

CONSTRUCTION DOCUMENTS

SOUTH PENINSULA HOSPITAL OPERATING ROOM HVAC RENOVATIONS

4300 Bartlett St.
Homer, Alaska 99603

Kenai Peninsula Borough

144 North Binkley St
Soldotna, Alaska 99669



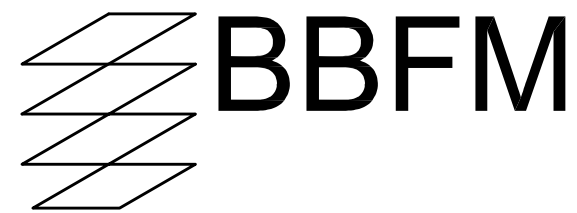
HOMER, ALASKA

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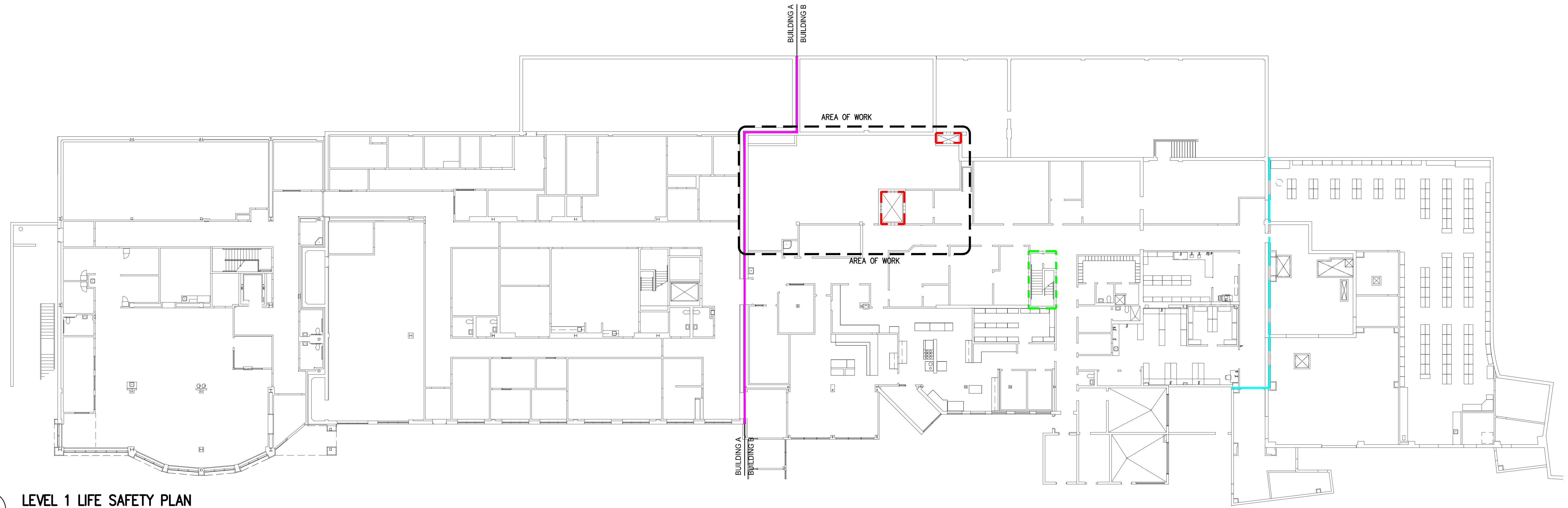
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SUMMARY OF WORK:

THE SCOPE OF WORK CONSISTS, BUT IS NOT LIMITED RENOVATIONS TO THE OPERATING ROOM AREA TO INCLUDE THE FLOOR PLAN CHANGES, ASBESTOS ABATEMENT, REPLACEMENT OF THE HVAC SYSTEM AND ELECTRICAL UPGRADES.

0"
1"
2"
3"



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A1
G1.01
LEVEL 1 LIFE SAFETY PLAN
N.T.S.

CODE INFORMATION

APPLICABLE CODES

2009 INTERNATIONAL BUILDING CODE
2009 INTERNATIONAL FIRE CODE
2009 INTERNATIONAL MECHANICAL CODE
2009 INTERNATIONAL FUEL AND GAS CODE, APPROVED CHAPTERS
2014 NATIONAL ELECTRIC CODE
2012 UNIFORM PLUMBING CODE
2010 NFPA 10
2010 NFPA 13
2010 NFPA 72
2010 NFPA 99
2012 NFPA 101
2014 FGI GUIDELINES FOR DESIGN AND CONSTRUCTION OF HOSPITALS AND OUTPATIENT FACILITIES
2009 ICC/ANSI A117.1 ACCESSIBLE AND USEABLE BUILDING AND FACILITIES
ALL FEDERAL, STATE, AND LOCAL AMENDMENTS TO THE AFOREMENTIONED CODES AND STANDARDS.

EXISTING BUILDING INFORMATION

USE: HOSPITAL
OCCUPANCY: INSTITUTIONAL GROUP I-2
CONSTRUCTION TYPE: TYPE II-A, REQUIRED FIRE-RESISTANCE RATING:
STRUCTURAL FRAME: 1 HOUR
BEARING WALLS: 1 HOUR
FLOOR CONSTRUCTION: 1 HOUR
ROOF CONSTRUCTION: 1 HOUR

AUTOMATIC SPRINKLER SYSTEM: NFPA 13

AREA:	BUILDING A	BUILDING B
LEVEL 1:	12,445SF	37,700SF
LEVEL 2:	25,232SF	43,410SF

HEIGHT: 40 FEET
NUMBER OF STORIES: 2 STORIES

CODE ANALYSIS

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES

FIRE-RESISTANCE RATINGS OF STRUCTURAL MEMBERS: EXISTING TO REMAIN, REFER TO CONSTRUCTION TYPE ABOVE. SECTION 704

FIRE BARRIERS: EXISTING FIRE BARRIERS SHALL BE MAINTAINED, REFER TO LIFE SAFETY PLAN TYPE ABOVE. SECTION 707

INCIDENTAL USES: PROVIDE NEW 1-HOUR FIRE BARRIER AROUND SOILED UTILITY ROOM. TABLE 508.2.5

SMOKE BARRIERS: EXISTING SMOKE BARRIER SHALL BE MAINTAINED, REFER TO LIFE SAFETY PLAN SECTION 710

HORIZONTAL ASSEMBLIES: 1-HOUR RATING SHALL BE MAINTAINED SECTION 712

PENETRATIONS: PENETRATIONS THROUGH RATED ASSEMBLIES (HORIZONTAL ASSEMBLIES, FIRE BARRIERS, SMOKE BARRIERS, ETC.) SHALL BE PROTECTED WITH AN APPROVED THROUGH-PENETRATIONS FIRE STOP SYSTEM. MEMBRANE PENETRATIONS SHALL COMPLY WITH SECTION 714.3.1. SECTION 713

FIRE-RESISTANT JOINT SYSTEMS: JOINTS INSTALLED IN OR BETWEEN FIRE-RESISTANCE-RATED CONSTRUCTION SHALL BE PROTECTED BY AN APPROVED FIRE-RESISTANT JOIN SYSTEM. SECTION 714

CHAPTER 8 - INTERIOR FINISHES

INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY: TABLE 803.9

EXIT PASSAGEWAYS:	CLASS B
CORRIDORS:	CLASS B
ROOMS AND ENCLOSED SPACES:	
ROOMS WITH LESS THAN 4 OCCUPANTS:	CLASS C
ADMINISTRATIVE SPACES:	CLASS C
OTHER ROOMS AND ENCLOSED SPACES:	CLASS B

CODE ANALYSIS CONTINUED

CHAPTER 9 - FIRE PROTECTION SYSTEMS

AUTOMATIC SPRINKLER SYSTEMS: REQUIRED, INSTALL IN ACCORDANCE WITH NFPA 13 SECTION 903

PORTABLE FIRE EXTINGUISHERS: REQUIRED, INSTALL IN ACCORDANCE WITH NFPA 10 SECTION 906

MANUAL FIRE ALARM: REQUIRED, INSTALL IN ACCORDANCE WITH NFPA 72 SECTION 907.2.6

AUTOMATIC SMOKE DETECTION: NOT REQUIRED SECTION 907.2.6.2

CHAPTER 10 - MEANS OF EGRESS

OCCUPANT LOAD: REFER TO LIFE SAFETY PLAN TABLE 1004.1.1

DOORS: DOORS USED FOR THE MOVEMENT OF BEDS PROVIDED A CLEAR WIDTH NOT LESS THAN 41½ INCHES. SECTION 1008.1.1

EXIT SIGNS: REQUIRED, REFER TO ELECTRICAL DRAWINGS SECTION 1011

COMMON PATH OF EGRESS TRAVEL: 75 FT SECTION 1014.3

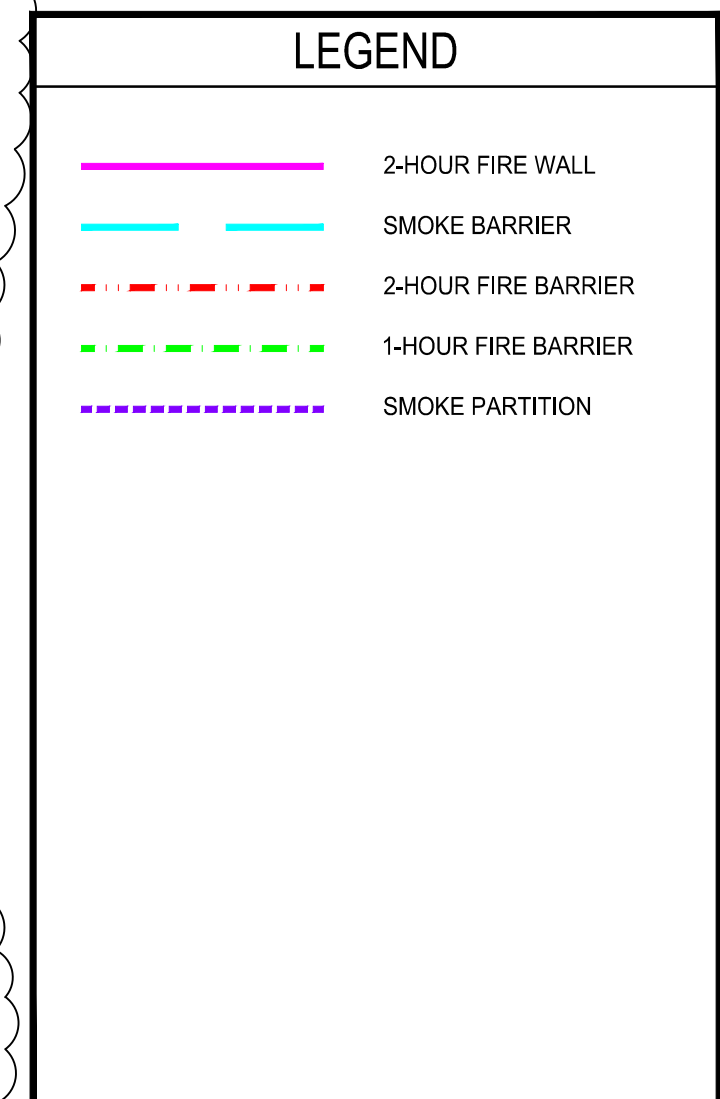
EXITS OR EXIT ACCESS DOORWAYS FROM SPACES: 2 EXITS REQUIRED WHERE ROOM OR SUITE OF ROOMS IS GREATER THAN 2,500 SF SECTION 1014.2.4.2

EXIT ACCESS TRAVEL DISTANCE: 200 FT TABLE 1016.1

CORRIDOR FIRE-RESISTANCE RATING: 0-HOURS. CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE. TABLE 1018.1

CORRIDOR WIDTH: 96 INCHES WHERE REQUIRED FOR BED MOVEMENT. SECTION 1018.2

DEAD ENDS: 20 FT SECTION 1018.4



REVISIONS:
ADDENDUM #2 2/24/17

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DRAWING TITLE:
LEVEL 1 LIFE SAFETY PLAN

SHEET:
G1.01

0"
1"
2"
3"



LEGEND	
	2-HOUR FIRE WALL
	SMOKE BARRIER
	2-HOUR FIRE BARRIER
	1-HOUR FIRE BARRIER
	SMOKE PARTITION

A1
G1.02 LEVEL 2 LIFE SAFETY PLAN
N.T.S.



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LEVEL 2 LIFE SAFETY PLAN

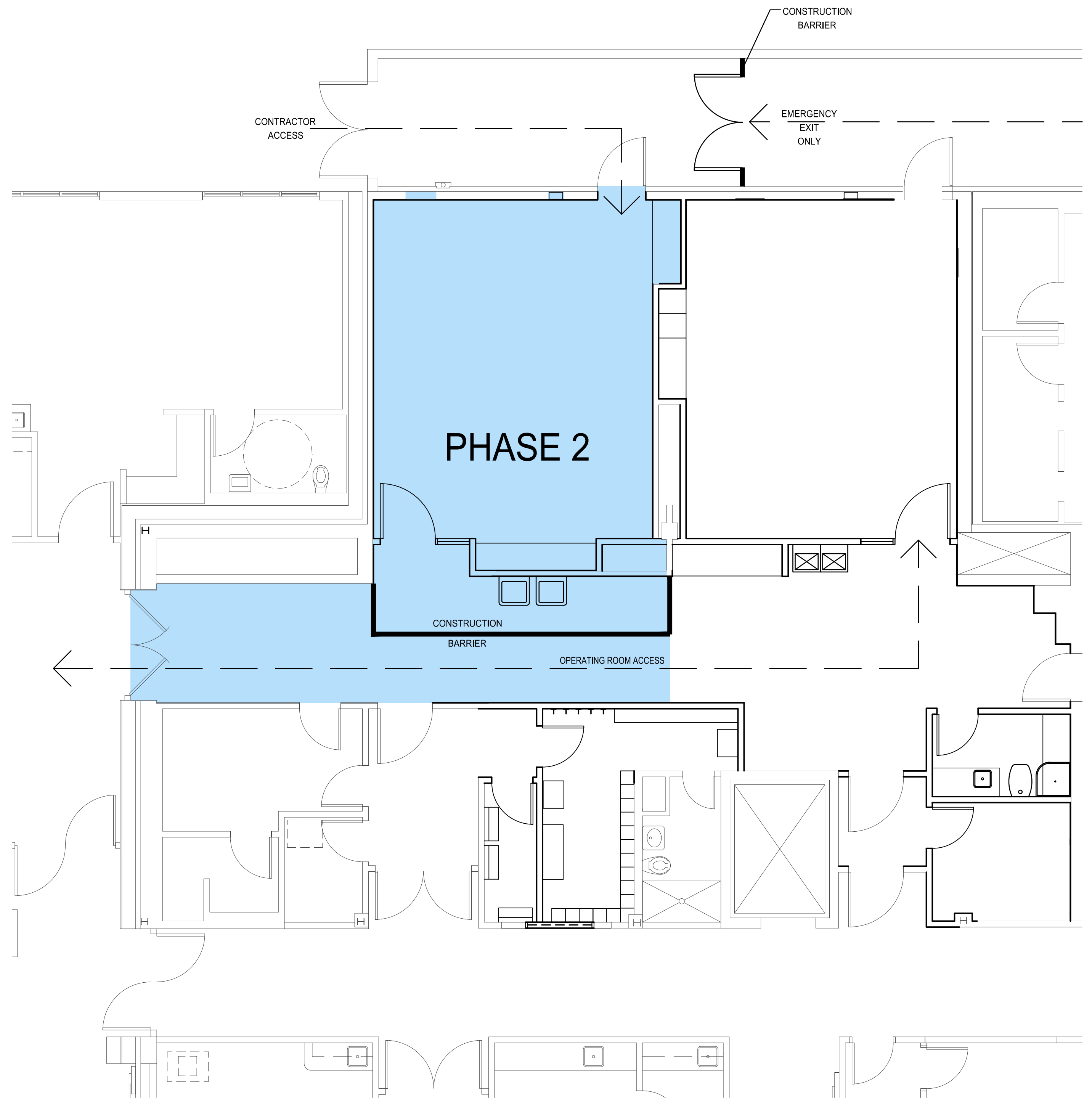
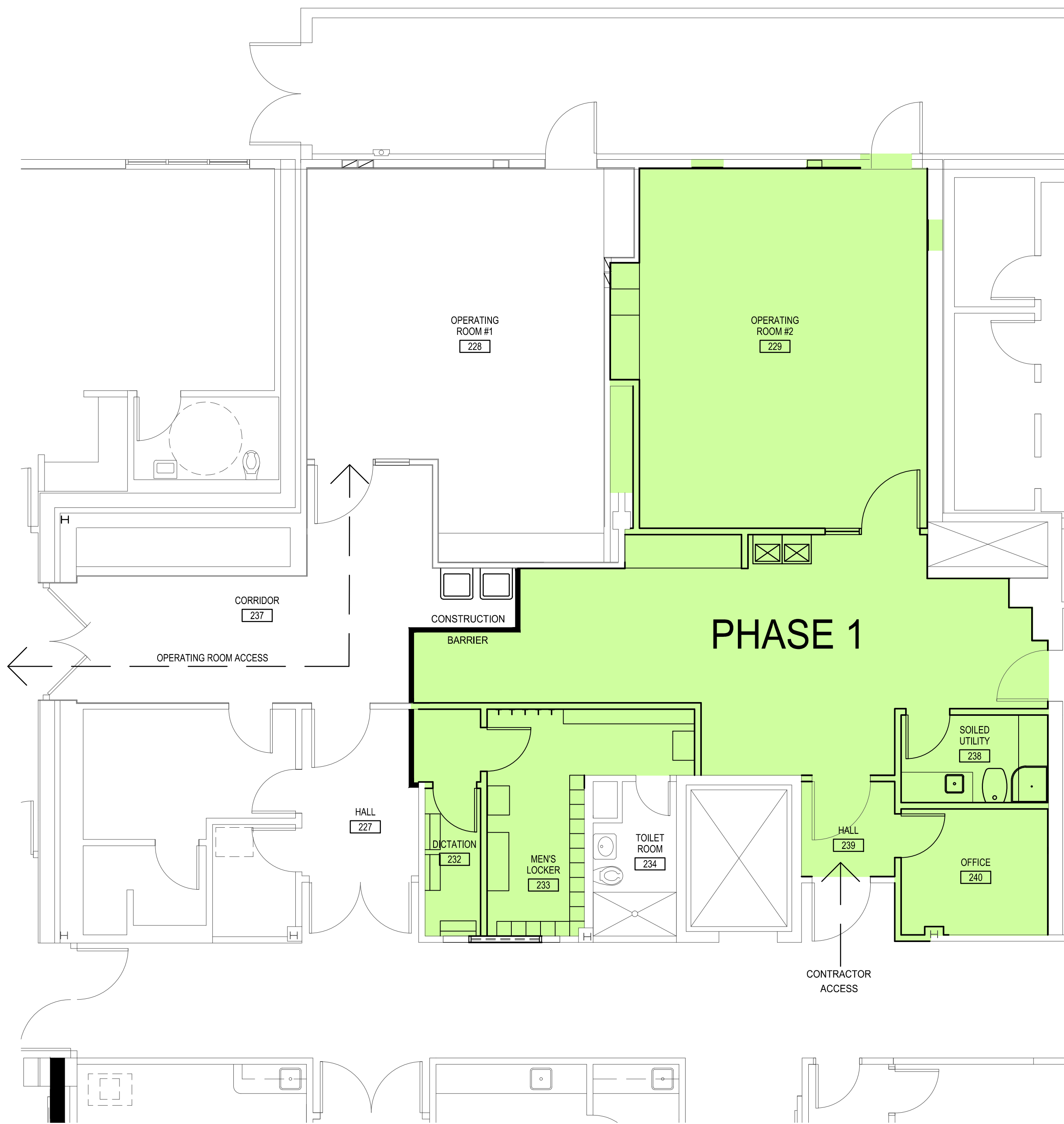
SHEET:
G1.02

PHASING & CONSTRUCTION NOTES

1. OPERATING ROOMS MUST REMAIN OPERATIONAL AT ALL TIMES.
2. WORKERS, EQUIPMENT, MATERIALS, AND CONSTRUCTION WASTE WILL NEED TO PASS THROUGH STERILE AREA TO COMPLETE WORK. WORKERS WILL BE REQUIRED TO GOWN UP. MATERIALS, EQUIPMENT, AND WASTE SHALL BE COVERED WHEN PASSING THROUGH STERILE AREA. DELIVERIES SHALL BE SCHEDULED WITH FACILITY TO AVOID DISRUPTIONS.
3. WORK THAT WILL GENERATE NOISE AND VIBRATION SHALL BE COORDINATED WITH FACILITY TO MINIMIZE DISRUPTION TO OPERATIONS.
4. ANY SHUTDOWNS NECESSARY TO COMPLETE CONSTRUCTION SHALL BE CAREFULLY PLANNED AND SCHEDULED WITH FACILITY TO MINIMIZE THE DOWNTIME TO AS SHORT AS POSSIBLE.
5. AREA OF WORK SHALL BE ISOLATED TO PREVENT DUST, FUMES, AND ODORS FROM ENTERING OCCUPIED AREAS. MAINTAIN NEGATIVE AIR PRESSURE WITHIN WORK AREA USING HEPA-EQUIPPED AIR-FILTRATION UNITS.
6. WHERE WORK IS REQUIRED OUTSIDE OF CONSTRUCTION BARRIERS USE VACUUM COLLECTION ATTACHMENTS ON DUST PRODUCING EQUIPMENT. ISOLATE WORK USING PORTABLE DUST-CONTAINMENT DEVICES. SCHEDULE WORK WITH FACILITY TO MINIMIZE DISRUPTION.
7. PERFORM DAILY CONSTRUCTION CLEANUP AND FINAL CLEANUP USING APPROVED HEPA-FILTER EQUIPPED VACUUM EQUIPMENT.
8. PHASED WORK IS NOT LIMITED TO AREAS SHOWN ON THIS PLAN. REFER TO MECHANICAL AND ELECTRICAL FOR PHASING OF EQUIPMENT ON THE FIRST FLOOR, SECOND FLOOR, AND ROOF.

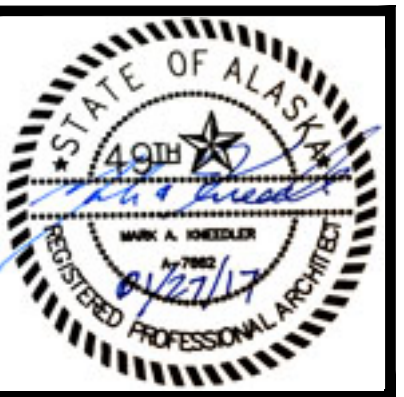
NOTIFICATION OF POTENTIAL HAZARD

NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.



A1 PHASE 1 - LEVEL 2 FLOOR PLAN
G2.01 N.T.S.

A3 PHASE 2 - LEVEL 2 FLOOR PLAN
G2.01 N.T.S.



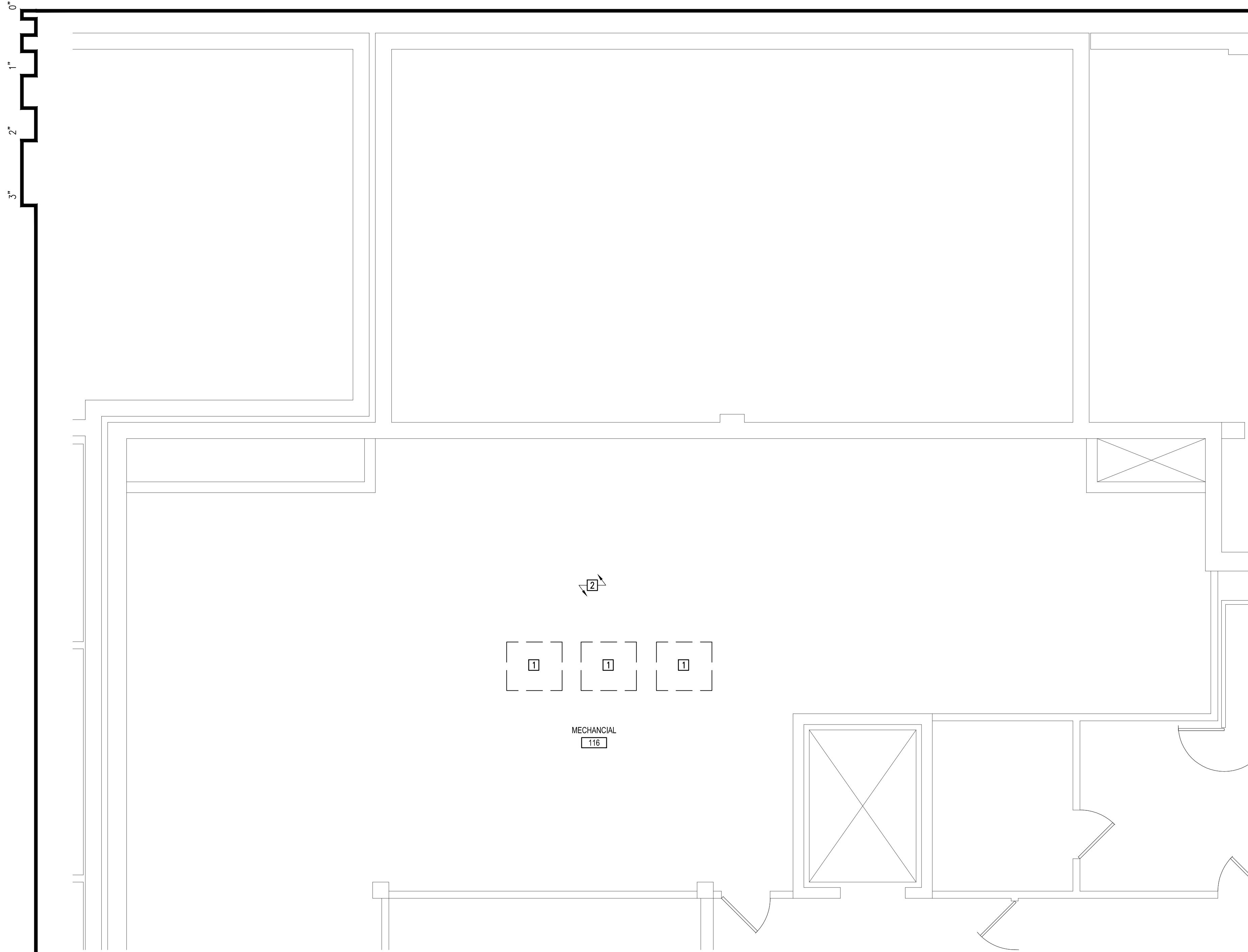
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 PHASING PLAN

SHEET:
G2.01



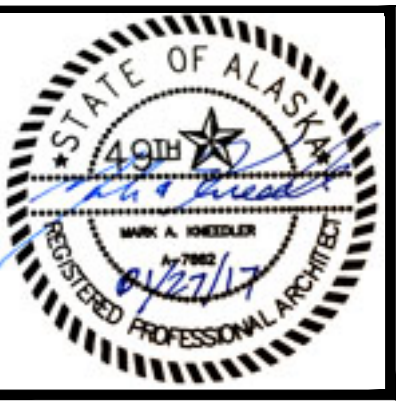
SHEET NOTES

- 1 DEMOLISH HOUSEKEEPING PAD, REFER TO STRUCTURAL.
- 2 REMOVE ACOUSTIC CEILING TILE, GRID, AND MECHANICAL/ELECTRICAL DEVICES (ABOVE) AS REQUIRED TO COMPLETE WORK. STORE ACOUSTIC CEILING TILE AND GRID MATERIAL FOR REINSTALLATION AS APPROPRIATE. IF DAMAGED PROVIDE NEW TILE AND GRID TO MATCH.

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A1 DEMO LEVEL 1 FLOOR PLAN
 A1.11 1/4" = 1'-0"



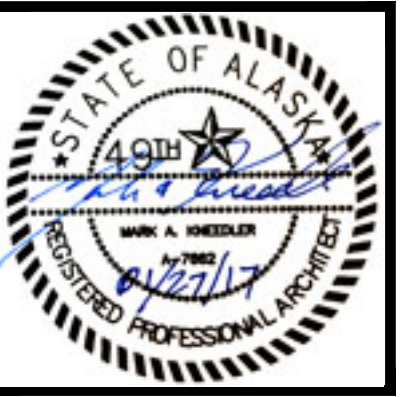
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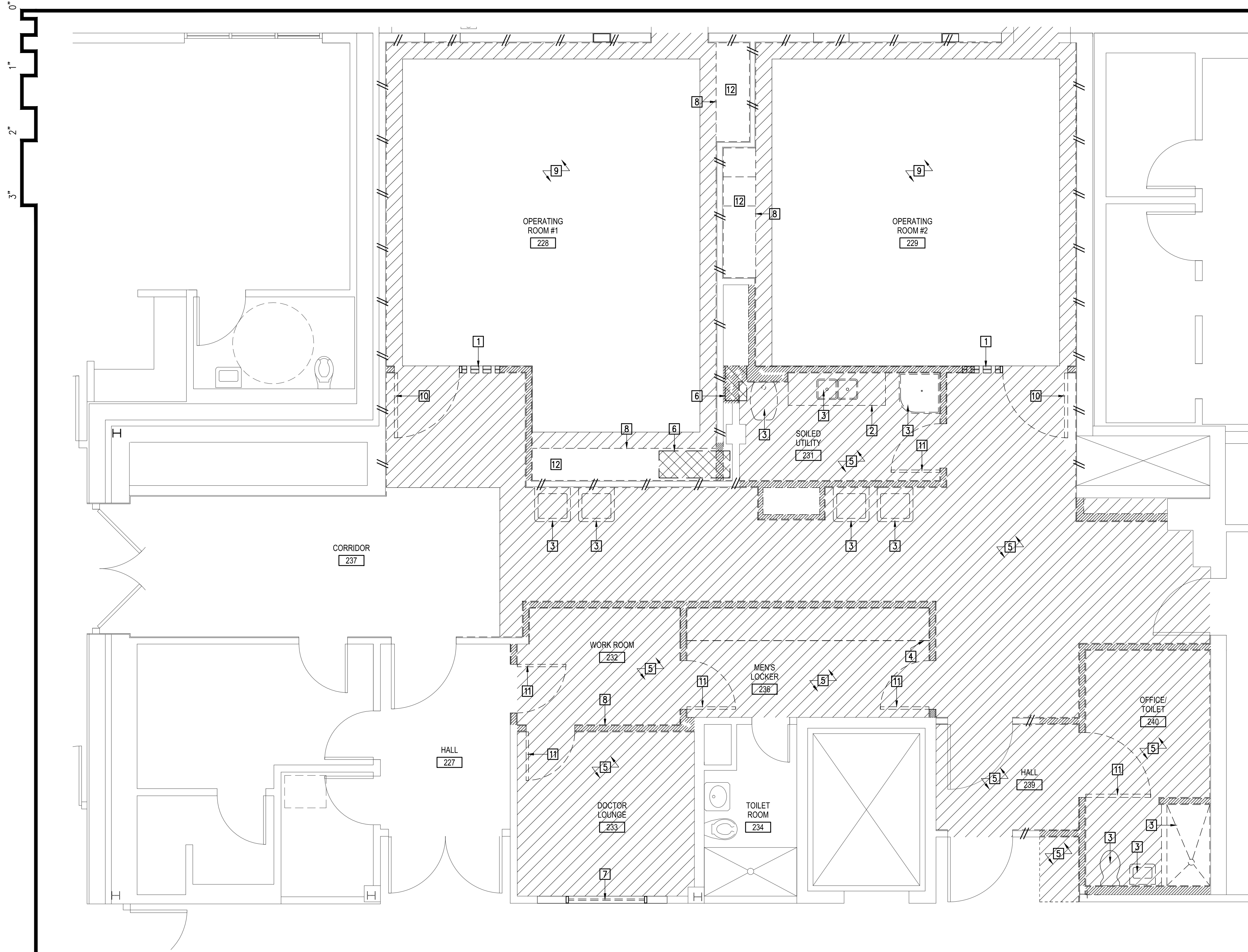
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 DEMO LEVEL 1 FLOOR
 PLAN

SHEET:
A1.11



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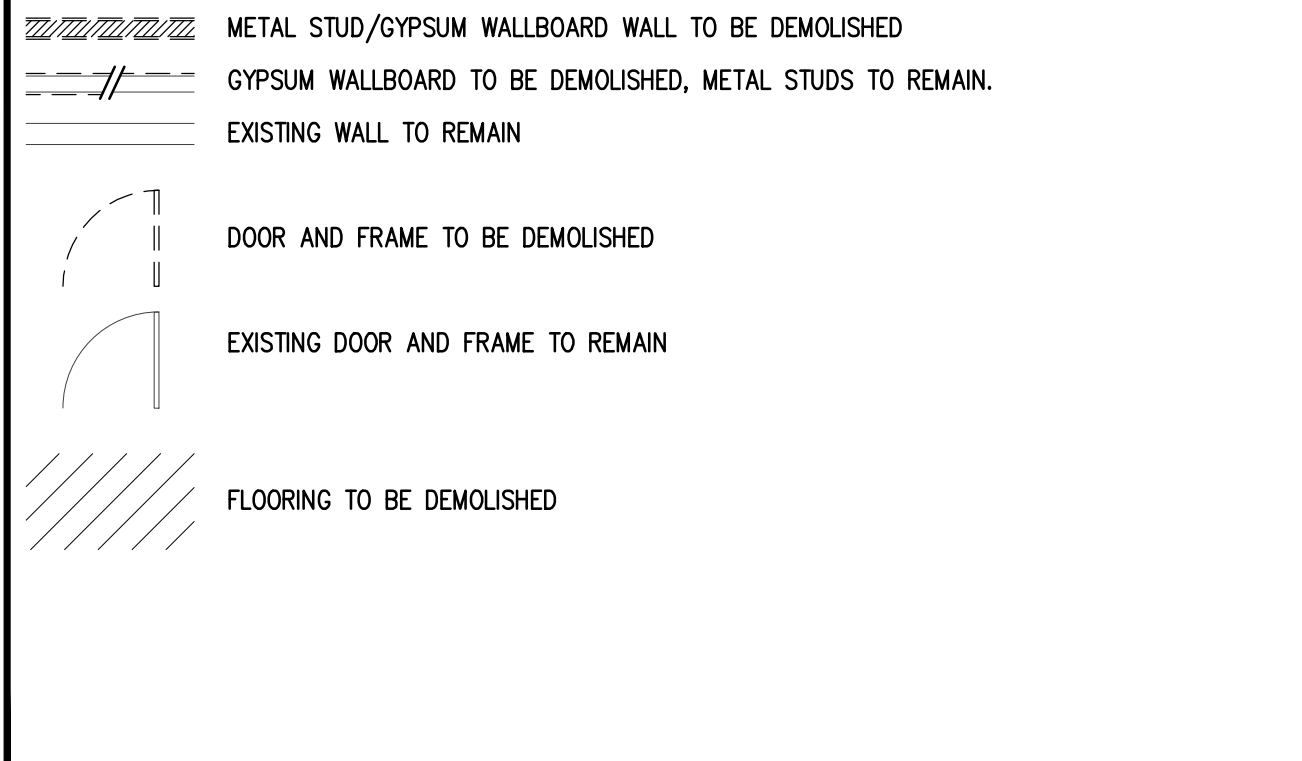
SHEET NOTES

DEFINITIONS:
DEMOLISH: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF SITE UNLESS INDICATED TO BE REMOVED FOR REUSE.
REMOVE FOR REUSE: CAREFULLY DETACH FROM EXISTING CONSTRUCTION IN A MANNER TO PREVENT DAMAGE, PREPARE FOR REUSE AND INSTALL WHERE INDICATED.
EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE PERMANENTLY REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED FOR REUSE OR DEMOLISHED.

1 DEMOLISH SIDELITE
2 DEMOLISH COUNTER AND CABINETS
3 DEMOLISH PLUMBING FIXTURE, REFER TO MECHANICAL DRAWINGS.
4 REMOVE LOCKERS FOR REUSE IN THIS PROJECT.
5 DEMOLISH SHEET VINYL FLOOR.
6 CUT SLAB AS NECESSARY FOR NEW DUCTWORK. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS.
7 DEMOLISH RELITE.
8 REMOVE CASEWORK FOR REUSE IN THIS PROJECT.

9 EXISTING SHEET VINYL FLOORING TO REMAIN, DEMOLISH PERIMETER AS NECESSARY FOR INSTALLATION OF NEW INTEGRAL COVE BASE.
10 REMOVE DOOR OPERATOR AND DOOR HARDWARE FOR REUSE. DEMOLISH DOOR AND FRAME.
11 REMOVE DOOR HARDWARE FOR REUSE. DEMOLISH DOOR AND FRAME.
12 PLATFORM AND SOFFIT FRAMING FOR STORAGE CASEWORK TO REMAIN.

LEGEND



NOTIFICATION OF POTENTIAL HAZARD

NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

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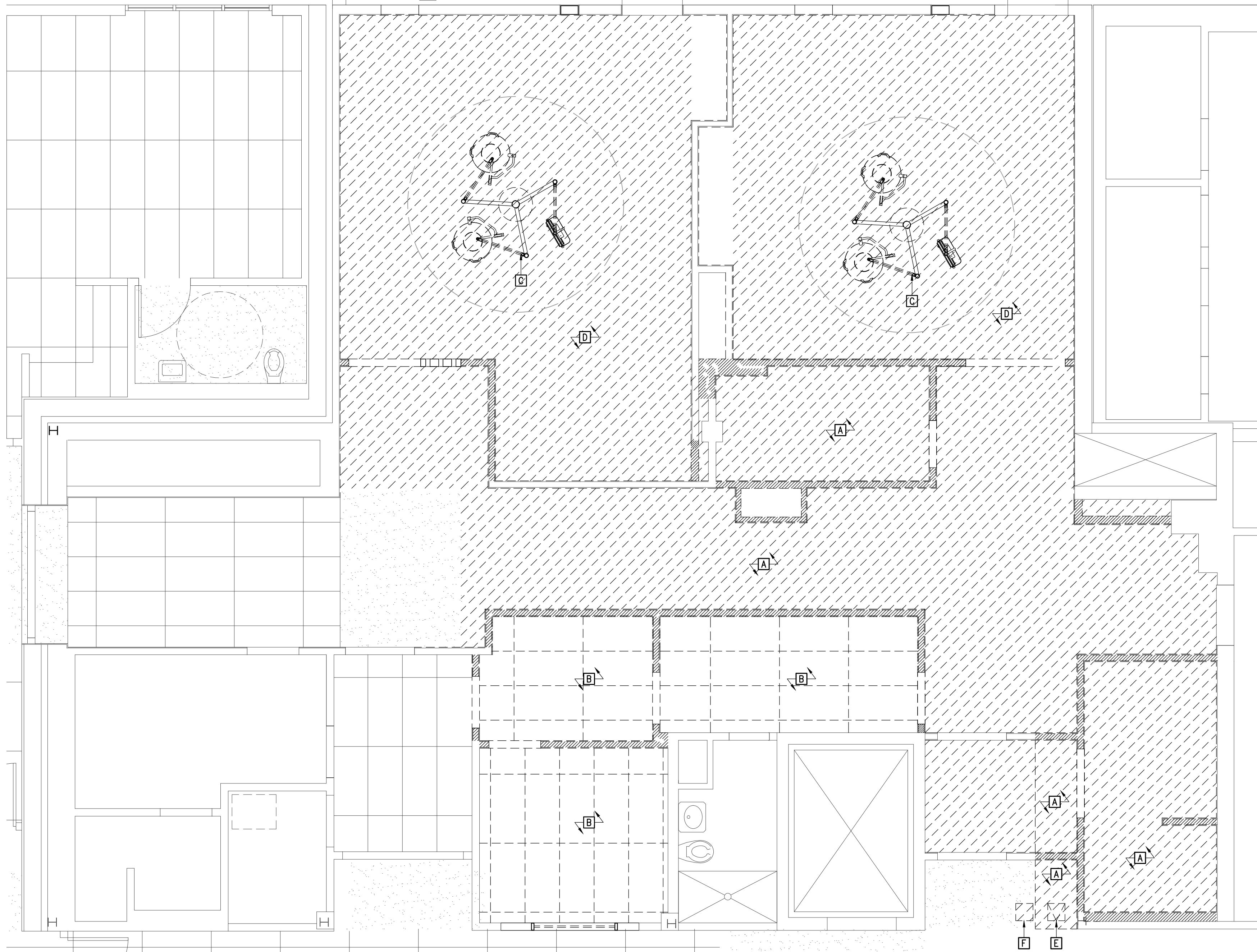
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DRAWING TITLE:
 DEMO FLOOR PLAN

A1
 A1.21
DEMO FLOOR PLAN
 1/4" = 1'-0"

SHEET:
A1.21

0"
1"
2"
3"



SHEET NOTES

DEFINITIONS:
DEMOLISH: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF SITE UNLESS INDICATED TO BE REMOVED FOR REUSE.
REMOVE FOR REUSE: CAREFULLY DETACH FROM EXISTING CONSTRUCTION IN A MANNER TO PREVENT DAMAGE, PREPARE FOR REUSE AND INSTALL WHERE INDICATED.
EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE PERMANENTLY REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED FOR REUSE OR DEMOLISHED

[A] DEMOLISH GYPSUM WALLBOARD CEILING INCLUDING LIGHTS, MECHANICAL GRILLS AND DIFFUSERS, ETC. SEE ELECTRICAL FOR LIGHT LOCATIONS.
[B] DEMOLISH ACOUSTIC CEILING TILE, GRID INCLUDING LIGHTS, MECHANICAL GRILL AND DIFFUSERS, ETC. AS REQUIRED FOR NEW CONSTRUCTION.
[C] REMOVE LIGHT BOOM, STORE FOR REUSE.
[D] DEMOLISH GYPSUM WALLBOARD CEILING, MECHANICAL GRILLS AND DIFFUSERS, ETC. REMOVE LIGHTS, STORE FOR REUSE IN THIS PROJECT. SEE ELECTRICAL FOR LIGHT LOCATIONS AS REQUIRED FOR NEW CONSTRUCTION.
[E] REMOVE HATCH FOR REUSE.
[F] DEMO CEILING AS REQUIRED FOR REINSTALLATION OF HATCH

LEGEND

METAL STUD/GYPSUM WALLBOARD WALL TO BE DEMOLISHED
 GYPSUM WALLBOARD TO BE DEMOLISHED, METAL STUDS TO REMAIN.
 EXISTING WALL TO REMAIN
 GYPSUM CEILING TO BE DEMOLISHED
 ACOUSTIC CEILING TO BE DEMOLISHED

NOTIFICATION OF POTENTIAL HAZARD

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A1 **DEMO LEVEL 2 REFLECTED CEILING PLAN**
 A1.22 1/4" = 1'-0"



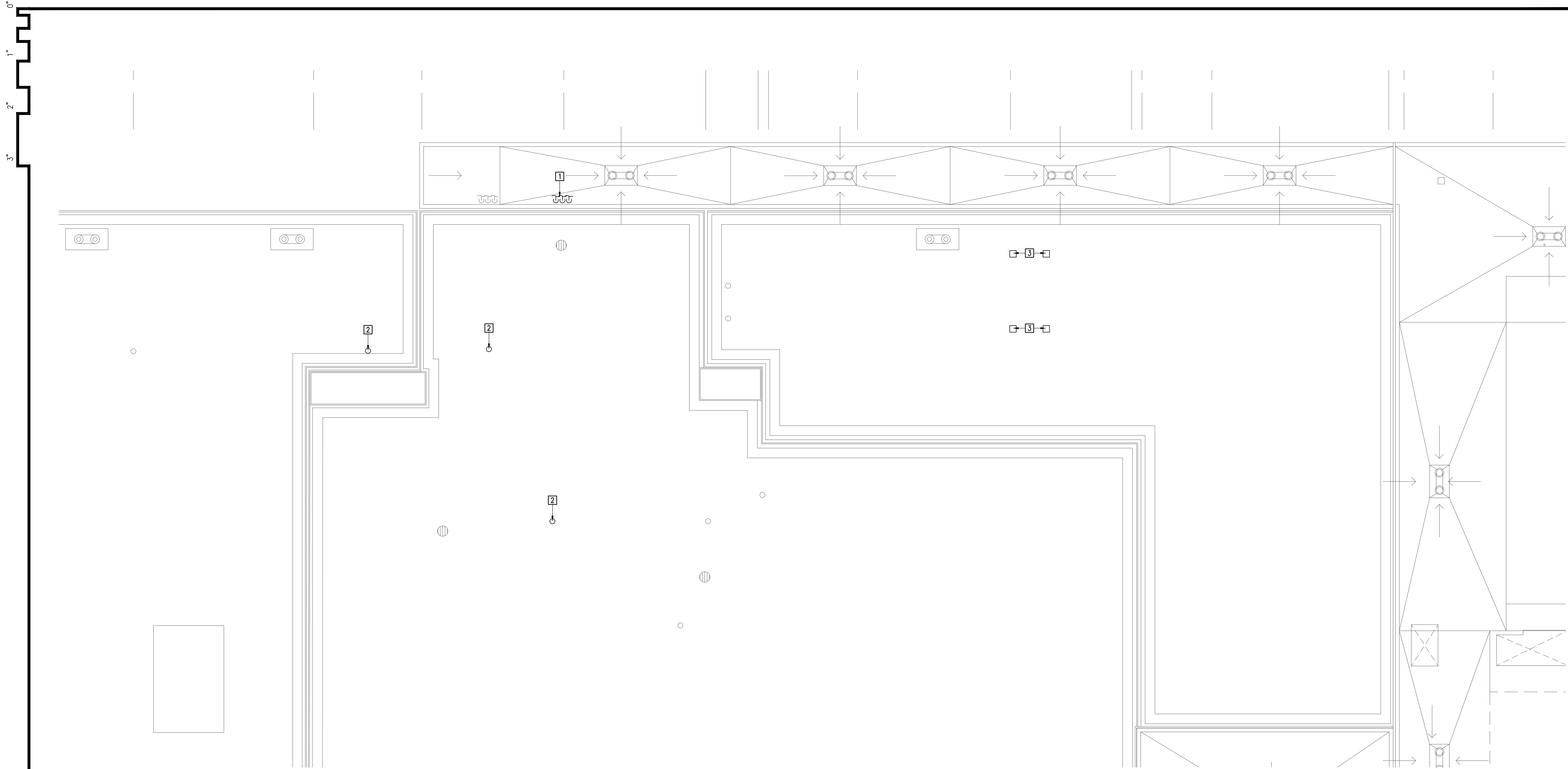
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 DEMO LEVEL 2 REFLECTED
 CEILING PLAN

SHEET:
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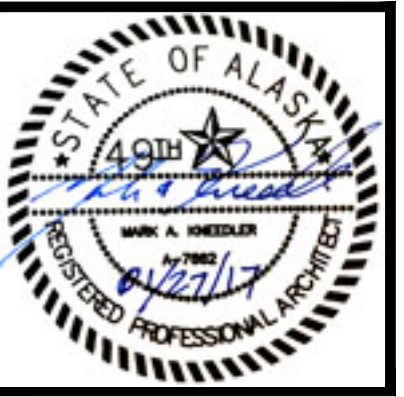
SHEET NOTES

- 1 CONDENSER PIPES TO BE DEMOLISHED, REFER TO MECHANICAL DRAWINGS.
- 2 VENT THROUGH ROOF TO BE DEMOLISHED, REFER TO MECHANICAL DRAWINGS.
- 3 DEMOLISH ROOF AS REQUIRED FOR NEW STRUCTURAL SUPPORTS, REFER TO MECHANICAL AND STRUCTURAL DRAWINGS.

NOTIFICATION OF POTENTIAL HAZARD

NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

A1
A1.31 **DEMO ROOF PLAN**
1/8" = 1'-0"



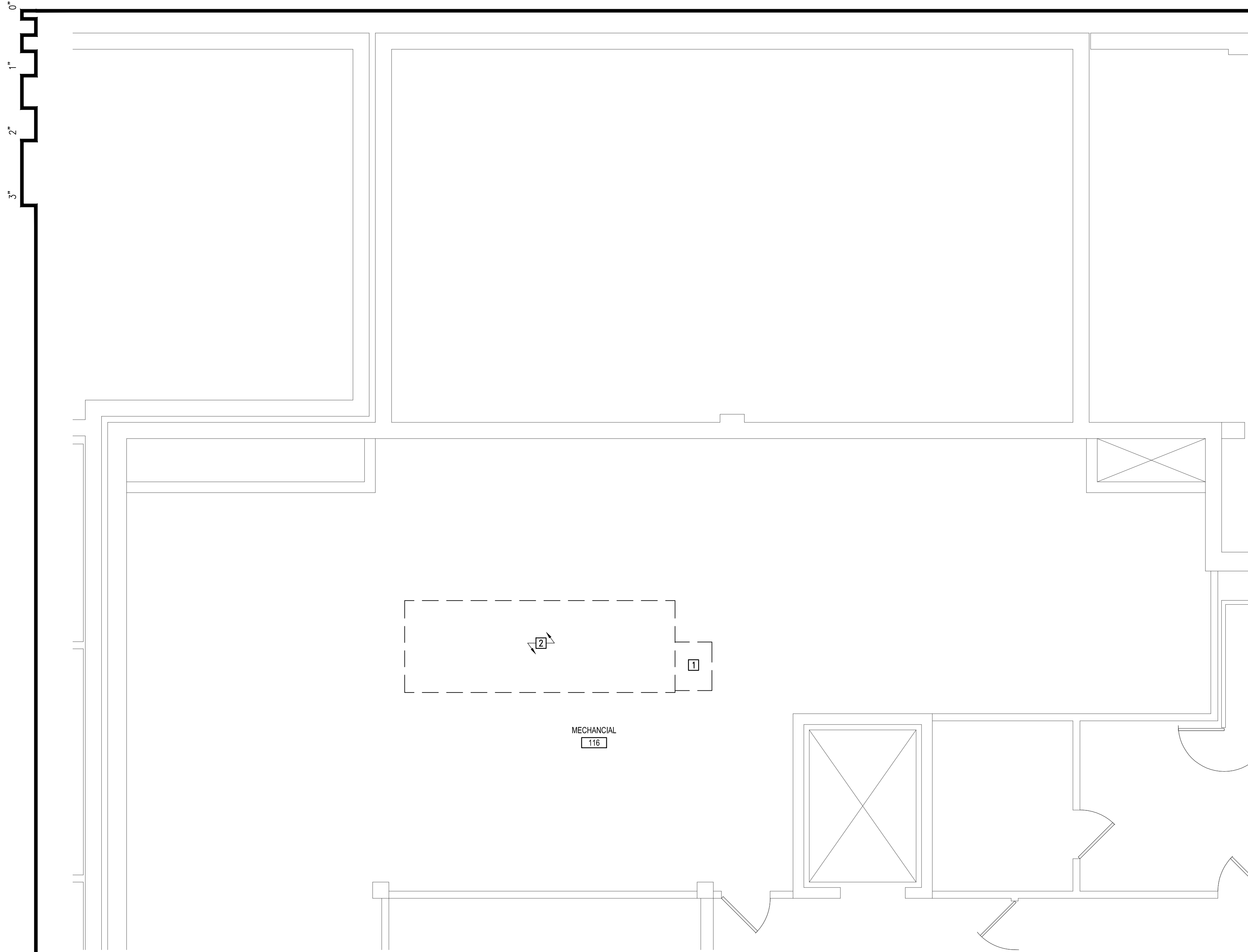
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SHEET:
A1.31



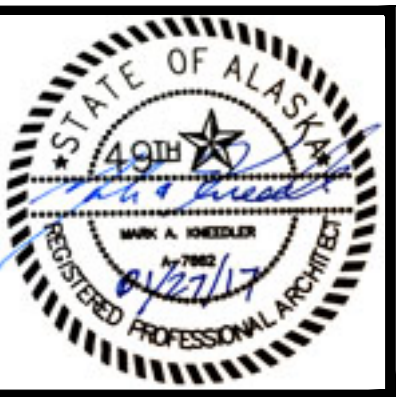
SHEET NOTES

- 1 PATCH CONCRETE FLOOR, REFER TO STRUCTURAL.
- 2 HOUSEKEEPING PAD, REFER TO STRUCTURAL AND MECHANICAL.

NOTIFICATION OF POTENTIAL HAZARD

ASBESTOS, LEAD, AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. REGULATED AIR CONTAMINANTS, INCLUDING ASBESTOS AND LEAD, ARE ALSO PRESENT IN SETTLED AND CONCEALED DUST IN AND ON ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL COMPONENTS OR SYSTEMS THROUGHOUT THE BUILDING. THE CONTRACTOR SHALL REQUIRE THEIR PERSONNEL AND ALL SUBCONTRACTOR PERSONAL TO COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO SPECIFICATION SECTION 00230, HAZARDOUS MATERIAL SURVEY REPORT, SECTION 01561, AIRBORNE CONTAMINANT CONTROL; AND DIVISION 13 SPECIFICATIONS FOR SPECIFIC INFORMATION CONCERNING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS AND COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

A1 LEVEL 1 FLOOR PLAN
A2.11 1/4" = 1'-0"



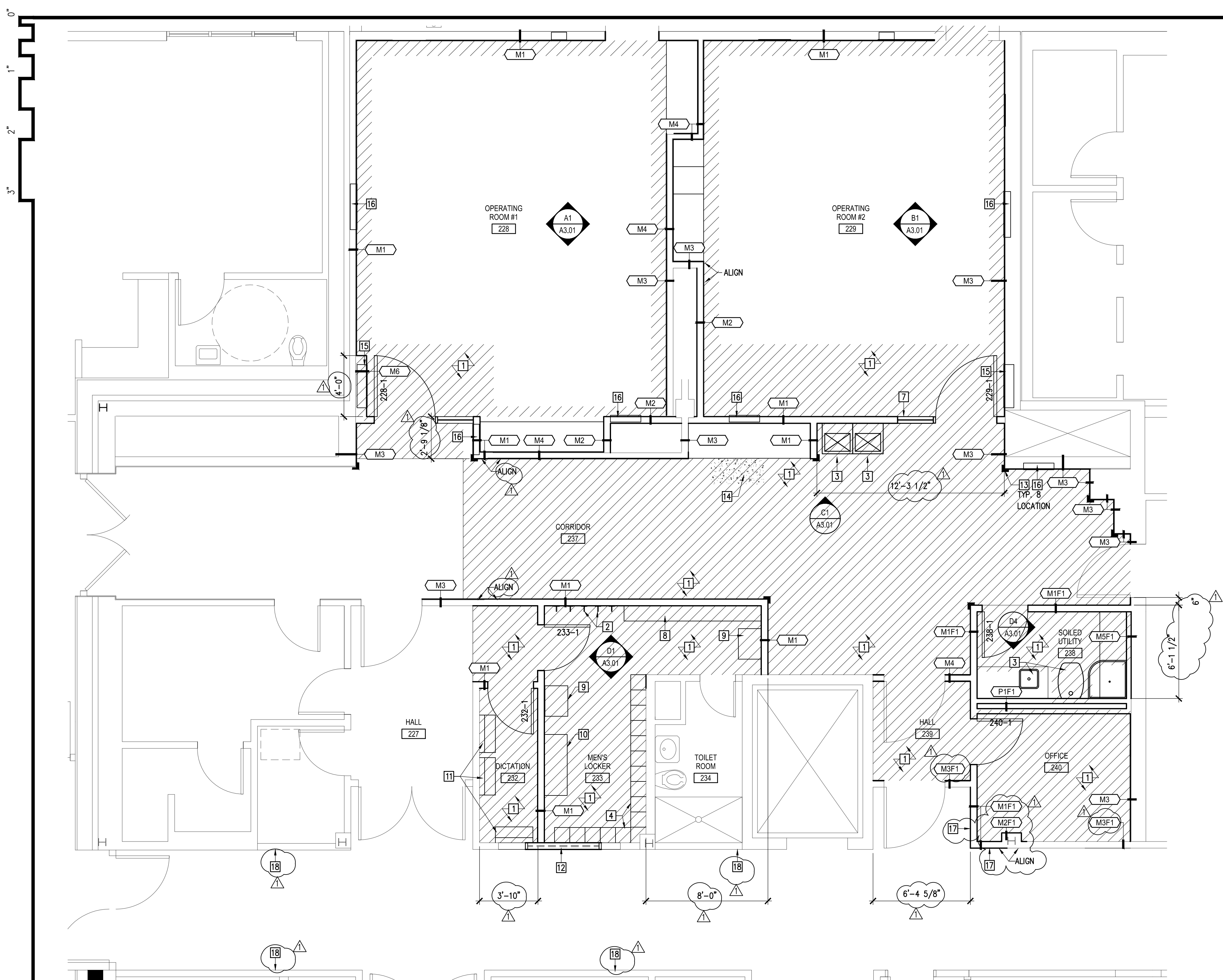
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 DWG FILE: L6139ESERIES

DRAWING TITLE:
 LEVEL 1 FLOOR PLAN

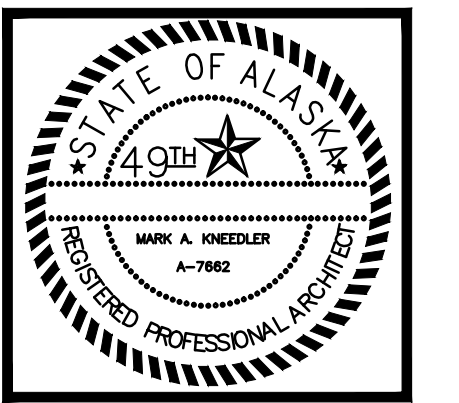
SHEET:
A2.11



SHEET NOTES	
1	NEW FLOORING, REFER TO FINISH SCHEDULE.
2	COAT HOOKS
3	PLUMBING FIXTURE, REFER TO MECHANICAL DRAWINGS.
4	LOCKERS.
5	STORAGE CABINETS.
6	COUNTER WITH CABINETS BELOW.
7	SIDELITE.
8	SHELVING.
9	O.F.O.I. DIRTY LINEN BIN.
10	BENCH.
11	ENOVATE OR SIMILAR COMPUTER WALL MOUNT.
12	INFILL WALL WITH METAL STUD/GYPSUM WALLBOARD CONSTRUCTION.
13	48" HIGH CORNER GUARDS
14	CONCRETE PATCH, SEE STRUCTURAL DRAWINGS.
15	ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS.
16	MEDGAS PANEL, REFER TO MECHANICAL DRAWINGS.
17	INSTALL NEW PAINT AND RUBBER BASE TO MATCH EXISTING
18	INFILL PENETRATIONS IN FIRE & SMOKE RATED WALLS WITH METAL STUDS AND GYPSUM WALLBOARD AS NECESSARY TO MAINTAIN THE WALL RATING. SEE SHEET M103, SHEET NOTE 1 FOR LOCATIONS.

LEGEND	
	NEW METAL STUD/GYPSUM WALLBOARD WALL
	EXISTING WALL TO REMAIN
	NEW DOOR AND FRAME
	EXISTING DOOR AND FRAME

A1 LEVEL 2 FLOOR PLAN
 A2.21 1/4" = 1'-0"



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REVISIONS:	
△	ADDENDUM #2 2/22/17

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DATE:	1/27/17
JOB NUMBER:	L6191.00
DWG FILE:	L6139ESERIES

DRAWING TITLE:
 LEVEL 2 FLOOR PLAN

SHEET:
A2.21



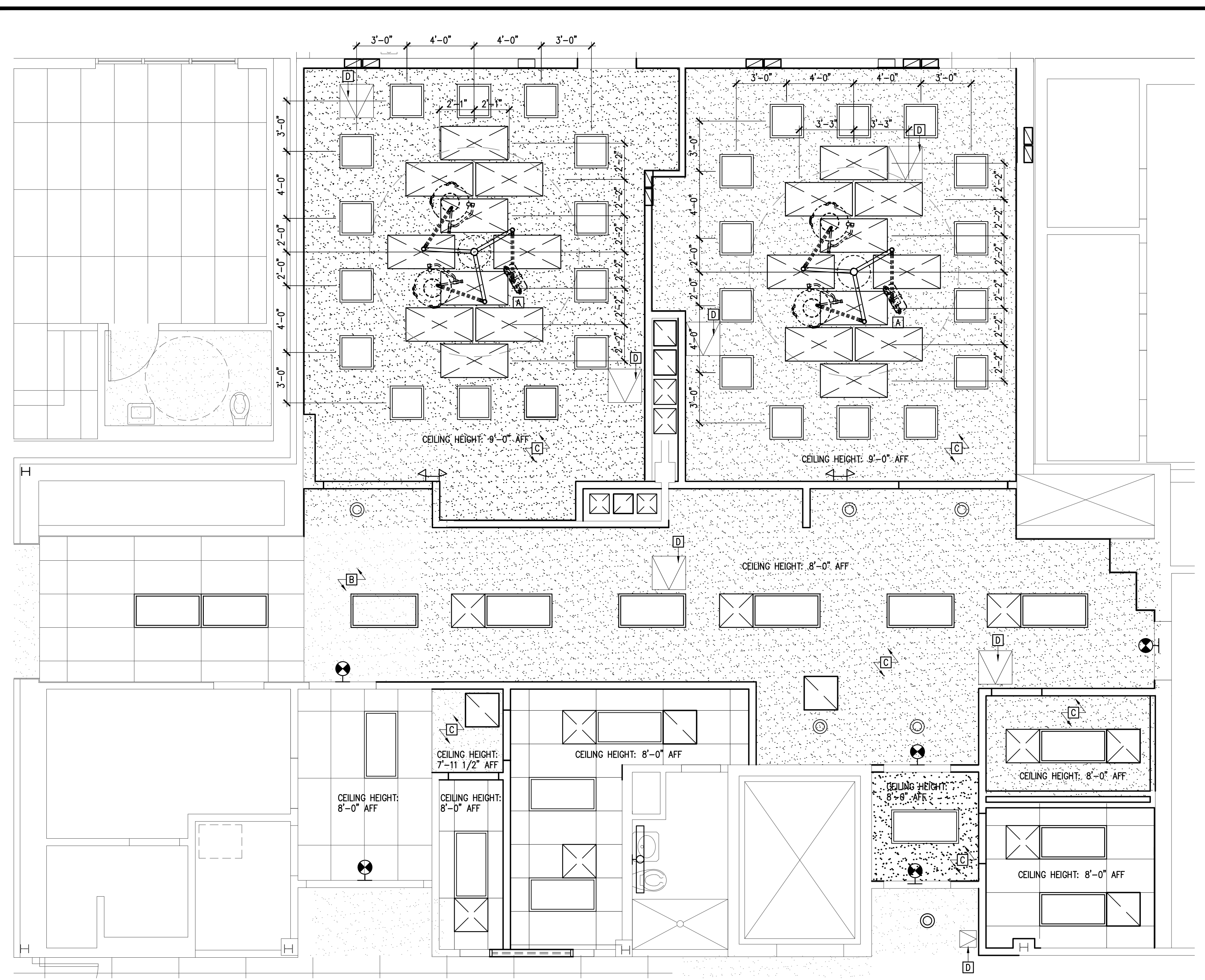
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 DWG FILE: L6198ESERIES

DRAWING TITLE:
 LEVEL 2 REFLECTED
 CEILING PLAN

SHEET:
A2.22



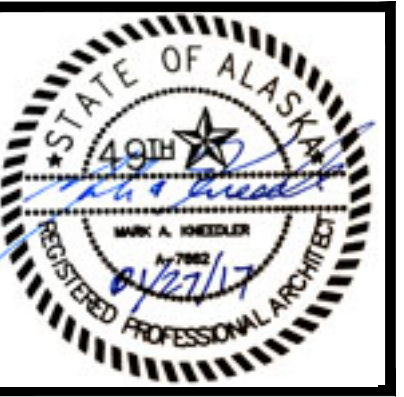
SHEET NOTES

- [A] REINSTALL LIGHT BOOM TO EXISTING STRUCTURAL SUPPORTS.
- [B] PATCH AND REPAINT GYPSUM WALLBOARD CEILING.
- [C] NEW GYPSUM WALLBOARD CEILING SYSTEM.
- [D] INSTALL ACCESS HATCH

LEGEND

- NEW METAL STUD/GYPSUM WALLBOARD WALL
- EXISTING WALL TO REMAIN
- NEW GYPSUM WALLBOARD CEILING
- NEW ACOUSTIC CEILING TILE AND GRID
- NEW LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- NEW MECHANICAL GRILLE/DIFFUSER, REFER TO MECHANICAL DRAWINGS

A1 **LEVEL 2 REFLECTED CEILING PLAN**
 A2.22 1/4" = 1'-0"



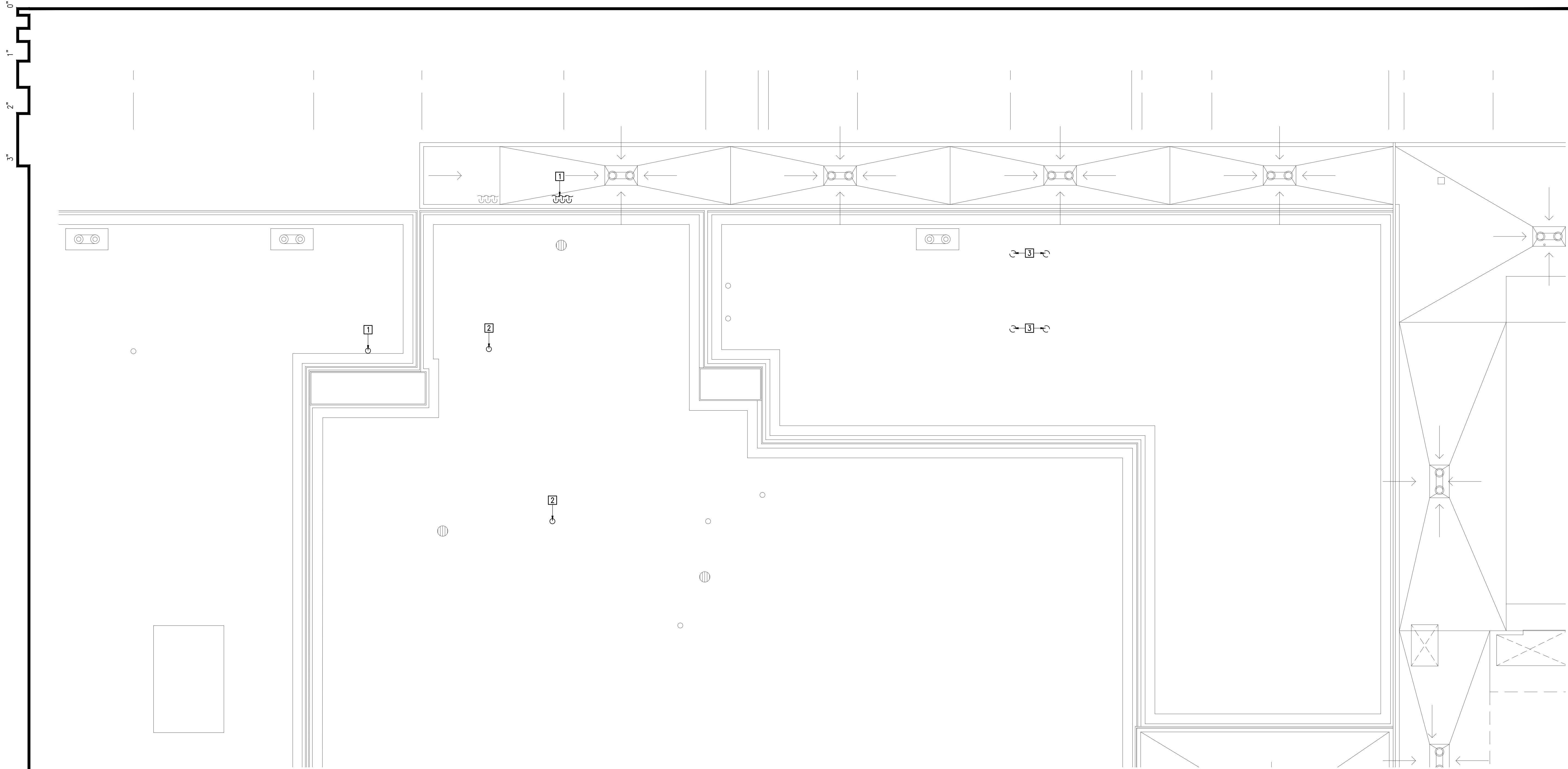
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DRAWING TITLE:
 ROOF PLAN

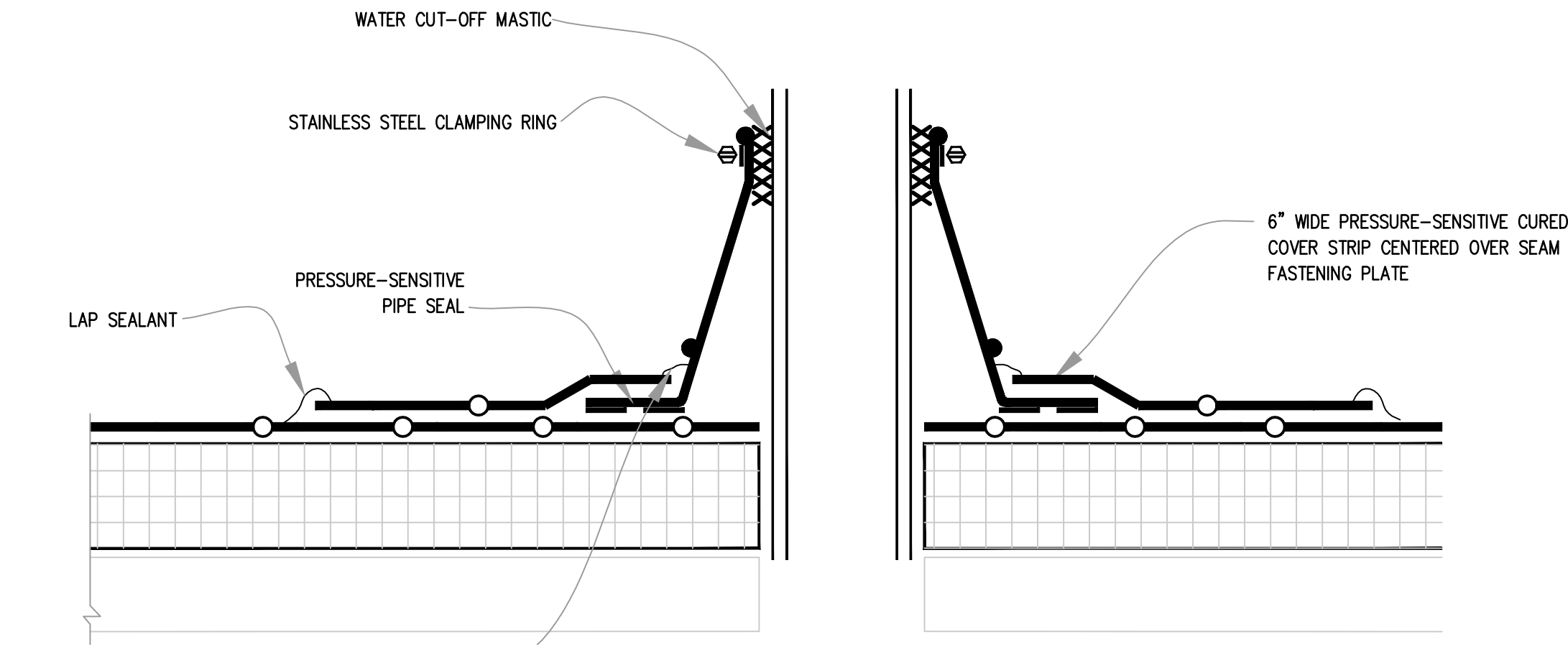
SHEET:
A2.31



SHEET NOTES

GENERAL NOTE: ROOF REPAIR SHALL BE PERFORMED BY INSTALLERS APPROVED BY THE MEMBRANE MANUFACTURER USING MEANS AND METHODS THAT WILL NOT VOID THE ROOF WARRANTY. PENETRATIONS SHALL BE FILLED WITH "LIKE MATERIALS", APPROVED BY THE ROOFING MANUFACTURER AND ABLE TO SUPPORT NEW MEMBRANE.

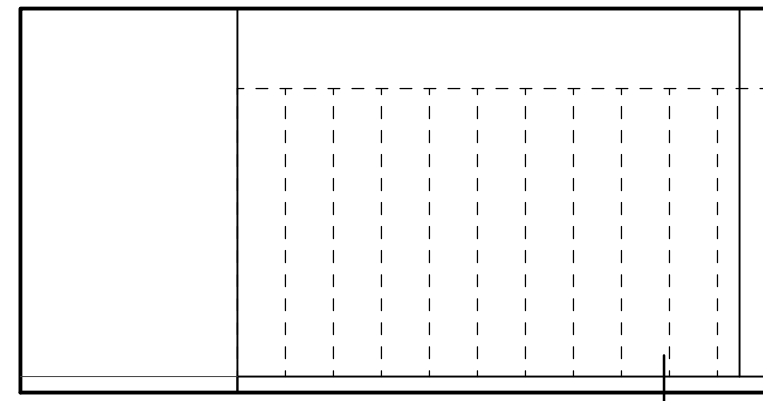
1 REPAIR PENETRATION IN ROOF DECKING, VAPOR RETARDER, INSULATION AND EPDM ROOF MEMBRANE.
 2 REPAIR PENETRATION IN ROOF DECKING, VAPOR RETARDER, INSULATION, AND BUILT-UP ROOF.
 3 NEW CHILLER SUPPORTS, REFER TO MECHANICAL AND STRUCTURAL DRAWINGS. SEE DETAIL A2.31 FOR FLASHING DETAILS.



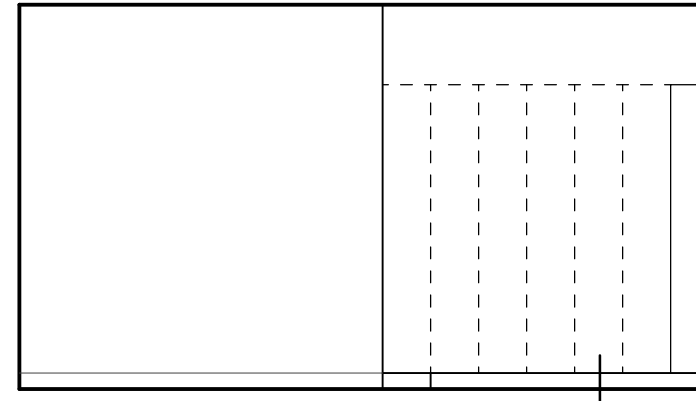
A1 **ROOF PLAN**
 A2.31 1/8" = 1'-0"

A2 **ROOF DETAIL**
 A2.31 N.T.S.

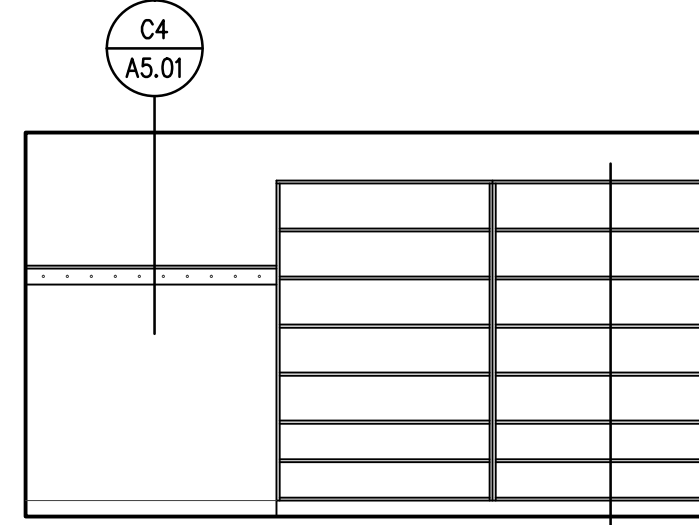
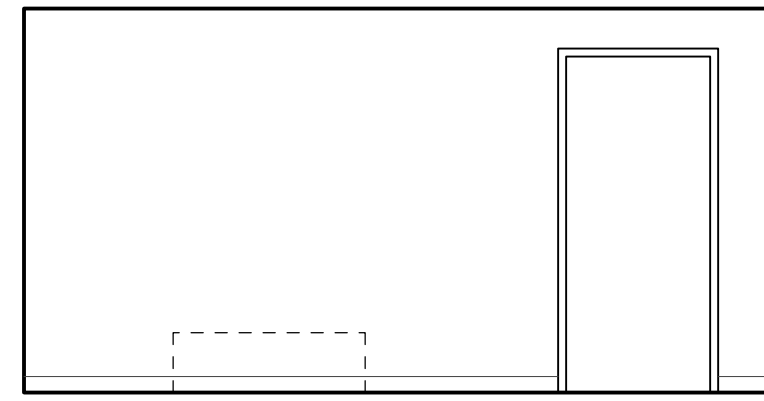
0"
1"
2"
3"



A2
A5.01

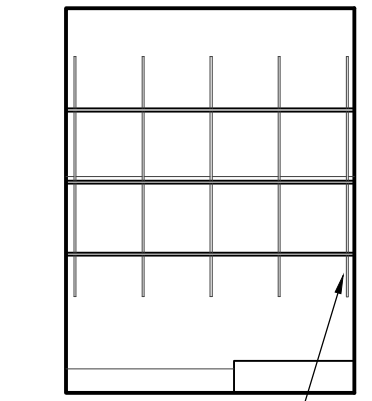
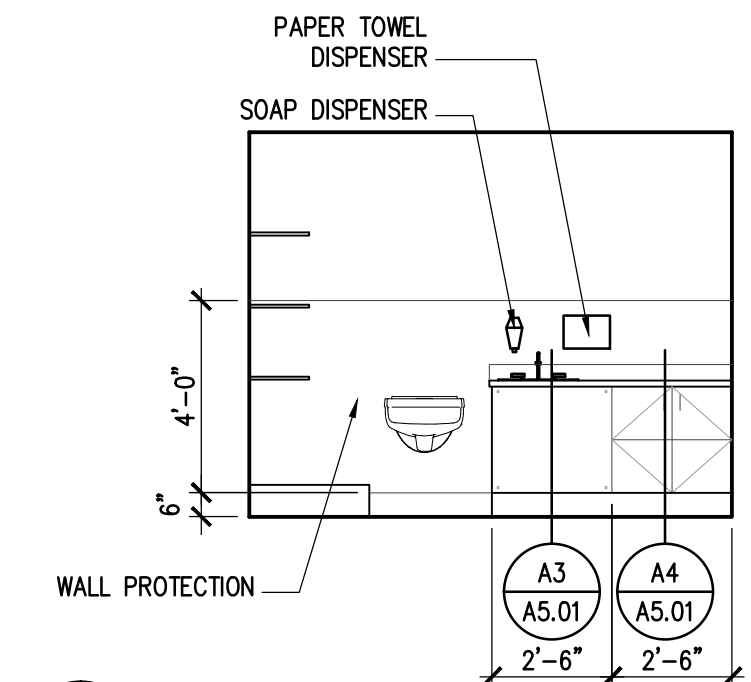


A2
A5.01



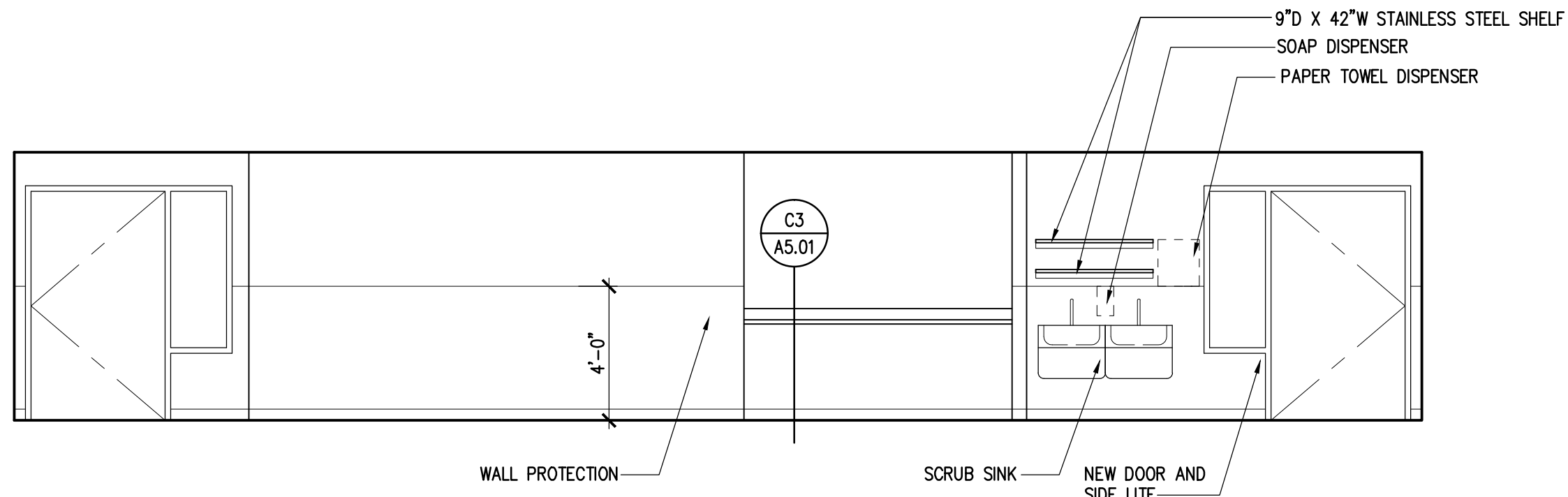
A1
A5.01

D1
A3.01 **MEN'S LOCKER**
1/4" = 1'-0"



3/4 P.LAM SHELVES
ON METAL
STANDARDS

D4
A3.01 **SOILED UTILITY**
1/4" = 1'-0"



WALL PROTECTION

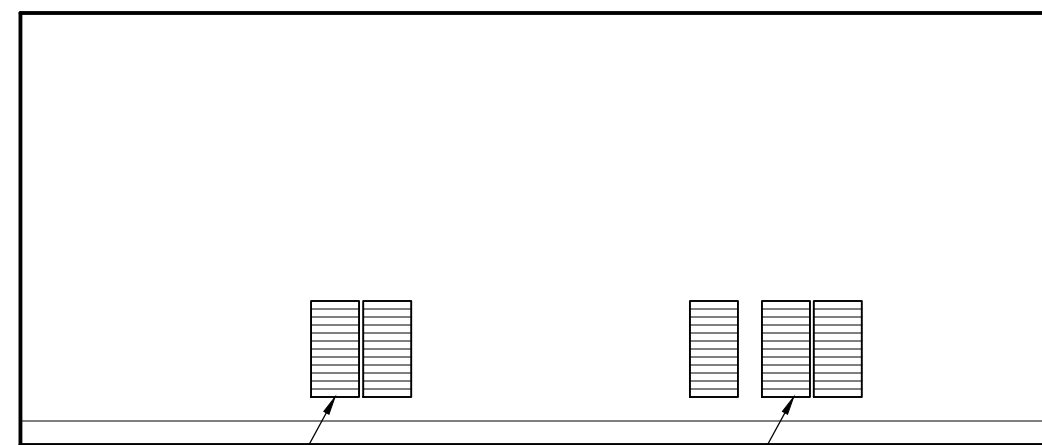
SCRUB SINK

C3
A5.01

9"D X 42"W STAINLESS STEEL SHELF
SOAP DISPENSER
PAPER TOWEL DISPENSER

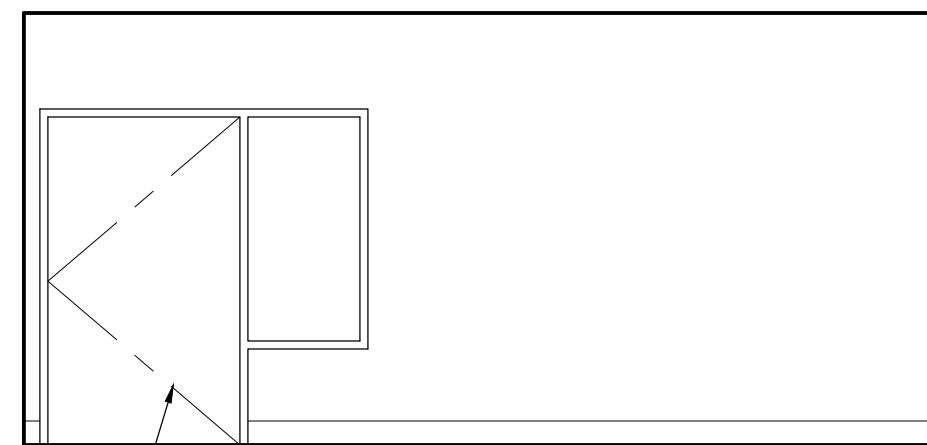
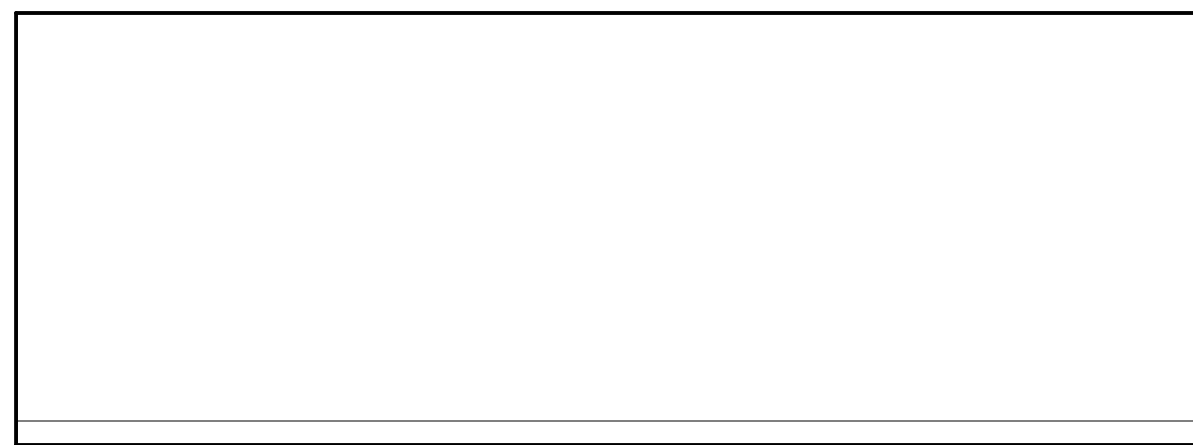
NEW DOOR AND
SIDE LITE

C1
A3.01 **CORRIDOR**
1/4" = 1'-0"

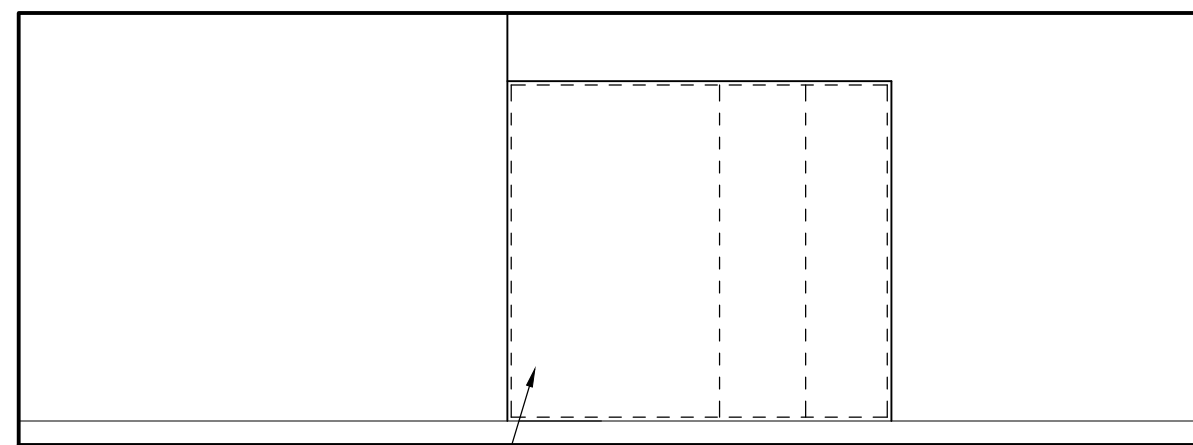


AIR GRILLES, SEE
MECHANICAL

AIR GRILLES, SEE
MECHANICAL

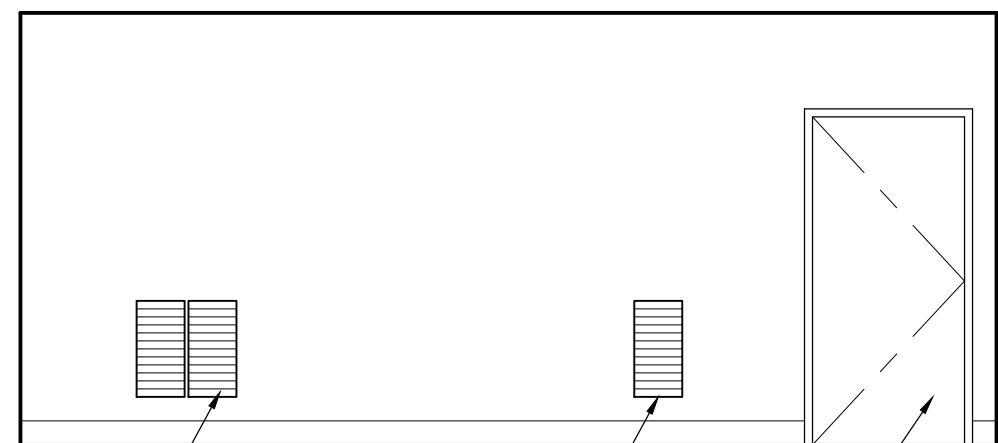


NEW DOOR AND
SIDE LITE



REINSTALL
EXISTING
STORAGE

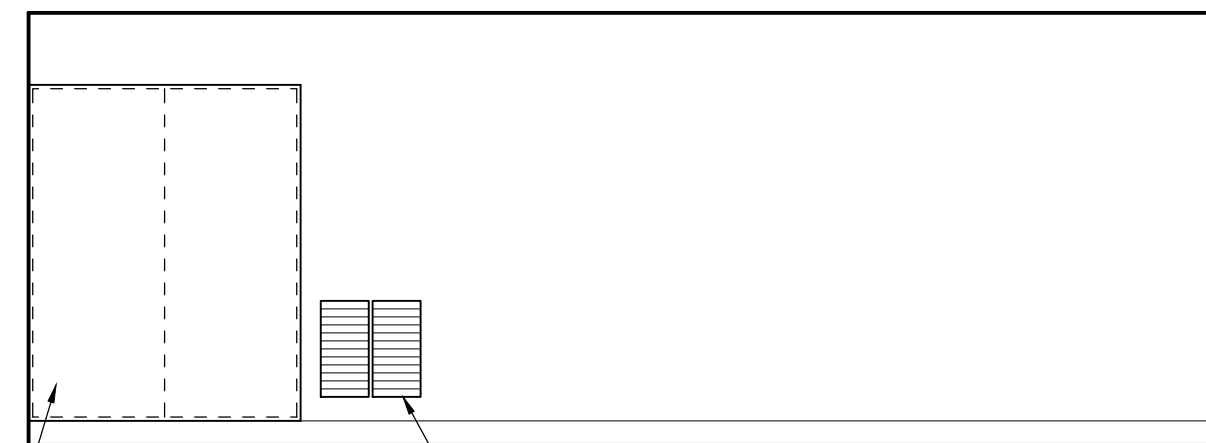
B1
A3.01 **OPERATING ROOM #2**
1/4" = 1'-0"



AIR GRILLES, SEE
MECHANICAL

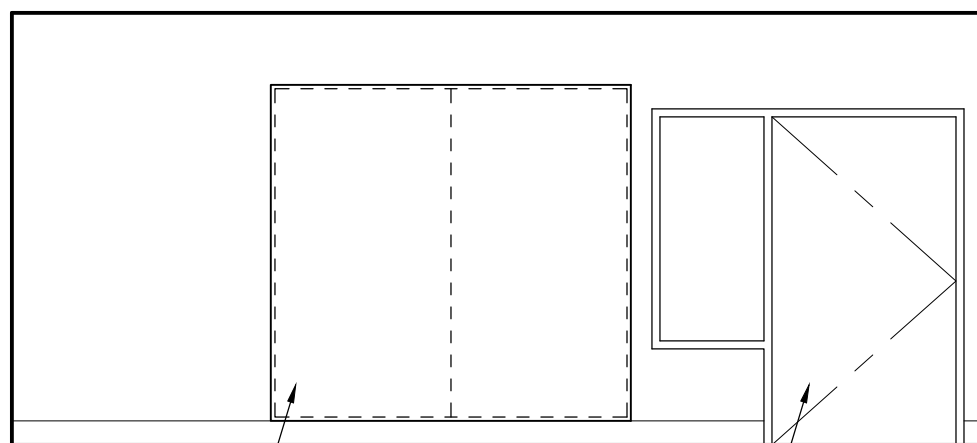
AIR GRILLES, SEE
MECHANICAL

EXISTING DOOR



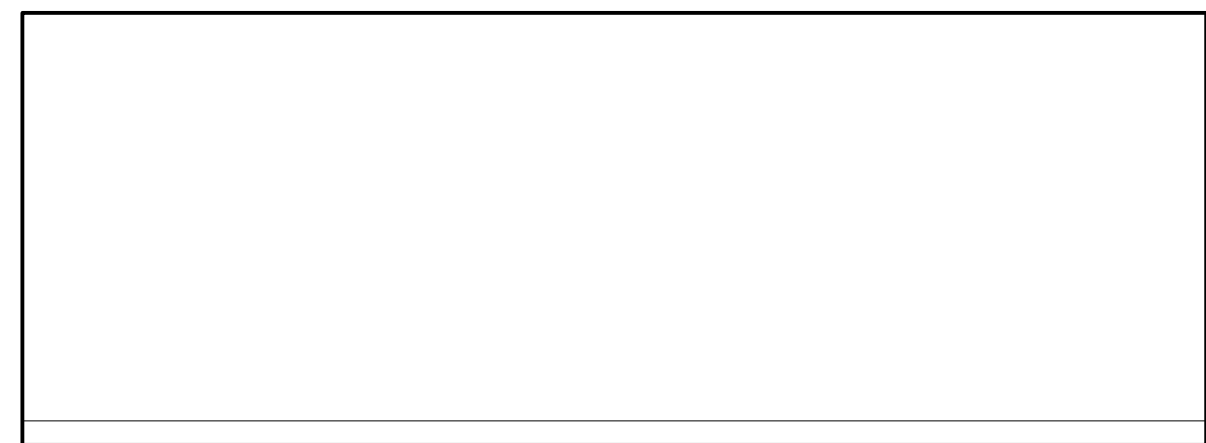
REINSTALL
EXISTING
STORAGE

AIR GRILLES, SEE
MECHANICAL



REINSTALL
EXISTING
STORAGE

NEW DOOR AND
SIDE LITE



A1
A3.01 **OPERATING ROOM #1**
1/4" = 1'-0"



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INTERIOR ELEVATIONS

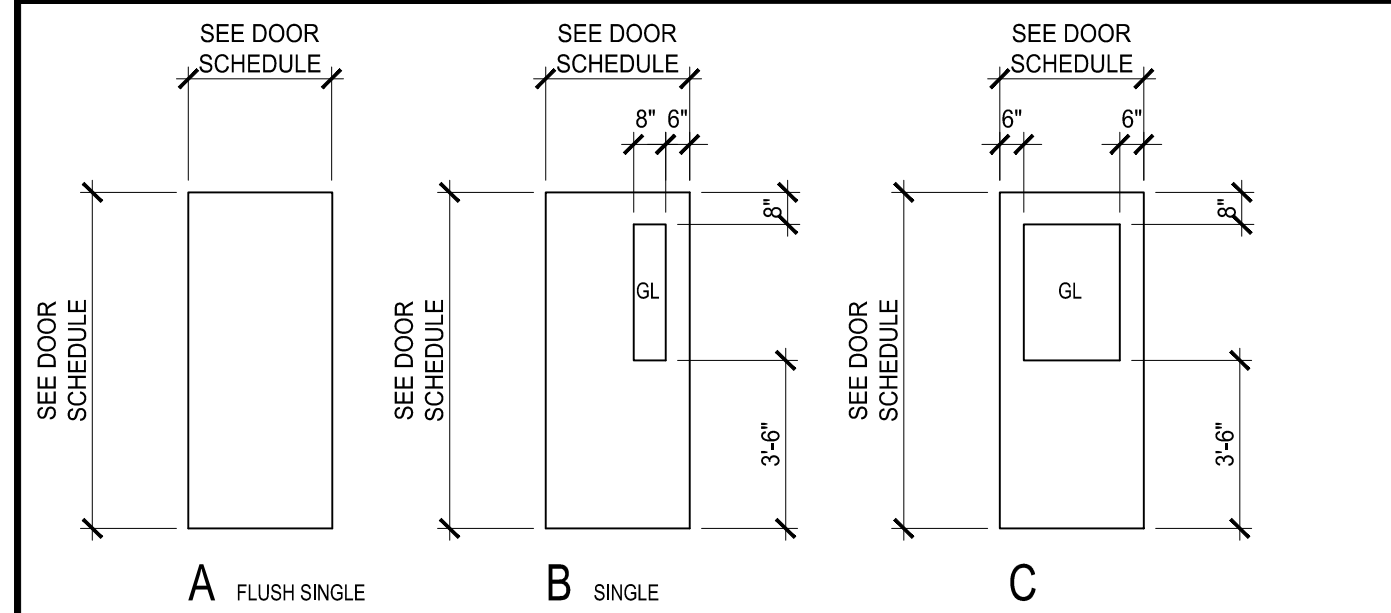
SHEET:
A3.01

0
1"
2"
3"

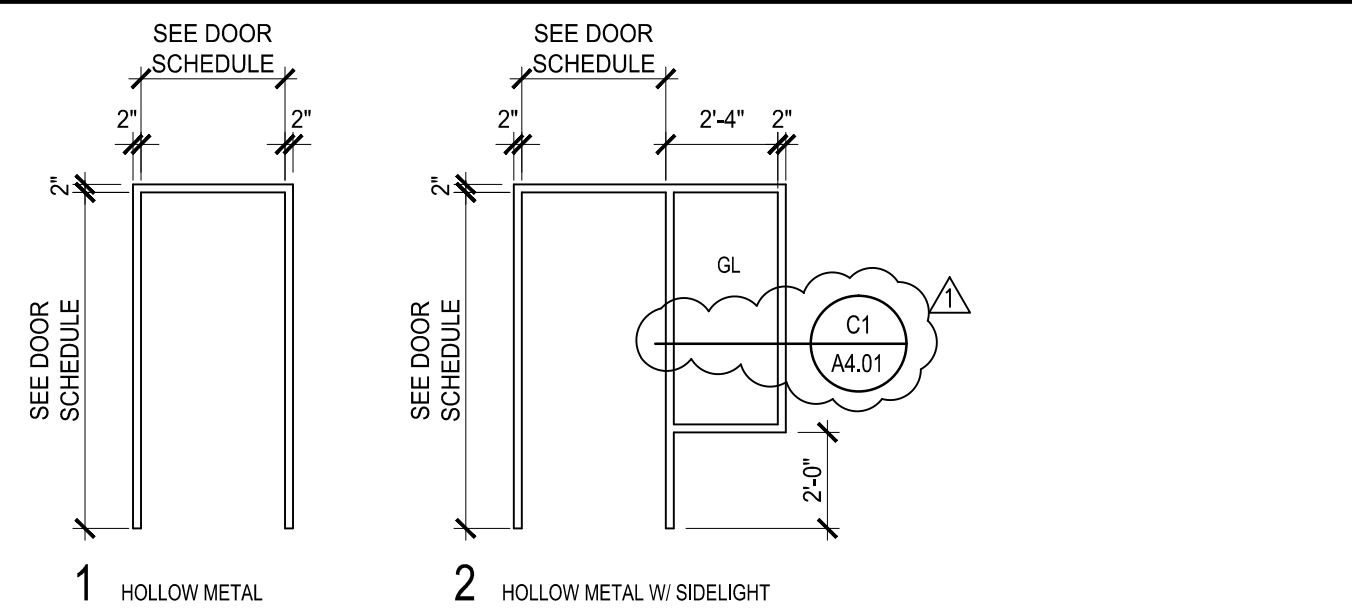
DOOR SCHEDULE

NO.	SIZE	DOOR TYPE	DOOR				FRAME				RATING	DETAIL			HARDWARE GROUP
			MAT	FIN	GLASS	COL	TYPE	MAT	FIN	COL		JAMB	HEAD	SILL	
228-1	4'-0" X 7'-0"	B	HM	PT	GL	-	2	HM	PT	-	-	B1, C1/A4.01	B1, A1/A4.01	A1/A4.01	HW-1
229-1	4'-0" X 7'-0"	B	HM	PT	GL	-	2	HM	PT	-	-	B1, C1/A4.01	B1, A1/A4.01	A1/A4.01	HW-1
232-1	3'-0" X 7'-0"	C	WD	PL	GL	-	1	HM	PT	-	-	B1/A4.01	B1/A4.01	-	HW-2
233-1	3'-0" X 7'-0"	A	WD	PL	-	-	1	HM	PT	-	-	B1/A4.01	B1/A4.01	-	HW-2
238-1	3'-0" X 7'-0"	A	HM	PT	-	-	1	HM	PT	-	45 MIN	B1/A4.01	B1/A4.01	-	HW-4
240-1	3'-0" X 7'-0"	A	WD	PL	-	-	1	HM	PT	-	-	B1/A4.01	B1/A4.01	-	HW-3

DOOR TYPES



FRAME TYPES



GENERAL NOTES

- REFER TO WRITTEN SPECIFICATIONS FOR DOOR HARDWARE GROUPS.
- THE DOOR SWING INDICATED ON THE FLOOR PLAN INDICATES THE HAND OF THE DOOR ONLY. DOORS SHALL SWING TO THE MAXIMUM EXTENT (BEYOND 90°) WHERE NOT OBSTRUCTED BY ADJACENT WALLS.

DOOR FINISH LEGEND

- HM HOLLOW METAL
- WD WOOD
- PT PAINT
- PL PLASTIC LAMINATE
- GL 1/4" TEMPERED SAFETY GLASS

ROOM FINISH SCHEDULE

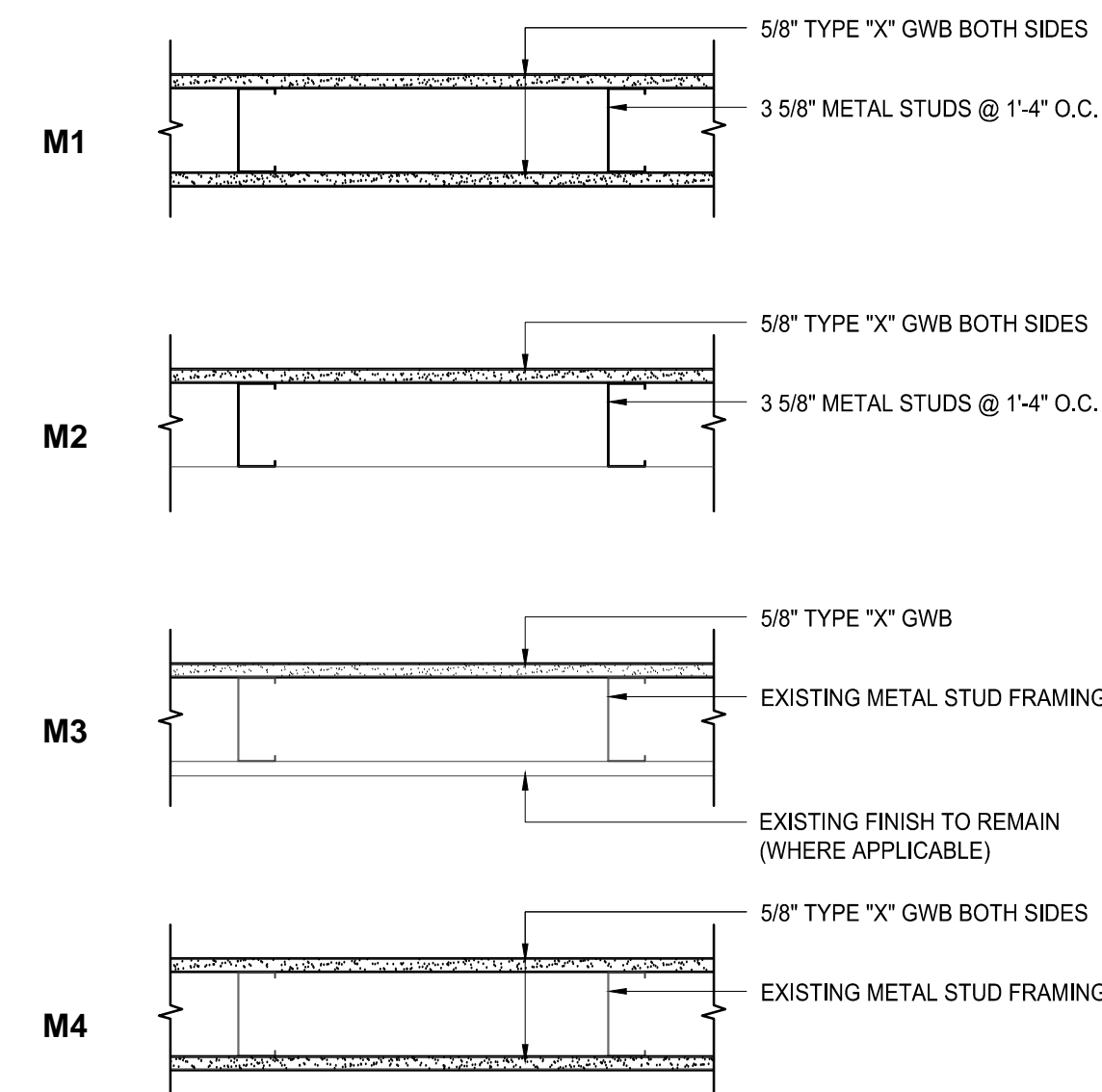
ROOM NUMBER	ROOM NAME	FLOOR		BASE		WALLS												CEILING			REMARKS		
		MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	NORTH			EAST			SOUTH			WEST						
								MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR				
227	HALL	F1	FF	-	B2	FF	-	W1	PT	-	W1	PT	-	W1	PT	-	W1	PT	-	C1	PT	-	-
228	OPERATING ROOM 1	F1	FF	-	B1	FF	-	W1	EP	-	W1	EP	-	W1	EP	-	W1	EP	-	C1	EP	-	-
229	OPERATING ROOM 2	F1	FF	-	B1	FF	-	W1	EP	-	W1	EP	-	W1	EP	-	W1	EP	-	C1	EP	-	-
232	DICTATION	F2	FF	-	B2	FF	-	W1	PT	-	W1	PT	-	W1	PT	-	W1	PT	-	C2	FF	-	-
233	MEN'S LOCKER	F2	FF	-	B2	FF	-	W1	PT	-	W1	PT	-	W1	PT	-	W1	PT	-	C2	FF	-	-
237	CORRIDOR	F1	FF	-	B2	FF	-	W1	PTWP	-	W1	PT	-	W1	PT	-	W1	PT	-	C1	PT	-	-
238	SOILED UTILITY	F1	FF	-	B1	FF	-	W1	PTWP	-	W1	PTWP	-	W1	PTWP	-	W1	PTWP	-	C1	PT	-	-
239	HALL	F1	FF	-	B2	FF	-	W1	PT	-	W1	PT	-	W1	PT	-	W1	PT	-	C1	PT	-	-
240	OFFICE	F2	FF	-	B2	FF	-	W1	PT	-	W1	PT	-	W1	PT	-	W1	PT	-	C2	FF	-	-

ROOM FINISH LEGEND

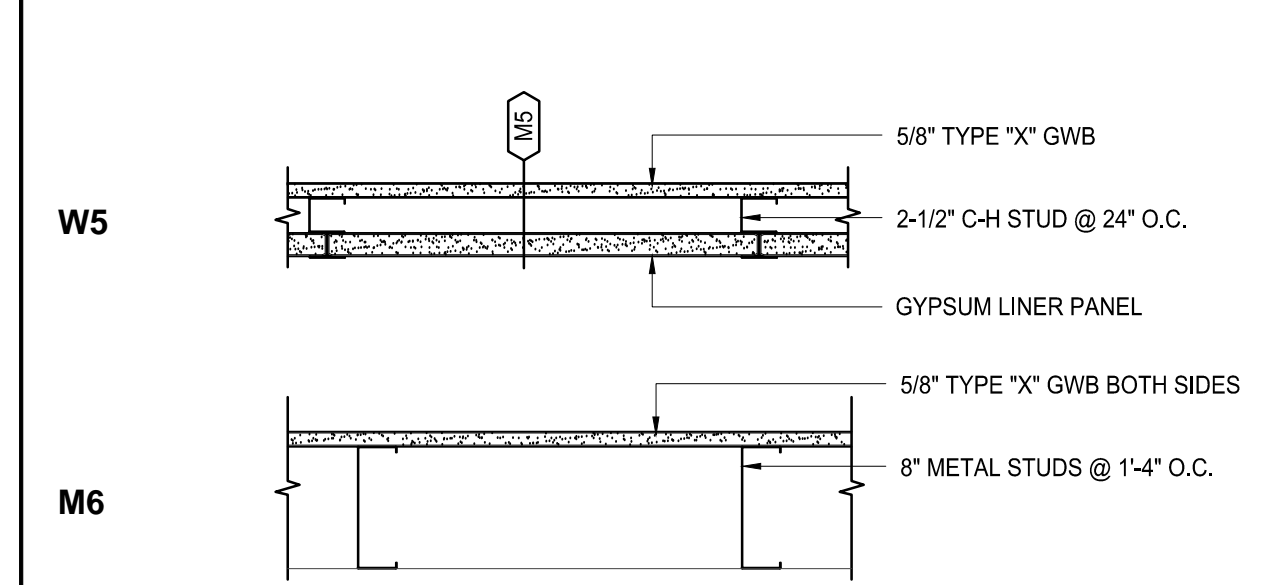
- FLOOR MATERIALS**
F1 SHEET VINYL
F2 CARPET TILE
- BASE MATERIALS**
B1 INTEGRAL BASE
B2 RUBBER BASE
- WALL MATERIALS**
W1 GYPSUM WALL BOARD
- CEILING MATERIALS**
C1 GYPSUM BOARD
C2 ACOUSTICAL CEILING TILE
- FLOOR FINISHES**
FF FACTORY FINISH
- BASE FINISHES**
FF FACTORY FINISH
- WALL FINISHES**
PT PAINT
EP EPOXY PAINT
WP WALL PROTECTION
- CEILING FINISHES**
FF FACTORY FINISH
PT PAINT
EP EPOXY PAINT

PARTITION TYPES

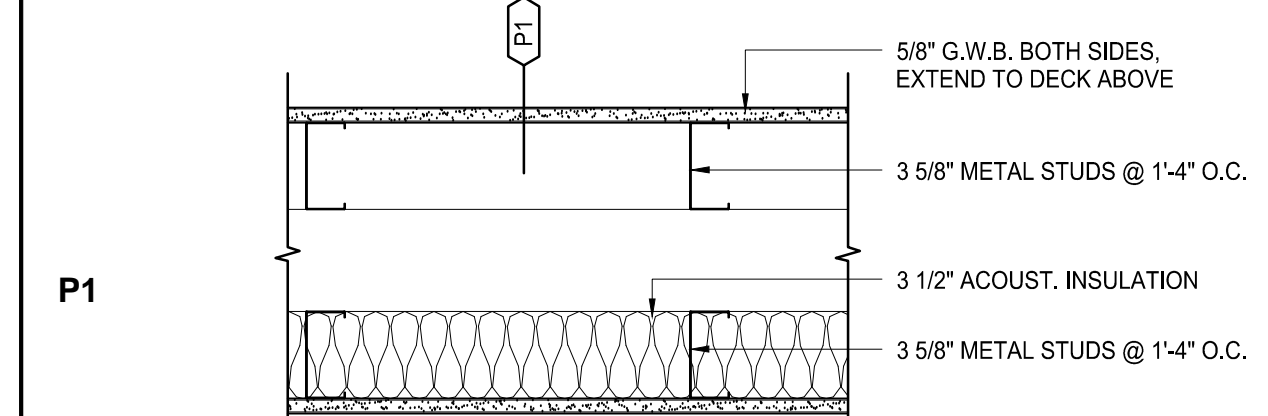
METAL STUD WALLS



METAL STUD WALLS CONTINUED

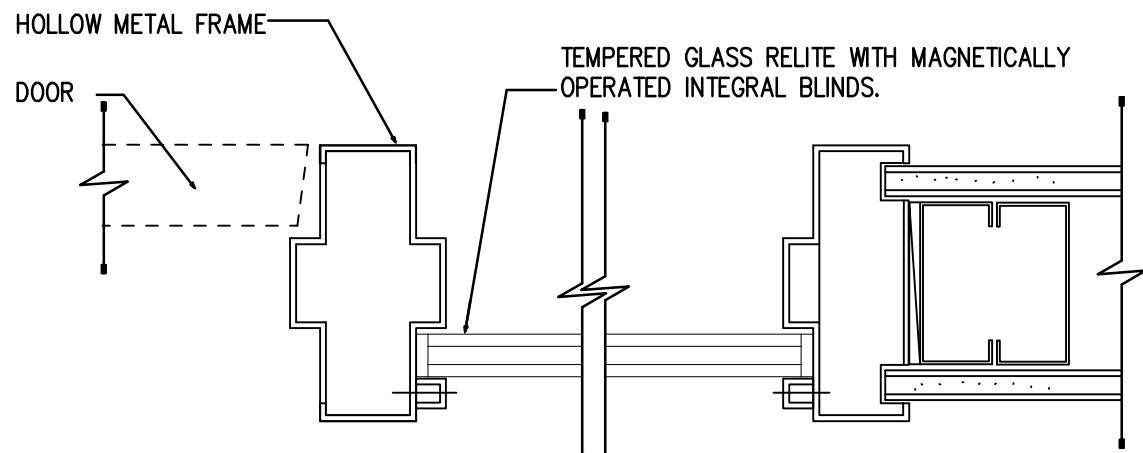


PLUMBING WALLS

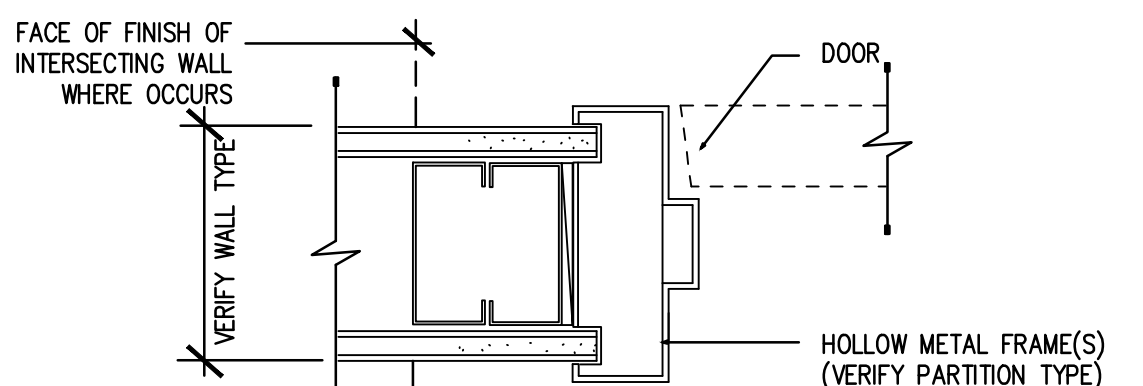


PARTITION TYPES LEGEND AND NOTES

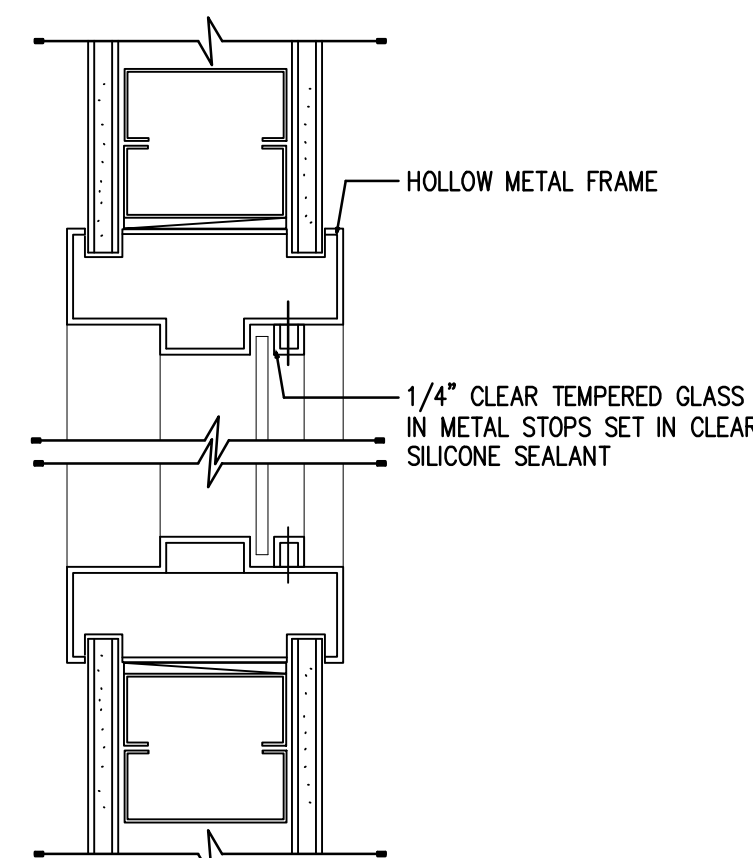
- GENERAL CONSTRUCTION (WOOD, METAL, CONCRETE/MASONRY)
- FIRE RATING OR ACOUSTICAL DESIGNATION
- FIRE RATING TIME PERIOD
- VARIATION IN GENERAL CONSTRUCTION
- FULL HEIGHT STUD PARTITIONS ARE INDICATED WITH THE FOLLOWING DESIGNATIONS AFTER THE PARTITION TYPE DESIGNATION (EG: M2A OR W6F2)
- F1 FIRE RATING (ONE HOUR PER IBC TABLE 720.1(2))
- F2 FIRE RATING (TWO-HOUR PER IBC TABLE 720.1(2))
- A ACOUSTICAL SEPARATION WALL (ADD 3 1/2" ACOUSTICAL INSULATION)
- FOR ASYMMETRICAL PARTITIONS, THE LOCATION OF THE PARTITION TYPE SYMBOL ON THIS SHEET CORRESPONDS TO THE SAME ORIENTATION AS THE FLOOR PLAN



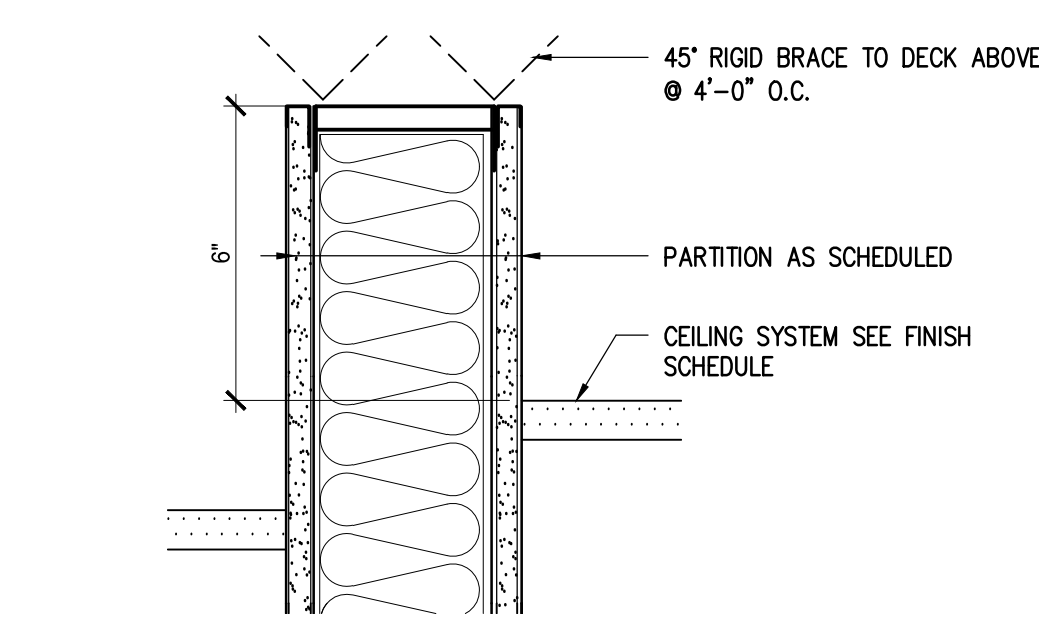
C1 DOOR/RELITE JAMB DETAIL
A4.01 N.T.S.



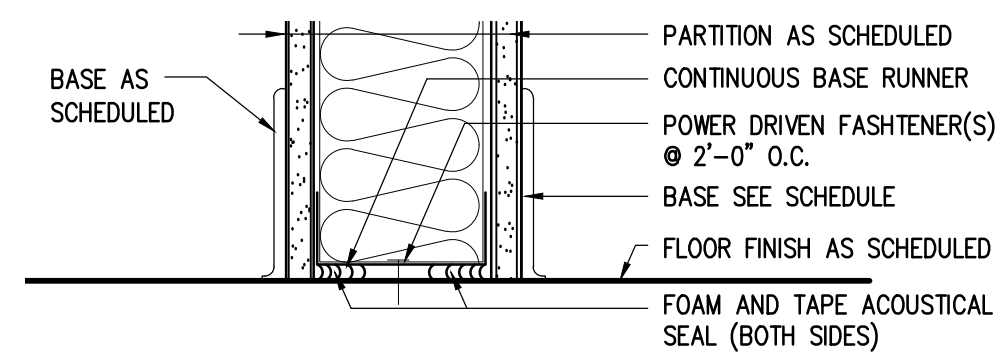
B1 DOOR HEAD/JAMB DETAIL
A4.01 N.T.S.



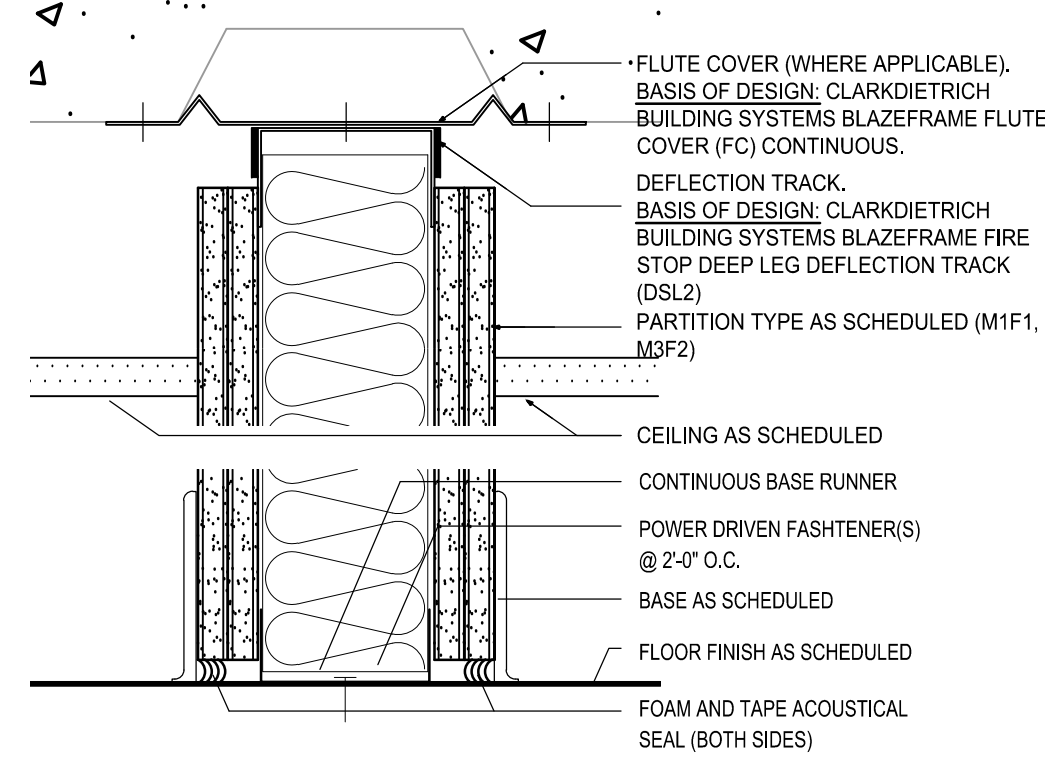
A1 RELITE HEAD/SILL DETAIL
A4.01 N.T.S.



B2 TYP. HEAD OF WALL DETAIL
A4.01 N.T.S.



A2 (W5F1) HEAD OF WALL DETAIL
A4.01 N.T.S.



A3 (F1) HEAD OF WALL DETAIL
A4.01 N.T.S.



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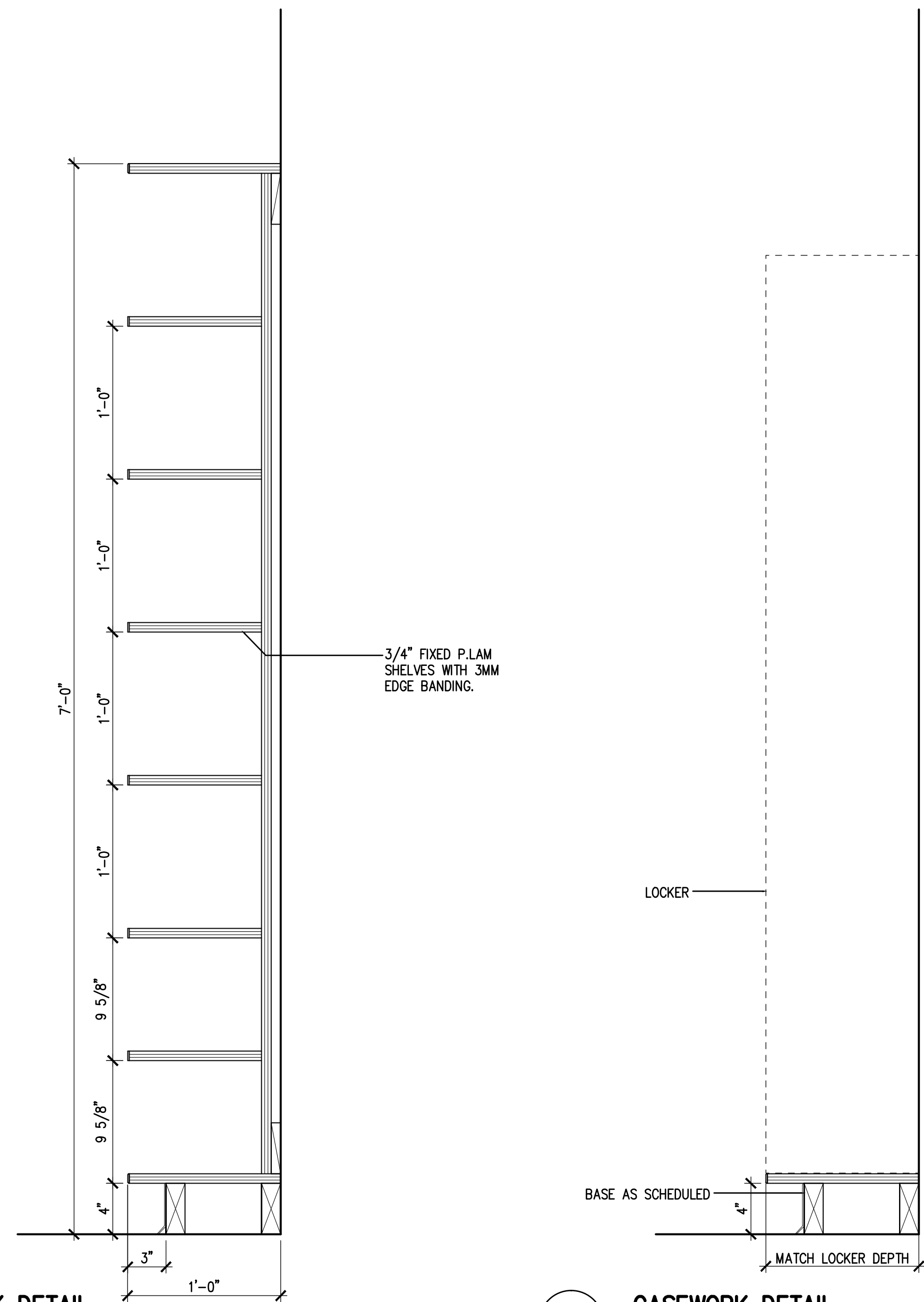
REVISIONS:
ADDENDUM #2 2/24/17

DRAWN BY: DAH
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JOB NUMBER: L6191.00
DWG FILE: L6139ESERIES

DRAWING TITLE:
DOOR AND FINISH SCHEDULES

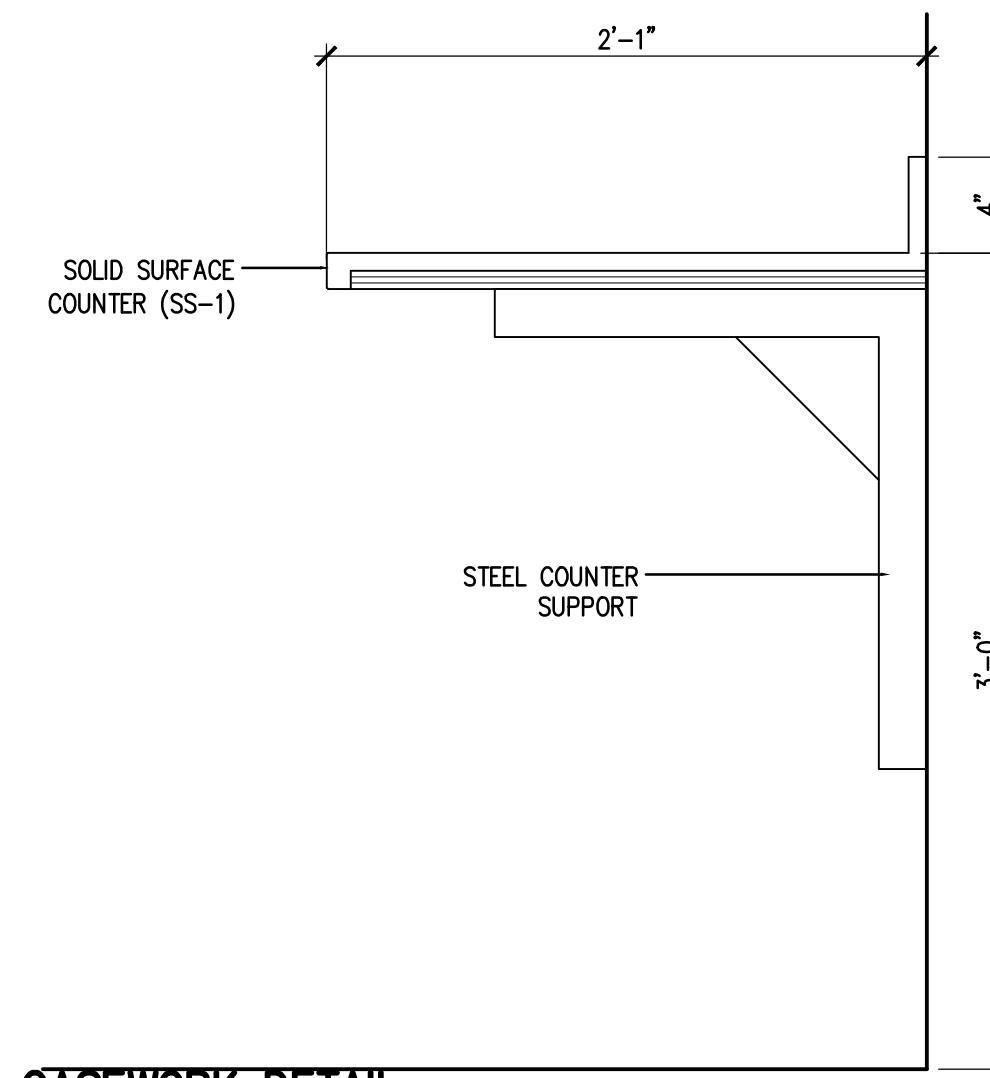
SHEET:
A4.01

0"
1"
2"
3"

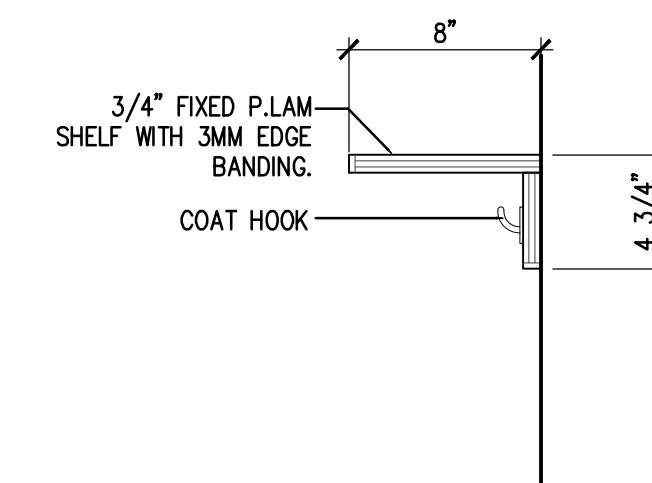


A1
A5.01 CASEWORK DETAIL
1-1/2" = 1'-0"

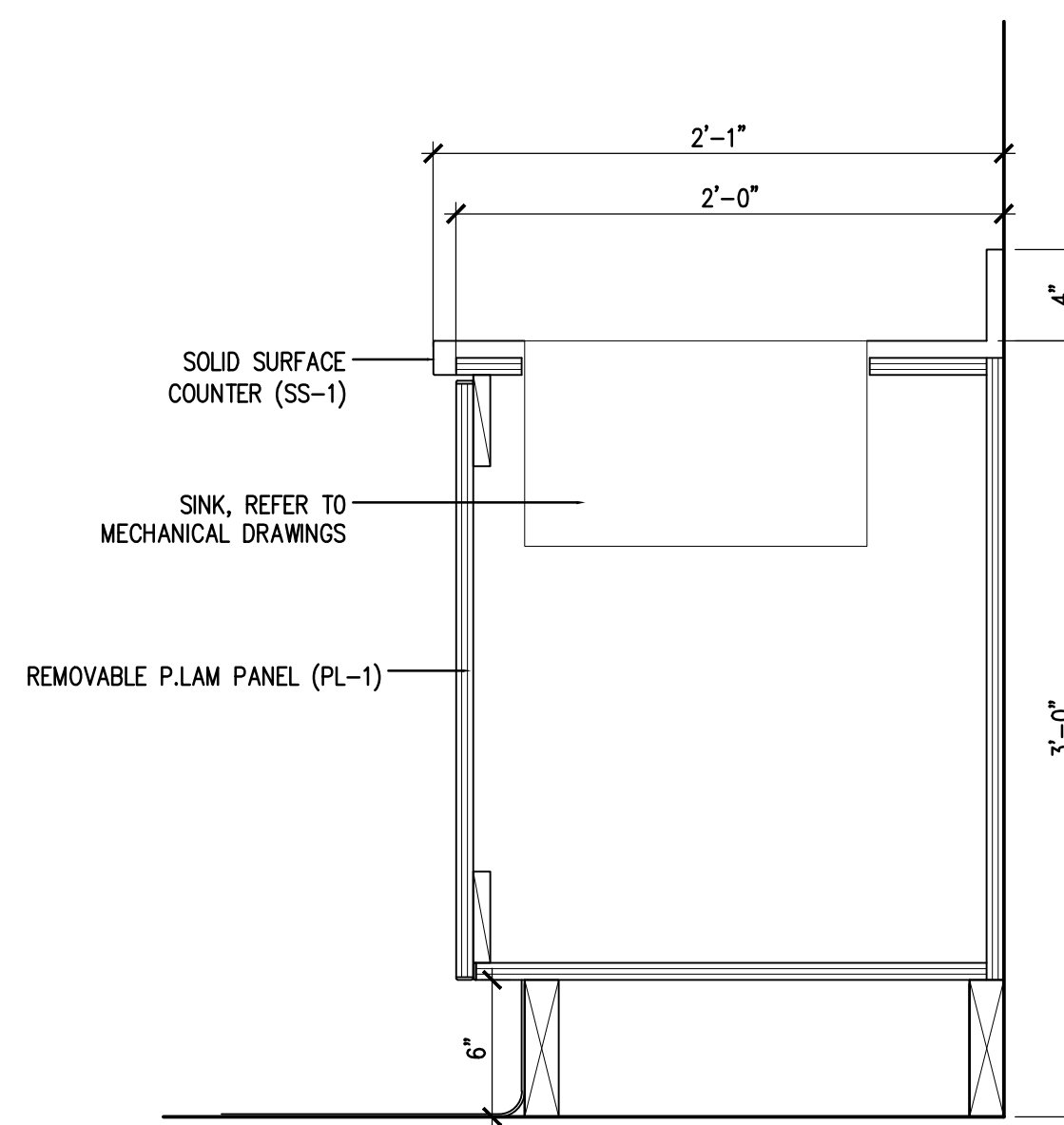
A2
A5.01 CASEWORK DETAIL
1-1/2" = 1'-0"



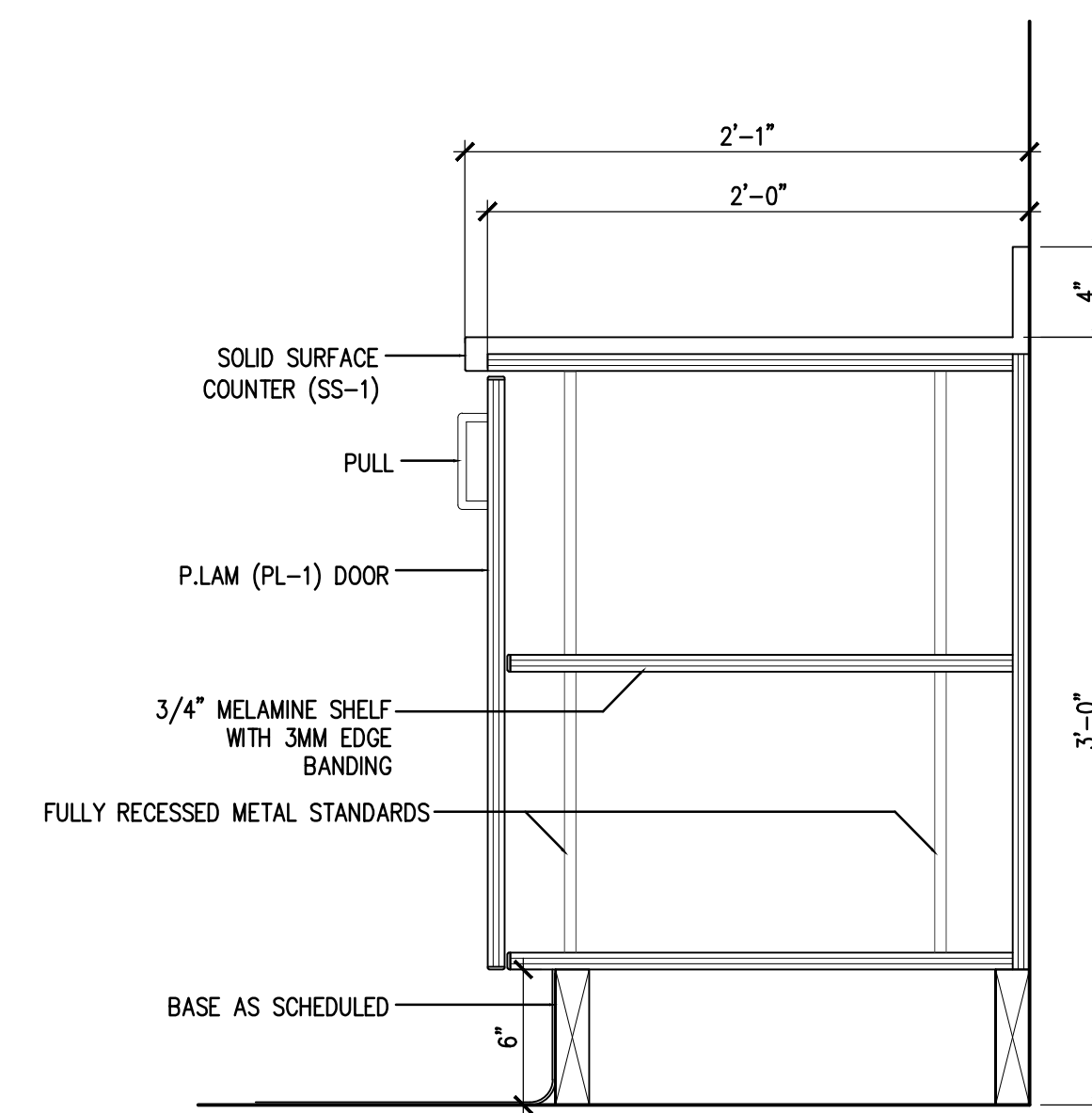
C3
A5.01 CASEWORK DETAIL
1-1/2" = 1'-0"



C4
A5.01 CASEWORK DETAIL
1-1/2" = 1'-0"



A3
A5.01 CASEWORK DETAIL
1-1/2" = 1'-0"



A4
A5.01 CASEWORK DETAIL
1-1/2" = 1'-0"



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REVISIONS:

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CHECKED BY:
DATE: 02/03/17
JOB NUMBER: L6191.00
DWG FILE: L6139ESESERIES

DRAWING TITLE:
DETAILS

SHEET:
A5.01

GENERAL NOTES

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

CODE:

INTERNATIONAL BUILDING CODE, 2012 EDITION.

DESIGN LIVE LOADS:

ROOF Pg = 40 PSF, Pf = 34 PSF
I = 1.2, Ce = 1.0, Ct = 1.0

SNOW DRIFT ASCE 7-10, CHAPTER 7

WIND 158 MPH 3-SECOND GUST
EXPOSURE B
BUILDING CATEGORY IV
(GCp1) = 0.18, qh = 55.5 PSF

SEISMIC BUILDING OCCUPANCY CATEGORY IV
SEISMIC DESIGN CATEGORY D
I = 1.5, Ss = 1.0, S1 = 0.60
SOIL SITE CLASS D
Sds = 1.0, Sd1 = 0.60,
EQUIVALENT LATERAL FORCE ANALYSIS

REINFORCED CONCRETE:

ALL CONCRETE - fc = 4000 PSI, MAXIMUM W/C = 0.45. REINFORCING STEEL ASTM A615, GRADE 60. PROVIDE CLASS B SPLICE

LOW VELOCITY FASTENERS: HILTI 0.157" DIAMETER X-U. IN CONCRETE PROVIDE 1 1/4" EMBEDMENT.

DRILLED-IN ADHESIVE ANCHORS (DIAA): HILTI HIT-HY 200

STRUCTURAL STEEL:

ALL STEEL ASTM A36, EXCEPT WIDE FLANGE SECTIONS TO BE ASTM A992, OR A572-50 AND PIPE SECTIONS TO BE ASTM A53 TYPE E GRADE B.

WELDING PER AWS D1.1. MINIMUM SIZE WELDS 3/16" CONTINUOUS FILLET. WELDERS CERTIFIED PER AMERICAN WELDING SOCIETY FOR ROD AND POSITION. ELECTRODES SHALL BE E70XX MINIMUM, WITH MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT -20 DEG F.

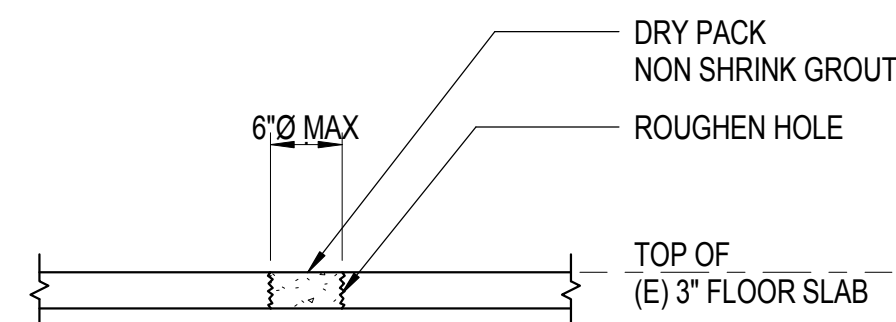
HIGH-STRENGTH BOLTS PER ASTM F3125 GRADE A325. TYPICAL BOLTED CONNECTIONS SNUG TIGHTENED.

MISCELLANEOUS:

CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON EITHER SITE OBSERVATION, ORIGINAL DRAWINGS OR WERE ASSUMED BASED ON EXPECTED CONDITIONS. IF THE EXISTING CONDITIONS DO NOT CLOSELY MATCH THE CONDITIONS SHOWN ON THE DRAWINGS, OR IF THE EXISTING MATERIALS ARE OF QUESTIONABLE OR SUBSTANDARD QUALITY, NOTIFY RSA ENGINEERS PRIOR TO COMMENCING ANY WORK.

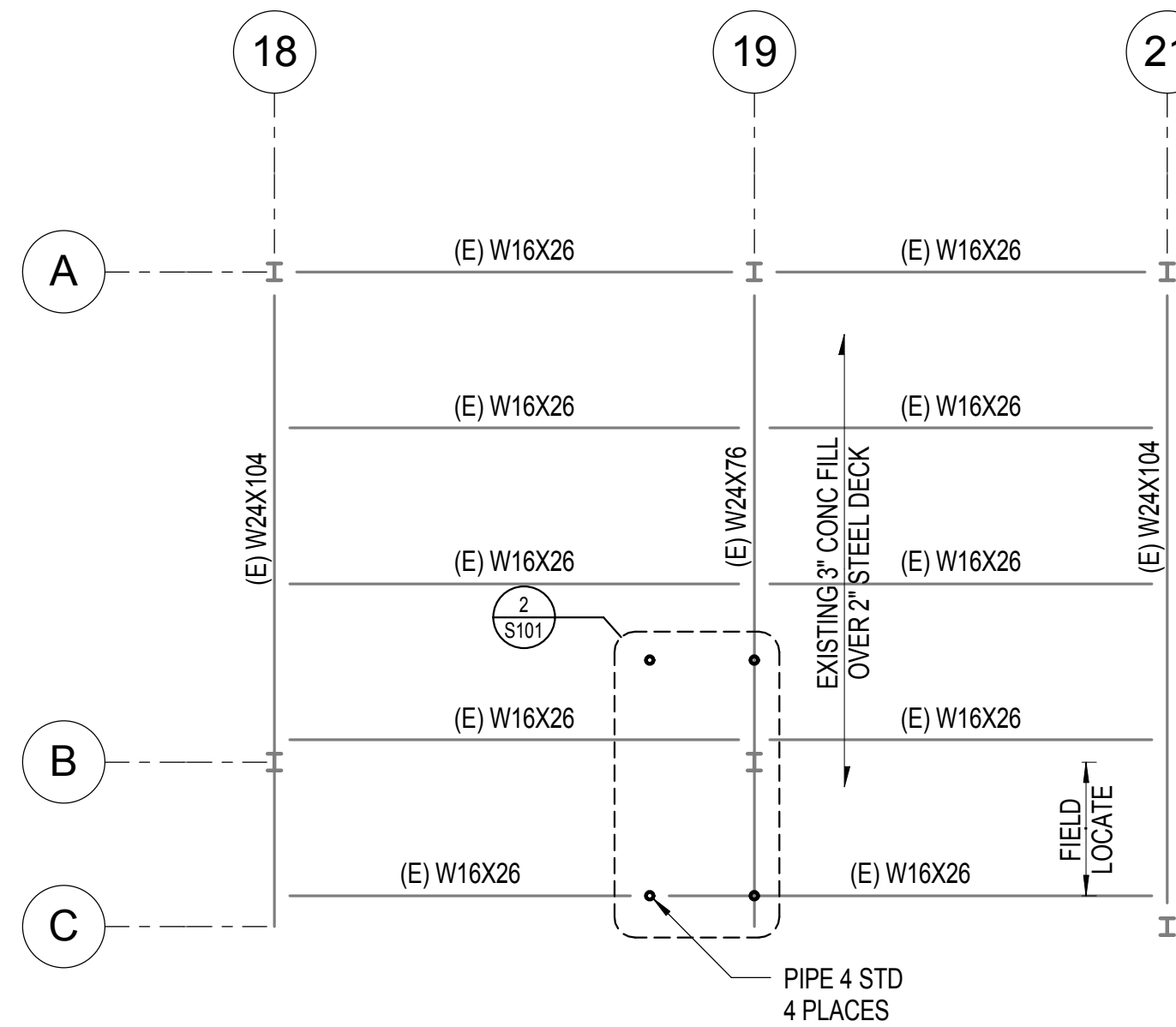
SHOP DRAWINGS SHALL BE SUBMITTED AND REVIEWED PRIOR TO FABRICATION.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

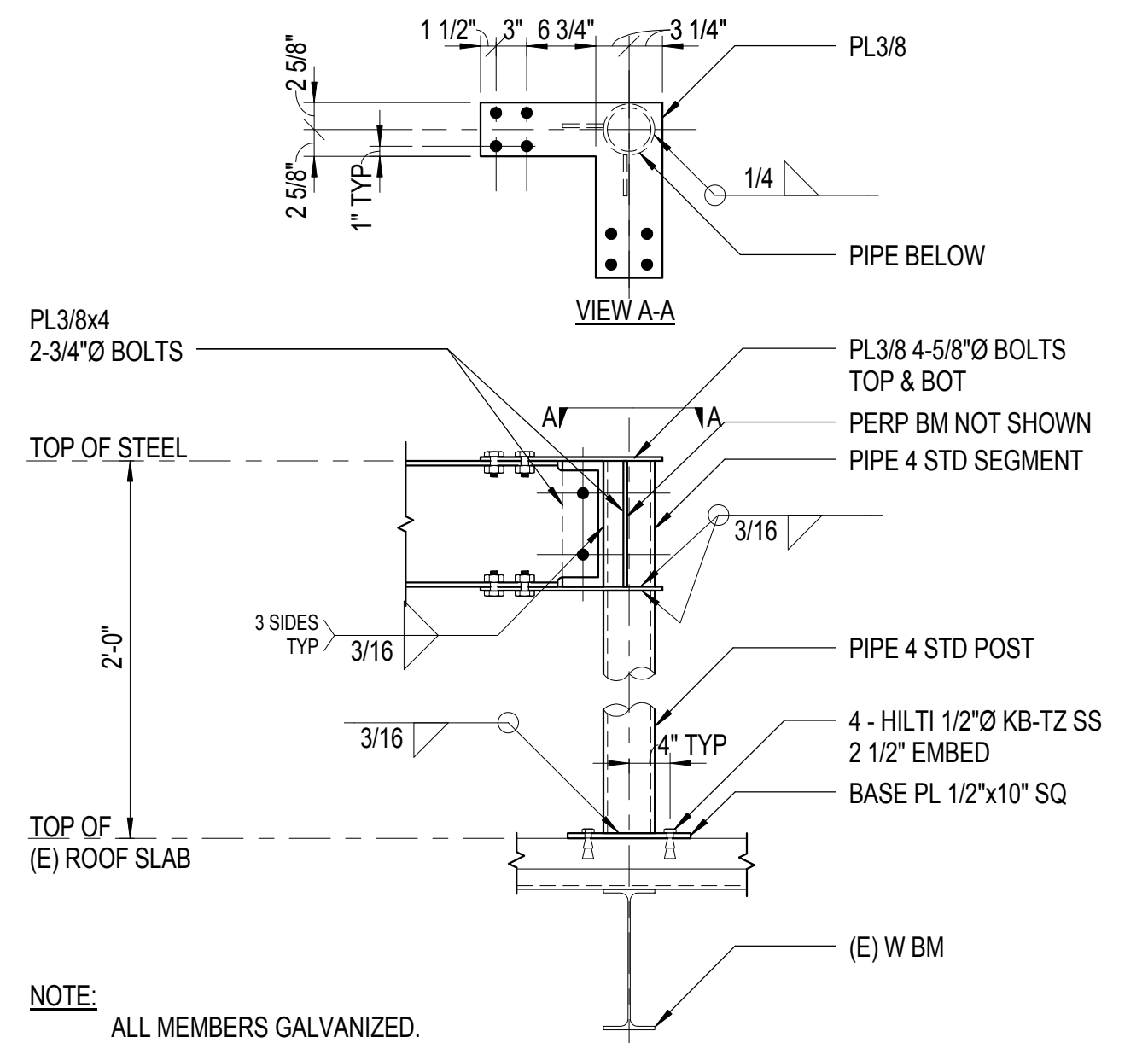


NOTES:
SEE ARCHITECTURAL DRAWINGS FOR INFILL LOCATIONS.

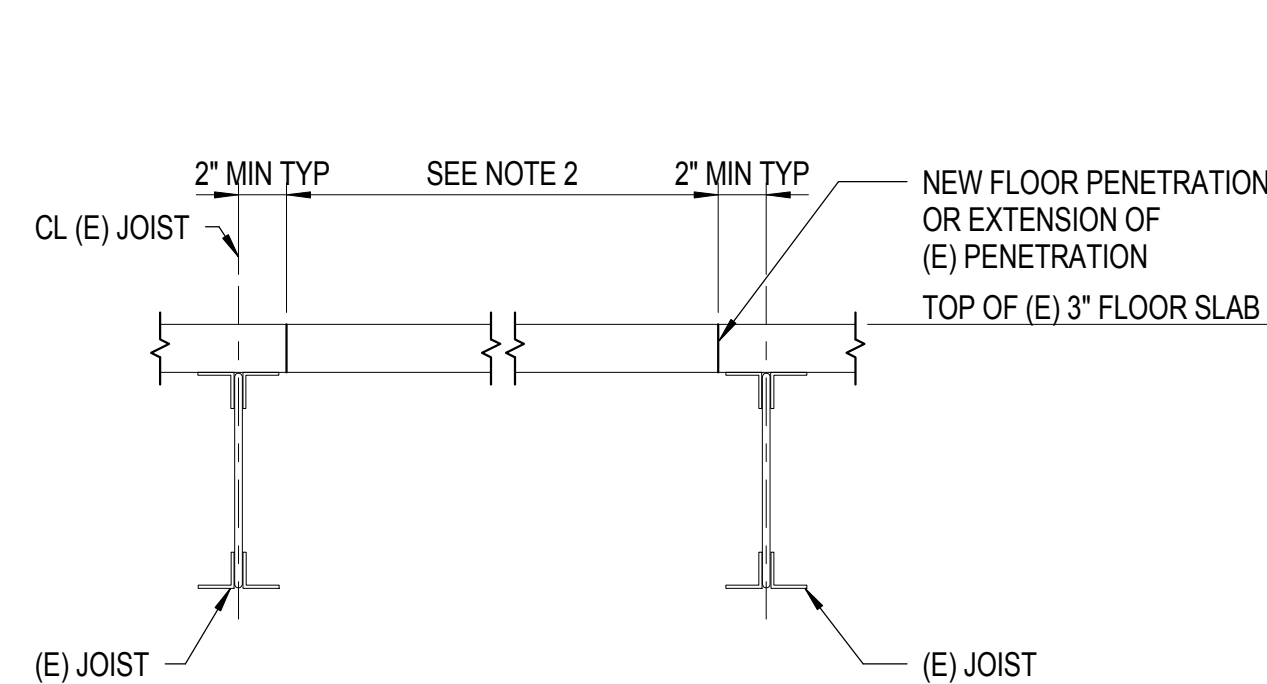
7 FLOOR SLAB INFILL
3/4" = 1'-0"



1 PARTIAL ROOF PLAN
1/8" = 1'-0"

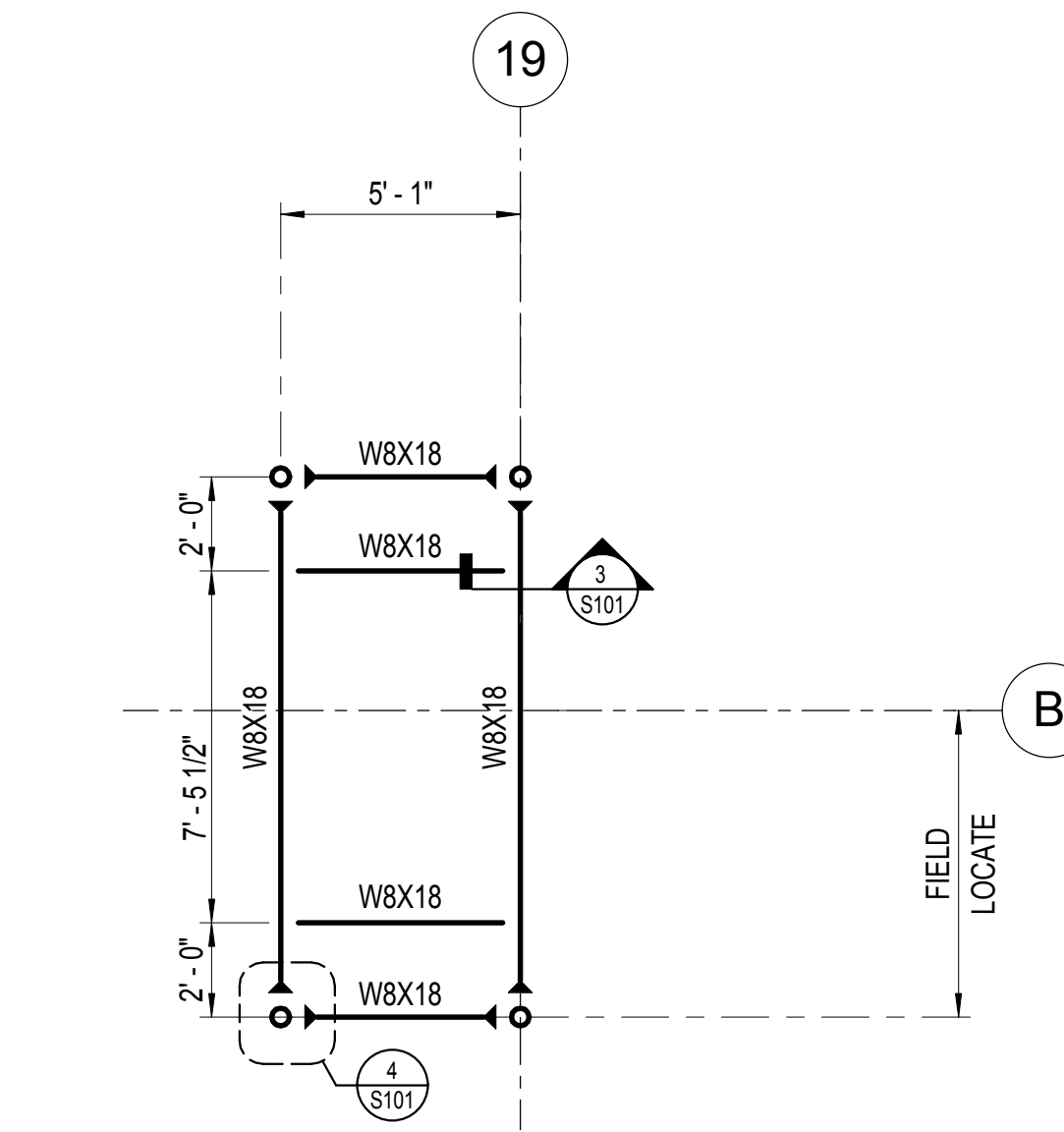


4 BEAM TO POST CONNECTION
3/4" = 1'-0"

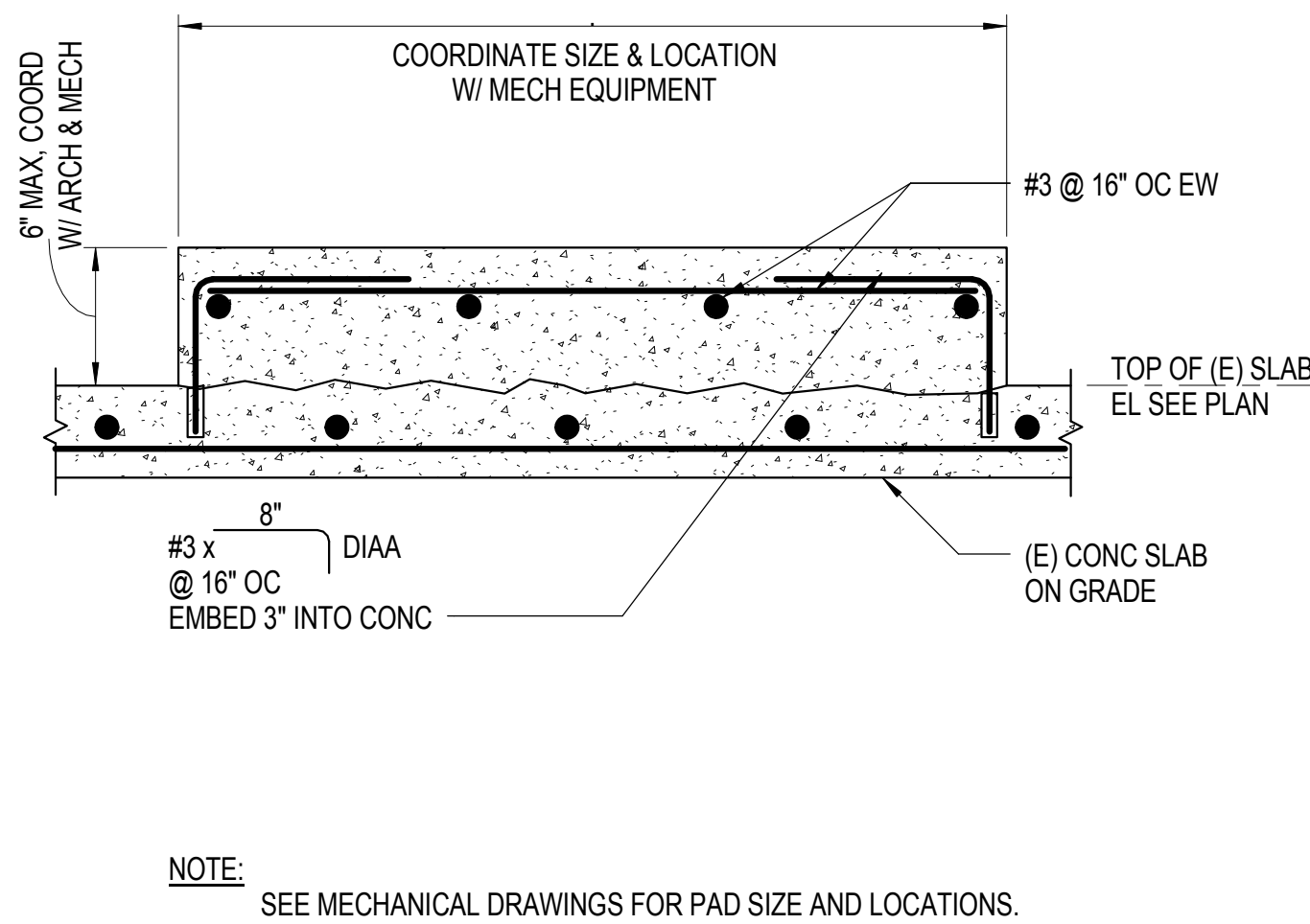


NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR PENETRATION SIZE AND LOCATIONS.
2. CORE DRILL CORNERS OF NEW OPENING BEFORE SAW CUTTING. AVOID OVERCUTTING AT CORNERS.

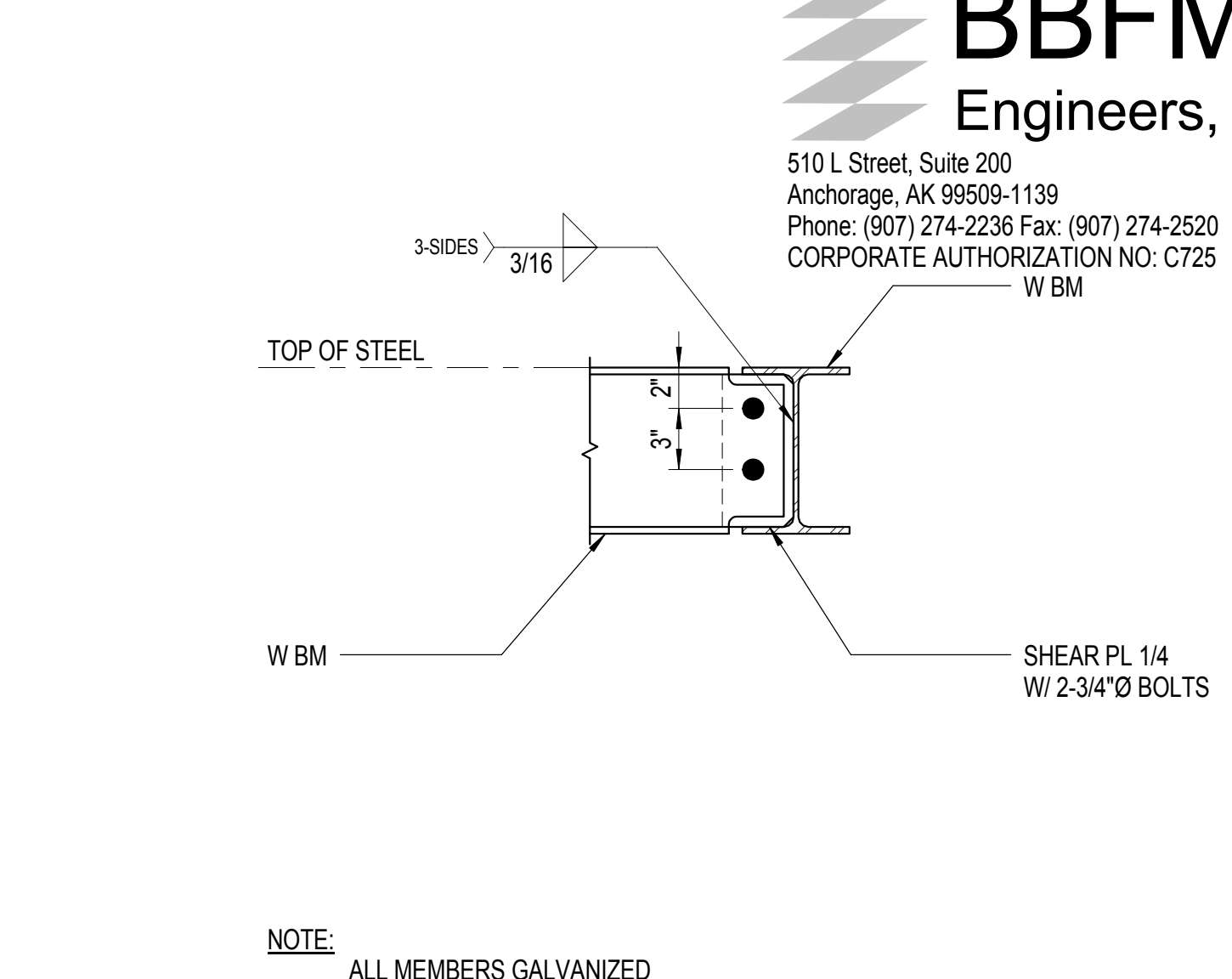
8 FLOOR PENETRATION
3/4" = 1'-0"



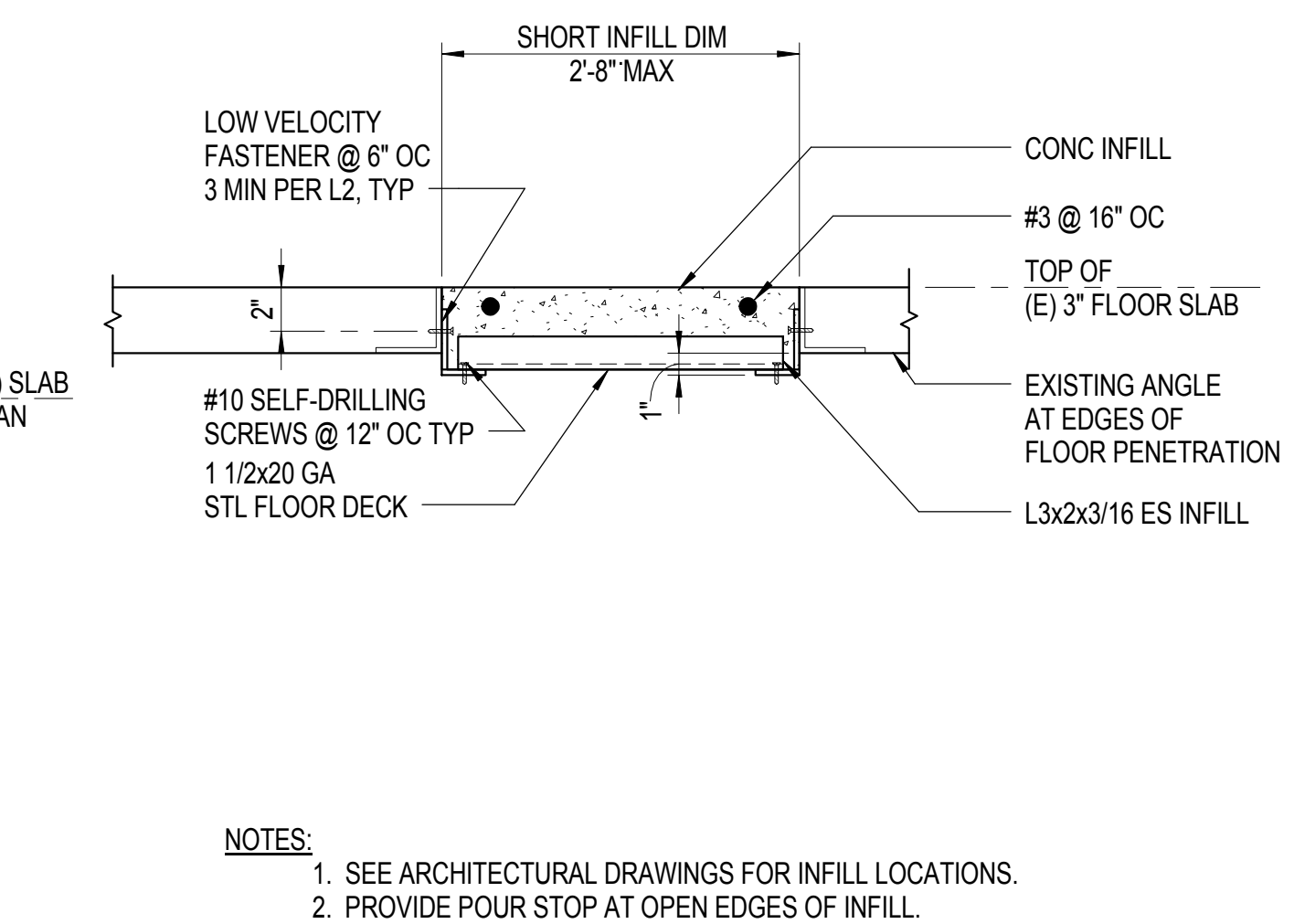
2 CHILLER CH-1 SUPPORT FRAME
1/4" = 1'-0"



5 HOUSEKEEPING PAD
1 1/2" = 1'-0"

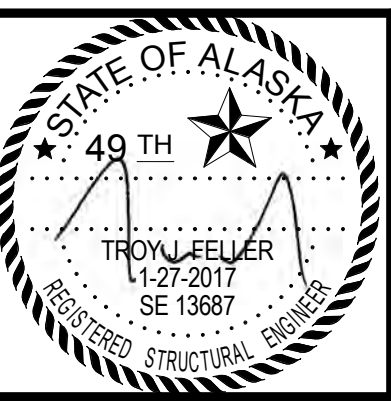


3 BEAM TO BEAM CONNECTION
1 1/2" = 1'-0"



6 FLOOR SLAB INFILL
1 1/2" = 1'-0"

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REVISIONS:

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DRAWN BY: Author
CHECKED BY: Checker
DATE: 2/3/17
JOB NUMBER: L6191.00

DRAWING TITLE:
GENERAL NOTES AND PLANS

SHEET:
S101



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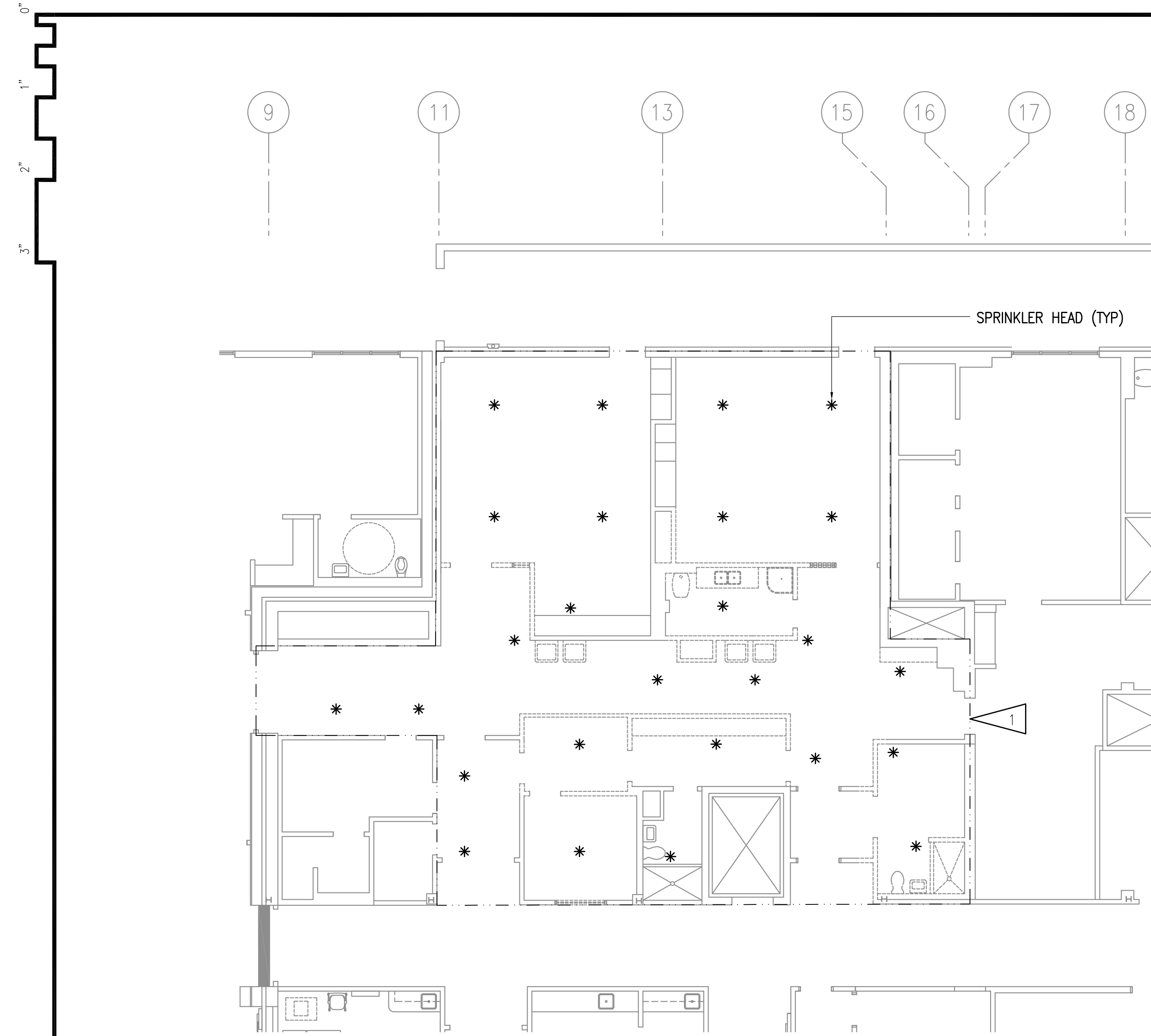
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 JOB NUMBER: L6191.00
 DWG FILE: L6191_MSERIES

DRAWING TITLE:
**FIRE SPRINKLER
 DEMOLITION & REMODEL**

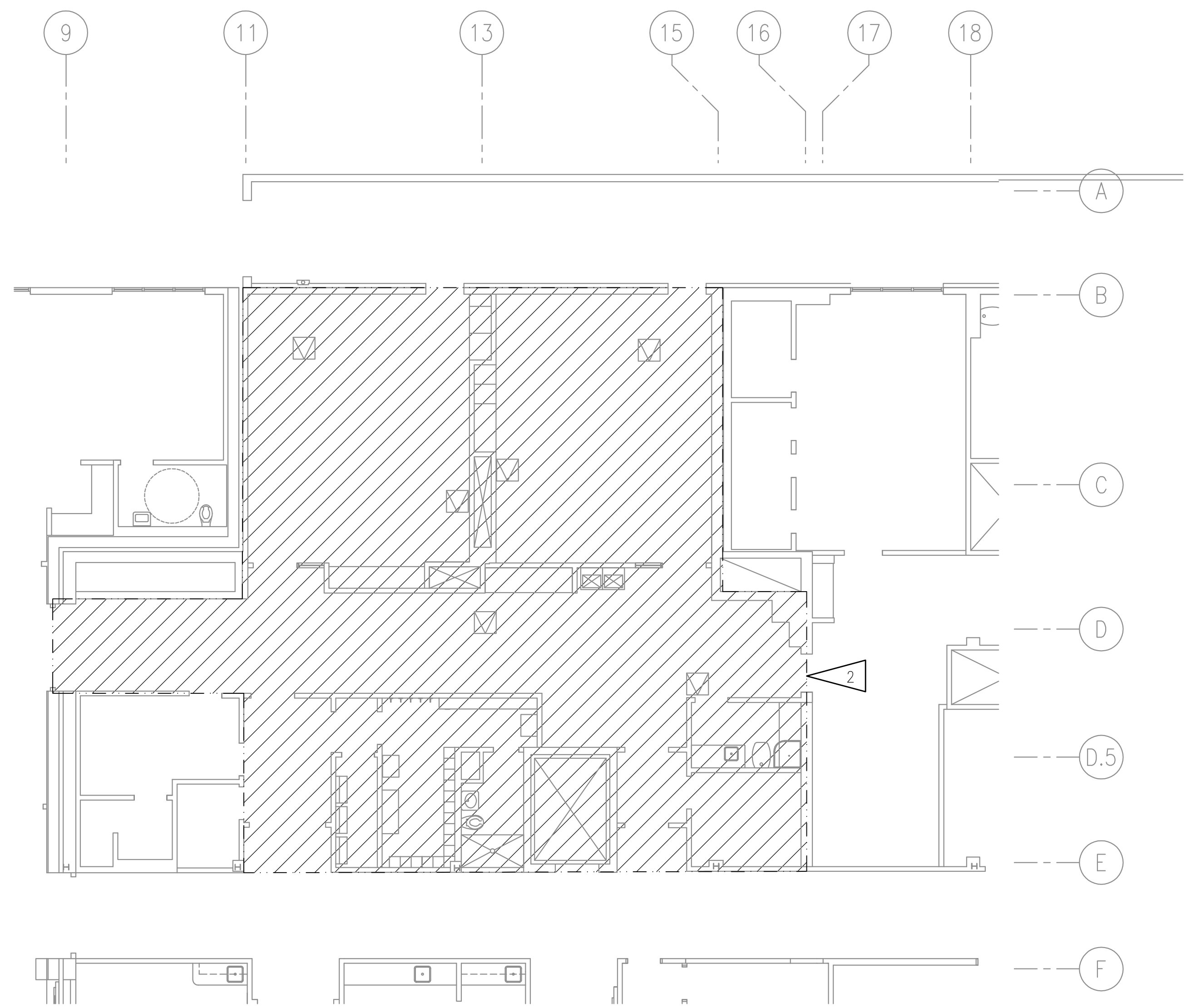
SHEET:
FP101



1 FIRE SPRINKLER DEMOLITION PLAN
 1/8" = 1'-0"

GENERAL NOTES:

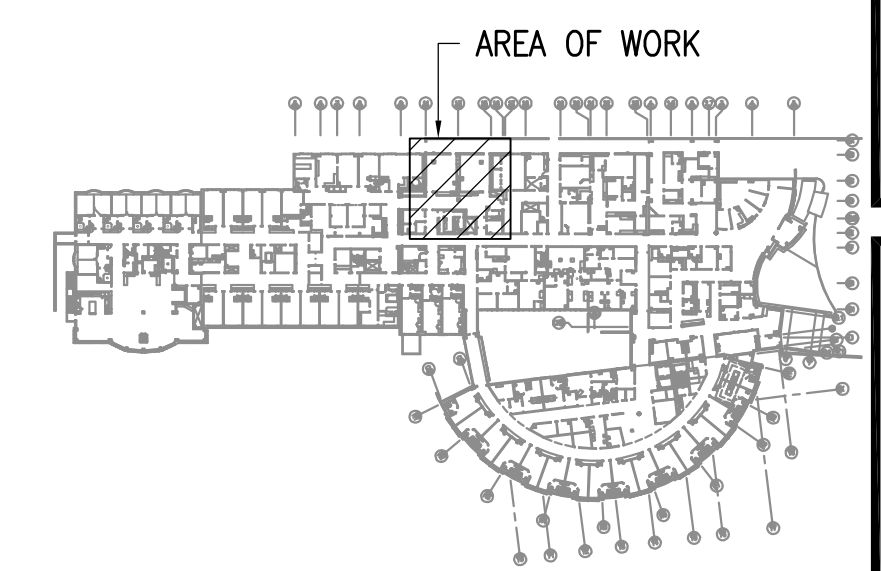
- A. DEMOLISH ALL EXISTING SPRINKLER PIPING, HEADS AND ASSOCIATED APPURTENANCES AS REQUIRED FOR REMODEL AND ADDITION WORK.
- B. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- C. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A LOCATION AS DIRECTED BY THE OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- D. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- E. WORK INCLUDES THE REMODEL OF THE OPERATING ROOM AREA WHILE THE OPERATING ROOM AREA WILL REMAIN IN USE. REFER TO PHASING PLAN G2.01 AND GENERAL CONDITIONS OF THE CONTRACT FOR PROJECT PHASING REQUIREMENTS. ALL SYSTEMS REQUIRED TO MAINTAIN ONE FUNCTIONING OPERATING ROOM SHALL BE FULLY FUNCTIONAL. MAINTAIN OPERATING MECHANICAL SYSTEMS AND PROVIDE TEMPORARY CONNECTIONS TO EXISTING MECHANICAL PIPING, DUCTWORK, CONTROL SYSTEMS, AND EQUIPMENT AS NECESSARY TO ALLOW CONTINUED USE OF ONE OPERATING ROOM AS REQUIRED BY PROJECT PHASING PLAN.



1 FIRE SPRINKLER REMODEL PLAN
 1/8" = 1'-0"

SHEET NOTES:

- 1 DEMOLISH SPRINKLER PIPING, HEADS AND ASSOCIATED APPURTENANCES IN AREA OF REMODEL, SEE ARCHITECTURAL PLANS FOR EXTENT OF WALL AND CEILING REMODEL WORK.
- 2 REVISE EXISTING WET AUTOMATIC FIRE SPRINKLER SYSTEM, TO PROVIDE COMPLETE COVERAGE OF ALL NEW AND REMODELED AREAS. FIRE PROTECTION SYSTEM SHALL BE IN COMPLIANCE WITH CONTRACT DOCUMENTS, ALL APPLICABLE CODES AND STANDARDS, AS WELL AS THE AUTHORITY HAVING JURISDICTION AS DEFINED IN NFPA 13. PROVIDE NEW QUICK RESPONSE SPRINKLER HEADS, NEW HEADS SHALL MATCH MAKE, MODEL AND FINISH FOR EXISTING SPRINKLER WHITE COMPLYING WITH NFPA 13 STANDARDS.



KEYPLAN
 NO SCALE

PIPING LEGEND

	DENOTES DEMOLITION
	WASTE
	VENT PIPING
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATED
	LOW PRESSURE STEAM
	CONDENSATE
	SEE ABBREVIATIONS FOR MEDIA
	PIPE UP
	PIPE DOWN
	TEE UP
	TEE DOWN
	CAP
	UNION
	DIRECTION OF FLOW
	BALL/BUTTERFLY VALVE
	GATE VALVE
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	CHECK VALVE
	BALANCE/SHUT-OFF VALVE
	FUSIBLE VALVE
	PRESSURE REDUCING VALVE
	FLEXIBLE PIPING CONNECTOR
	GAS SHUT-OFF VALVE
	PRESSURE/TEMPERATURE RELIEF VALVE
	HOSE BIBB
	PUMP
	CLEANOUT
	FILTER
	METER
	PIPE GUIDE
	PIPE ANCHOR
	THERMOMETER
	PRESSURE GAUGE W/ ISOLATION COCK
	STRAINER W/ BLOWDOWN
	FLOOR CLEANOUT
	FLOOR DRAIN
	FLOOR SINK

DUCTWORK LEGEND

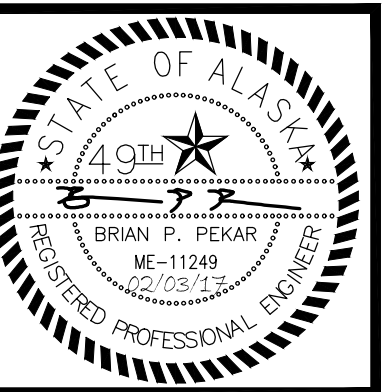
	THERMOSTAT OR SENSOR
	HUMIDISTAT OR SENSOR
	SUPPLY AIR UP & DOWN
	RETURN AIR UP & DOWN
	EXHAUST AIR UP & DOWN
	ROUND DUCT UP & DOWN
	VOLUME DAMPER
	MOTORIZED CONTROL DAMPER
	SOUND LINED DUCTWORK
	DUCT SIZE (FIRST FIGURE - SIDE SHOWN) (SECOND FIGURE - SIDE NOT SHOWN)
	INSULATED DUCTWORK
	TURNING VANES
	FLEXIBLE DUCT CONNECTION
	VAV BOX
	COIL IF REQUIRED
	FIRE DAMPER
	FIRE SMOKE DAMPER
	FLEXIBLE DUCT

LOGIC

	POINT OF CONNECTION
	DETAIL NUMBER
	SHEET LOCATED ON
	DIRECTION OF VIEW
	SECTION NUMBER
	SHEET LOCATED ON
	RADIATION DESIGNATOR
	LENGTH
	GPM
	SHEET NOTES
	CONNECTION - NECK SIZE
	CFM
	DIFFUSER OR GRILLE TYPE

ABBREVIATIONS

A	COMPRESSED AIR	HW	HOT WATER
AAV	AUTOMATIC AIR VENT	HWC	HOT WATER CIRCULATED
ABV	ABOVE	HWR	HOT WATER RETURN
ACC-X	AIR COOLED CHILLER DESIGNATOR	HWS	HOT WATER SUPPLY
ADA	AMERICAN W/ DISABILITIES ACT GUIDELINES	ID	INSIDE DAMPER
AD	ACCESS DOOR	IN	INCHES
AF	AIR FOIL	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	LAV	LAVATORY
AFG	ABOVE FINISHED GRADE	LF	LINEAL FEET
AHAP	AS HIGH AS POSSIBLE	LGT	LEAVING GLYCOL TEMPERATURE
AHU-X	AIR HANDLING UNIT DESIGNATOR	LPS	LOW PRESSURE STEAM
AL	ALUMINUM	LWT	LEAVING WATER TEMPERATURE
AMPS	AMPERES	MA	MEDICAL AIR
APD	AIR PRESSURE DROP	MAX	MAXIMUM
ARCH	ARCHITECTURAL	MAS-X	MEDICAL AIR COMPRESSOR SYSTEM DESIGNATOR
AV	ACID VENT	MBH	THOUSAND BTUH
AW	ACID WASTE	MFR	MANUFACTURER
B-X	BOILER DESIGNATOR	M/A	MAKE-UP AIR
BB-X	BASEBOARD RADIATION DESIGNATOR	MIN	MINIMUM
BDD	BACKDRAFT DAMPER	MOD	MOTOR OPERATED DAMPER
BDS-X	BLOWDOWN SEPARATOR DESIGNATOR	MOS-X	MEDICAL OXYGEN MANIFOLD SYSTEM DESIGNATOR
BLDG	BUILDING	MO	MEDICAL OXYGEN
BOD	BOTTOM OF DUCT	MVS-X	MEDICAL VACUUM SYSTEM DESIGNATOR
BTUH	BRITISH THERMAL UNIT/HOUR	MTD	MOUNTED
CAP	CAPACITY	MV	MEDICAL VACUUM
CC-X	COOLING COIL DESIGNATOR	NC	NOISE CRITERIA
C/A	COMBUSTION AIR	N.C.	NORMALLY CLOSED
CF-X	CARBON FILTER DESIGNATOR	NO.	NUMBER
CFM	CUBIC FEET PER MINUTE	N.O.	NORMALLY OPEN
CGR	COOLING GLYCOL RETURN	NT-X	NEUTRALIZING TANK DESIGNATOR
CGS	COOLING GLYCOL SUPPLY	NTS	NOT TO SCALE
CIRC	CIRCULATING	O2	OXYGEN
CLG	CEILING	OC	ON CENTER
CONT	CONTINUED	O/A	OUTSIDE AIR
C.O./CO	CLEANOUT	OD	OUTSIDE DAMPER
CONN	CONNECTION	OD-X	OVERFLOW DRAIN DESIGNATOR
CP-X	CIRCULATION PUMP DESIGNATOR	OSV	OIL SAFETY VALVE
CRP	CONDENSATE	P-X	PLUMBING FIXTURE DESIGNATOR
CU	COPPER	PD	PRESSURE DROP
CW	COLD WATER	PF-X	PRE-FILTER DESIGNATOR
DIA	DIAMETER	PG	PROPYLENE GLYCOL
dB	DECIBELS	PH	PHASE
DEG	DEGREE	PSI	POUND PER SQUARE INCH
DIM	DIMENSION	PSIG	POUNDS PER SQUARE INCH GAUGE
DN	DOWN	R/A	RETURN AIR
DT-X	DAY TANK DESIGNATOR	RAV-X	RETURN AIR VARIABLE AIR VOLUME UNIT DESIGNATOR
DWG	DRAWING	RP-X	RADIANT CEILING PANEL DESIGNATOR
E/A	EXHAUST AIR	RPM	REVOLUTIONS PER MINUTE
EAT	ENTERING AIR TEMPERATURE	RD-X	ROOF DRAIN DESIGNATOR
EFF	EFFICIENCY	RL	RAIN LEADER
EF-X	EXHAUST FAN DESIGNATOR	S/A	SUPPLY AIR
ET-X	EXPANSION TANK DESIGNATOR	SAV-X	SUPPLY AIR VARIABLE AIR VOLUME UNIT DESIGNATOR
EXH	EXHAUST	SCFM	STANDARD CUBIC FEET PER MINUTE
EWT	ENTERING WATER TEMPERATURE	SD	SMOKE DAMPER
ESP	EXTERNAL STATIC PRESSURE	SP	STATIC PRESSURE
EGT	ENTERING GLYCOL TEMPERATURE	SPEC	SPECIFICATION
ENT	ENTERING	SQ	SQUARE
EXIST	EXISTING	ST-X	SOUND TRAP DESIGNATOR
FT	FEET	TEMP	TEMPERATURE
FPM	FEET PER MINUTE	TOD	TOP OF DUCT
FPF	FINS PER FOOT	TSP	TOTAL STATIC PRESSURE
FC	FORWARD CURVE	T'STAT	THERMOSTAT
FF-X	FINAL FILTER DESIGNATOR	TTL	TOTAL
F	FAHRENHEIT	TV-X	TEMPERING VALVE DESIGNATOR
FCO	FLOOR CLEANOUT	TW	TEMPERED WATER
FD	FIRE DAMPER	TWC	TEMPERED WATER CIRCULATED
FD-X	FLOOR DRAIN DESIGNATOR	TYP	TYPICAL
FIN	FINISHED	UH-X	UNIT HEATER DESIGNATOR
FLR	FLOOR	UPC	UNIFORM PLUMBING CODE
FOS	FUEL OIL SUPPLY	V	VENT
FOR	FUEL OIL RETURN	VAC	VACUUM
FSD	FIRE SMOKE DAMPER	VEL	VELOCITY
FTU	FAN TERMINAL UNIT	VF-X	VENTILATION FAN DESIGNATOR
GA	GAUGE	VTR	VENT THRU ROOF
GALV	GALVANIZED	WC	WATER COLUMN
GPH	GALLONS PER HOUR	WG	WATER GAUGE
GAL	GALLONS	WCO	WALL CLEAN OUT
GPM	GALLONS PER MINUTE	WHA	WATER HAMMER ARRESTOR
GT-X	GLYCOL TANK DESIGNATOR	W	WASTE
GTD	GLYCOL TEMPERATURE DROP	W/	WITH
H-X	HUMIDIFIER DESIGNATOR	W/O	WITHOUT
HB-X	HOSE BIBB DESIGNATOR	WPD	WATER PRESSURE DROP
HC-X	HEATING COIL DESIGNATOR	WS-X	WATER SOFTENER DESIGNATOR
HD	HEAD	WT-X	WELL TANK DESIGNATOR
HGR	HEATING GLYCOL RETURN	YCO	YARD CLEAN OUT
HGS	HEATING GLYCOL SUPPLY		
HOA	HAND-OFF-AUTO		
HP	HORSEPOWER		



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 DWG FILE: L6191_MSERIES

DRAWING TITLE:
 MECHANICAL LEGEND
 & ABBREVIATIONS

SHEET:
M001

0'
1"
2"
3"

AIR HANDLER SCHEDULE

SYMBOL	MANUFACTURER / MODEL	AREA SERVED	COIL TAG	FAN				TSP / ESP				PRE-FILTERS			FINAL FILTERS			MOTOR DATA			REMARKS
				SIZE	TYPE	CFM	ARRANGEMENT	IN. W.C.	FPM	MFGR / MODEL	FACE AREA	FPM	MFGR / MODEL	FACE AREA	HP	VOLTS	PH				
AC-2	ENERGY LABS / C7260-FCH-L	OPERATING	HC-1, CC-1	16.00 IN	CENTRIFUGAL	3000 (2)	ARRAY - QTY 2 PLENUM FANS	4.50/2.67	300	PREPLEAT 40 LPD / MERV 8	22.67 SQ. FT.	300	RIGID AIR / MERV 14	20.0 SQ. FT.	5 (2)	460	3	INTAKE PLENUM SECTION, PRE-FILTER SECTION, FINAL FILTER SECTION, COOLING COIL, HEATING COIL, PLENUM FAN ARRAY, NEMA PREMIUM EFFICIENCY MOTORS, MARINE LIGHTS, OSHPD SEISMIC CERTIFIED, (2) VFDS PROVIDED BY CONTROLS CONTRACTOR.			

AIR HANDLER SOUND DATA SCHEDULE

SYMBOL	LOCATION	OCTAVE BAND FREQUENCY (Hz)								REMARKS
		63	125	250	500	1K	2K	4K	8K	
AC-2	OUTLET	88	83	89	94	87	81	78	81	SOUND DATA INTEGRAL TO AHU.
	INLET	86	82	87	94	80	80	78	72	SOUND DATA INTEGRAL TO AHU.

HEATING COIL SCHEDULE

SYMBOL	MANUFACTURER / MODEL	LOCATION	SIZE (H X L)	CFM	CAPACITY (MBH)	AIR P.D. (IN. W.C.)	FACE VEL. (FPM)	EAT (DEG F)	LAT (DEG F)	GPM	MEDIUM	EGT (DEG F)	LGT (DEG F)	WPD (FT HD)	REMARKS
HC-1	DAIKIN / 5WQ0801C	AC-2	63" X 45"	6,000	239	0.053	305	40	65	12.5	40% P.G.	180	150	1.8	SPLIT COIL, 2 SECTIONS, 31.5"H X 45"L EACH.

COOLING COIL SCHEDULE

SYMBOL	MANUFACTURER / MODEL	LOCATION	SIZE (H X L)	CFM	CAPACITY (MBH)	AIR P.D. (IN. W.C.)	FACE VEL. (FPM)	EDB (DEG F)	EWB (DEG F)	LDB (DEG F)	LWB (DEG F)	GPM	MEDIUM	EGT (DEG F)	LGT (DEG F)	WPD (FT HD)	REMARKS
CC-1	DAIKIN / 5WL1212C	AC-2	63" X 45"	6,000	239	1.15	305	70.0	60.0	44.7	44.7	40	40% P.G.	37	50	13.5	SPLIT COIL, 2 SECTIONS, 31.5"H X 45"L EACH.

CHILLER SCHEDULE

SYMBOL	MANUFACTURER / MODEL	NOMINAL TONS	REFRIGERANT	SERVES	EVAPORATOR				ELECTRICAL DATA				REMARKS
					MEDIUM	EGT	LGT	GPM	P.D.	VOLTS / PH	MOP	MCA	
CH-1	ARCTIC HILL/ACVM0300D4-MM-DS	23	R-410A	AC-2	40% P.G.	51.5	37.0	40	4.5	460/ 3	110	90	ASCE 07-10 SEISMIC RATED, PROVIDE W/ FREE COOLING MODULE FC-080, DUPLEX PUMP PACKAGE CP-2A,B, EXPANSION TANK, SINGLE POINT ELECTRICAL CONNECTION W/ CIRCUIT BREAKER.

GLYCOL TANK SCHEDULE

SYMBOL	MANUFACTURER / MODEL	FUNCTION	MEDIUM	MATERIAL	TANK CAPACITY (GAL)	TANK DIMENSIONS	PUMP GPM	PSI	WATTS	POWER	LABEL	REMARKS
GT-1	AXIOM / SF100-D	HC-1, CC-1	40% P.G.	PLASTIC	55	24" DIA X 42" H	1.8 @ 70 PSI	84	120/60/1	ETL, UL	FULLY PACKAGED DUPLEX PUMP GLYCOL CHARGING SYSTEM, OPTION 2PRV, CORD AND PLUG CONNECTION, RIA10-1 ALARM PANEL.	

EXPANSION TANK SCHEDULE

SYMBOL	MANUFACTURER / MODEL	LOCATION	SERVES	MEDIUM	MATERIAL	TANK TOTAL VOLUME (GAL)	TANK ACCEPTANCE (GAL)	DIMENSIONS	REMARKS
ET-1	AMTROL / SX-90V	MECHANICAL ROOM	HEATING COIL LOOP	40% P.G.	STEEL/EDPM	44	34	22" DIA X 36" H	PRE-CHARGED TO 12 PSI.
ET-2	ARTIC HILL	CHILLER PACKAGE	COOLING COIL LOOP	40% P.G.	--	--	--	--	EXPANSION TANK PROVIDED W/ CH-1.

PUMP SCHEDULE

SYMBOL	MANUFACTURER / MODEL	FUNCTION	PUMPED			MOTOR DATA		REMARKS
			MEDIUM	GPM	HEAD FT	HP	POWER	
CP-1A,B	GRUNDFOS / UPS 40-160	HEATING GLYCOL CIRCULATION	40% P.G.	17.5	35	3/4	460/60/3	2 SPEED PUMP, SET TO SPEED 1.
CP-2A,B	ARTIC HILL	CHILLED GLYCOL CIRCULATION	40% P.G.	40	60	5	460/60/3	PUMPS PROVIDED W/ CH-1.

FAN SCHEDULE

SYMBOL	MANUFACTURER / MODEL	TYPE	SERVICE	CFM	TSP			MOTOR DATA				REMARKS
					IN. W.C.	RPM	HP	POWER	DRIVE	SONES	FINISH	
RF-2A,B	GREENHECK / SQ-160-A	INLINE	AC-2 RELIEF	3,000	1.0	1725	2	460/60/3	DIRECT	68	ALUMINUM	SEISMIC CERTIFIED, PROVIDE W/BACKDRAFT DAMPER, VFD RATED MOTOR W/SHAFT GROUNDING.

AIR SEPARATOR SCHEDULE

SYMBOL	MFGR / MODEL	SERVES	SIZE	CONNECTION	MATERIAL	FLUID	REMARKS
AS-1	SPIRO THERM / VDN200	HEATING COIL LOOP	2"	FLANGED	STEEL	40% P.G.	COMBINATION AIR AND DIRT SEPARATOR, 1.2 FT PRESSURE DROP @ 50 GPM, INTEGRAL AIR VENT.
AS-2	SPIRO THERM / VDN250	COOLING COIL LOOP	2-1/2"	FLANGED	STEEL	40% P.G.	COMBINATION AIR AND DIRT SEPARATOR, 0.6 FT PRESSURE DROP @ 80 GPM, INTEGRAL AIR VENT.

HEAT EXCHANGER SCHEDULE

SYMBOL	MANUFACTURER	MODEL	TYPE	FUNCTION	HOT SIDE					COLD SIDE					REMARKS
					MEDIUM	GPM	FT HD	DEG F	DEG F	MEDIUM	GPM	FT HD	DEG F	DEG F	
HX-1	KELVION	FG10X20-120	BRAZED PLATE	AC-2 HEATING COIL	WATER	51	2	190	160	40% PG	55	3	150	180	PROVIDE W/ WALL MOUNTING BRACKET, HX SIZED FOR FUTURE CONNECTION TO AC-1 AND HV-1.



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HOMER, ALASKA 99603

REVISIONS:

DRAWN BY: MRB
 CHECKED BY: RDD
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191MSERIES

DRAWING TITLE:
 MECHANICAL SCHEDULES

SHEET:
M002



RISA
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 Phone (907) 276-0521
 Corporate No.: AECC542

SOUTH PENINSULA HOSPITAL
OPERATING ROOM HVAC RENOVATIONS
4300 BARTLETT ST.
HOMER, ALASKA 99603

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 MECHANICAL
 SCHEDULES

SHEET:
M003

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	BASIS OF DESIGN	MODEL	MOUNTING	CW	HW	WASTE	VENT	TRAP	COLOR/FINISH	REMARKS
P-1	2 COMPARTMENT SCRUB SINK	ELKAY	EWSF26026	WALL	1/2" (2)	1/2" (2)	2"	1-1/2"	2"	STAINLESS	PROVIDE INDIVIDUAL CW/HW/W CONNECTIONS FOR EACH COMPARTMENT, PROVIDE W/ TWO (2) LKB721C SENSOR OPERATED FAUCETS, LK196 STRAINER GRID DRAIN AND LK723 THERMOSTATIC MIXING VALVE.
P-2	SERVICE SINK	FIAT	MSB-2424	FLOOR	3/4"	3/4"	2"	1-1/2"	2"	WHITE	FIAT FAUCET 830-AA, 832 HOSE AND BRACKET, 1239 VINYL BUMPERGUARD, 889-CC MOP HANGER.
P-3	CLINICAL SINK	EXISTING TO RE-USE	---	WALL	1"	---	3"	2"	3"	---	EXISTING FIXTURE AND APPURTENANCES TO BE SALVAGED FOR RE-USE.
P-4	SINK	ELKAY	LRAD151760	COUNTER	1/2"	1/2"	1-1/2"	1-1/4"	1-1/2"	STAINLESS	18 GAUGE 304 STAINLESS STEEL, SOUND DEADENING, SELF-RIMMING, LKAD35 DRAIN, 4" CENTERS, T&S BRASS B-0892 RIGID GOOSENECK W/ B-0199-01 2.2 GPM AERATOR.

AIR INLET/OUTLET SCHEDULE

SYMBOL	MFGR	MODEL	TYPE	USE	MATERIAL	FINISH	CFM	FACE SIZE (IN.)	NC	REMARKS
(A)	TITUS	TLF-SS	LAMINAR	S/A	STAINLESS STEEL	WHITE	PER PLANS	48/24	<30	RADIAL CABLE OPERATE DAMPER, EQUALIZATION BAFFLE, RETAINING CABLES, FULLY WELDED PLENUM AND INLET, FRAME FOR GYPSUM BOARD CEILING.
(B)	TITUS	TLF-SS	LAMINAR	S/A	STAINLESS STEEL	WHITE	PER PLANS	36/24	<30	RADIAL CABLE OPERATE DAMPER, EQUALIZATION BAFFLE, RETAINING CABLES, FULLY WELDED PLENUM AND INLET, FRAME FOR GYPSUM BOARD CEILING.
(C)	TITUS	OMNI-AA	SQUARE	S/A	ALUMINUM	WHITE	PER PLANS	PER PLANS	<30	FRAME TYPE AS REQUIRED.
(D)	TITUS	PAR-AA	PERFORATED	R/A, E/A	ALUMINUM	WHITE	PER PLANS	PER PLANS	<30	FRAME TYPE AS REQUIRED.
(E)	TITUS	350 FL	LINEAR	R/A	ALUMINUM	WHITE	PER PLANS	PER PLANS	<30	35" DEFLECTION, 3/4" BLADE SPACING, BLADES PARALLEL TO THE LONG DIMENSION, FRAMES FOR MOUNTING TO GYPSUM WALL BOARD.

SINGLE DUCT VAV UNIT WITH REHEAT SCHEDULE

SYMBOL	MFGR	AREA SERVED	SIZE		CFM		STATIC PRESSURE (IN. WC.)		NC LEVELS		HOT WATER HEAT COIL								REMARKS		
			MODEL	UNIT	MAX	MIN	INLET	DISCHARGE	RAD.	DISH.	CFM	MBH	EAT	LAT	APD (IN. WC.)	GPM	EWT	LWT		WPD (FT HD)	ROWS
SAV-2-1	TITUS	OR #1	DESV	16	1,800	900	1.0	0.25	11	14	1,800	48.8	55 °F	80 °F	<0.5	4.2	180 °F	155 °F	<1.0	1	S/A, HEATING COIL, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR, BOTTOM ACCESS PANEL, ULTRALOC LINER.
SAV-2-2	TITUS	OR #2	DESV	16	1,800	900	1.0	0.25	11	14	1,800	48.8	55 °F	80 °F	<0.5	4.2	180 °F	155 °F	<1.0	1	S/A, HEATING COIL, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR, BOTTOM ACCESS PANEL, ULTRALOC LINER.
SAV-2-3	TITUS	CORRIDOR 237	DESV	10	750	750	1.0	0.25	17	18	750	20.3	55 °F	80 °F	<0.5	2.2	180 °F	160 °F	<1.0	1	S/A, HEATING COIL, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR, BOTTOM ACCESS PANEL, ULTRALOC LINER.
SAV-2-4	TITUS	LOCKERS / DR. LOUNGE	DESV	10	400	200	1.0	0.25	15	18	400	10.8	55 °F	80 °F	<0.5	1.2	180 °F	145 °F	<1.0	1	S/A, HEATING COIL, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR, BOTTOM ACCESS PANEL, ULTRALOC LINER.
SAV-2-5	TITUS	STERILE STORAGE	DESV	10	550	550	1.0	0.25	14	17	550	14.9	55 °F	80 °F	<0.5	1.0	180 °F	150 °F	<1.0	1	S/A, HEATING COIL, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR, BOTTOM ACCESS PANEL, ULTRALOC LINER.
SAV-2-6	TITUS	X-RAY	DESV	6	400	400	1.0	0.25	17	20	400	10.9	55 °F	80 °F	<0.5	1.3	180 °F	160 °F	<1.0	1	S/A, HEATING COIL, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR, BOTTOM ACCESS PANEL, ULTRALOC LINER.
RAV-2-1	TITUS	OR #1	DECV	12	1,600	600	1.0	0.25	25	29	---	---	---	---	---	---	---	---	---	---	R/A, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR.
RAV-2-2	TITUS	OR #2	DECV	12	1,600	600	1.0	0.25	25	29	---	---	---	---	---	---	---	---	---	---	R/A, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR.
RAV-2-3	TITUS	CORRIDOR 237 / LOCKERS / STERILE STORAGE	DECV	12	1,450	1,250	1.0	0.25	25	29	---	---	---	---	---	---	---	---	---	---	R/A, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR.
RAV-2-4	TITUS	X-RAY	DECV	6	400	400	1.0	0.25	21	25	---	---	---	---	---	---	---	---	---	---	R/A, CONTROL ENCLOSURE, REMOVABLE AIRFLOW SENSOR, EBTRON EF-X1000-T AIRFLOW SENSOR.

IN-LINE DUCT STEAM DISPERSION TUBE SCHEDULE

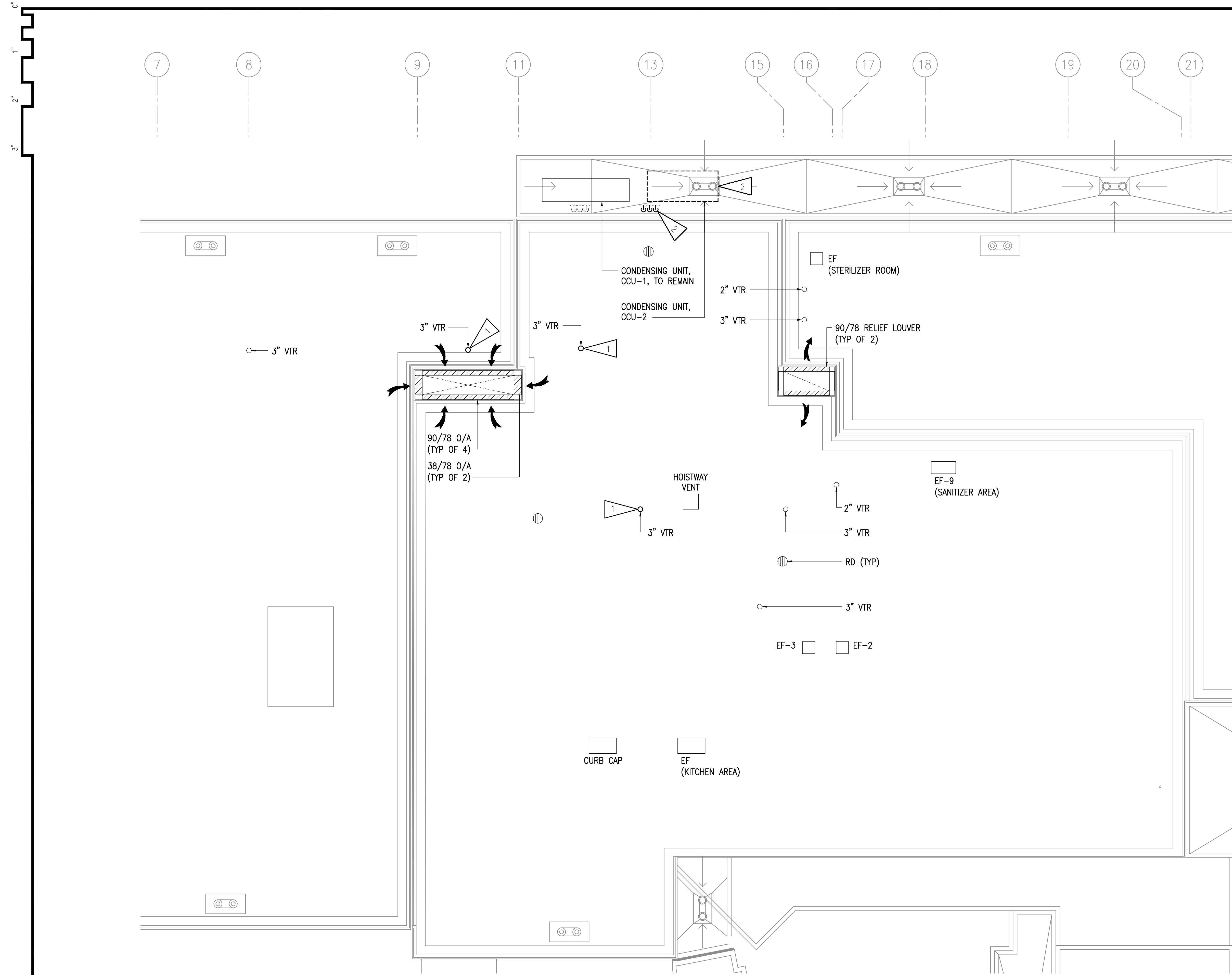
SYMBOL	MFGR / MODEL	HEADER LENGTH	WIDTH OF TUBES	AIRFLOW (CFM)	AIR STREAM dP (IN. W.C.)	CAPACITY (LBS/HOUR)	STEAM PRESSURE	CONTROL VALVE NO.	REQUIRED CV	ACTUAL CV	ORIFICE SIZE	ABSORPTION DISTANCE (IN.)	REMARKS
H-1	ARMSTRONG / HUMIDIPACK PLUS	16	18	1,800	0.096	10.7	10 PSI	ACV-02-BNVEM	0.40	0.45	1/8"	18	DUCT PRESSURE SWITCH, HIGH LIMIT HUMIDISTAT, HORIZONTAL HEADER, MODULATING, CONTROL VALVE, STRAINER, BUCKET STEAM TRAP.
H-2	ARMSTRONG / HUMIDIPACK PLUS	16	18	1,800	0.096	10.7	10 PSI	ACV-02-BNVEM	0.40	0.45	1/8"	18	DUCT PRESSURE SWITCH, HIGH LIMIT HUMIDISTAT, HORIZONTAL HEADER, MODULATING, CONTROL VALVE, STRAINER, BUCKET STEAM TRAP.
H-3	ARMSTRONG / HUMIDIPACK PLUS	12	12	750	0.070	4.5	10 PSI	ACV-02-BNVEM	0.15	0.45	1/8"	24	DUCT PRESSURE SWITCH, HIGH LIMIT HUMIDISTAT, HORIZONTAL HEADER, MODULATING, CONTROL VALVE, STRAINER, BUCKET STEAM TRAP.
H-4	ARMSTRONG / HUMIDIPACK PLUS	12	12	400	0.024	3.0	10 PSI	ACV-02-BNVEM	0.15	0.45	1/8"	24	DUCT PRESSURE SWITCH, HIGH LIMIT HUMIDISTAT, HORIZONTAL HEADER, MODULATING, CONTROL VALVE, STRAINER, BUCKET STEAM TRAP.
H-5	ARMSTRONG / HUMIDIPACK PLUS	12	16	550	0.025	3.3	10 PSI	ACV-02-BNVEM	0.68	0.90	3/16"	18	DUCT PRESSURE SWITCH, HIGH LIMIT HUMIDISTAT, HORIZONTAL HEADER, MODULATING, CONTROL VALVE, STRAINER, BUCKET STEAM TRAP.
H-6	ARMSTRONG / HUMIDIPACK PLUS	12	16	400	0.012	2.1	10 PSI	ACV-02-BNVEM	0.68	0.90	3/16"	18	DUCT PRESSURE SWITCH, HIGH LIMIT HUMIDISTAT, HORIZONTAL HEADER, MODULATING, CONTROL VALVE, STRAINER, BUCKET STEAM TRAP.

WHA SCHEDULE

SYMBOL	SIZE	FIXTURE UNITS
WHA-A	1/2"	1-11
WHA-B	3/4"	12-32
WHA-C	1"	33-60
WHA-D	1-1/4"	61-113
WHA-E	1-1/2"	114-154
WHA-F	2"	155-330

MEDICAL GAS FIXTURE SCHEDULE

SYMBOL	LOCATION	MEDIUM PROVIDED & NUMBER OF CONNECTIONS				REMARKS
		O2	VAC	MA	WAGD	
(E)	WALL	1	2	---	---	OUTLETS TO BE DEMOLISHED.
(F)	CEILING	1	2	---	---	OUTLETS TO BE DEMOLISHED.
(N)	WALL	1/2" (1)	3/4" (2)	1/2" (1)	3/4" (1)	NEW OUTLETS.
(O)	WALL	1/2" (1)	3/4" (3)	1/2" (1)	3/4" (1)	NEW OUTLETS.
(P)	WALL	1/2"	1"	1/2"	---	AREA ALARM AND ZONE VALVE ISOLATION PANEL.

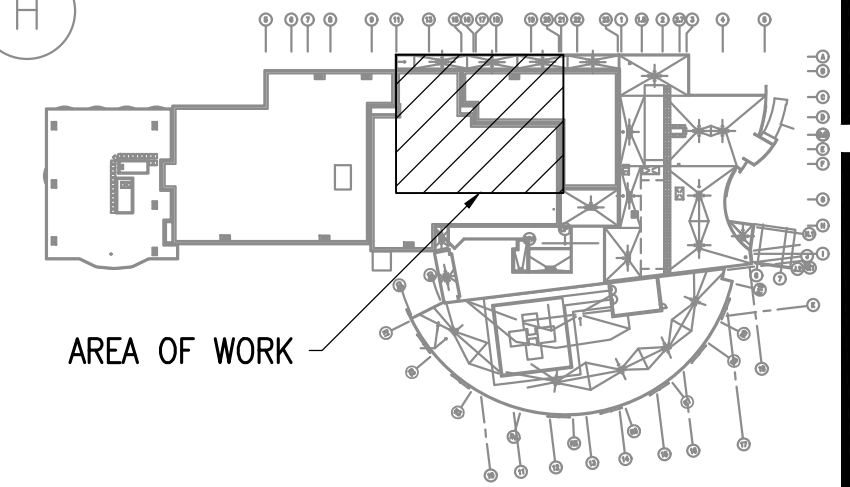


GENERAL NOTES:

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- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A LOCATION AS DIRECTED BY THE OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- D. WORK INCLUDES THE REMODEL OF THE OPERATING ROOM AREA WHILE THE OPERATING ROOM AREA WILL REMAIN IN USE. REFER TO PHASING PLAN G2.01 AND GENERAL CONDITIONS OF THE CONTRACT FOR PROJECT PHASING REQUIREMENTS. ALL SYSTEMS REQUIRED TO MAINTAIN ONE FUNCTIONING OPERATING ROOM SHALL BE FULLY FUNCTIONAL. MAINTAIN OPERATING MECHANICAL SYSTEMS AND PROVIDE TEMPORARY CONNECTIONS TO EXISTING MECHANICAL PIPING, DUCTWORK, CONTROL SYSTEMS, AND EQUIPMENT AS NECESSARY TO ALLOW CONTINUED USE OF ONE OPERATING ROOM AS REQUIRED BY PROJECT PHASING PLAN.
- E. NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

SHEET NOTES:

- 1 DEMOLISH EXISTING VTR AND RE-LOCATE MINIMUM 25' CLEAR FROM O/A INTAKE. PATCH ROOF.
- 2 DEMOLISH CONDENSING UNIT CCU-2 AND ALL ASSOCIATED APPURTENANCES. DEMOLISH REFRIGERANT PIPING TO AC-2.



KEYPLAN
NO SCALE

1 ROOF MECHANICAL DEMOLITION PLAN
1/8"=1'-0"



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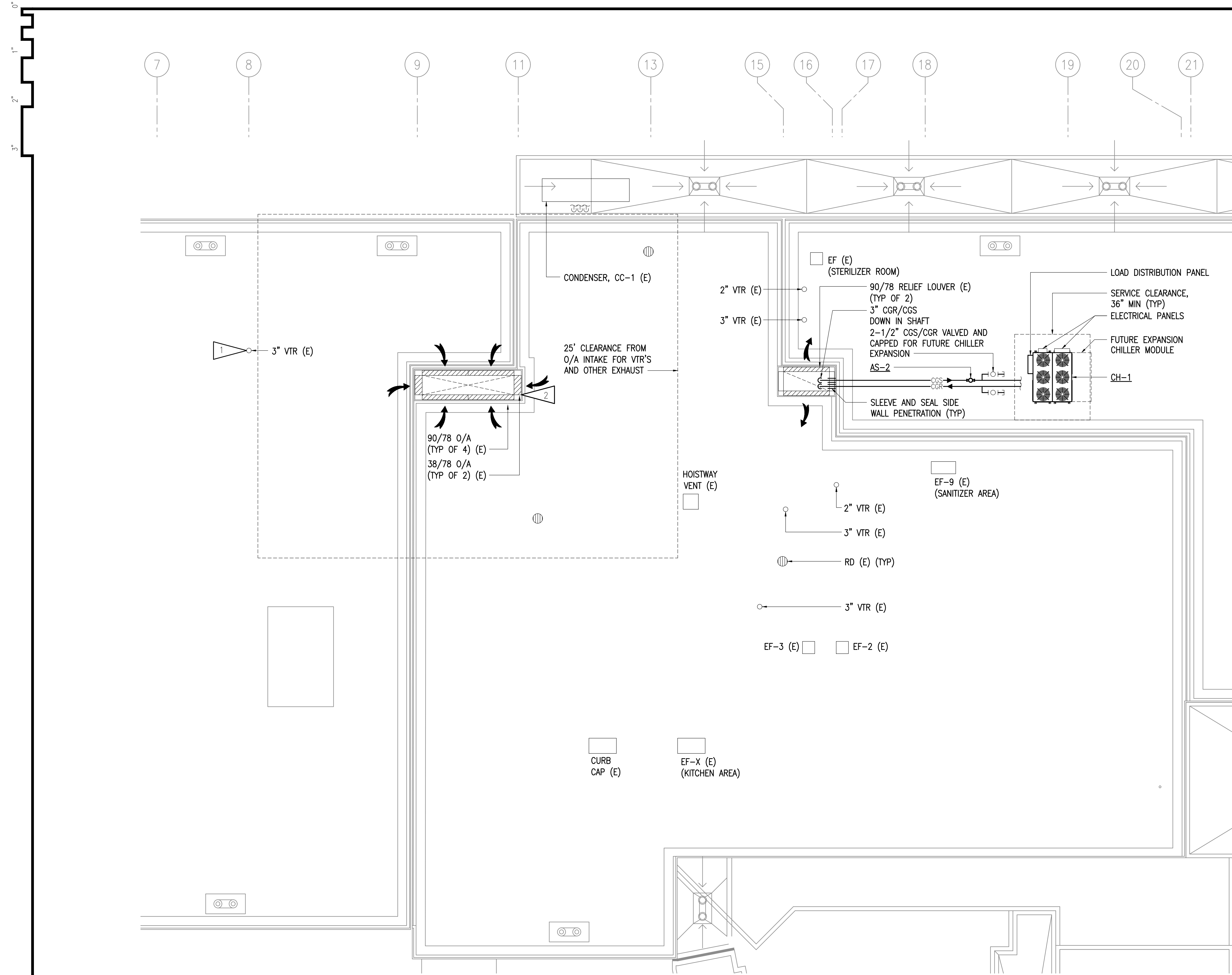
SOUTH PENINSULA HOSPITAL
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REVISIONS:

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DRAWING TITLE:
ROOF MECHANICAL DEMOLITION PLAN

SHEET:
M004



GENERAL NOTES:

- A. WORK INCLUDES THE REMODEL OF THE OPERATING ROOM AREA WHILE THE OPERATING ROOM AREA WILL REMAIN IN USE. REFER TO PHASING PLAN G2.01 AND GENERAL CONDITIONS OF THE CONTRACT FOR PROJECT PHASING REQUIREMENTS. ALL SYSTEMS REQUIRED TO MAINTAIN ONE FUNCTIONING OPERATING ROOM SHALL BE FULLY FUNCTIONAL. MAINTAIN OPERATING MECHANICAL SYSTEMS AND PROVIDE TEMPORARY CONNECTIONS TO EXISTING MECHANICAL PIPING, DUCTWORK, CONTROL SYSTEMS, AND EQUIPMENT AS NECESSARY TO ALLOW CONTINUED USE OF ONE OPERATING ROOM AS REQUIRED BY PROJECT PHASING PLAN.
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SHEET NOTES:

- 1 RE-ROUTE 2ND FLOOR VENT PIPING FROM DEMOLISHED VTR BETWEEN GRIDS 9 AND 11. CONNECT TO EXISTING 3" VTR. VERIFY 25' CLEARANCE FROM O/A INTAKE.
- 2 O/A INTAKE REQUIRED TO BE A MIN OF 3' ABOVE ROOF SURFACE. REMOVE LOUVERS. INSTALL 38/24 (TYP OF 2) AND 90/24 (TYP OF 4) CLOSURE PANELS ON BOTTOM OF LOUVERS AND RE-INSTALL.



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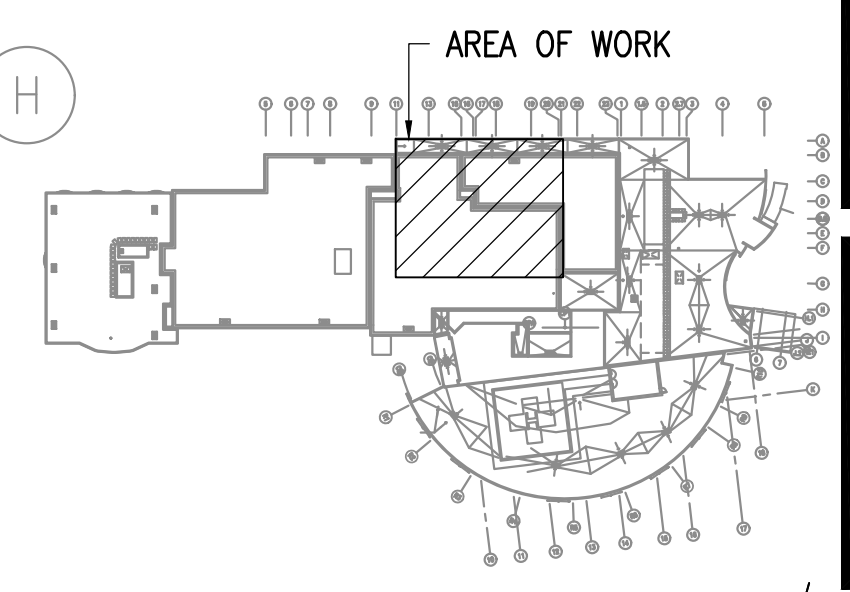
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ROOF MECHANICAL REMODEL PLAN

SHEET:
M005

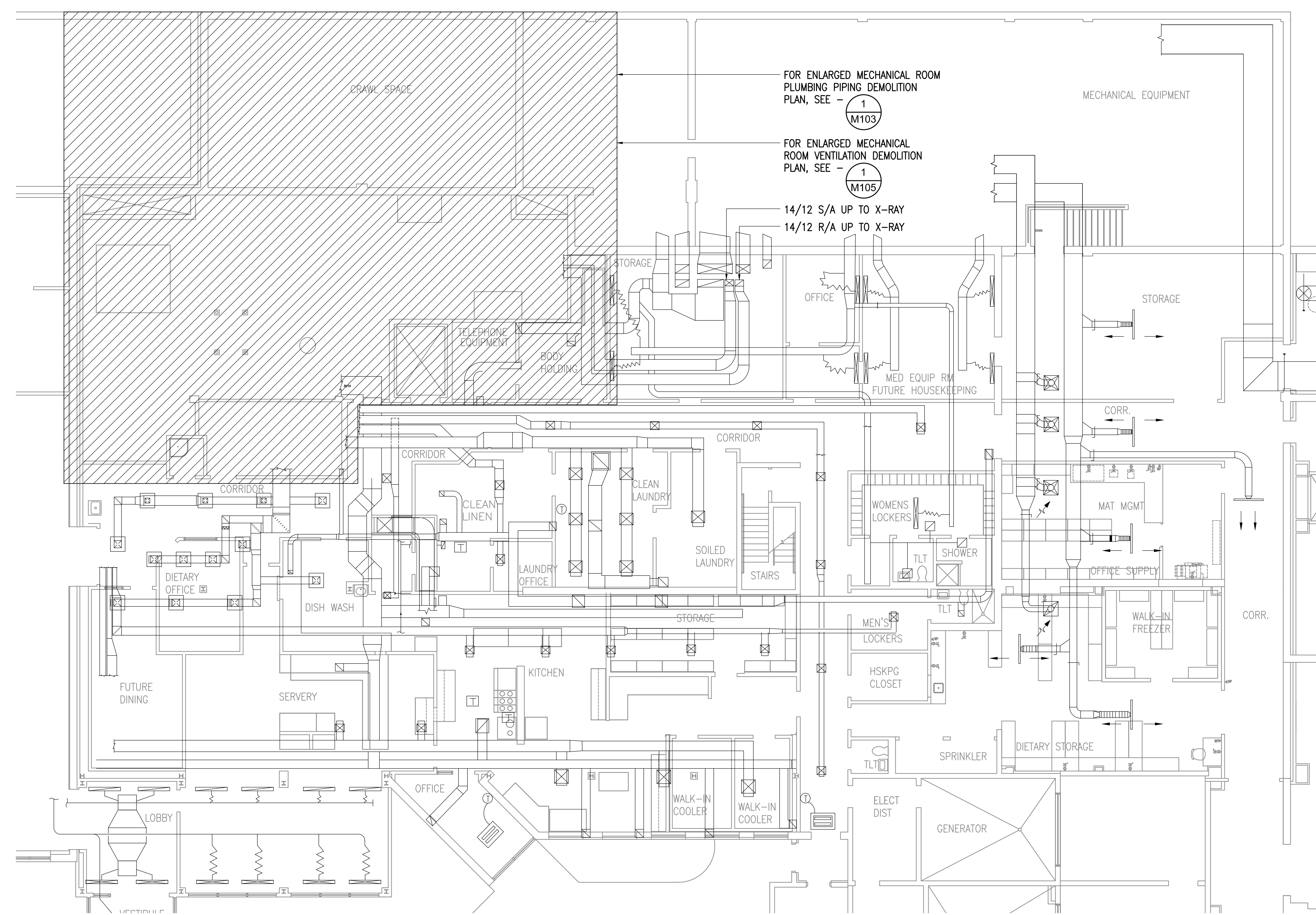
1 ROOF MECHANICAL REMODEL PLAN
 1/8"=1'-0"



KEYPLAN
 NO SCALE

0'
1"
2"
3"

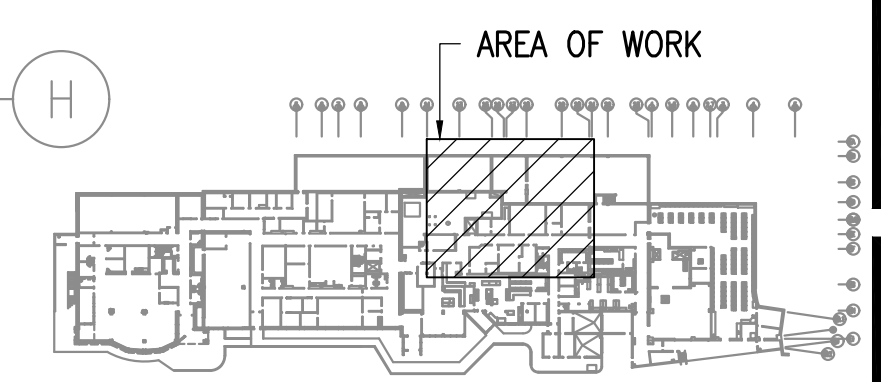
9 11 13 15 16 17 18 19 20 21 22 23 1



A
B
C
D
D.5
E
F
G
H

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1 LEVEL 1 VENTILATION DEMOLITION PLAN
1/8"=1'-0"

KEYPLAN
NO SCALE



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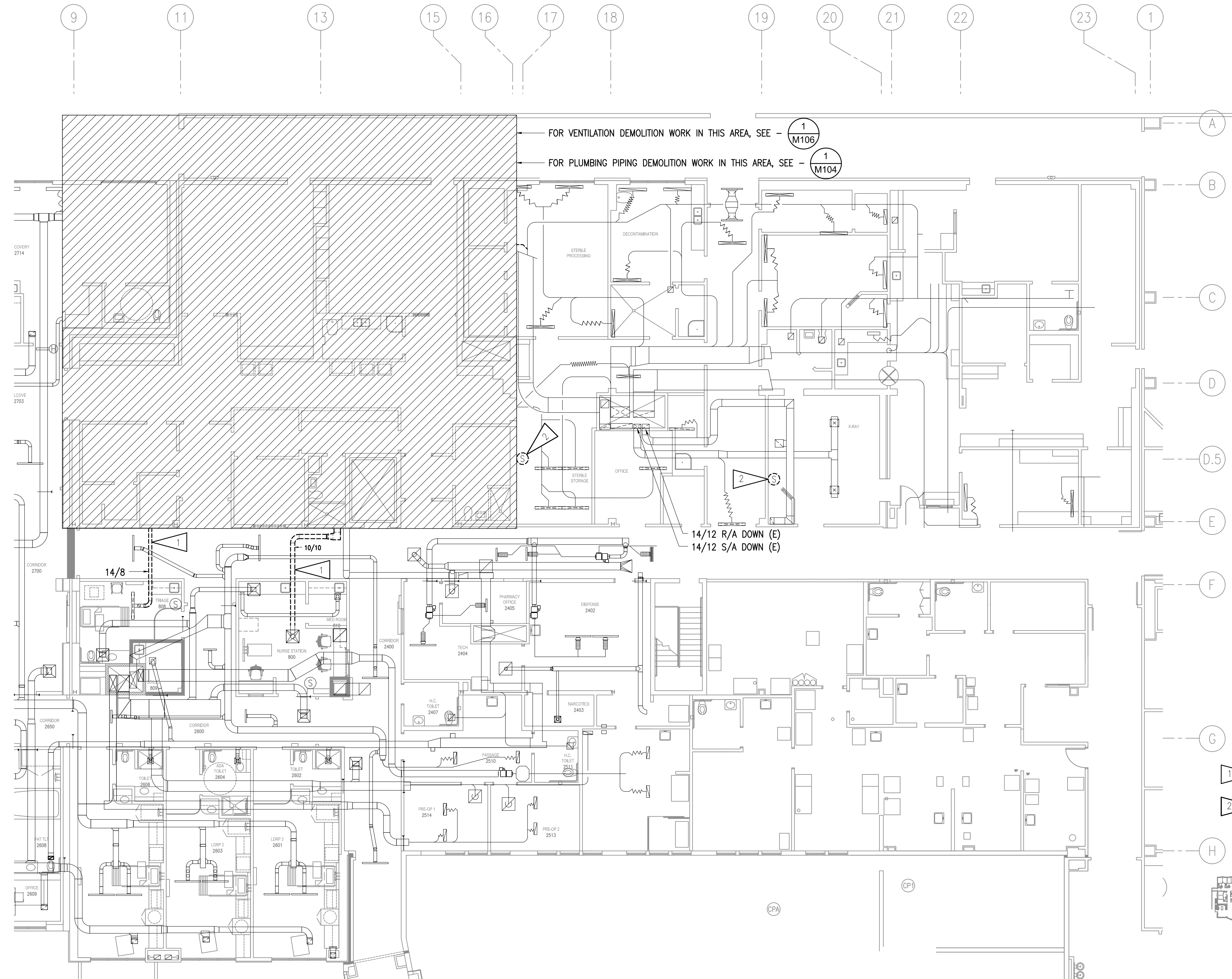
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DRAWING TITLE:
LEVEL 1 VENTILATION DEMOLITION PLAN

SHEET:
M101

0'
1"
2"
3"



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SHEET NOTES:

- 1 DEMOLISH DUCTWORK TO THE EXTENT INDICATED.
- 2 DEMOLISH TEMPERATURE SENSOR.

1 LEVEL 2 VENTILATION DEMOLITION PLAN
1/8"=1'-0"

KEYPLAN
NO SCALE



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LEVEL 2 VENTILATION DEMOLITION PLAN

SHEET:
M102



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REVISIONS:
 1 ADDENDUM #1
 2/21/2017

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 DWG FILE: L6191_MSERIES

DRAWING TITLE:
 ENLARGED MECHANICAL
 ROOM PIPING
 DEMOLITION PLAN

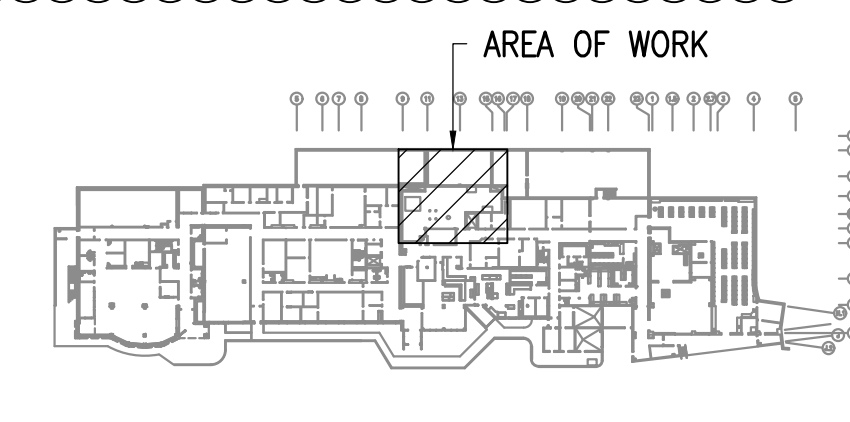
SHEET:
M103

GENERAL NOTES:

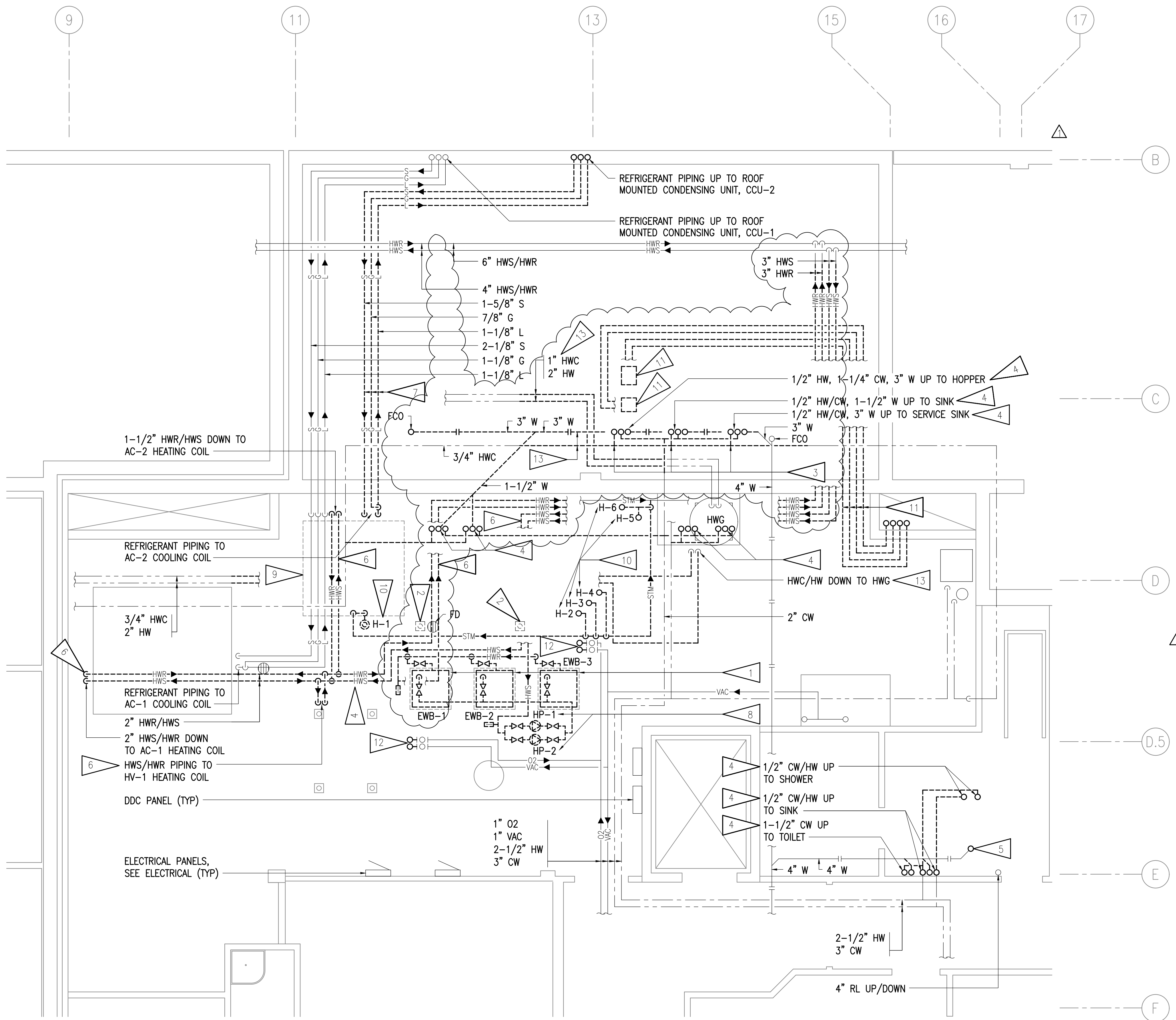
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- C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- D. WORK INCLUDES THE REMODEL OF THE OPERATING ROOM AREA WHILE THE OPERATING ROOM AREA WILL REMAIN IN USE. REFER TO PHASING PLAN G2.01 AND GENERAL CONDITIONS OF THE CONTRACT FOR PROJECT PHASING REQUIREMENTS. ALL SYSTEMS REQUIRED TO MAINTAIN ONE FUNCTIONING OPERATING ROOM SHALL BE FULLY FUNCTIONAL. MAINTAIN OPERATING MECHANICAL SYSTEMS AND PROVIDE TEMPORARY CONNECTIONS TO EXISTING MECHANICAL PIPING, DUCTWORK, CONTROL SYSTEMS, AND EQUIPMENT AS NECESSARY TO ALLOW CONTINUED USE OF ONE OPERATING ROOM AS REQUIRED BY PROJECT PHASING PLAN.
- E. NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

SHEET NOTES:

- 1 DEMOLISH ELECTRIC BOILERS, HEATING PIPING AND ALL ASSOCIATED APPURTENANCES. DEMOLISH ELECTRIC BOILER HOUSEKEEPING PADS. (TYP OF 3)
- 2 DEMOLISH PIPING SUPPORTS. EXISTING PIPING TO BE TEMPORARILY SUPPORTED UNTIL EXISTING HEATING PIPING DEMOLITION CAN BE COMPLETED WITH THE DEMOLITION OF THE EXISTING AC-2 UNIT.
- 3 DEMOLISH DOMESTIC PLUMBING PIPING TO EXTENT SHOWN. CAP PIPING AT MAIN.
- 4 DEMOLISH PIPING TO FIXTURE ON SECOND FLOOR. DOMESTIC PLUMBING PIPING FLOOR PENETRATIONS TO BE PATCHED AND SEALED.
- 5 DEMOLISH FLOOR DRAIN SERVING 2ND FLOOR SHOWER. PATCH AND SEAL FLOOR PENETRATION. DEMOLISH WASTE PIPING TO EXTENT NECESSARY FOR REMODEL.
- 6 DEMOLISH ALL HWR/HWS PIPING, VALVES AND PUMPS TO AC-2, AC-1 AND HV-1 HEATING COILS. AC-1 AND HV-1 HEATING COILS TO REMAIN.
- 7 DEMOLISH REFRIGERANT PIPING FROM AC-2 UP TO ROOF MOUNTED CONDENSING UNIT.
- 8 DEMOLISH HEATING PUMPS.
- 9 DEMOLISH AC-2 AND ALL ASSOCIATED APPURTENANCES. DEMOLISH HOUSEKEEPING PAD.
- 10 DEMOLISH DUCT HUMIDIFIER. DEMOLISH STEAM AND CONDENSATE PIPING AND HUMIDIFIERS.
- 11 DEMOLISH DEHUMIDIFIER. DEMOLISH REFRIGERANT PIPING UP TO ROOF.
- 12 DEMOLISH VAC AND O2 PIPING TO FLOOR ABOVE.
- 13 DEMOLISH DOMESTIC AND WASTE PIPING TO EXTENT NECESSARY TO ACCOMMODATE REMODEL.



KEYPLAN
 NO SCALE





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4300 BARTLETT ST.
HOMER, ALASKA 99603

REVISIONS:

DRAWN BY: MRB
 CHECKED BY: RDD
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191_MSERIES

DRAWING TITLE:
 ENLARGED SECOND FLOOR PLUMBING PIPING DEMOLITION PLAN

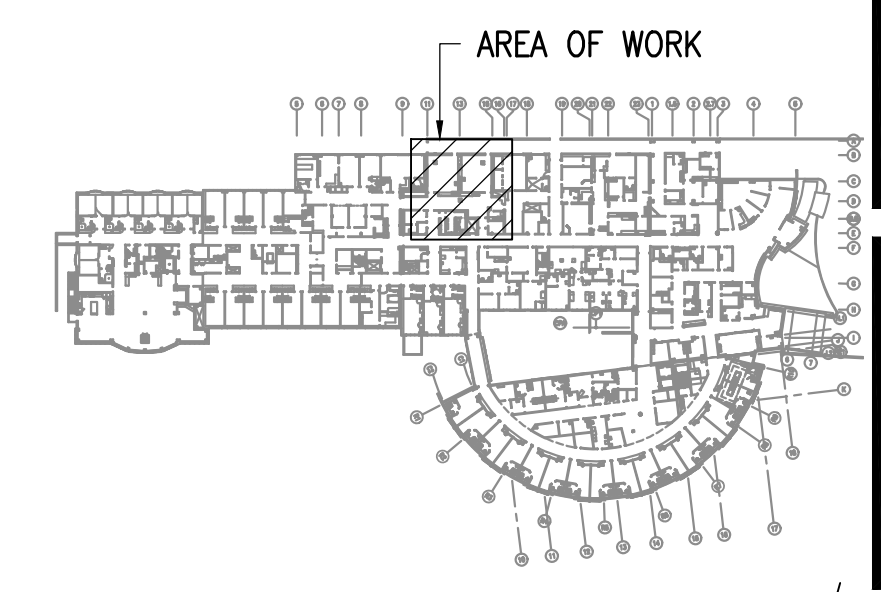
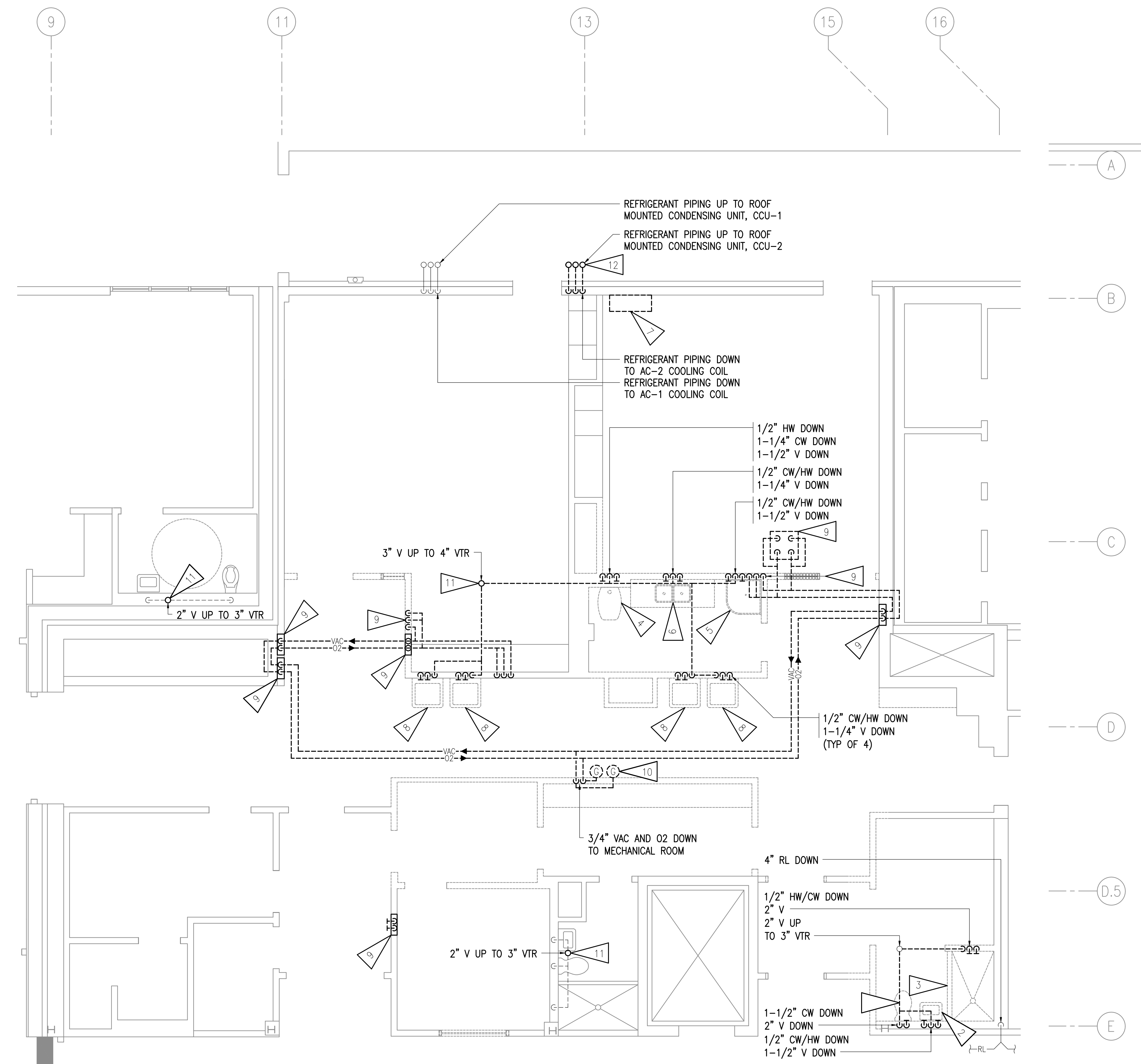
SHEET:
M104

GENERAL NOTES:

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
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SHEET NOTES:

- 1 DEMOLISH WATER CLOSET AND ALL ASSOCIATED APPURTENANCES.
- 2 DEMOLISH LAVATORY AND ALL ASSOCIATED APPURTENANCES.
- 3 DEMOLISH SHOWER AND ALL ASSOCIATED APPURTENANCES.
- 4 REMOVE HOPPER SINK, FAUCET, FLUSH VALVE AND HOSE. SALVAGE FOR RE-INSTALLATION.
- 5 REMOVE SERVICE SINK AND FAUCET. SALVAGE FOR RE-INSTALLATION.
- 6 DEMOLISH SINK AND ALL ASSOCIATED APPURTENANCES.
- 7 DEMOLISH WALL MOUNTED AC UNIT AND ALL ASSOCIATED PIPING AND OTHER APPURTENANCES. PATCH ROOF PIPING PENETRATION.
- 8 DEMOLISH SCRUB SINK, FAUCET, FOOT CONTROLS AND ALL ASSOCIATED APPURTENANCES.
- 9 DEMOLISH OXYGEN AND VACUUM PIPING ISOLATION BOXES, OUTLETS, ASSOCIATED PIPING AND VALVES TO EXTENT SHOWN. FOR MEDICAL GAS PIPING DEMOLITION SCHEMATIC, SEE - 1/M603.
- 10 DEMOLISH MEDICAL GAS ALARM AND MONITORING PANEL.
- 11 DEMOLISH VTR.
- 12 DEMOLISH REFRIGERANT PIPING FROM AC-2 UP TO CONDENSING UNIT.



1 ENLARGED SECOND FLOOR PLUMBING PIPING DEMOLITION PLAN
 1/4" = 1'-0"

KEYPLAN
 NO SCALE



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REVISIONS:

DRAWN BY: MRB
 CHECKED BY: RDD
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191_MSERIES

DRAWING TITLE:
ENLARGED MECHANICAL ROOM VENTILATION DEMOLITION PLAN

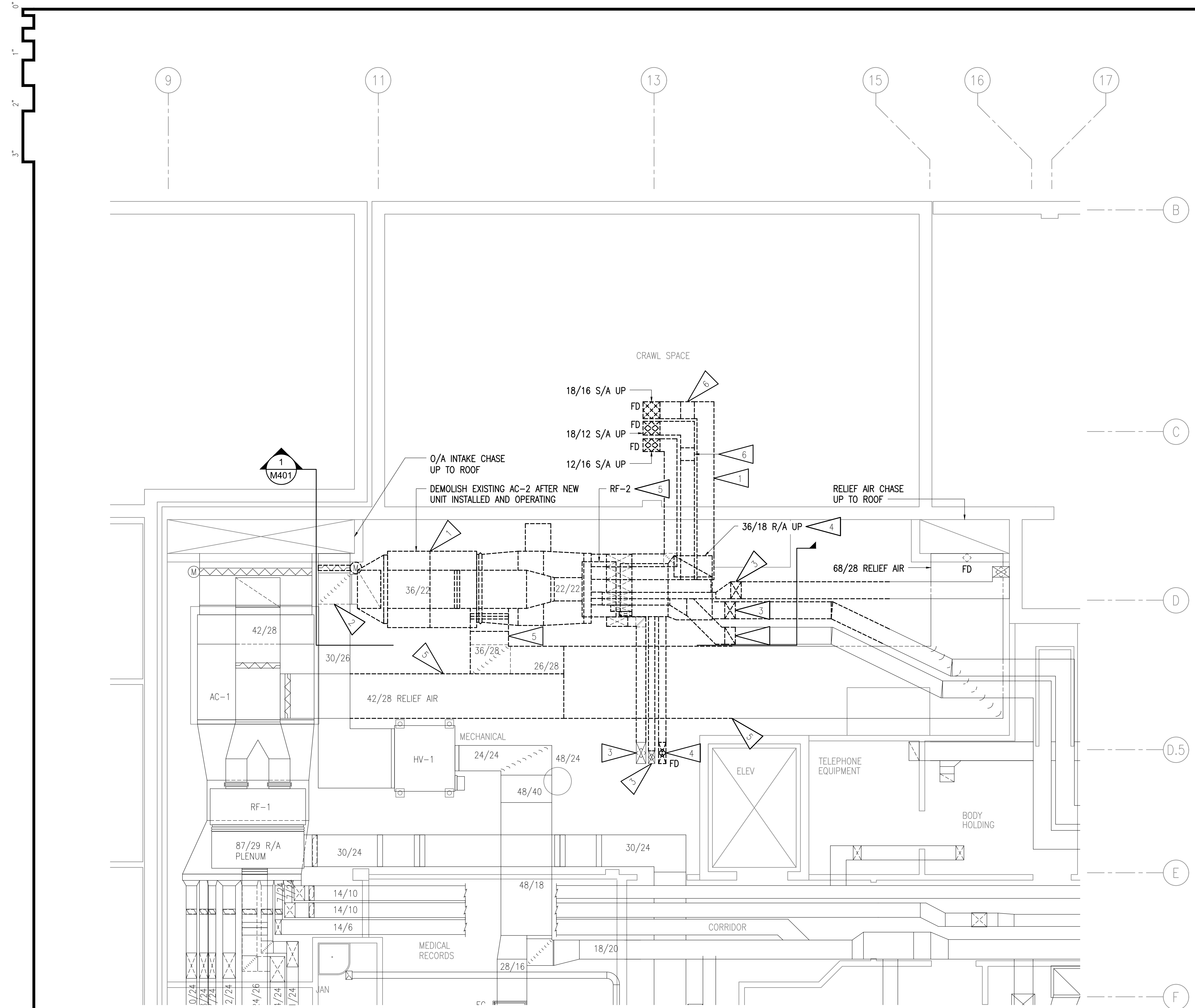
SHEET:
M105

GENERAL NOTES:

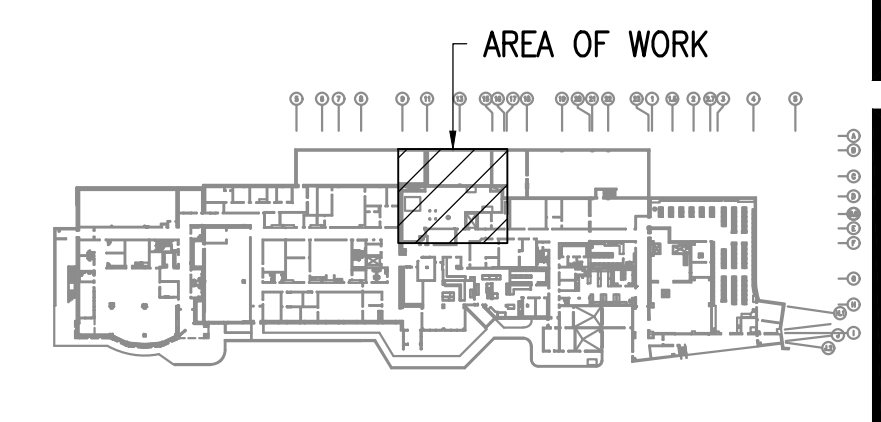
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SHEET NOTES:

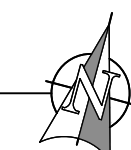
- 1 DEMOLISH AC-2, DEMOLISH ASSOCIATED DUCTWORK TO THE EXTENT INDICATED. DUCTWORK AND AC-2 TO REMAIN IN OPERATION WHILE SECOND FLOOR OPERATING ROOMS ARE STILL IN USE AND BEING SERVED BY EXISTING DUCTWORK.
- 2 DEMOLISH O/A DUCTWORK TO AC-2. O/A INTAKE TO REMAIN WHILE EXISTING AC-2 IS IN OPERATION.
- 3 DEMOLISH DUCTWORK TO EXTENT NECESSARY TO ACCOMMODATE REMODEL WORK.
- 4 DEMOLISH DUCTWORK TO EXTENT INDICATED. PATCH AND SEAL DUCTWORK FLOOR PENETRATION.
- 5 DEMOLISH RELIEF DUCTWORK TO EXTENT INDICATED.
- 6 DEMOLISH DUCT MOUNTED DE-HUMIDIFIER.



1 ENLARGED MECHANICAL ROOM VENTILATION DEMOLITION PLAN
 1/4"=1'-0"



KEYPLAN
 NO SCALE





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HOMER, ALASKA 99603

REVISIONS:

DRAWN BY: MRB
 CHECKED BY: RDD
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191_MSERIES

DRAWING TITLE:
ENLARGED SECOND FLOOR VENTILATION DEMOLITION PLAN

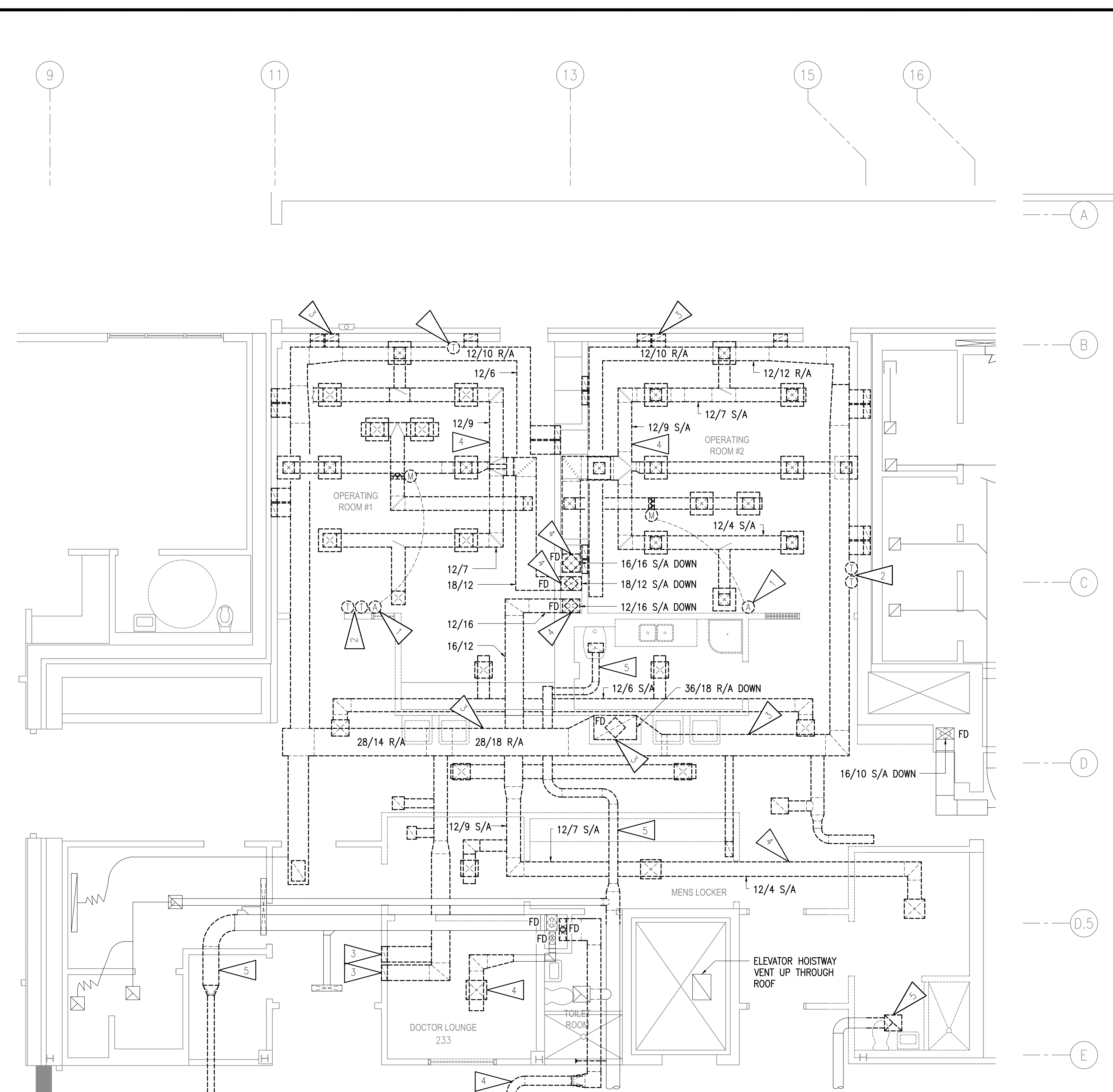
SHEET:
M106

GENERAL NOTES:

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SHEET NOTES:

- 1 DEMOLISH DAMPER ACTUATOR SWITCH AND ALL ASSOCIATED CONTROL LINES.
- 2 DEMOLISH TEMPERATURE SENSORS AND THERMOSTATS.
- 3 DEMOLISH R/A GRILLES AND DUCTWORK TO THE EXTENT INDICATED.
- 4 DEMOLISH S/A DIFFUSERS AND DUCTWORK TO THE EXTENT INDICATED.
- 5 DEMOLISH E/A GRILLES AND DUCTWORK TO THE EXTENT INDICATED.



1 ENLARGED SECOND FLOOR VENTILATION DEMOLITION PLAN
 1/4" = 1'-0"

KEYPLAN
 NO SCALE



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REVISIONS:
 1 ADDENDUM #1
 2/21/2017

DRAWN BY: MRB
 CHECKED BY: RDD
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191_MSERIES

DRAWING TITLE:
 ENLARGED MECHANICAL
 ROOM PIPING REMODEL
 PLAN

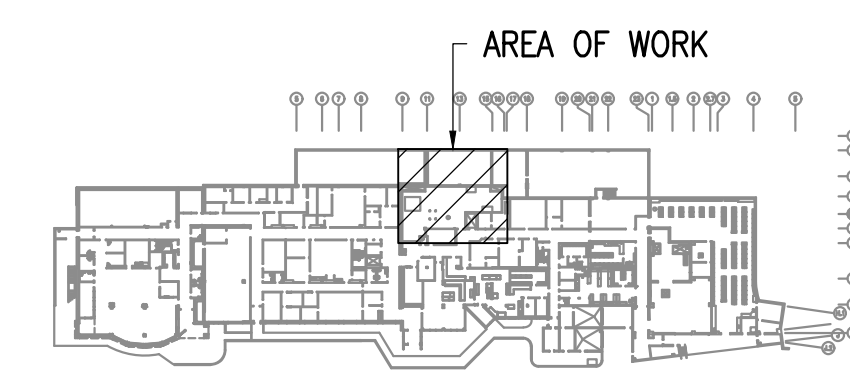
SHEET:
M201

GENERAL NOTES:

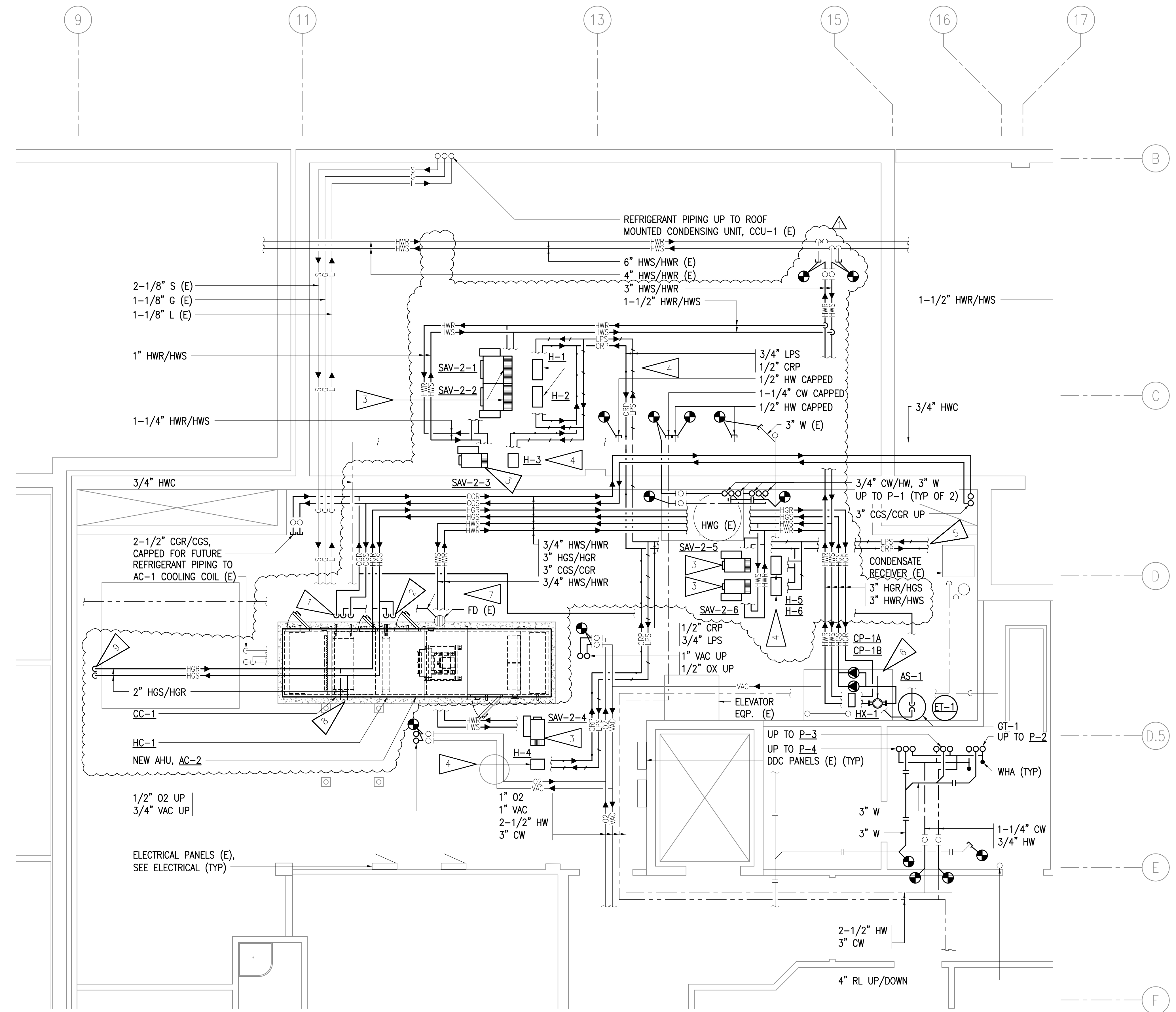
- A. ALL BRANCH PIPING TO BE 3/4" UNLESS NOTED OTHERWISE.
- B. SLOPE STEAM PIPING 1 INCH PER 40 FEET IN DIRECTION OF FLOW.
- C. SLOPE STEAM CONDENSATE PIPING 1 INCH PER 40 FEET IN DIRECTION OF FLOW.
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SHEET NOTES:

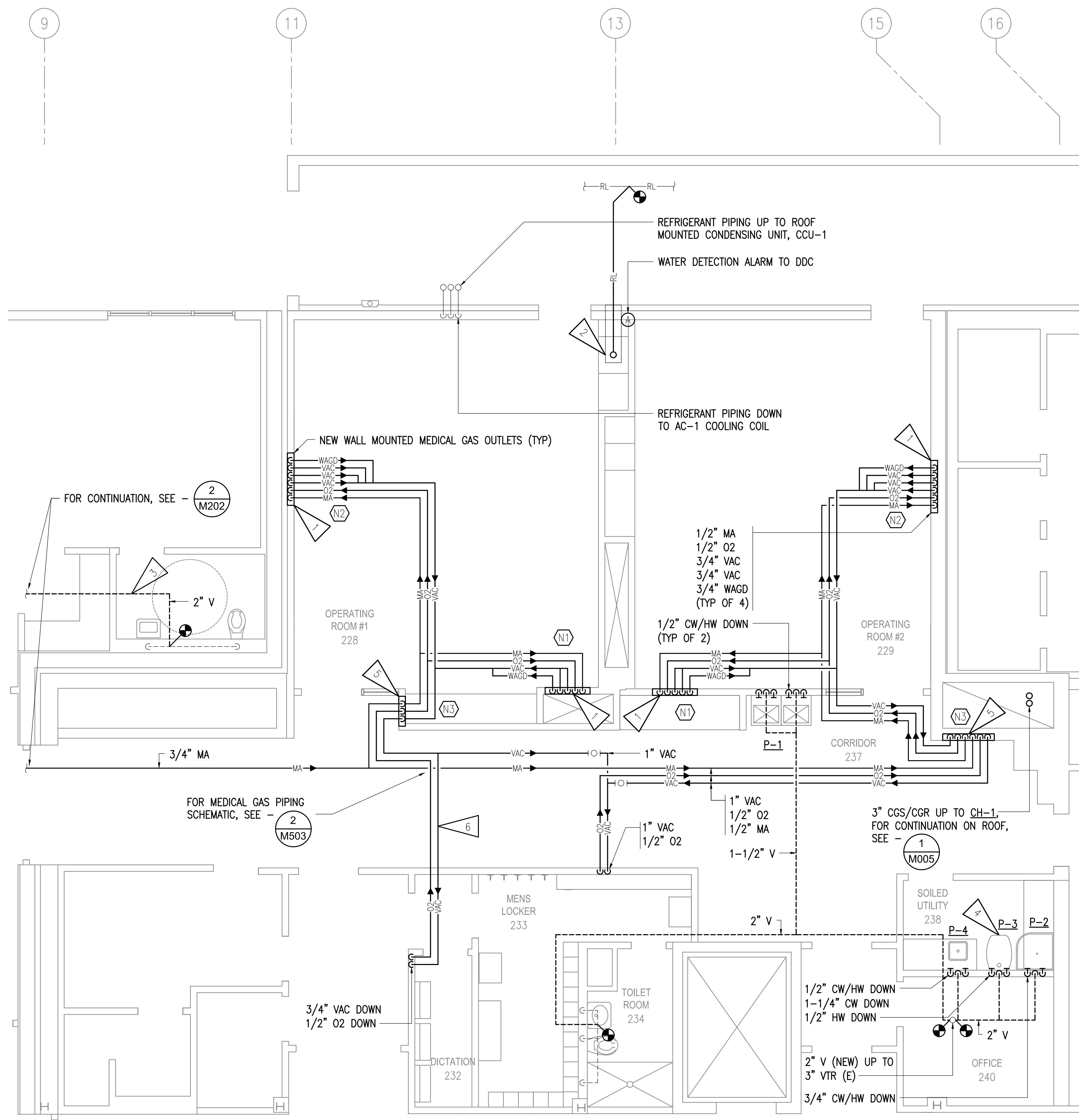
- 1 3" CGR/CGS TO COOLING COIL, CC-1. FOR AIR HANDLER COOLING COIL PIPING DETAIL, SEE - 2/M502.
- 2 1-1/2" HGR/HGS TO HEATING COIL, HC-1. FOR PIPING SCHEMATIC, SEE - 1/M502.
- 3 VAV COIL TO BE INSTALLED WITH A 3-WAY CONTROL VALVE. FOR 3-WAY HEATING COIL PIPING DETAIL, SEE - 5/M601.
- 4 1/2" STEAM AND 1/2" STEAM CONDENSATE PIPING TO STEAM HUMIDIFIER. FOR STEAM HUMIDIFIER MANIFOLD PIPING DETAIL, SEE - 1/M601.
- 5 NEW 1" LOW PRESSURE STEAM LINE TO STEAM HUMIDIFIERS TO TIE INTO EXISTING 6" LOW PRESSURE STEAM LINE. NEW 1/2" STEAM CONDENSATE RETURN LINE TO TIE INTO EXISTING STEAM CONDENSATE RECEIVER. CONTRACTOR TO COORDINATE STEAM SYSTEM SHUT DOWN FOR NEW LOW PRESSURE STEAM AND STEAM CONDENSATE LINE TIE IN'S WITH OWNER PRIOR TO PERFORMING REMODEL WORK.
- 6 FOR HEAT EXCHANGER PIPING SCHEMATIC, SEE - 1/M502.
- 7 1-1/2" CONDENSATE LINE FROM COOLING COIL. ROUTE TO NEAREST EXISTING FLOOR DRAIN. FOR CONDENSATE DRAIN DETAIL, SEE - 6/M601.
- 8 2" HWR/HWS TO HV-1 HEATING COIL. FOR PIPING SCHEMATIC, SEE - 1/M502.
- 9 2" HWR/HWS TO AC-1 HEATING COIL. FOR PIPING SCHEMATIC, SEE - 1/M502.



KEYPLAN
 NO SCALE



1 ENLARGED MECHANICAL ROOM PIPING REMODEL PLAN
 1/4"=1'-0"



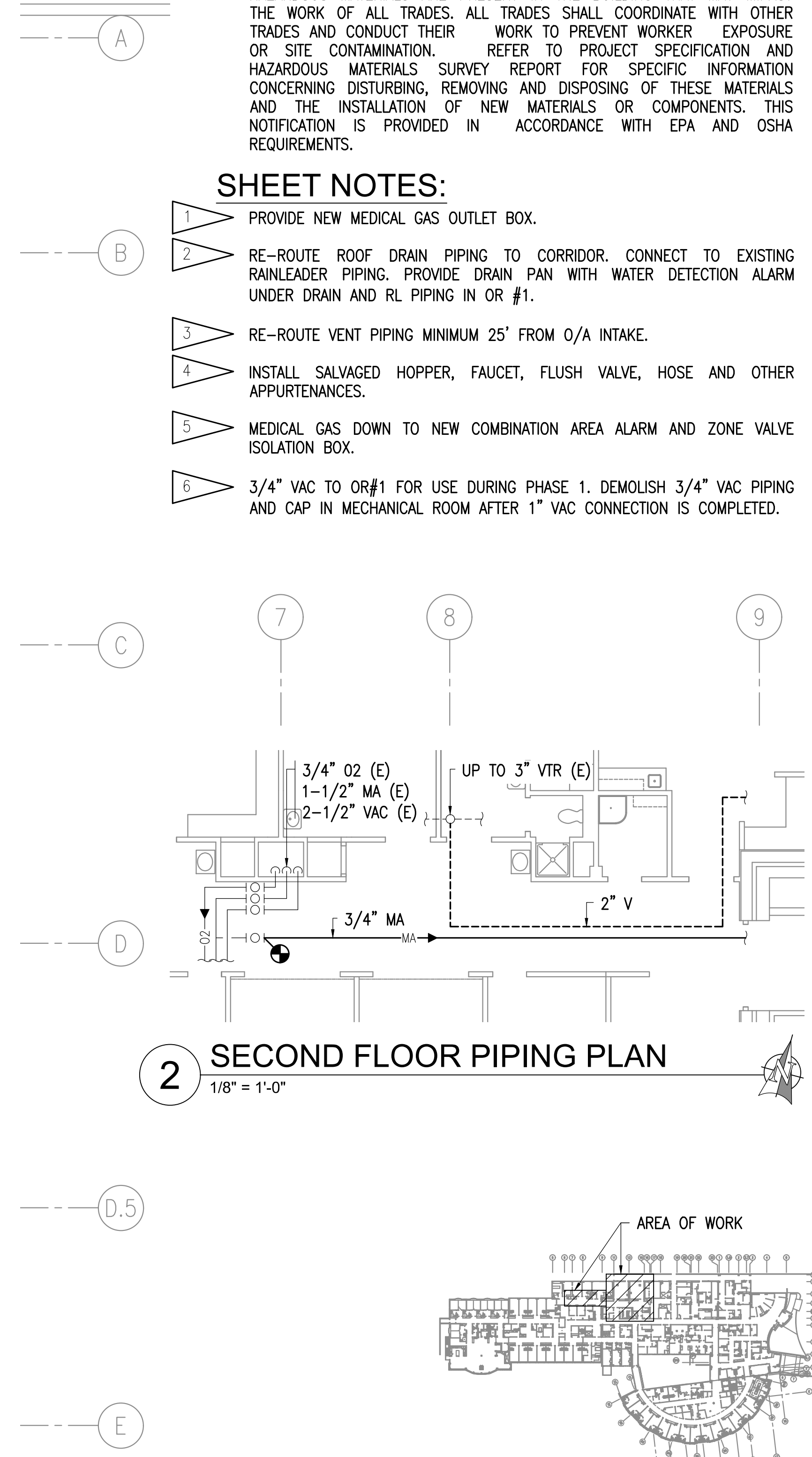
1 ENLARGED SECOND FLOOR PIPING REMODEL PLAN
1/4" = 1'-0"

GENERAL NOTES:

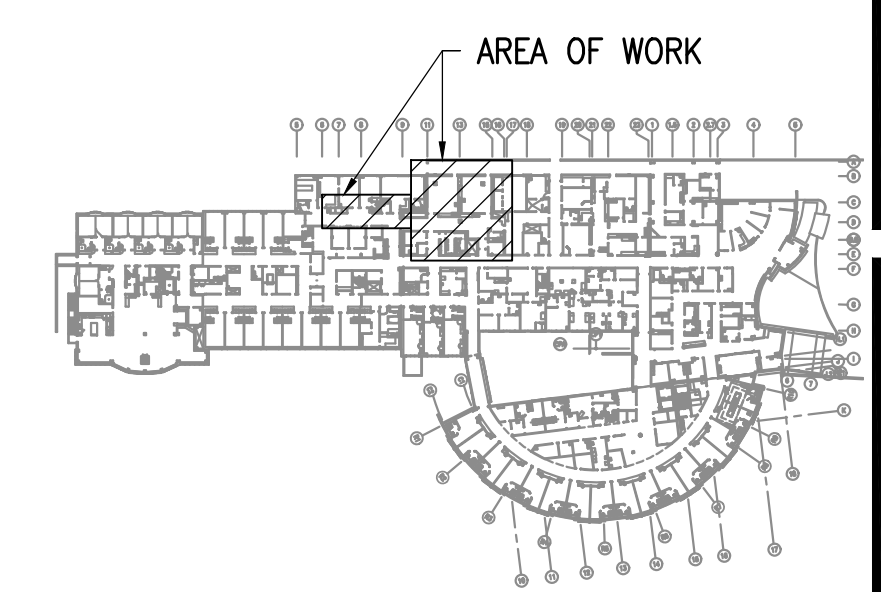
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SHEET NOTES:

- 1 PROVIDE NEW MEDICAL GAS OUTLET BOX.
- 2 RE-ROUTE ROOF DRAIN PIPING TO CORRIDOR. CONNECT TO EXISTING RAINLEADER PIPING. PROVIDE DRAIN PAN WITH WATER DETECTION ALARM UNDER DRAIN AND RL PIPING IN OR #1.
- 3 RE-ROUTE VENT PIPING MINIMUM 25' FROM O/A INTAKE.
- 4 INSTALL SALVAGED HOPPER, FAUCET, FLUSH VALVE, HOSE AND OTHER APPURTENANCES.
- 5 MEDICAL GAS DOWN TO NEW COMBINATION AREA ALARM AND ZONE VALVE ISOLATION BOX.
- 6 3/4" VAC TO OR#1 FOR USE DURING PHASE 1. DEMOLISH 3/4" VAC PIPING AND CAP IN MECHANICAL ROOM AFTER 1" VAC CONNECTION IS COMPLETED.



2 SECOND FLOOR PIPING PLAN
1/8" = 1'-0"



KEYPLAN
NO SCALE



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REVISIONS:

DRAWN BY: MRB
CHECKED BY: RDD
DATE: 02/03/17
JOB NUMBER: L6191.00
DWG FILE: L6191_MSERIES

DRAWING TITLE:
ENLARGED SECOND FLOOR PIPING REMODEL PLAN

SHEET:
M202



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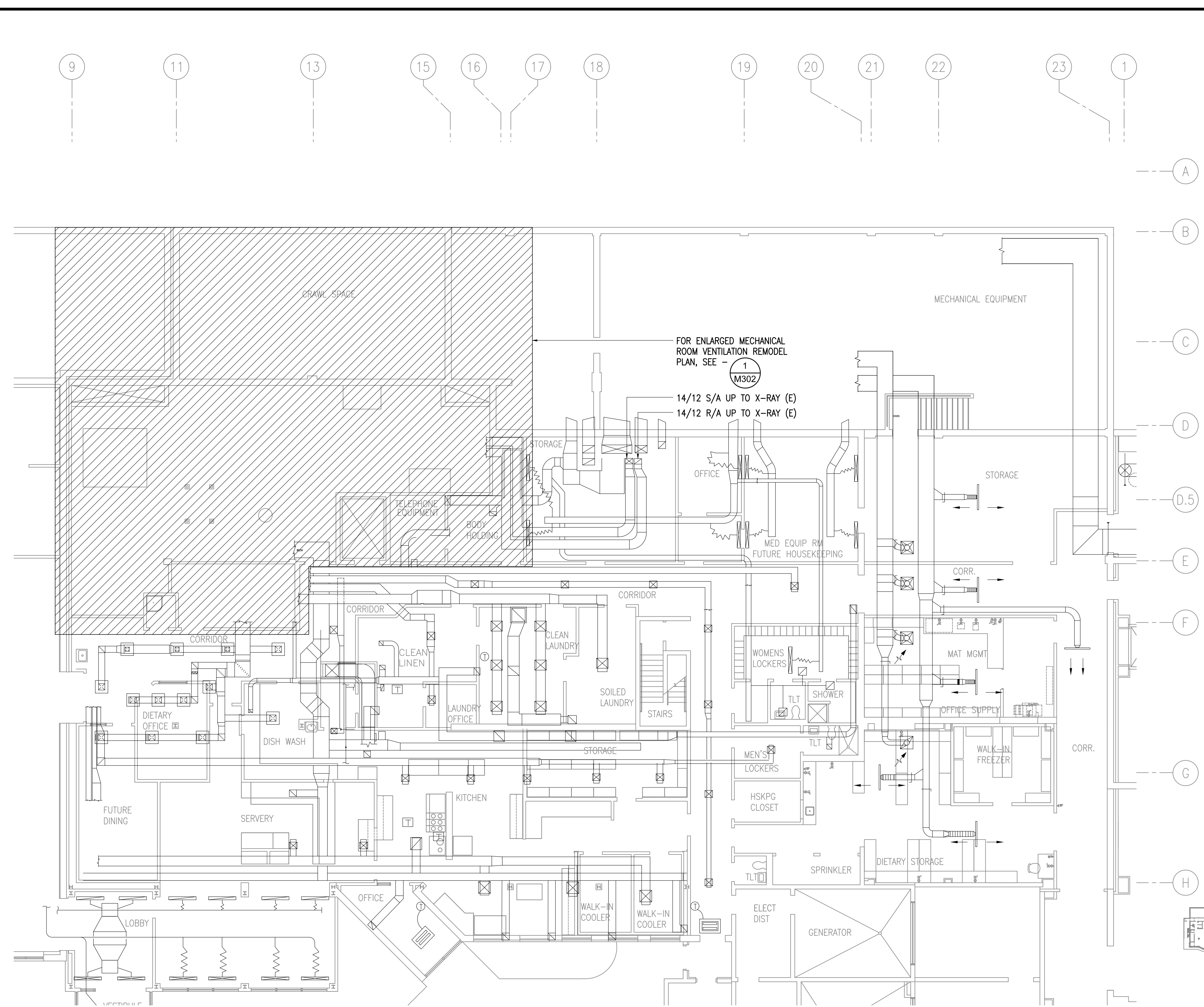
DRAWN BY: MRB
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DRAWING TITLE:
**LEVEL 1 VENTILATION
 REMODEL PLAN**

SHEET:
M301

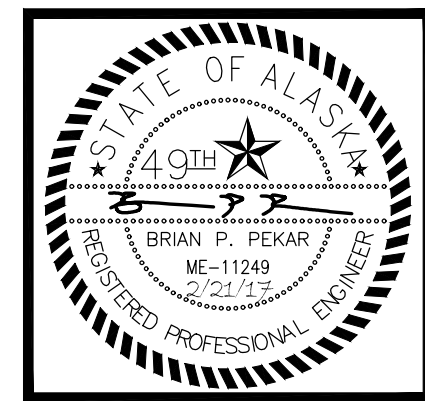
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1 LEVEL 1 VENTILATION REMODEL PLAN
 1/8"=1'-0"

KEYPLAN
 NO SCALE



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GENERAL NOTES:

- A. INSTALL ALL NEW DUCTWORK AS HIGH AS POSSIBLE.
- B. INSULATE ALL NEW SUPPLY AIR DUCTWORK PER SPECIFICATIONS.
- C. WORK INCLUDES THE REMODEL OF THE OPERATING ROOM AREA WHILE THE OPERATING ROOM AREA WILL REMAIN IN USE. REFER TO PHASING PLAN G2.01 AND GENERAL CONDITIONS OF THE CONTRACT FOR PROJECT PHASING REQUIREMENTS. ALL SYSTEMS REQUIRED TO MAINTAIN ONE FUNCTIONING OPERATING ROOM SHALL BE FULLY FUNCTIONAL. MAINTAIN OPERATING MECHANICAL SYSTEMS AND PROVIDE TEMPORARY CONNECTIONS TO EXISTING MECHANICAL PIPING, DUCTWORK, CONTROL SYSTEMS, AND EQUIPMENT AS NECESSARY TO ALLOW CONTINUED USE OF ONE OPERATING ROOM AS REQUIRED BY PROJECT PHASING PLAN.
- D. NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

SHEET NOTES:

- 1 16/18 RETURN AIR UP TO SECOND FLOOR. FIRE DAMPER TO BE INSTALLED AT FLOOR PENETRATION.
- 2 70/26 RETURN AIR PLENUM BOX. BELLMOUTH TAPINGS.
- 3 NEW 20" S/A SUPPLY AIR AND 18/16 RETURN AIR DUCTWORK TO BE RUN THROUGH EXISTING 48/18 CRAWLSPACE WALL PENETRATION. COORDINATE INSTALLATION OF DUCTWORK WITH INSTALLATION OF PIPING THROUGH EXISTING PENETRATION. PATCH AND SEAL FREE AREA ONCE ALL PIPING AND DUCTWORK HAS BEEN INSTALLED.
- 4 NEW 4" HIGH HOUSEKEEPING PAD. PAD TO EXTEND 4" BEYOND OUTERMOST DIMENSION OF NEW ACC-2. SEE STRUCTURAL DETAIL, 5/S1.01.
- 5 54/14 RETURN AIR MOD.
- 6 12/14 MINIMUM OUTSIDE AIR MOD.
- 7 PATCH SECOND FLOOR PENETRATION. SEE ARCHITECTURAL.
- 8 PROVIDE 20" S/A BELLMOUTH TAPPING, CAPPED AND SEALED, FOR FUTURE USE.
- 9 42/14 ECONOMIZER OUTSIDE AIR MOD

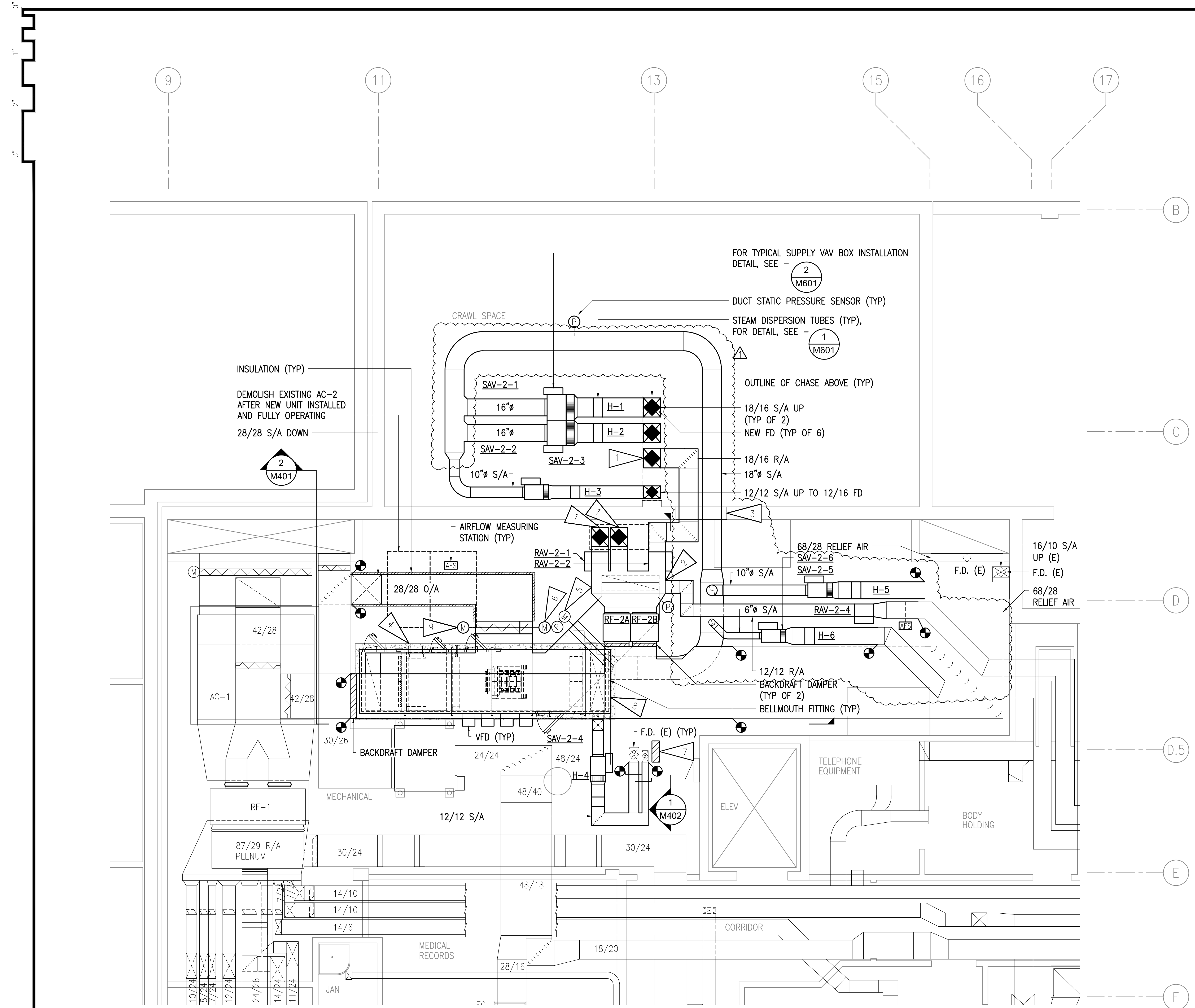
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4300 BARTLETT ST.
HOMER, ALASKA 99603

REVISIONS:
 ADDENDUM #1
 2/21/2017

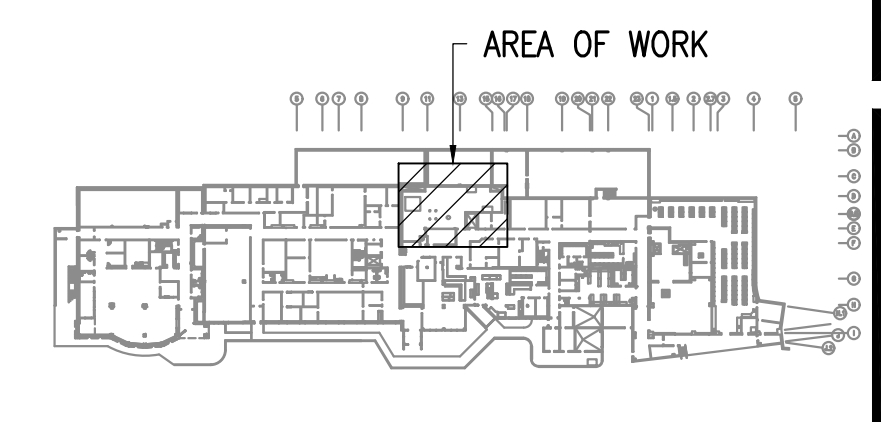
DRAWN BY: BPP
 CHECKED BY: RDD
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191_MSERIES

DRAWING TITLE:
 ENLARGED MECHANICAL ROOM REMODEL PLAN

SHEET:
M302



1 ENLARGED MECHANICAL ROOM REMODEL PLAN
 1/4"=1'-0"



KEYPLAN
 NO SCALE



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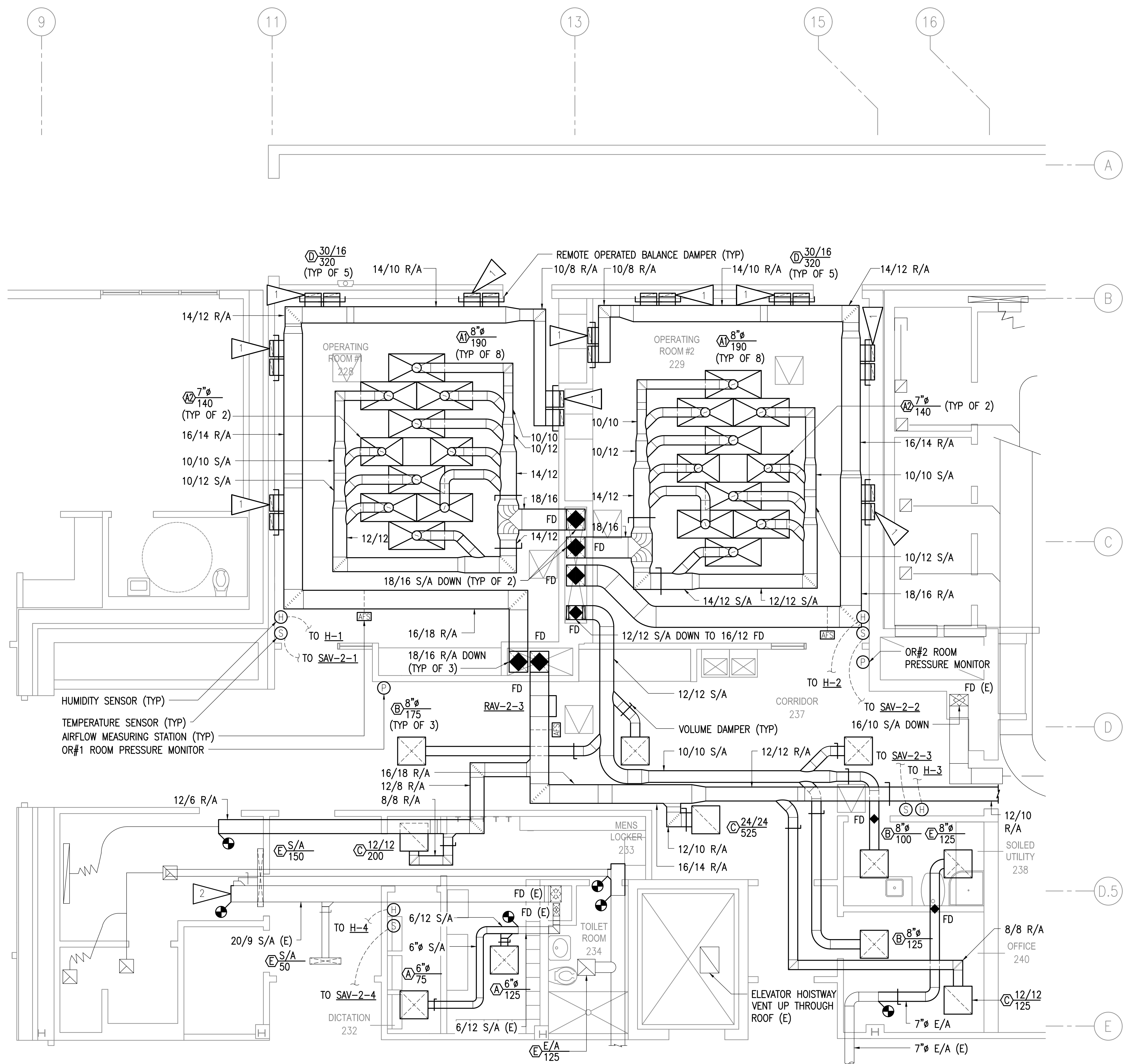
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GENERAL NOTES:

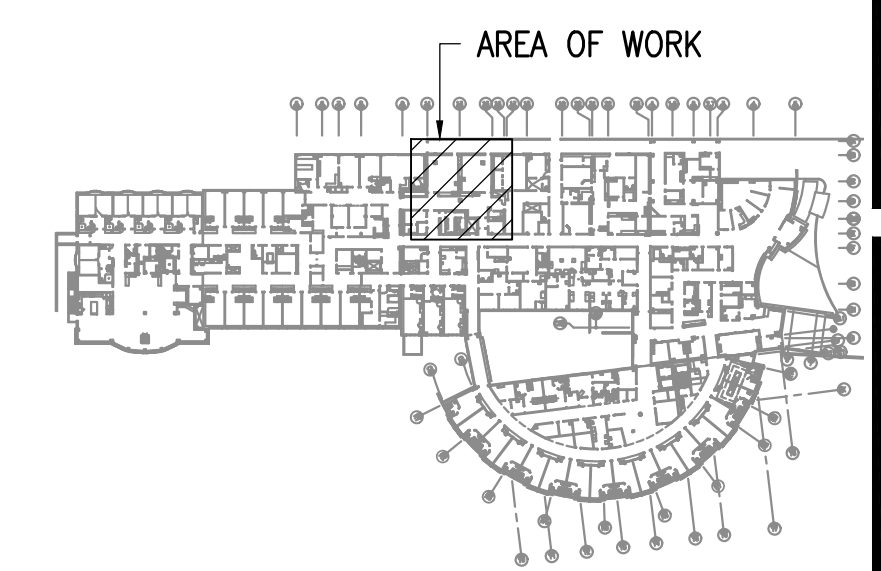
- A. INSTALL ALL NEW DUCTWORK AS HIGH AS POSSIBLE.
- B. INSULATE ALL NEW SUPPLY AIR DUCTWORK PER SPECIFICATIONS.
- C. WORK INCLUDES THE REMODEL OF THE OPERATING ROOM AREA WHILE THE OPERATING ROOM AREA WILL REMAIN IN USE. REFER TO PHASING PLAN G2.01 AND GENERAL CONDITIONS OF THE CONTRACT FOR PROJECT PHASING REQUIREMENTS. ALL SYSTEMS REQUIRED TO MAINTAIN ONE FUNCTIONING OPERATING ROOM SHALL BE FULLY FUNCTIONAL. MAINTAIN OPERATING MECHANICAL SYSTEMS AND PROVIDE TEMPORARY CONNECTIONS TO EXISTING MECHANICAL PIPING, DUCTWORK, CONTROL SYSTEMS, AND EQUIPMENT AS NECESSARY TO ALLOW CONTINUED USE OF ONE OPERATING ROOM AS REQUIRED BY PROJECT PHASING PLAN.
- D. NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.
- E. PROVIDE REMOTE OPERATED BALANCE DAMPERS IN GYPSUM WALLBOARD CEILING.

SHEET NOTES:

- 1 QTY 2, 14/3-1/4 R/A DUCTS DOWN IN STUD SPACE. NEW 30/6 R/A MOUNTED AT 8" AFF TO BOTTOM OF GRILLE.
- 2 CAP AND SEAL DUCTWORK.



1 ENLARGED SECOND FLOOR REMODEL PLAN
 1/4" = 1'-0"



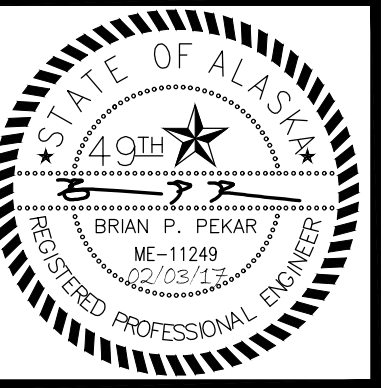
KEYPLAN
 NO SCALE

REVISIONS:

DRAWN BY: MRB
 CHECKED BY: RDD
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191_MSERIES

DRAWING TITLE:
 ENLARGED SECOND FLOOR REMODEL PLAN

SHEET:
M304



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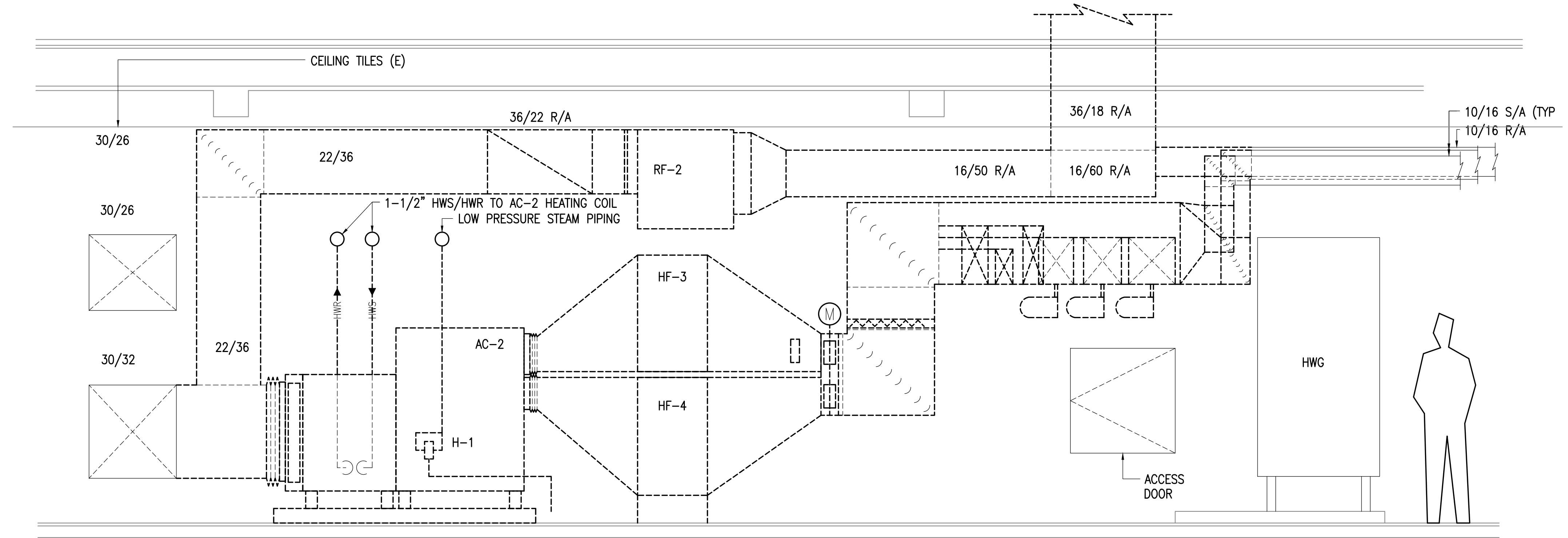
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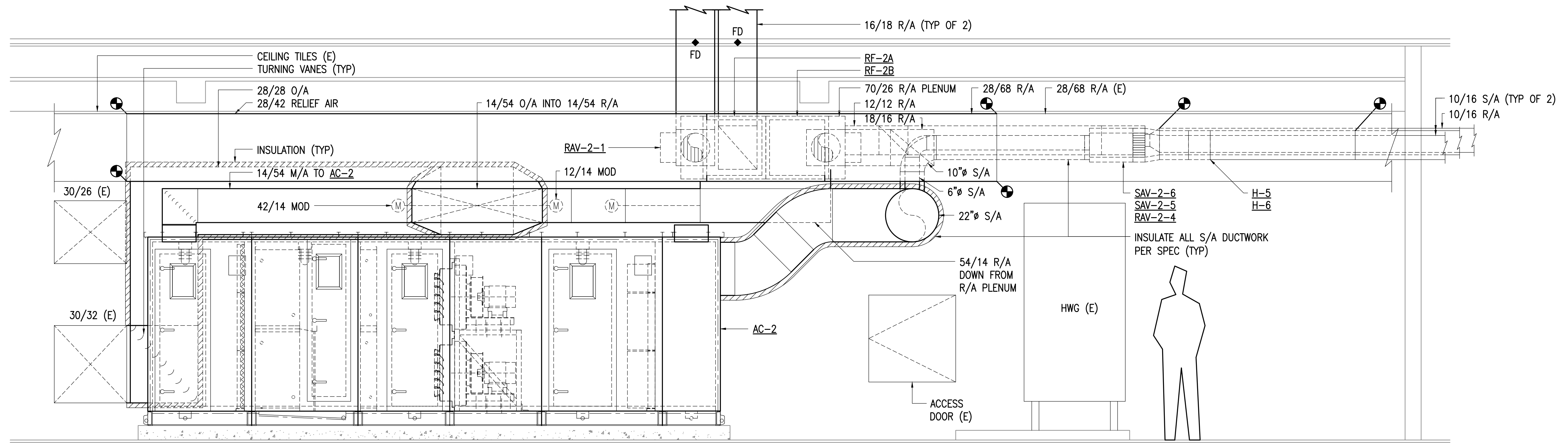
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 JOB NUMBER: L6191.00
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DRAWING TITLE:
 MECHANICAL SECTIONS

SHEET:
M401

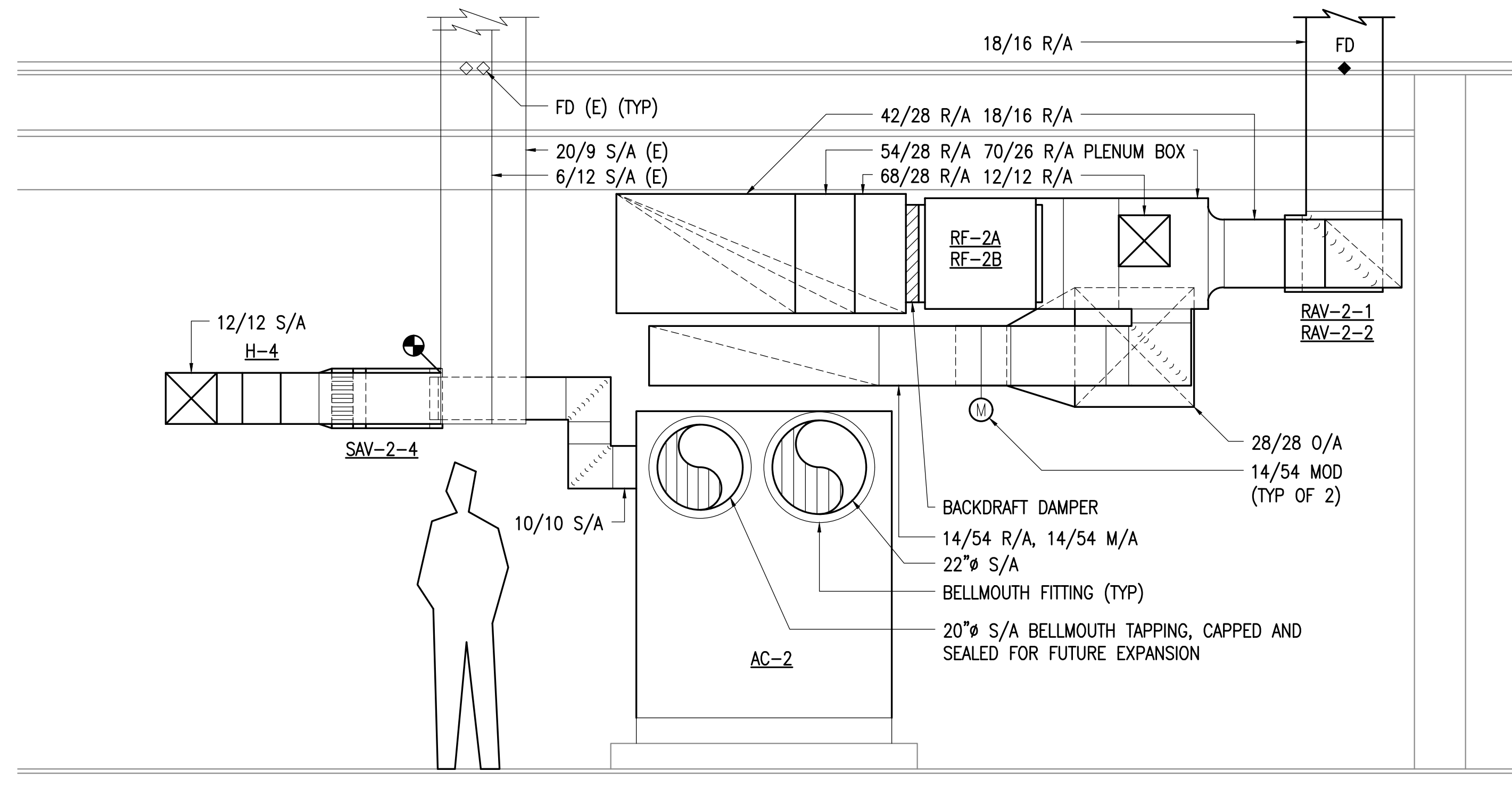


1 HVAC DEMOLITION SECTION
 1/2"=1'-0"



2 HVAC REMODEL SECTION
 1/2"=1'-0"

0"
1"
2"
3"



1 HVAC REMODEL SECTION
1/2"=1'-0"



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DRAWING TITLE:
 MECHANICAL SECTIONS

SHEET:
M402



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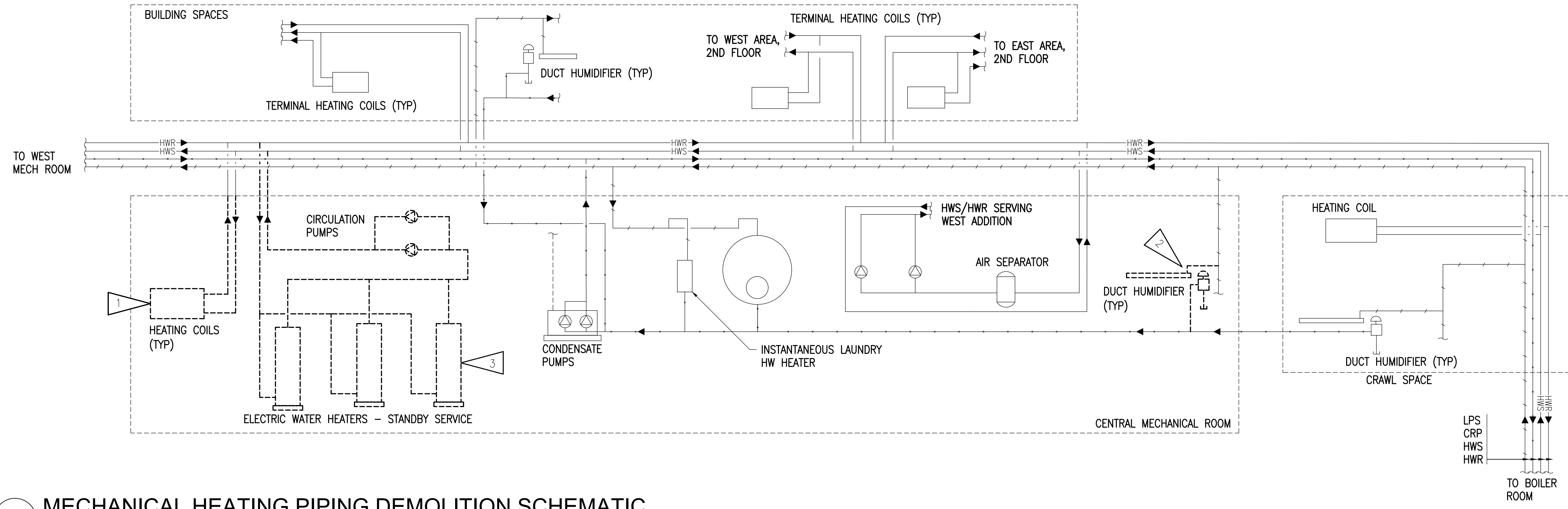
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DRAWING TITLE:
 MECHANICAL
 PIPING SCHEMATICS

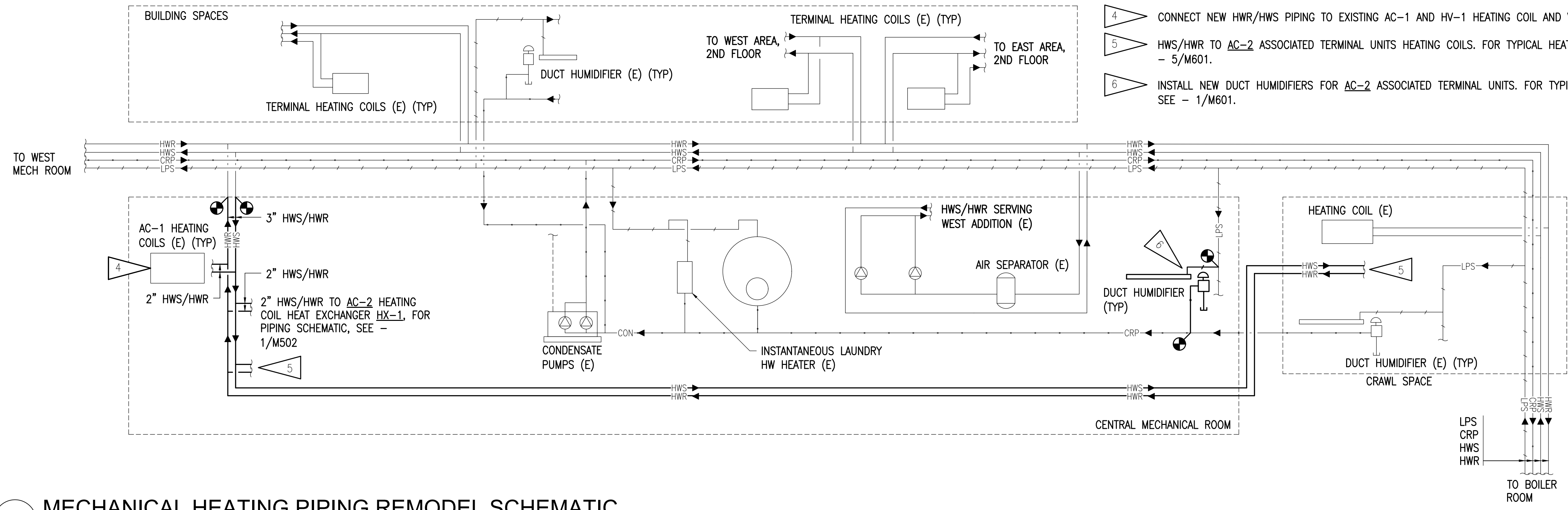
SHEET:
M501



1 MECHANICAL HEATING PIPING DEMOLITION SCHEMATIC
 NO SCALE

SHEET NOTES:

- 1 DEMOLISH ALL HEATING COIL PIPING AND ASSOCIATED APPURTENANCES WITHIN CENTRAL MECHANICAL ROOM. HEATING COILS AND VALVES ASSOCIATED WITH AC-1 AND HV-1 TO REMAIN.
- 2 DEMOLISH ALL DUCT HUMIDIFIERS, PIPING AND ASSOCIATED APPURTENANCES ASSOCIATED WITH AC-2.
- 3 DEMOLISH ELECTRIC BOILERS, HEATING PIPING AND ALL ASSOCIATED APPURTENANCES. DEMOLISH ELECTRIC BOILER HOUSEKEEPING PADS. (TYP OF 3)
- 4 CONNECT NEW HWR/HWS PIPING TO EXISTING AC-1 AND HV-1 HEATING COIL AND VALVES.
- 5 HWS/HWR TO AC-2 ASSOCIATED TERMINAL UNITS HEATING COILS. FOR TYPICAL HEATING COIL PIPING DETAIL, SEE - 5/M601.
- 6 INSTALL NEW DUCT HUMIDIFIERS FOR AC-2 ASSOCIATED TERMINAL UNITS. FOR TYPICAL DUCT HUMIDIFIER DETAIL, SEE - 1/M601.



1 MECHANICAL HEATING PIPING REMODEL SCHEMATIC
 NO SCALE



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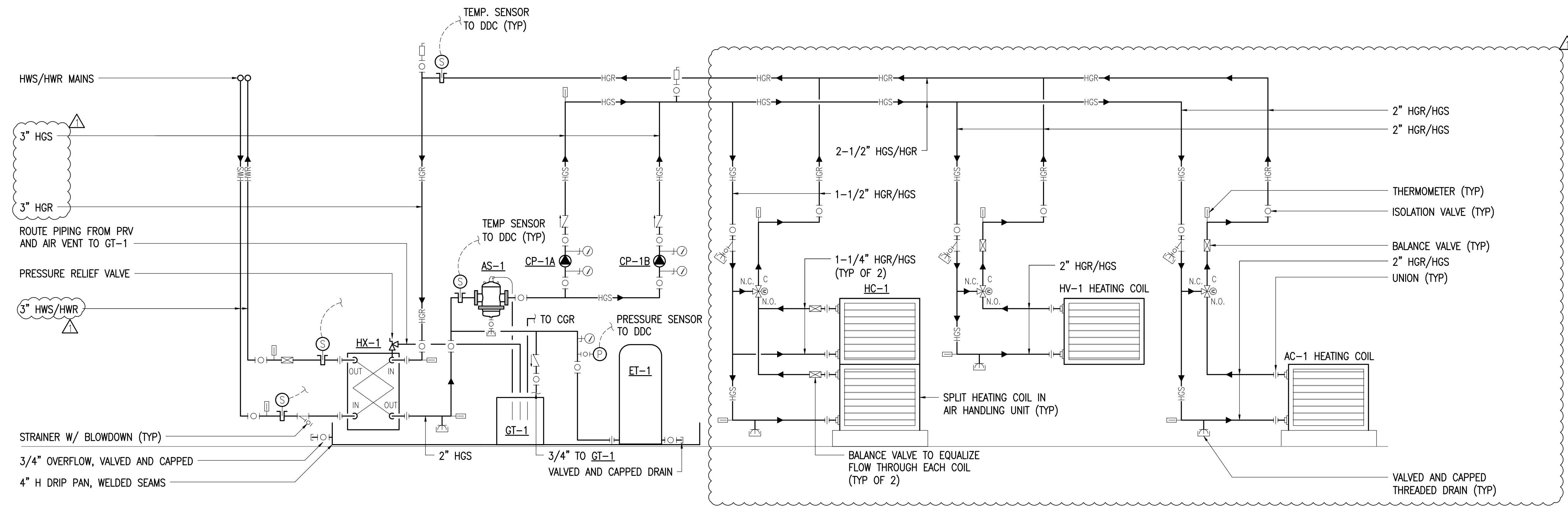
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 2/21/2017

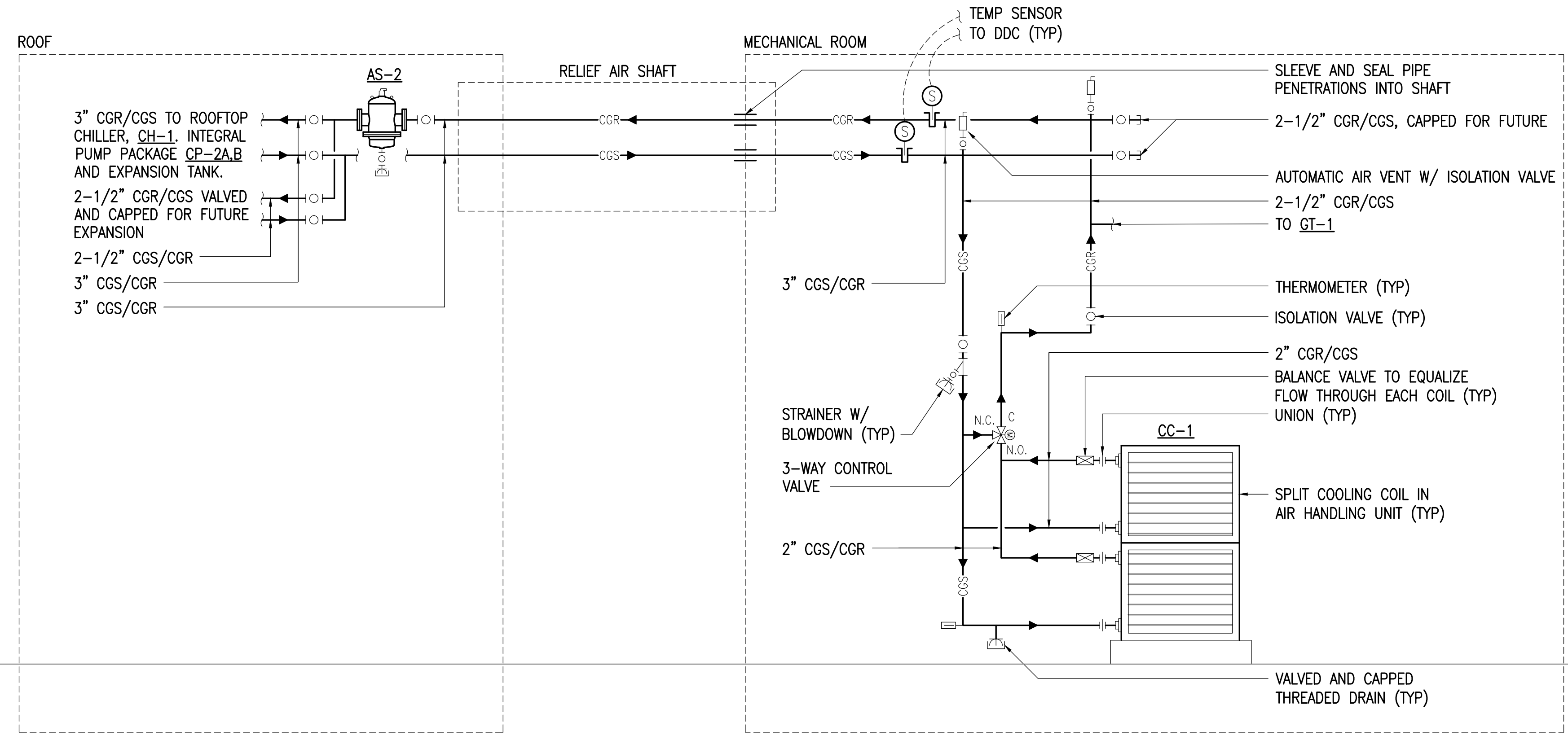
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DRAWING TITLE:
 AC-2 PIPING SCHEMATICS

SHEET:
M502

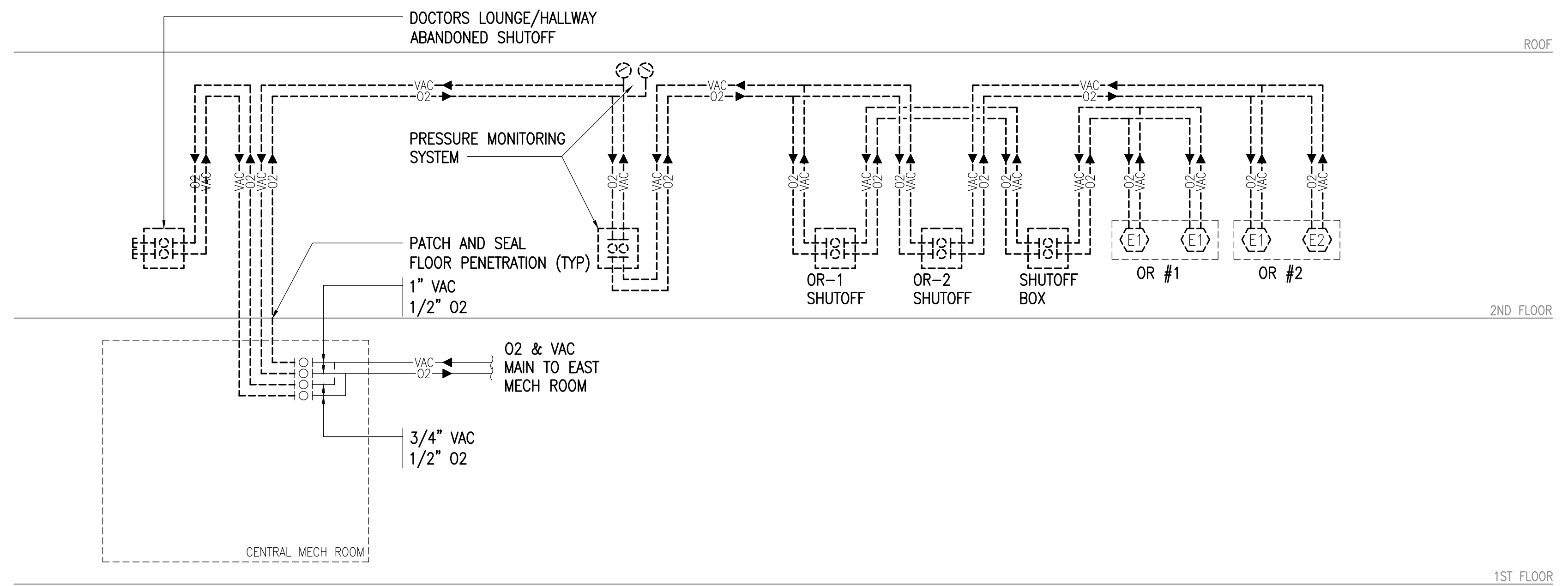


1 AC-2 HEATING COIL HEAT EXCHANGER PIPING SCHEMATIC
 NO SCALE

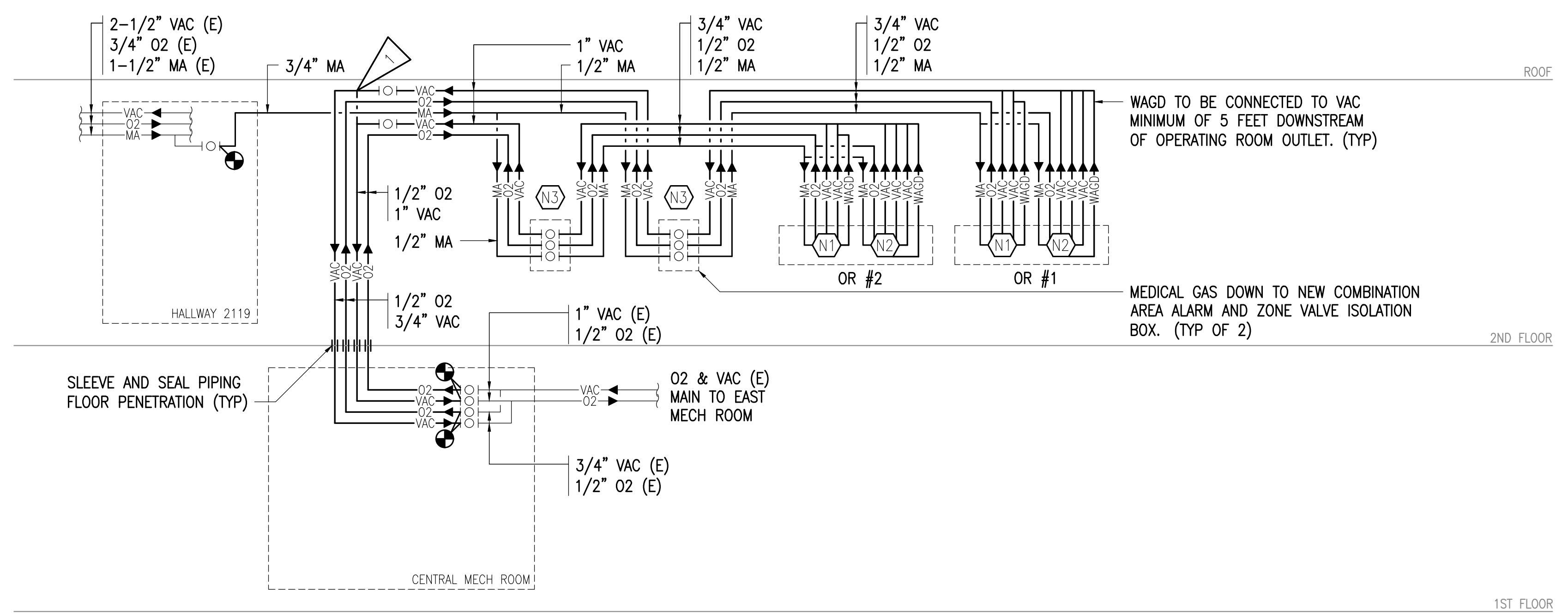


1 AC-2 COOLING COIL SCHEMATIC
 NO SCALE

0"
1"
2"
3"



1 MEDICAL GAS PIPING DEMOLITION SCHEMATIC
NO SCALE



2 MEDICAL GAS PIPING REMODEL SCHEMATIC
NO SCALE

SHEET NOTES:
 1 3/4" VAC TO OR#1 FOR USE DURING PHASE 1. DEMOLISH 3/4" VAC PIPING AND CAP IN MECHANICAL ROOM AFTER 1" VAC CONNECTION IS COMPLETED.



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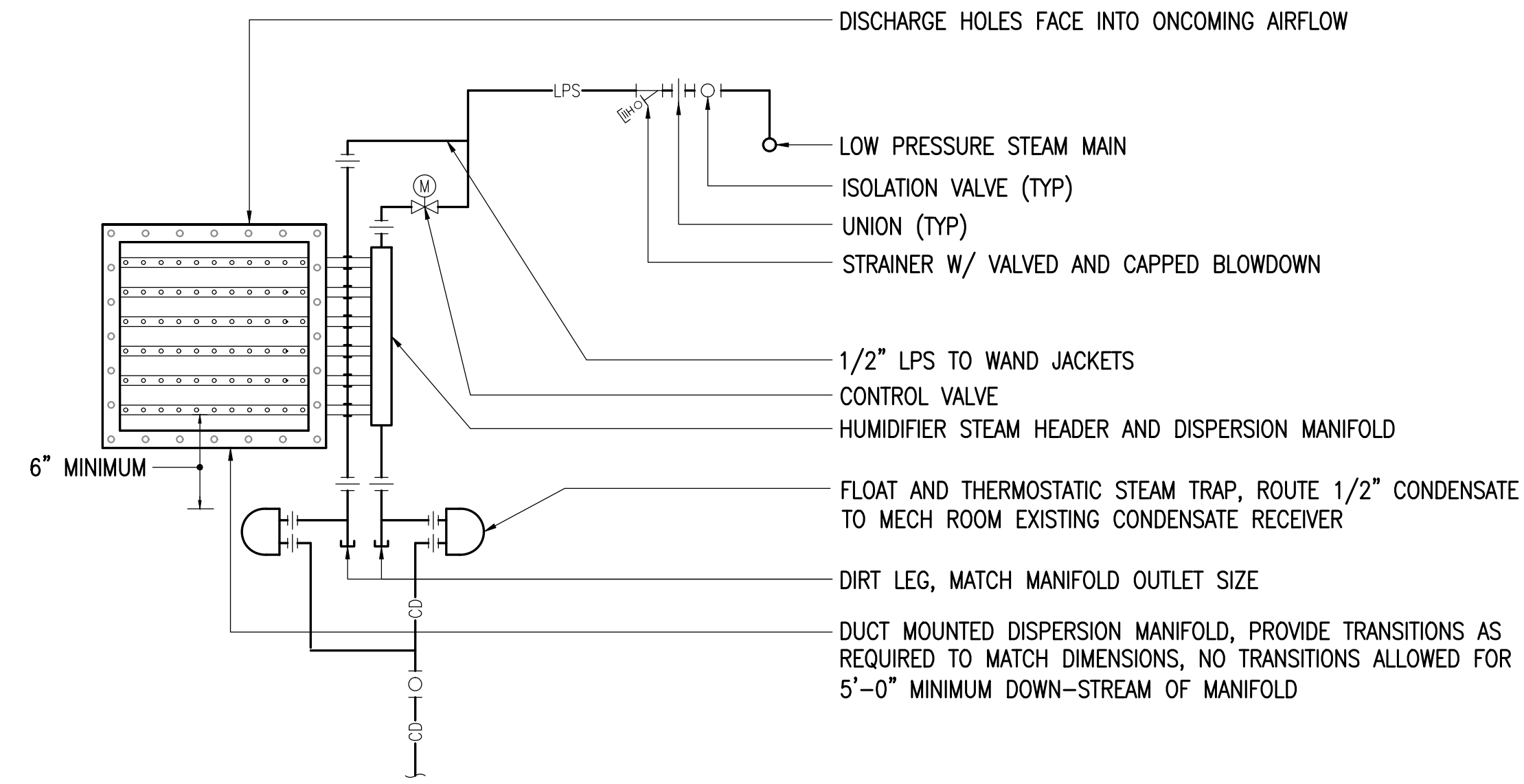
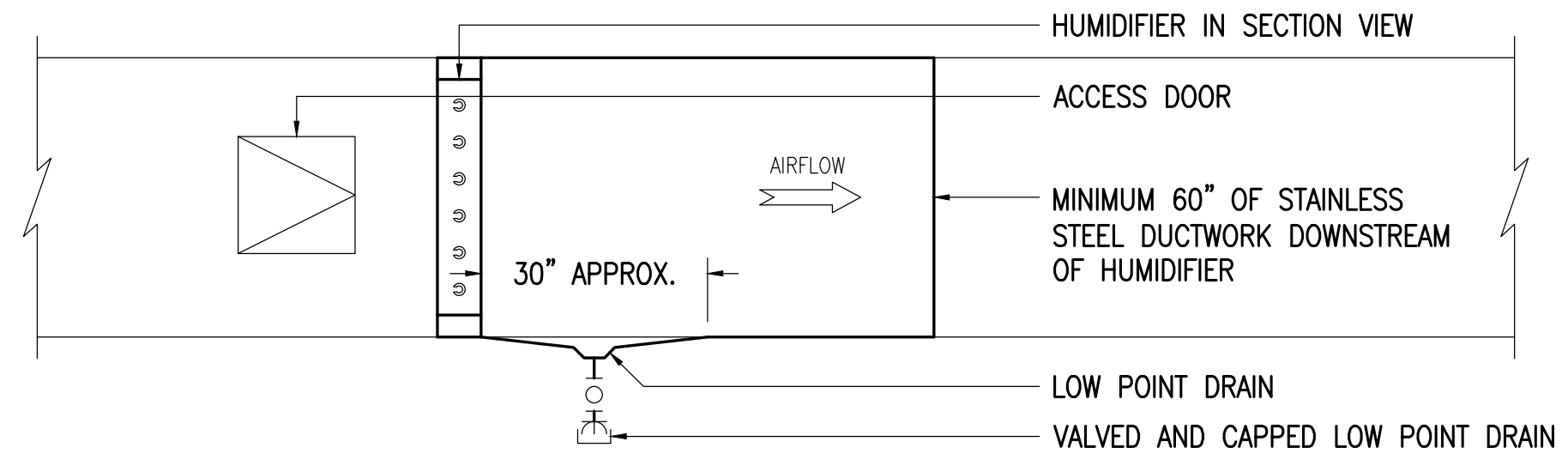
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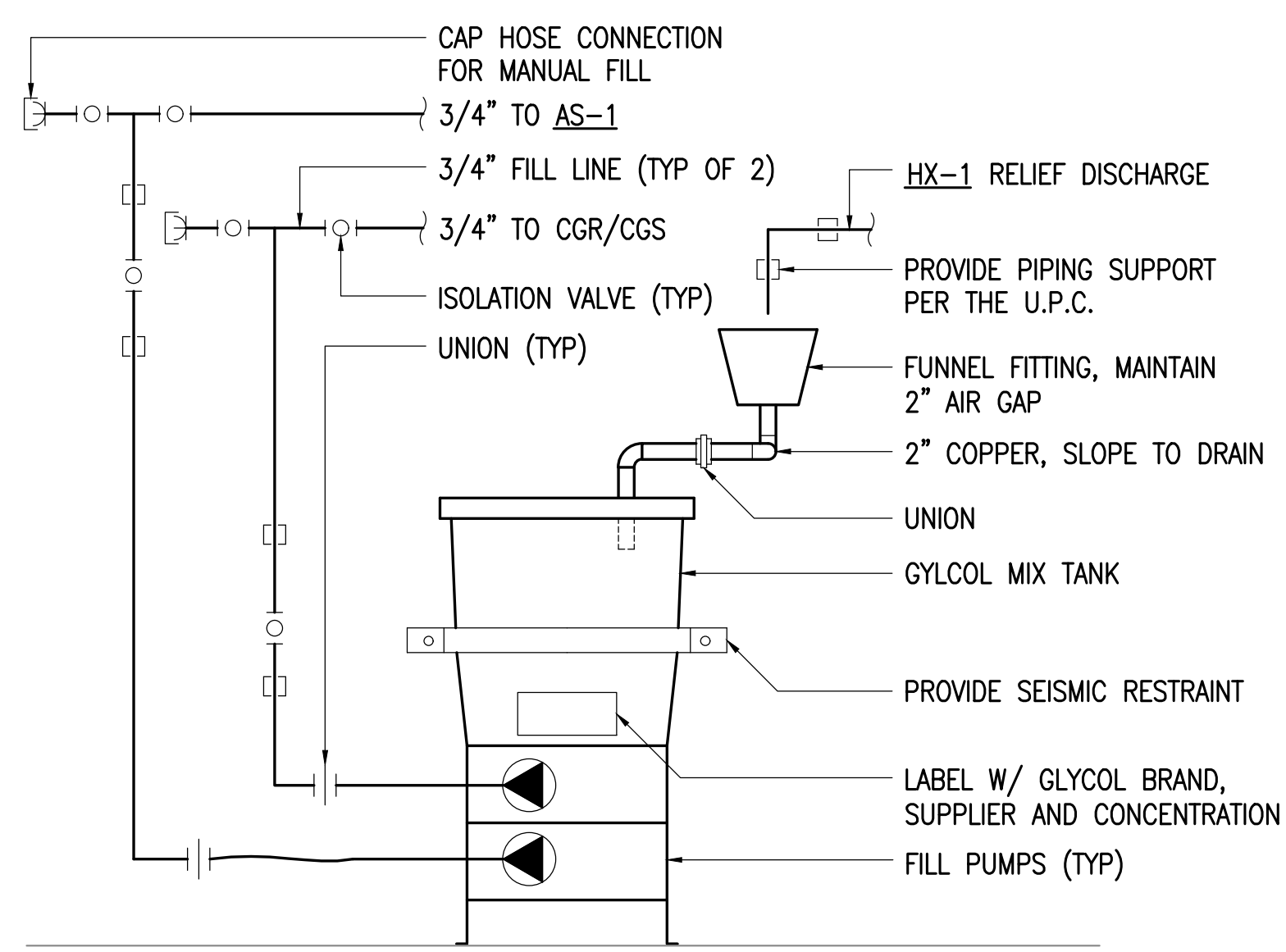
DRAWING TITLE:
 MEDICAL GAS PIPING SCHEMATIC

SHEET:
M503

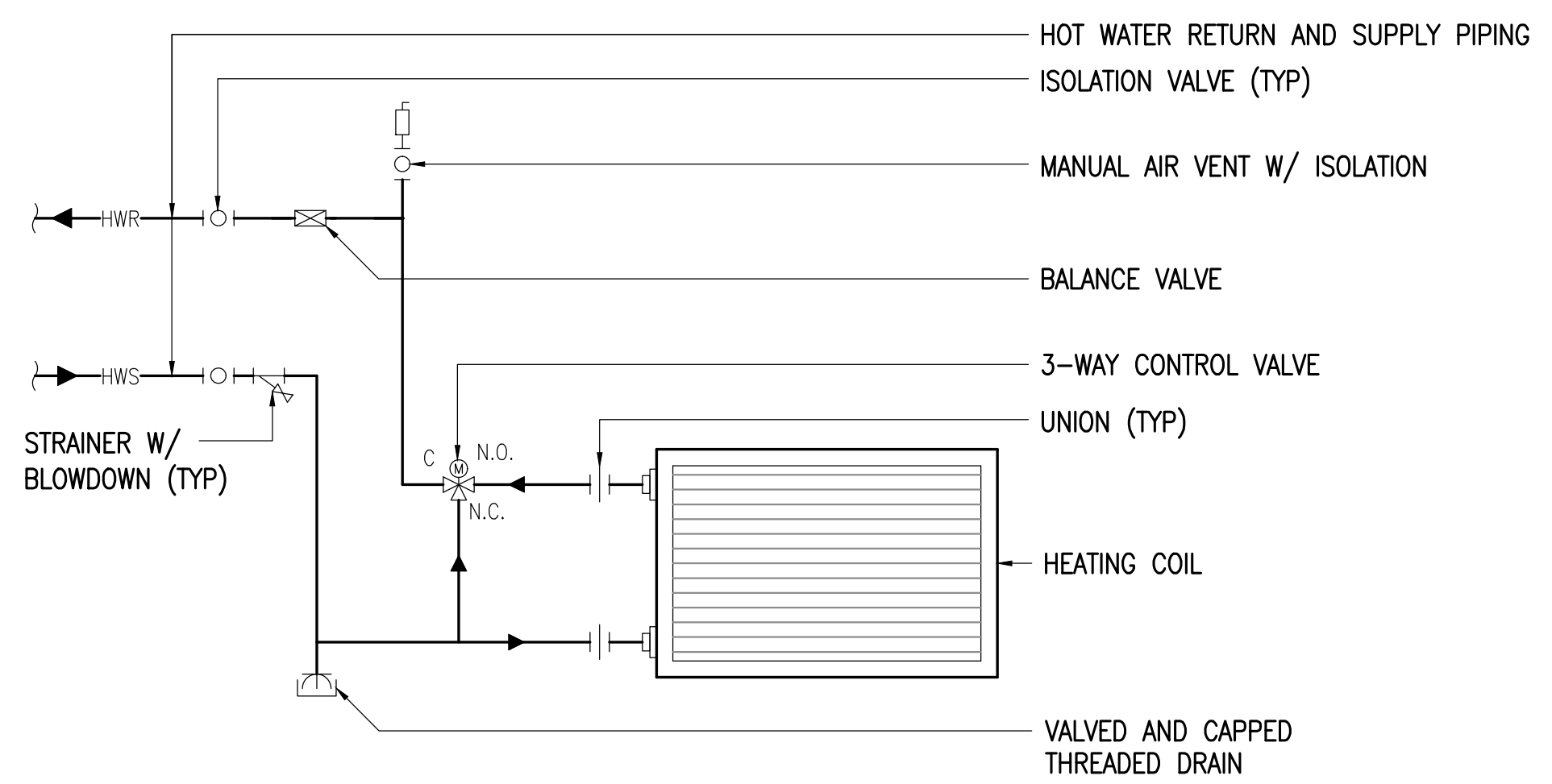
0"
1"
2"
3"



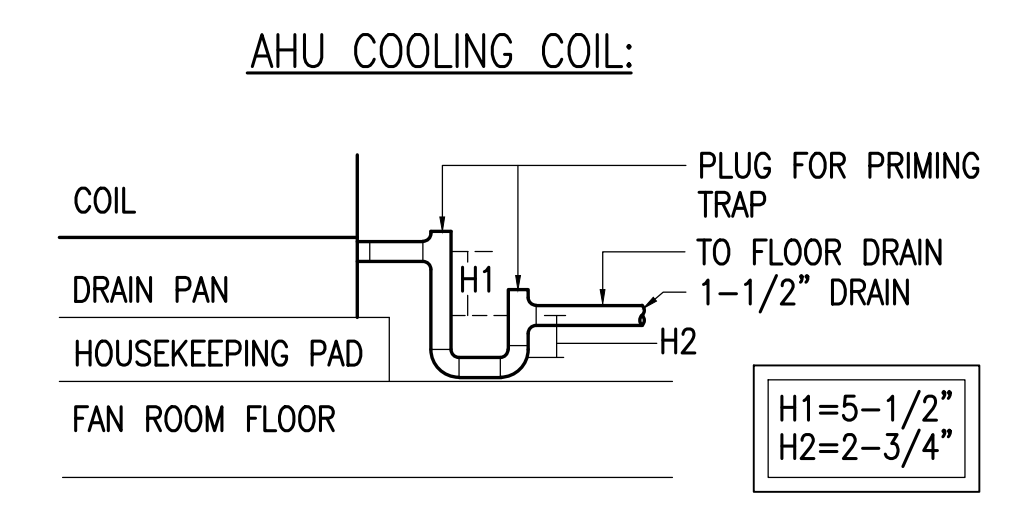
1 STEAM HUMIDIFIER MANIFOLD PIPING DETAIL
NO SCALE



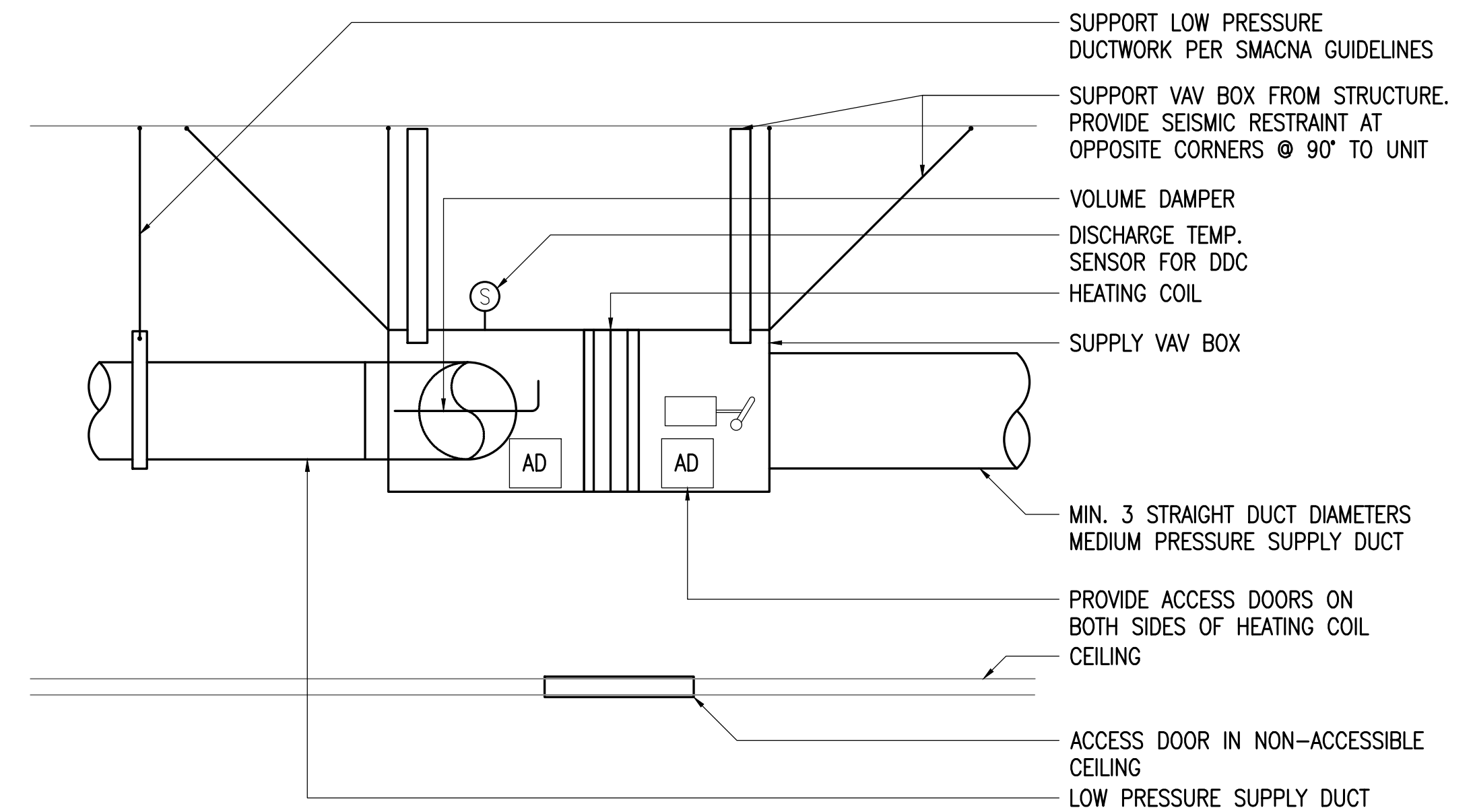
4 GLYCOL TANK DETAIL (GT-1)
NO SCALE



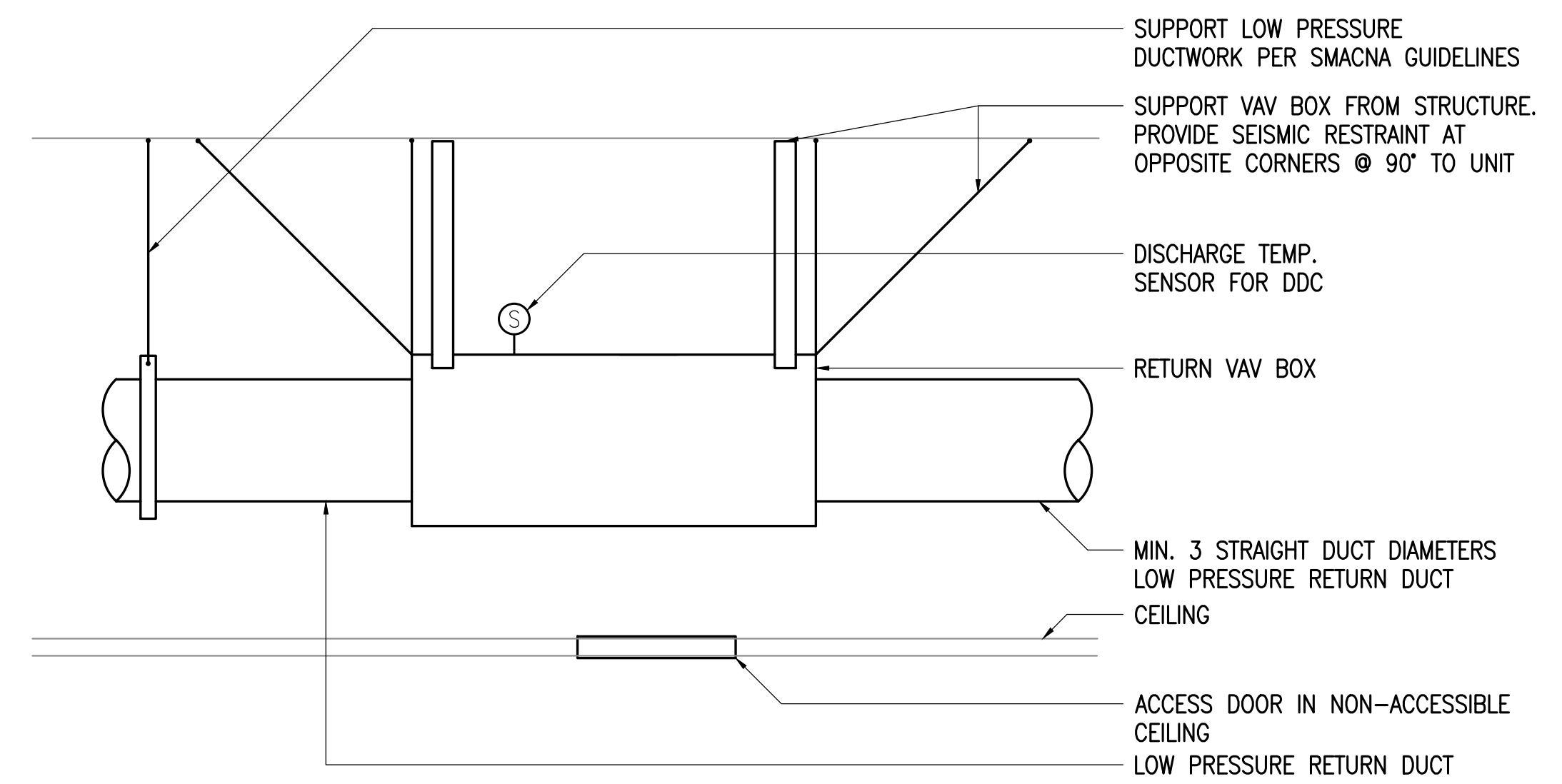
5 VAV THREE WAY HEATING COIL PIPING DETAIL
NO SCALE



6 CONDENSATE DRAIN DETAIL
NO SCALE



2 SUPPLY VAV BOX DETAIL
NO SCALE



3 RETURN VAV BOX DETAIL
NO SCALE



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DRAWING TITLE:
MECHANICAL DETAILS

SHEET:
M601

LIGHT FIXTURE SCHEDULE

TYPE	LOCATION	MANUFACTURER AND CATALOG NUMBER (OR APPROVED EQUAL)	LUMINAIRE DESCRIPTION	MOUNTING		LAMPS	BALLAST/DRIVER	TOTAL INPUT WATTS
				TYPE	HEIGHT			
A	MENS LOCKER	LITHONIA LIGHTING #2GTL-4-40L-EZ1-LP840	2'Wx4'Lx3.25'H RECESSED LED TROFFER, #12 PATTERN ACRYLIC, 0.125" THICK LENS, FLUSH STEEL DOOR AND WHITE FINISH.	RECESSED	CEILING	4000K LED, 4290LM	120/277V 0-10V, DIMMING DRIVER	39
A2	SOILED STORAGE	LITHONIA LIGHTING #2GTL-4-40L-EZ1-LP840-DGA24	SAME AS LIGHT FIXTURE TYPE 'A' EXCEPT WITH DRYWALL GRID ADAPTER.	RECESSED	CEILING	4000K LED, 4290LM	120/277V 0-10V, DIMMING DRIVER	39
B	OFFICE	LITHONIA LIGHTING #2BZL4-40L-EZ1-LP840	2'Wx4'Lx4"H RECESSED INDIRECT LED WITH POWDER COAT WHITE FINISH.	RECESSED	CEILING	4000K LED, 4295LM	120/277V 0-10V, DIMMING DRIVER	39
C	MENS TOILET	LITHONIA LIGHTING #WL4-40L-EZ1-LP840	4-3/4"Wx5 1/2"Lx3-11/16"H LED WALL FIXTURE WITH LINEAR FACETED LENS, WHITE FINISH.	WALL	MATCH EXISTING	4000K LED 4000LM	120/277V 0-10V, DIMMING DRIVER	40
D	PATIENT CORRIDOR	KENALL #AMB24-F-90L40K-DCC-N/A-DV-FA-AMF	2.5'Wx4.5'Lx6.45"H RECESSED LED, FULLY GASKETED, SEALED LUMINOUS SHIELD OF IMPACT RESISTANT DR ACRYLIC FROSTED LENS, WITH ANTIMICROBIAL LOW-GLOSS WHITE FINISH.	RECESSED	CEILING	4000K LED 9921LM	120/277V 0-10V, DIMMING DRIVER	99
E	ABOVE ALCOVE WASH SINKS	KENALL #MRDL6L-31L-40KB-DV-DCC-ALG-ALG-TTG	6.375"DIA.xx6.38"H RECESSED LED, .187" TEXTURED TEMPERED GLASS LENS WITH ANTIMICROBIAL LOW GLOSS WHITE TRIM AND REFLECTOR FINISH.	RECESSED	CEILING	4000K LED 3152LM	120/277V 0-10V, DIMMING DRIVER	35
EM	OPERATING ROOMS	LITHONIA LIGHTING #ELMLT-W-LP06VS-LTP-SD	3.75"Dx12.5"Lx5"H LOW PROFILE LED THERMOPLASTIC EMERGENCY LIGHT, SEALED MAINTENANCE FREE LITHIUM IRON PHOSPHATE BATTERY, SELF DIAGNOSTICS, DAMP LISTED AND WHITE HOUSING.	WALL	7'-6" AFF	N/A	120/277V INPUT, 9.66VDC LITHIUM IRON PHOSPHATE BATTERY	19
X	EXITS	LITHONIA LIGHTING #LQM-S-W-3-G-120/277-ELN-SD	2"Dx11.75"Lx8"H LED THERMOPLASTIC EXIT SIGN, GREEN LETTERS, WHITE HOUSING, SINGLE FACE WITH EXTRA FACEPLATE, NICKEL CADMIUM BATTERY AND SELF DIAGNOSTICS.	SURFACE	ABOVE DOOR	N/A	120/277V	1

GENERAL NOTES: (THIS APPLIES TO ALL SHEETS)

- A. WORK INCLUDES THE REMODEL OF THE OPERATING ROOM AREA WHILE THE OPERATING ROOM AREA WILL REMAIN IN USE. REFER TO PHASING PLAN G2.01 AND GENERAL CONDITION OF THE CONTRACT FOR PROJECT PHASING REQUIREMENTS. ALL SYSTEMS REQUIRED TO MAINTAIN ONE FUNCTIONING OPERATING ROOM SHALL BE FULLY FUNCTIONAL. MAINTAIN OPERATING ELECTRICAL LIGHTING, POWER, FIRE ALARM, NURSE CALL, TELECOM, SECURITY, ETC. AND EQUIPMENT AS NECESSARY TO ALLOW CONTINUED USE OF ONE OPERATING ROOM AS REQUIRED BY PROJECT PHASING PLAN.
- B. NOTIFICATION OF POTENTIAL HAZARDS: ASBESTOS, LEAD AND OTHER HAZARDOUS MATERIALS ARE PRESENT IN THE BUILDING THAT MAY IMPACT THE WORK OF ALL TRADES. ALL TRADES SHALL COORDINATE WITH OTHER TRADES AND CONDUCT THEIR WORK TO PREVENT WORKER EXPOSURE OR SITE CONTAMINATION. REFER TO PROJECT SPECIFICATION AND HAZARDOUS MATERIALS SURVEY REPORT FOR SPECIFIC INFORMATION CONCERNING DISTURBING, REMOVING AND DISPOSING OF THESE MATERIALS AND THE INSTALLATION OF NEW MATERIALS OR COMPONENTS. THIS NOTIFICATION IS PROVIDED IN ACCORDANCE WITH EPA AND OSHA REQUIREMENTS.

LEGEND

	ROUND LIGHT FIXTURE - PENDANT OR SURFACE MTD CLG		NURSE CALL PULL STATION
	LIGHT FIXTURE - RECESSED DOWNLIGHT		EXISTING MP3 INPUT SPEAKER JACK
	EMERGENCY EXIT LIGHT - SURFACE MTD WALL		TELEVISION OUTLET
	EMERGENCY LIGHT		EXISTING CLOSED CIRCUIT TELEVISION CAMERA (WALL MOUNTED)
	LINEAR LIGHT FIXTURE - RECESS MTD		SECURITY CARD ACCESS PANEL
	LINEAR LIGHT FIXTURE - WALL MTD		CARD READER
	FIXTURE TAG (LETTER INDICATES TYPE)		FIRE ALARM BOOSTER
	SINGLE POLE SWITCH		FIRE ALARM CONTROL PANEL
	SINGLE POLE SWITCH (LOWERCASE LETTER INDICATES SWITCHING)		FIRE ALARM REMOTE ANNUNCIATOR PANEL
	THREE WAY SWITCH, FOUR WAY SWITCH		FIRE ALARM PULL STATION
	DIMMER SWITCH		FIRE ALARM HORN (WALL, CLG MOUNTED)
	OCCUPANCY SENSOR WALL SWITCH (DUALTECH)		FIRE ALARM HORN/STROBE LIGHT (WALL, CLG MOUNTED)
	OCCUPANCY SENSOR - CEILING MOUNTED (DUALTECH)		FIRE ALARM STROBE LIGHT (WALL, CLG MOUNTED)
	CONDUIT, CONCEALED		PHOTOELECTRIC SMOKE DETECTOR
	NUMBER AND SIZE OF WIRES (NO MARKS = 3 #12)		DUCT TYPE PHOTOELECTRIC SMOKE DETECTOR
	HOMERUN TO PANEL (PANEL AND CIRCUIT No.)		DUPLEX RECEPTACLE TO BE REMOVED (DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED TYPICAL)
	NEW PANEL, PANEL TO REMAIN		NOTE TAG (No. INDICATES NOTE)
	DUPLEX RECEPTACLE	AFF	ABOVE FINISHED FLOOR
	DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER	AFG	ABOVE FINISHED GRADE
	QUADRAPLEX RECEPTACLE	C	CONDUIT
	SPECIAL PURPOSE OUTLET	CLG	CEILING
	JUNCTION BOX	CO	CONDUIT ONLY
	ADA DOOR OPERATOR	E	DENOTES EXISTING ITEM
	MOTOR (SIZED AS NOTED)	EM	DENOTES EMERGENCY POWER
	FRACTIONAL HORSEPOWER MOTOR STARTER	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
	DISCONNECT SWITCH	GRSC	GALVANIZED RIGID STEEL CONDUIT
	DISCONNECT SWITCH (FUSED)	LED	LIGHT EMITTING DIODE
	COMBINATION DISCONNECT/MAGNETIC MOTOR STARTER	MCB	MAIN CIRCUIT BREAKER
	VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONNECT	MLO	MAIN LUGS ONLY
	TELEPHONE OUTLET	NEC	NATIONAL ELECTRICAL CODE
	TELECOMMUNICATIONS OUTLET (COMBINATION TELEPHONE & DATA)	NL	NIGHTLIGHT
	EXISTING WIRELESS ACCESS PORT	NTS	NOT TO SCALE
	INTERCOM SPEAKER	R	DENOTES EXISTING ITEM THAT HAS BEEN OR WILL BE RELOCATED
	INTERCOM NURSE CALL	TYP	TYPICAL
	INFRARED NURSE CALL SENSOR (CLG MOUNTED)	UON	UNLESS OTHERWISE NOTED
	EXISTING MEDGAS CONTROL PANEL (CLG MOUNTED)	WAP	WIRELESS ACCESS POINT
	NURSE CALL (CLG MOUNTED)	WP	WEATHERPROOF
	NURSE CALL ANTENNAE RECEIVER (CLG MOUNTED)		



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REVISIONS:

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DRAWING TITLE:
LEGEND & SCHEDULES

SHEET:
E001



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 Corporate No.: AECC542

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OPERATING ROOM HVAC RENOVATIONS
4300 BARTLETT ST.
HOMER, ALASKA 99603

REVISIONS:

DRAWN BY: MJC
 CHECKED BY: CPL
 DATE: 02/03/17
 JOB NUMBER: L6191.00
 DWG FILE: L6191_ESERIES

DRAWING TITLE:
 LEVEL 1 POWER
 DEMOLITION PLAN

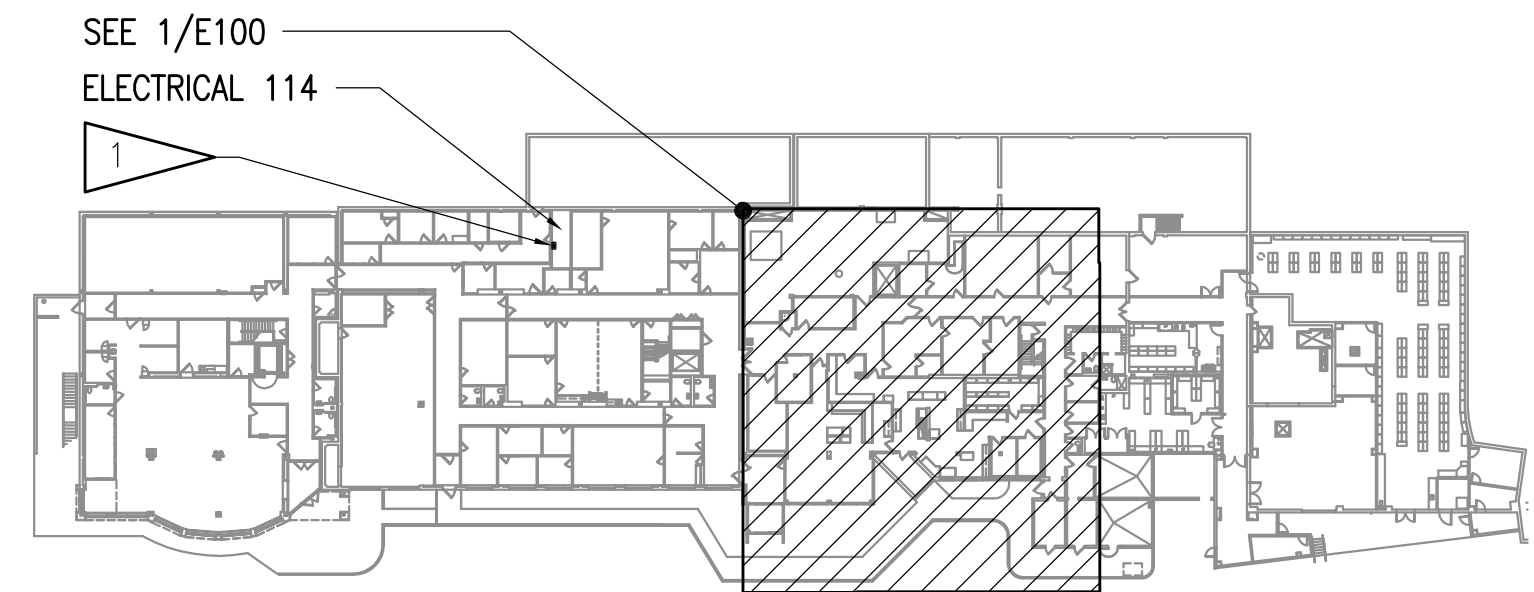
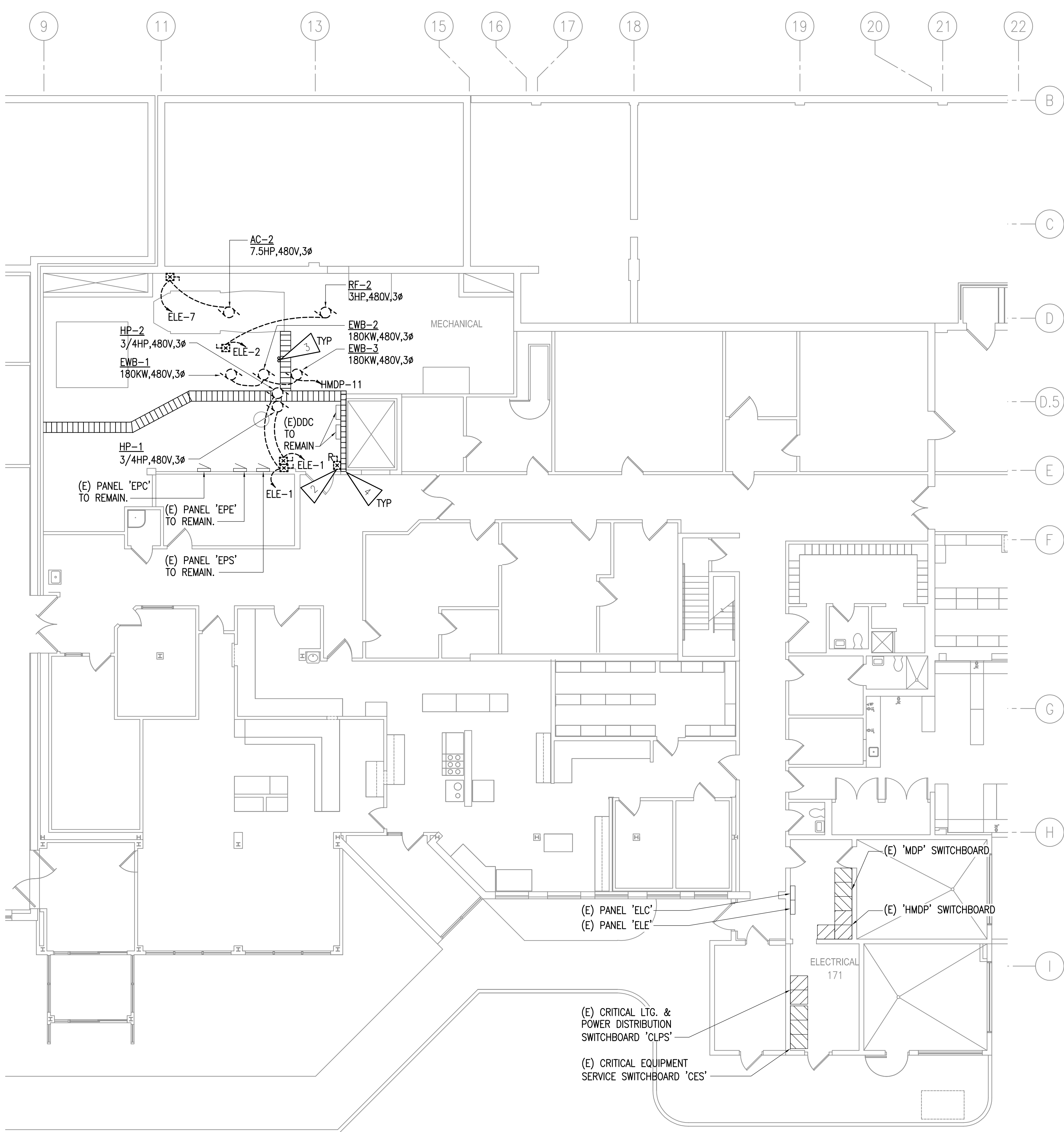
SHEET:
E100

GENERAL NOTES

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
- C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED, UON. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- D. DISCONNECT AND SALVAGE ALL ITEMS NOTED FOR RELOCATION, UON. DEMOLISH CONDUIT, CONDUCTORS, BOXES, ETC. TO ACCOMMODATE CONSTRUCTION. SEE REMODEL PLANS FOR NEW LOCATION.
- E. THERE IS NO GUARANTEE AS TO THE ACCURACY OF THE HOMERUN CIRCUIT DESIGNATIONS. CONTRACTOR TO FIELD VERIFY PRIOR TO START OF WORK.

SHEET NOTES:

- 1 EXISTING FIRE ALARM PANEL LOCATED IN ELECTRICAL ROOM 114.
- 2 RELOCATE STARTER TO ACCOMMODATE NEW PANEL. SEE 1/E300.
- 3 CUT ALL ABANDONED CONDUITS FLUSH WITH THE FLOOR, REMOVE ALL ABANDONED CONDUCTORS BACK TO SOURCE AND PATCH SURFACES.
- 4 EXISTING CONTROL WIRING CABLE TRAY. RELOCATE AND EXTEND TO ACCOMMODATE DEMOLITION AND NEW CONSTRUCTION OF MECHANICAL EQUIPMENT, TYP.



1 LEVEL 1 POWER DEMOLITION PLAN
 1/8"=1'-0"

LEVEL 1 - KEY PLAN
 NO SCALE





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DRAWN BY: MJC
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 DWG FILE: L6191_ESERIES

DRAWING TITLE:
LEVEL 2 LIGHTING DEMOLITION PLAN - OPERATING ROOMS

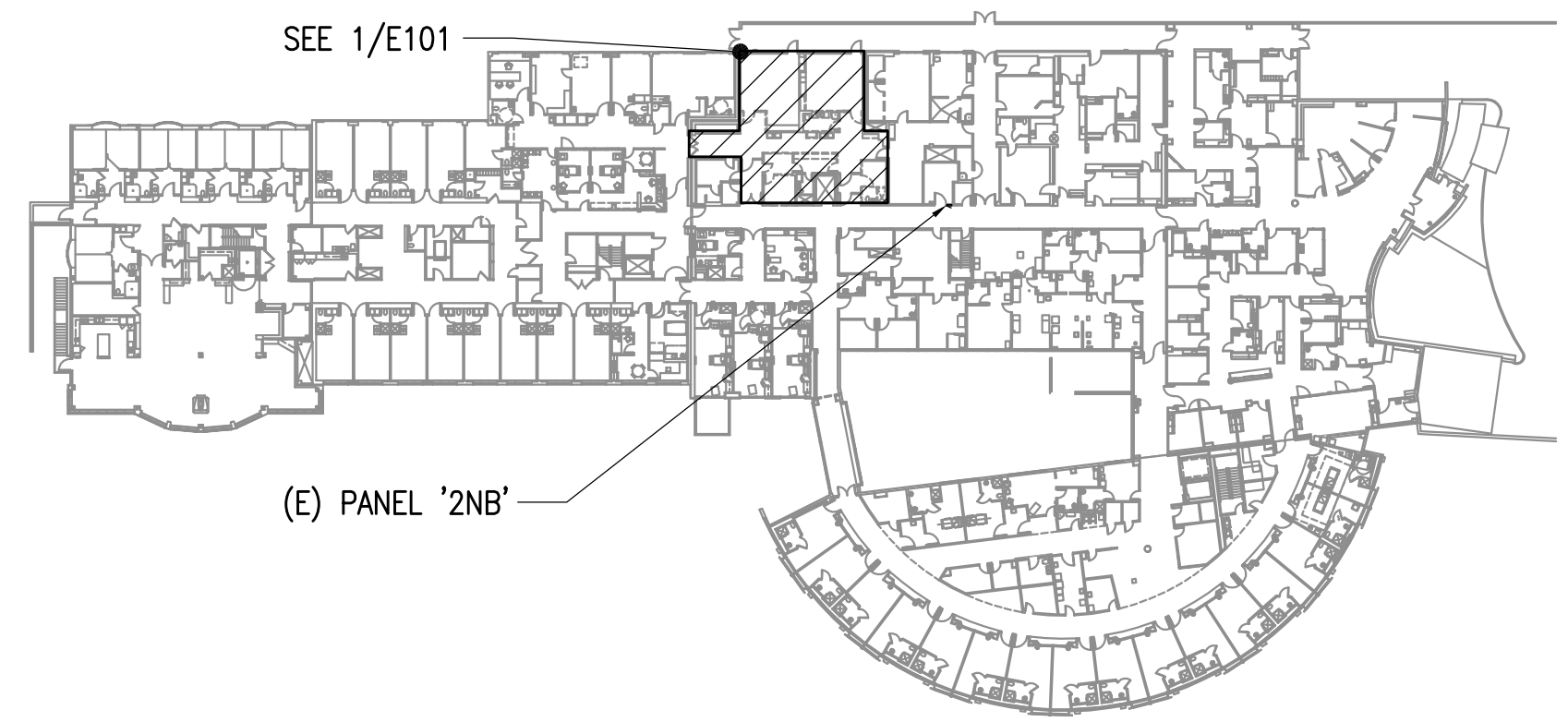
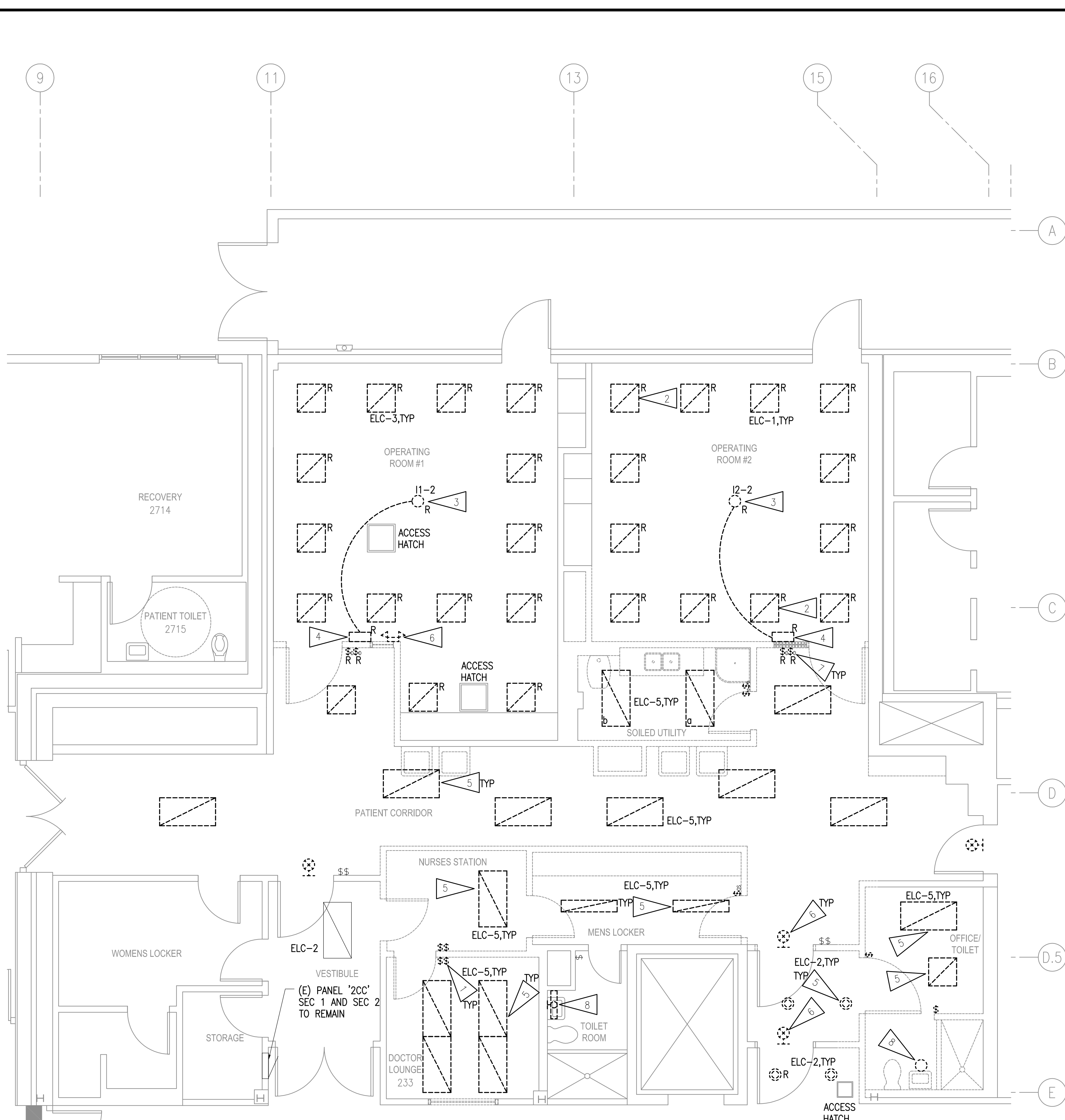
SHEET:
E101

GENERAL NOTES

- A. THE INFORMATION SHOWN ON THIS DRAWING IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE INFORMATION SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL ITEMS SCHEDULED FOR DEMOLITION PRIOR TO START OF WORK.
- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
- C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED, UON. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- D. DISCONNECT AND SALVAGE ALL ITEMS NOTED FOR RELOCATION, UON. DEMOLISH CONDUIT, CONDUCTORS, BOXES, ETC. TO ACCOMMODATE CONSTRUCTION. SEE REMODEL PLANS FOR NEW LOCATION.
- E. ALL MODIFIED LIFESAFETY AND CRITICAL BRANCH CIRCUITS SHALL COMPLY WITH NEC 517.30(C)(3). MC CABLING SHALL NOT BE USED OR RE-USED.

SHEET NOTES:

- 1 DISCONNECT AND DEMOLISH LIGHT SWITCH. SALVAGE ELECTRICAL CIRCUIT FOR RE-CONNECTION.
- 2 EXISTING LIGHT FIXTURE INOPERABLE, REPAIR/REPLACE LIGHT FIXTURE.
- 3 DISCONNECT EXISTING LED SURGICAL LIGHT AND SALVAGE FOR RE-CONNECTION.
- 4 EXISTING CONTROL PANEL FOR LED SURGICAL LIGHT. DISCONNECT CONTROL PANEL AND SALVAGE FOR RE-CONNECTION.
- 5 DISCONNECT AND DEMOLISH LIGHT FIXTURE. SALVAGE ELECTRICAL CIRCUIT FOR RE-CONNECTION.
- 6 DISCONNECT AND DEMOLISH EMERGENCY FIXTURE. SALVAGE ELECTRICAL CIRCUIT FOR RE-CONNECTION.
- 7 DISCONNECT OPERATING ROOM LIGHT SWITCHES AND RELOCATE. SALVAGE ELECTRICAL CIRCUIT FOR RE-CONNECTION.
- 8 DISCONNECT AND DEMOLISH LIGHT FIXTURE. DEMOLISH ELECTRICAL CIRCUIT CONNECTED TO LOCAL RECEPTACLE CIRCUIT. IN TOILET ROOM, RETAIN MOUNTING HEIGHT FOR NEW LIGHT FIXTURE.



1 LEVEL 2 LIGHTING DEMOLITION PLAN - OPERATING ROOMS
 1/4"=1'-0"

LEVEL 2 - KEY PLAN
 NO SCALE



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REVISIONS:

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 DWG FILE: L6191_ESERIES

DRAWING TITLE:
 LEVEL 2 POWER & SIGNAL
 DEMOLITION PLAN -
 OPERATING ROOMS

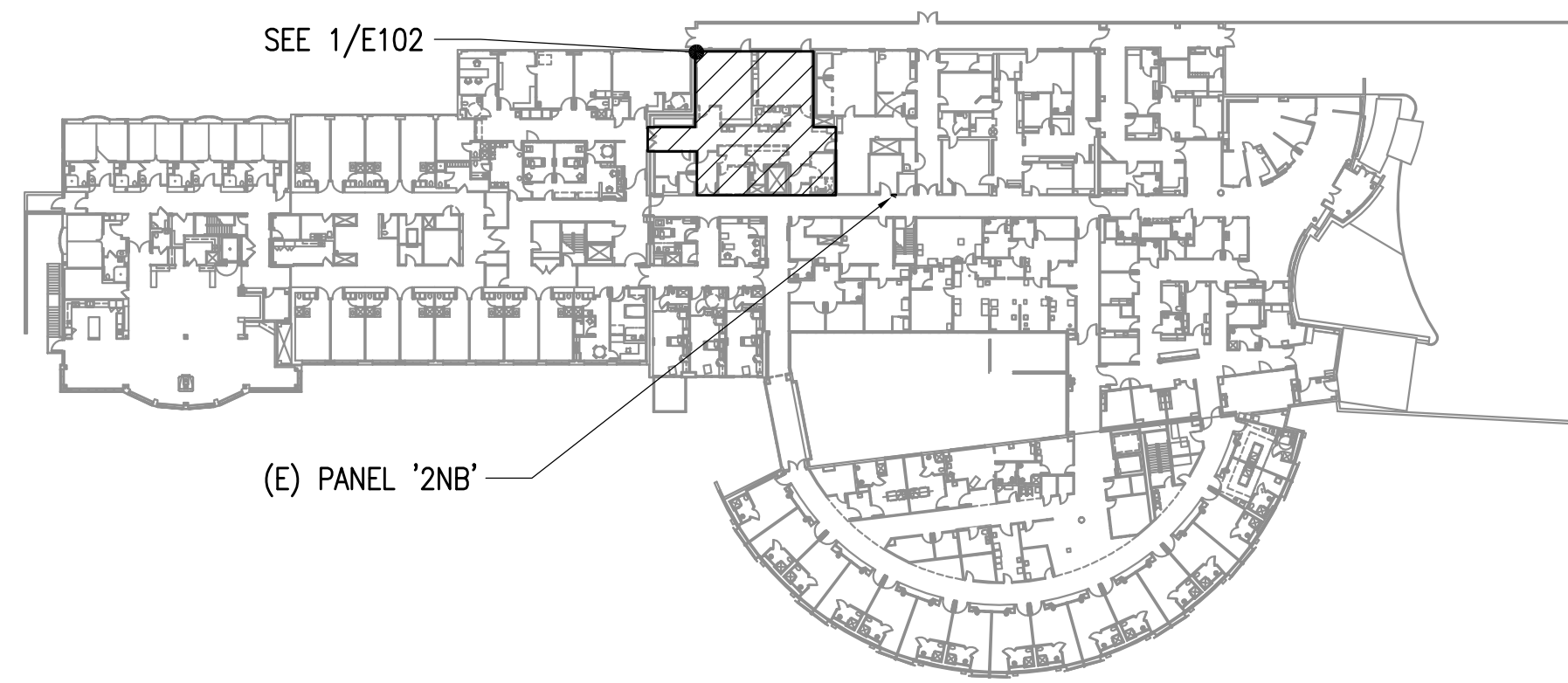
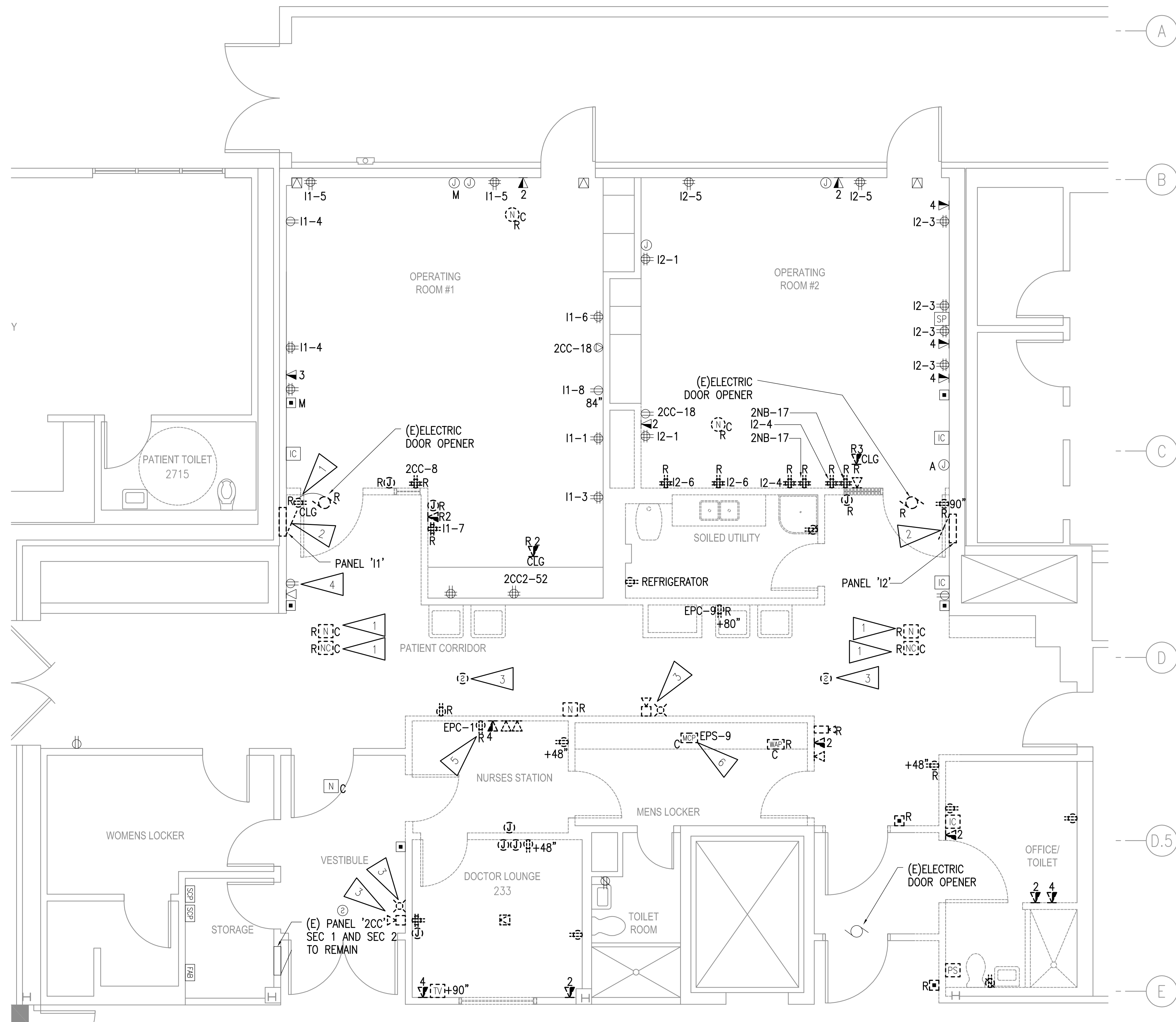
SHEET:
E102

GENERAL NOTES

- A. SEE GENERAL NOTES ON E101.
- B. REMOVE ABANDONED CABLES ABOVE CEILING. PROPERLY SUPPORT EXISTING LOW VOLTAGE CABLES ABOVE CEILINGS WITH NEW JACKS.
- C. ALL MODIFIED LIFESAFETY AND CRITICAL BRANCH CIRCUITS SHALL COMPLY WITH NEC 517.30(C)(3). MC CABLING SHALL NOT BE USED OR RE-USED.
- D. THE EXISTING RECEPTACLE HOMERUN CIRCUIT DESIGNATIONS IS TAKEN FROM AS-BUILT DRAWINGS AND A NON-DESTRUCTIVE WALK THROUGH OF THE FACILITY. THERE IS NO WARRANTY OR GUARANTEE AS TO THE ACCURACY OF THE RECEPTACLE HOMERUN CIRCUIT DESIGNATIONS SHOWN HERE-IN. THE CONTRACTOR SHALL FIELD VERIFY ALL RECEPTACLE HOMERUN CIRCUIT DESIGNATIONS PRIOR TO START OF WORK.

SHEET NOTES:

- 1 REMOVE AND REINSTALL EXISTING DEVICES TO ACCOMMODATE CONSTRUCTION, UON.
- 2 DISCONNECT AND DEMOLISH PANEL. SALVAGE ALL ELECTRICAL CIRCUITS FOR RE-CONNECTION THAT ISN'T INSTALLED IN MC. SEE 1/E501.
- 3 DISCONNECT AND DEMOLISH FIRE ALARM EQUIPMENT.
- 4 REMOVE AND REPLACE CRACKED POWER RECEPTACLE COVER.
- 5 DISCONNECT AND DEMOLISH RECEPTACLE. SALVAGE ELECTRICAL CIRCUIT FOR RE-CONNECTION. SEE 1/E301.
- 6 DISCONNECT AND DEMOLISH MED GAS CONTROL PANEL. SALVAGE ELECTRICAL CIRCUIT AND ALARM CONTROL CIRCUIT FOR RE-CONNECTION.



1 LEVEL 2 POWER & SIGNAL DEMOLITION PLAN - OPERATING ROOMS
 1/4"=1'-0"

LEVEL 2 - KEY PLAN
 NO SCALE



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DRAWING TITLE:
 LEVEL 2 LIGHTING
 REMODEL PLAN -
 OPERATING ROOMS

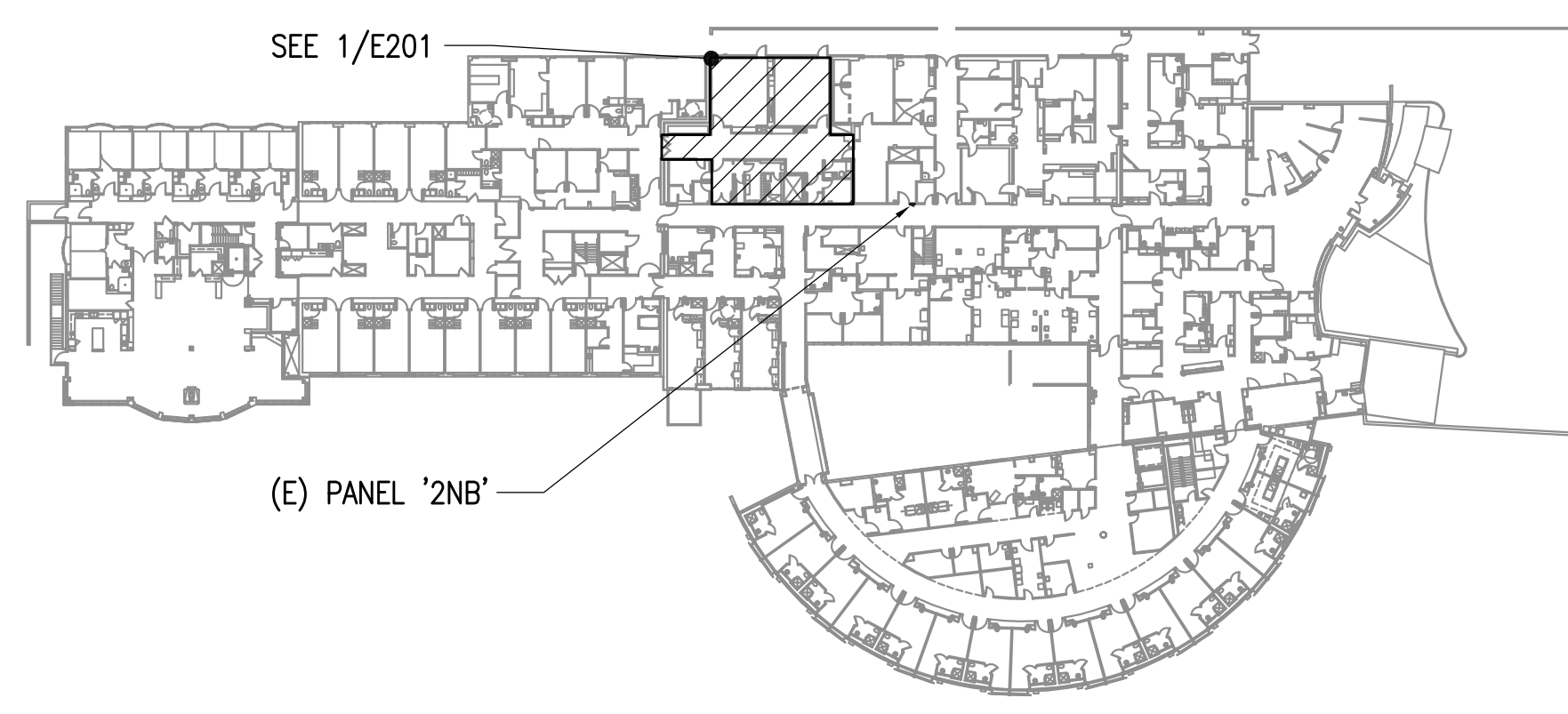
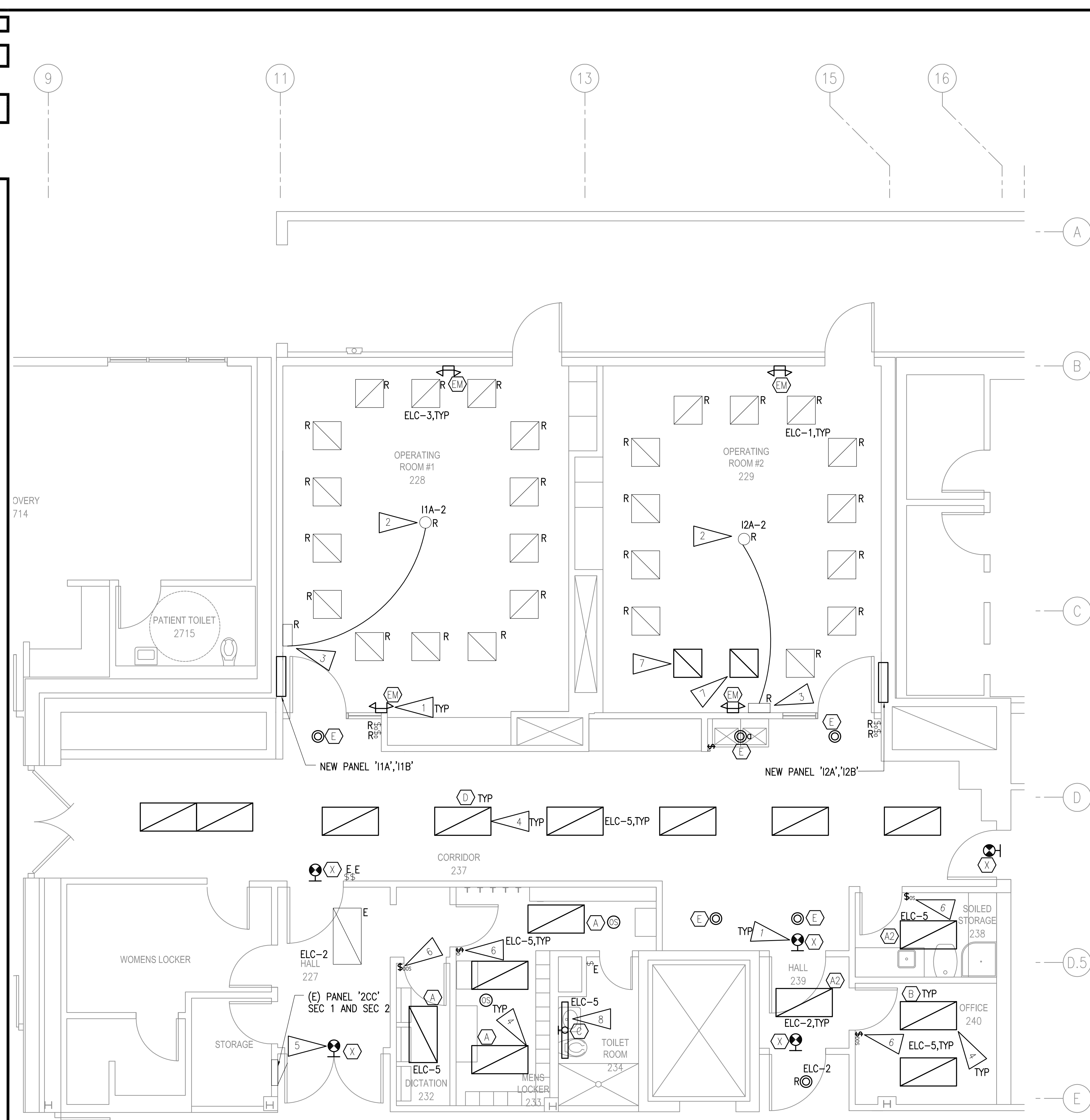
SHEET:
E201

GENERAL NOTES

- A. WHERE ITEMS ARE NOTED AS BEING RELOCATED, REINSTALL SALVAGED EQUIPMENT IN NEW LOCATION SHOWN. EXTEND AND RECONNECT TO EXISTING CIRCUIT, UON.
- B. WIRING NOT SHOWN FOR CLARITY, BUT SHALL BE PROVIDED BY CONTRACTOR TO MEET NEC REQUIREMENTS PER THE CIRCUIT ASSIGNMENTS INDICATED.

SHEET NOTES:

- 1 CONNECT TO UN-SWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
- 2 RE-INSTALL LED SURGICAL LIGHT IN NEW CEILING. EXTEND AND RE-CONNECT ELECTRICAL CIRCUIT AS REQUIRED.
- 3 RELOCATE LED SURGICAL LIGHT CONTROL PANEL TO NEW WALL. EXTEND AND RE-CONNECT TO SALVAGED ELECTRICAL CIRCUIT AS REQUIRED.
- 4 PROVIDE NEW LIGHT FIXTURE AS SHOWN. CONNECT TO LOCAL SALVAGED CIRCUIT AND SWITCHING, AS REQUIRED.
- 5 PROVIDE NEW EMERGENCY FIXTURE. EXTEND AND RE-CONNECT TO UN-SWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
- 6 PROVIDE NEW DEVICE IN NEW LOCATION. EXTEND AND RE-CONNECT TO SALVAGED ELECTRICAL CIRCUIT AS REQUIRED.
- 7 PROVIDE NEW LIGHT FIXTURE TO MATCH EXISTING. CONNECT TO LOCAL LIGHTING CIRCUIT.
- 8 MOUNT NEW LIGHT FIXTURE TO RETAINED MOUNTING HEIGHT. PROVIDE NEW ELECTRICAL CIRCUIT AND CONNECT TO MEN'S LOCKER 233 LOCAL LIGHTING CIRCUIT.



1 LEVEL 2 LIGHTING REMODEL PLAN - OPERATING ROOMS
 1/4"=1'-0"

LEVEL 2 - KEY PLAN
 NO SCALE



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DRAWING TITLE:
 LEVEL 1 POWER & SIGNAL
 REMODEL PLAN

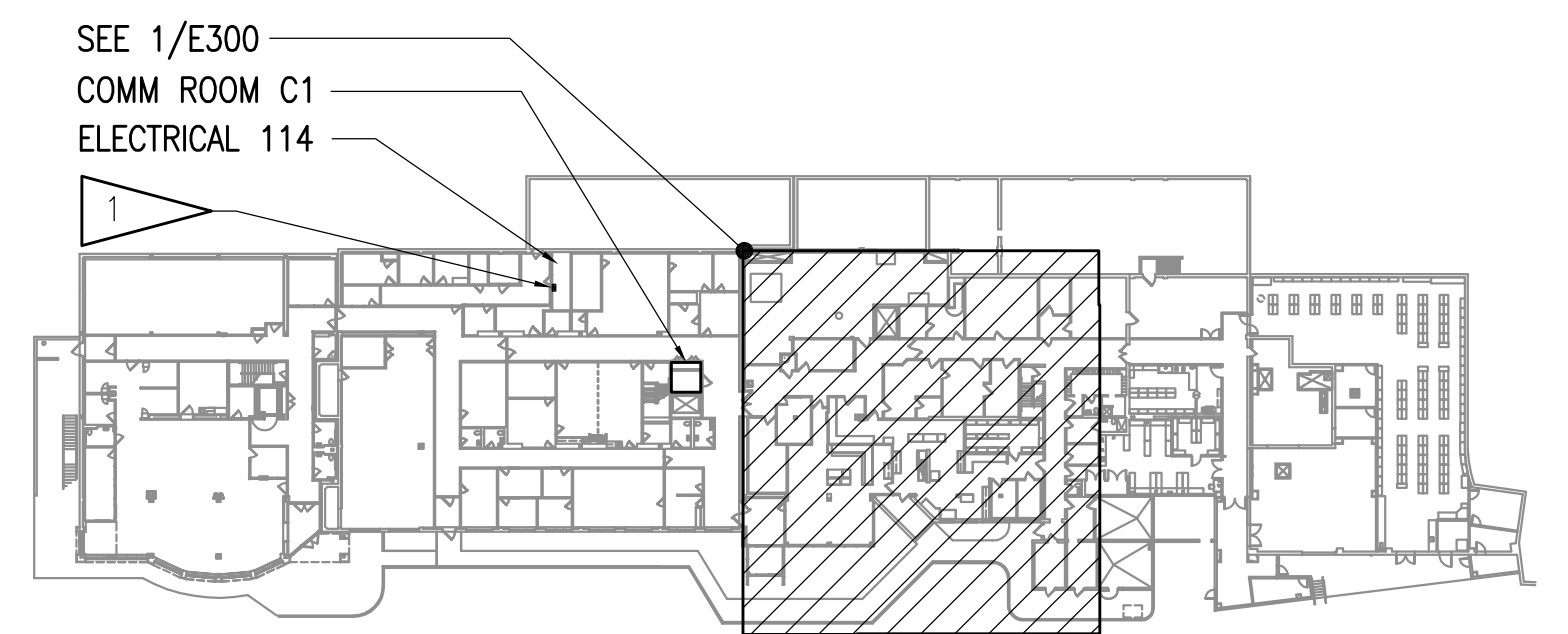
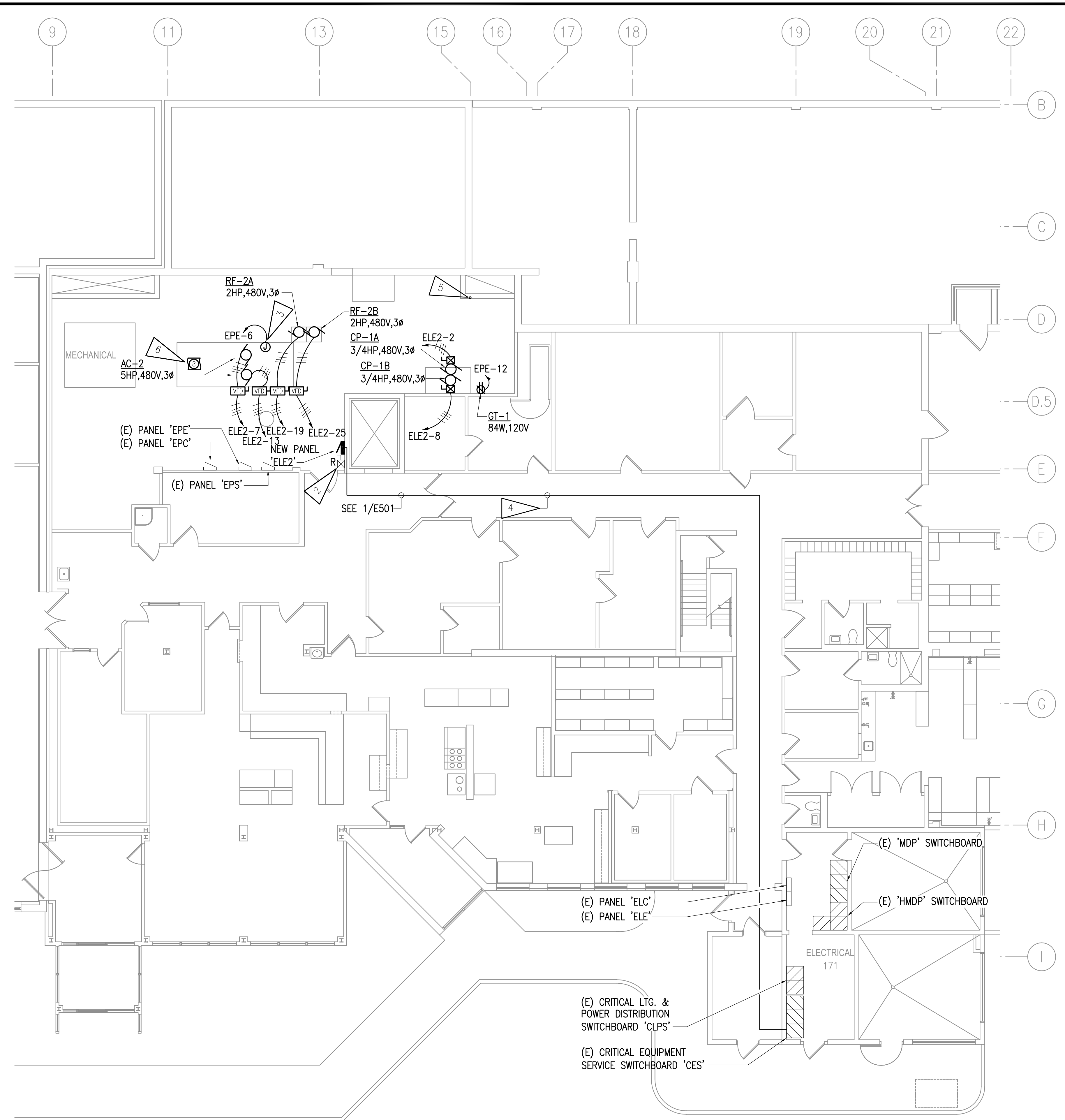
SHEET:
E300

GENERAL NOTES

- A. WHERE ITEMS ARE NOTED AS BEING RELOCATED, REINSTALL SALVAGED EQUIPMENT IN NEW LOCATION SHOWN. EXTEND AND RECONNECT TO EXISTING CIRCUIT, UON.
- B. WIRING NOT SHOWN FOR CLARITY, BUT SHALL BE PROVIDED BY CONTRACTOR TO MEET NEC REQUIREMENTS PER THE CIRCUIT ASSIGNMENTS INDICATED.
- C. EXISTING CONTROL WIRING CABLE TRAY IN MECHANICAL ROOM NOT SHOWN FOR CLARITY. SEE 1/E100 FOR LOCATION OF CABLE TRAY.

SHEET NOTES:

- 1 EXISTING FIRE ALARM PANEL LOCATED IN ELECTRICAL ROOM 114.
- 2 RELOCATE MOTOR STARTER TO ACCOMMODATE NEW PANEL 'ELE2'. EXTEND AND RECONNECT EXISTING POWER AND CONTROL CIRCUITS.
- 3 PROVIDE SEPARATE 120V, 20A CIRCUIT FOR AC INTERIOR LIGHTING. AC LIGHT FIXTURE(S) ARE INTEGRAL TO AC.
- 4 THE AVAILABLE SPACE ABOVE THE ACCESSIBLE CEILINGS IN THE CORRIDORS IS LIMITED. AT THE CONTRACTOR'S OPTION, IN LIEU OF INSTALLING THE CONDUIT ABOVE THE ACCESSIBLE CEILINGS IN THE CORRIDOR BETWEEN ELECTRICAL 171 AND MECHANICAL ROOM, THE FEEDER MAY BE ROUTED UP THE SIDE OF THE BUILDING, ON THE ROOF AND DOWN INTO THE MECHANICAL ROOM.
- 5 INTERRUPT AND RE-ROUTE. (2EACH) 3/4" CONDUITS THAT ARE PENETRATING THE SHAFT THROUGH THE FIRE DAMPER AND EXTEND AND RE-ROUTE PROPERLY THROUGH THE CHASE.
- 6 PROVIDE NEW DUCT SMOKE DETECTOR AS SHOWN. CONNECT TO EXISTING FIRE ALARM PANEL IN ELECTRICAL ROOM 114. SEE SHEET NOTE #1 ON LEVEL 1 - KEY PLAN.



1 LEVEL 1 POWER & SIGNAL REMODEL PLAN
 1/8"=1'-0"

LEVEL 1 - KEY PLAN
 NO SCALE



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 DWG FILE: L6191_ESERIES

DRAWING TITLE:
 LEVEL 2 POWER & SIGNAL
 REMODEL PLAN -
 OPERATING ROOMS

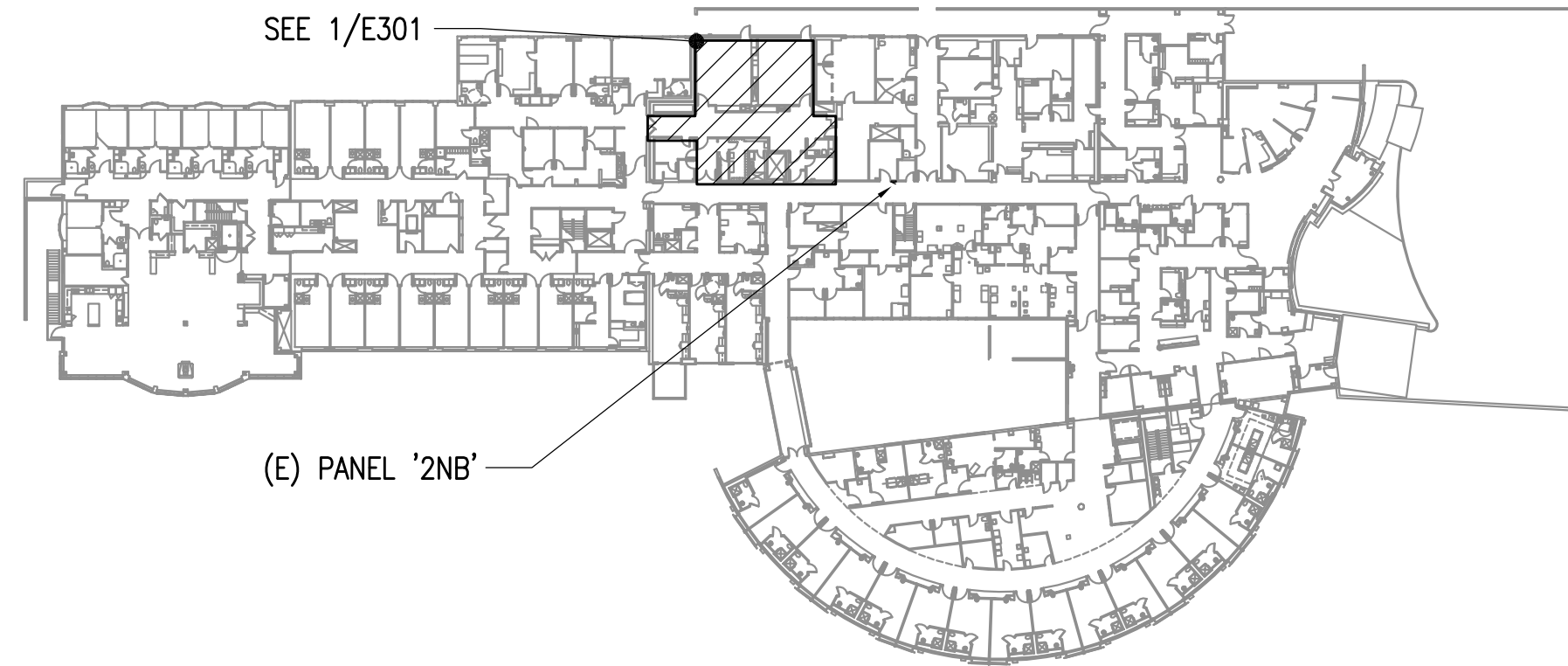
SHEET:
E301

GENERAL NOTES

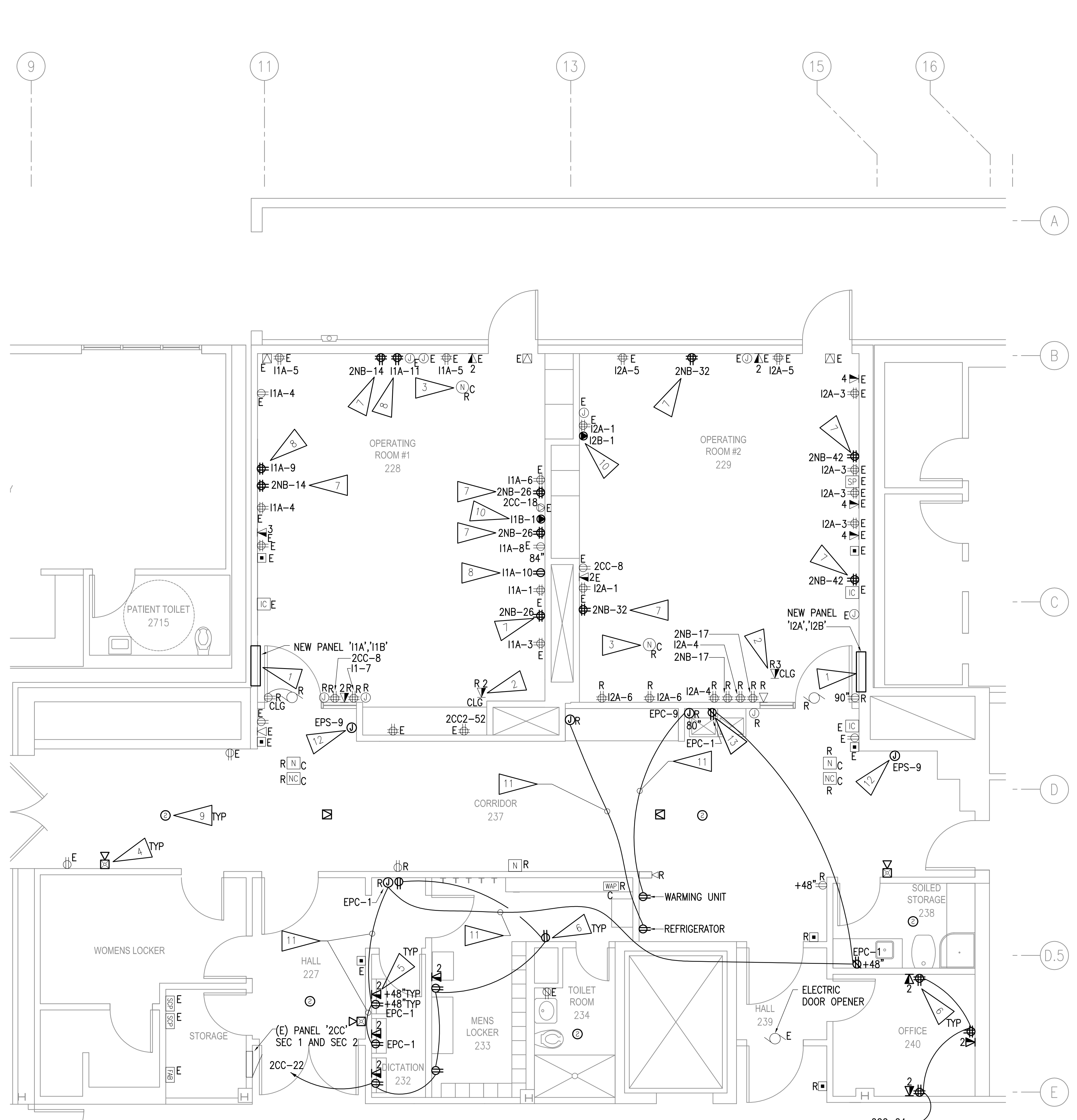
- A. WHERE ITEMS ARE NOTED AS BEING RELOCATED, REINSTALL SALVAGED EQUIPMENT IN NEW LOCATION SHOWN. EXTEND AND RECONNECT TO EXISTING CIRCUIT, UON.
- B. WIRING NOT SHOWN FOR CLARITY, BUT SHALL BE PROVIDED BY CONTRACTOR TO MEET NEC REQUIREMENTS PER THE CIRCUIT ASSIGNMENTS INDICATED.
- C. IN OPERATING ROOMS #1 AND #2, INSTALL MISSING #12 EQUIPMENT GROUNDING CONDUCTORS FROM PANEL '11' AND '12' TO EXISTING CIRCUITS SHOWN IN THE OPERATING ROOMS.
- D. ABOVE CEILING IN OPERATING ROOM #1, ONE 3/4" EMT CONDUIT WAS FOUND TO HAVE A COUPLING PULLED APART. AFTER REMOVAL OF EXISTING CEILING, INSPECT ALL WIRING TERMINATIONS ON EITHER END OF THE BROKEN CONDUIT TO CONFIRM CONDUCTORS WERE NOT STRETCHED TOO FAR AND TERMINATIONS COMPROMISED. TIGHTEN CONDUIT FITTING AND REPAIR TERMINATIONS AS REQUIRED.
- E. REPLACE ALL EXISTING RECEPTACLES SHOWN IN EXISTING BOXES WITH HOSPITAL GRADE RECEPTACLES. COLOR CODE RECEPTACLES PER SPECIFICATIONS.

SHEET NOTES:

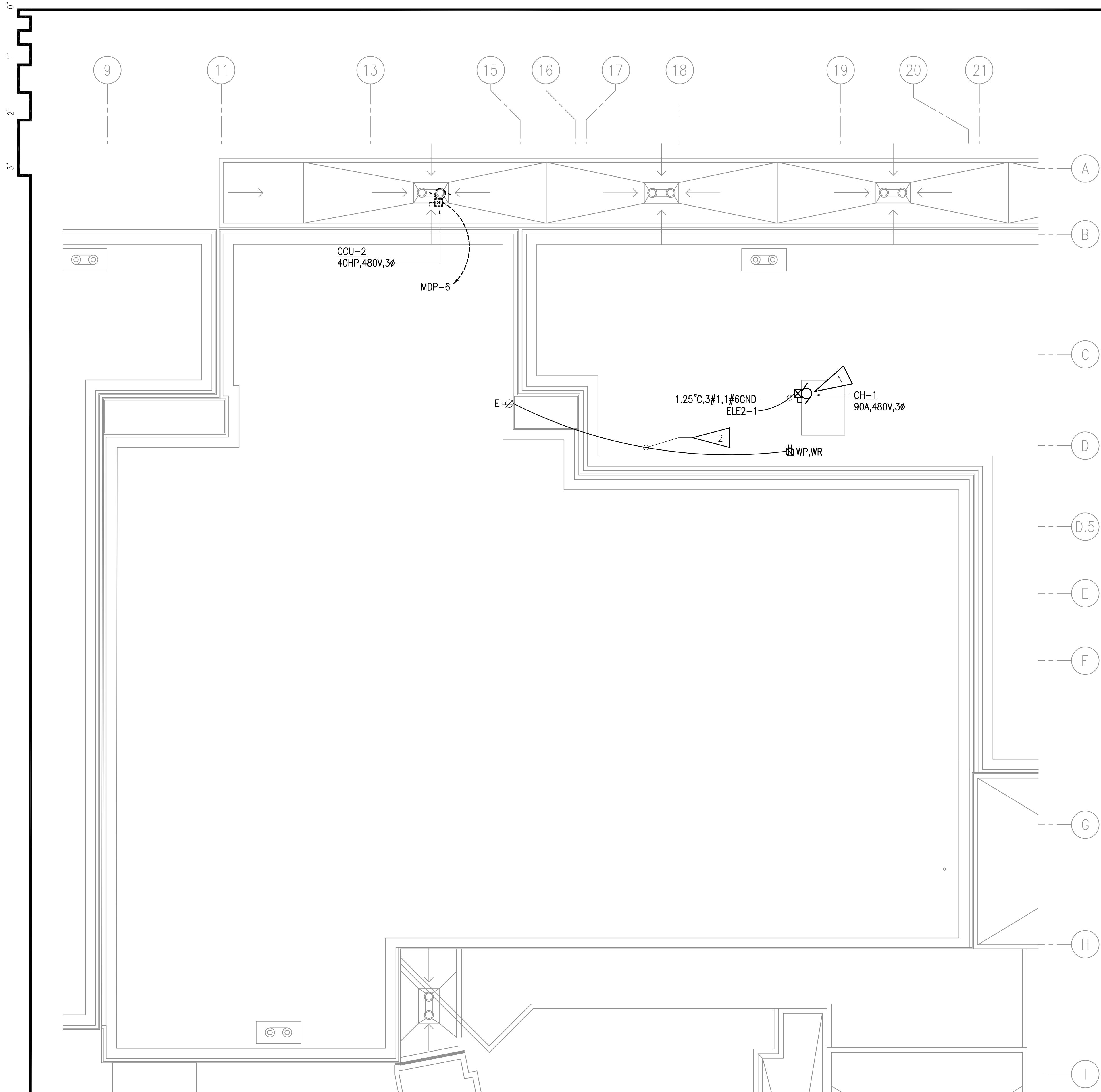
- 1 PROVIDE NEW PANEL IN SAME LOCATION AS EXISTING. EXTEND AND RE-CONNECT TO ALL EXISTING CIRCUITS. SEE 1/E501. SEE ARCHITECT SHEETS FOR FURRING WALL OUT BEHIND DOOR FOR NEW PANEL DEPTH.
- 2 RE-INSTALL TELECOM JACK IN NEW CEILING. EXTEND AND RE-CONNECT TELECOM CABLES AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
- 3 RE-INSTALL NURSE CALL SYSTEM DEVICE IN NEW CEILING. EXTEND AND RE-CONNECT WIRING AS REQUIRED TO ACCOMMODATE CONSTRUCTION.
- 4 PROVIDE NEW FIRE ALARM DEVICE AS SHOWN. CONNECT TO EXISTING BOOSTER PANEL IN STORAGE ROOM.
- 5 PROVIDE NEW TELECOM JACK WITH NEW CAT6 CABLES BACK TO EXISTING PATCH PANEL LOCATED IN TELECOM ROOM C1. LOCATED ON 1ST. FLOOR. SEE KEY PLANS E300.
- 6 PROVIDE NEW NORMAL POWER RECEPTACLE IN LOCATION SHOWN WITH NEW CONDUIT AND CONDUCTORS TO PANEL '2NB'.
- 7 PROVIDE NEW NORMAL POWER RECEPTACLE IN LOCATION SHOWN WITH NEW CONDUIT AND CONDUCTORS TO PANEL '2NB' TO MEET NEC 517.19(C)(1)(1) REQUIREMENTS.
- 8 PROVIDE NEW CRITICAL POWER RECEPTACLE IN LOCATION SHOWN WITH NEW CONDUIT AND CONDUCTORS TO PANEL '11' TO MEET NEC 517.19(C).
- 9 PROVIDE NEW SMOKE DETECTOR AS SHOWN. CONNECT TO NEAREST FIRE ALARM CIRCUIT WITH CAPACITY.
- 10 NEW SPECIAL RECEPTACLE FOR LASER EQUIPMENT.
- 11 EXTEND EXISTING CIRCUIT TO NEW LOCATION.
- 12 EXTEND SALVAGED POWER CIRCUIT TO FEED NEW MED GAS PANEL. CONNECT TO PANEL PER MANUFACTURER REQUIREMENTS. COORDINATE MOUNTING HEIGHTS OF PANEL WITH MECHANICAL, PRIOR TO ROUGH-IN. SEE GENERAL NOTE D ON E102. EXTEND AND RE-CONNECT ALARM CIRCUIT.
- 13 PROVIDE NEW 120V POWER RECEPTACLE FOR NEW SENSOR OPERATED SCRUB SINK. COORDINATE WITH MECHANICAL, PRIOR TO ROUGH-IN.



LEVEL 2 - KEY PLAN
 NO SCALE



1 LEVEL 2 POWER & SIGNAL REMODEL PLAN - OPERATING ROOMS
 1/4"=1'-0"

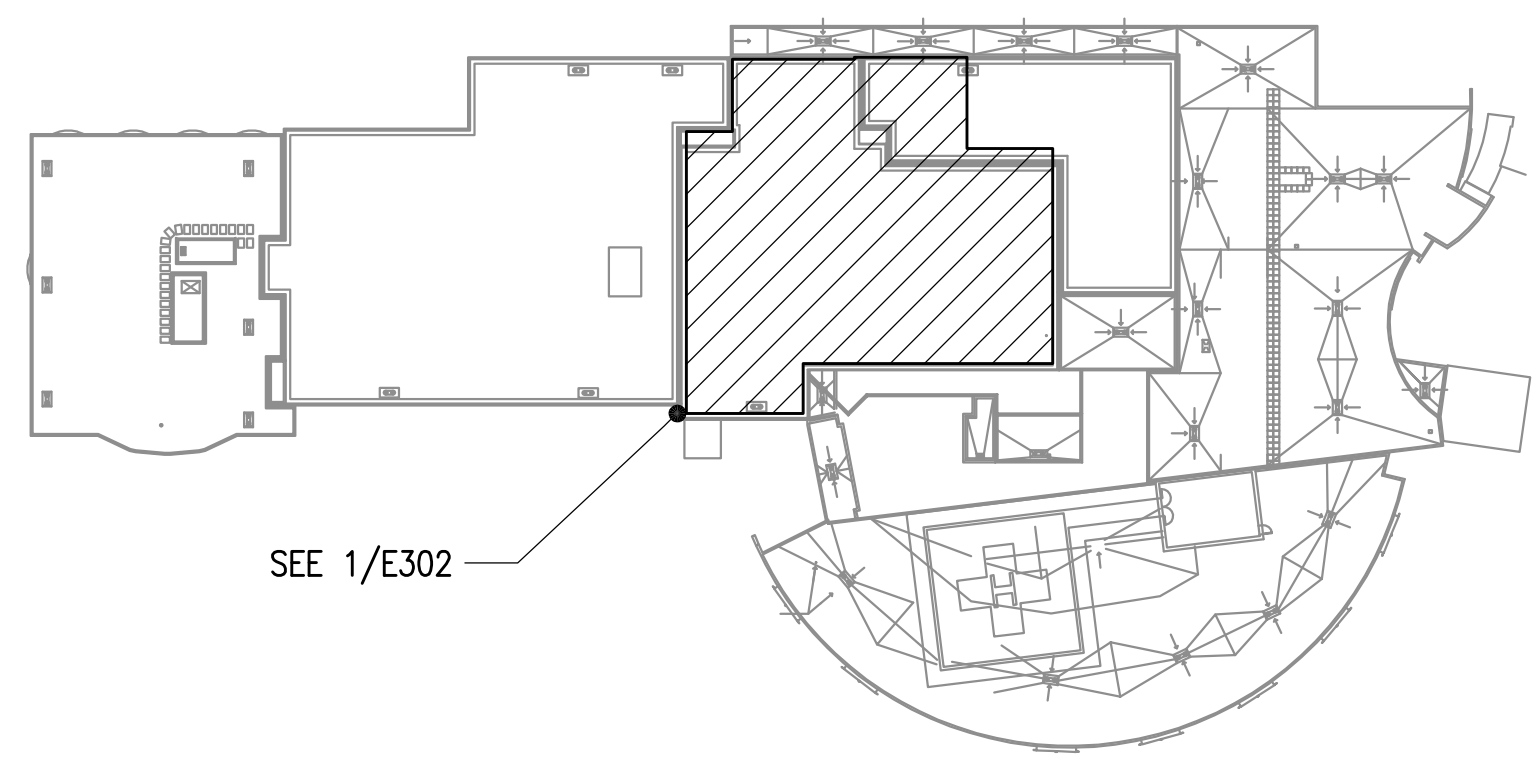


GENERAL NOTES

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- B. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE MATERIALS. THE CONTRACTOR SHALL DELIVER SALVAGED MATERIALS TO A WAREHOUSE AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL DISPOSE OF, OFF SITE, ALL UNWANTED MATERIALS.
- C. DASHED OR DOTTED LINES INDICATE ITEMS TO BE REMOVED, UON. SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.

SHEET NOTES:

- 1 SEE 1/E300 FOR LOCATION OF PANEL 'ELE2' LOCATION IN FIRST FLOOR MECHANICAL ROOM.
- 2 PROVIDE NEW 120V ELECTRIC CIRCUIT AND CONNECT TO LOCAL RECEPTACLE CIRCUIT.



ROOF - KEY PLAN
NO SCALE



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REVISIONS:

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DWG FILE: L6191_ESERIES

DRAWING TITLE:
ROOF POWER, SIGNAL DEMOLITION & REMODEL PLAN - MECHANICAL

SHEET:
E302

1 ROOF POWER, SIGNAL DEMOLITION & REMODEL PLAN - MECHANICAL
1/8"=1'-0"



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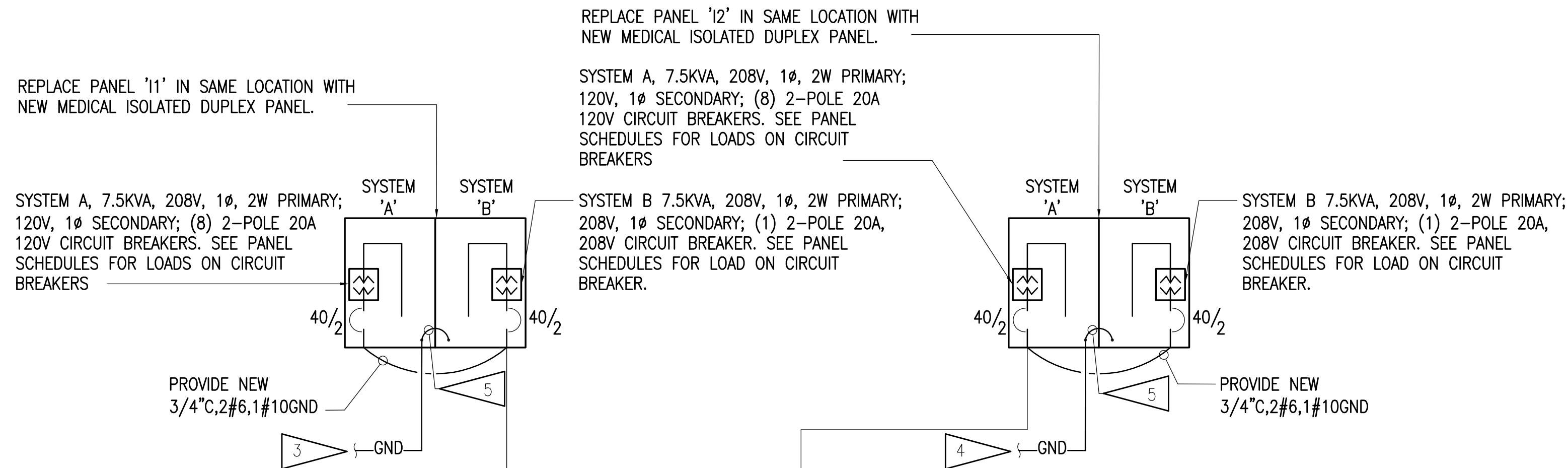
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DRAWING TITLE:
 PARTIAL POWER ONE-LINE
 DIAGRAM

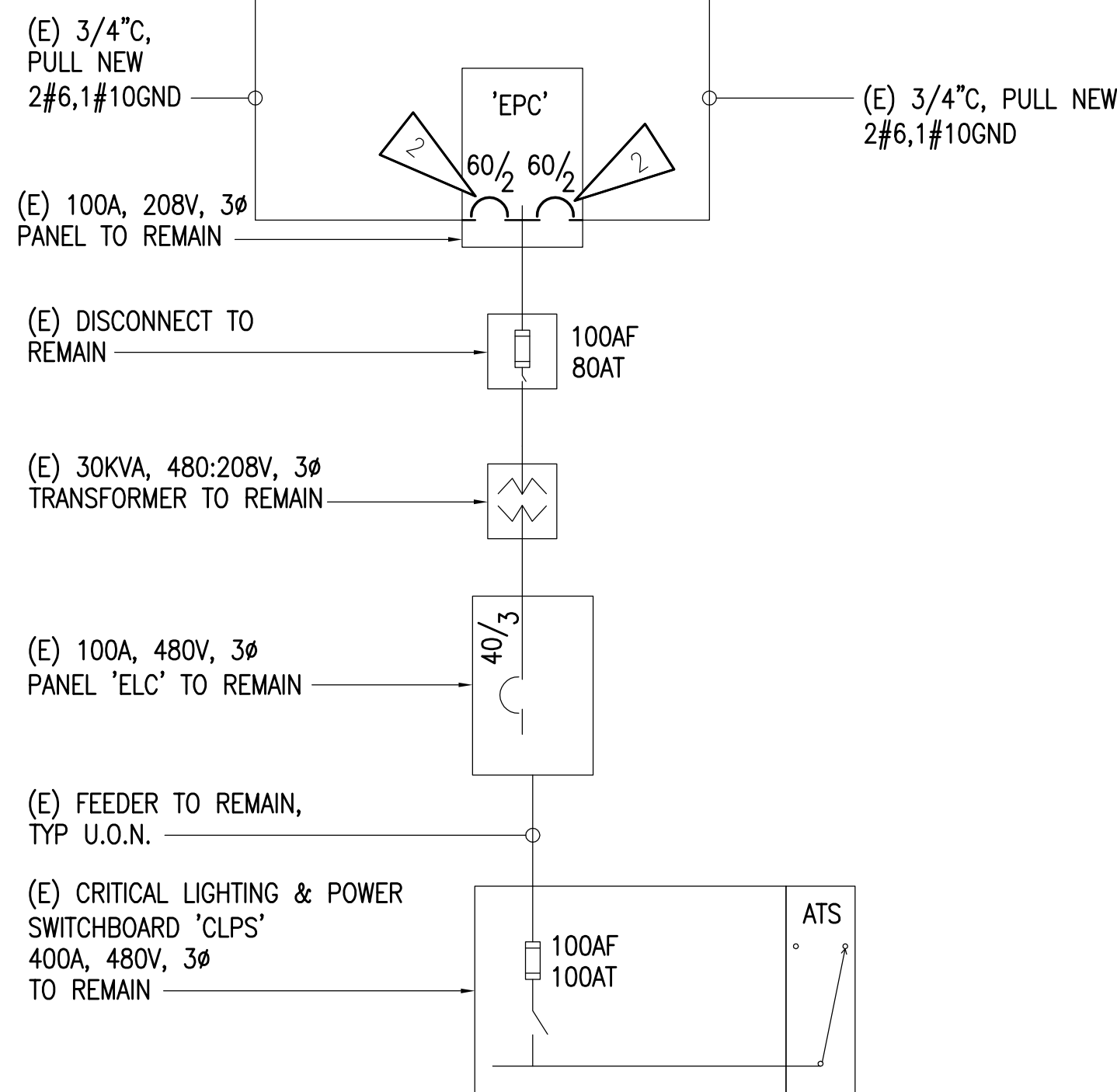
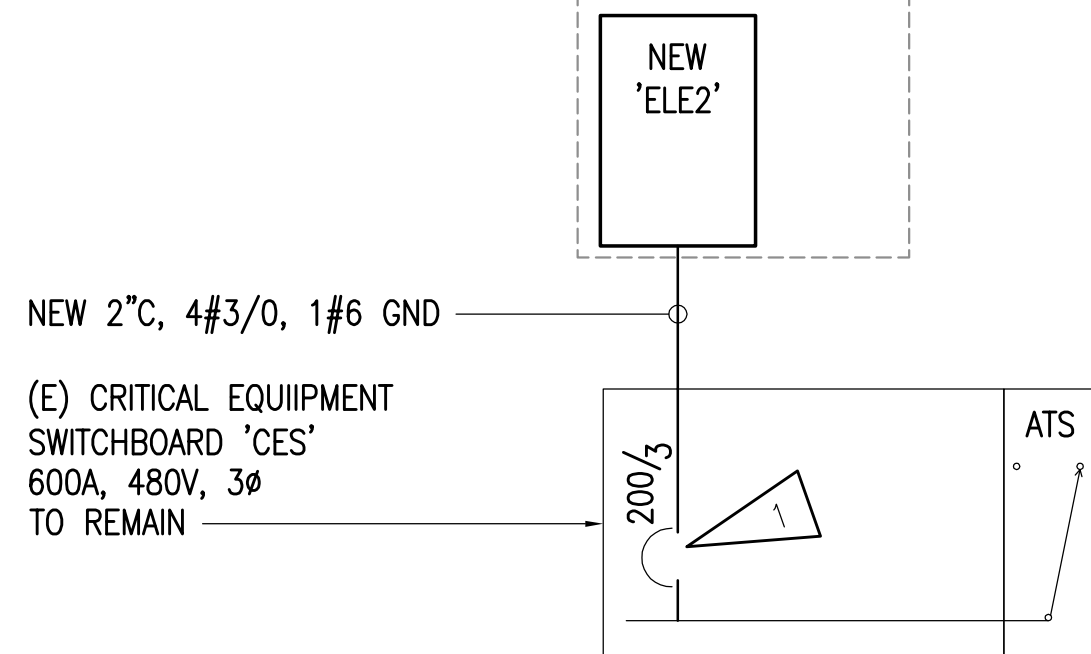
SHEET:
E501



DETAIL NOTES:

- 1 PROVIDE NEW BREAKER IN EXISTING GE AV-LINE SWITCHBOARD. NEW BREAKER SHALL BE UL LISTED FOR OPERATION IN THE EXISTING SWITCHBOARD.
- 2 REPLACE EXISTING 30A/1P BREAKER WITH NEW 60A/2P BREAKER.
- 3 PROVIDE #10 EGC FROM GROUND BUSS IN PANEL '11' TO EXISTING PANELS '2NB' AND '2CC' PER NEC 517.14.
- 4 PROVIDE #10 EGC FROM GROUND BUSS IN PANEL '12' TO EXISTING PANELS '2NB' AND '2CC' PER NEC 517.14.
- 5 PROVIDE #10 EGC FROM SYSTEM 'A' GROUND BUS TO SYSTEM 'B' GROUND BUS.

MECHANICAL ROOM, SEE 1/E300.



ESTIMATED ELECTRICAL LOAD SUMMARY - (E)CRITICAL EQUIPMENT SWITCHBOARD 'CES'		
EXISTING CRITICAL EQUIPMENT SWITCHBOARD 'CES'		
600A, 480/277V, 3PH, 4W		
PEAK DEMAND HISTORY USING POWER ANALYZER (12/02/2016 - 1/02/2017) 195.99 kVA		
PEAK LOAD PER NEC 220.87(2) (125%) 244.99 kVA		
SAFETY FACTOR (125%) 306.23 kVA		
ESTIMATED DEMAND LOAD		369 AMPS
ESTIMATED EXISTING LOADS REMOVED		
MOTOR LOADS		(21.12) kVA
ESTIMATED TOTAL LOADS REMOVED		(21.12) kVA (25) AMPS
NEW LOADS ADDED PANEL 'ELE2'		
MOTOR LOADS		95.77 kVA
25% OF LARGEST MOTOR LOAD		18.71 kVA
TOTAL PANEL 'ELE2' LOAD ADDED		114.48 kVA 138 AMPS
NEW CALCULATED DEMAND LOAD ON 'ELE2'		481 AMPS
EXISTING PANEL CAPACITY		600 AMPS
SPARE CAPACITY		119 AMPS
EXISTING CRITICAL EQUIPMENT SWITCHBOARD 'CES' HAS CAPACITY FOR NEW AND EXISTING LOADS.		

1 PARTIAL POWER ONE-LINE DIAGRAM
 NO SCALE



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DRAWING TITLE:
PANEL SCHEDULES

SHEET:
E701

MFR/MODEL: SQUARE 'D' TYPE NQOD		VOLTS: 120/208V,3PH,4W			ENCLOSURE: NEMA 1			100 A							
NOTE	CIRC	POLE	AMPS	VOLT-AMPS			MTG: SURFACE								
				A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE			
d.	1	1	20	(E)RECP DICT232, SOIL 238			RECP	360							
a.	3	1	20	(E) 2ND FLOOR CONTROLS											
a.	5	1	20	(E) 2ND FLOOR CONTROLS											
a.	7	1	20	(E) 2ND FLR DOCHSE/NURSE AREA											
a.	9	1	20	(E) OR RECP/BLANKET WARM											
a.	11	1	20	(E) HWC FOR STERILIZER											
a.	13	1	20	(E) DISTILLED W/PMP FOR LAB					4860						
a.	15	1	20	(E) PHARMACY AREA						4140					
a.	17	1	20	(E) LGHTS ROOM 203											
a.	19	1	20	(E) SD-13 SUMP PUMP											
a.	21	2	30	(E) STERIS BSTER PMP/OR-1 AIR/VA											
a.	23	2	30	AA											
a.	25	1	-	SPACE					2800						
a.	27	1	-	SPACE						2800					
a.	29	1	-	SPACE											

PANEL NOTES:
a. UNKNOWN EXISTING LOADS.
b. DISCONNECT OR#1 PANEL CIRCUIT FROM BREAKER AND RENAME TO (E) SPARE.
c. SEE 1/E701 FOR CIRCUIT BREAKER SIZE.
d. NEW LOADS ADDED.
e. REVISE CIRCUIT DESIGNATION LABEL

MFR/MODEL: GENERAL ELECTRIC TYPE LAB		VOLTS: 120/208V,3PH,4W			ENCLOSURE: NEMA 1			225 A							
NOTE	CIRC	POLE	AMPS	VOLT-AMPS			MTG: RECESSED								
				A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE			
a	1	1	20	(E) LIGHTING											
a	3	1	20	(E) LIGHTING											
a	5	1	20	(E) LIGHTING											
a	7	1	20	(E) DISTILLER CONTROL											
a	9	1	20	(E) RECP STER ROOM											
a	11	1	20	(E) NORTH STER CONTROL											
a	13	1	20	(E) RECP ON CALL					720						
a	15	1	20	(E) RECP											
a	17	1	20	(E) RECP OR ENTRY											
a	19	1	20	(E) EF-3											
a	21	1	20	(E) EF-2 CONTROL POWER											
a	23	1	20	(E) OR#2 MOP CLOSET GFI											
a	25	1	20	(E) UNKNOWN					1080						
a	27	2	45	(E) CLEANER											
a	29	2	45	AA											
a	31	1	20	(E) RECP RADIOLOGY					720						
a	33	1	20	(E) RECP RADIOLOGY											
a	35	1	20	(E) SPARE TO BOX OVER PNL											
a	37	3	40	(E) STERILIZER											
a	39	3	40	AAA											
a	41	3	40	AAA											

PANEL NOTES:
a. UNKNOWN EXISTING LOADS.
b. PROVIDE NEW 20A/1P CIRCUIT BREAKER FOR NEW LOADS.
c.
d.
e.

MFR/MODEL: SQUARE 'D' TYPE NQOD		VOLTS: 120/208V,3PH,4W			ENCLOSURE: NEMA 1			100 A							
NOTE	CIRC	POLE	AMPS	VOLT-AMPS			MTG: SURFACE								
				A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE			
a.	1	1	15	(E) REC 107 KET FREEZER											
a.	3	1	20	(E) REC 107 KET REFRIG											
a.	5	1	20	(E)REC116, CENT MECH SM P&DIRT CWS LGHT RECP						120		LTG	AC INTERIOR LIGHTS		
a.	7	1	20	(E) TELEPHONE CIRCUIT											
a.	9	1	20	(E) CONTROL CIRCUIT RM 116											
a.	11	1	20	(E) SMOKE DAMPERS						84		MOTR	GT-1		

PANEL NOTES:
a. UNKNOWN EXISTING LOADS.
b. PROVIDE NEW 20A/1P CIRCUIT BREAKER FOR NEW LOADS.
c. USE EXISTING SPARE 20A/1P BREAKER FOR NEW LOADS.

MFR/MODEL: SQUARE 'D' TYPE NH1B		VOLTS: 277/480V,3PH,4W			ENCLOSURE: NEMA 1			100 A							
NOTE	CIRC	POLE	AMPS	VOLT-AMPS			MTG: SURFACE								
				A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE			
a,b	1	3	15	(E) TC COMPR											
a,b	1	3	15	AAA											
a,b	1	3	15	AAA											
a	3	3	15	(E) RF-1											
a	3	3	15	AAA											
a	3	3	15	AAA											
a	5	3	15	(E) COOLER COMPR.											
a	5	3	15	AAA											
a	5	3	15	AAA											
b.	7	3	20	(E) SPARE											
b.	7	3	20	AAA											
b.	7	3	20	AAA											
a	9	3	-	SPACE											
a	9	3	-	AAA											
a	9	3	-	AAA											

PANEL NOTES:
a. UNKNOWN EXISTING LOADS.
b. REVISE CIRCUIT DESIGNATION LABEL

MFR/MODEL: GENERAL ELECTRIC TYPE NLAB		VOLTS: 120/208V,3PH,4W			ENCLOSURE: NEMA 1			225 A							
NOTE	CIRC	POLE	AMPS	VOLT-AMPS			MTG: RECESSED								
				A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE			
	1	1	20	(E) RECP 808 TRIAGE											
	3	1	20	(E) LGT 800 & 808											
	5	1	20	(E) LGT 800 & 808											
	7	1	20	(E) LIGHTING											
	9	1	20	(E) LIGHTING											
	11	1	20	SPACE											
	13	1	20	(E) MDE #1 TELEMETRY											
	15	1	20	(E) EXAM LGTS 801-804											
	17	1	20	RECP 801											
	19	1	20	RECP 801											
	21	1	20	RECP 802											
	23	1	20	RECP 802						900					
	25	1	20	RECP 803									1,080		
	27	1	20	RECP 603											
	29	1	20	RECP 804 TUB RM											

MFR/MODEL: GENERAL ELECTRIC TYPE NLAB		VOLTS: 120/208V,3PH,4W			ENCLOSURE: NEMA 1			225 A							
NOTE	CIRC	POLE	AMPS	VOLT-AMPS			MTG: RECESSED								
				A	B	C	TYPE	SERVICE	AMPS	POLE	CIRC	NOTE			
	31	1	20	(E) RECP SP CARE											
	33	1	20	(E) RECP SP CARE MONITOR											
	35	1	20	(E) SPARE											
	37	2	40	(E) SPARE											
	39	2	40	AA											
	41	1	-	SPACE											
	43	1	-	SPACE											
	45	1	-	SPACE											
	47	1	-	SPACE											
	49	1	20	(E) SPARE TO 801											
	51	1	20	(E) RECP N.S.											
	53	1	20	(E) RECP N.S.											
	55	2	60	(E) SPARE											
	57	2	60	AA											
	59	1	-	SPACE											

PANEL NOTES:
a. USE EXISTING SPARE 20A/1P CIRCUIT BREAKER FOR NEW LOADS.
b.
c.
d.
e.

PANEL OPTIONS:
MAIN LUGS ONLY
PROVIDE WITH FEED-THRU LUGS (SECT. 1)

