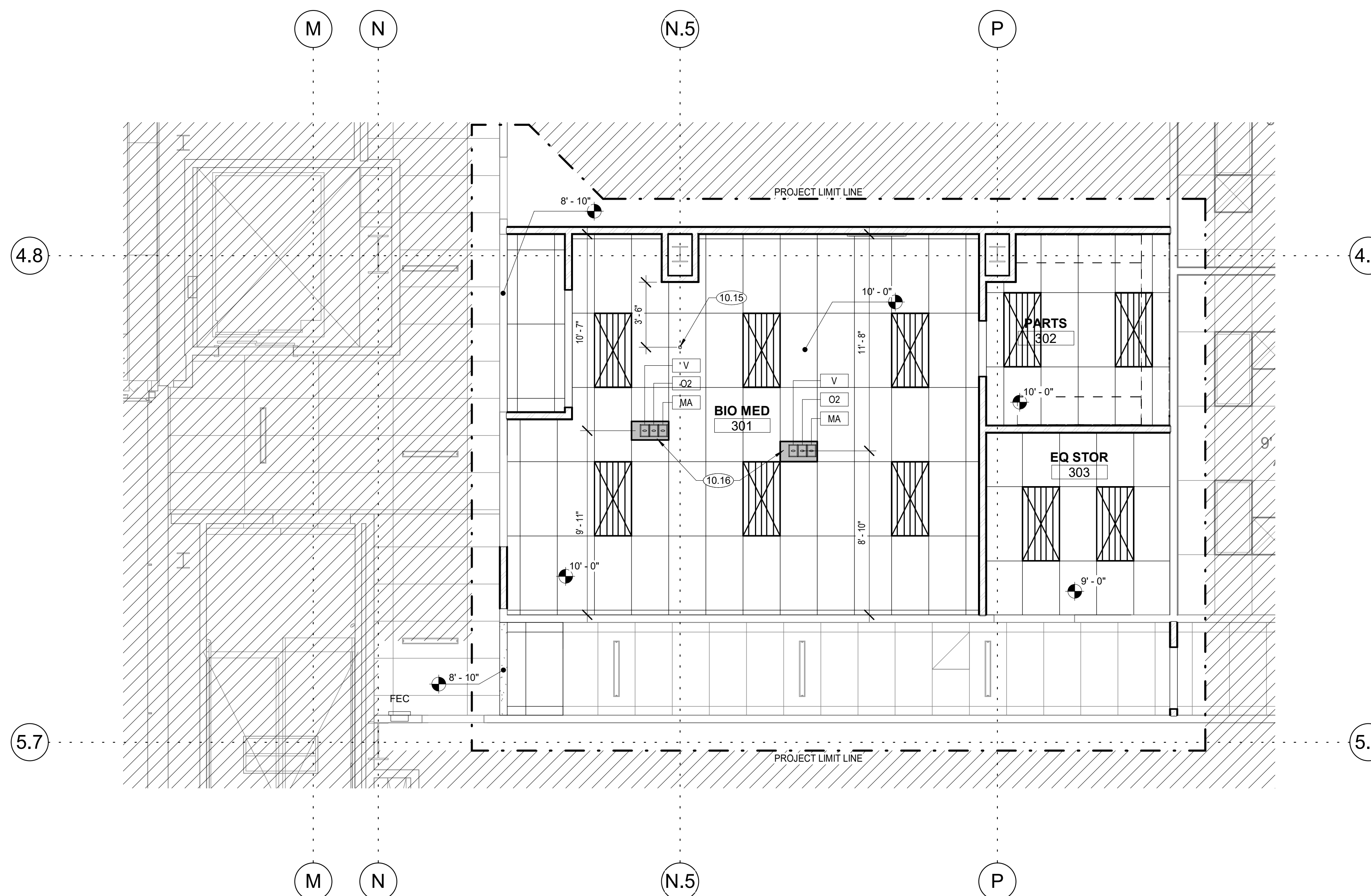
1. PLACE FIRE SPRINKLER HEADS IN CENTER OF CEILING PANELS, TYPICAL. FIRE SPRINKLER DESIGN BUILD.
2. ALL CEILINGS SHALL BE 9'-0" A.F.F. UNLESS OTHERWISE NOTED. (IF ADDITIONAL HEIGHT IS POSSIBLE, CONTRACTOR SHALL MAXIMIZE CEILING HEIGHT THROUGHOUT) VERIFY W/ ARCHITECT ANY AREAS WHERE POSSIBLE.

REFERENCE NOTES

- 10.15 OWNER PROVIDED (RELOCATED FROM EXISTING 1ST FLOOR ROOM) CONTRACTOR INSTALLED, EQUIPMENT LIFT. SEE STRUCTURAL PLANS FOR CLAMP TO BEAM.
- 10.16 STAINLESS STEEL PLATE, TIED INTO CEILING GRID FOR TRIM ON MED GAS CONNECTIONS.

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CEILING TYPE LEGEND

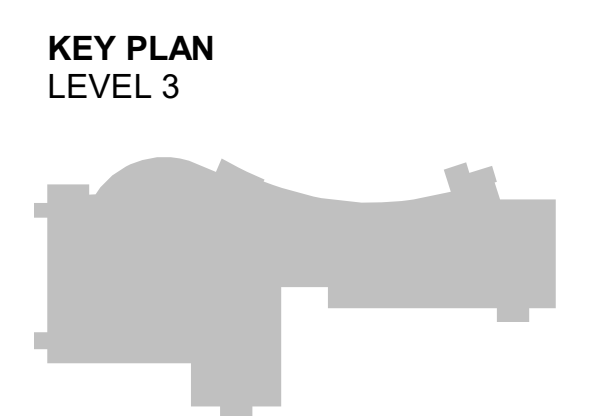
- 2' x 4' ACT LAY IN GRID CEILING - ARMSTRONG ULTIMA - HIGH NRC 1940 - WHITE
 GRID: ARMSTRONG PRELUDE XL 15/16" WHITE
- 2' x 4' ACT LAY IN GRID CEILING - ARMSTRONG ULTIMA HEALTH ZONE: SQUARE LAY-IN 15/16" 1935 - WHITE
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- 2' x 2' ACT LAY IN GRID CEILING - ARMSTRONG OPTIMA SQUARE LAY-IN: 3152 WHITE
 GRID: ARMSTRONG PRELUDE XL 15/16" WHITE

CEILING FIXTURE LEGEND

- 2' x 4' LED LIGHT FIXTURE SHALL MATCH BUILDING STANDARD, SEE ELECTRICAL
- 2' x 2' LED LIGHT FIXTURE SHALL MATCH BUILDING STANDARD, SEE ELECTRICAL
- RECESSED CAN LIGHT, SEE ELECTRICAL
- WALL MOUNTED SCONCE
- 1' x 4' LED LIGHT FIXTURE SHALL MATCH BUILDING STANDARD, SEE ELECTRICAL

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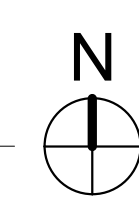
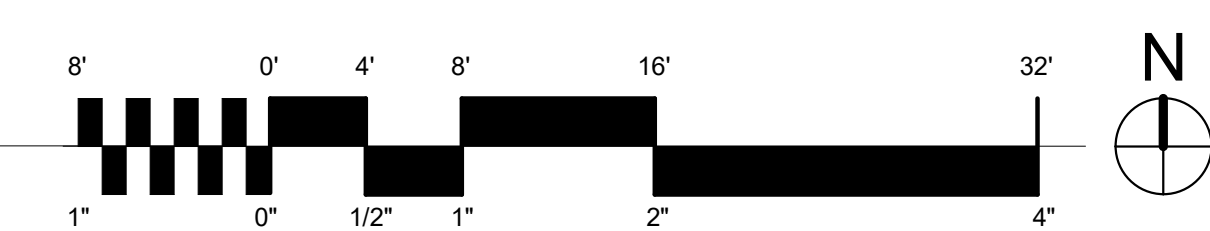
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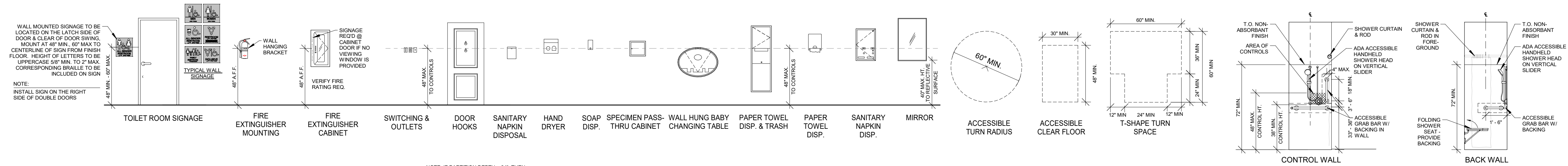
SHEET TITLE AND NUMBER:
A113
 LEVEL 3 REFLECTED CEILING PLAN

1 LEVEL 3
 A113 scale: 1/4" = 1'-0"



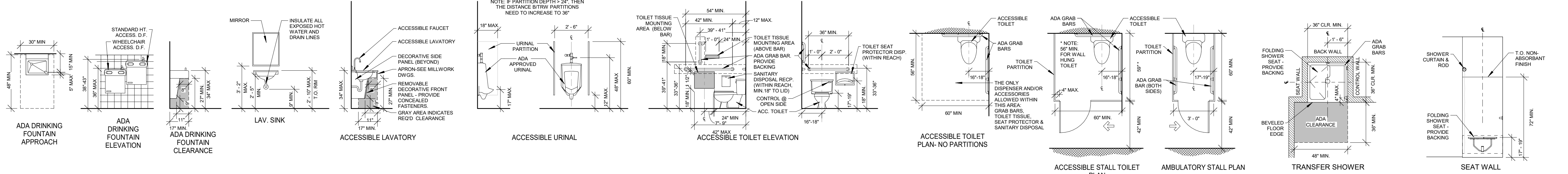
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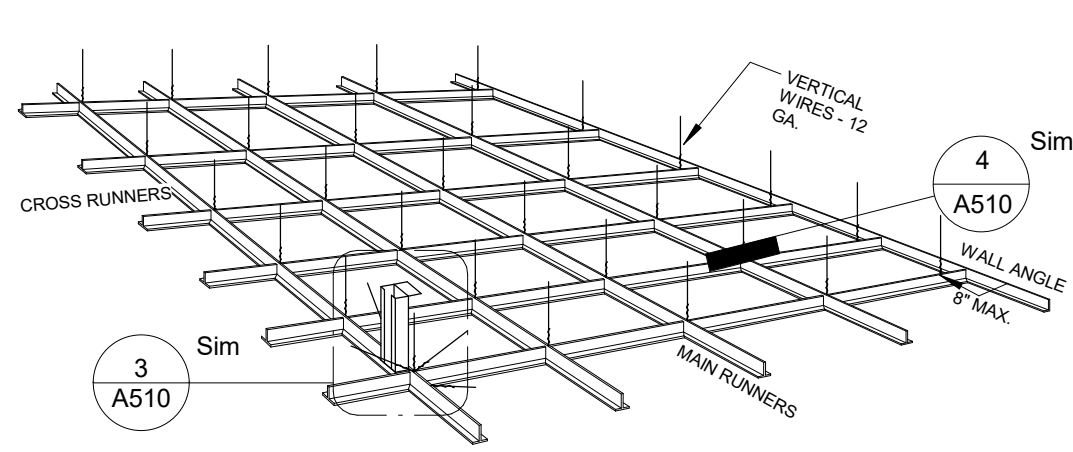
1 STANDARD MOUNTING HEIGHTS

A510 scale: 1/4" = 1'-0"



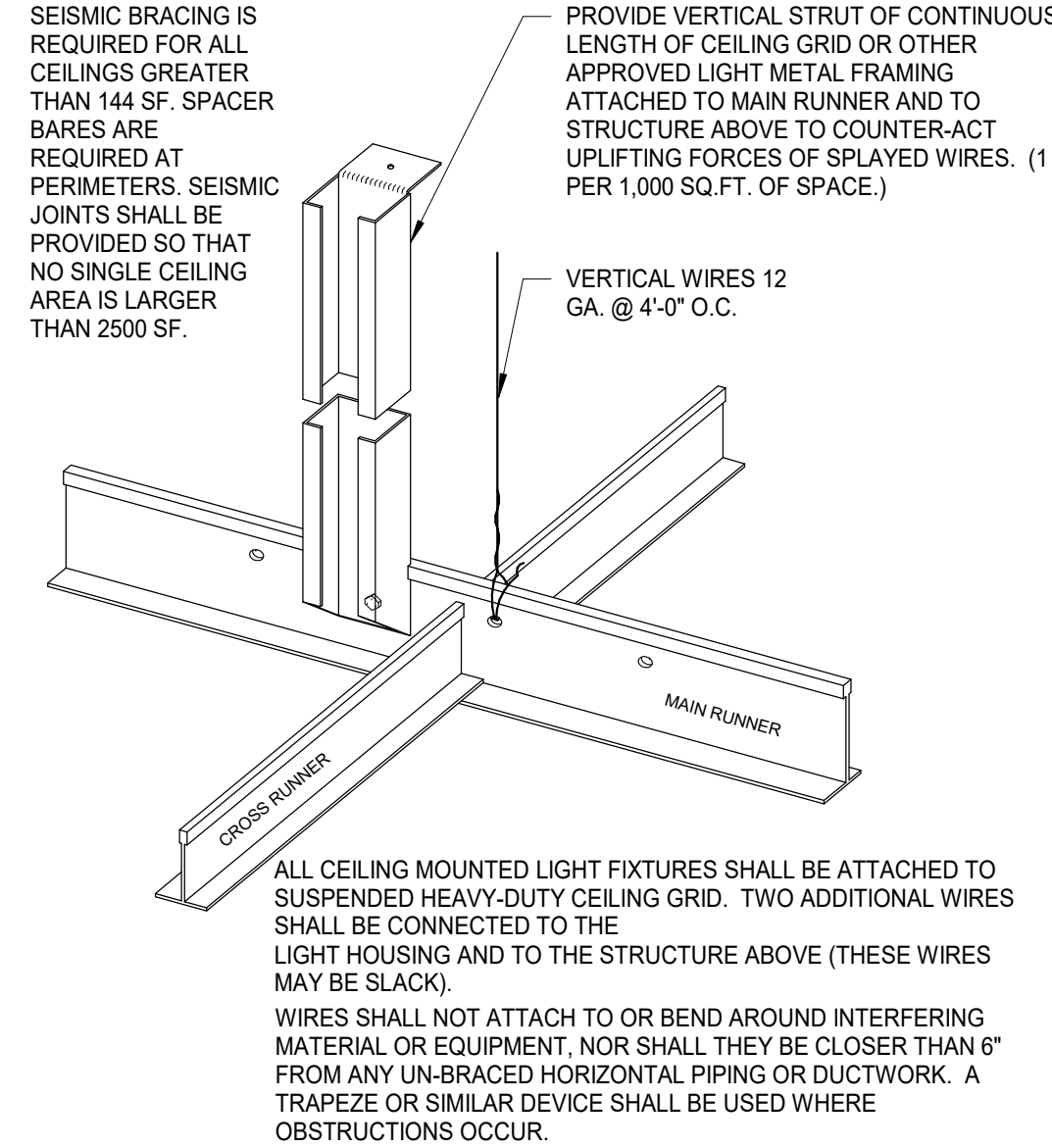
GYPSUM BOARD GENERAL NOTE

CONTRACTOR SHALL INSTALL GYPSUM BOARD FOLLOWING ALL ASTM C 840 & MANUFACTURER REQUIREMENTS. IF CONFLICTS ARISE, FOLLOW THE MOST RESTRICTIVE. PROVIDE LEVEL 4 FINISH FOR ALL SURFACES THAT WILL BE EXPOSED TO VIEW & LEVEL 1 FINISH IN CEILING PLENUMS AND CONCEALED AREAS NOT TO BE EXPOSED TO PUBLIC VIEW. COORDINATE LOCATION OF EXPANSION/CONTROL JOINTS W/ ARCHITECT WHERE SURFACES EXCEED ASTM C 840 OR MANUFACTURER'S LIMITS.



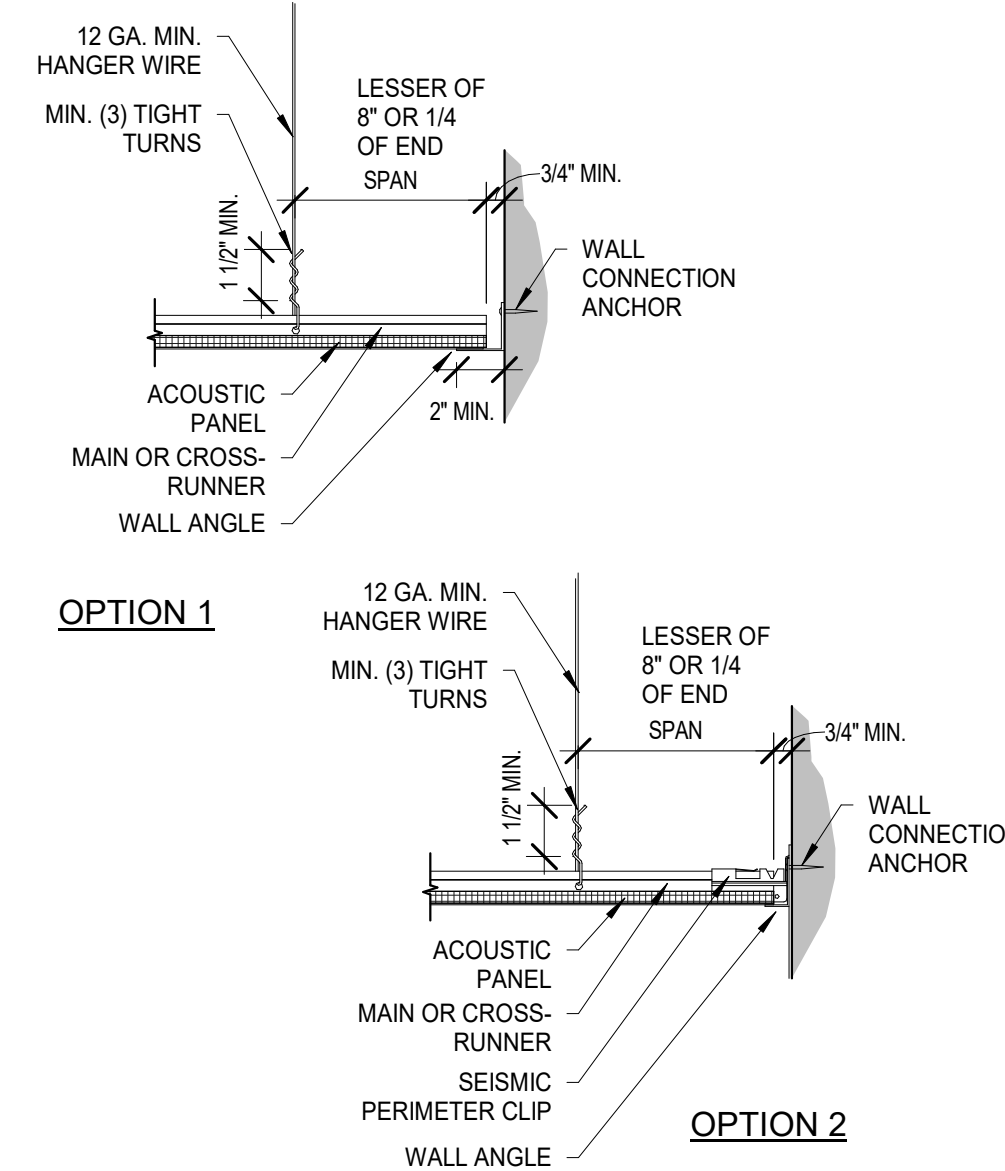
CEILING AREAS OF 1,000 SQ. FT. OR LESS SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE SHALL NOT REQUIRE THE DIAGONAL BRACING WIRES. EACH VERTICAL WIRE SHALL BE ATTACHED EACH END WITH MIN. 3 TURNS. CEILING GRID SHALL BE INSTALLED LEVEL TO WITHIN 1/8" IN 12 FEET. LOCAL KINKS OR BENDS SHALL NOT BE MADE IN HANGER WIRES AS A MEANS OF LEVELING MAIN RUNNERS. ALL WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT.

- NOTES:
- 3/8" DIAMETER KWIK BOLT II (BY HILTI) 2-1/2" EMBEDMENT FOR WIRES (SHALLOW ANCHOR).
 - INSTALL SUSPENDED GRID SYSTEM IN ACCORDANCE TO CISCA 3-4.
 - USE A HEAVY DUTY T-BAR GRID SYSTEM.
 - VERIFY W/ BLDG. OWNER WHETHER POWDER ACTUATED FASTENERS ARE ALLOWED.
 - PERIMETER SUPPORTING CLOSURE ANGLE TO BE 2" AND ATTACHED AT ONE END WITH THE OTHER END FREE TO SLIDE. MAINTAIN 3/4" CLEARANCE FROM WALL WHERE REQUIRED OR USE ARMSTRONG BERG CLIPS WITH A 1" CLOSURE ANGLE.



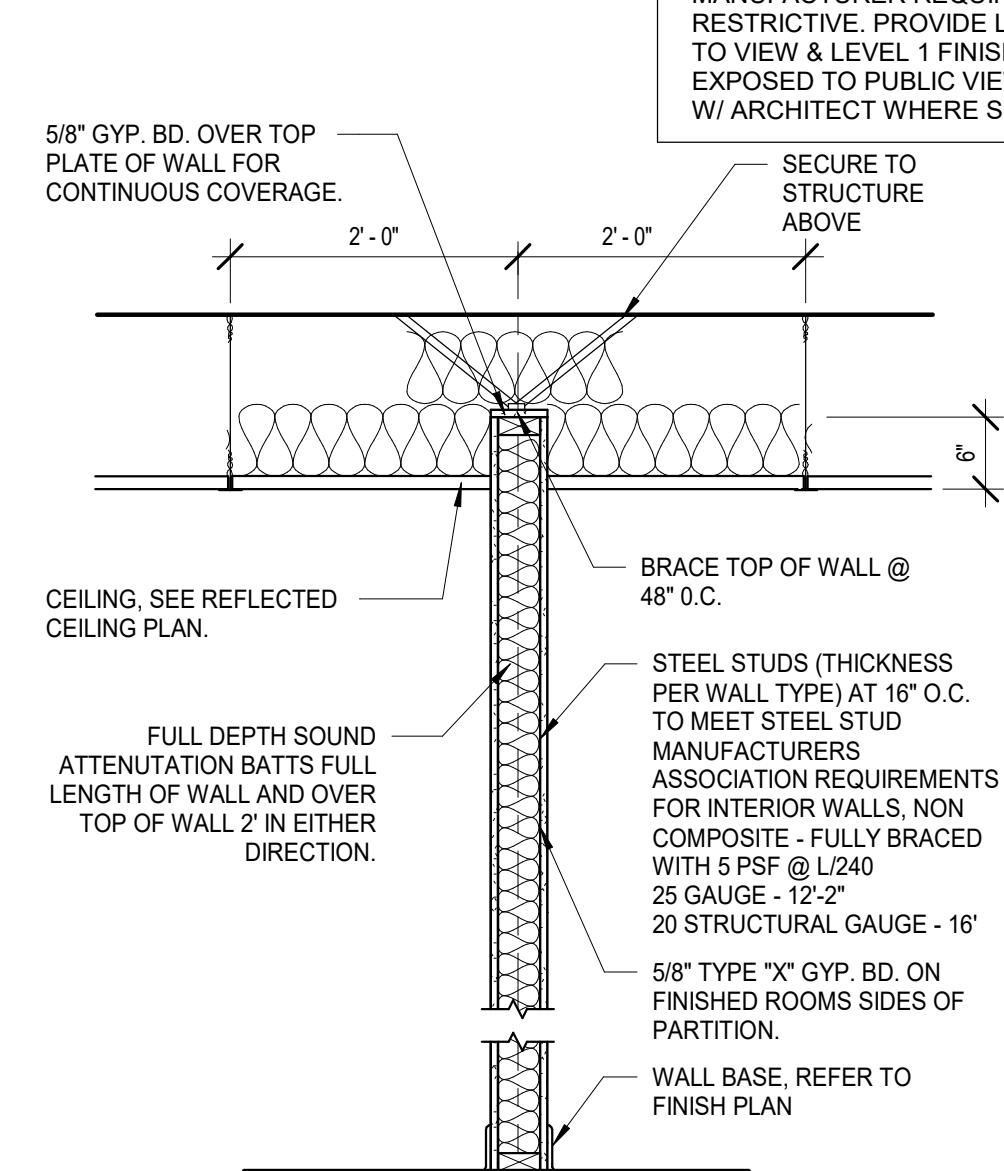
SEISMIC BRACING IS REQUIRED FOR ALL CEILINGS GREATER THAN 144 SF. SPACER BARS ARE REQUIRED AT PERIMETERS. SEISMIC JOINTS SHALL BE PROVIDED SO THAT NO SINGLE CEILING AREA IS LARGER THAN 2500 SF. PROVIDE VERTICAL STRUT OF CONTINUOUS LENGTH OF CEILING GRID OR OTHER APPROVED LIGHT METAL FRAMING ATTACHED TO MAIN RUNNER AND TO STRUCTURE ABOVE TO COUNTER-ACT UPLIFTING FORCES OF SPAYED WIRES. (1 PER 1,000 SQ.FT. OF SPACE.)

ALL CEILING MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO SUSPENDED HEAVY-DUTY CEILING GRID. TWO ADDITIONAL WIRES SHALL BE CONNECTED TO THE LIGHT HOUSING AND TO THE STRUCTURE ABOVE (THESE WIRES MAY BE SLACK). WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT, NOR SHALL THEY BE CLOSER THAN 6" FROM ANY UN-BRACED HORIZONTAL PIPING OR DUCTWORK. A TRAPEZOID OR SIMILAR DEVICE SHALL BE USED WHERE OBSTRUCTIONS OCCUR.



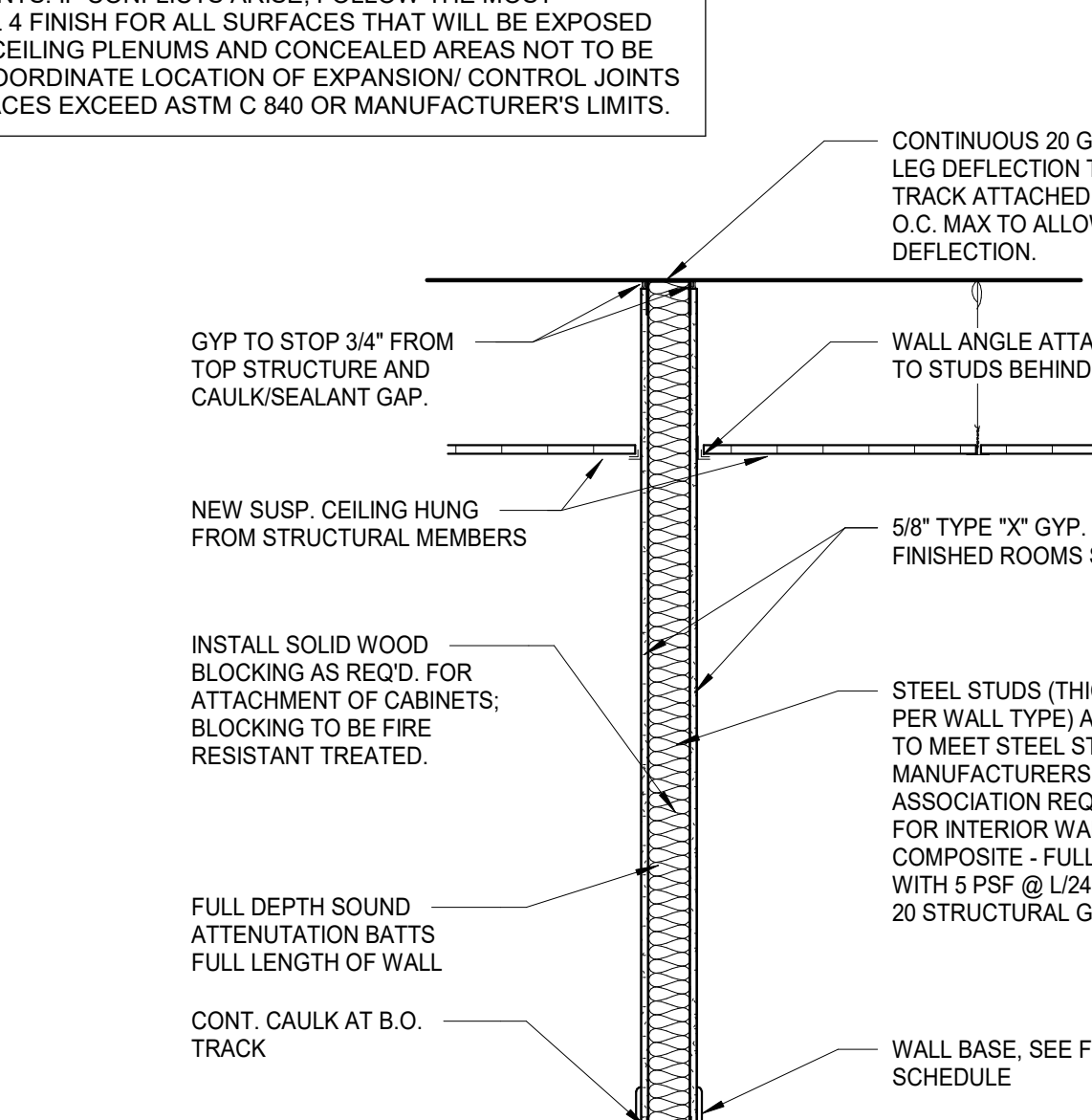
4 CEILING SEISMIC EDGE DETAIL

A510 scale: 1 1/2" = 1'-0"



5 SOUND CONTROL WALL SECTION

A510 scale: 3/4" = 1'-0"



6 DEMISING WALL SECTION

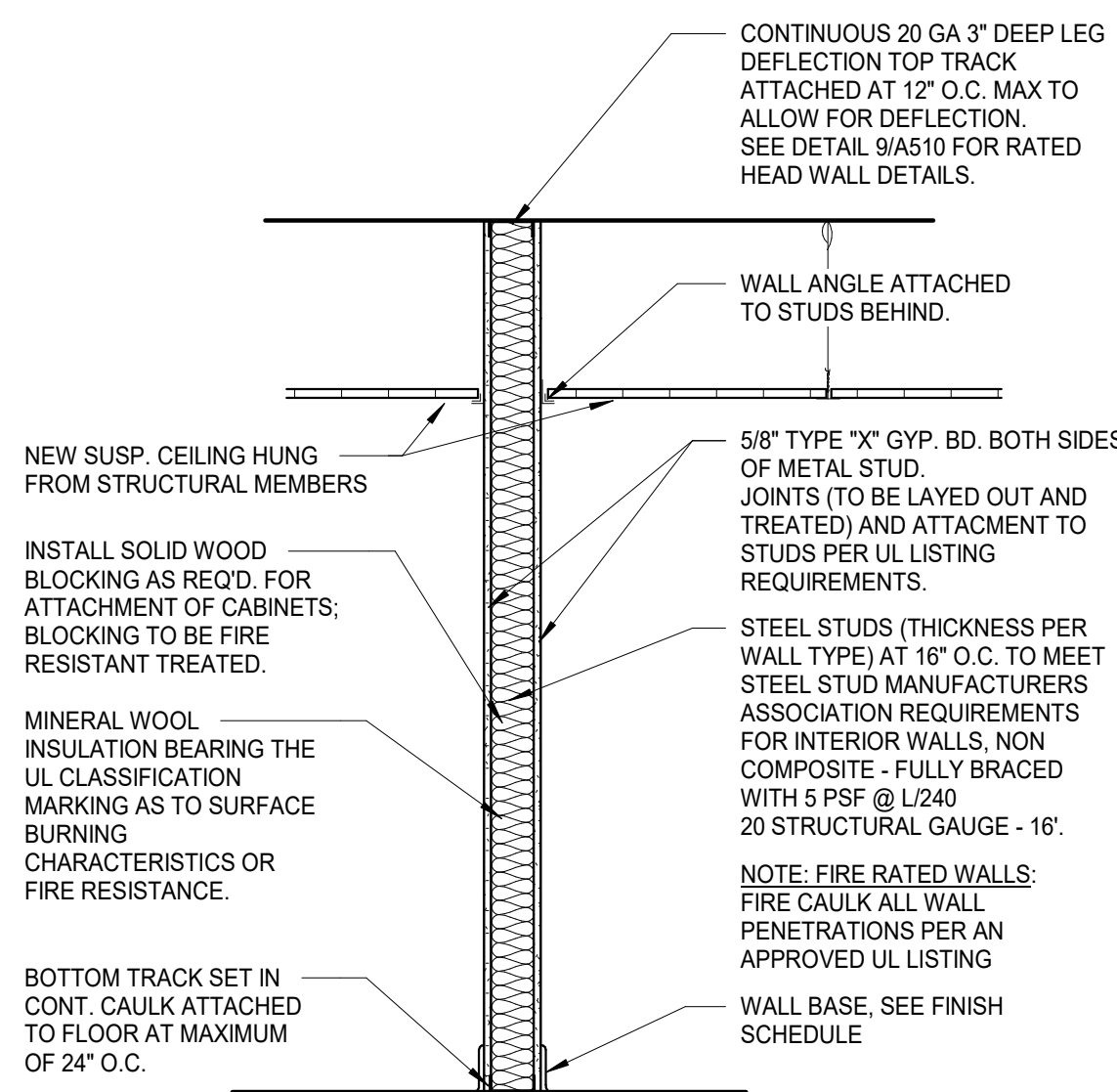
A510 scale: 3/4" = 1'-0"

2 SUSPENDED CEILING DETAIL 1

A510 scale: 1" = 1'-0"

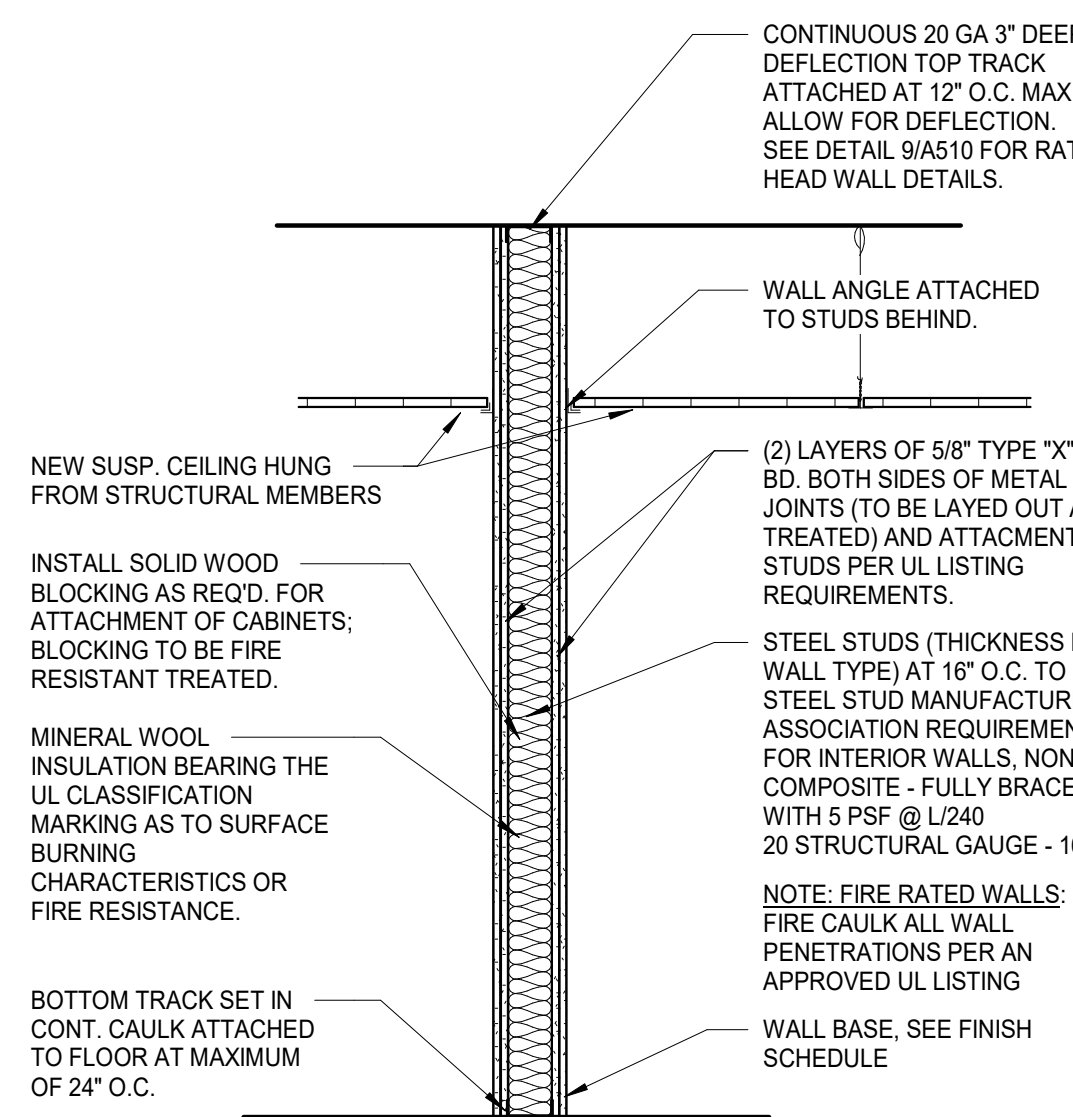
3 SEISMIC BRACING

A510 scale: 1" = 1'-0"



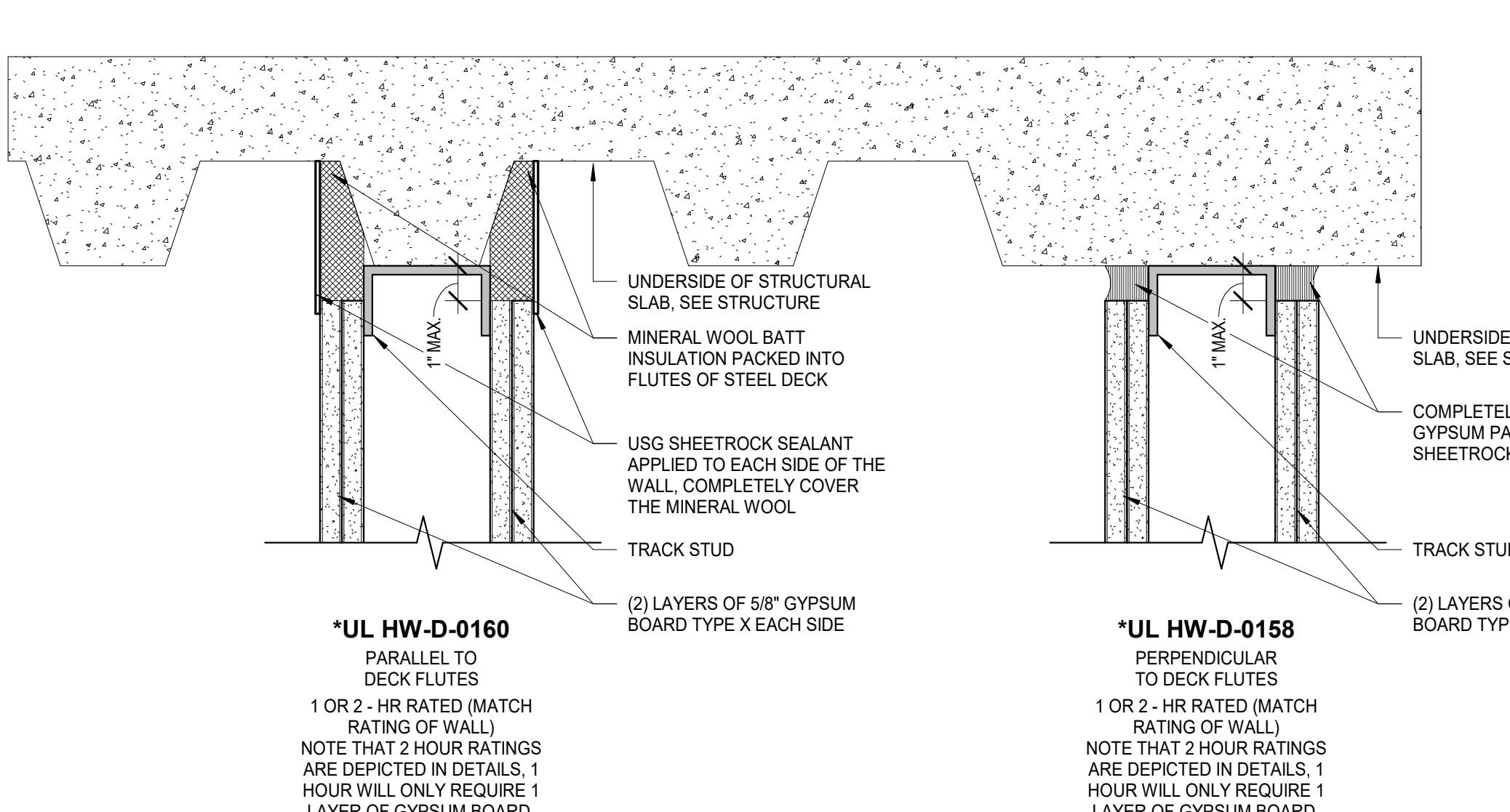
7 UL U419 - 1 HOUR

A510 scale: 3/4" = 1'-0"



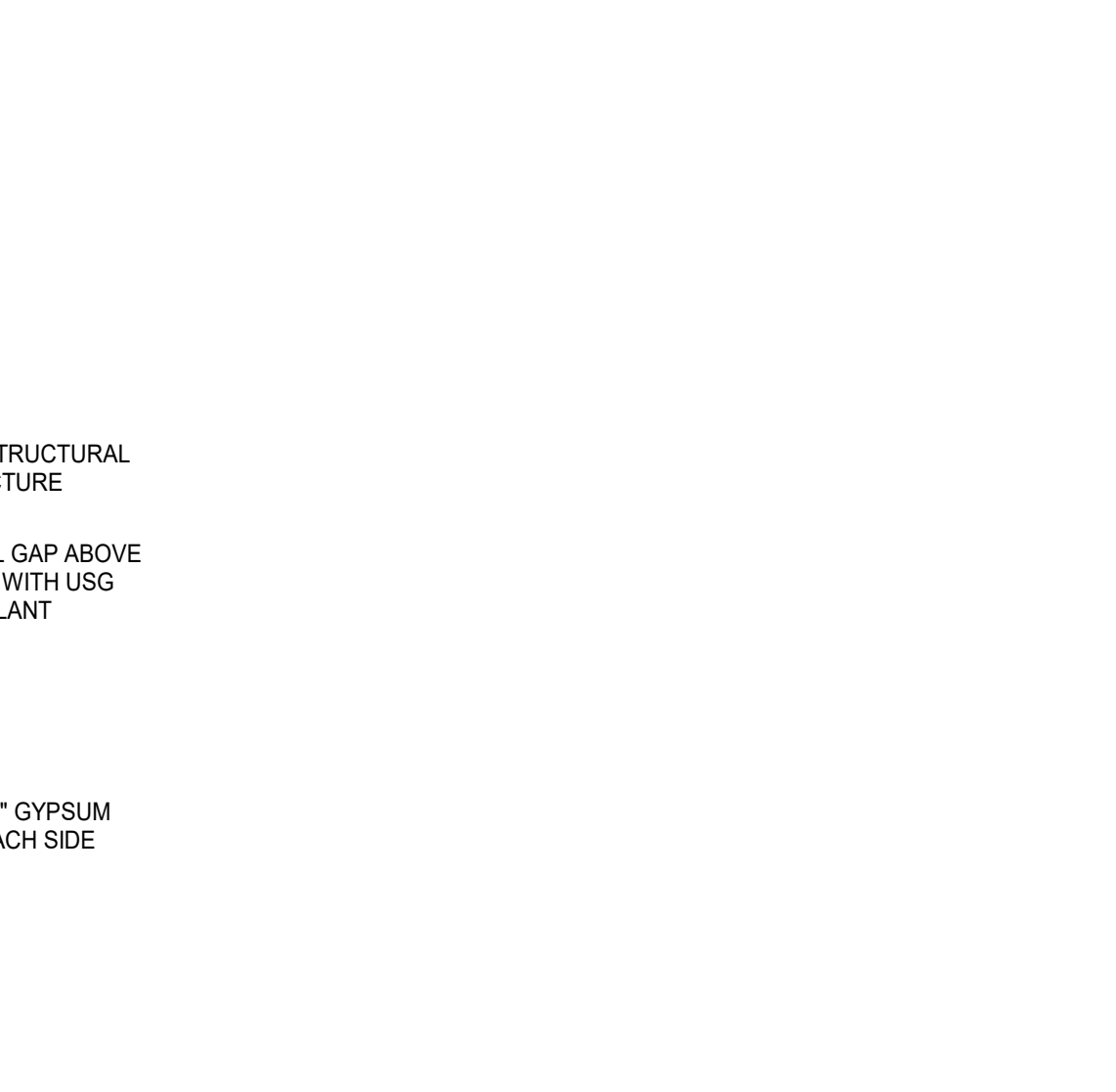
8 UL U419 - 2 HOUR

A510 scale: 3/4" = 1'-0"



9 RATED HEAD WALL DETAILS

A510 scale: 3" = 1'-0"

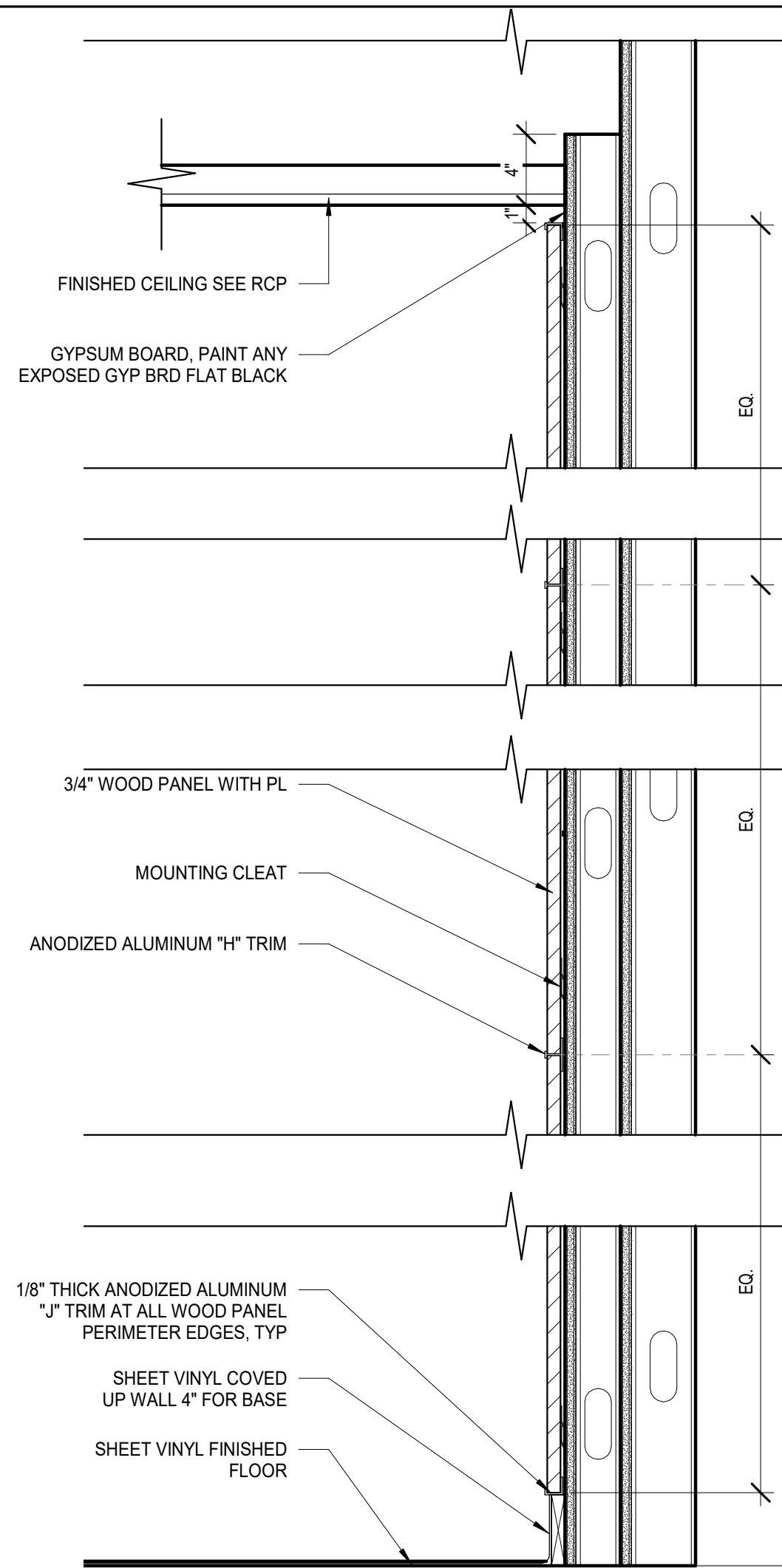


10 UL U419 - 1 HOUR

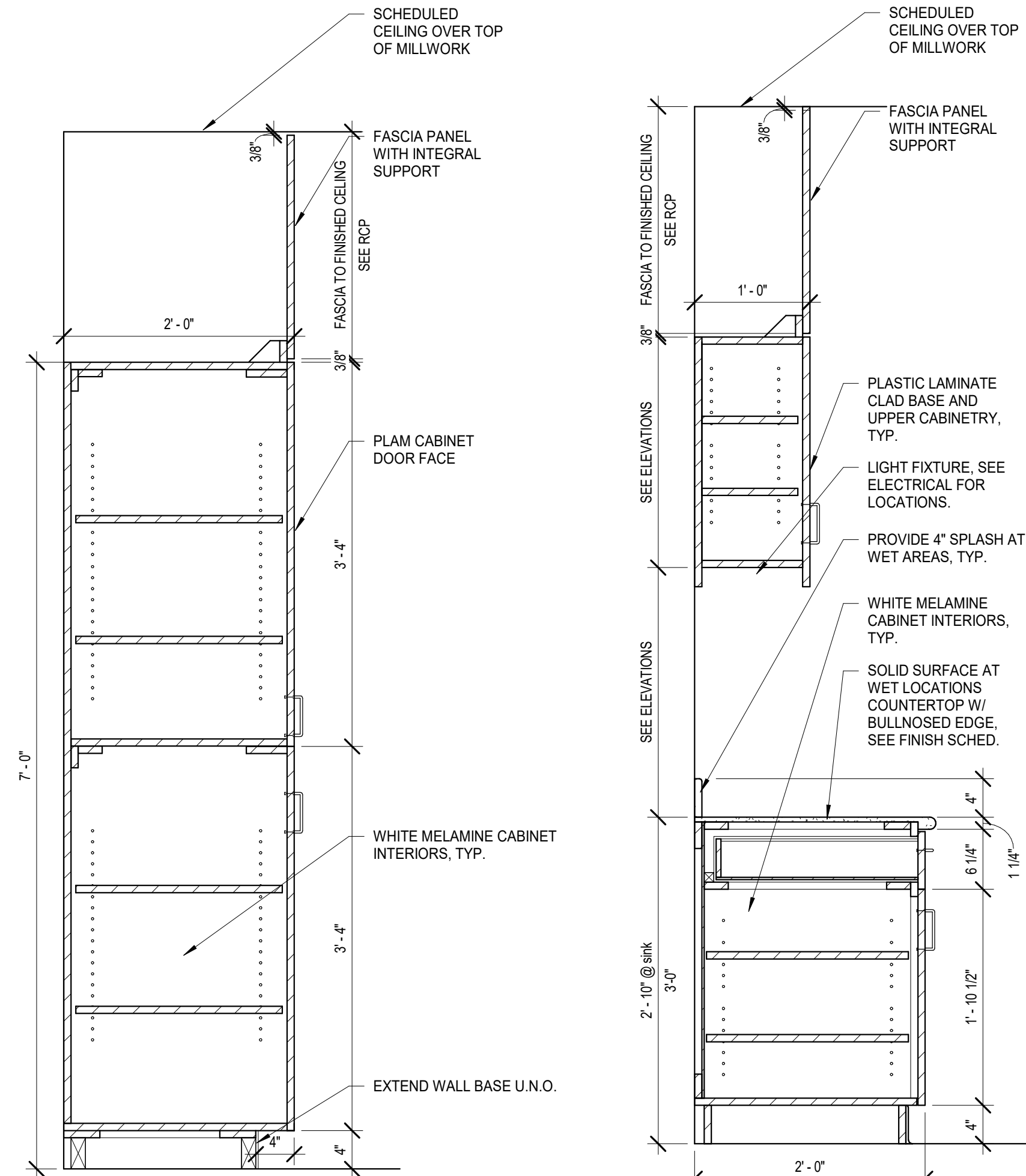
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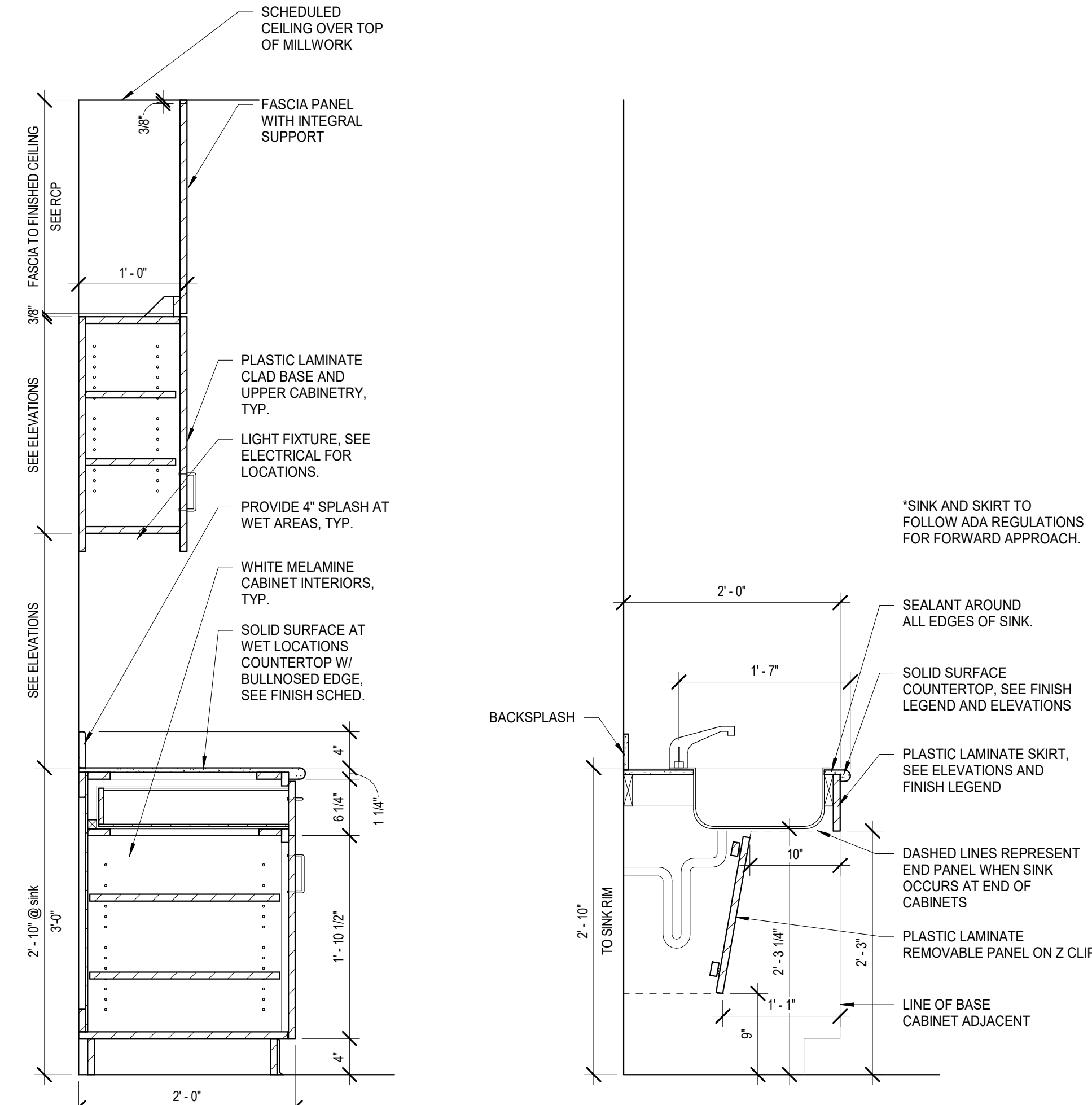
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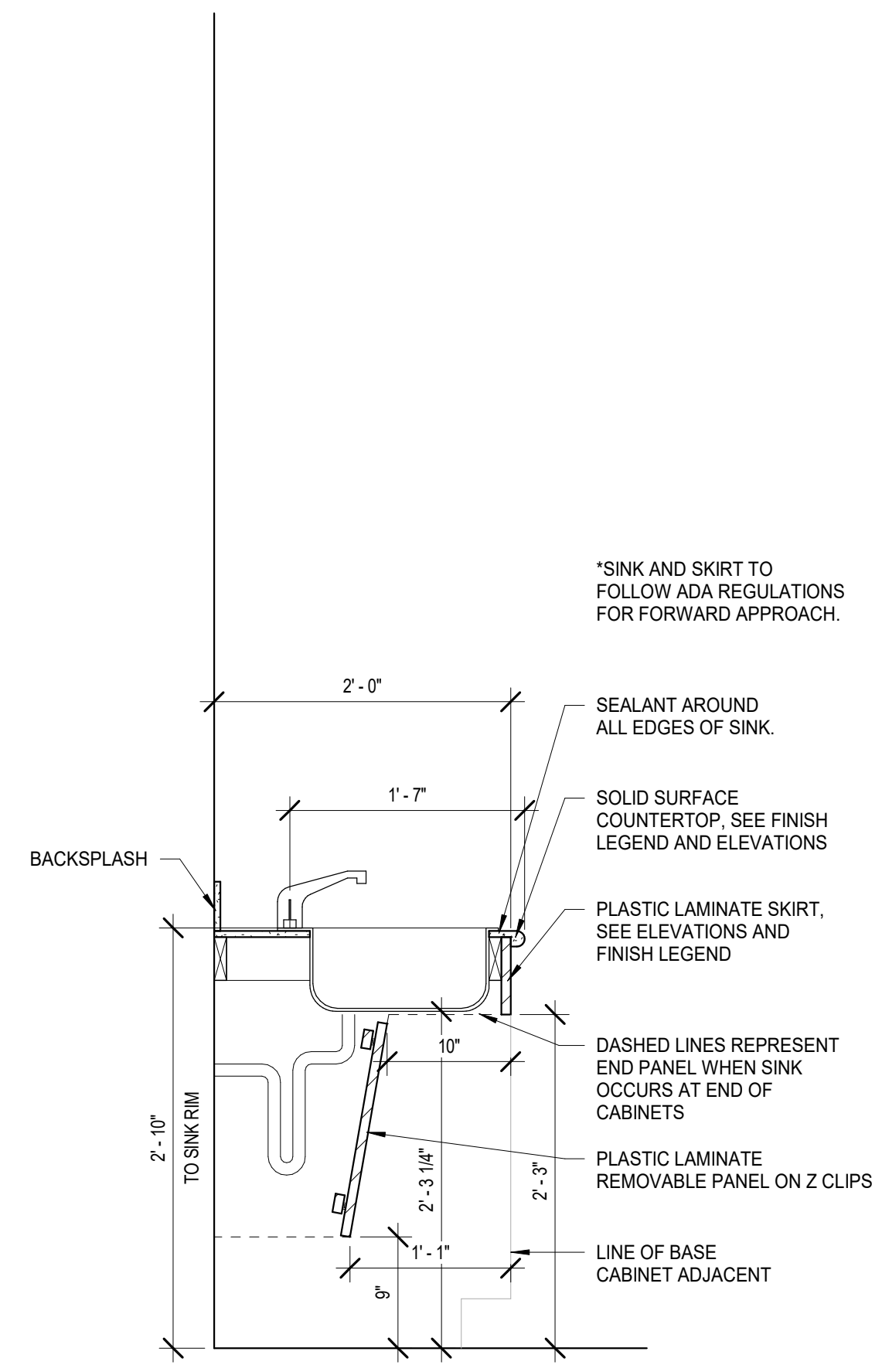
1 SEDATION HEAD WALL DETAIL
 A511 scale: 1 1/2" = 1'-0"



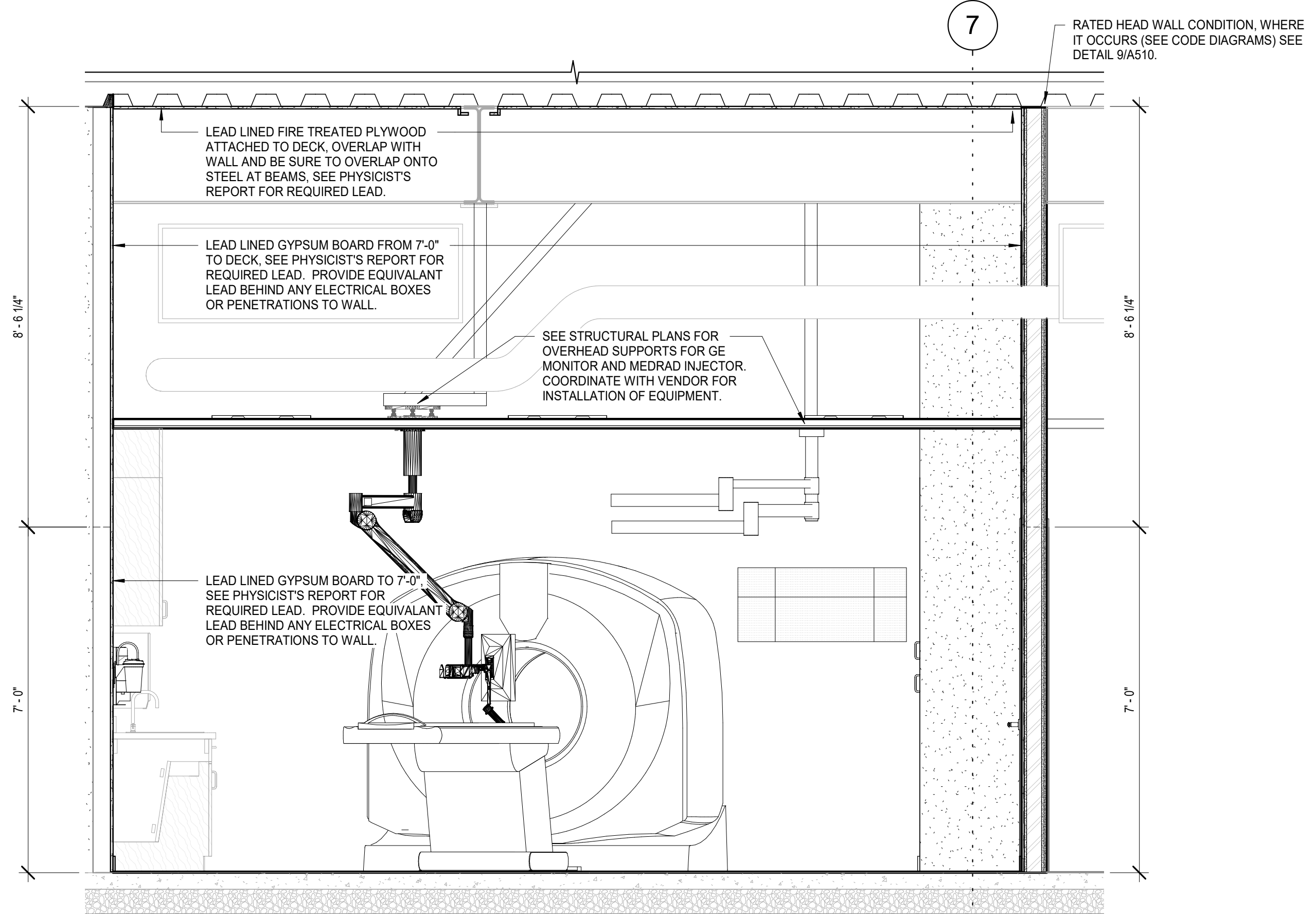
2 FULL HEIGHT MILLWORK
 A511 scale: 1" = 1'-0"



3 TYP. CABINET SECTION
 A511 scale: 1" = 1'-0"



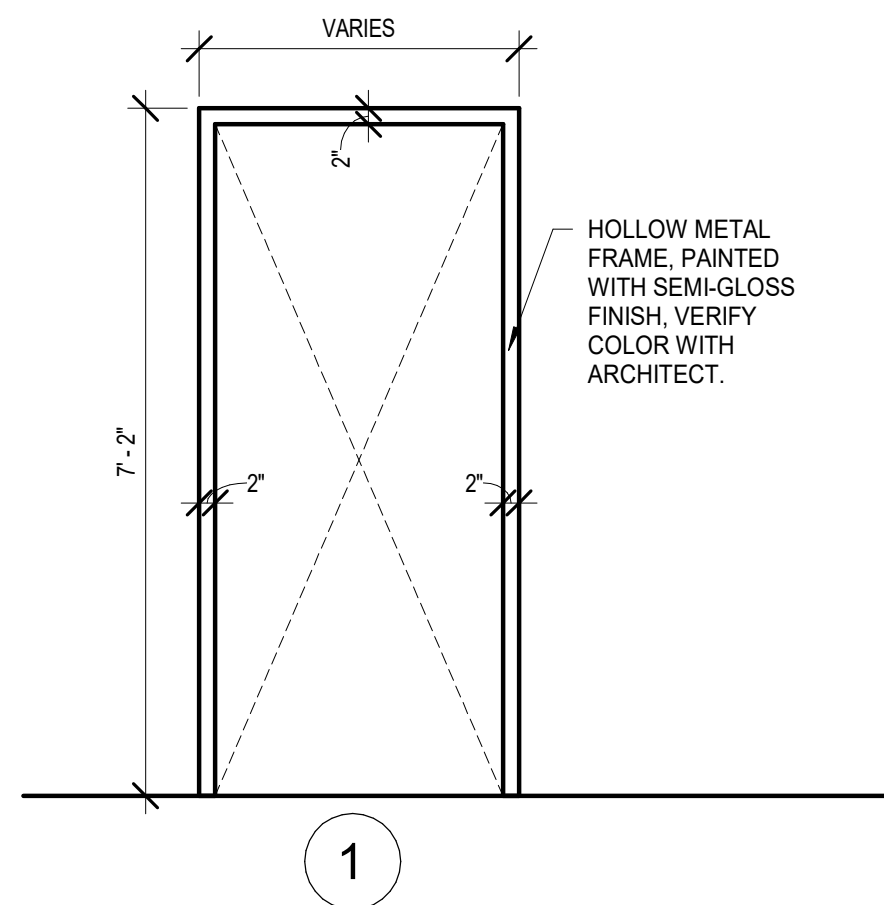
4 SINK SKIRT DETAIL
 A511 scale: 1" = 1'-0"



5 Section 1
 A511 scale: 1/2" = 1'-0"

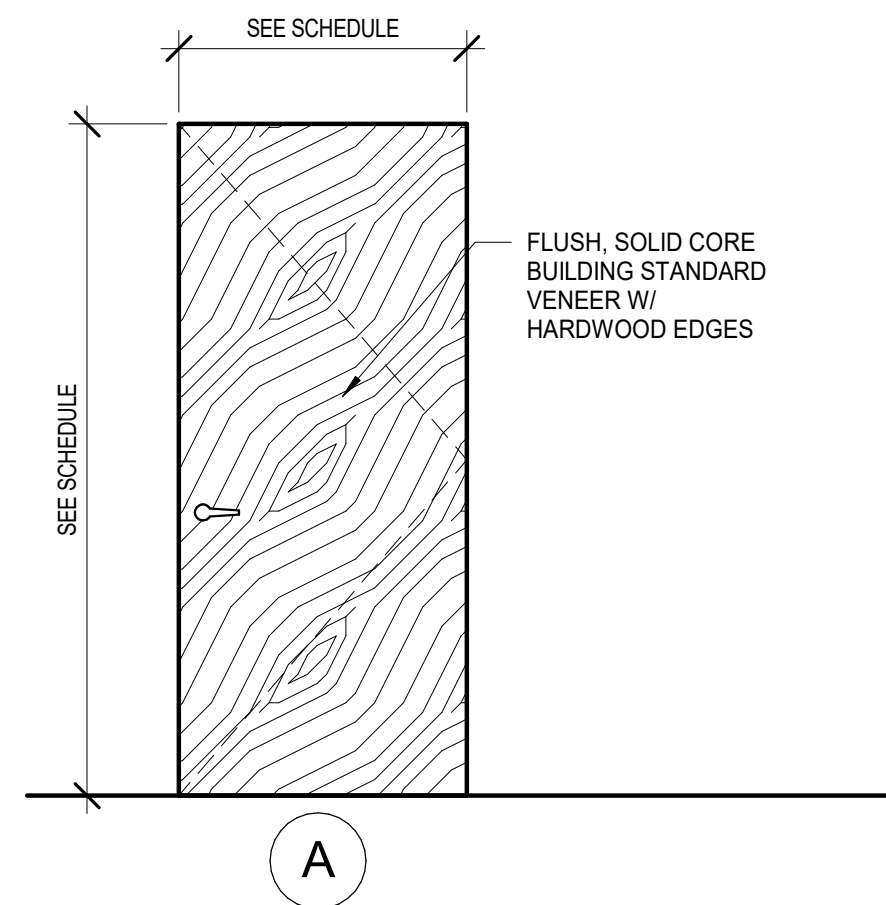
Δ	DATE	DESCRIPTION

THE LINE SHOWN ABOVE IS EXACTLY THE LOCATION OF THE DOOR FRAME SETS



DOOR FRAME TYPES

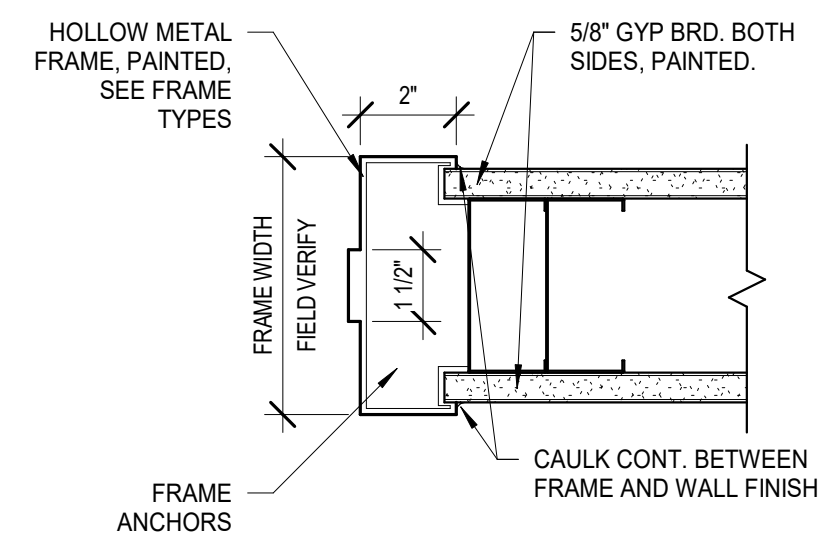
NOTE: DOOR FRAMES TO BE PAINTED SHERWIN WILLIAMS * "W" SEMI GLOSS FINISH



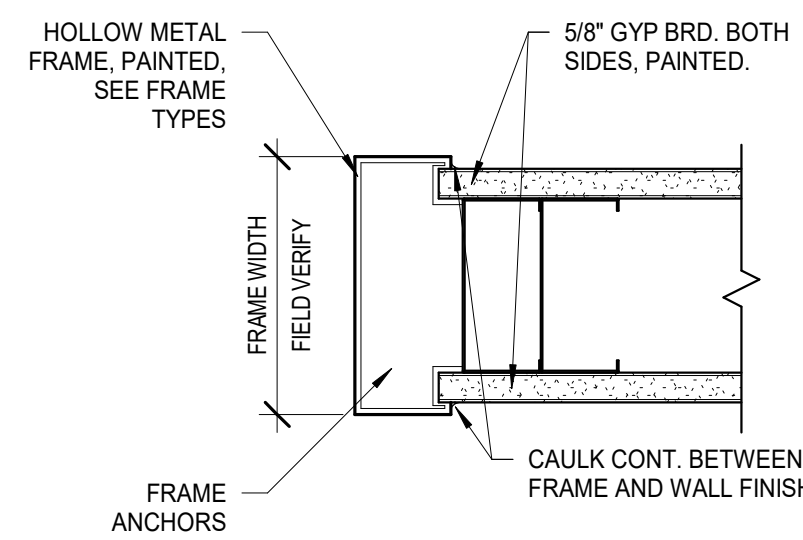
INTERIOR DOOR TYPES

NOTE: WOOD DOORS SHALL BE _____ WITH A PLAIN SLICED CUT. ALL _____ SHALL BE FINISHED WITH A CLEAR POLYURETHANE FINISH.

SEE SPECS FOR HARDWARE SCHEDULE



1 DOOR JAMB (HEAD SIM)
A601 scale: 3" = 1'-0"



2 FRAMED OPENING JAMB (HEAD SIM)
A601 scale: 3" = 1'-0"

DOOR SCHEDULE

DOOR NUMBER	DIMENSIONS			FRAME TYPE	DOOR TYPE	DETAILS			HARDWARE GROUP	FIRE RATING	Card Reader	NOTES
	WIDTH	HEIGHT	THICKNESS			JAMB	HEAD	THRESHOLD				
LEVEL 1												
101	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		6.0	20 MIN	Yes	
102	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		1.0			
103A	5'-0"	7'-0"	1 3/4"	1	A (UN EQ. PAIR)	1/A601	1/A601		9.0	90 MIN		LEAD LINED, UNEQUAL PAIR 42" x 18", MAG HOLD OPEN
103B	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		8.0			LEAD LINED
104	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		3.0			
105	6'-0"	7'-0"	1 3/4"	1	A (EQ PAIR)	EXISTING	EXISTING		10.0	45 MIN	Yes	EXISTING, ADD AUTO OPENER
106	3'-6"	7'-0"	1 3/4"	1	A	EXISTING	EXISTING		10.0	45 MIN		EXISTING TO REMAIN
107	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		12.0	20 MIN		GASKETING, SEALS, BOTTOM TRACK THRESHOLD
108	4'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		5.0	20 MIN		
109	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		1.0	90 MIN		KEY LOCK
110	7'-0"	7'-0"	1 3/4"	1	A (PAIR)	EXISTING	EXISTING				Yes	EXISTING DOOR / FRAME, ADDING CARD READER
LEVEL 3												
300	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		10.0			RELOCATED EXISTING DOOR
301	6'-0"	7'-0"	1 3/4"	1	A (EQ PAIR)	1/A601	1/A601		7.0		Yes	CARD READER, AUTOMATIC OPENER
302	3'-0"	7'-0"	1 3/4"	1	-	2/A601	2/A601					HOLLOW METAL FRAMED OPENING
303	4'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		2.0		Yes	SENSOR HOLD OPEN
304	3'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		10.0	45 MIN		RELOCATED EXISTING DOOR
305	4'-0"	7'-0"	1 3/4"	1	A	1/A601	1/A601		4.0		Yes	

INTERMOUNTAIN HEALTH CARE LAYTON HOSPITAL - CT REMODEL LAYTON, UT

- 1. MK - McKinney
- 2. MR - Markar
- 3. PE - Pemlas
- 4. SU - Securtron
- 5. RF - Risson
- 6. RO - Rockwood
- 7. SA - SARGENT
- 8. PR - BEST Precision
- 9. OT - Other
- 10. MC - Medeco
- 11. HS - HES
- 12. FO - Folger Adam
- 13. MO - Norton
- 14. BM - Besam

Hardware Sets

Set: 1.0

- Doors: 102, 109
- 3 Hinge, Full Mortise TA2714 US26D MK
- 1 Storeroom Lock LC 8204 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Surface Closer 351 O / P10 EN SA
- 1 Kick Plate K1050 10" CSK BEV US32D RO
- 1 Stop 400/403/441H (as required) US26D RO
- 1 Gasketing S88BL PE

Set: 2.0

- Doors: 303
- 3 Hinge, Full Mortise TA2714 US26D MK
- 1 Storeroom Lock LC 8204 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Electric Strike 1600-CS 630 HS ⚡
- 1 Surface Closer 351 O / P10 EN SA

DOOR HARDWARE 087100 - 18

INTERMOUNTAIN HEALTH CARE LAYTON HOSPITAL - CT REMODEL LAYTON, UT

- 1 Single Door Operator SW200 (surface single) 689 BM ⚡
- 1 Kick Plate K1050 10" CSK BEV US32D RO
- 1 Stop 400/403/441H (as required) US26D RO
- 1 Gasketing S88BL PE
- 2 Actuator 505 NO ⚡

Set: 3.0

- Doors: 104
- 3 Hinge, Full Mortise TA2714 US26D MK
- 1 Office Lock LB LC 8205 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Stop 400/403/441H (as required) US26D RO
- 1 Gasketing S88BL PE

Set: 4.0

- Doors: 305
- 3 Hinge, Full Mortise TA2714 US26D MK
- 1 Storeroom Lock LC 8204 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Surface Closer 351 O / P10 EN SA
- 1 Kick Plate K1050 10" CSK BEV US32D RO
- 1 Stop 400/403/441H (as required) US26D RO
- 1 Gasketing S88BL PE

Set: 5.0

- Doors: 108
- 3 Hinge, Full Mortise TA2714 US26D MK
- 1 Storeroom Lock LC 8204 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Concealed Overhead Stop 698S EN SA
- 1 Surface Closer 351 O / P10 EN SA
- 1 Kick Plate K1050 10" CSK BEV US32D RO
- 1 Gasketing S88BL PE

DOOR HARDWARE 087100 - 19

INTERMOUNTAIN HEALTH CARE LAYTON HOSPITAL - CT REMODEL LAYTON, UT

- Doors: 101
- 3 Hinge, Full Mortise TA2714 US26D MK
- 1 Storeroom Lock LC 8204 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Electric Strike 1600-CS 630 HS ⚡
- 1 Surface Closer 351 O / P10 EN SA
- 1 Kick Plate K1050 10" CSK BEV US32D RO
- 1 Stop 400/403/441H (as required) US26D RO
- 1 Gasketing S88BL PE
- 1 Power Supply AQD Series (as required) SU ⚡
- 1 Card Reader/Keypad provided by access control.

Set: 7.0

- Doors: 301
- 6 Hinge, Full Mortise TA2714 US26D MK
- 1 Flush Bolt 555 (12"-24" as required) US26D RO
- 1 Storeroom Lock LC 8204 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Electric Strike 310-2 630 FO ⚡
- 1 Single Door Operator SW200 (surface single) 689 BM ⚡
- 2 Kick Plate K1050 10" CSK BEV US32D RO
- 2 Stop 400/403/441H (as required) US26D RO
- 1 Gasketing S88BL PE
- 1 Door Harness QC-C_ (as required) MK ⚡
- 1 Actuator 505 NO ⚡
- 1 Power Supply AQD Series (as required) SU ⚡
- 1 Card Reader/Keypad provided by access control.

Set: 8.0

- Doors: 103B
- 1 Continuous Hinge FM300 630 MR
- 1 Office Lock, Lead Lined LB LC 74 8205 LNMW US26D SA
- 1 Surface Closer 351 O / P10 Lead Line Cover EN SA

DOOR HARDWARE 087100 - 20

INTERMOUNTAIN HEALTH CARE LAYTON HOSPITAL - CT REMODEL LAYTON, UT

- 1 Kick Plate (Adhesive) K1050 10" high SA BEV CSK US32D RO
- 1 Stop 400/403/441H (as required) US26D RO
- 1 Gasketing S88BL PE

Set: 9.0

- Doors: 103A
- 2 Continuous Hinge FM300 630 MR
- 1 Flush Bolt 2842 US26D RO
- 1 Dual Proof Strike 570 US26D RO
- 1 Passage Latch (Lead Lined) 74 8215 LNMW US26D SA
- 1 Electric Strike 310-2 630 FO ⚡
- 1 Pair Door Operators SW200 (surface pair) 689 BM ⚡
- 2 Kick Plate K1050 10" CSK BEV US32D RO
- 1 Gasketing S88BL PE
- 1 Door Harness QC-C_ (as required) MK ⚡
- 2 Actuator 505 NO ⚡
- 1 Power Supply AQD Series (as required) SU ⚡

Set: 10.0

- Doors: 300, 304
- 1 Existing Hardware Existing hardware to remain OT

Set: 11.0

- Doors: 110
- 1 Storeroom Lock LC 8204 LNMW US26D SA
- 1 Cylinder & Core Medeco SFIC 3370006N or to match facility standard OT
- 1 Electric Strike 310-2 630 FO ⚡
- 1 Door Harness QC-C_ (as required) MK ⚡
- 1 Power Supply AQD Series (as required) SU ⚡
- 1 Card Reader/Keypad provided by access control.
- 1 Existing Hardware Existing hardware to remain OT

Set: 12.0

- Doors: 107
- DOOR HARDWARE 087100 - 21

INTERMOUNTAIN HEALTH CARE LAYTON HOSPITAL - CT REMODEL LAYTON, UT

- 1 Gasketing S44BL PE
- 1 Gasketing S88BL PE
- 1 Door Bottom 420APKL PE
- 1 Existing Hardware Existing hardware to remain OT

END OF SECTION 087100

DOOR HARDWARE 087100 - 22

ENVIRONMENTS FOR HEALTH ARCHITECTURE
 888.781.8441 801.595.6400
 883 South 200 East, SLC, UT 84111
 BOSTON | BURLINGTON | DALLAS | FT. WORTH | INASHVILLE
 NEW YORK | PORTLAND | SALT LAKE CITY | WASHINGTON DC
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Intermountain Healthcare

INTERMOUNTAIN HEALTHCARE
 INTERMOUNTAIN HEALTH CARE LAYTON HOSPITAL - CT REMODEL
 201 LAYTON PARKWAY
 LAYTON, UT 84041

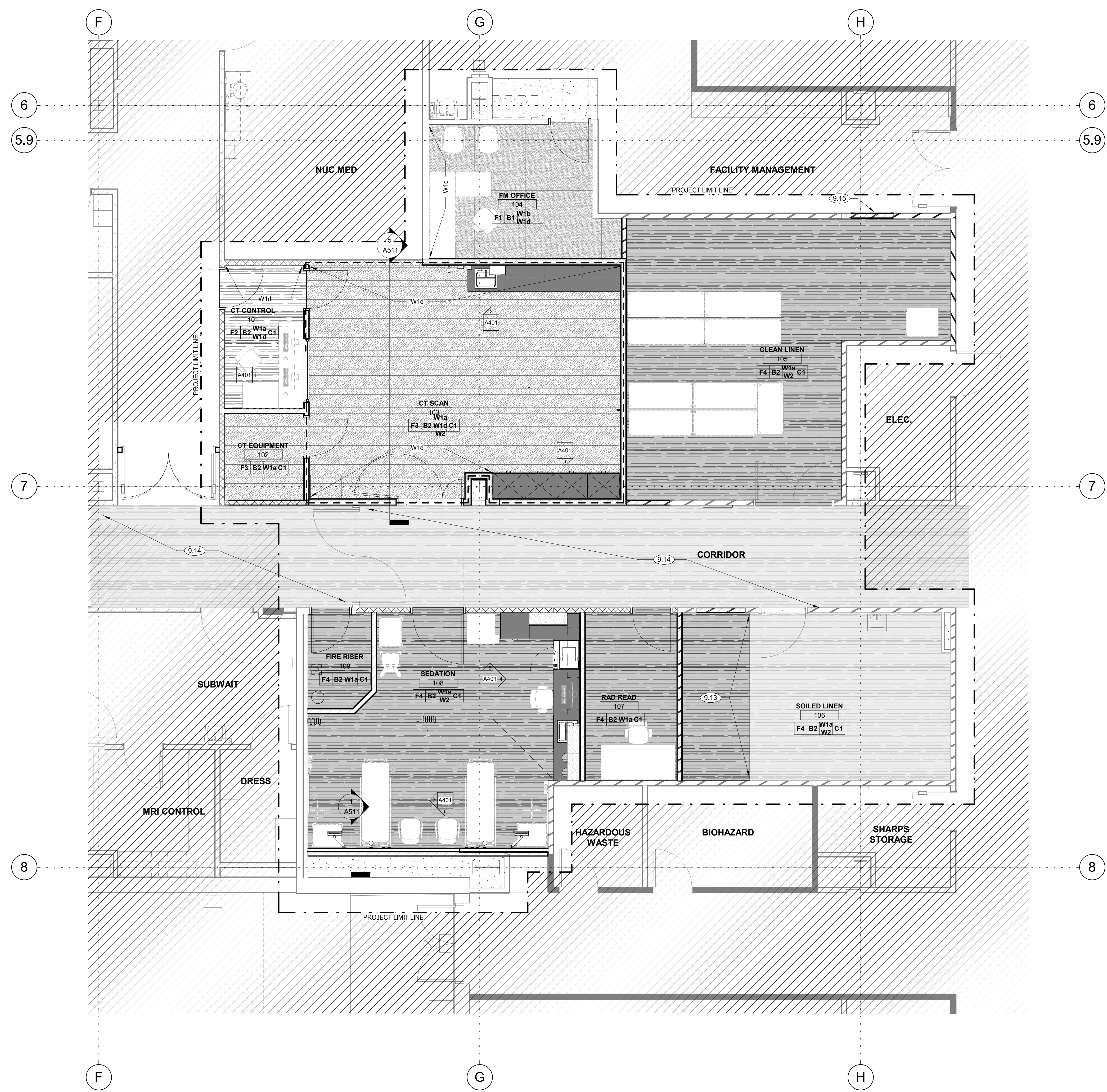
PROJECT: 7022021

Δ	DATE	DESCRIPTION

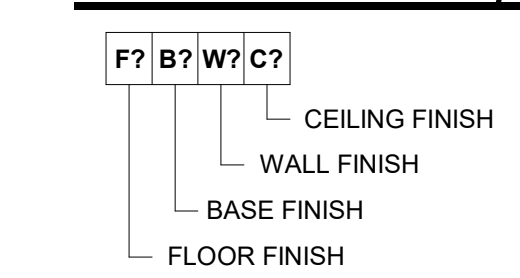
ORIG SUBMISSION: 07/07/06
 CURRENT:

SHEET TITLE AND NUMBER:
A601
 DOOR SCHEDULE

THE LINE SHOWN ABOVE IS EXACTLY
 THE SAME AS THE LINE SHOWN BELOW
 ORIGINAL PAGE SIZE



FINISH LEGEND / SYMBOLS



GENERAL FINISH NOTES

- A. ALL HOLLOW METAL FRAMES TO BE PAINTED IN SEMI-GLOSS ALKYD ENAMEL IN PAINT
- B. ALL WALLS TO BE PAINTED IN LATEX EGGSHELL (FIELD COLOR) UNLESS NOTED OTHERWISE. (SEE ELEVATIONS FOR ACCENT WALLS)
- C. SEE CEILING PLAN KEYNOTES FOR GYP. BD. CEILING DETAILS REFERENCES.
- D. SEE ELEVATIONS FOR EXACT FINISH LOCATIONS ALL MATERIAL SUBSTITUTIONS MUST BE APPROVED BY ARCHITECT.
- E. PROVIDE CORNER GUARDS AT ALL OUTSIDE LOCATIONS. BOTTOM OF GUARDS TO START AT TOP OF WALL BASE.
- F. PROVIDE HEAT WELDED ROD SEAMS AT ALL SHEET VINYL COLOR MATCHED TO FLOORING. MATCH DARKER COLOR IF SEAMING BETWEEN TWO PATTERNS.

FLOOR FINISH LEGEND

- F1 CARPET TILE:
SHAW CONTRACT QUARTZ TILE 5T017 ZIRCON 18" X 36" -
INSTALLATION METHOD:
- F2 SHEET VINYL FLOORING:
MANNINGTON - ENTWINED COLLECTION : SUBER, ETW451 SEDGE
- F3 SHEET VINYL FLOORING:
MANNINGTON - REALITIES: BOARDWALK, 5662 SPARROW.
- F4 SHEET VINYL FLOORING:
MANNINGTON - ENTWINED COLLECTION : SUBER, ETW451 SEDGE

BASE FINISH LEGEND

- B1 4" CARPET BASE - SHAW CONTRACT, DESIGN SERIES V 30
- B2 6" INTEGRAL COVED BASE

WALL FINISH LEGEND

- W1 PAINTED GYPSUM BOARD. ALL WALLS TO BE PAINTED W1a FIELD PAINT UNLESS NOTED OTHERWISE.
 - a. FIELD WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7005 PURE WHITE
 - b. FIELD WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7010 WHITE DUCK
 - c. ACCENT WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7045 INTELLECTUAL GRAY
 - d. ACCENT WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7604 SMOKY BLUE
 - e. HOLLOW METAL FRAME PAINT W/ SEMI-GLOSS FINISH: SW7005 PURE WHITE
- W2 4" WALL PROTECTION - C/S ACROVYN 0.04" RIGID SHEET - 858 PUMICE (PVC FREE)

CEILING FINISH LEGEND

- C1 LAY-IN GRID & PANELS - SEE REFLECTED CEILING PLAN FOR GRID, PANEL SIZE, COLORS AND TYPES.

REFERENCE NOTES

- 9.13 TIE NEW SHEET VINYL FLOORING INTO EXISTING.
- 9.14 EXISTING CORRIDOR WITH SHEET VINYL FLOORS, INTEGRAL BASE, AND RIGID WALL PROTECTION. PROTECT DURING CONSTRUCTION, PATCH AT INFILLED DOORS AND WALLS TO MATCH EXISTING (F4, B2, W1a, W2).
- 9.15 PATCH EXISTING FINISHES AND PAINT WALL FOR DOOR INFILL.

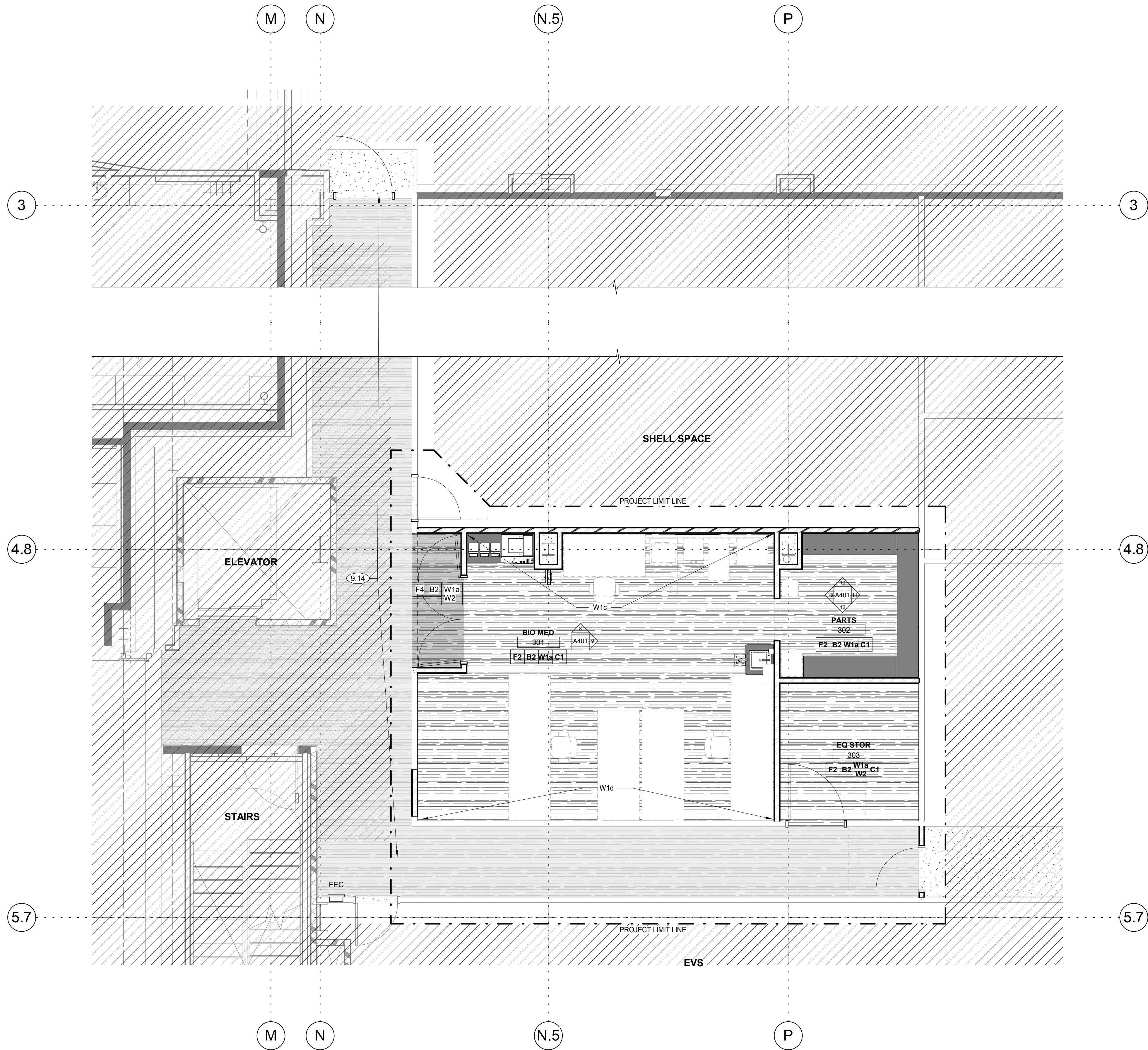
1 LEVEL 1 - FINISH PLAN
 A603 scale: 1/4" = 1'-0"

Δ	DATE	DESCRIPTION

ORIG SUBMISSION: 07/07/06
 CURRENT:

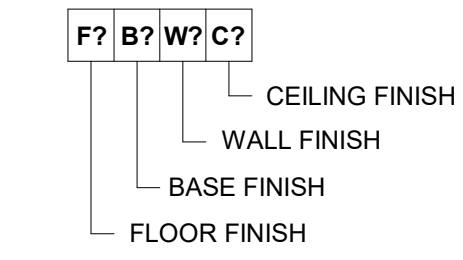
SHEET TITLE AND NUMBER:
A603
 FINISH PLAN / SCHEDULE

THE LINE SHOWN ABOVE IS EXACTLY
 THE LOCATION OF THE FINISH
 ORIGINAL PAPER SIZE



1 LEVEL 3 FINISH PLAN
 A604 scale: 1/4" = 1'-0"

FINISH LEGEND / SYMBOLS



GENERAL FINISH NOTES

- A. ALL HOLLOW METAL FRAMES TO BE PAINTED IN SEMI-GLOSS ALKYD ENAMEL IN PAINT
- B. ALL WALLS TO BE PAINTED IN LATEX EGGSHELL (FIELD COLOR) UNLESS NOTED OTHERWISE. (SEE ELEVATIONS FOR ACCENT WALLS)
- C. SEE CEILING PLAN KEYNOTES FOR GYP. BD. CEILING DETAILS REFERENCES.
- D. SEE ELEVATIONS FOR EXACT FINISH LOCATIONS ALL MATERIAL SUBSTITUTIONS MUST BE APPROVED BY ARCHITECT.
- E. PROVIDE CORNER GUARDS AT ALL OUTSIDE LOCATIONS. BOTTOM OF GUARDS TO START AT TOP OF WALL BASE.
- F. PROVIDE HEAT WELDED ROD SEAMS AT ALL SHEET VINYL COLOR MATCHED TO FLOORING. MATCH DARKER COLOR IF SEAMING BETWEEN TWO PATTERNS.

FLOOR FINISH LEGEND

- F1 CARPET TILE:
SHAW CONTRACT QUARTZ TILE 5T017 ZIRCON 18" X 36" -
INSTALLATION METHOD:
- F2 SHEET VINYL FLOORING:
MANNINGTON - ENTWINED COLLECTION : SUBER, ETW451 SEDGE
- F3 SHEET VINYL FLOORING:
MANNINGTON - REALITIES: BOARDWAK, 5662 SPARROW.
- F4 SHEET VINYL FLOORING:
MANNINGTON - ENTWINED COLLECTION : SUBER, ETW451 SEDGE

BASE FINISH LEGEND

- B1 4" CARPET BASE - SHAW CONTRACT, DESIGN SERIES V 30
- B2 6" INTEGRAL COVED BASE

WALL FINISH LEGEND

- W1 PAINTED GYPSUM BOARD. ALL WALLS TO BE PAINTED W1a FIELD PAINT UNLESS NOTED OTHERWISE.
 - a. FIELD WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7005 PURE WHITE
 - b. FIELD WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7010 WHITE DUCK
 - c. ACCENT WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7045 INTELCTUAL GRAY
 - d. ACCENT WALL PAINT W/ EGGSHELL FINISH: SHERWIN WILLIAMS SW7604 SMOKY BLUE
 - e. HOLLOW METAL FRAME PAINT W/ SEMI-GLOSS FINISH: SW7005 PURE WHITE
- W2 4" WALL PROTECTION - C/S ACROVYN 0.04" RIGID SHEET - 858 PUMICE (PVC FREE)

CEILING FINISH LEGEND

- C1 LAY-IN GRID & PANELS - SEE REFLECTED CEILING PLAN FOR GRID, PANEL SIZE, COLORS AND TYPES.

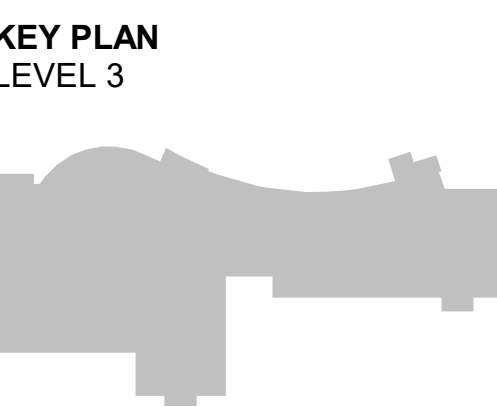
REFERENCE NOTES

- 9.14 EXISTING CORRIDOR WITH SHEET VINYL FLOORS, INTEGRAL BASE, AND RIGID WALL PROTECTION. PROTECT DURING CONSTRUCTION, PATCH AT INFILLED DOORS AND WALLS TO MATCH EXISTING (F4, B2, W1a, W2).



INTERMOUNTAIN HEALTHCARE
 INTERMOUNTAIN HEALTH CARE LAYTON
 HOSPITAL - CT REMODEL
 201 LAYTON PARKWAY
 LAYTON, UT 84041
 PROJECT: 7022021

Δ	DATE	DESCRIPTION



ORIG SUBMISSION: 09/09/22
 CURRENT:

SHEET TITLE AND NUMBER:
A604
 FINISH PLAN / SCHEDULE

THE LINE SHOWN ABOVE IS EXACTLY ONE LINE ABOVE THE CENTERLINE OF THE STRUCTURAL MEMBER.

1. Design Criteria

- 1.1. Governing Building Code 2018 International Building Code (IBC)
A. Risk Category IV
1.2. Floor Live Loading
A. Intermountain Standard 100psf Live Load
1.3. Earthquake
A. Seismic Design Category D
B. Spectral Response Acceleration Sps = 0.932 g

2. Slotted Channel Framing (Strut)

- 2.1. Manufacturer: Strut systems to be installed shall be as manufactured by Unistrut, Cooper B-Line, Inc. or Engineer approved equal.
2.2. Materials and Finish:
A. Cold-formed to size from low carbon strip steel.
B. Manufactured from raw steel in accordance with:
1. 12 Gauge sections: ASTM A570 Grade 33 or ASTM A653 Grade 33
2. 14 Gauge sections: ASTM A570 Grade 33 or ASTM A653 Grade 33
3. 16 Gauge sections: ASTM A366 or ASTM A653 Grade 33
4. 19 Gauge sections: ASTM A366
C. Slotted Channel Fittings shall be:
1. Punch press made from hot rolled, pickled and oiled steel plates, strip or coil, and conform to ASTM A575, A576, A635, or A36.
2. Used with fitting steel meeting the physical requirements of ASTM A570 Grade 33.
3. Free from scale with a smooth surface.
D. Screws shall conform to SAE J429 Grade 2 or ASTM A307.
E. Channel Nuts shall be:
1. Bolts shall conform to the following ASTM Standards:
a. 1/4" & 5/16" Diameter - A1011 SS Grade 33.
b. 3/8", 7/16" & 1/2" Diameter - A576 Grade 1015 Modified
c. 5/8" & 3/4" Diameter - A36 or A575 Grade 60.
2. 7/8" Diameter - A36 bolts shall be machined/manufactured to meet the Unified Screw Thread Standard, ANSI B1.1, coarse series (UNC) class 2.
3. Channel nuts shall be case hardened after machining, assuring positive biting action into the intumed edge of slotted channel framing.
F. Epoxy Painted: Strut shall be made from steel meeting the minimum mechanical properties of ASTM A1011 SS Grade 33, then painted with water born epoxy applied by a cathodic electro-deposition process.
G. Pre-galvanized Steel: Strut shall be made from steel meeting the minimum mechanical properties of ASTM A653 SS, Grade 33, and mill galvanized in accordance with coating designation G90.
H. AISI - American Iron and Steel Institute

3. Structural Steel

- 3.1. Material:
A. Shapes and Plates: ASTM A36 (Fy = 36 ksi), except as noted otherwise
3.2. Fabrication and construction shall comply with the following Codes and Standards:
A. American Institute of Steel Construction (AISC) 360-16, "Specification for Structural Steel Buildings"
B. AISC 303-16, "Code of Standard Practice for Steel Buildings and Bridges" excluding the following: Section 3.3 (last two sentences of first paragraph), Section 4.4, Section 4.4.1, Section 4.4.2, Section 4.5, and Section 7.13.3
1. The architectural drawings are the prime contract drawings. Consultants' drawings shall be used in conjunction with the architectural drawings.
3.3. Structural shapes and plates shall be fabricated from newly rolled (milled) one-piece sections without splices, unless specifically noted otherwise on the structural drawings.

4. Miscellaneous

- 4.1. Post-Installed Anchors in Concrete
A. Anchorage to hardened concrete shall include all mechanical size, quantity, spacing, and embedment as shown on the drawings.
B. Special inspection is required during the installation of all post-installed anchors.
C. Alternate anchors or adhesives are permitted with approval of the Engineer.
D. Installation of adhesive anchors horizontally or upwardly inclined to support sustained tension loads shall be performed by personnel certified by an applicable certification program.
E. Anchors shall be installed according to the Manufacturer's Printed Installation Instructions and applicable code evaluation reports including:
1. Hole diameter, depth, and cleaning procedure
2. Installation torque
F. Locate all existing reinforcement and embedded items prior to drilling into concrete elements.
G. Grout all defective or abandoned holes with non-shrink grout or an injectable epoxy adhesive matching the surrounding concrete compressive strength.
H. Carbon steel anchors are limited to use in dry, interior locations.
I. Holes for post-installed anchors may not be core drilled unless specifically allowed by the manufacturer's installation instructions and the code evaluation report.

5. Special Instructions

- 5.1. The project specifications are not superseded by the General Structural Notes but are intended to be complementary to them.
5.2. The architectural drawings are the prime contract drawings.
5.3. The structural drawings shall be used in conjunction with the architectural drawings.
5.4. Shoring and Bracing Requirements:
A. The General Contractor is responsible for the method and sequence of all structural erection.
5.5. Submittals: A copy of all shop drawings that have been submitted for review must be kept at the construction site for reference.
5.6. Project Coordination: It shall be the responsibility of the General Contractor to coordinate with all trades any and all items that are to be integrated into the structural system.
5.7. Contractor shall field verify all dimensions, and conditions.
5.8. Notice of Copyright: The structural drawings, plans, schedules, notes and details are hereby copyrighted by Revealey Engineers.

6. Quality Assurance

- 6.1. Quality Assurance Agency Requirements:
A. The Owner shall engage a qualified Quality Assurance Agency (QAA) to provide all special inspection and quality assurance testing for the project.
1. The QAA shall be objective, competent and independent from the Contractor responsible for the work being inspected.
2. The QAA shall have adequate equipment to perform required tests.
3. The QAA shall employ experienced personnel educated in conducting, supervising and evaluating tests and special inspections.
4. The QAA shall send copies of all inspection and testing reports to the building official, Owner, Architect, Engineer and Contractor.
6.2. Contractor Responsibilities:
A. The Contractor shall submit a written statement of responsibility to the building official and the Owner or the owner's authorized agent prior to the commencement of work.
B. Notification of QAA: The Contractor shall notify the QAA in a timely manner so that inspection and testing may be performed as outlined in the statement of special inspections.
6.3. Structural Observations by the Engineer of Record:
A. The Engineer of Record will perform a structural observation at a critical phase of the project.
B. Observation visits to the site by the Engineer's field representatives shall not be construed as inspection or approval of construction.

7. Statement of Special Inspections

- 7.1. The following materials, systems and components require special inspection or testing per Chapter 17 of the International Building Code (IBC).
7.2. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task.

Concrete Construction per IBC Sections 1705.3 & 1705.12
Table with 3 columns: Item, Frequency, Detailed Instructions

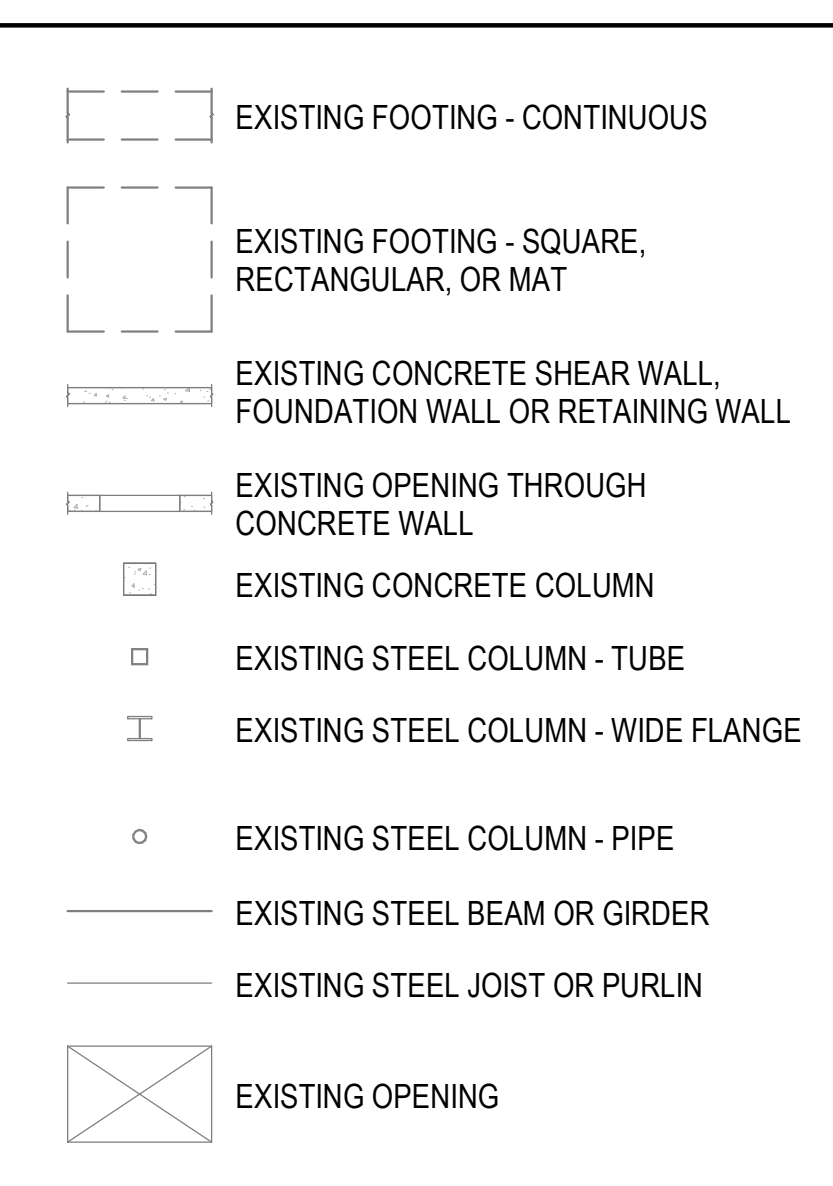
ABBREVIATIONS

- @ AT
AB ANCHOR BOLT (S)
ABV ABOVE
ALT ALTERNATE
APPROX APPROXIMATE
ARCH ARCHITECT(URAL)
BLDG BUILDING
BLW BELOW
BM BEAM
BOT BOTTOM
BRG BEARING
BTWN BETWEEN
CJ CONSTRUCTION JOINT OR CONTROL JOINT
CJP COMPLETE JOINT PENETRATION
CMU CONCRETE MASONRY UNIT
COL COLUMN
CONC CONCRETE
CONST CONSTRUCTION
CONT CONTINUOUS
CONTR CONTRACTOR
CTR CENTER
D.B. DECK BEARING
db DIAMETER OF REINFORCING BAR
DBA DEFORMED BAR ANCHORS
DBL DOUBLE
DET DETAIL
DIA (OR Ø) DIAMETER
DIAG DIAGONAL
DIM DIMENSION
DK DECK
DN DOWN
DWG DRAWING
DWL DOWEL
E.F. EACH FACE
E.J. EXPANSION JOINT (SEISMIC SEPARATION JOINT)
E.W. EACH WAY
EA EACH
EL ELEVATION
ELEC ELECTRICAL
ELEV ELEVATOR
ENG ENGINEER
EQ EQUAL
EQUIP EQUIPMENT
EXIST (E) EXISTING
EXP EXPANSION / EXPOSED
EXT EXTERIOR
F.D. FLOOR DRAIN
F.F. FINISH FLOOR
F.V. FIELD VERIFY
FDTN FOUNDATION
FIN FINISH
FL FLOOR
FT FOOT
FTG FOOTING
GA GAUGE
GALV GALVANIZED
GLB GLU-LAMINATED BEAM
GR GRADE
GSN GENERAL STRUCTURAL NOTES
HB HORIZONTAL BRIDGING
HORIZ HORIZONTAL
HSA HEADED STUD ANCHORS
HSS HOLLOW STRUCTURAL STEEL
HT HEIGHT
I.F. INSIDE FACE
IBC INTERNATIONAL BUILDING CODE
ICC INTERNATIONAL CODE COUNCIL
IN INCH
INSUL INSULATION
INT INTERIOR
JST JOIST
JT JOINT
K KIPS - 1,000 POUNDS
KLF KIPS PER LINEAL FOOT
KSF KIPS PER SQUARE FOOT
KSI KIPS PER SQUARE INCH
LBS POUNDS
Ld, Lt, Lsb, Lsbt, Ldc, Lsc SEE CONCRETE REINFORCING BAR DEVELOPMENT AND LAP LENGTH SCHEDULE
LF LINEAL FOOT
LFRS LATERAL FORCE RESISTING SYSTEM (SFRS & WFRS)
LLH LONG LEG HORIZONTAL
LLV LONG LEG VERTICAL
LSH LONG SIDE HORIZONTAL
LSV LONG SIDE VERTICAL

ABBREVIATIONS

- MAS MASONRY
MAX MAXIMUM
MCJ MASONRY CONTROL JOINT
MECH MECHANICAL
MFRG MANUFACTURER
MIN MINIMUM
MISC MISCELLANEOUS
NIC NOT IN CONTRACT
NORM NORMAL
NTS NOT TO SCALE
O.C. ON CENTER
O.F. OUTSIDE FACE
OPNG OPENING
OPP OPPOSITE
OWSJ OPEN WEB STEEL JOIST
P.T. POST-TENSIONED
PAF POWDER ACTUATED FASTENER
PCF POUNDS/CUBIC FOOT
PJP PARTIAL JOINT PENETRATION
PL PLATE
PLF POUNDS/LINEAL FOOT
PNL PANEL
PSF POUNDS/SQ FOOT
PSI POUNDS/SQ INCH
R.D. ROOF DRAIN
REINF REINFORCING
REQD REQUIRED
SDS SELF-DRILLING SCREW
SFRS SEISMIC FORCE RESISTING SYSTEM
SHT SHEET
SI SPECIAL INSPECTION (SP. INSP.)
SIM SIMILAR
SOG SLAB ON GRADE
SQ SQUARE
STAG STAGGERED
STD STANDARD
STIFF STIFFENER
STL STEEL
STRUCT STRUCTURAL
T & B TOP AND BOTTOM
T.O. TOP OF
TEMP TEMPERATURE
THDS THREADS
TOC TOP OF CONCRETE
TOCP TOP OF CONCRETE PIER
TOF TOP OF FOOTING
TOS TOP OF SLAB
TOST TOP OF STEEL
TOW TOP OF WALL
TYP TYPICAL
UNO UNLESS NOTED OTHERWISE
VERT VERTICAL
W.P. WORK POINT
W/ WITH
WF WIDE FLANGE
WFRS WIND FORCE RESISTING SYSTEM
WT WEIGHT
WWF WELDED WIRE FABRIC
YD YARD

PLAN LEGEND



PLAN MARKS

- BF# BRACED FRAME
CB# CONCRETE BEAM
CC# CONCRETE COLUMN
CCSS# CANTILEVERED CONCRETE SUSPENDED SLAB
CDP# CONCRETE DRILLED PIER
CFW# CONCRETE FOUNDATION WALL
CGB# CONCRETE GRADE BEAM
CJ# CONCRETE JOIST
CJC# CONCRETE JAMB COLUMN
CL# CONCRETE LINTEL
CP# CONCRETE PIER
CRW# CONCRETE RETAINING WALL
CSG# CONCRETE SLAB ON GRADE
CSH# CONCRETE SHEAR HEAD
CSS# CONCRETE SUSPENDED SLAB
CSW# CONCRETE SHEAR WALL
CW# CONCRETE WALL
CWF# CONTINUOUS FOOTING
FM# MAT FOOTING
FR# RECTANGULAR FOOTING
FS# SQUARE FOOTING
FTS# THICKENED SLAB FOOTING
HD# HOLD DOWN ANCHOR
MC# MASONRY COLUMN
MF# MOMENT FRAME
ML# MASONRY LINTEL
MP# MASONRY PIER
MW# MASONRY WALL
PTB# POST-TENSIONED CONCRETE BEAM
SBP# STEEL BASE PLATE
SC# STEEL COLUMN
SCP# STEEL CAP PLATE
SD# STEEL DECK
SDA# STEEL DECK ATTACHMENT
SG# STEEL GIRDER
SJ# STEEL JOIST
SND# SNOW DRIFT
WB# WOOD BEAM
WBW# WOOD BEARING WALL
WC# WOOD COLUMN
WD# WOOD DIAPHRAGM
WJ# WOOD JOIST
WSW# WOOD SHEAR WALL

STRUCTURAL DRAWING LIST

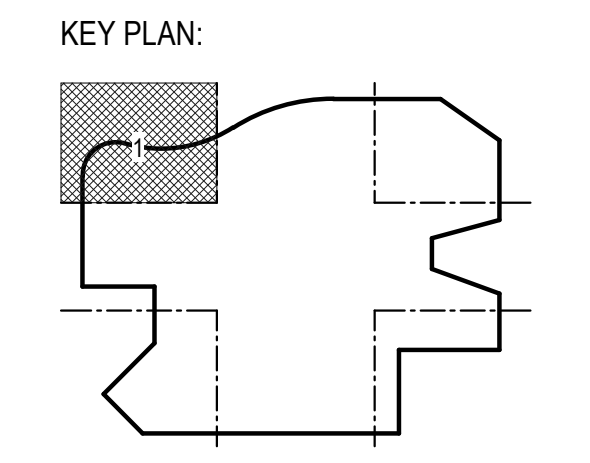
Table with 2 columns: SHT NO., SHT NAME
Rows: SE001 GENERAL STRUCTURAL NOTES, SF101 FLOOR PLANS

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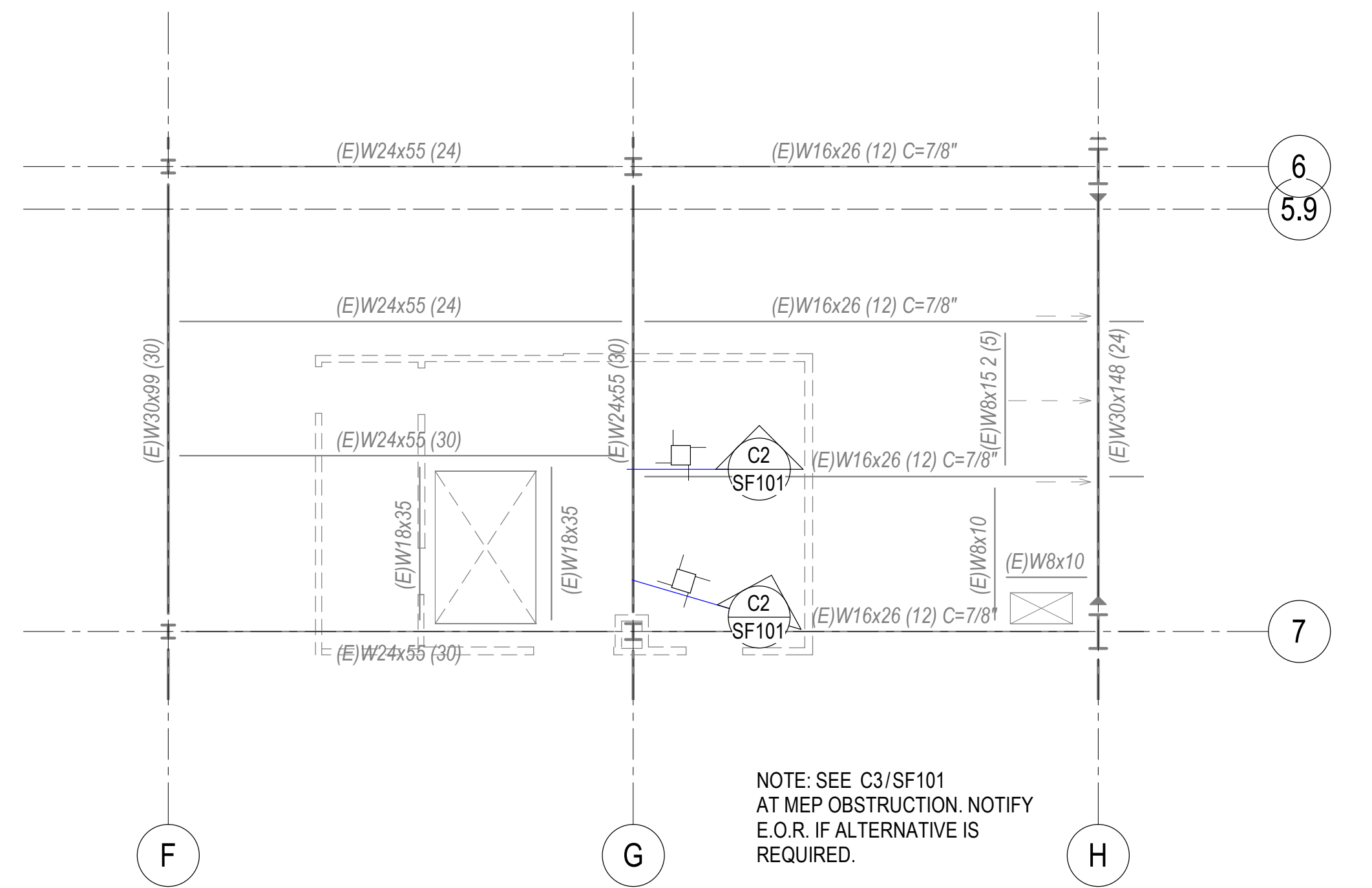


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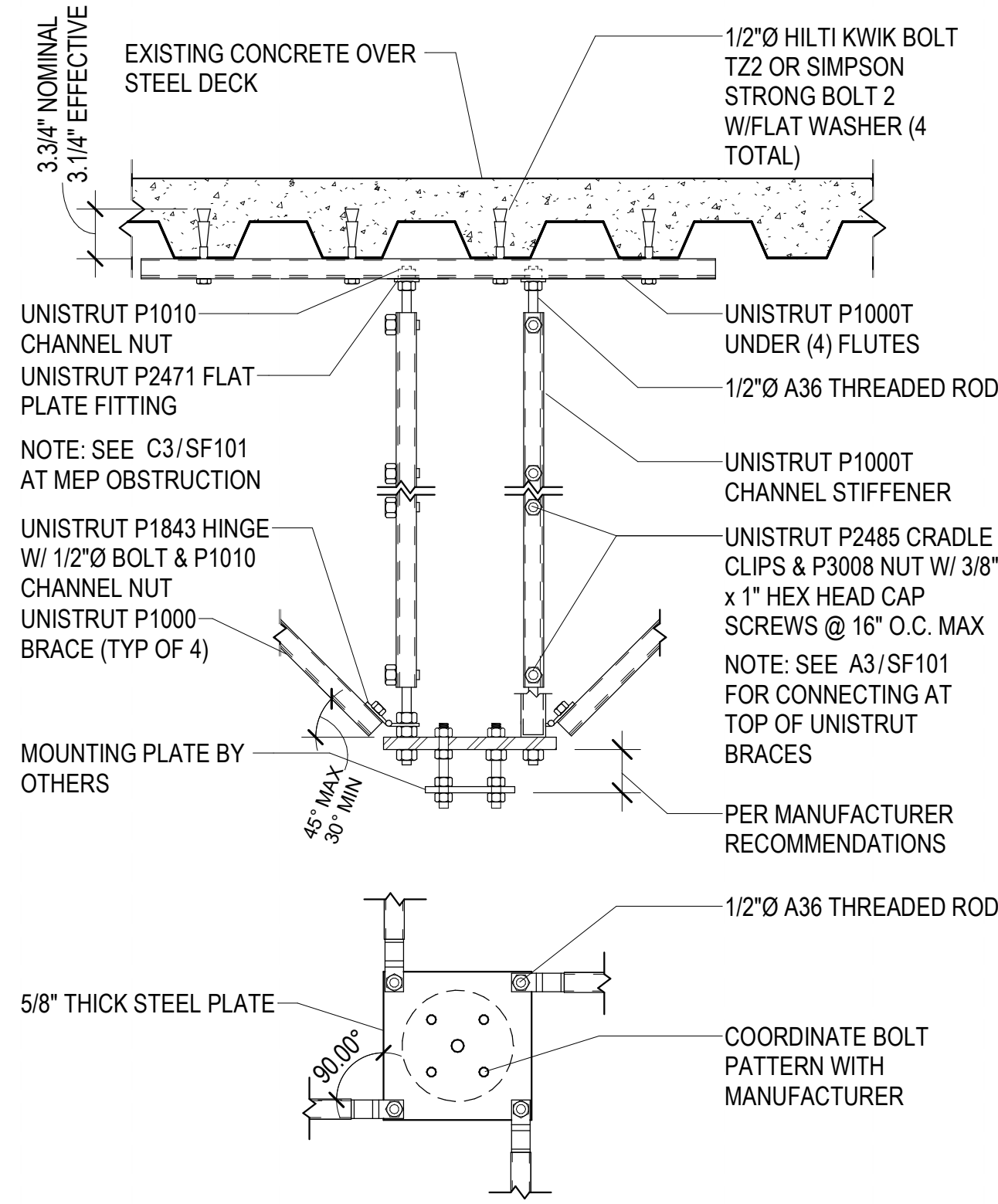
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SE001
GENERAL STRUCTURAL NOTES

THE LINE SHOWN ABOVE IS EXACTLY
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C1 LEVEL 2 CEILING EQUIPMENT SUPPORT PLAN
 SF101 SCALE: 1/8" = 1'-0"

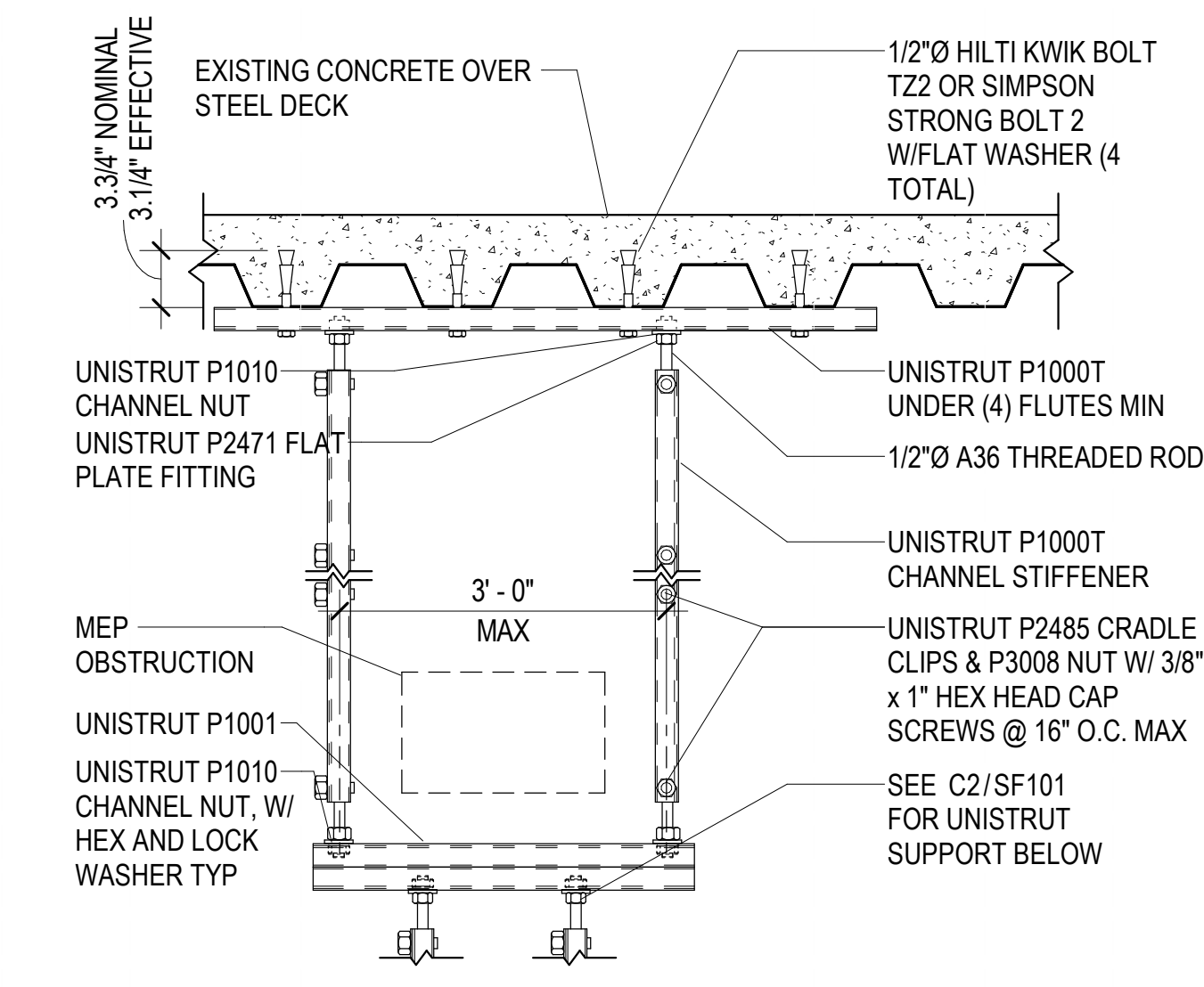


C2 TYPICAL EQUIPMENT SUPPORT TO CONCRETE SLAB ON STEEL DECK
 SF101 NO SCALE

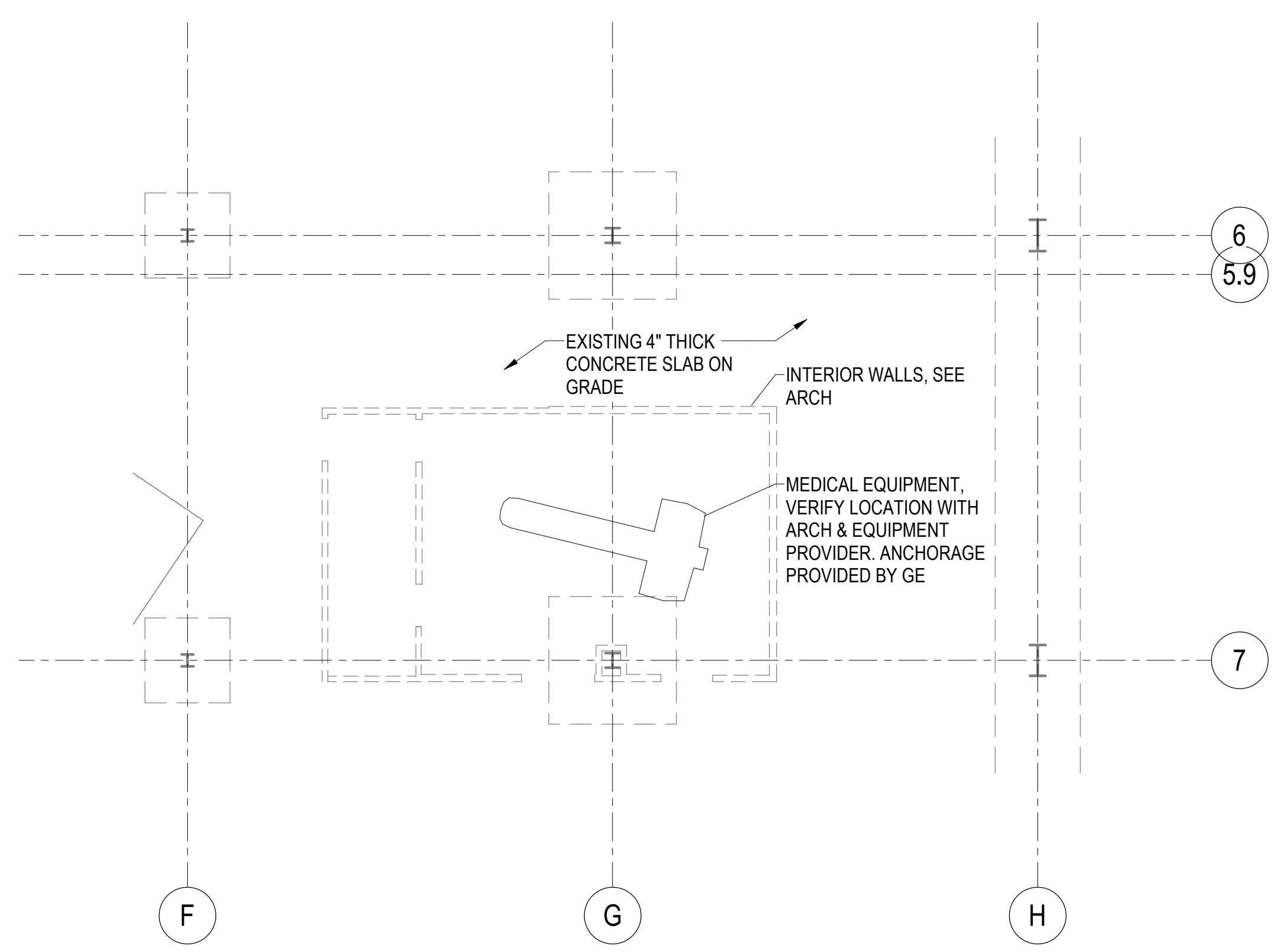
MEDICAL EQUIPMENT SUPPORT
1. VERIFY EQUIPMENT SUPPORT DIMENSIONS WITH MEDICAL EQUIPMENT VENDORS AND ARCHITECTURAL PRIOR TO FABRICATION.
2. DESIGN FOR THE EQUIPMENT SUPPORT IS BASED ON REV A DRAWINGS FROM GE DATED 07/29/2022.

MEDICAL EQUIPMENT LEGEND
LIGHTWEIGHT BOOM SUPPORT

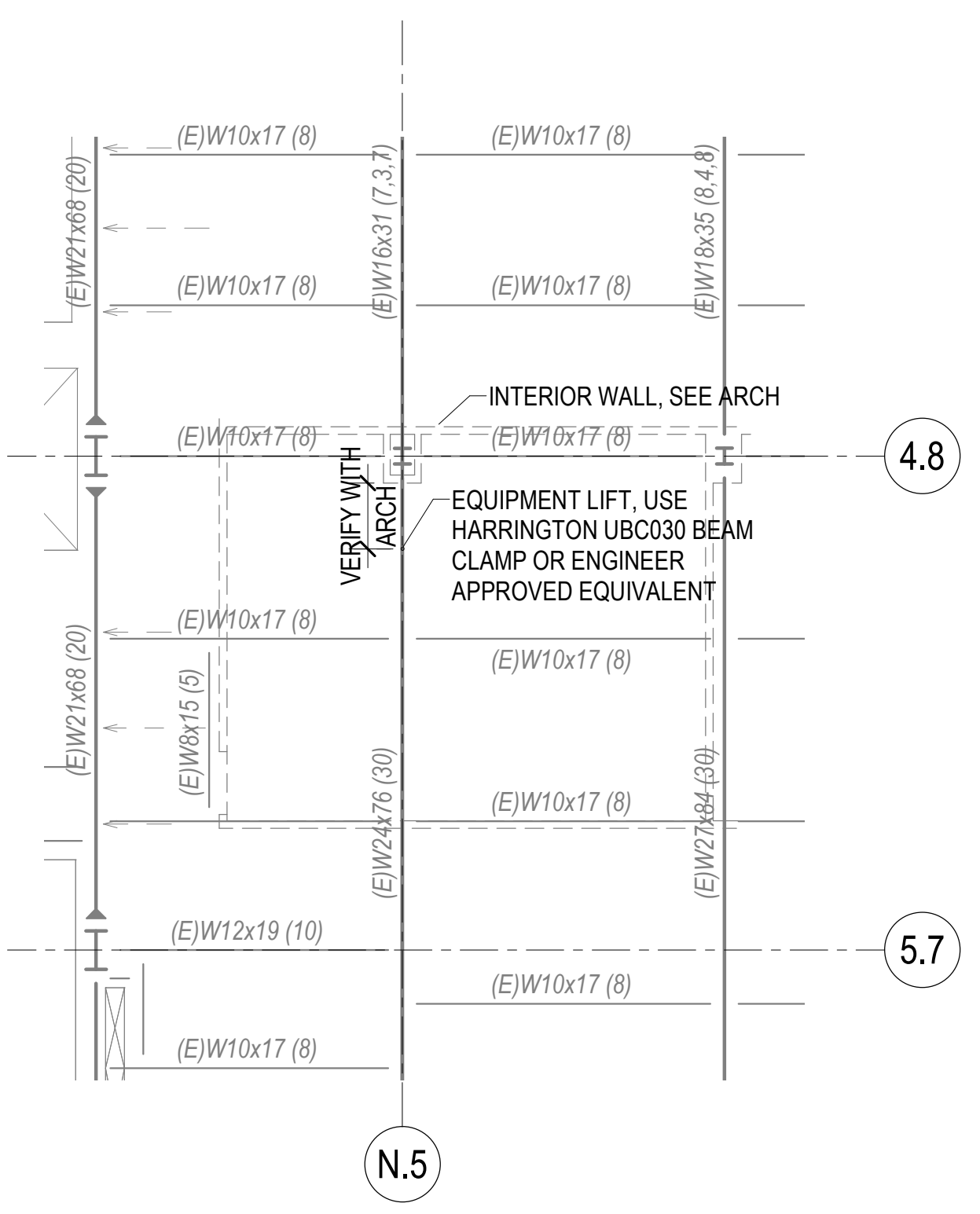
EXISTING BUILDING NOTES
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO DETAILING, FABRICATING, ERECTING OR INSTALLING ANY STRUCTURAL ELEMENT. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM IN A TIMELY MANNER SUCH THAT WORK WILL NOT BE DELAYED.
2. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OF EXISTING STRUCTURE DURING CONSTRUCTION.
3. REPAIR FIREPROOFING WHERE DAMAGED DURING CONSTRUCTION.



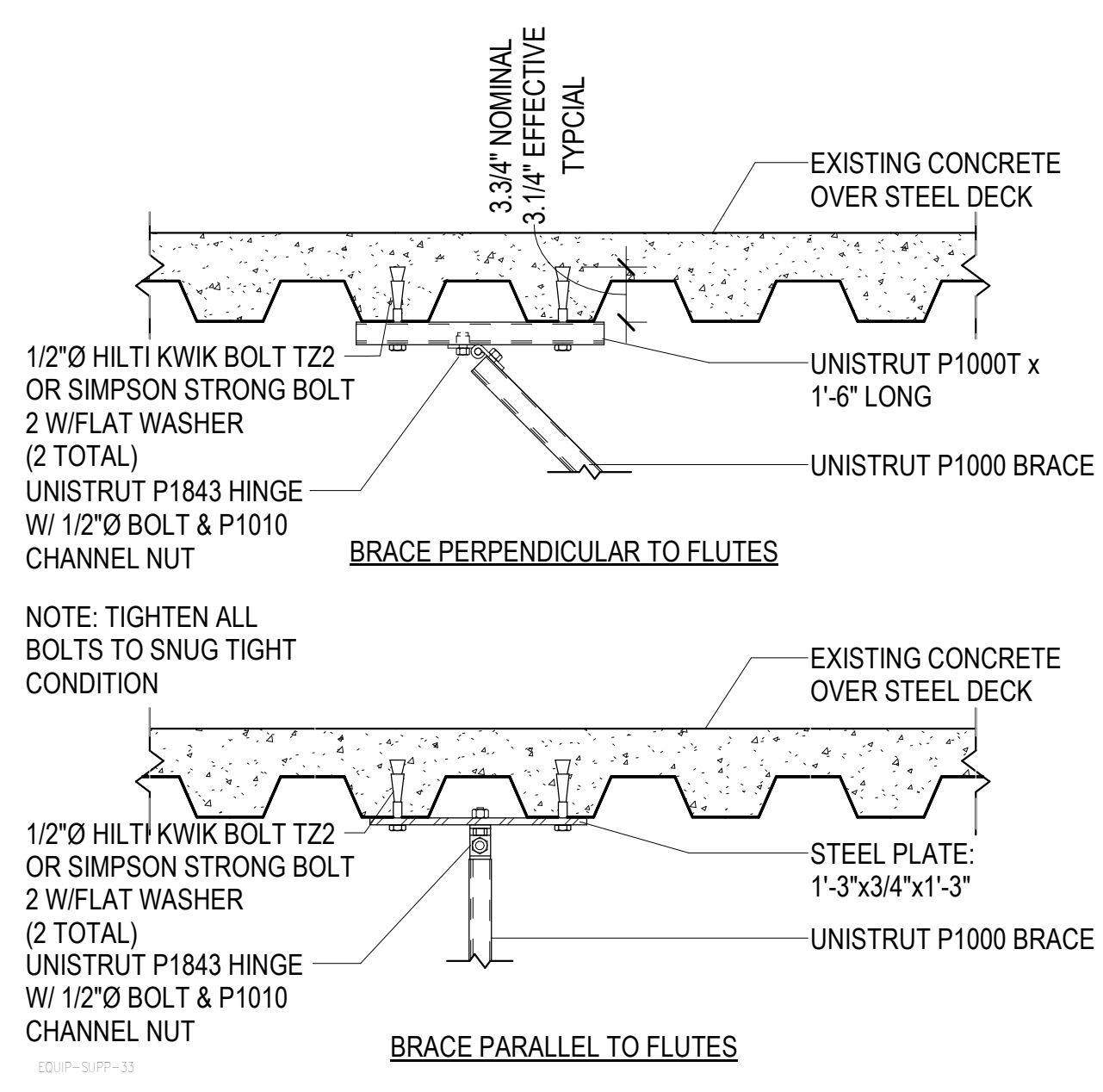
C3 TYPICAL EQUIPMENT SUPPORT TO CONCRETE SLAB ON STEEL DECK
 SF101 NO SCALE



A1 LEVEL 1 PARTIAL PLAN
 SF101 SCALE: 1/8" = 1'-0"



A2 LEVEL 4 PARTIAL PLAN
 SF101 SCALE: 1/8" = 1'-0"



A3 TYPICAL UNISTRUT CONNECTION TO CONC OVER STEEL DECK
 SF101 NO SCALE

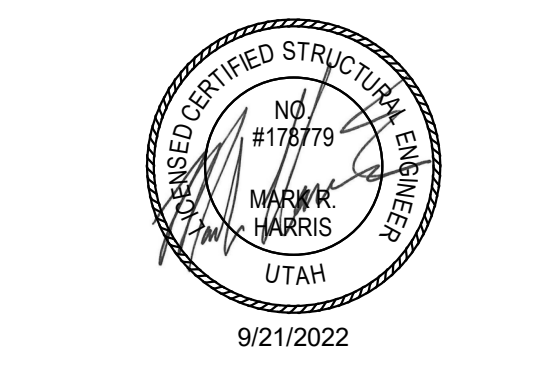
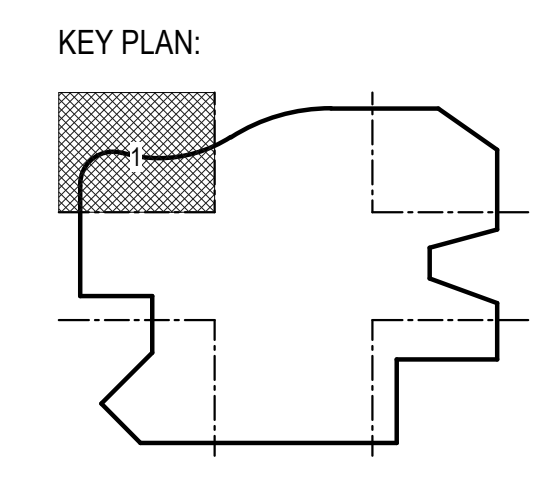
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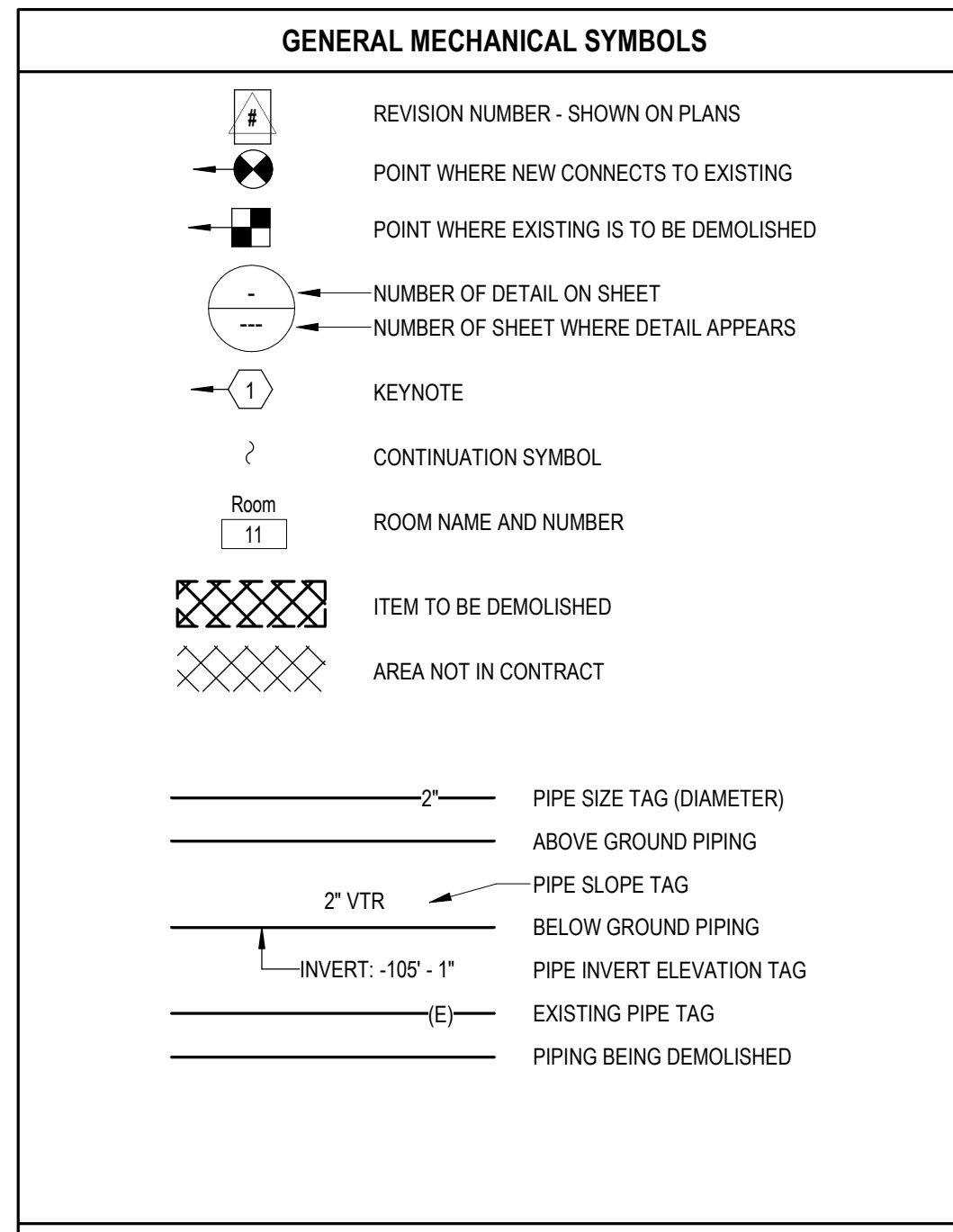
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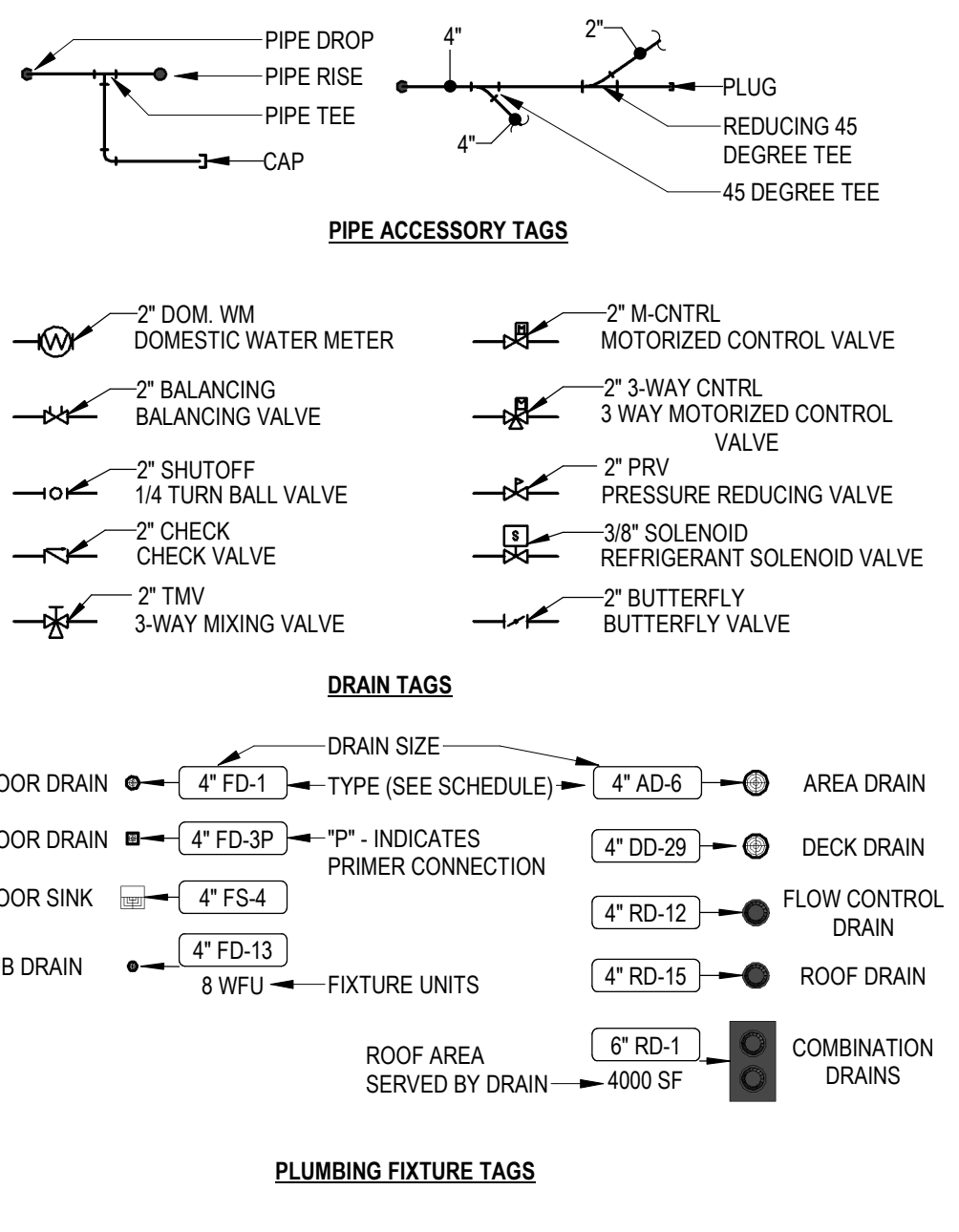
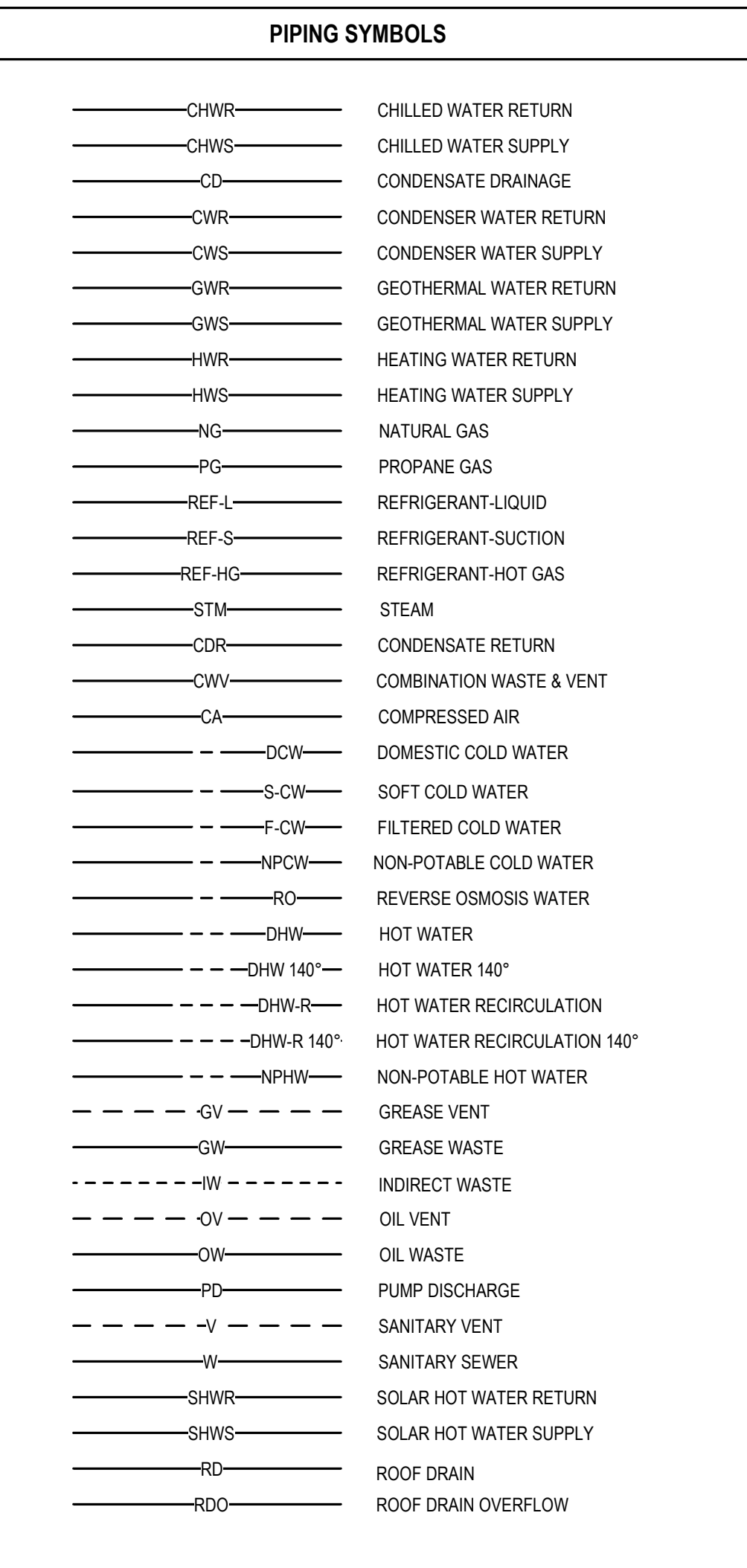
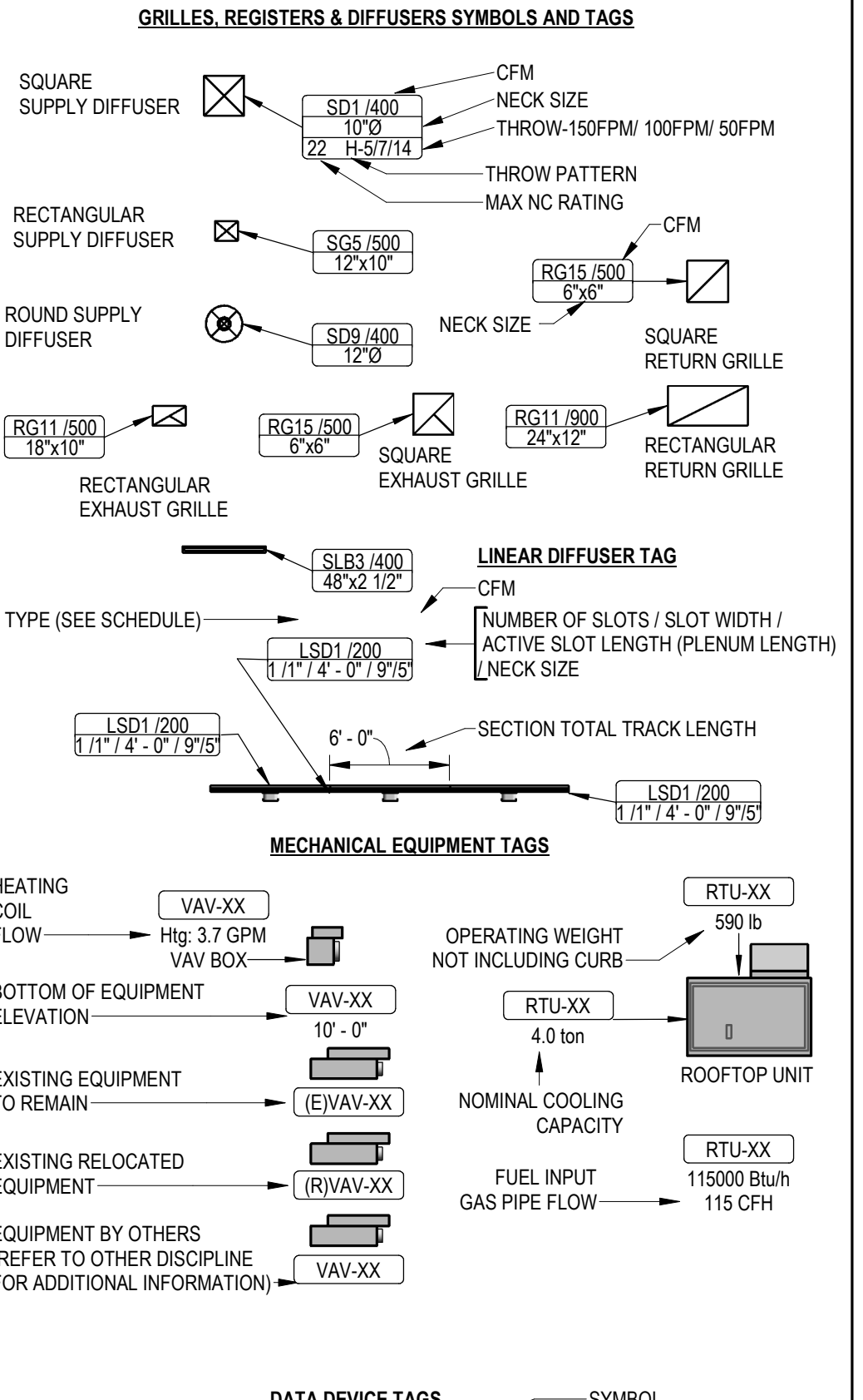
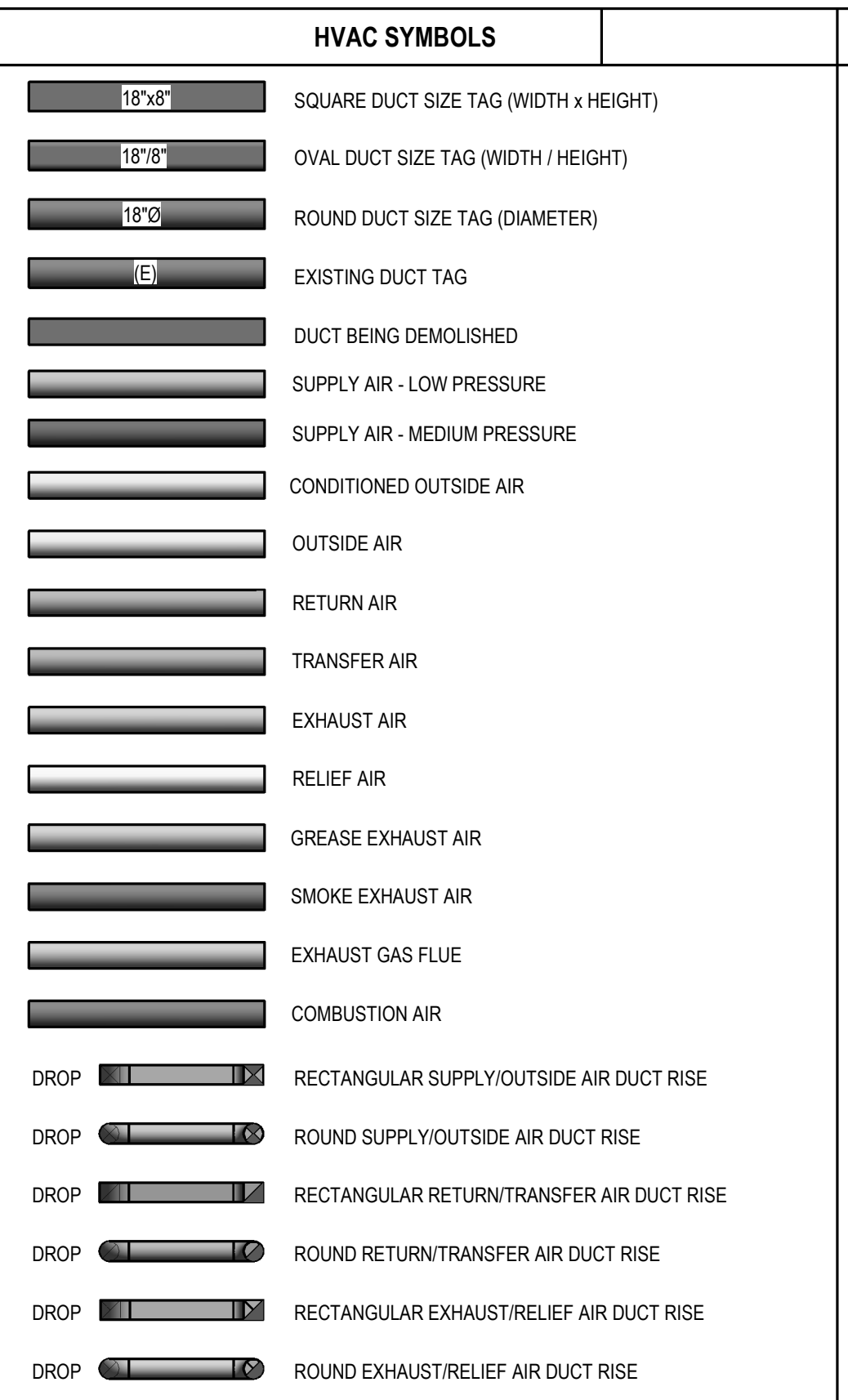
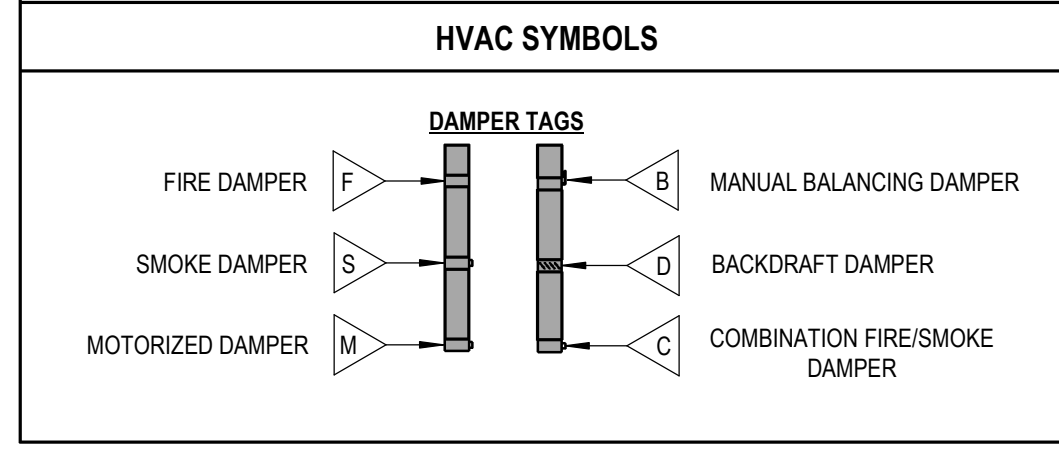
SHEET TITLE AND NUMBER:
SF101
 FLOOR PLANS

THE LINE SHOWN ABOVE IS EXACTLY THE SAME AS THE ORIGINAL SIZE



ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MOT	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLS	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
D	DEGREE	O	OXYGEN
DB	DRY BULB	O/A	OUTSIDE AIR
DCW	DOMESTIC COLD WATER	PD	PRESSURE DROP
DHW	DOMESTIC HOT WATER	PVI	POST INDICATOR VALVE
DIA	DIAMETER	PLBG	PLUMBING
DN	DOWN	PRESS	PRESSURE
DW	DISTILLED WATER	PRV	PRESSURE REDUCING VALVE
EA	EACH	PSI	POUNDS PER SQUARE INCH
EAT	ENTERING AIR TEMPERATURE	PSIG	POUNDS PER SQUARE INCH GAUGE
ELEC	ELECTRICAL	PWR	POWER
EQUIP	EQUIPMENT	R	DUCT RISER
EWC	ELECTRIC WATER COOLER	R/A	RETURN AIR
EWT	ENTERING WATER TEMPERATURE	RCP	RADIANT CEILING PANEL
E/A	EXHAUST AIR	RD	ROOF DRAIN
EXIST	EXISTING	ROO	ROOF DRAIN OVERFLOW
F	DEGREES FAHRENHEIT	REC	RECESSED
FCO	FLOOR CLEAN OUT	RED	REDUCER
FD	FLOOR DRAIN	RH	RELATIVE HUMIDITY
FD	FIRE DAMPER	R/LA	RELIEF AIR
FDV	FIRE DEPARTMENT VALVE	RM	ROOM
FL	FLOOR	RPM	REVOLUTIONS PER MINUTE
FO	FUEL OIL	R/W	RAIN WATER
FOV	FUEL OIL VENT	SF	SQUARE FOOT
FOR	FUEL OIL RETURN	SIA	SUPPLY AIR
FOS	FUEL OIL SUPPLY	SAN	SANITARY
FS	FEET PER MINUTE	SF	SQUARE FOOT
FS	FLOOR SINK	SD	SMOKE DAMPER
FT	FOOT/FEET	SM	SURFACE MOUNT
FTR	FIN TUBE RADIATION	SP	STANDPIPE
GAL	GALLON	SP	STATIC PRESSURE
GC	GENERAL CONTRACTOR	STM	STEAM
GPM	GALLONS PER MINUTE	T	THERMOSTAT
GW	GREASE WASTE	T	TRENCH DRAIN
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TEMP	TEMPERATURE
HTG	HEATING	TP	TYPICAL
HTR	HEATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
INCH	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LBHR	POUNDS PER HOUR	W	WASTE
LP	LOW PRESSURE	WB	WET BULB
LPG	LIQUEFIED PETROLEUM GAS	WCO	WALL CLEAN OUT
		WH	WALL HYDRANT



MECHANICAL SHEET INDEX

M000	MECHANICAL TITLE SHEET
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M013	LEVEL 3 THERMAL ZONE PLAN
MD101	LEVEL 1 MECHANICAL DEMOLITION PLAN
MD103	LEVEL 3 MECHANICAL DEMOLITION PLAN
M101	LEVEL 1 HVAC PLAN
M103	LEVEL 3 HVAC PLAN
MD111	LEVEL 1 MECHANICAL PIPING DEMOLITION PLAN
MD113	LEVEL 3 MECHANICAL PIPING DEMOLITION PLAN
M111	LEVEL 1 MECHANICAL PIPING PLAN
M113	LEVEL 3 MECHANICAL PIPING PLAN
M501	MECHANICAL DETAILS
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P000	PLUMBING TITLE SHEET
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MGD101	LEVEL 1 MEDICAL GAS DEMOLITION PLAN
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P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES
F001	FIRE PROTECTION TITLE SHEET
FD101	LEVEL 1 FIRE PROTECTION DEMOLITION PLAN
FD103	LEVEL 3 FIRE PROTECTION DEMOLITION PLAN
F101	LEVEL 1 FIRE PROTECTION PLAN
F103	LEVEL 3 FIRE PROTECTION PLAN

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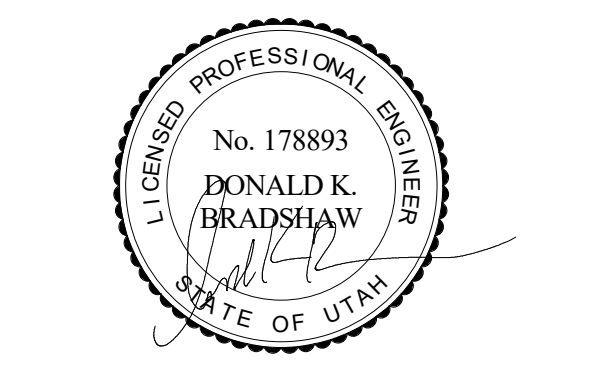
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ORIG SUBMISSION: 09/27/22
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M000
 MECHANICAL TITLE SHEET

FIRE PROTECTION GENERAL NOTES

- NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
- COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.
- PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, AND NFPA.
- THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.
- THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
- PROVIDE A COMPLETE WET TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
- DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
- ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
- THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
- AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
- SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
- ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. BRANCH LINE TO ENTER ROOM ABOVE DOOR.
- THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN IF THE EXISTING HYDRAULIC DEMAND IS INCREASED.

PLUMBING GENERAL NOTES

- UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: 1/8" PER FOOT. VERIFY ALL SLOPING WITH LOCAL CODES.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW.
- PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- ALL PIPING IN PLUMBING CHASES SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS.
- NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S.
- COORDINATE FAN ROOM FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.
- PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING IS APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT LOCATION AND SIZE OF ALL PIPING.
- REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS AND OTHER REQUIREMENTS.
- CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
- LOCATE ALL VENTS MINIMUM 25' AWAY FROM AIR INTAKES.
- INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
- INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
- MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
- COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
- COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
- SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
- HOSE BIBBS SHOWN AT LAVATORIES ARE TO BE MOUNTED AT AN ACCESSIBLE LOCATION UNDER THE LAVATORY.
- LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24" X 24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING. PROVIDE APPROPRIATELY SIZED ACCESS DOORS TO ANY OF THESE ITEMS INSTALLED IN A WALL. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
- FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION.
- FIELD VERIFY ALL NEW WATER, WASTE AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
- WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR TO BE 2" MINIMUM.
- INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED, ACCORDING TO THE FOLLOWING.
 - SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED.
 - LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING.
 - LOCATE AT THE BASE OF EACH VERTICAL STACK.

MEDICAL GAS GENERAL NOTES

- MEDICAL GAS PIPING IS TO BE RUN ABOVE THE CEILING, UNLESS NOTED OTHERWISE.
- MEDICAL GAS PIPING IS SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES.
- MOUNT ALL SERVICE VALVES NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- ALL SERVICE VALVES SHALL BE LOCKABLE. PROVIDE FRANGIBLE LOCK FOR ALL SERVICE VALVES.
- ALL ZONE VALVE BOXES REQUIRE SOURCE AIR FROM LEFT SIDE AND CONTROLLED AIR FROM RIGHT SIDE.

MECHANICAL GENERAL NOTES

- COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
- SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
- BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
- COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFFTEST SWITCH AT EACH LOCATION.
- PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
- INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
- DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER AND ADJUST SHEET METAL DIMENSION.
- PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
- PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK. PROVIDE BALANCING DAMPERS AT EACH BRANCH TAKE OFF TO SERVE DIFFUSER OR GRILLE AS WELL AS WHERE INDICATED.
- PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
- WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
- AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK, CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
- ALL VAV BOXES TO HAVE REHEAT COILS. EXCEPT AS NOTED, PROVIDE EQUIPMENT TAG TO MATCH SCHEDULE. PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
- PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MINIMUM 24" X 24".
- FLEX DUCT IS REQUIRED FOR ALL DIFFUSERS AND GRILLES INSTALLED IN LAY-IN CEILINGS. FOR DIFFUSERS AND GRILLES IN HARD LID CEILINGS, THE DUCTWORK SHALL BE EXTENDED ALL THE WAY TO THE DIFFUSER AND SHALL BE CONNECTED WITH A HARD CONNECTION OR A FLEX DUCT CONNECTION WITH A MUD RING AND LAY-IN DIFFUSER AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24" X 24" ACCESS DOOR.
- SUPPLY AND RETURN PIPING TO COILS ARE THE SAME SIZE.
- CONTRACTOR SHALL LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 5'-0" AFF. A MINIMUM OF 8" FROM LIGHT SWITCH, UNLESS OTHERWISE NOTED ON THE ARCHITECT'S ELEVATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
- REFER TO MECHANICAL PIPING OR ZONING DRAWINGS FOR THERMOSTAT AND TEMPERATURE SENSOR LOCATIONS.
- CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPE SHALL BE TYPE "L" COPPER UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
- PROVIDE A 4" HOUSEKEEPING PAD FOR EACH PIECE OF MECHANICAL EQUIPMENT THAT IS FLOOR MOUNTED. COORDINATE SIZES WITH MECHANICAL EQUIPMENT SELECTED.
- ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK SHALL BE RATED FOR PRESSURE CLASS OF 2" W.G. UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
- THIS CONTRACTOR SHALL BE REQUIRED TO REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO THE FINAL PUNCH.

MECHANICAL PIPING GENERAL NOTES

- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- UNLESS OTHERWISE NOTED: ALL MECHANICAL PIPING IS OVERHEAD TO RUN ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE.
- INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE.
- ALL VALVES SHALL BE INSTALLED SO THAT VALVES REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED.
- PROVIDE AIR VENT AT HIGH POINT OF EACH DROP IN THE HEATING AND CHILLED WATER PIPING SYSTEM.
- ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION AND TAGGED.
- PROVIDE ISOLATION VALVES AT EACH EXIST/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
- COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL PLANS OR SPECIFICATIONS.

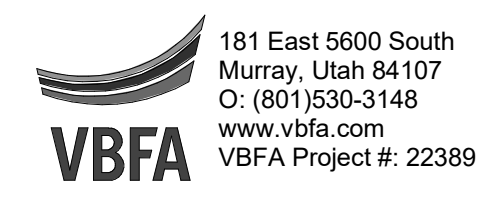
PROJECT GENERAL NOTES

- THE PROJECT GENERAL NOTES APPLY TO ALL DISCIPLINES.
- REMOVE ALL UNUSED PIPING, DUCTWORK, EQUIPMENT, AND ACCESSORIES.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN THE TENANT SPACE AND WITHIN CLOSE PROXIMITY TO THE TENANT SPACE. THE CONTRACTOR WILL FIELD VERIFY AS MUCH AS IS REASONABLE BEFORE THE FINAL BID. AFTER THE FINAL BID THE CONTRACTOR WILL NOTIFY THE OWNER, ARCHITECT, AND MECHANICAL DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT MAY AFFECT THE DESIGN.
- THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVERS AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES, AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- WHERE FLOOR DRAINS OCCUR WITH THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
- COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, EQUIPMENT, CEILINGS, ARCHITECTURAL COMPONENTS, AND ANYTHING ELSE PERTAINING TO THE PROJECT TO PREVENT CONFLICTS.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AND THOSE OF OTHER DISCIPLINES, INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
- COORDINATE INSTALLATION OF DUCTWORK, PIPING AND MECHANICAL EQUIPMENT WITH NEC CLEARANCES INCLUDING THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT. NO PIPING OR DUCTWORK TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S AND MCC'S. PROVIDE PANS IF REQUIRED UNDER PIPING.
- FIRE SEAL AROUND DUCT AND PIPING PENETRATIONS OF FIRE RATED WALLS. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. REFER TO SPECIFICATION.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- TRANSITION PIPING AND DUCTWORK SIZES TO MATCH THE SIZE OF EQUIPMENT CONNECTION.
- REFER TO PLUMBING SERIES DRAWINGS FOR GAS PIPING.
- ALL PIPE AND DUCT SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
- FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
- INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
- LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD, INCLUDING, BUT NOT LIMITED TO, OFFSETS AND TRANSITIONS. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS TO AVOID INTERFERENCE IN THE FIELD.
- THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
- DETAILS REFERENCE ALL SHEETS.
- INSTALL ALL PIPING AND DUCTWORK WITHOUT FORCING OR SPRINGING.
- ROUTE DOMESTIC WATER, FIRE PROTECTION, SANITARY WASTE, ROOF DRAIN, CAMPUS CHILLED OR HOT WATER, AND ANY OTHER UTILITY SERVICES TO SITE UTILITIES 5'-0" FROM BUILDING UNLESS NOTED OTHERWISE. REFER TO CIVIL PLANS.
- LOCATE VALVING, ACCESSORIES, AND EQUIPMENT IN ACCESSIBLE LOCATIONS. WHERE LOCATED ABOVE HARD CEILING PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24" X 24". COORDINATE EXACT LOCATION AND STYLE WITH ARCHITECT. EQUIPMENT SHALL BE LOCATED IN THE CEILING CAVITY SO IT CAN BE SAFELY SERVICED FROM SOMEONE STAND ON A LADDER PLACED BELOW THE CEILING ACCESS.
- WHERE VALVING, ACCESSORIES, OR EQUIPMENT IS LOCATED IN A WALL, PROVIDE AN APPROPRIATELY SIZED ACCESS DOOR. COORDINATE ACCESS DOOR SIZE, LOCATION, AND STYLE WITH ARCHITECT.
- CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL CEILING TILES WHERE VALVES ARE LOCATED.

*** NOTE ***

ALL OF THE GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.

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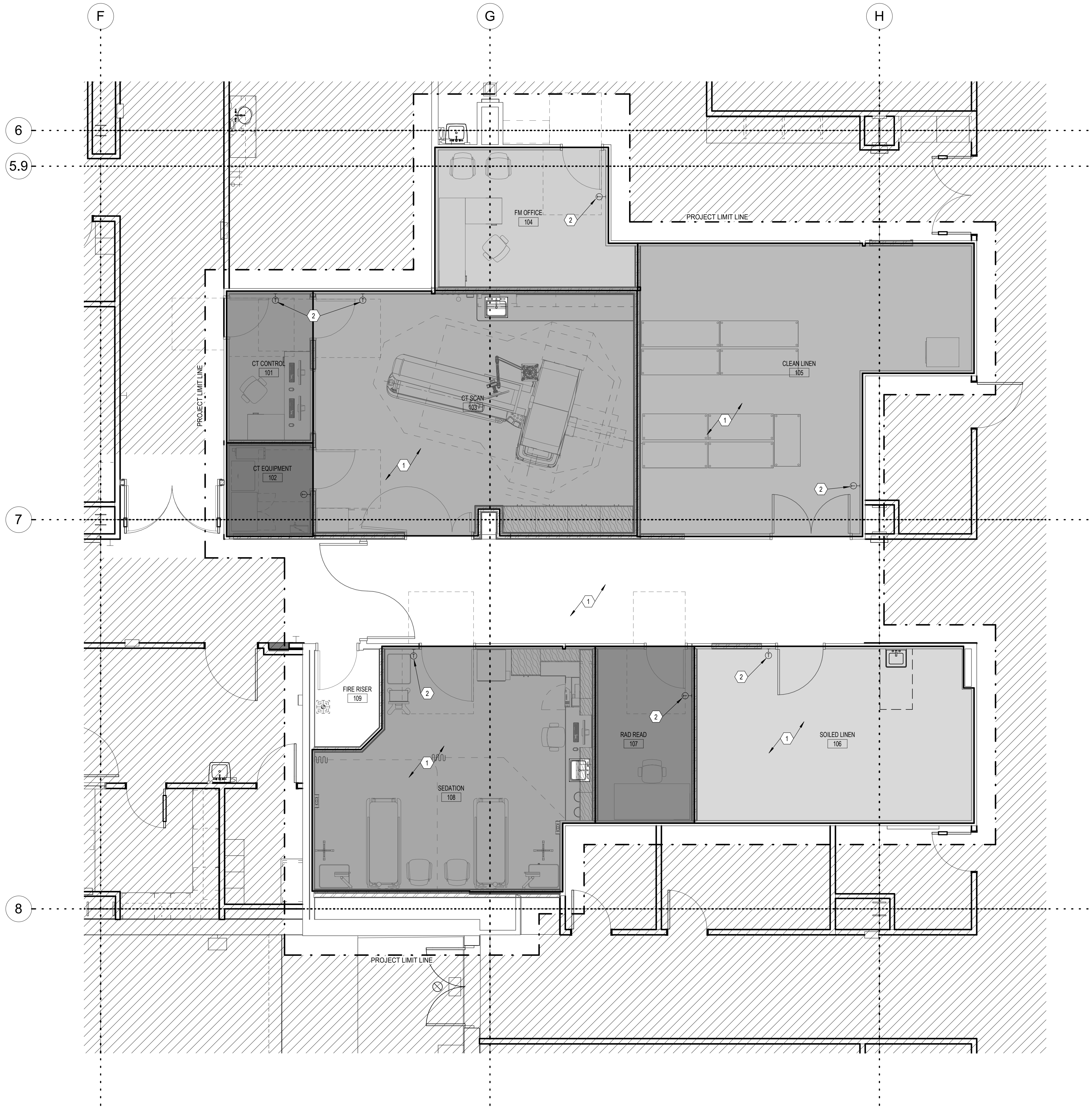
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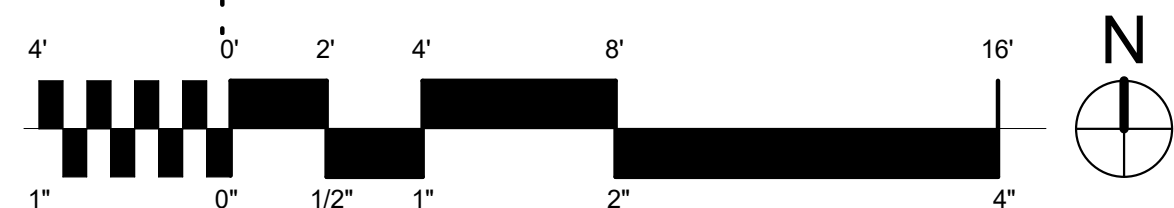
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SHEET TITLE AND NUMBER:
M001
 MECHANICAL GENERAL NOTES

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- KEYNOTES**
- 1 SHADED AREAS INDICATE INDIVIDUAL THERMAL ZONES, TYPICAL.
 - 2 THERMOSTAT LOCATION TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS, TYPICAL.



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KEY PLAN
 LEVEL 1

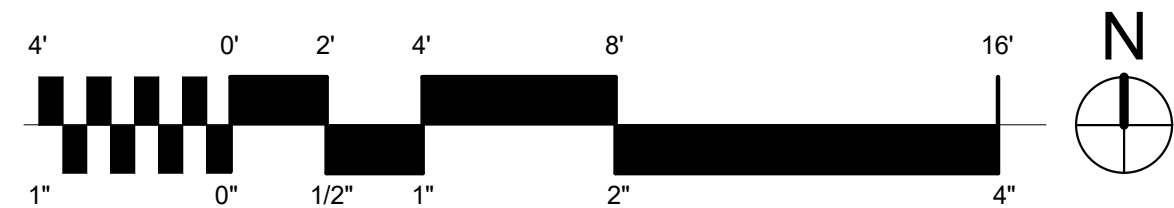
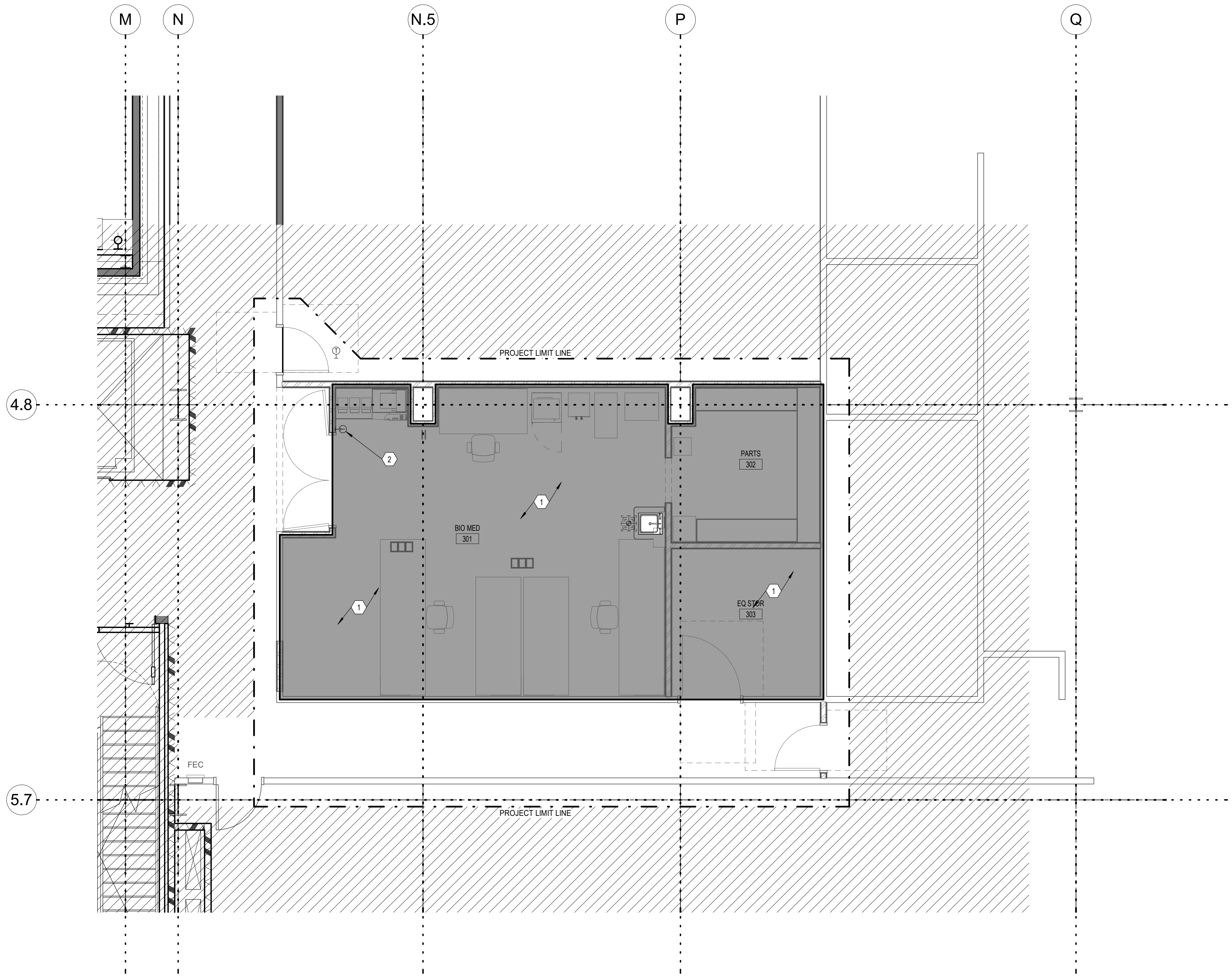
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 DONALD K. BRADSHAW
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M011
 LEVEL 1 THERMAL ZONE PLAN

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- KEYNOTES**
- 1 SHADED AREAS INDICATE INDIVIDUAL THERMAL ZONES. TYPICAL.
 - 2 THERMOSTAT LOCATION TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS. TYPICAL.



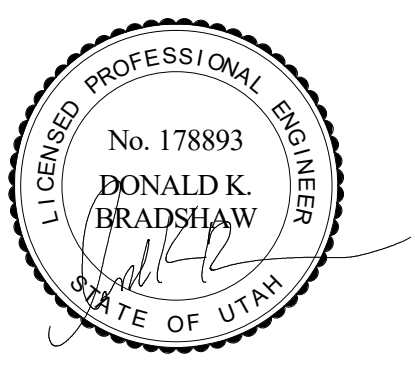
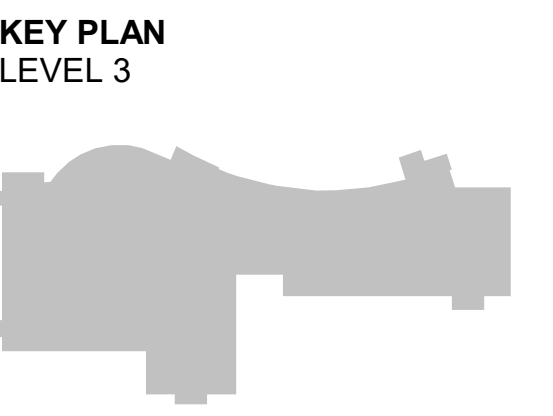
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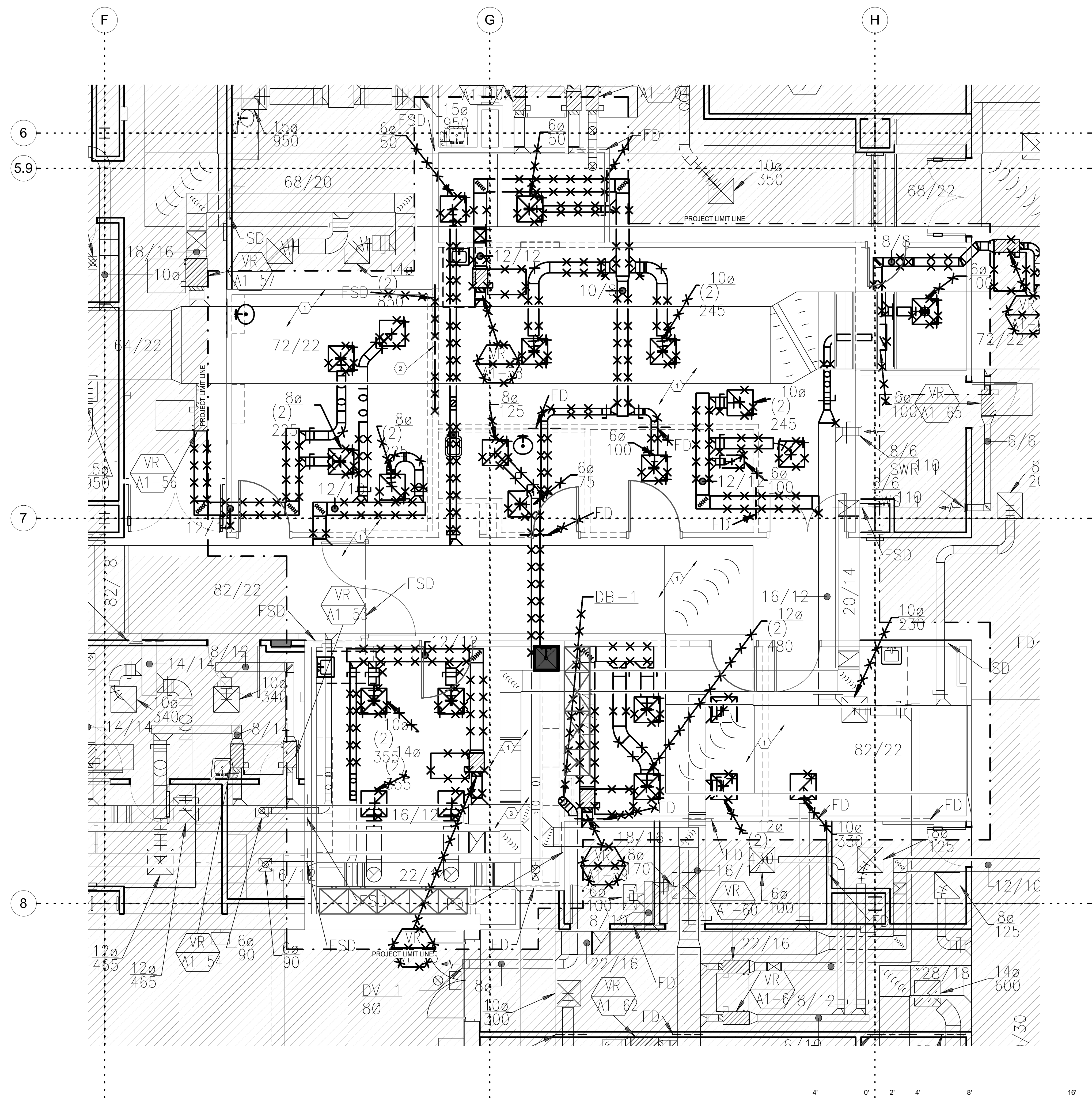


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M013
 LEVEL 3 THERMAL ZONE PLAN

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- KEYNOTES**
- 1 ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN. ITEMS CROSSED OUT TO BE REMOVED. FIELD VERIFY EXISTING CONDITIONS. DUCT OPENINGS REMAINING THAT ARE NOT REUSED TO BE CAPPED. TYPICAL.
 - 2 REMOVE EXISTING FIRE AND SMOKE DAMPER. SALVAGE DAMPER TO BE REUSED IN A NEW LOCATION.
 - 3 REMOVE EXISTING NATURAL GAS BRANCH LINE THAT IS CONNECTED TO EXISTING DRYER BACK TO THE MAIN LINE.

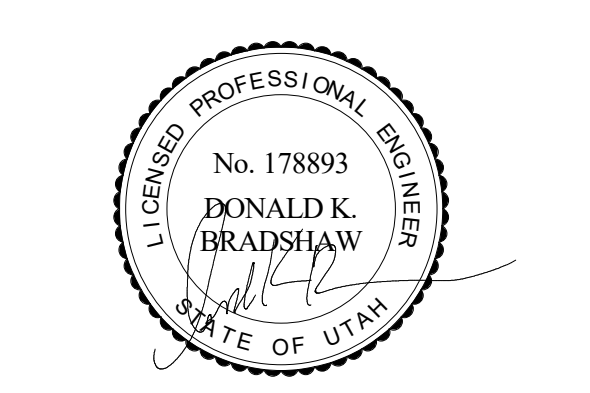
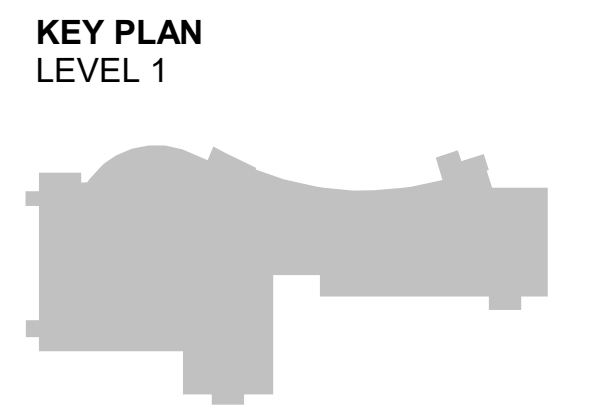
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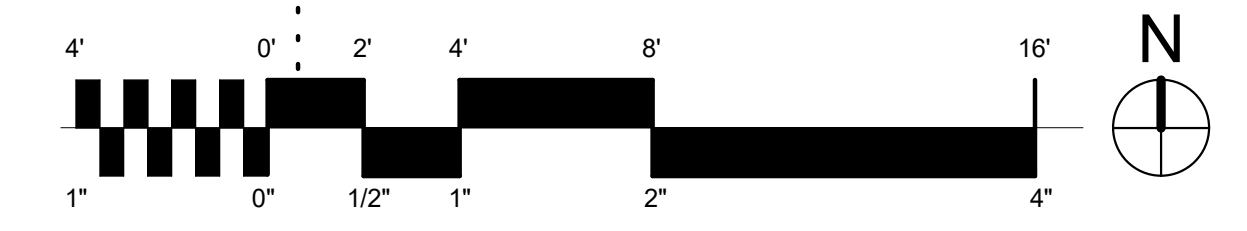
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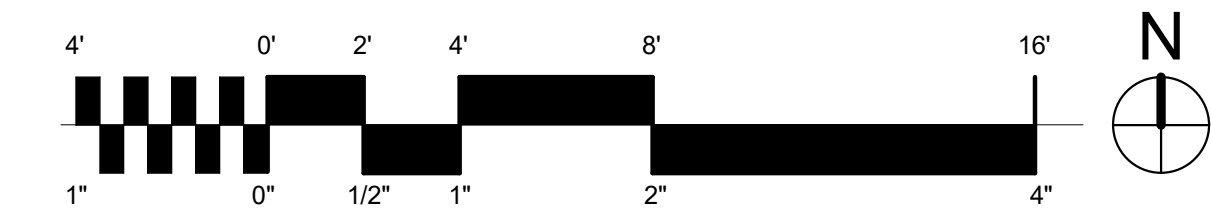
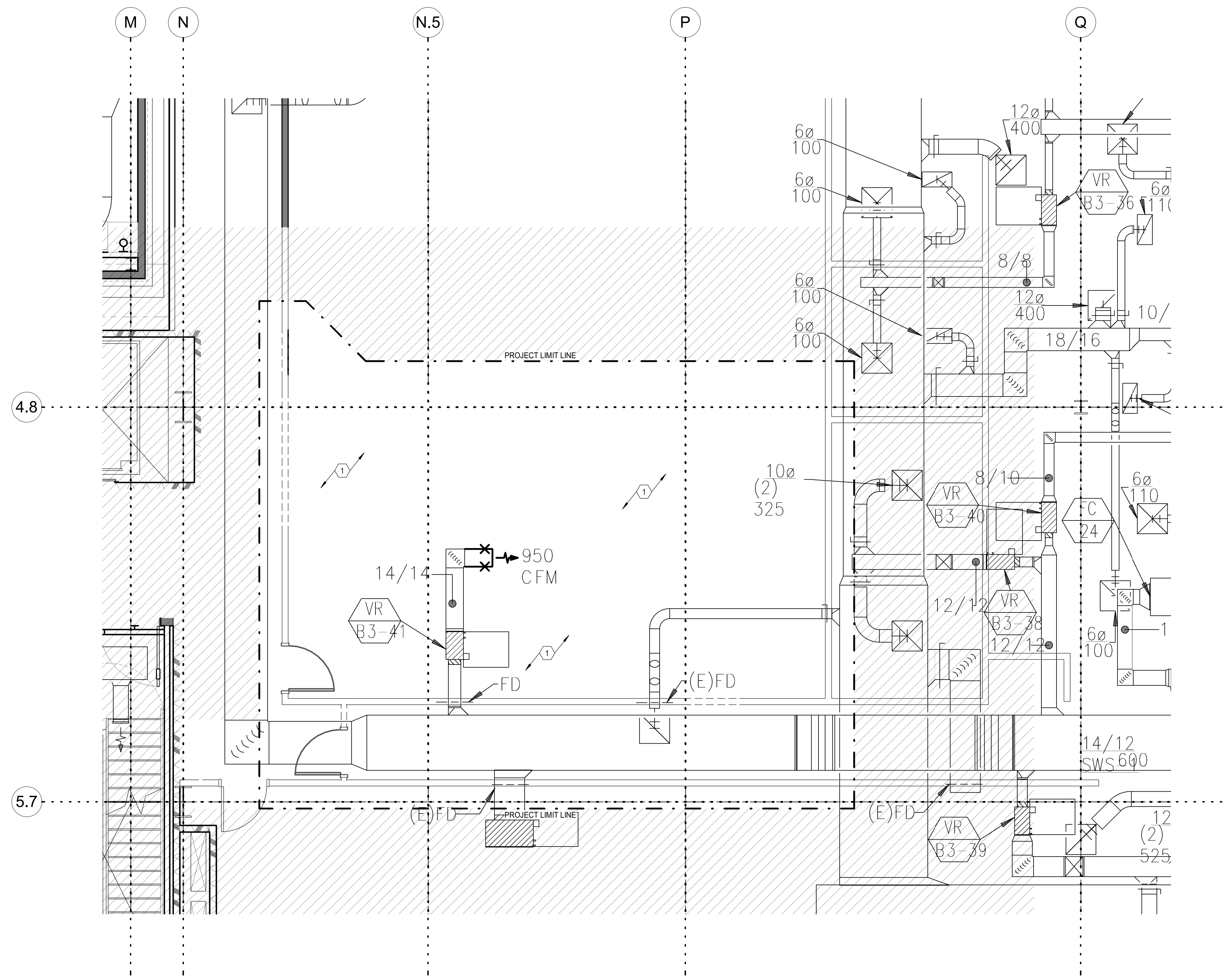
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MD101
 LEVEL 1 MECHANICAL
 DEMOLITION PLAN



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KEYNOTES
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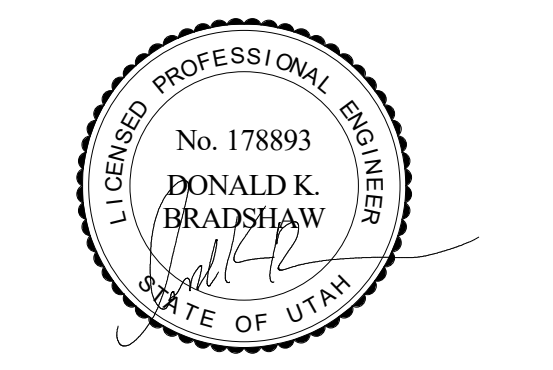
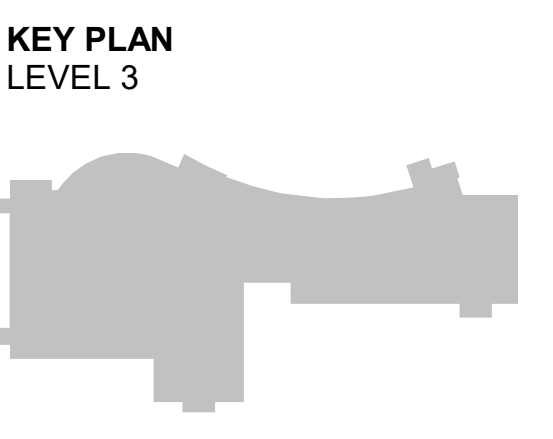
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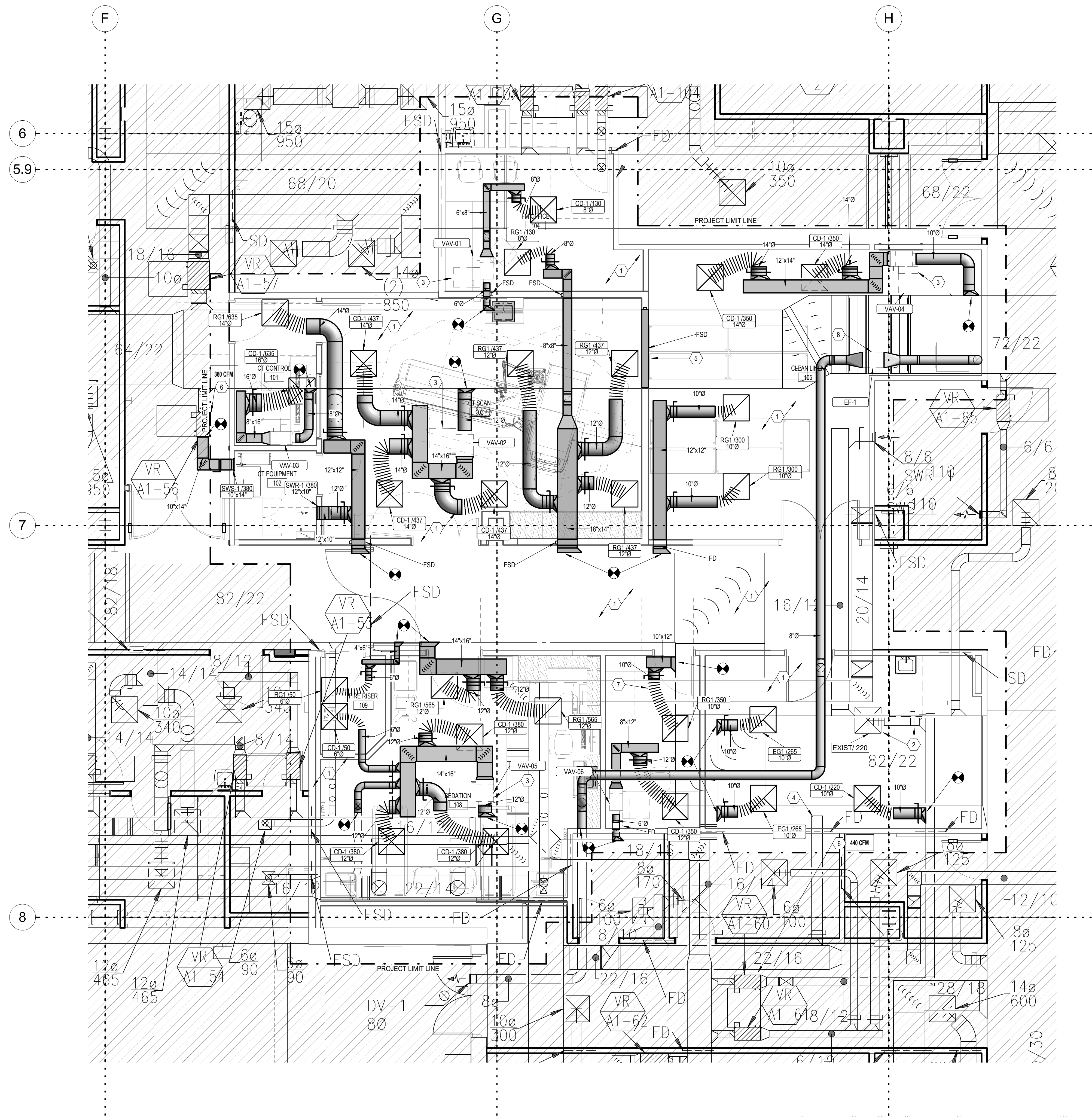


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MD103
 LEVEL 3 MECHANICAL
 DEMOLITION PLAN

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- KEYNOTES**
- 1 CONTRACTORS TO COORDINATE FINAL LOCATION OF ALL DUCTWORK AND PIPING WITH EXISTING INSTALLATION. TYPICAL.
 - 2 RESIZE EXISTING DIFFUSERS/DAMPERS AND BALANCE TO CFM NOTED.
 - 3 SEE DETAILS FOR INSTALLATION AND CONFIGURATION OF VAV UNIT. TYPICAL.
 - 4 CAP OFF EXISTING EXHAUST DUCT.
 - 5 EXISTING FIRE AND SMOKE DAMPER THAT HAS BEEN SALVAGED AND RELOCATED.
 - 6 REUSE EXISTING VAV BOX FOR NEW SYSTEM AND REBRAND TO CFM SHOWN.
 - 7 RUN DUCT UNDERNEATH EXISTING.
 - 8 REMOVE EXISTING EXHAUST FAN AND REPLACE WITH NEW MODEL IN INDICATED LOCATION.

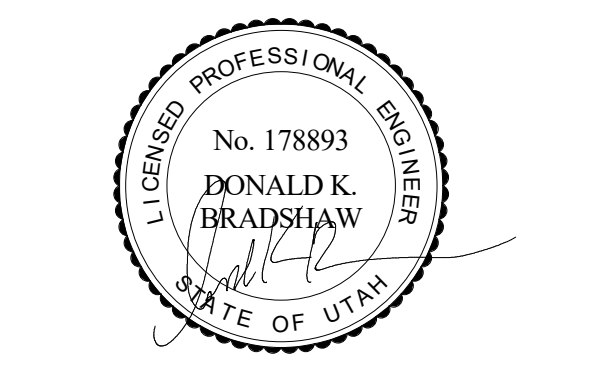
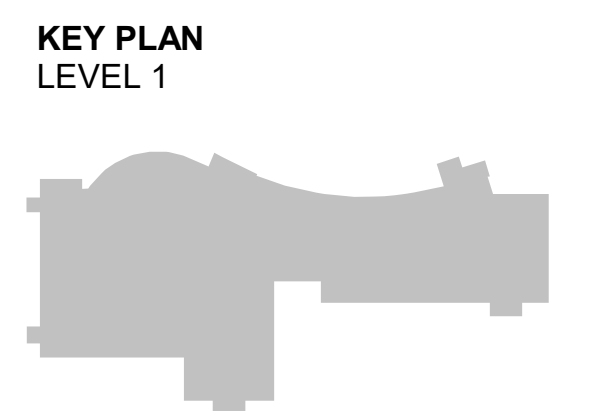
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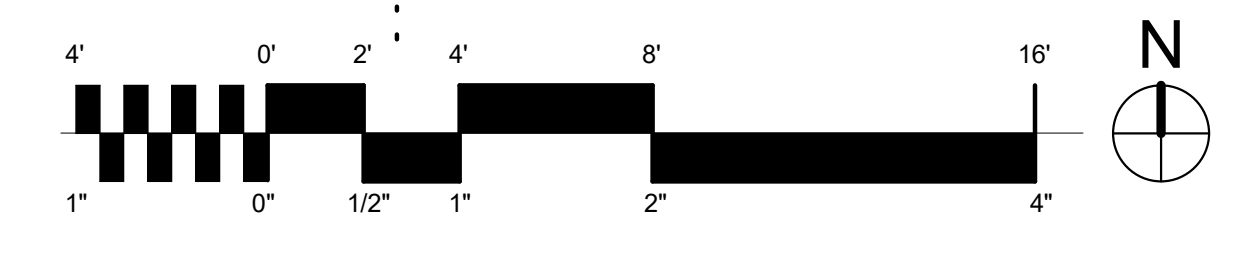
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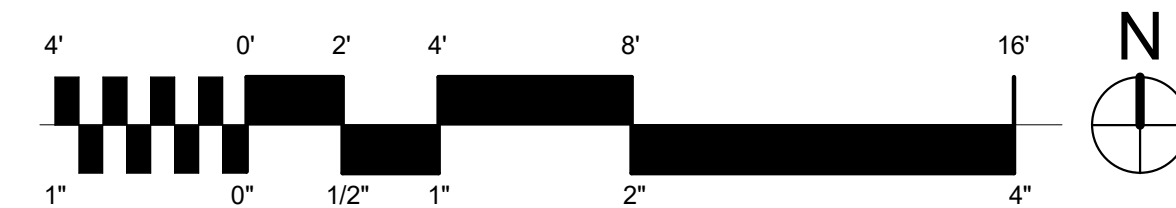
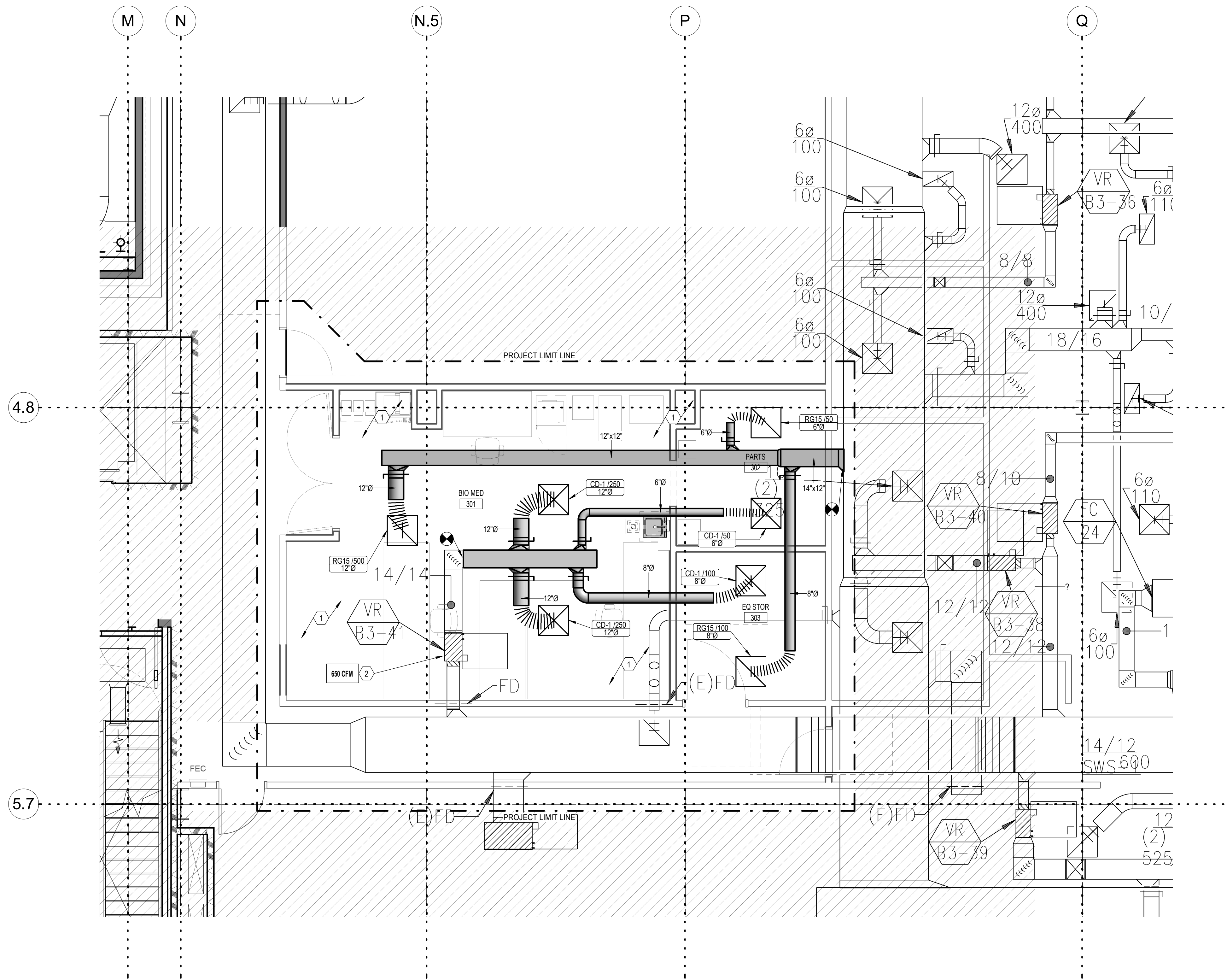
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M101
 LEVEL 1 HVAC PLAN



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- KEYNOTES**
- 1 CONTRACTORS TO COORDINATE FINAL LOCATION OF ALL DUCTWORK AND PIPING WITH EXISTING INSTALLATION. TYPICAL.
 - 2 REUSE EXISTING VAV BOX FOR NEW SYSTEM AND REBRAND TO CFM SHOWN.



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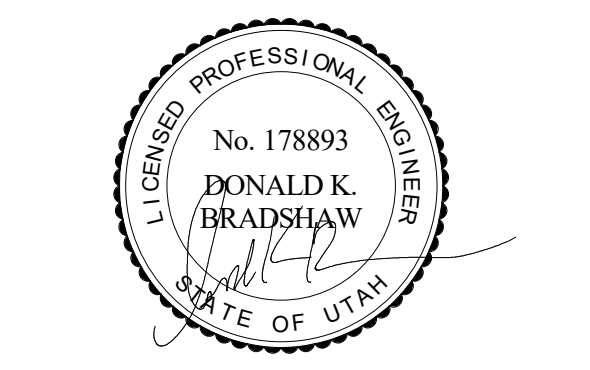
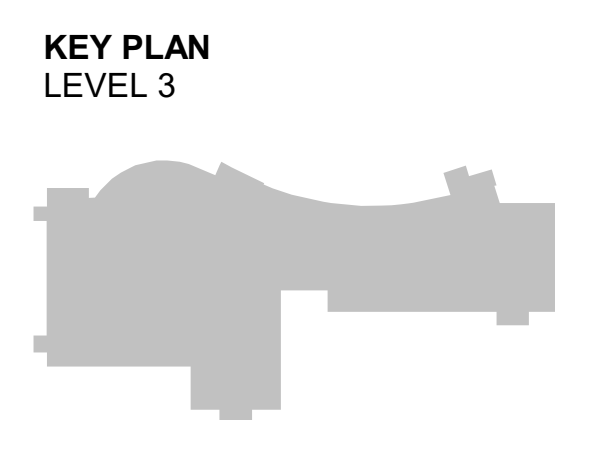
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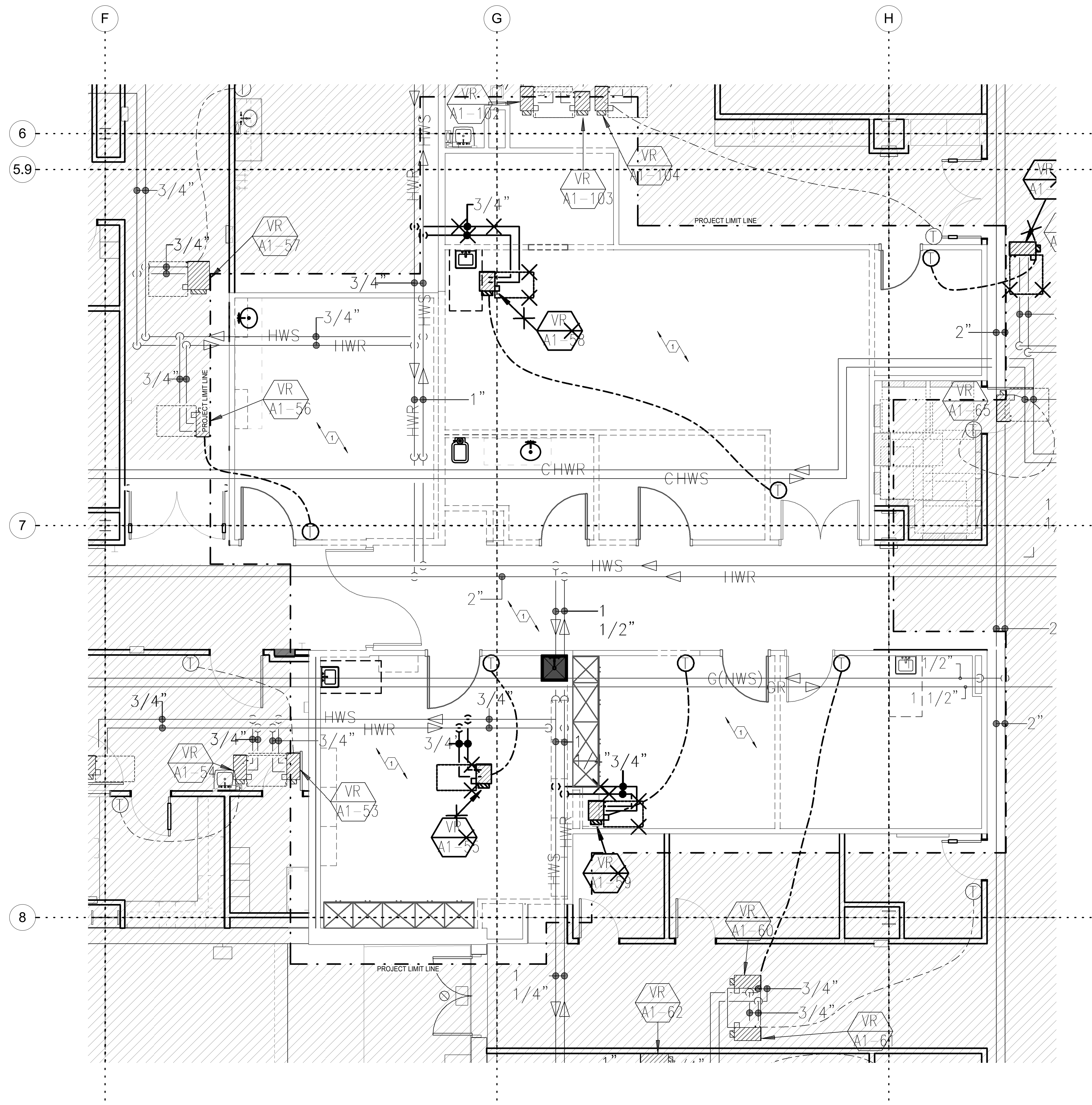
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SHEET TITLE AND NUMBER:
M103
 LEVEL 3 HVAC PLAN

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KEYNOTES
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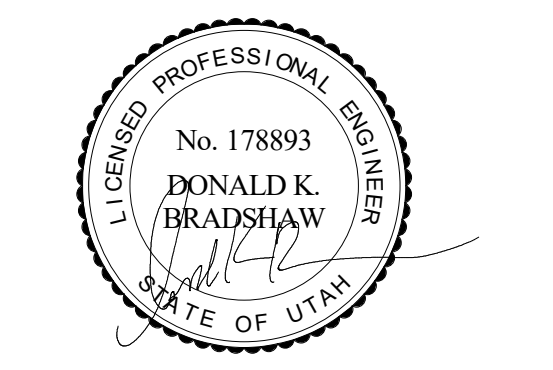
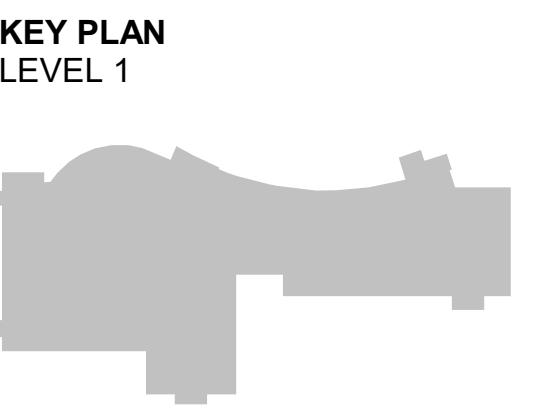
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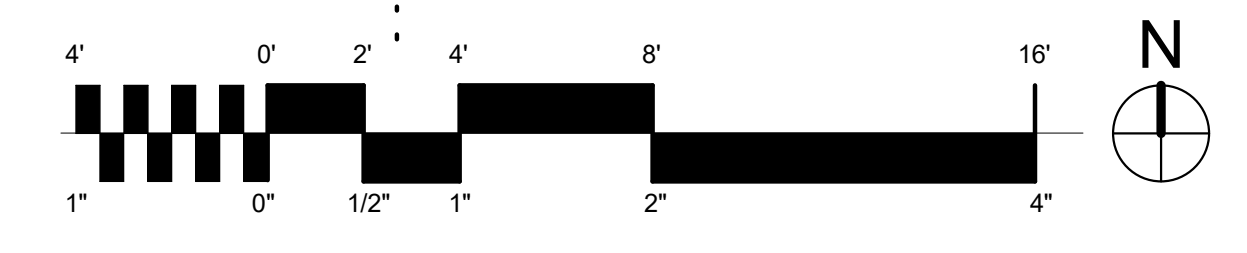
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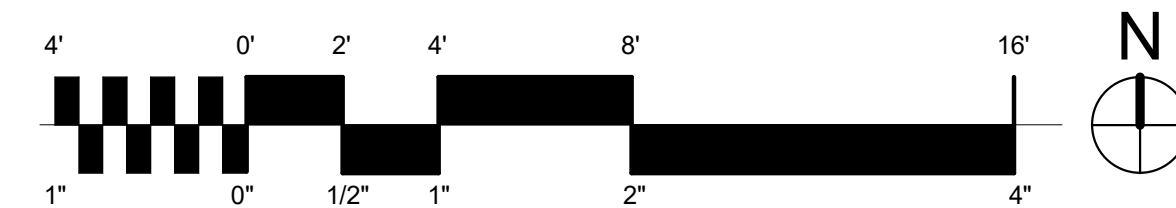
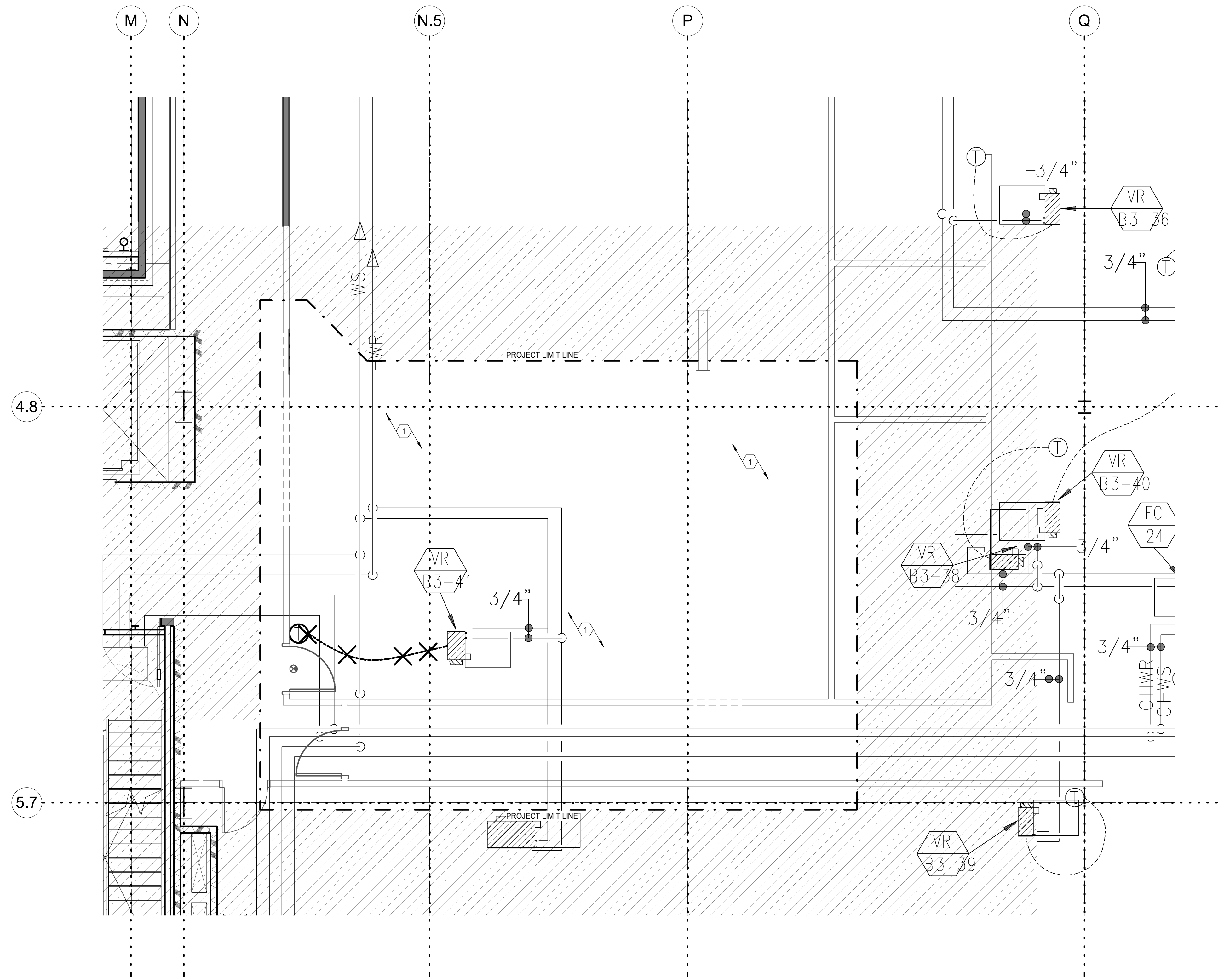
SHEET TITLE AND NUMBER:
MD111
 LEVEL 1 MECHANICAL PIPING DEMOLITION PLAN



PROJECT: 7022021

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KEYNOTES
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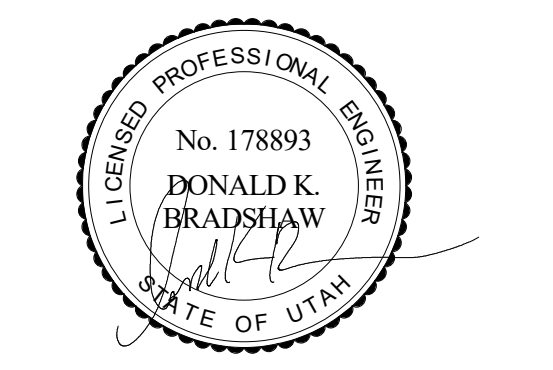
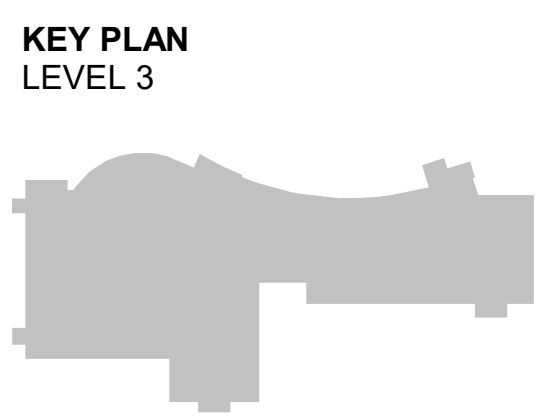
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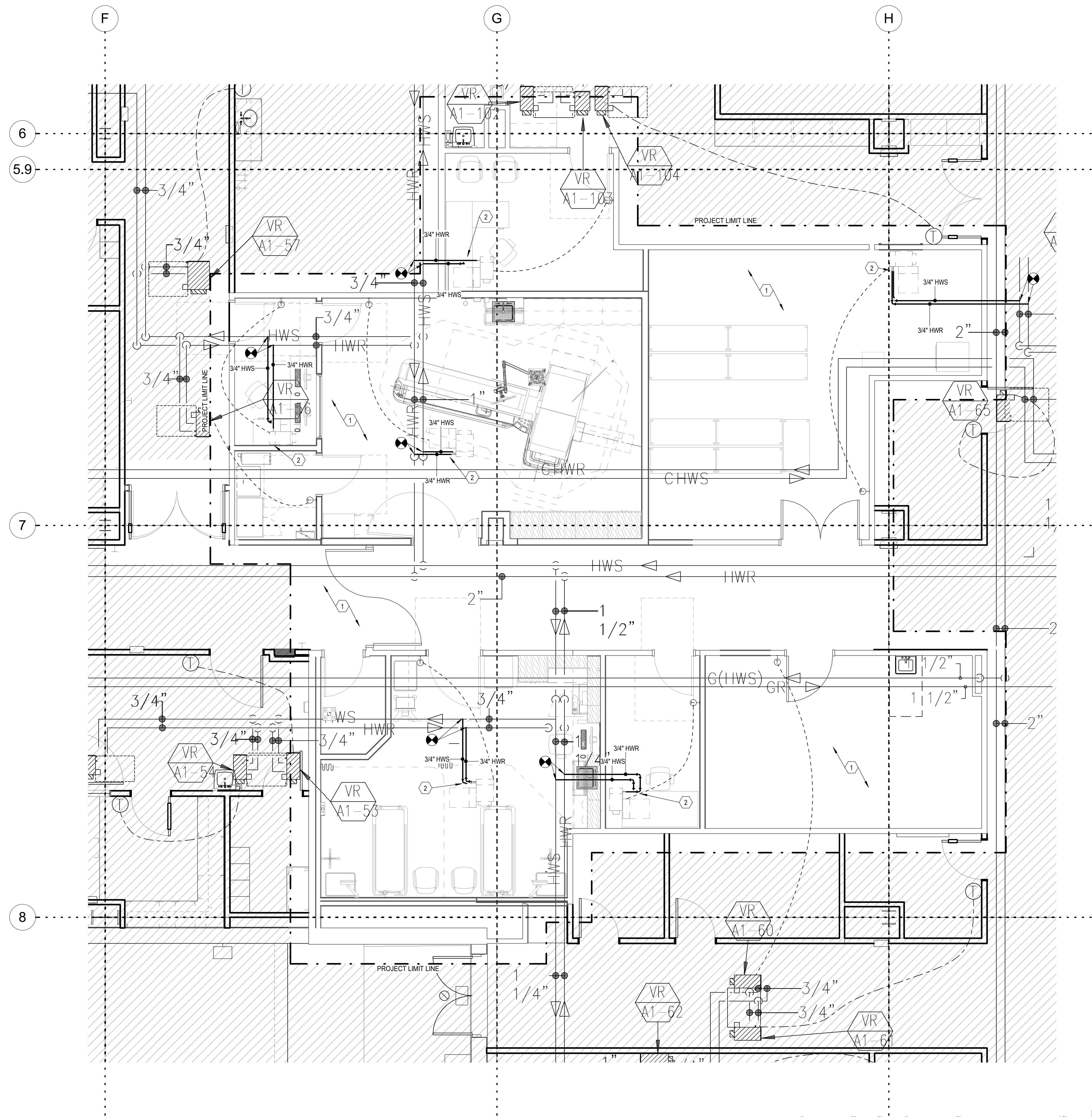


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SHEET TITLE AND NUMBER:
MD113
 LEVEL 3 MECHANICAL PIPING
 DEMOLITION PLAN

PROJECT: 7022021

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- KEYNOTES**
- 1 ITEMS SHOWN LIGHT EXISTING TO REMAIN. NEW WORK TO BE DONE IS SHOWN DARK
 - 2 ADD TWO-WAY CONTROL VALVES ON PIPING TO VAV BOXES. SEE DETAILS.

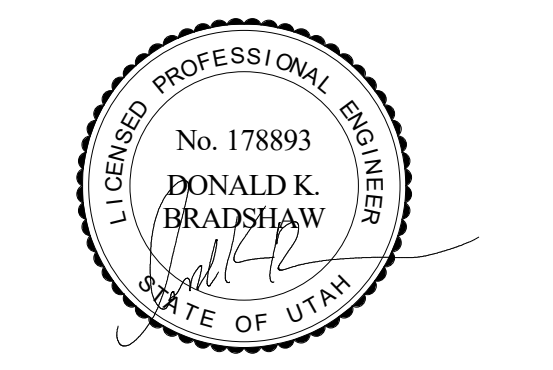
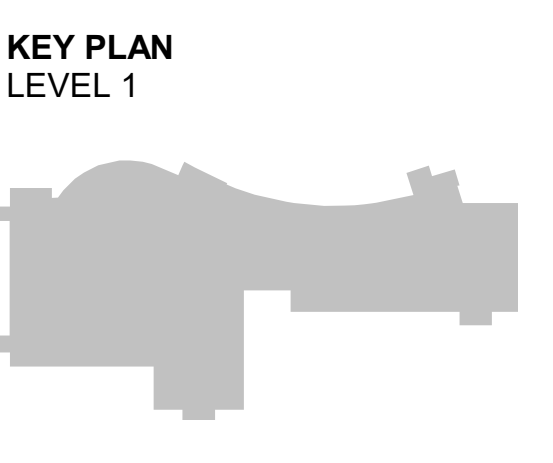
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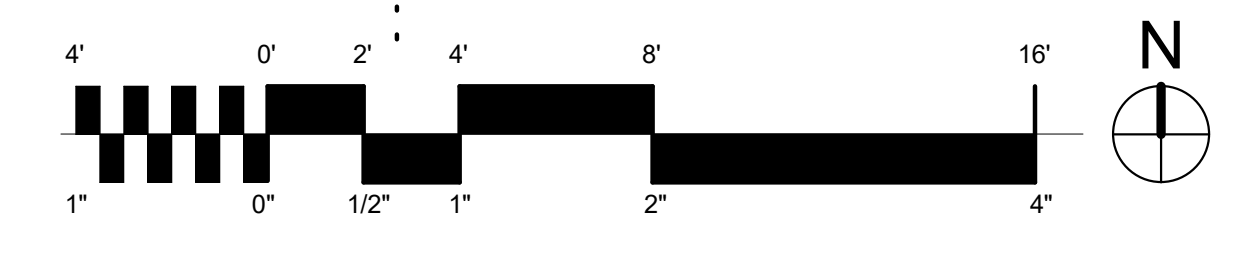
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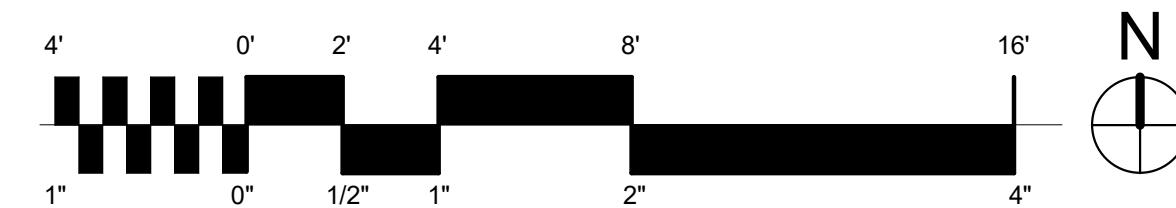
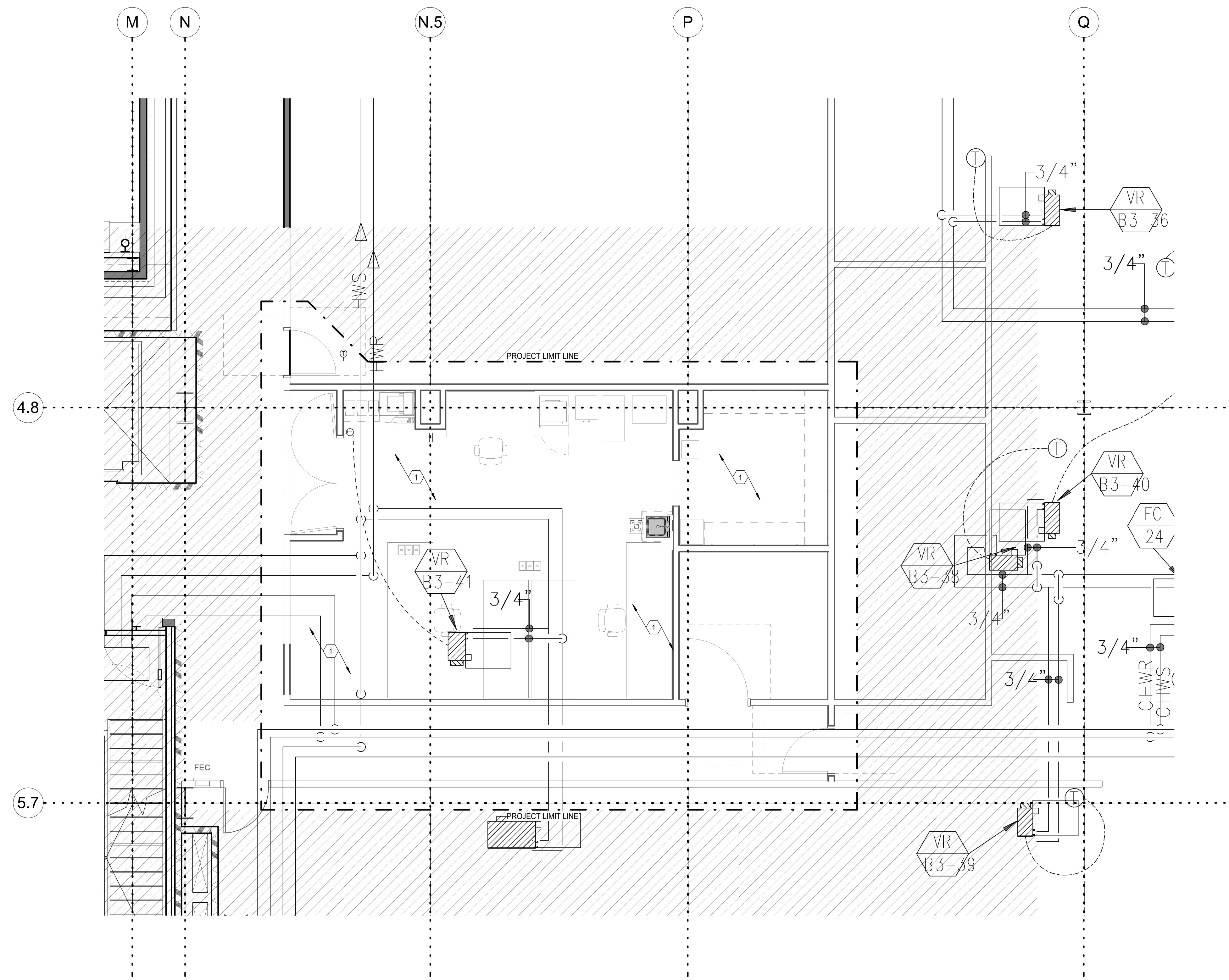
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KEYNOTES
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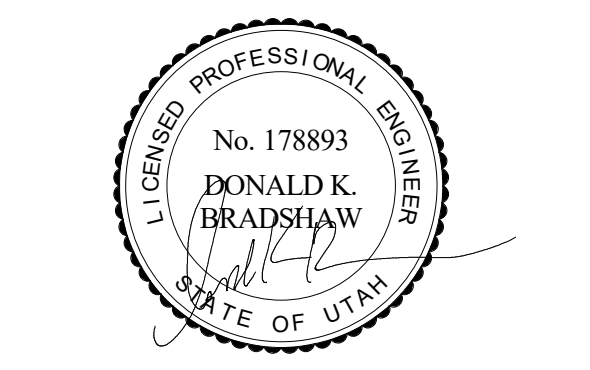
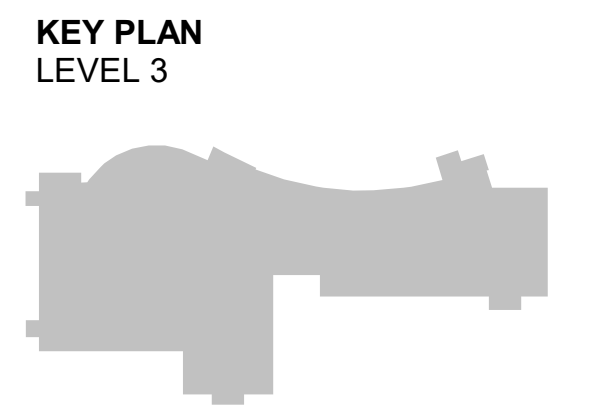
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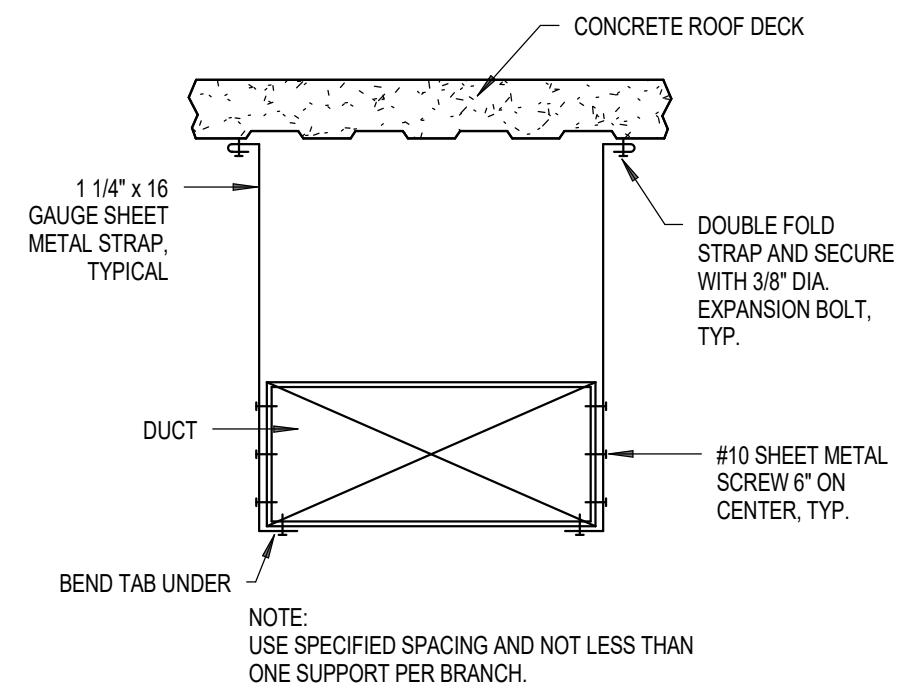
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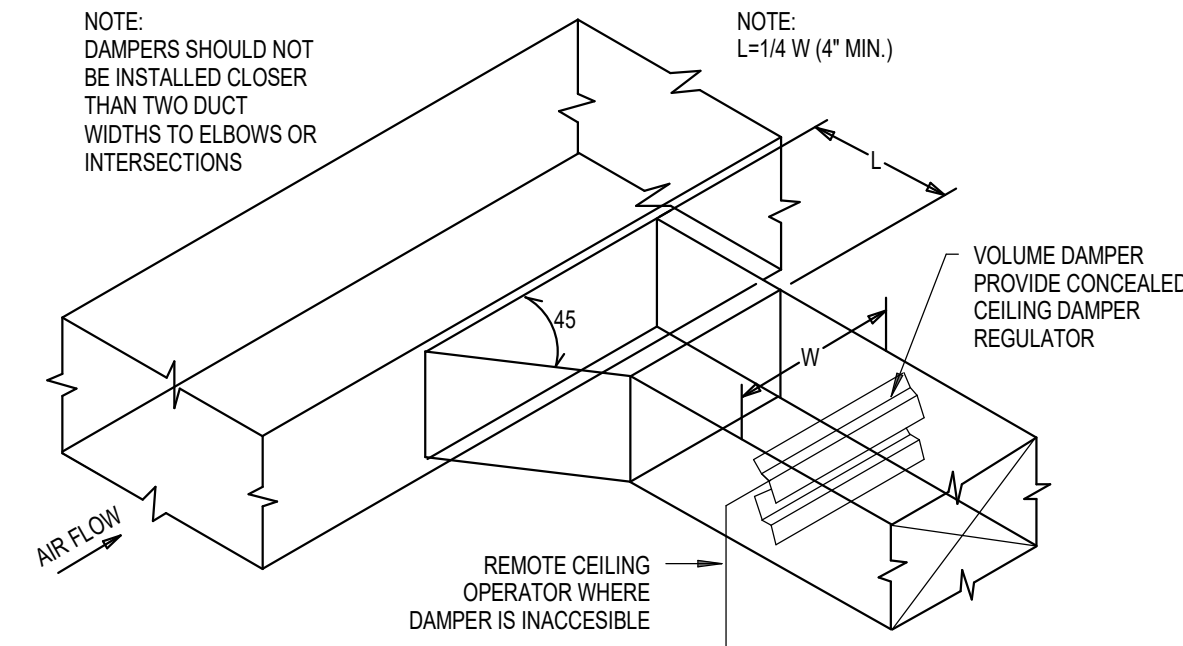
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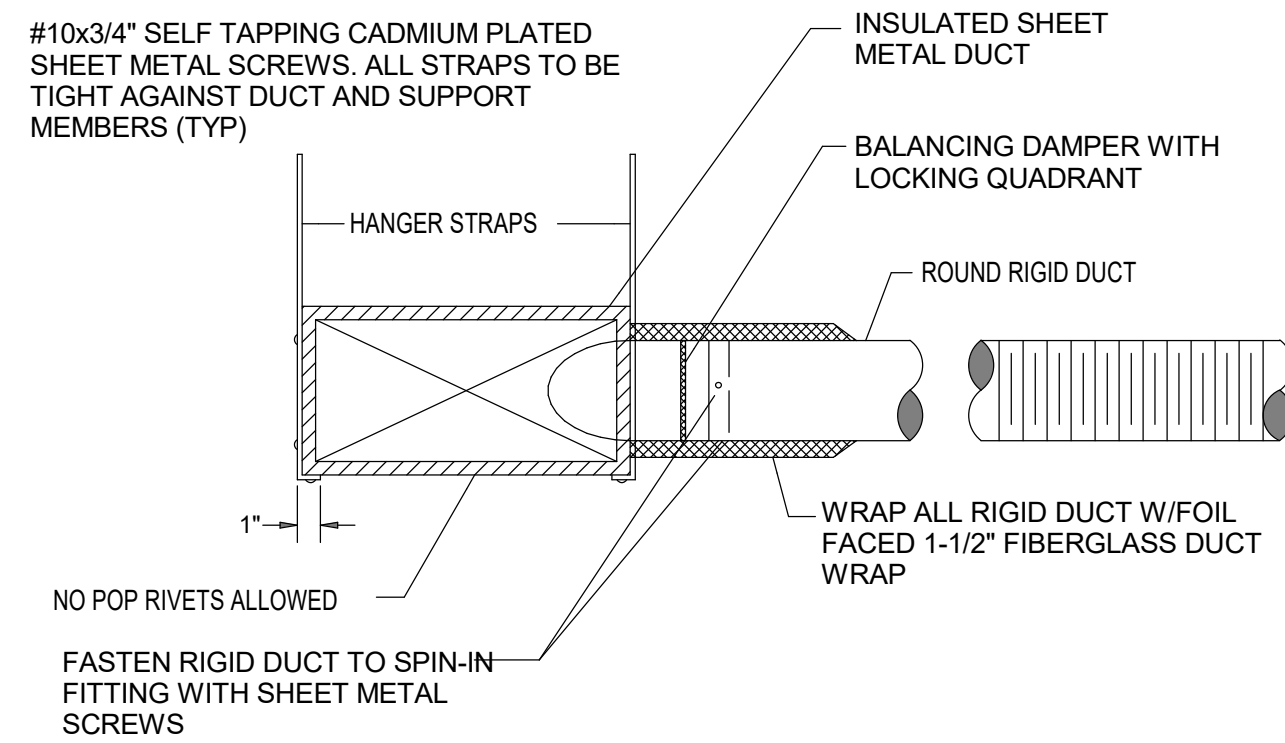
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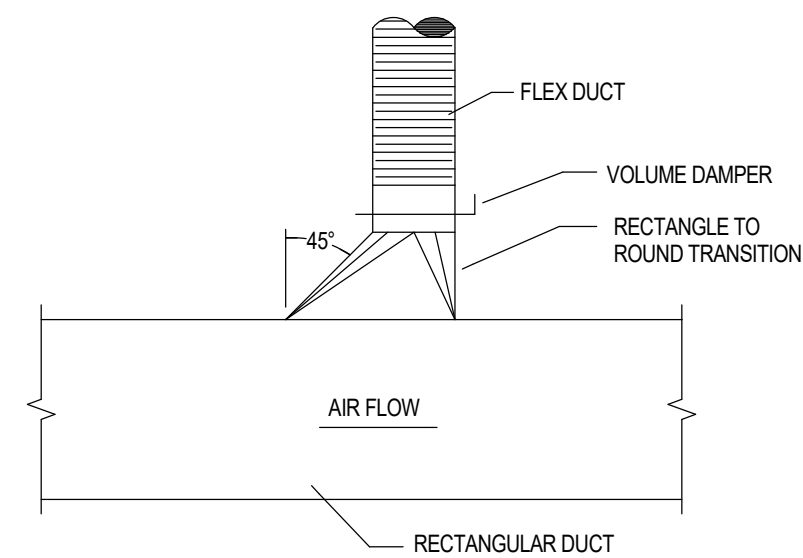
9 RECTANGULAR DUCT SUPPORT



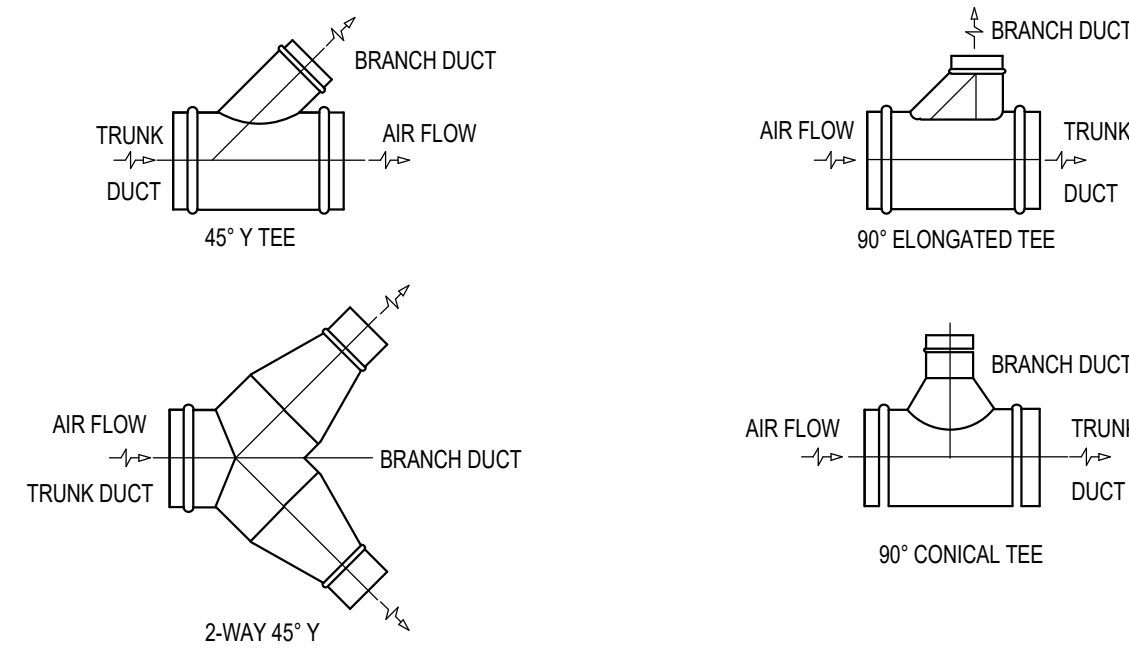
10 BRANCH DUCT TAKE-OFF & DAMPER DETAIL



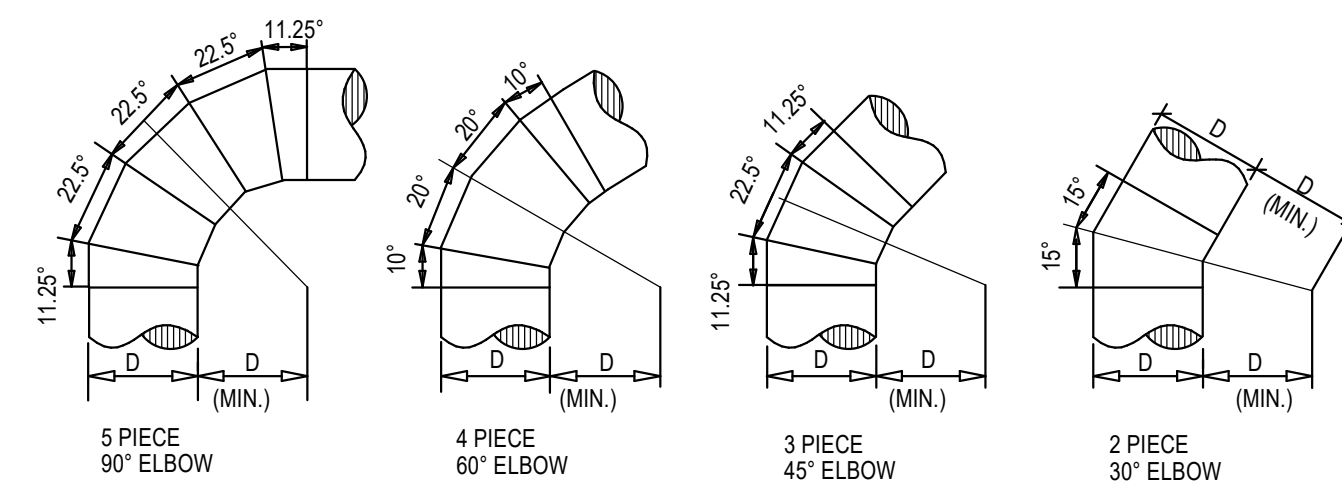
5 FLEX DUCT / SPIN-IN FITTING
 MH501 NO SCALE



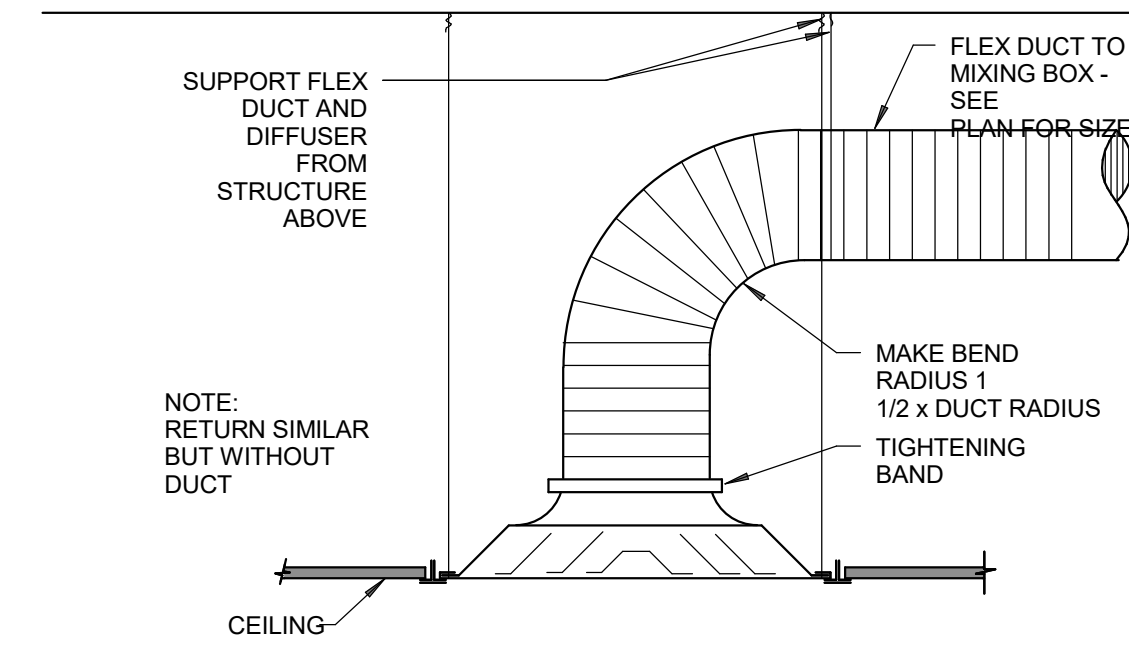
4 HIGH EFFICIENCY TAKE-OFF DETAIL
 MH501 NO SCALE



6 ROUND DUCT BRANCH TAKE-OFF DETAILS



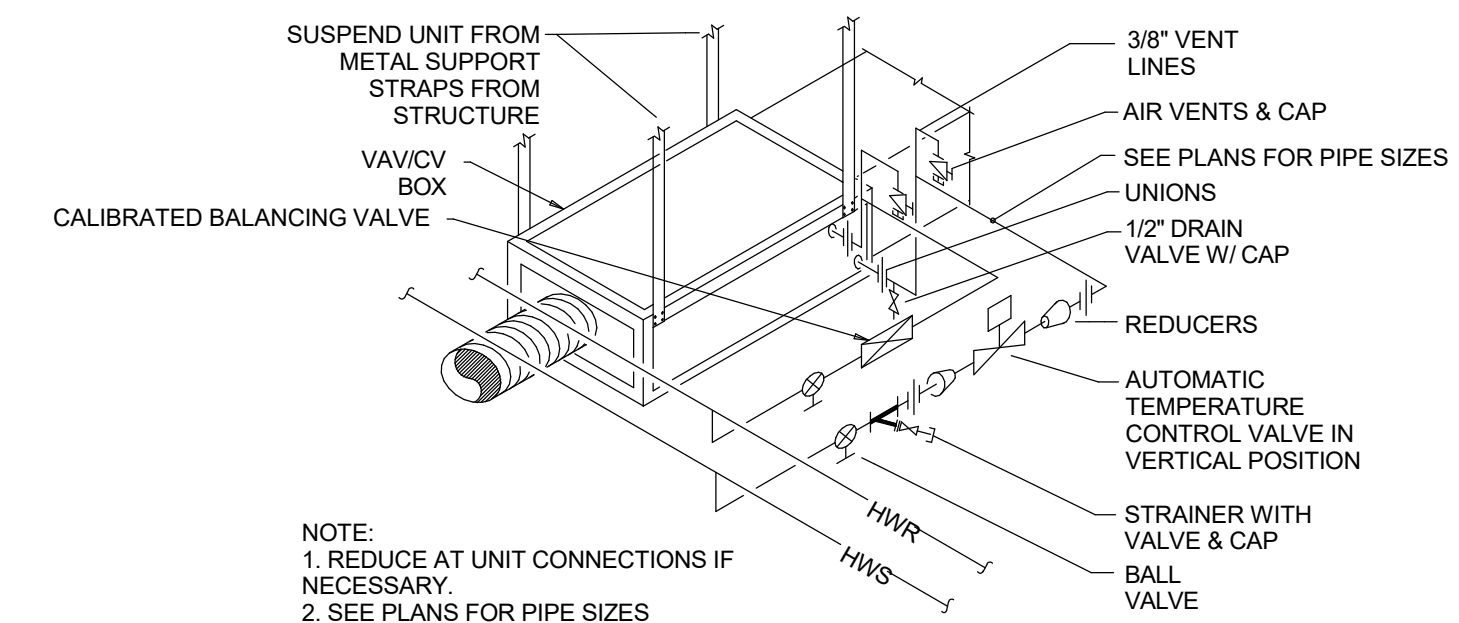
7 ROUND DUCT ELBOW DETAILS



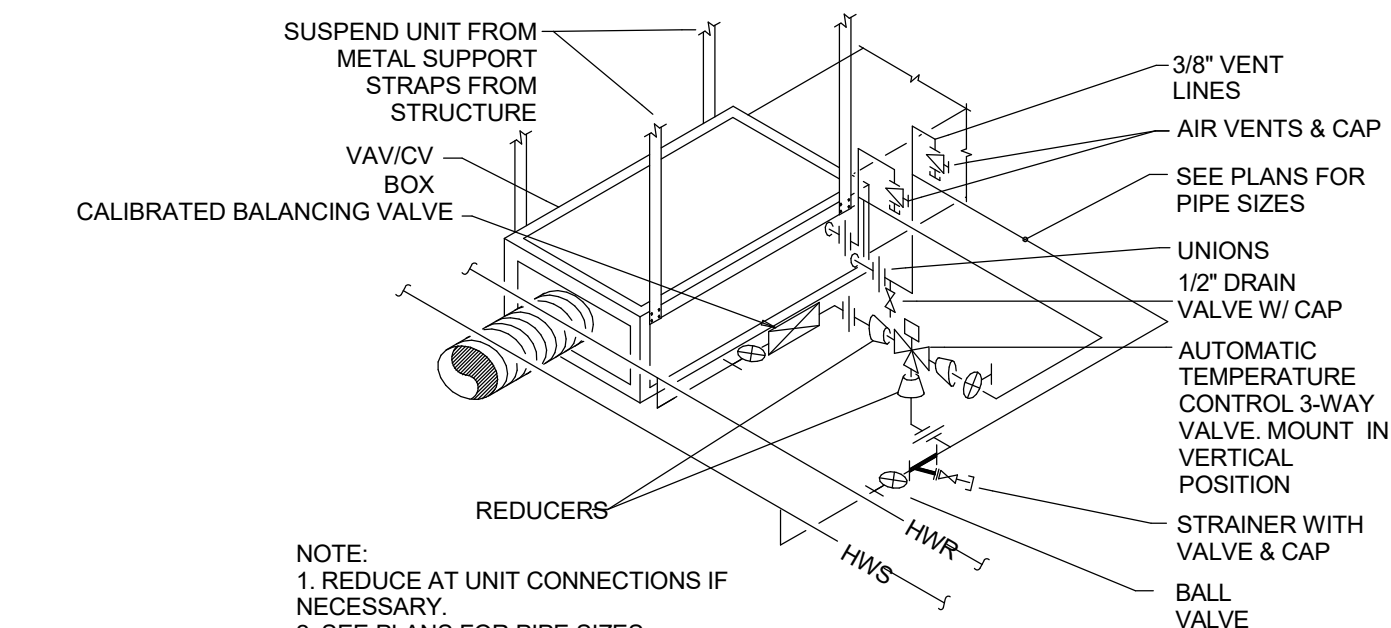
8 DIFFUSER CONNECTION DETAIL

M2.41 - FIRE AND SMOKE DAMPERS

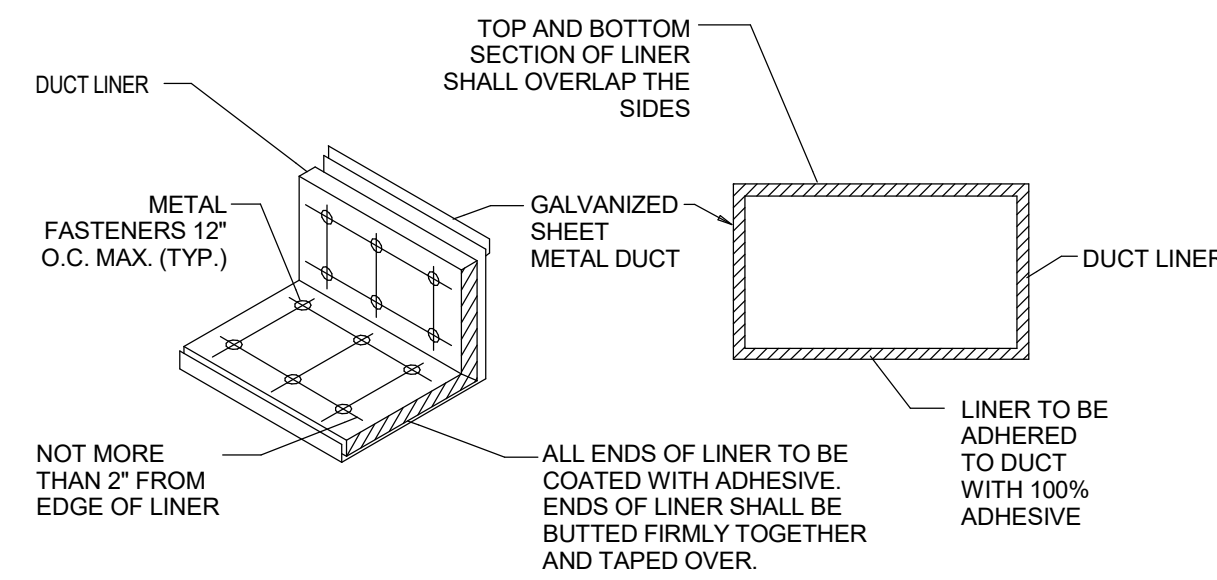
- A. FIRE/SMOKE DAMPERS SHALL BE RUSKIN FSD-36 MULTIBLADE, VENCO, LOUVERS AND DAMPERS, GREENHECK, C&S, SAFE AIR, NCA, OR AIR BALANCE, COMPLETE WITH BLADE LEVER ARM 120 VOLT, ELECTRIC DAMPER MOTOR, FUSIBLE AND BLADE RESET FUSIBLE LINK.
- B. FIRE/SMOKE DAMPERS SHALL BE INTERLOCKED TO THE FIRE DETECTION SYSTEM BY THE ELECTRICAL CONTRACTOR. DAMPER MOTORS SHALL BE CAPABLE OF CLOSING THE DAMPER AGAINST SYSTEM AIR PRESSURE WHEN THE FAN IS OPERATING. EACH DAMPER SHALL BE COMPLETE WITH DUCT CONNECTIONS FOR ROUND OR RECTANGULAR DUCTS. MINIMUM 1-1/2-FOOT BY 1-1/2-INCH 14-GAUGE MOUNTING ANGLES SHALL BE PROVIDED FOR ALL DAMPERS.
- C. DAMPER MOTORS, WHERE REQUIRED, ARE TO BE SUPPLIED AS AN INTEGRAL PART OF THE ASSEMBLY TO MEET UL RATING REQUIREMENTS. DAMPER INSTALLATION SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS.
- D. ACCESS OPENINGS SHALL BE PROVIDED AT EACH DAMPER FOR SERVICING THE DAMPER. THE OPENING OR OPENINGS SHALL BE OF SUFFICIENT SIZE AND LOCATION SO THAT THE DAMPER CAN BE EASILY INSPECTED AND SERVICED. A SHEET METAL-HINGED DOOR AND COVER SHALL BE PROVIDED AND INSTALLED IN EACH ACCESS OPENING. WHERE A DUCT IS INSULATED, THE COVER SHALL BE SO INSULATED.
- E. FIRE DAMPER AND FIRE SMOKE COMBINATION DAMPER MANUFACTURE INSTALLATION INSTRUCTIONS TO BE SUBMITTED AS A DEFERRED SUBMITTAL BY MECHANICAL CONTRACTOR.



1 VAV/ CV BOX PIPING DETAIL WITH 2-WAY AUTO-VALVE
 MH501 NO SCALE



2 VAV/ CV BOX PIPING DETAIL WITH 3-WAY AUTO-VALVE
 MH501 NO SCALE



3 DUCT LINER DETAIL
 MH501 NO SCALE

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DATE	DESCRIPTION

PROFESSIONAL ENGINEER
 No. 178893
DONALD K. BRADSHAW
 STATE OF UTAH

ORIG SUBMISSION: 09/27/22
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SHEET TITLE AND NUMBER:
M501
 MECHANICAL DETAILS

PROJECT: 7022021

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VAV BOX SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	INLET SIZE (IN)	AIR										FLUID (2)				COIL			REMARKS
			COOLING MAXIMUM AIR (5) (CFM)	HEATING MAXIMUM AIR (CFM)	MINIMUM AIR (3) (CFM)	ENTERING AIR TEMP. DB (DEG. F)	LEAVING AIR TEMP. DB (DEG. F)	S.P. LOSS AT MAX CFM (4) (IN H2O)	NC AT 1" H2O S.P. (1)	HEAT LOAD (MB)	TOTAL FLUID FLOW (GPM)	ENT. FLUID TEMP (DEG. F)	WORKING FLUID	MAX. FLUID PRESSURE DROP (FT)	MIN. COIL ROWS	PIPE SIZE (IN)	BALANCING VALVE SIZE (IN)			
VAV-01	TITUS-ESV-3	6	130	78	39	55	95	0.5	22	9.9	0.97	130	H. WATER	1	1	3/4	1/2	1.2,3,4,5,6		
VAV-02	TITUS-ESV-3	12	1311	787	393	55	95	0.65	23	39.7	3.09	130	H. WATER	1	2	3/4	3/4	1.2,3,4,5,6		
VAV-03	TITUS-ESV-3	8	635	381	190	55	95	0.5	30	9.9	3.22	130	H. WATER	1	2	3/4	1/2	1.2,3,4,5,6		
VAV-04	TITUS-ESV-3	10	700	420	210	55	95	0.65	25	27.3	1.9	130	H. WATER	1	2	3/4	3/4	1.2,3,4,5,6		
VAV-05	TITUS-ESV-3	12	1270	1270	381	55	95	0.65	23	39.7	2.89	130	H. WATER	1	2	3/4	3/4	1.2,3,4,5,6		
VAV-06	TITUS-ESV-3	6	350	210	105	55	95	0.5	32	9.9	1.05	130	H. WATER	1	2	3/4	1/2	1.2,3,4,5,6		

1. MAXIMUM DISCHARGE NC AT BOX DIFFERENTIAL PRESSURE BASED ON ARI STANDARD 880-89
2. COIL HEATING CAPACITY BASED ON HEATING MAXIMUM AIR FLOW (60% OF MAXIMUM COOLING CFM).
3. MINIMUM CFM IS LOWEST CONTROLLABLE CFM SETTING (BASED ON 400 FPM INLET VELOCITY).
4. MAXIMUM STATIC PRESSURE DROP PERMISSIBLE ACROSS BOX AND COIL AT MAXIMUM COOLING CFM.
5. BOX COOLING MAXIMUM IS THE SUM OF DIFFUSERS CFM VALUES AS SHOWN IN THE DRAWINGS. BOX MINIMUM CFM TO BE SET AT 30% OF THIS MAXIMUM. BOX HEATING CFM TO BE SET AT 60% OF THIS SAME MAXIMUM. TYPICAL UNLESS OTHERWISE NOTED.
6. PRESSURE INDEPENDENT TYPE BOX.

FAN SCHEDULE

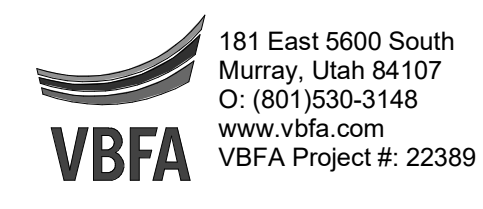
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	AIR TYPE	AIR				FAN				ELECTRICAL				PHYSICAL		NOTES
					MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESSURE (IN. WATER)	OUTLET VELOCITY (FPM)	FAN SPEED (RPM)	FAN WHEEL DIAMETER (IN)	STATIC EFFICIENCY (%)	MOTOR SIZE (HP)	MOTOR BHP (HP)	MOTOR SPEED (RPM)	VOLT/PH/Hz	LENGTH/ WIDTH/ HEIGHT (IN)				
EF-1	FANTECH 40012	CLEAN LINEN	FKD 8 XL	EXHAUST	837	1.39	50	2599	8	--	0.43	--	2599	120/1/60	15.5/12.5/12.5	1			

1. 8" DIAMETER CIRCULAR CONNECTION AT INLET AND OUTLET OF FAN.

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	TITUS	OMNI	30	SQUARE PLAQUE FACE CEILING DIFFUSERS. REMOVABLE FACE. C.W./O.B.D. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
SWS-1	TITUS	300	30	DOUBLE DEFLECTION HIGH SIDEWALL SUPPLY REGISTER. VERTICAL FRONT WITH HORIZONTAL REAR DEFLECTION ADJUSTABLE VANES SPACED AT 3/4 INCH O.C. COMPLETE WITH OBD AND REMOVABLE CORE.
EG-1	TITUS	PAR	20	PERFORATED FACE EXHAUST AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
SWR-1	TITUS	33RL	30	HEAVY DUTY SIDE WALL RETURN AIR GRILLE. STATIONARY HORIZONTAL 38" DEFLECTION VANES SPACED AT 1/2 INCH O.C. 1 1/4 INCH FLANGE. FRAME MADE OF 16 GAUGE STEEL. INSTALL INTERMEDIATE SUPPORT CHANNELS AS REQUIRED.
RG-1	TITUS	PAR	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.

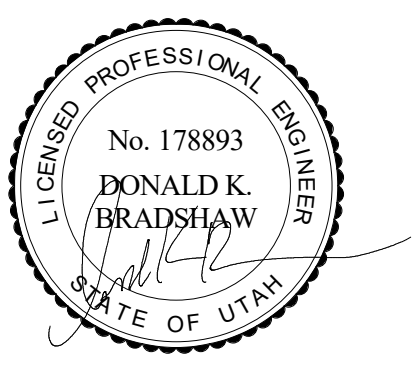
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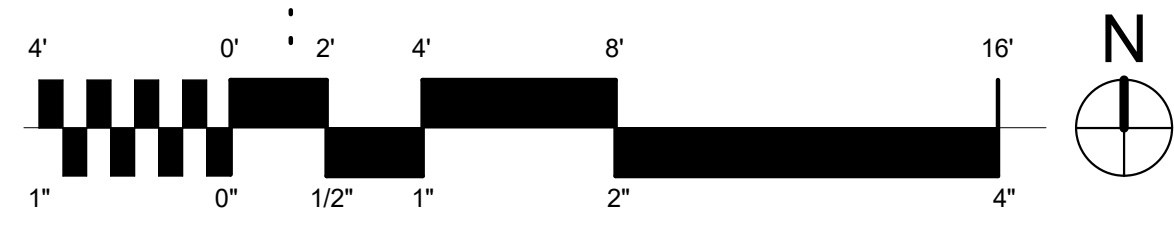
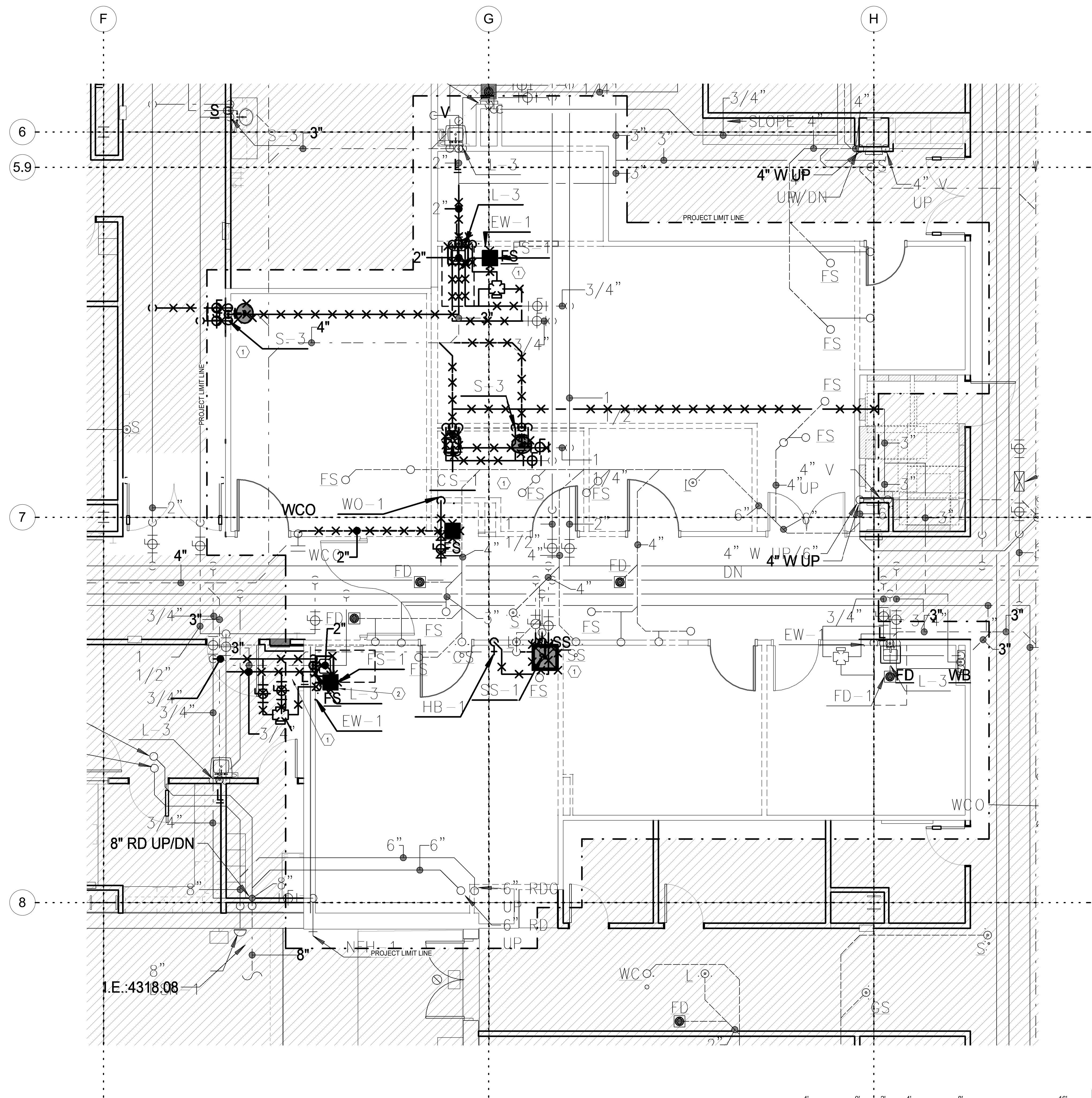


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SHEET TITLE AND NUMBER:
M601
 MECHANICAL SCHEDULES

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- KEYNOTES**
- 1 DEMOLISH PIPING AND FIXTURE SHOWN CROSSED OUT.
 - 2 SAW OUT FLOOR TO DEMOLISH FLOOR SINK IN PREPARATION FOR INSTALLATION OF NEW FLOOR SINK IN SLIGHTLY DIFFERENT LOCATION IN NEW FLOOR PLAN.



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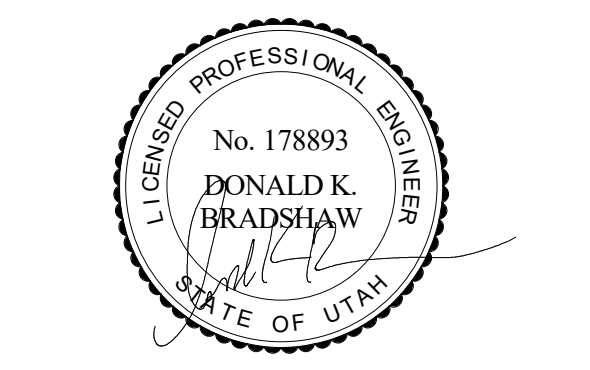
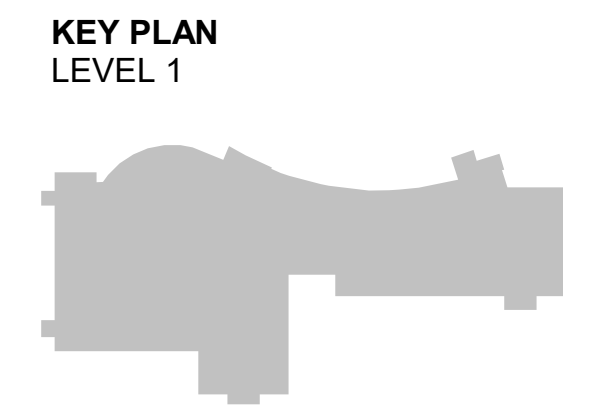
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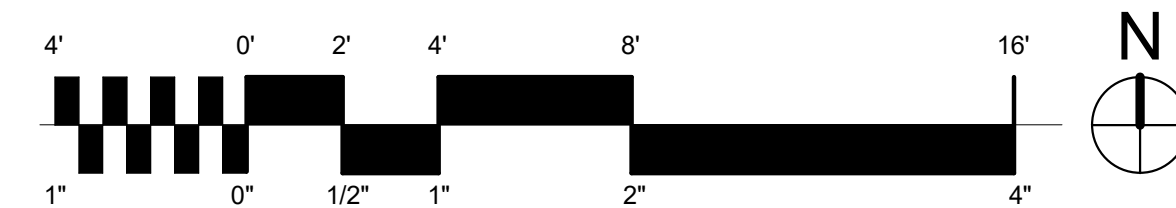
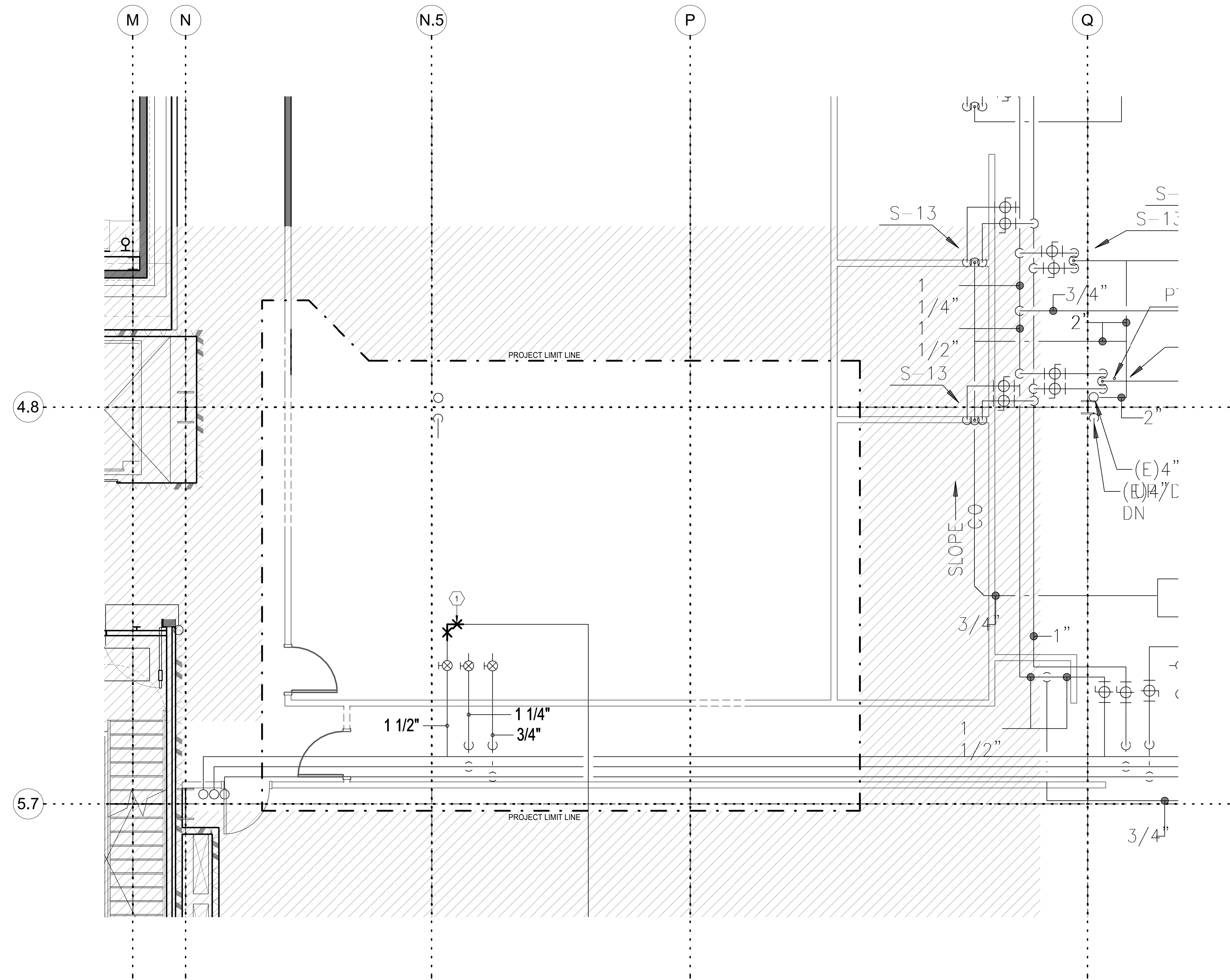
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SHEET TITLE AND NUMBER:
PD101
 LEVEL 1 PLUMBING DEMOLITION
 PLAN

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KEYNOTES	
1	DEMOLISH TAKE-OFF ELBOW.



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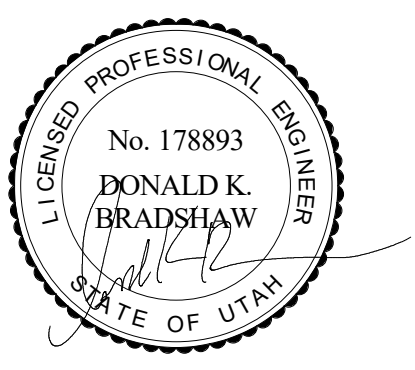
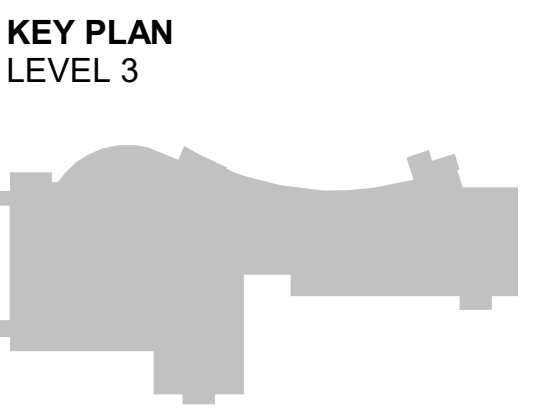
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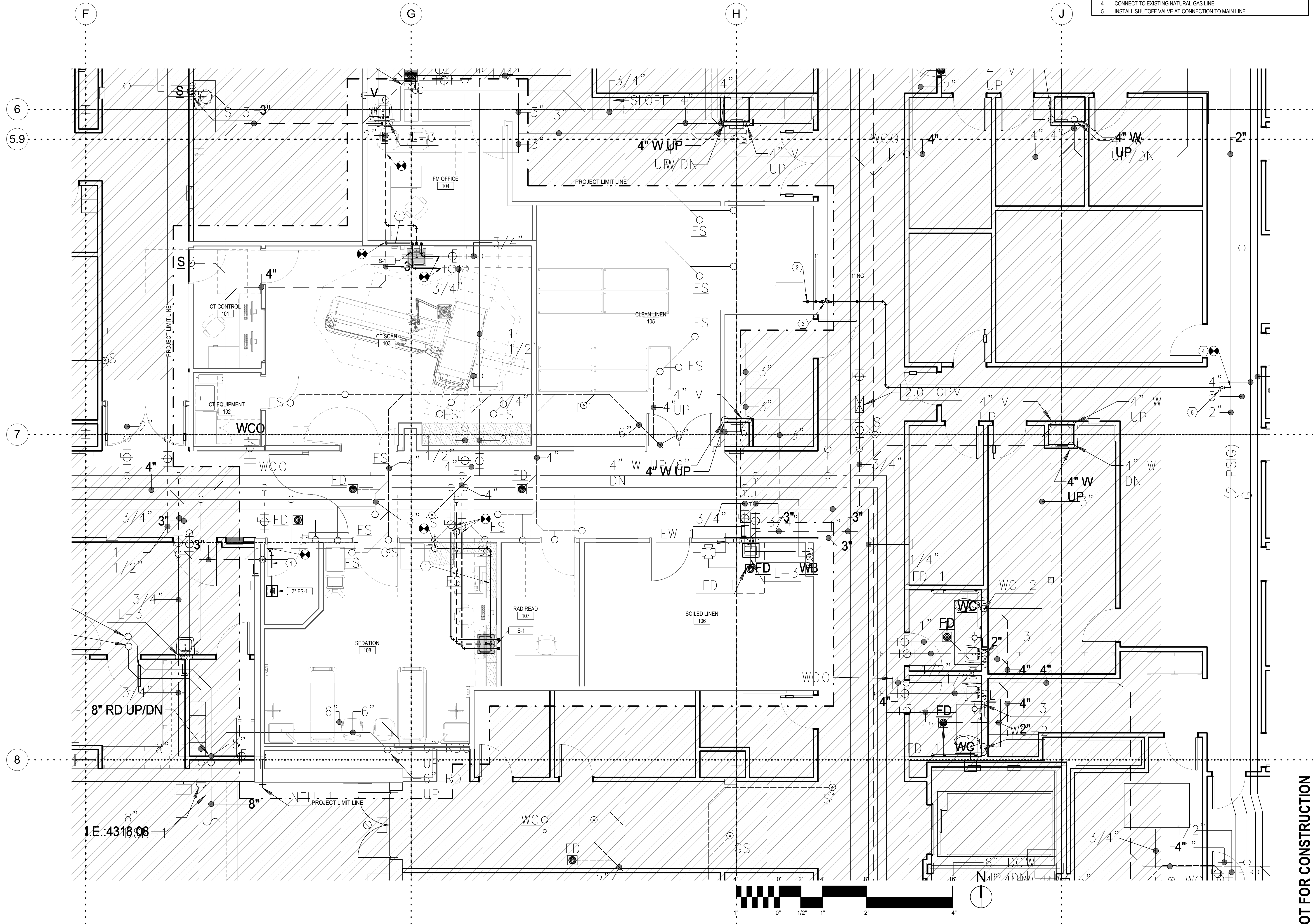


ORIG SUBMISSION: 09/27/22
 CURRENT:

SHEET TITLE AND NUMBER:
PD103
 LEVEL 3 PLUMBING DEMOLITION
 PLAN

THE LINE SHOWN ABOVE IS EXACTLY
 ONE HALF INCH FROM THE
 ORIGINAL PAPER SIZE

- KEYNOTES**
- 1 SAWCUT FLOOR TO INSTALL NEW FIXTURE WASTE PIPING. PATCH FLOOR TO MATCH EXISTING.
 - 2 DROP DOWN AND CONNECT TO DRYER
 - 3 2 LBS TO 4 OZ PRESSURE REDUCING VALVE SIZED FOR 76 CFH
 - 4 CONNECT TO EXISTING NATURAL GAS LINE
 - 5 INSTALL SHUTOFF VALVE AT CONNECTION TO MAIN LINE



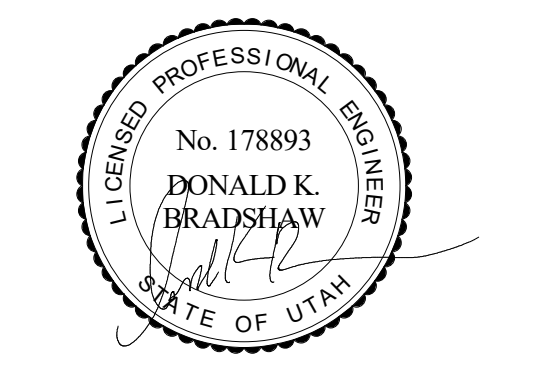
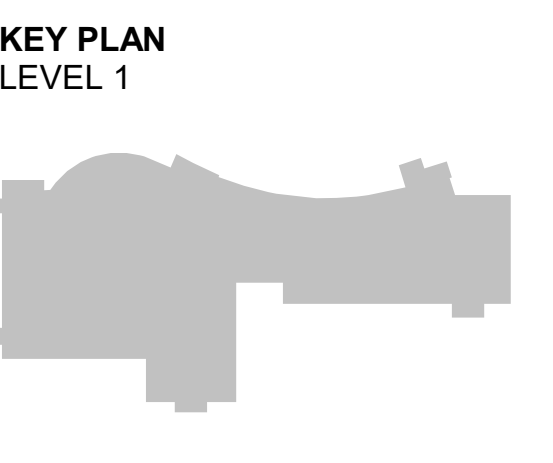
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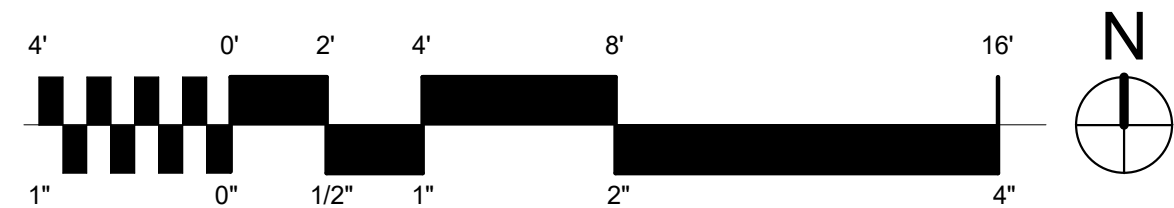
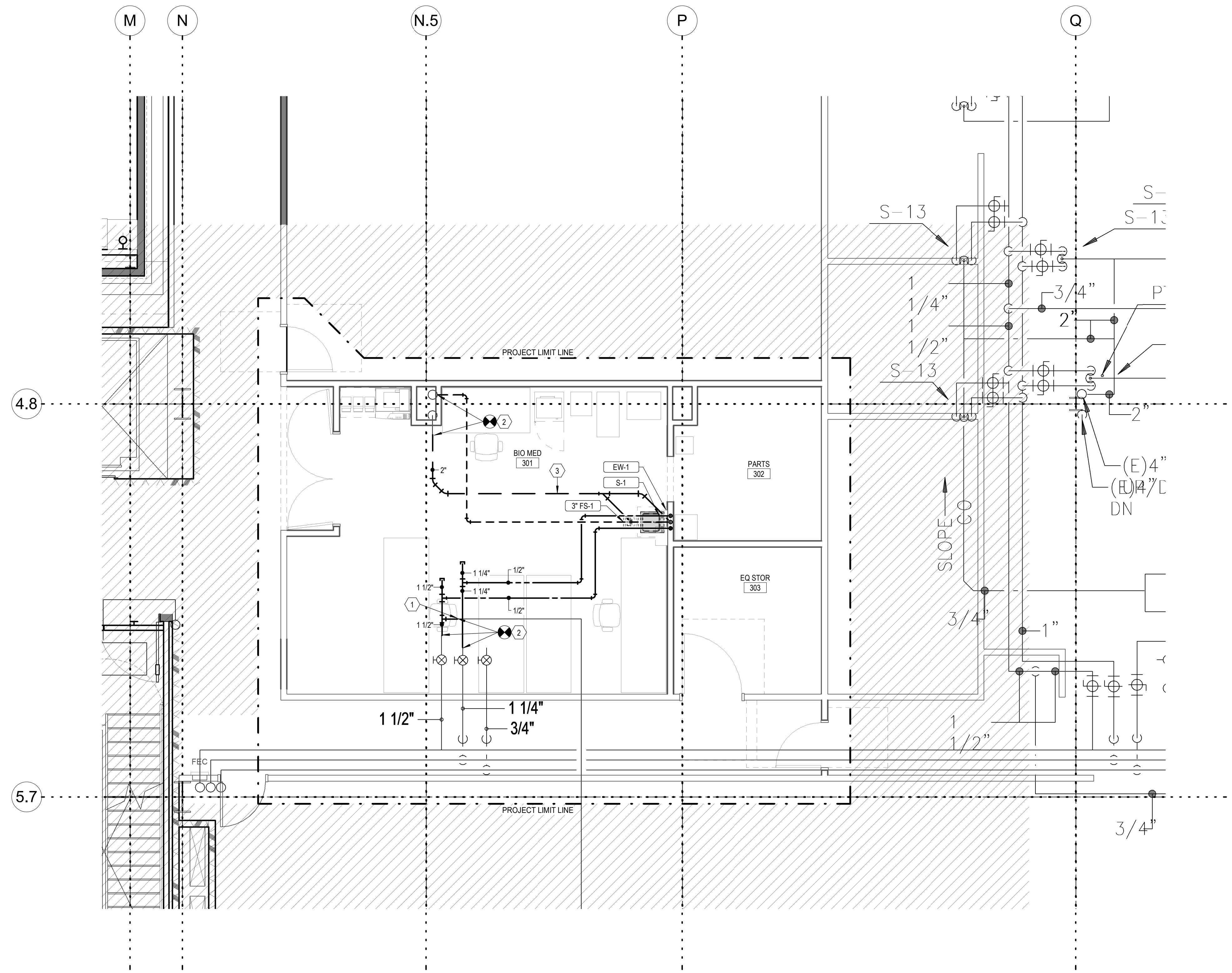
SHEET TITLE AND NUMBER:
P101
 LEVEL 1 PLUMBING PLAN

NOT FOR CONSTRUCTION

PROJECT: 7022021

THE LINE SHOWN ABOVE IS EXACTLY
 ONE FOOT FROM THE CENTER
 OF THE ORIGINAL PIPE SIZE

- KEYNOTES**
- 1 MATCH EXISTING PIPE SIZE AT NEW CONNECTION.
 - 2 NEW CONNECTION TO EXISTING PIPING.
 - 3 WASTE LINE IN CEILING SPACE OF LEVEL BELOW.



NOT FOR CONSTRUCTION

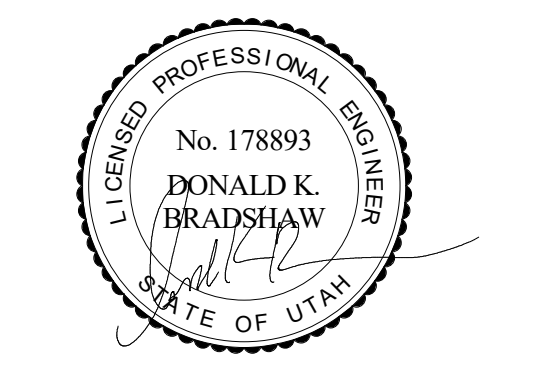
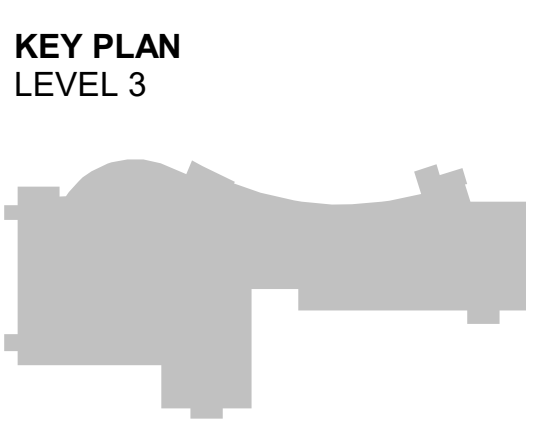
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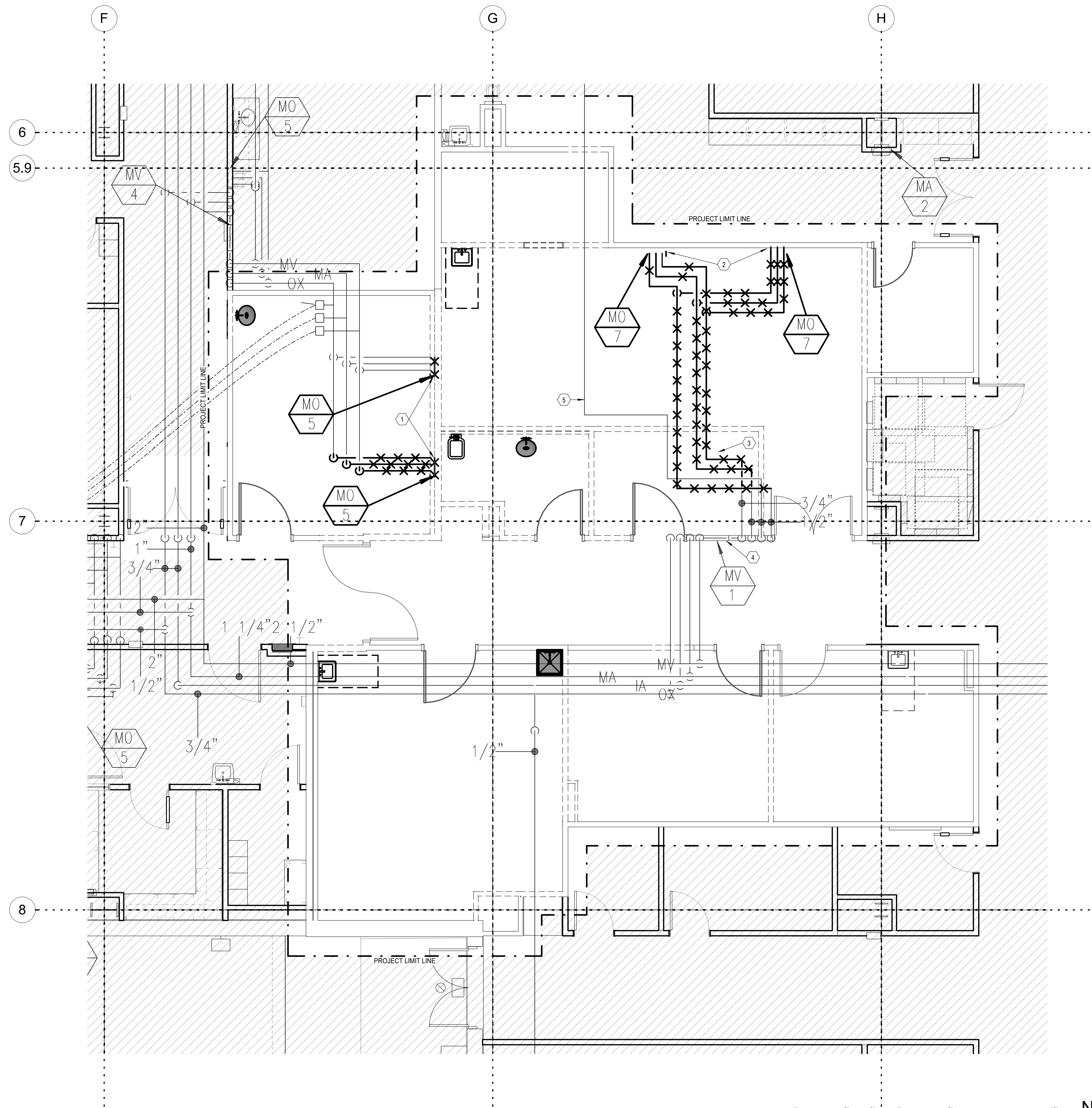


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 CURRENT:

SHEET TITLE AND NUMBER:
P103
 LEVEL 3 PLUMBING PLAN

PROJECT: 7022021

THE LINE SHOWN ABOVE IS EXACTLY
 ONE FOOT FROM THE CENTER
 OF THE MAIN PIPE SIZE



- KEYNOTES**
- 1 DEMOLISH MED GAS OUTLETS AND RELATED PIPING UP TO CEILING SPACE. REMOVE EXISTING MED GAS CEILING OUTLETS AND SAVE FOR REINSTALLATION.
 - 2 REMOVE EXISTING MED GAS CEILING HOSE REELS AND SAVE FOR RE-INSTALLATION.
 - 3 DEMOLISH MED GAS PIPING BACK TO POINT INDICATED AND CAP REMAINING PIPING.
 - 4 REMOVE HANDLES ON MED GAS PIPING THAT HAS BEEN CAPPED. VALVE HANDLE ON INSTRUMENT AIR SHALL REMAIN.
 - 5 INSTRUMENT AIR PIPING SHALL REMAIN.

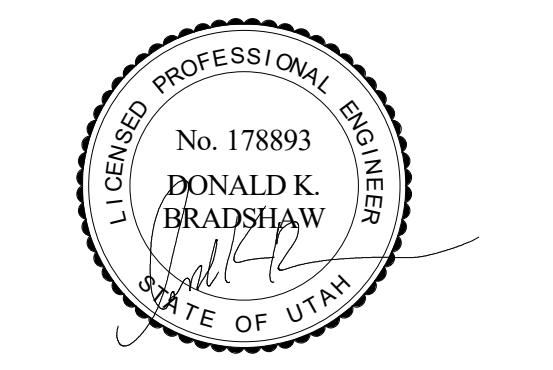
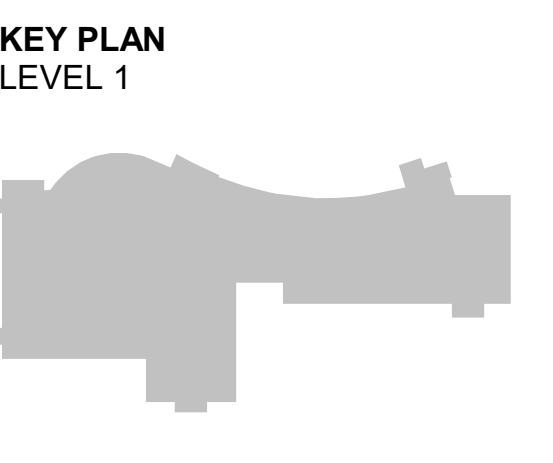
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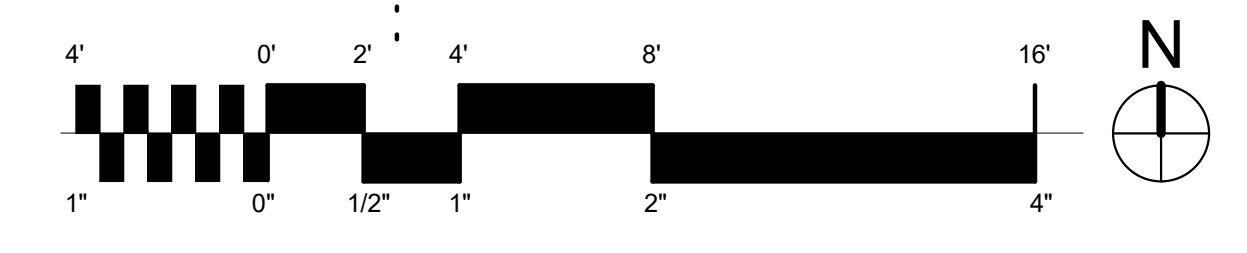
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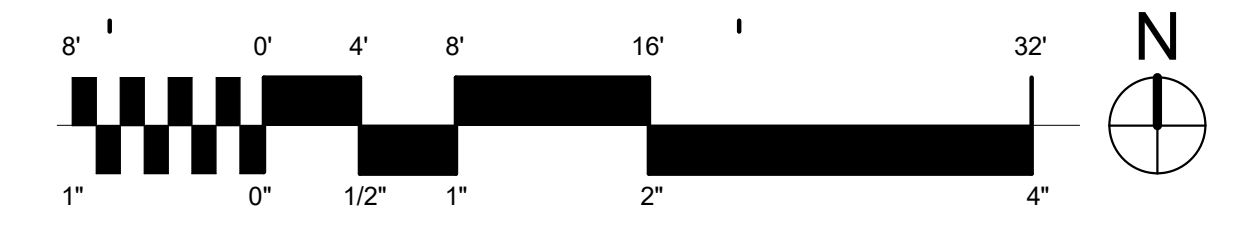
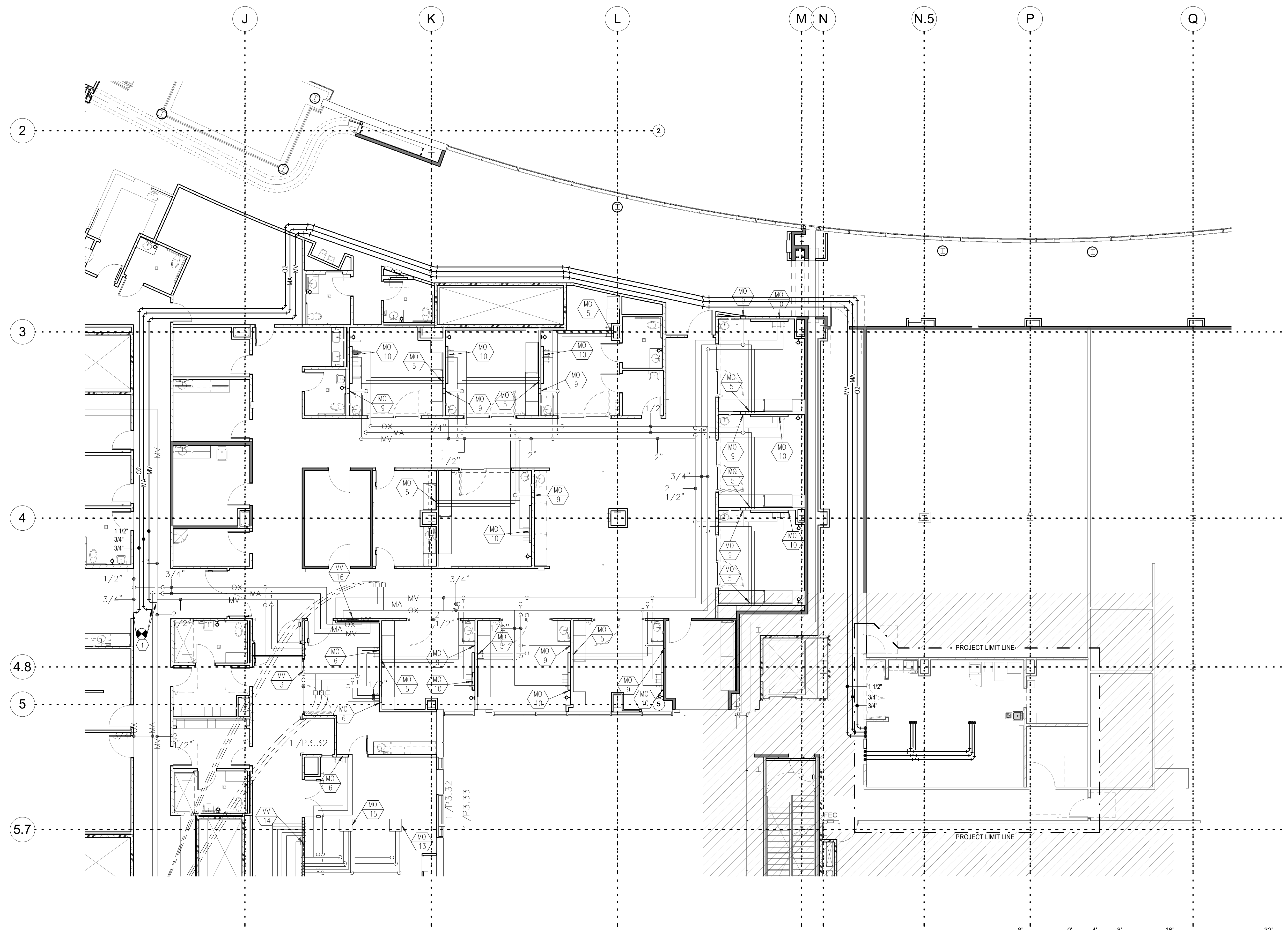
SHEET TITLE AND NUMBER:
MGD101
 LEVEL 1 MEDICAL GAS
 DEMOLITION PLAN

NOT FOR CONSTRUCTION



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 ONE FOOT FROM THE CENTER
 OF THE ORIGINAL PAGE SIZE

KEYNOTES
 1 TIE INTO EXISTING MED GAS SYSTEM AND EXTEND TO WORK AREA AS SHOWN.



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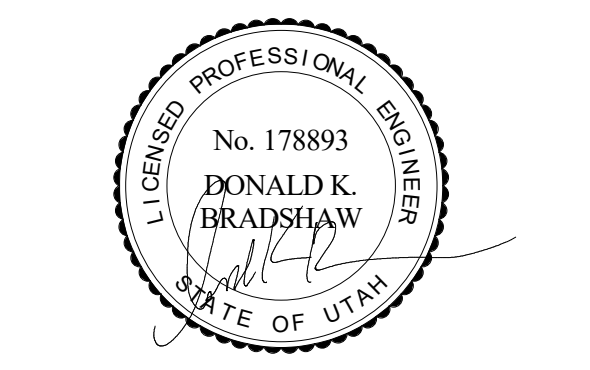
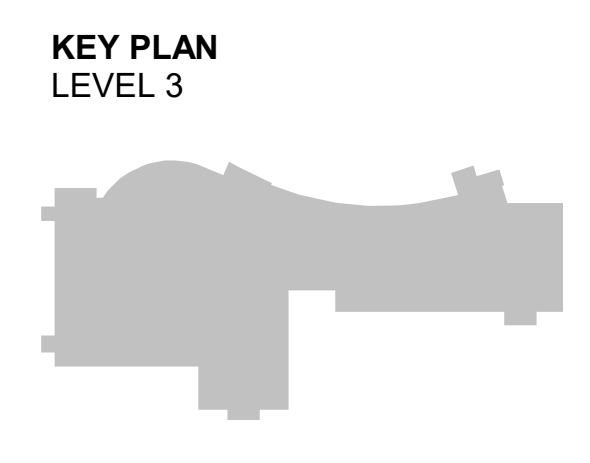
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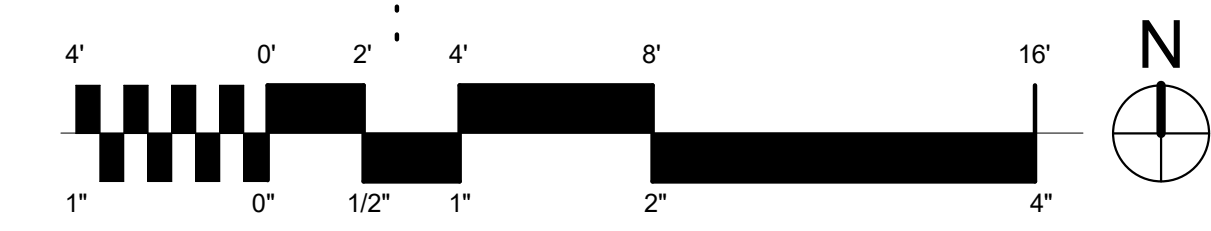
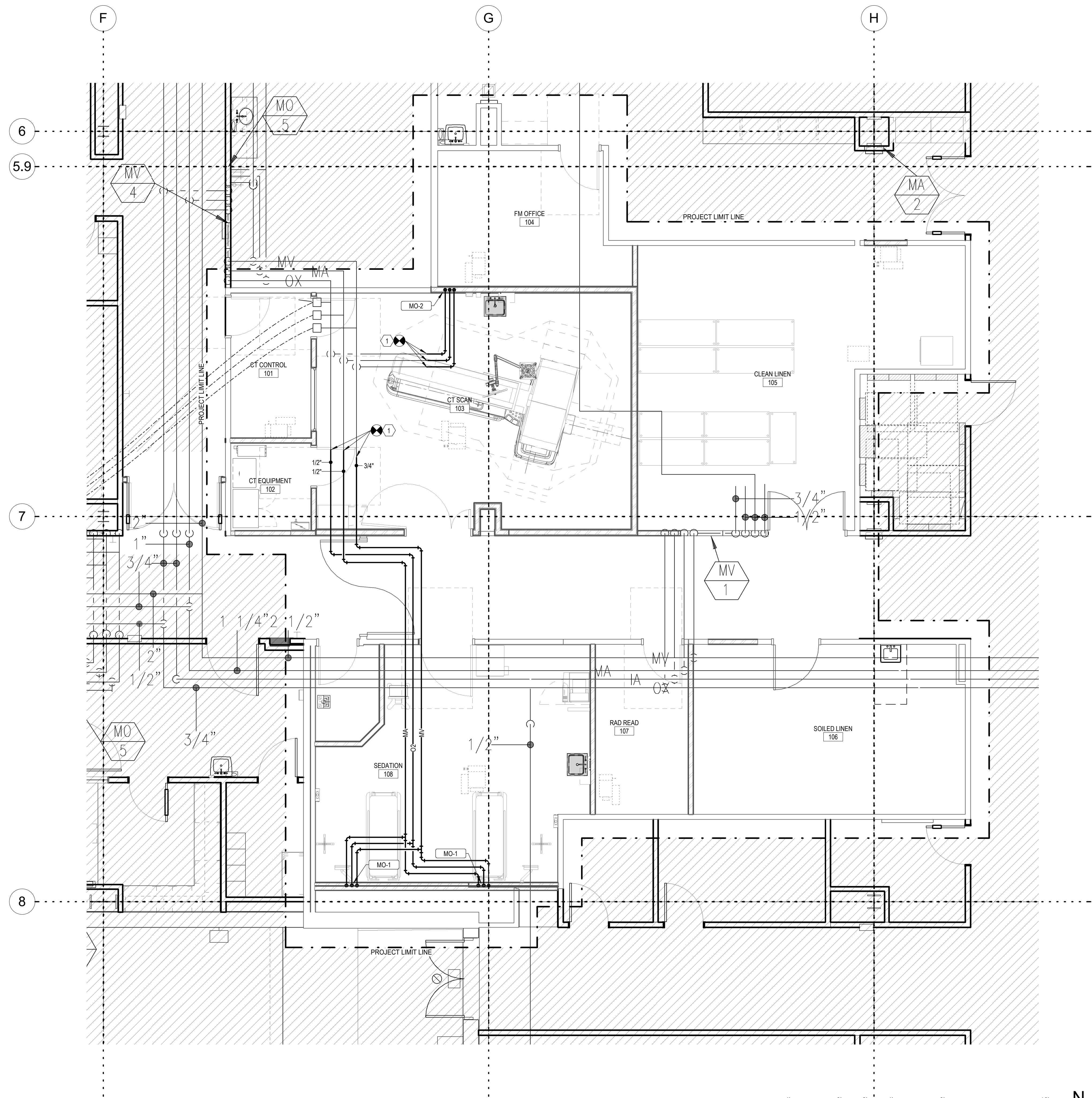
ORIG SUBMISSION: 09/27/22
 CURRENT:

SHEET TITLE AND NUMBER:
MG100
 LEVEL 3 MEDICAL GAS PLAN

PROJECT: 7022021

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 ORIGINAL PAGE SIZE

KEYNOTES
 1 MAKE NEW CONNECTION TO EXISTING MED GAS PIPING AND EXTEND AS SHOWN.



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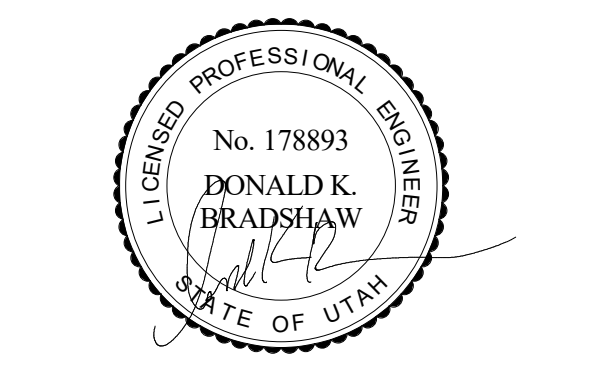
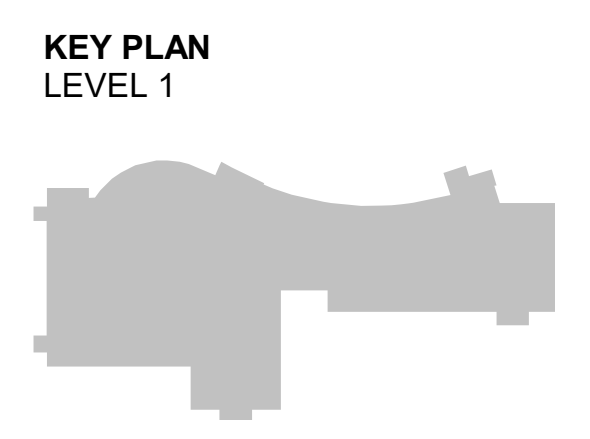
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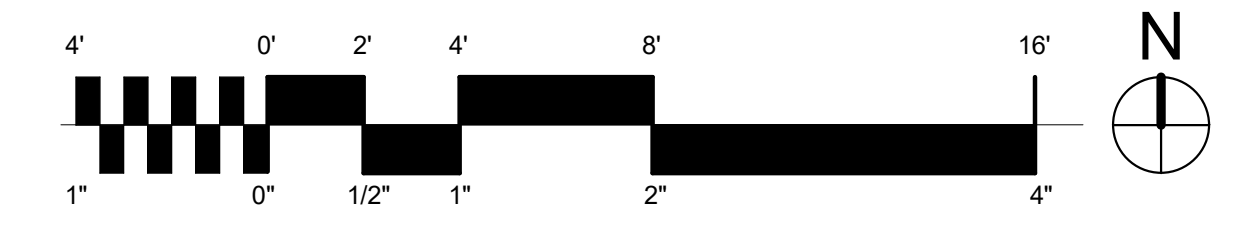
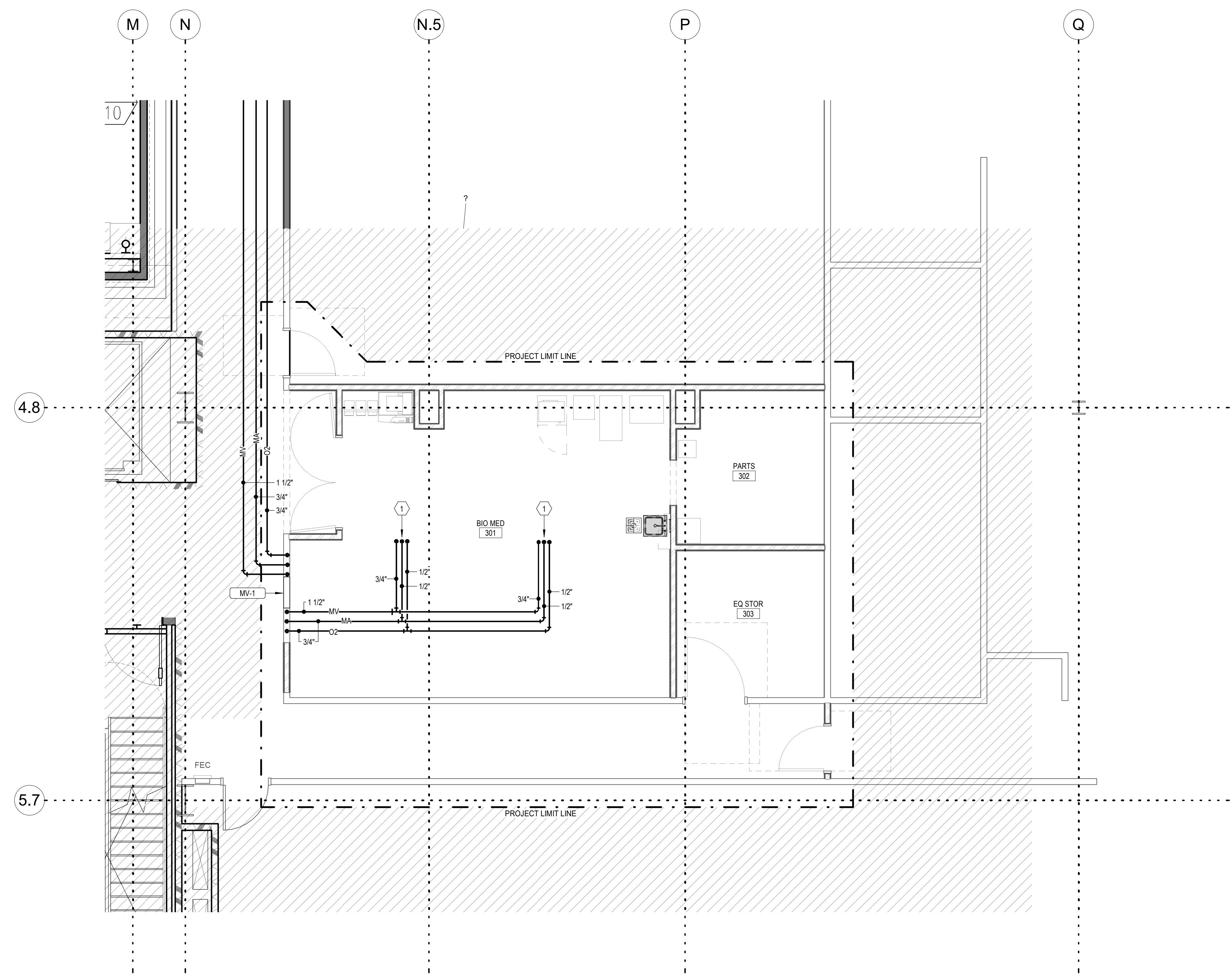


ORIG SUBMISSION: 09/27/22
 CURRENT:

SHEET TITLE AND NUMBER:
MG101
 LEVEL 1 MEDICAL GAS PLAN

THE LINE SHOWN ABOVE IS EXACTLY
 ONE FOOT FROM THE CENTER
 OF THE ORIGINAL PIPE SIZE

KEYNOTES
 1 REINSTALL SALVAGED MED GAS CEILING OUTLETS AT THIS LOCATION.



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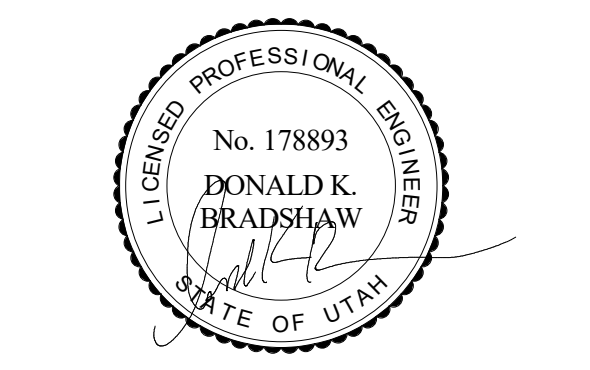
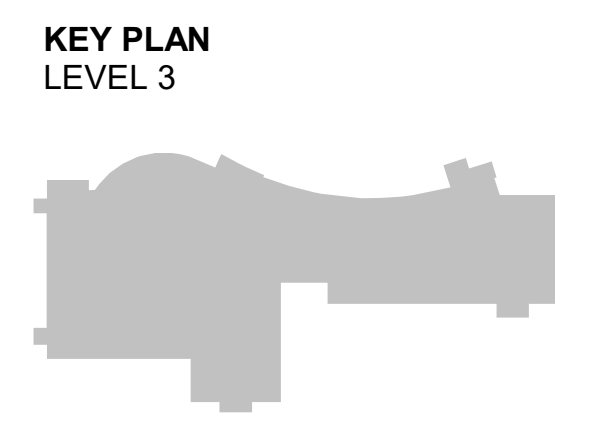
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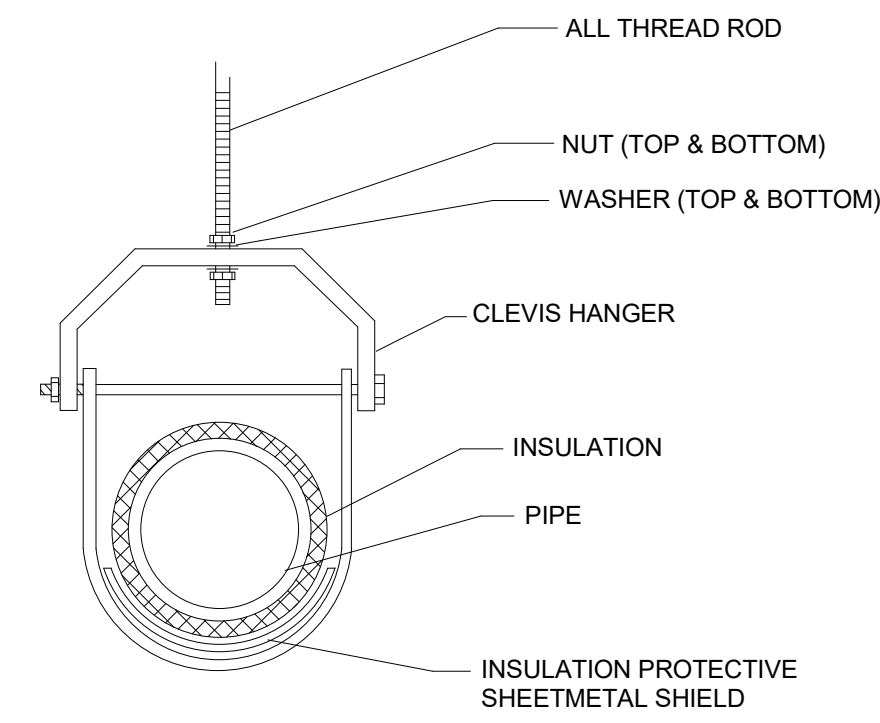
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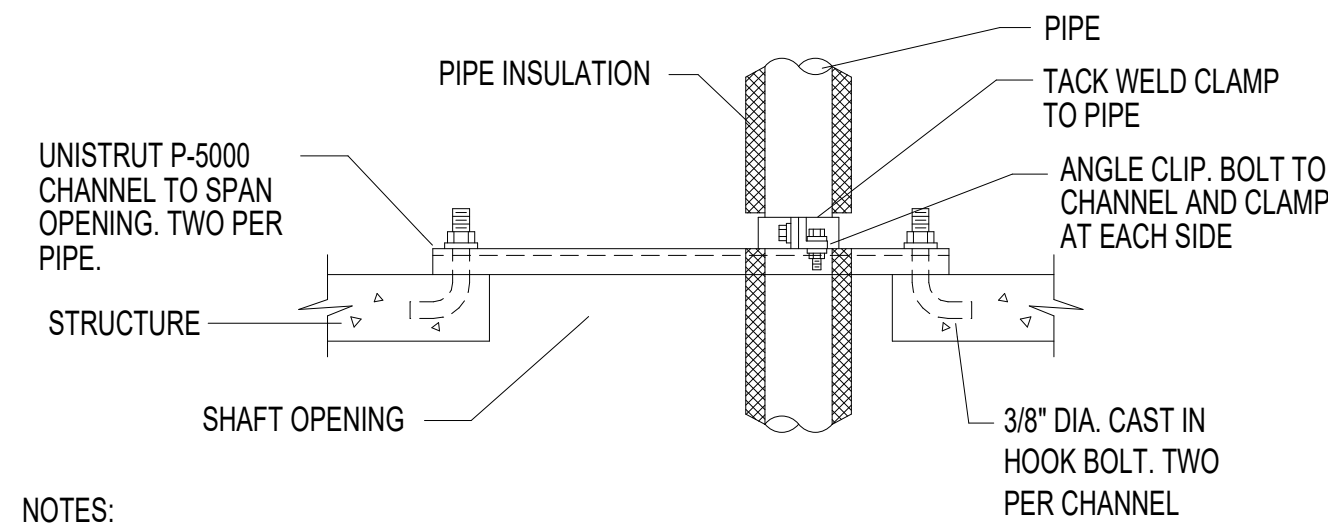
ORIG SUBMISSION: 09/27/22
 CURRENT:

SHEET TITLE AND NUMBER:
MG103
 LEVEL 3 MEDICAL GAS PLAN

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 ORIGINAL PAPER SIZE

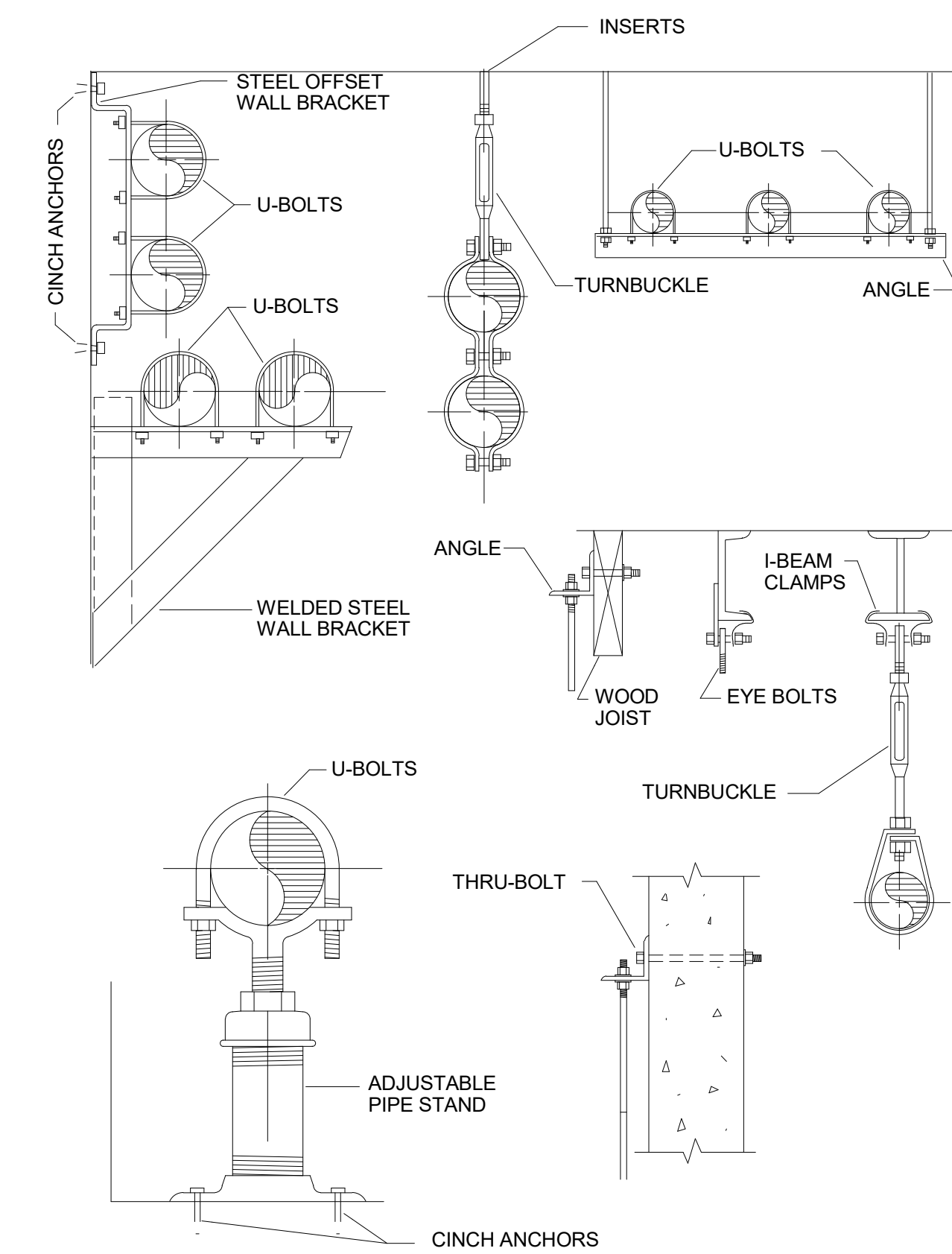


4 TYPICAL CLEVIS HANGER DETAIL
 P501 NO SCALE

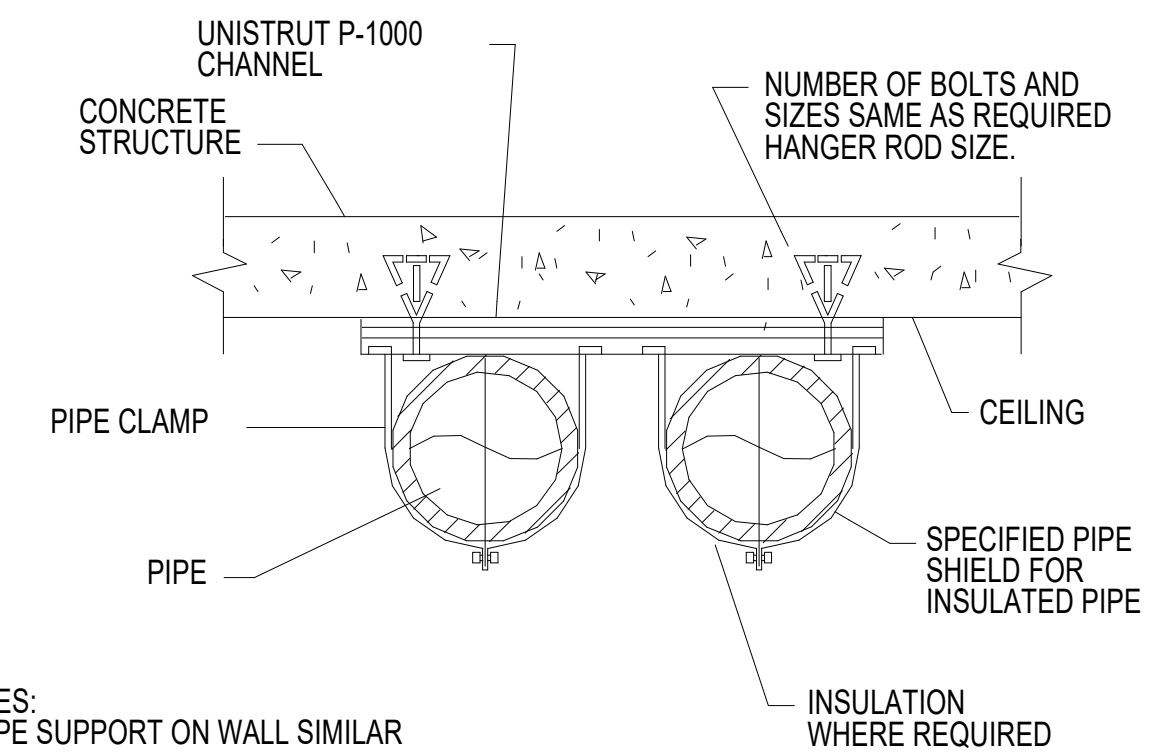


NOTES:
 1. TYPICAL SUPPORT AT EACH FLOOR.
 2. FOR MULTIPLE PIPES INSTALL CHANNELS IN PARALLEL AND PROVIDE ADDITIONAL FRAMING. SIZES OF FRAMING MEMBERS AS REQUIRED TO SUPPORT TOTAL WEIGHT OF PIPE.
 3. INSULATE CLAMP AT CHILLED WATER PIPE ONLY.

5 PIPE RISER SUPPORT DETAIL
 P501 NO SCALE

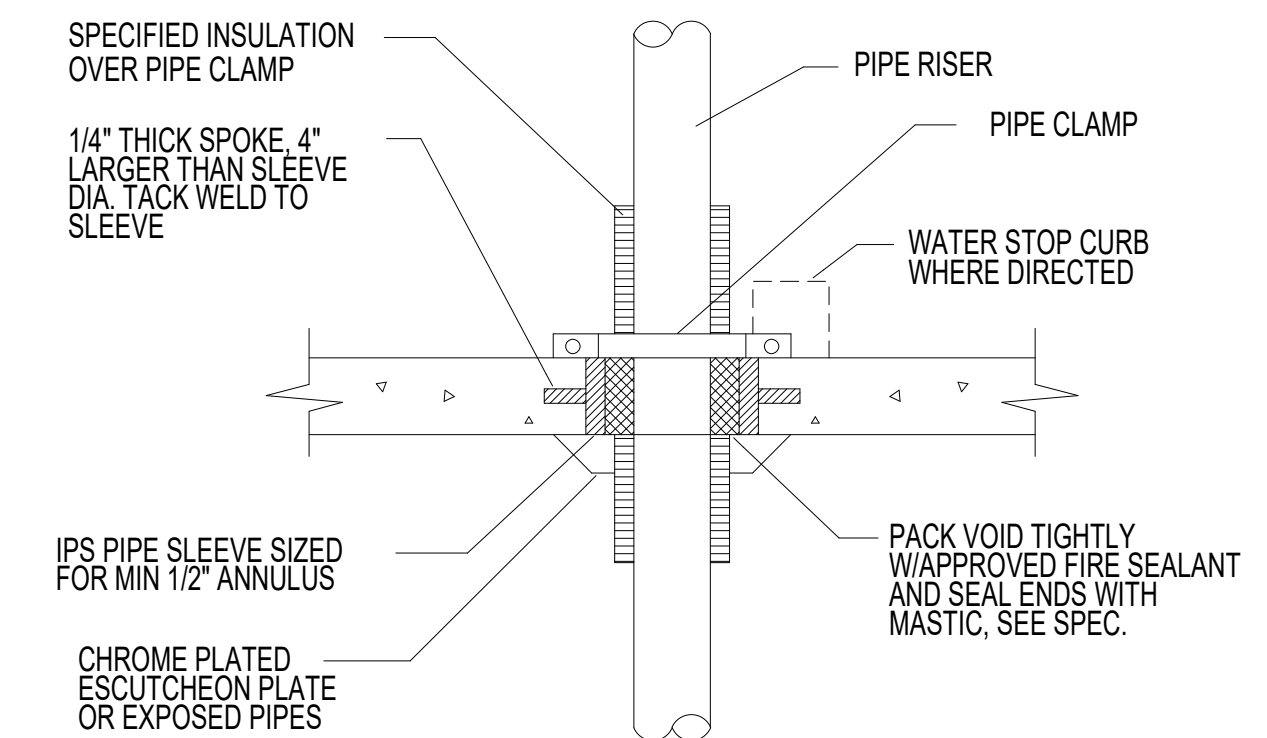


1 TYPICAL PIPE SUPPORT DETAIL
 P501 NO SCALE



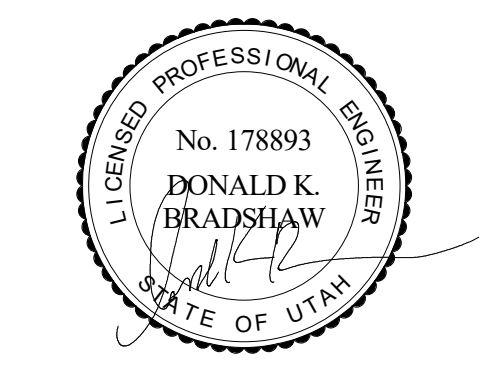
NOTES:
 1. PIPE SUPPORT ON WALL SIMILAR

2 PIPE SUPPORT ON CEILING
 P501 NO SCALE



3 PIPE THROUGH FLOOR SLAB DETAIL
 P501 NO SCALE

Δ	DATE	DESCRIPTION



ORIG SUBMISSION: 09/27/22
 CURRENT:

SHEET TITLE AND NUMBER:
P501
 PLUMBING DETAILS

NOT FOR CONSTRUCTION

THE LINE SHOWN ABOVE IS EXACTLY
 THE LOCATION OF THE CENTER
 OF THE ORIGINAL PIPE SIZE

PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES	SPECIFICATION
EW-1	EYE WASH	1	1	--	--	WALL MOUNTED	EYE WASH: GUARDIAN B5046BP-TMV EYEWASH/DRENCH HOSE UNIT, WALL MOUNTED WITH BACKFLOW PREVENTER AND THERMOSTATIC MIXING VALVE. INSTALL MIXING VALVE IN ACCESSIBLE LOCATION ABOVE THE CEILING.
FS-1	FLOOR SINK	--	--	SEE PLANS	2	KITCHEN	FLOOR SINK: SMITH FIGURE 3100Y CAST IRON FLANGED RECEPTOR WITH ACID RESISTANT INTERIOR COATING, NICKEL BRONZE RIM AND SECURED 1/2 GRATE AND ALUMINUM DOME BOTTOM STRAINER.
S-1	SINK	1/2	1/2	1 1/2	1 1/2	COUNTER MOUNT, STAINLESS STEEL	SINK (STAINLESS STEEL, COUNTER MOUNTED, SINGLE COMPARTMENT): JUST SL-ADA-1921-A-GR 18 GA. TYPE 304 STAINLESS STEEL SINK, 14" X 18" X 5-1/2" DEEP BASIN, SELF RIMMING, CENTER REAR DRAIN LOCATION, 8" CENTERS DRILLING WITH J-35 CUP STRAINER. CHICAGO 786-GNBFCKABCP FAUCET, WITH 1.5 GPM FLOW CONTROL IN BASE OF SPOUT, WRIST BLADE HANDLES, 8" GNS RIGID/SWING GOOSENECK SPOUT. PROVIDE FLEXIBLE STAINLESS STEEL SUPPLIES WITH LOOSE KEY ANGLE STOPS, CAST BRASS P-TRAP WITH CLEAN-OUT PLUG.

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

MEDICAL GAS OUTLETS SCHEDULE

SYMBOL	ROOM TYPE	# OF...				PIPE...					REMARKS
		OX	MA	MV	WAGD	OX	MA	MV	WAGD		
MO-1	SEDATION 108	1	1	1		1/2	1/2	3/4	--		1
MO-2	CT SCAN 103	1	1	1		1/2	1/2	3/4	--		1

UNLESS NOTED OTHERWISE, ALL OUTLETS ARE CHEMETRON-STYLE QUICK-CONNECTS

1. PIPE SIZES ARE FOR ONE SET OF OUTLETS.

MEDICAL GAS VALVE SCHEDULE

SYMBOL	AREA SERVED	PIPE SIZE				REMARKS
		OX	MA	MV	WAGD	
MV-1	CATH LAB #6	3/4	3/4	1 1/2	--	1

1. WITH GAUGES



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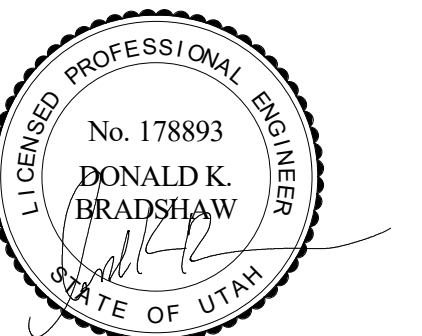


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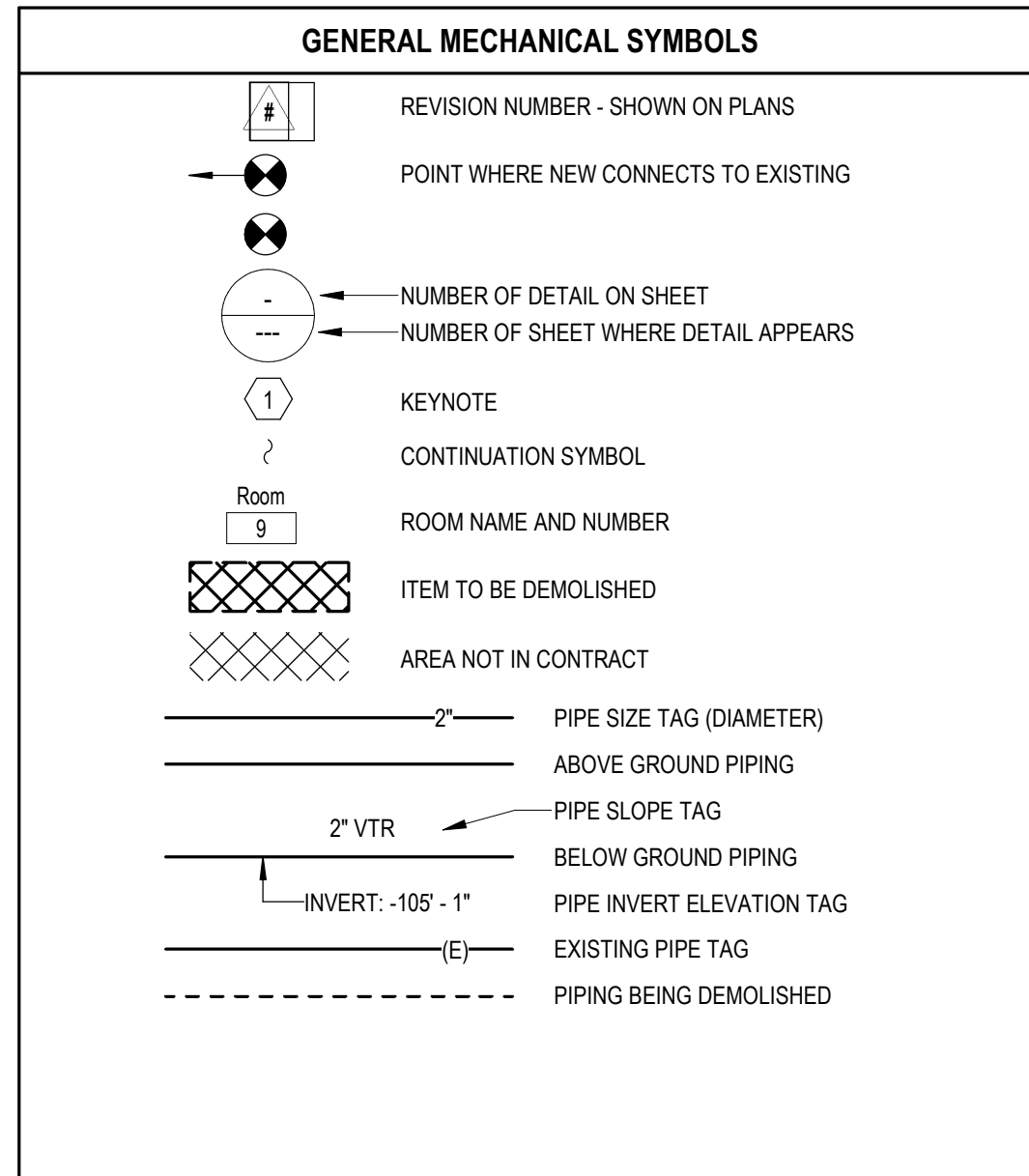
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SHEET TITLE AND NUMBER:

P601
 PLUMBING SCHEDULES

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 UNLESS OTHERWISE NOTED



ABBREVIATIONS

Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AFF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP/AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NUMBER
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CW	COLD WATER	O	OXYGEN
D	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DIA	DIAMETER	PD	PRESSURE DROP
DN	DOWN	PIV	POST INDICATOR VALVE
DW	DISTILLED WATER	PLBG	PLUMBING
EA	EACH	PRESS	PRESSURE
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH GAUGE
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMPERATURE	R	DUCT RISER
E/A	EXHAUST AIR	R/A	RETURN AIR
EXIST	EXISTING	RCP	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEAN OUT	REC	RECESSED
FD	FLOOR DRAIN	RED	REDUCER
FD	FIRE DAMPER	RH	RELATIVE HUMIDITY
FDV	FIRE DEPARTMENT VALVE	RLA	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	S/A	SUPPLY AIR
FPM	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SD	SMOKE DAMPER
FTR	FM TUBE RADIATION	SM	SURFACE MOUNT
GAL	GALLON	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HYD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
INV	INVERT	VENT	VENTILATION
LB	POUND	VTR	VENT THROUGH ROOF
LB/HR	POUNDS PER HOUR	W	WASTE
LAT	LEAVING AIR TEMPERATURE	WB	WET BULB
LP	LOW PRESSURE	WCO	WALL CLEAN OUT
LPG	LIQUEFIED PETROLEUM GAS	WH	WALL HYDRANT

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

FIRE SPRINKLER PIPING SCHEDULE

NPS 1: SCHEDULE 40 OR THREADED THIN WALL, THREADED ENDS

NPS 2 1/4 THRU 2: SCHEDULE 40 OR THREADED THIN WALL, GROOVED ENDS, OR THREADED ENDS.

NPS 2-1/2 THRU 4: SCHEDULE 40, GROOVED ENDS, WELDED OUTLETS.

NPS 6 AND LARGER: SCHEDULE 40 OR SCHEDULE 10, GROOVED FITTINGS, WELDED OUTLETS.

WATER SUPPLY INFORMATION

STATIC PRESSURE: 94 PSI
 RESIDUAL PRESSURE: 74 PSI
 RESIDUAL FLOW: 2067 GPM

TEST PERFORMED BY: VBFA INC.
 TEST DATE: 5/5/2022
 TEST LOCATION: 100 W. and LAYTON PKWY
 see EWSA

FIRE PROTECTION GENERAL NOTES

- NO FIRE PROTECTION LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE COORDINATION WITH ALL OTHER DISCIPLINES. DUCTWORK, MECHANICAL PIPING AND PLUMBING TAKE SPACE PRECEDENCE OVER FIRE PROTECTION REMOVAL AND REINSTALLATION AT THE FIRE PROTECTION CONTRACTORS EXPENSE.
- ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING SURROUNDING AREA.
- COORDINATE EXACT LOCATION OF PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING, VALVING, SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS. COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.
- PROVIDE ALTERATIONS TO THE EXISTING FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE NEW FLOOR PLAN AND NEW CEILING TYPES. REUSE EXISTING SYSTEM EQUIPMENT WHERE APPLICABLE. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, AND NFPA.
- THE BUILDINGS COMPLETE OPERATIONAL FIRE PROTECTION SYSTEMS SHALL REMAIN IN PLACE. THIS CONTRACTOR SHALL REPAIR ANY DAMAGE TO THIS SYSTEM CREATED BY THE REMOVAL OF ANY OTHER MECHANICAL SYSTEMS OR COMPONENTS.
- THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
- PROVIDE A COMPLETE WET TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
- DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
- ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
- THIS CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
- AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
- SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
- ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM. BRANCH LINE TO ENTER ROOM ABOVE DOOR.
- THIS CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN IF THE EXISTING HYDRAULIC DEMAND IS INCREASED.

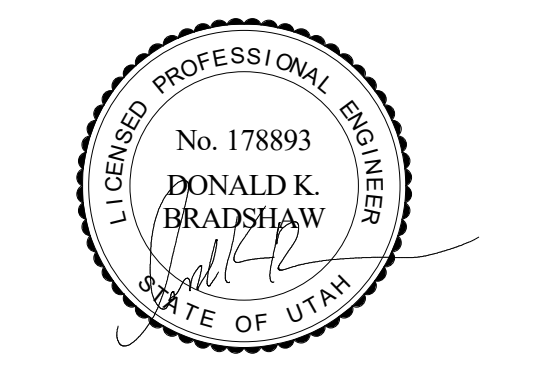
AUTOMATIC SPRINKLER SYSTEM DESIGN CRITERIA

SYMBOL	OCCUPANCY HAZARD CLASSIFICATION	DESIGN DENSITY (GPM/SF)	DESIGN AREA
R	RESIDENTIAL (DWELLING) OCCUPANCY	0.05	400 SF
LH	LIGHT HAZARD OCCUPANCY	0.10	1500 SF
OH1	ORDINARY HAZARD, GROUP 1 OCCUPANCY	0.15	1500 SF
OH2	ORDINARY HAZARD, GROUP 2 OCCUPANCY	0.20	1500 SF
EH1	EXTRA HAZARD, GROUP 1 OCCUPANCY	0.30	2500 SF
EH2	EXTRA HAZARD, GROUP 2 OCCUPANCY	0.40	2500 SF
S	SPECIAL HAZARD OCCUPANCY		



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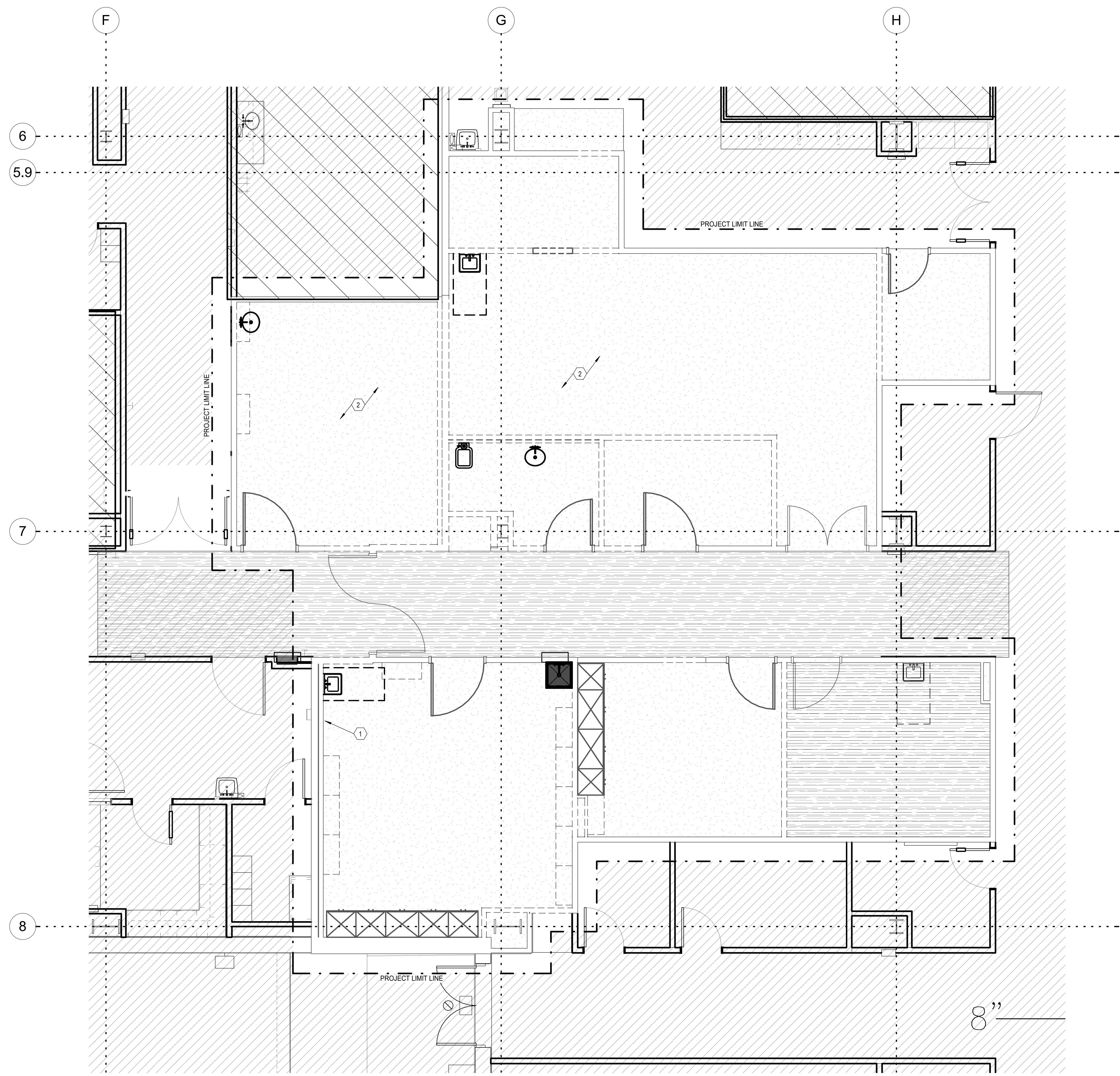
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ORIG SUBMISSION: 09/27/22
 CURRENT:

SHEET TITLE AND NUMBER:
F001
 FIRE PROTECTION TITLE SHEET

PROJECT: 7022021

THE LINE SHOWN ABOVE IS EXACTLY
 ONE FOOT FROM THE CENTER
 OF THE ORIGINAL PIPE SIZE



- KEYNOTES**
- EXISTING PRE-ACTION SPRINKLER SYSTEM RISER TO REMAIN.
 - REMOVE AND REROUTE ANY WET SYSTEM SPRINKLER PIPING AND COMPONENTS FROM NEW CT ROOM TO BE SERVED BY PRE-ACTION SYSTEM. SEE SHEET F101

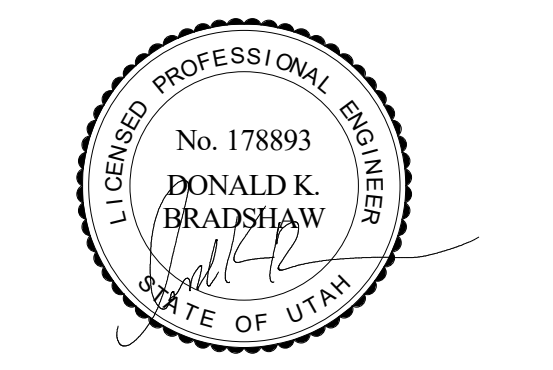
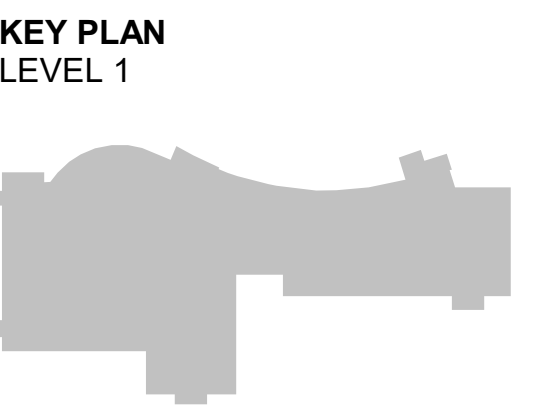
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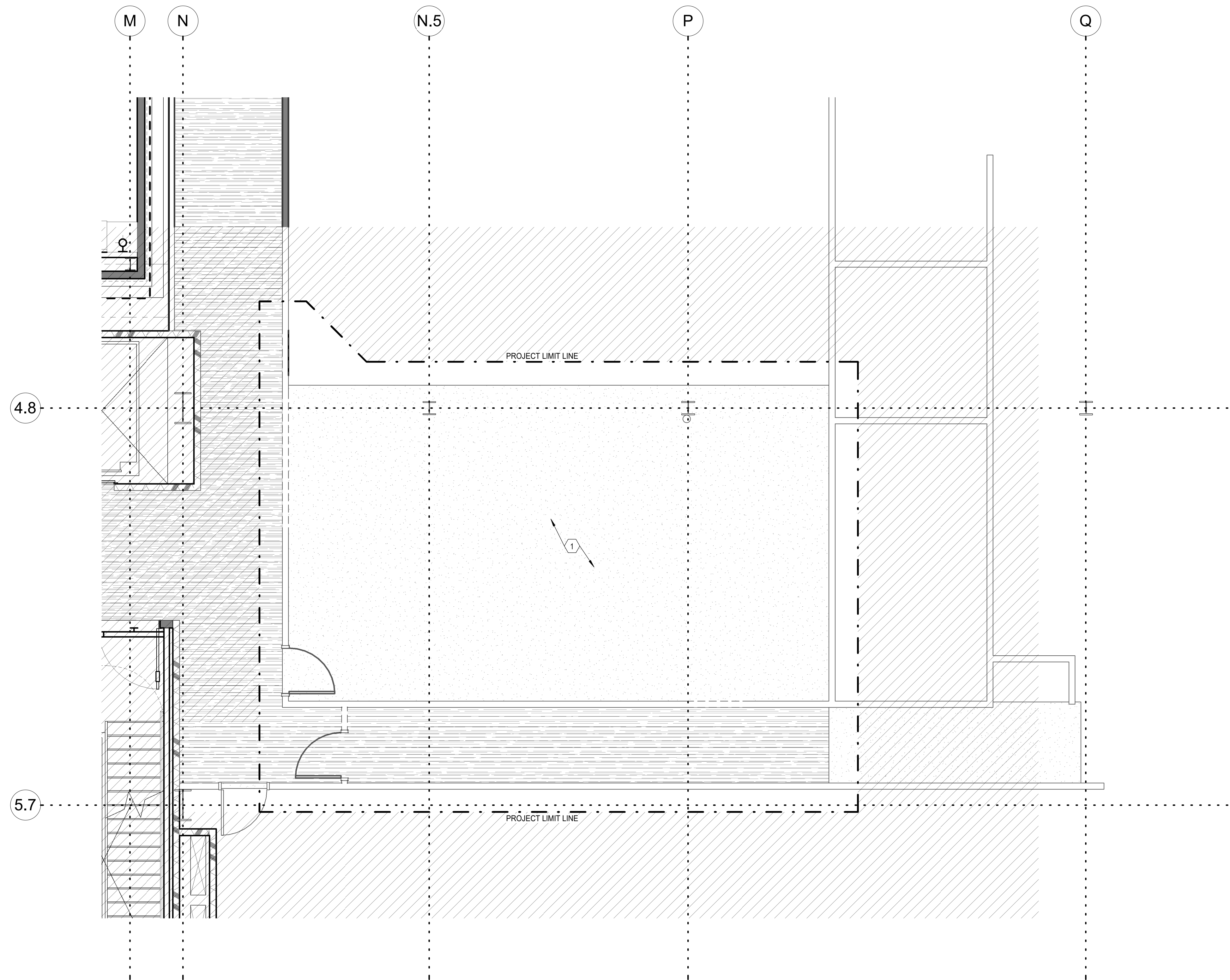


ORIG SUBMISSION: 09/27/22
 CURRENT:

SHEET TITLE AND NUMBER:
FD101
 LEVEL 1 FIRE PROTECTION
 DEMOLITION PLAN

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THE LINE SHOWN ABOVE IS EXACTLY
 ONE FOOT FROM THE CENTER
 OF THE ORIGINAL PIPE SIZE



KEYNOTES

1 USE VICTAULIC MECHANICAL-T OR ENGINEER APPROVED EQUAL TO ADD NEW SPRINKLERS INTO DROPPED CEILINGS FROM EXISTING SHELLED SPACE TO ACCOMMODATE NEW ROOM AND CEILING LAYOUT.

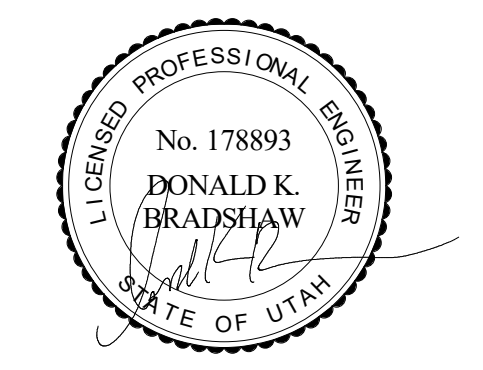
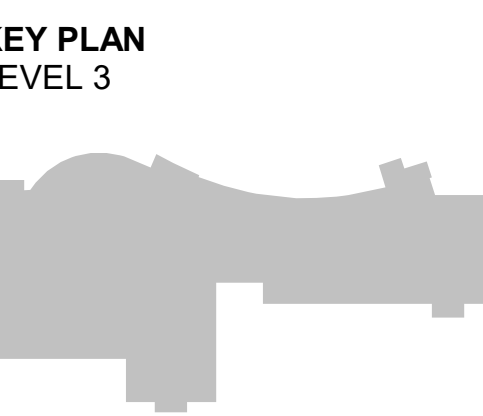
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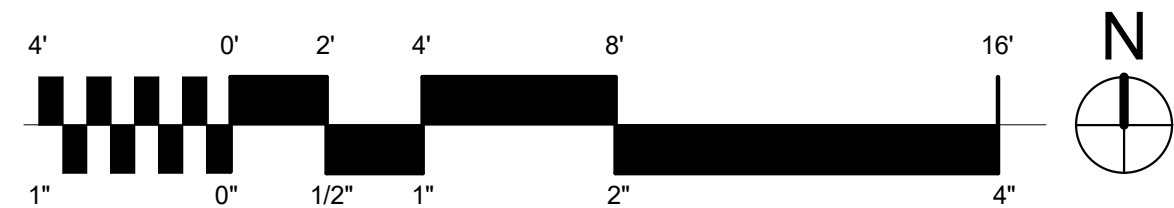
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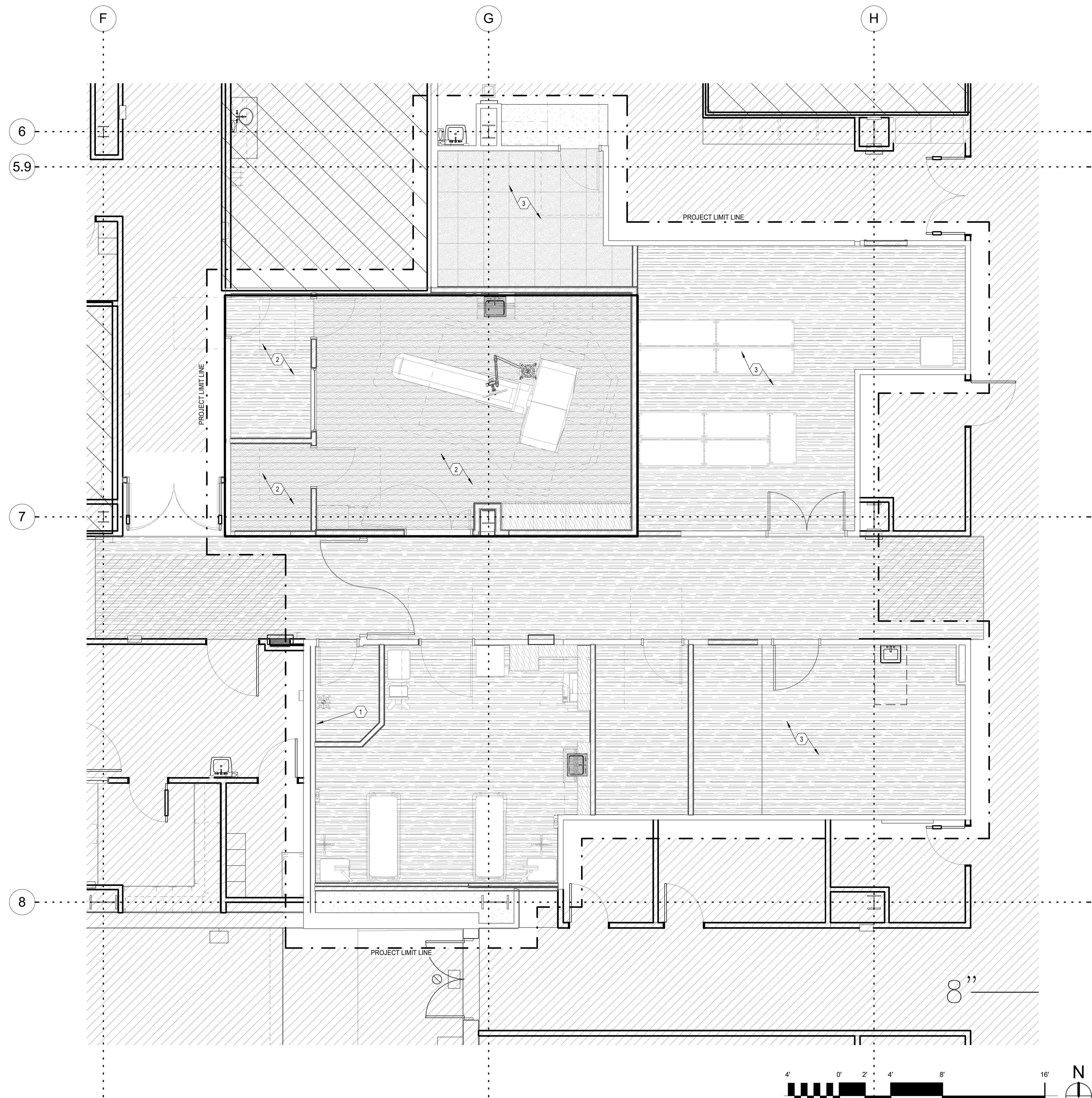
ORIG SUBMISSION: 09/27/22
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SHEET TITLE AND NUMBER:
FD103
 LEVEL 3 FIRE PROTECTION
 DEMOLITION PLAN

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THE LINE SHOWN ABOVE IS EXACTLY
 THE LOCATION OF THE
 ORIGINAL FLOOR SLAB



- KEYNOTES**
- 1 EXISTING PRE-ACTION SPRINKLER SYSTEM RISER.
 - 2 EXTEND EXISTING PRE-ACTION SPRINKLER SYSTEM TO SERVE CT ROOM. USE CROSS-ZONED DETECTION. CONTRACTOR SHALL FIELD VERIFY THE NEAREST MAIN OF ADEQUATE SIZE FOR CONNECTION. REMOVE/ROUTEROUTE ANY WET SPRINKLER SYSTEM PIPING AND COMPONENTS FROM CT ROOM.
 - 3 ADJUST SPRINKLER SYSTEM LAYOUT TO ACCOMMODATE NEW FLOOR PLAN AND CEILING HEIGHT LAYOUT. TYPICAL. INSTALL ALL NEW FLAT PLATE CONCEALED, QUICK RESPONSE, SPRINKLERS IN REMODEL AREAS.

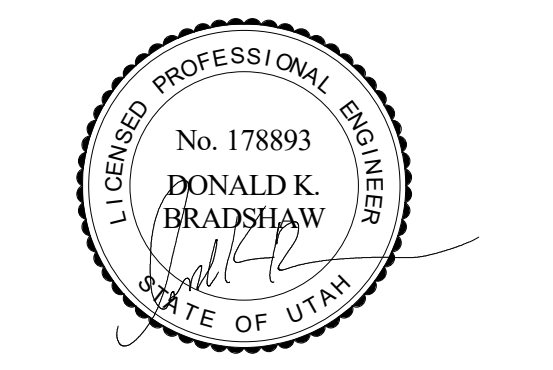
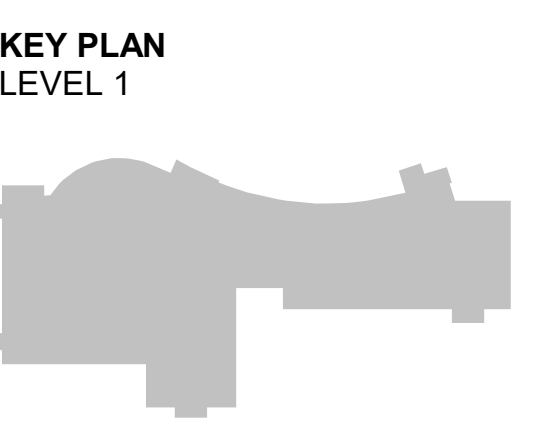
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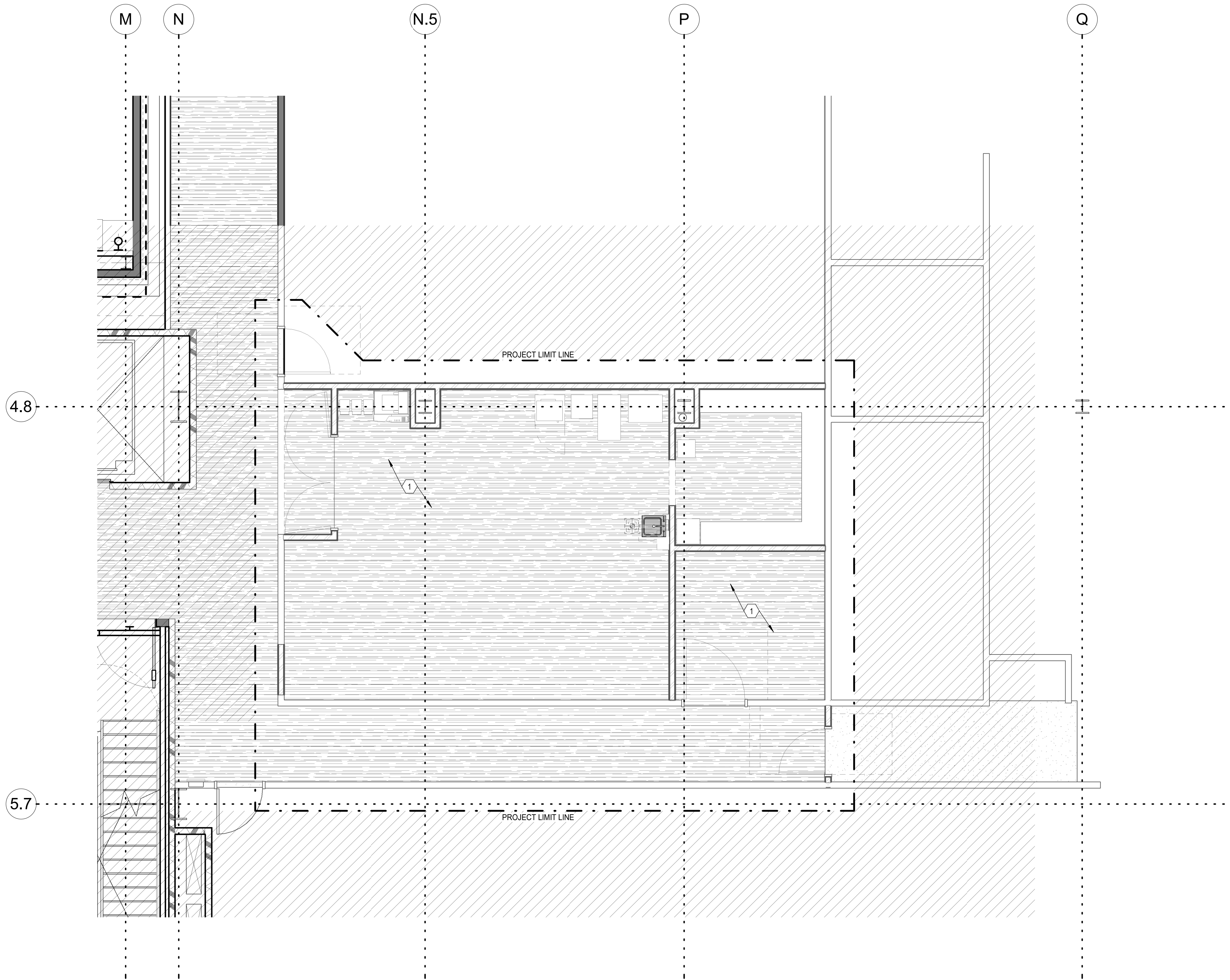
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SHEET TITLE AND NUMBER:
F101
 LEVEL 1 FIRE PROTECTION PLAN

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PROJECT: 7022021

THE LINE SHOWN ABOVE IS EXACTLY
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 OF THE ORIGINAL PIPE SIZE



KEYNOTES

1 USE VICTAULIC MECHANICAL-T OR ENGINEER APPROVED EQUAL TO ADD NEW FLAT PLATE CONCEALED SPRINKLERS INTO DROPPED CEILINGS FROM EXISTING SHELL SPACE SPRINKLER PIPING TO ACCOMMODATE NEW ROOM AND CEILING LAYOUT.

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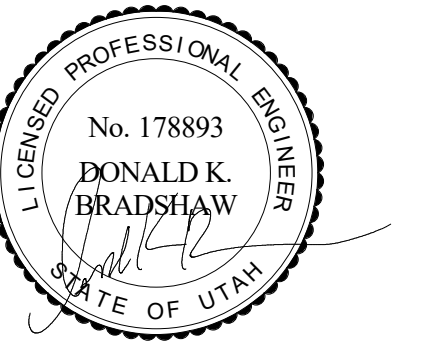
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**KEY PLAN
 LEVEL 3**



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