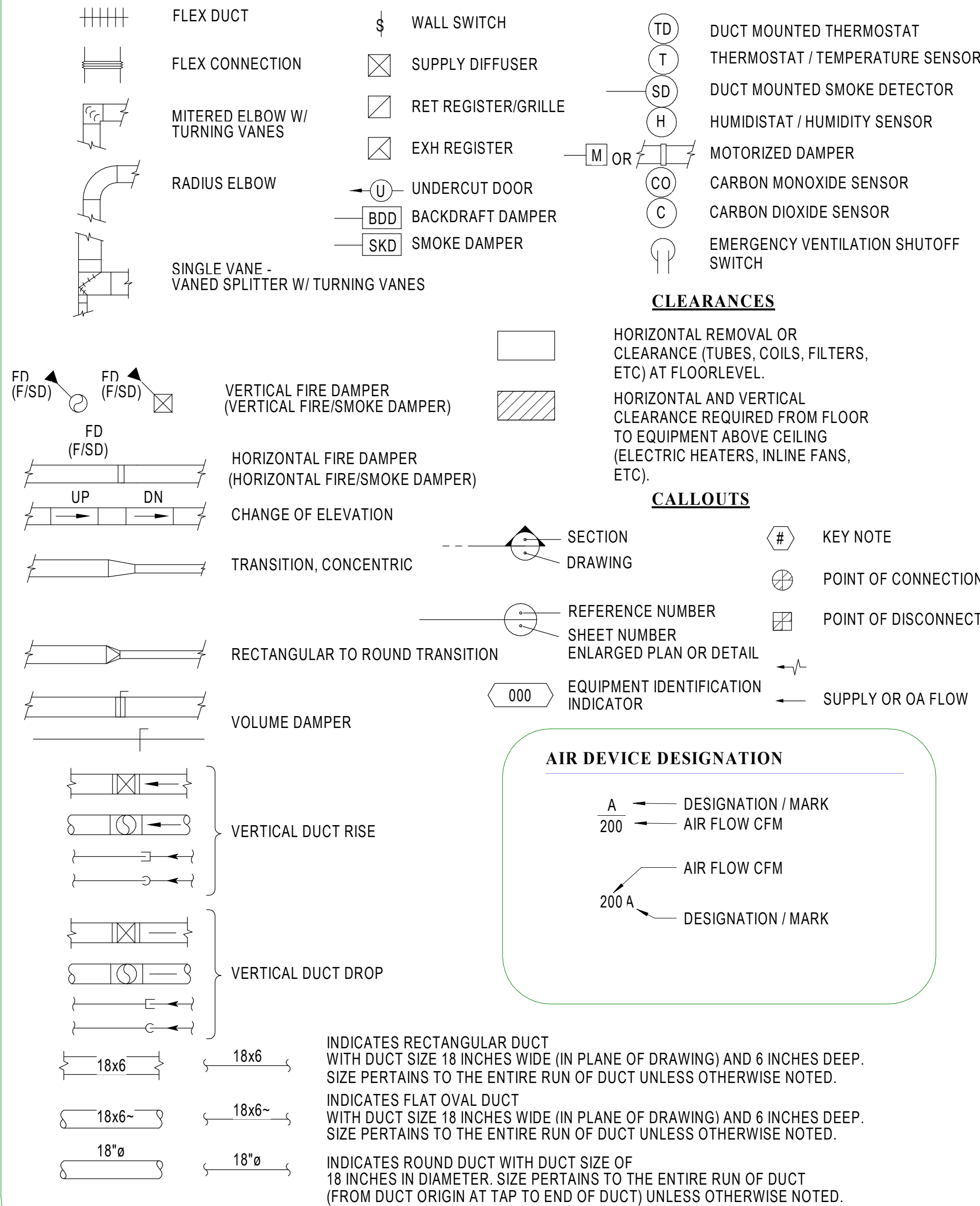


PLAN SYMBOLS



ABBREVIATIONS

ACH	AIR CHANGES PER HOUR	FD	FIRE DAMPER	OA	OUTSIDE AIR
AD	ACCESS DOOR	FMC	FACILITY MECH CONTRACTOR	OAT	OUTSIDE AIR TEMPERATURE
ADJ	ADJUSTABLE	FOB	FLOAT ON BOTTOM	OC	ON CENTER
AFF	ABOVE FINISHED FLOOR	FPM	FEET PER MINUTE		
AHU	AIR HANDLING UNIT	FPS	FEET PER SECOND	PD	PRESSURE DROP (FT OF H2O)
ALT	ALTITUDE	FT	FEET OR FOOT	PH	PHASE
ANSI	AMERICAN NAT. STD. INST.	GA	GAGE OR GAUGE	PMC	PROCESS MECH CONTRACTOR
		GAL	GALLON	PSI	POUNDS PER SQUARE INCH
		GBD	GRAVITY BACKDRAFT DAMPER	PVC	POLYVINYL CHLORIDE
		GPM	GALLONS PER MINUTE		
BAS	BUILDING AUTOMATION SYSTEM	HOA	HAND-OFF-AUTOMATIC SWITCH	QTY	QUANTITY
BBD	BACKDRAFT DAMPER	HP	HORSEPOWER	RA	RETURN AIR
BHP	BRAKE HORSEPOWER	HR	HOUR	RH	RELATIVE HUMIDITY
BOD	BOTTOM OF DUCT			RM	REVOLUTIONS PER MINUTE
BOU	BOTTOM OF LOUVER				
BTU	BRITISH THERMAL UNIT PER HOUR	IN.	INCHES	SA	SUPPLY AIR
		IN. WG	INCHES OF WATER GAUGE	SD	SMOKE DETECTOR
CD	CONDENSATE DRAIN LINE	KW	KILOWATTS	SEER	SEASONAL ENERGY EFF. RATIO
CFM	CUBIC FEET PER MINUTE	LAT	LEAVING AIR TEMPERATURE	SF	SQUARE FEET
DB	DRY BULB TEMPERATURE	LBS	POUNDS	SP	STATIC PRESSURE (" OF H2O)
DDC	DIRECT DIGITAL CONTROL	LBSHR	POUNDS PER HOUR	SS	STAINLESS STEEL
DEG	DEGREES				
DIA	DIAMETER	M&H	MAXIMUM	TBD	TO BE DETERMINED
DN	DOWN	MBH	BTU PER HOUR (THOUSAND)	TEMP	TEMPERATURE
DWG	DRAWING	MCA	MINIMUM CIRCUIT AMPS	TSP	TOTAL STATIC PRESSURE
DX	DIRECT EXPANSION	MCC	MOTOR CONTROL CENTER	Typ	TYPICAL
(E)	EXISTING	MD	MOTORIZED DAMPER		
EA	EACH	MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
EAT	ENTERING AIR TEMPERATURE	MISC	MISCELLANEOUS		
EER	ENERGY EFFICIENCY RATIO	MOCP	MAX OVER-CURRENT PROTECTION	V	VOLT
EL	ELEVATION	MVD	MAXIMUM VOLUME DAMPER	VV	VARIABLE AIR VOLUME
ESP	EXTERNAL STATIC PRESSURE			VFD	VARIABLE FREQUENCY DRIVE
EWT	ENTERING WATER TEMPERATURE	N.C.	NORMALLY CLOSED		
		NIC	NOT IN CONTRACT		
		NO.	NUMBER	W	WATTS
F	FAHRENHEIT	N.O.	NORMALLY OPEN	WB	WET BULB
FCWS	FLUID COOLER WATER SUPPLY	NTS	NOT TO SCALE		
FCWR	FLUID COOLER WATER RETURN				

SEE MECHANICAL SYMBOLS, LEGENDS AND EQUIPMENT SCHEDULES FOR ADDITIONAL ABBREVIATIONS.
SOME ABBREVIATIONS, SYMBOLS, OR LEGENDS SHOWN ON THIS DRAWING MAY NOT BE USED ON TO THIS PROJECT.

SEISMIC DESIGN REQUIREMENTS

CATEGORY-A: SEISMIC DESIGN CATEGORY FOR THIS PROJECT IS CATEGORY B. PER ASCE STANDARD, ASCE/SEI 7-05, CHAPTER 13, MECHANICAL AND ELECTRICAL COMPONENTS ARE EXEMPT AND REQUIRE NO SEISMIC SUPPORT OR SEISMIC BRACING.

OCCUPIED HEALTHCARE CONSTRUCTION REQUIREMENTS

1. ALL NEW WORK IS BEING DONE WITHIN AN ACTIVE HOSPITAL. ALL WORK PRODUCING DUST OR WORK THAT POSSES A RISK TO INFECTION TO PATIENTS SHALL BE PERFORMED PER THE HOSPITAL'S INFECTION RISK CONTROL PROTOCOL. WORK WITHIN PATIENT CARE AREAS WILL REQUIRE AT A MINIMUM TEMPORARY BARRIERS WITH NEGATIVE AIR MACHINES TO BE UTILIZED ENSURING CONFINEMENT OF ALL DUST.
2. THE AREAS BELOW THE NEW BOILER PLANT IS AN ICU WING. WORK INVOLVING THE USE OF HEAVY TOOLS OR MACHINERY THAT COULD CAUSE VIBRATION SHOULD BE DONE IN COORDINATION WITH THE HOSPITAL STAFF ON OFF HOURS.
3. THE CONTRACTOR SHALL PLAN AND COORDINATE ALL WORK WITH THE HOSPITAL'S INFECTION CONTROL STAFF.

GENERAL NOTES

1. ANY DIFFERENCE BETWEEN THE APPLICABLE CODES, DRAWINGS, AND SPECIFICATIONS; THE MORE STRINGENT REQUIREMENTS SHALL APPLY. THE PLANS AND SPECIFICATIONS SHALL NOT BE MISCONSTRUED AS PERMISSION TO VIOLATE PUBLISHED CODES AND STANDARDS.
2. MECHANICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT TO COMPLETE ALL MECHANICAL (HVAC AND PLUMBING) WORK AS SHOWN AND DESCRIBED WITHIN THE CONTRACT DOCUMENTS (PLANS, SPECIFICATIONS, SUBCONTRACT AGREEMENT) AND PERFORM SUCH WORK AS MAY BE REASONABLY INFERRED FROM THE CONTRACT DOCUMENTS AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM.
3. THE SCHEDULED EQUIPMENT REPRESENTS THE BASIS OF DESIGN. THE MECHANICAL DRAWINGS (HVAC AND PLUMBING) AND PLANS ARE DIAGRAMMATIC AND ARE BASED ON THE MANUFACTURER'S MODEL NUMBER OF THE MECHANICAL EQUIPMENT AND DEVICES AS SCHEDULED. IN INSTANCES WHERE THE CONTRACTOR HAS SUBMITTED AND THE ENGINEER OF RECORD HAS ACCEPTED EQUIPMENT OTHER THAN THE BASIS OF DESIGN, THE CONTRACTOR SHALL PROVIDE FOR ALL REQUIRED CHANGES TO ACCOMMODATE THE SUBSTITUTION FROM ANY INVOLVED TRADE, INCLUDING (BUT NOT LIMITED TO) ELECTRICAL SERVICE, STRUCTURAL FRAMING, ROOF SUPPORT, SERVICE ACCESSIBILITY, AND SPACE REQUIREMENTS.
4. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING THAT IS BEING REUSED OR CONNECTED TO. THE ENGINEER HAS REVIEWED THE EXISTING DRAWINGS, BUT THE PIPING SHOWN IS NOT EXHAUSTIVE, AND FIELD CONDITIONS SHALL BE VERIFIED.
5. ALL NEW PIPING SHALL BE PRESSURE TESTED TO ENSURE TIGHT CONSTRUCTION.
6. NEW HEATING WATER PIPING SHALL BE FLUSHED PRIOR TO CONNECTION TO ANY EXISTING SYSTEM. THE CONTRACTOR SHALL PROVIDE TEMPORARY PUMPS, CHEMICALS, AND A PLAN TO ENSURE NEW PIPE IS CLEAN PRIOR TO CONNECTING TO THE EXISTING SYSTEMS.
7. REFER TO LIFE SAFETY PLANS FOR WALL, CEILING AND FLOOR FIRE RATINGS. PROVIDE RATED FIRE DAMPERS OF THE APPROPRIATE FIRE RATING FOR THE INSTALLED LOCATION. ALL PENETRATIONS THROUGH THE FIRE RATED ASSEMBLIES SHALL COMPLY WITH SECTIONS OF THE APPLICABLE BUILDING CODE.
8. ALL PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF INCLUDING (BUT NOT LIMITED TO) PIPING, AND VENTS SHALL BE CAULKED MOISTURE AND AIR TIGHT.
9. MECHANICAL CONTRACTORS SHALL DEVELOP COMPLETE COORDINATION SHOP DRAWINGS OR BUILDING INFORMATION MODEL AS DIRECTED BY THE CONTRACT THAT IDENTIFIES MECHANICAL EQUIPMENT, DUCTWORK AND PIPING, EQUIPMENT PADS AND PLATFORMS, DRAINS, ETC.
10. ALL ROOF MOUNTED EQUIPMENT SHALL BE SUPPORTED ON AND PROPERLY SECURED TO FIELD FABRICATED OR FACTORY SUPPLIED ROOF CURBS SECURED TO ROOF STRUCTURE TO CARRY ALL WIND AND SEISMIC FORCES (SEISMIC ZONE B).
11. INSTALL ALL EQUIPMENT AND ASSOCIATED SYSTEMS IN ACCORDANCE WITH THE PRODUCT MANUFACTURER'S INSTALLATION RECOMMENDATIONS INCLUDING SERVICE AND CODE CLEARANCES, ALONG WITH UL LISTINGS.
12. ALL MATERIAL INCORPORATED INTO THE WORK ARE TO BE NEW, UNUSED, AND UNDamaged. ANY Damaged OR QUESTIONABLE MATERIAL IS TO BE REMOVED AND REPLACED AT NO COST TO OWNER.
13. MECHANICAL CONTRACTOR SHALL PROVIDE ALL REQUIRED DUCTWORK ACCESSORIES INCLUDING BUT NOT LIMITED TO HANGERS, SUPPORTS, ANCHORS, FASTENERS, TRANSITIONS, OFF-SETS, TURNING VENTS, REINFORCEMENT, MITERED BRANCH TAKE-OFFS, SPIN-IN FITTINGS, MANUAL VOLUME DAMPERS, CONTROL DAMPERS, FIRE AND SMOKE DAMPERS, FLEXIBLE CONNECTORS, STAND-OFFS, DIFFUSERS, REGISTERS, GRILLES, OPPOSED BLADE DAMPERS, PLENUMS, SLEEVES, COLLARS, SPRING ISOLATORS, AND ACCESS PANELS.
14. PROVIDE A 4" THICK CONCRETE HOUSEKEEPING PAD UNDER EACH FLOOR OR AT GRADE-MOUNTED PIPE OF EQUIPMENT. HOUSEKEEPING PAD SHALL EXTEND BEYOND EQUIPMENT FOOTPRINT IN ALL-FOUR DIRECTIONS. COORDINATE SIZE AND LOCATION OF PAD WITH EQUIPMENT PURCHASED. PROVIDE 45-DEGREE CHAMFERED EDGES ON PAD.
15. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL WALL CONTRACTORS TO ENSURE ALL WALL OPENINGS ARE PROPERLY FRAMED AND INSTALLED WITH REQUIRED CLEARANCES.
16. DIVISION 23 SHALL PROVIDE ALL CONTROL WIRING, LOW VOLTAGE WIRING, CONTROL CONDUITS, CONTROL DEVICES INCLUDING T-SLOTS, DAMPER INTERLOCKS REMOTE SWITCHES, ETC. ALL CONTROL WIRING TO BE LOW VOLTAGE UNLESS NOTED OTHERWISE.

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING.
- CONTRACTOR SHALL COORDINATE WORK TO MINIMIZE SHUTDOWNS. ALL SHUTDOWNS SHALL BE COORDINATED WITH THE HOSPITAL STAFF PRIOR TO COMMENCING WORK.
- WHERE DEMOLITION OCCURS IN PATIENT AREAS, THE CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRIERS, AND A METHOD FOR DUST REMOVAL, COORDINATE WITH HOSPITAL INFECTION CONTROL STAFF FOR SPECIFIC REQUIREMENTS.

KEYED NOTES

- DEMOLISH EXISTING STEAM CONDENSATE LINE SERVING SC-17 AS REQUIRED TO RECONNECT DRAIN TO NEW CONDENSATE LINE REFER TO M101
- DEMOLISH EXISTING STEAM CONDENSATE LINE SERVING AHU-19 AS REQUIRED TO RECONNECT DRAIN TO NEW CONDENSATE LINE REFER TO M101
- DEMOLISH EXISTING STEAM CONDENSATE LINE SERVING A-WING AS REQUIRED TO RECONNECT TO NEW CONDENSATE RETURN LINE REFER TO M101
- DEMOLISH EXISTING STEAM CONDENSATE LINE SERVING BG014 AS REQUIRED TO RECONNECT TO NEW CONDENSATE LINE REFER TO M101
- DEMOLISH EXISTING STEAM CONDENSATE LINE SERVING EXISTING RETURN PUMP PPP-3 AS REQUIRED TO RECONNECT TO NEW CONDENSATE LINE REFER TO M101
- EXISTING 6" STEAM CONDENSATE LINE SHALL BE REUSED FOR BOILER FEED WATER TO THE 8TH FLOOR. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STEAM CONDENSATE CONNECTIONS HAVE BEEN REMOVED, AND REROUTED TO NEW CONDENSATE RETURN LINE.

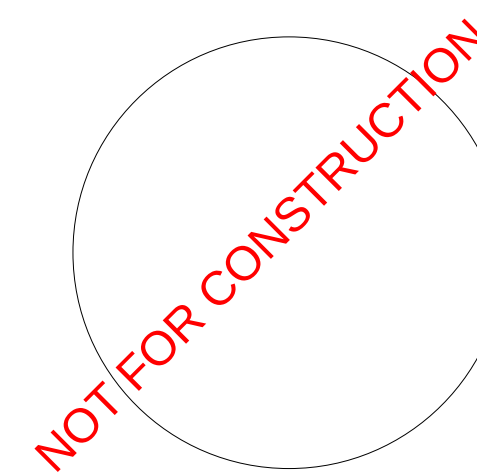
ENGINEER OF RECORD:



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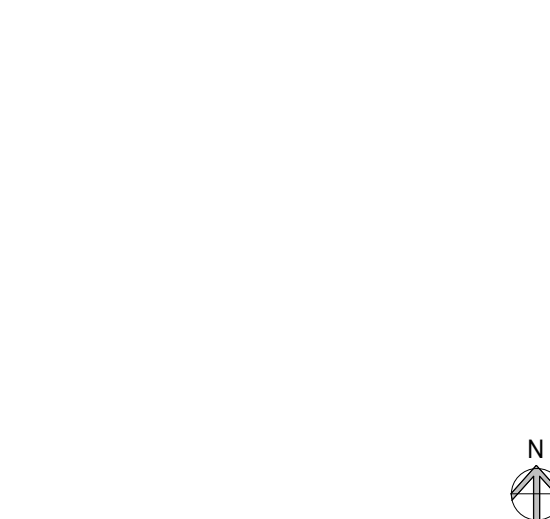
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No.	REVISION / ISSUE	DATE

KEY PLAN:



ADDRESS
80 JESSE HILL JR
DR SE
ATLANTA, GA
30303

CLIENT
GRADY MEMORIAL HOSPITAL
PROJECT
BOILER PLANT REPLACEMENT

THE
BASEMENT FLOOR PLAN - STEAM PIPING -
DEMOLITION

JOB NUMBER
25-014

DRAWN BY
Author

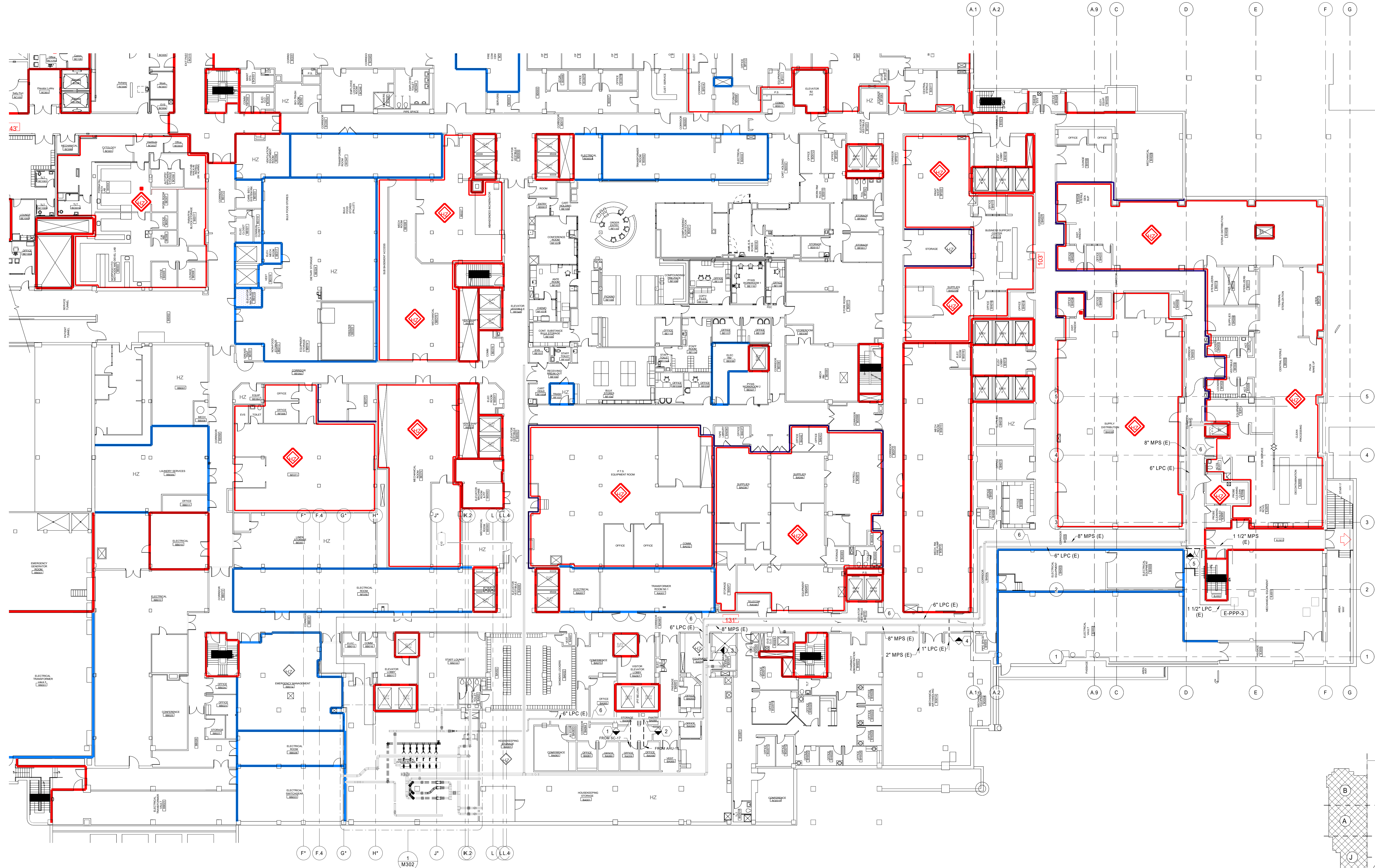
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DATE
10/16/25

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MD101



1 BASEMENT FLOOR - MECHANICAL PIPING - DEMOLITION
1/16" = 1'-0"

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Addendum 001-01 (Client Change) - Steam Replacement (25-01014) - RFP - 10/16/25

GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING.
- CONTRACTOR SHALL COORDINATE WORK TO MINIMIZE SHUTDOWNS. ALL SHUTDOWNS SHALL BE COORDINATED WITH THE HOSPITAL STAFF PRIOR TO COMMENCING WORK.
- WHERE DEMOLITION OCCURS IN PATIENT AREAS, THE CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRIERS, AND A METHOD FOR DUST REMOVAL, COORDINATE WITH HOSPITAL INFECTION CONTROL STAFF FOR SPECIFIC REQUIREMENTS.

KEYED NOTES

- DEMOLISH EXISTING 3" MEDIUM PRESSURE STEAM LINE SERVING THE CLINICS HEAT EXCHANGERS.
- DEMOLISH EXISTING STEAM UNIT HEATER.
- DEMOLISH EXISTING STEAM HEAT EXCHANGERS SERVING THE CLINICS HEATING WATER SYSTEM.
- DEMOLISH EXISTING ROOF DRAIN AS REQUIRED TO ACCOMMODATE NEW STEAM BOILER. RECONNECT TO EXISTING VERTICAL DROP.
- ACCOMMODATE NEW STEAM BOILER. REFER TO FIRE PROTECTION DRAWINGS FOR NEW PIPING.
- EXISTING DOMESTIC WATER HEATER SHALL REMAIN. COORDINATE ANY SHUTDOWNS WITH THE OWNER. CONTRACTOR MAY TEMPORARILY CONNECT THE WATER HEATER TO THE CLINICS HEATING WATER STEAM LINE TO MINIMIZE SHUTDOWN.
- EXISTING MEDICAL VACUUM SYSTEM SHALL REMAIN.
- CAP AND SEAL PIPE AFTER DEMOLITION.
- CONTRACTOR SHALL PRICE AN ALTERNATE FOR REPLACING THE DOMESTIC WATER HEAT EXCHANGER AND PUMP SKID. REFER TO NEW DRAWINGS FOR ALTERNATE REPLACEMENT UNIT.

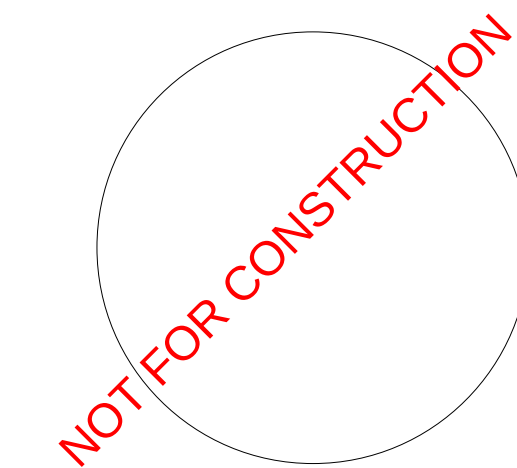
ENGINEER OF RECORD:



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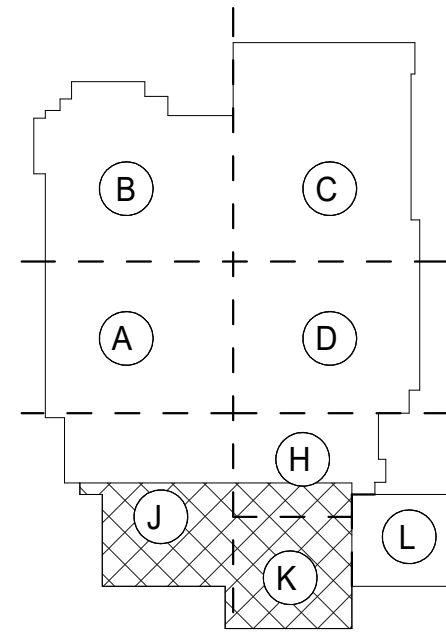
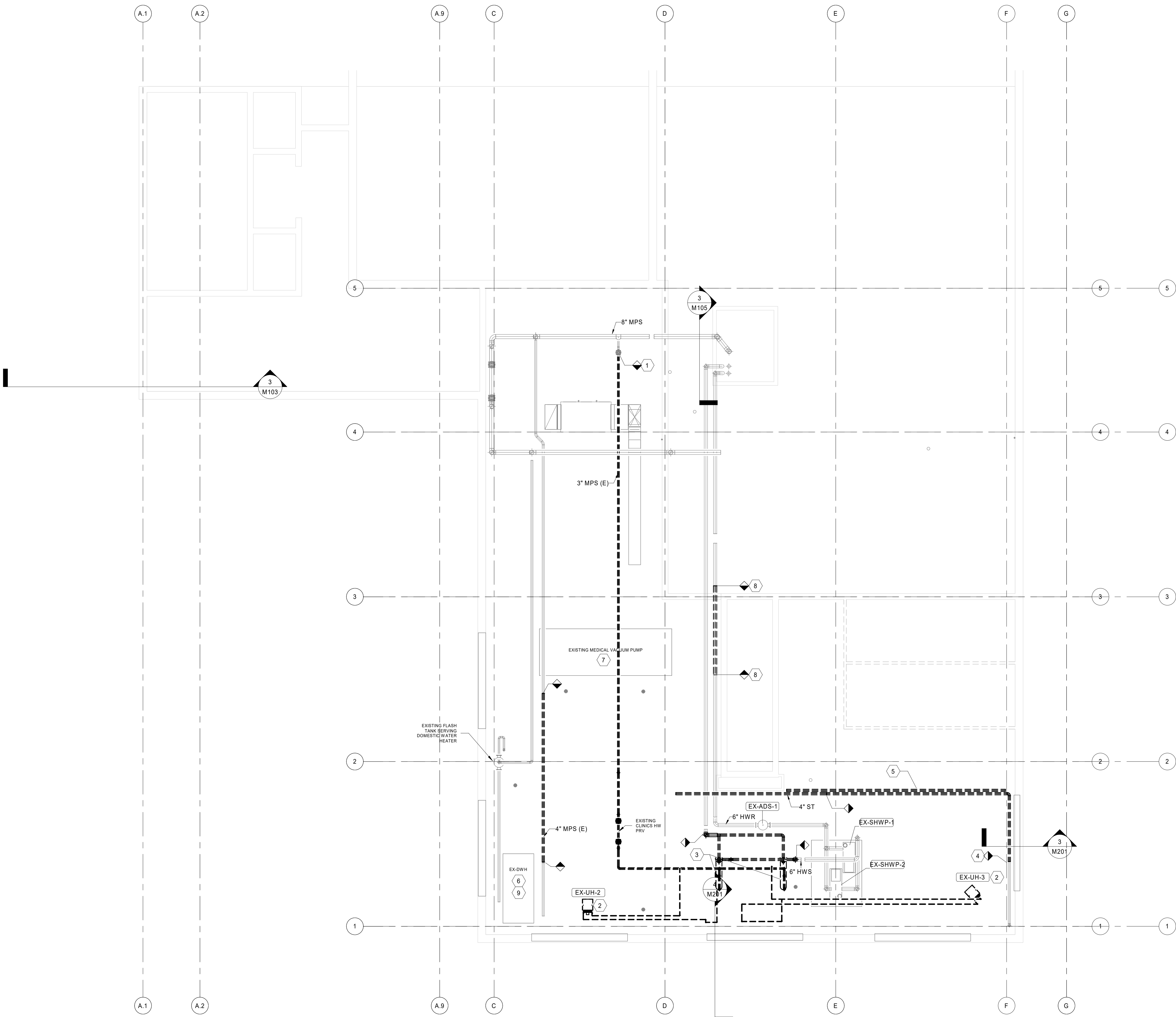
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COUNTY	ADDRESS 80 JESSE HILL JR DR SE ATLANTA, GA 30303	CITY	PROJECT GRADY MEMORIAL HOSPITAL BOILER PLANT REPLACEMENT	TITLE 8TH FLOOR PLAN - MECHANICAL - DEMOLITION
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JOB NUMBER 25-014	DATE 10/16/25
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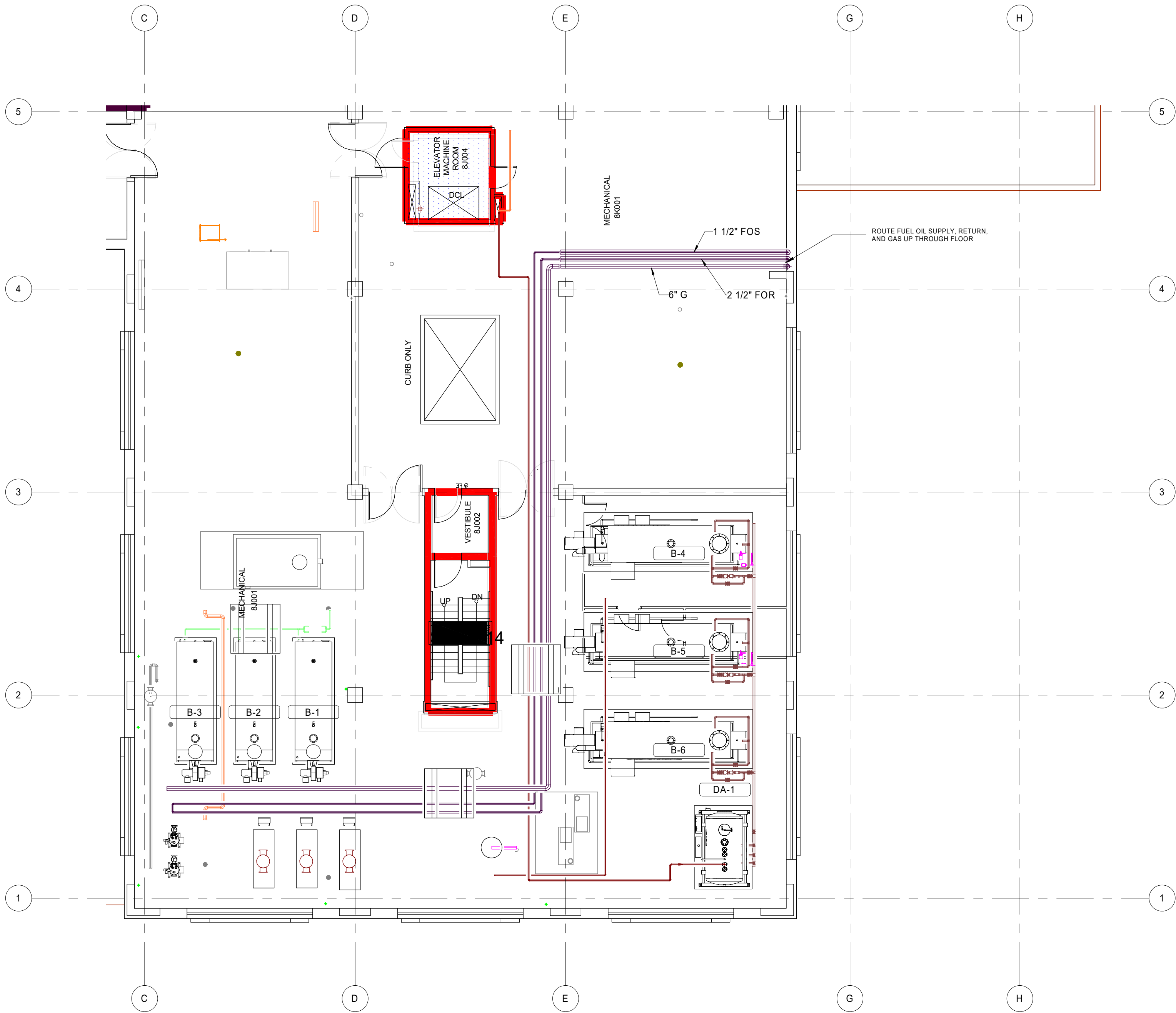


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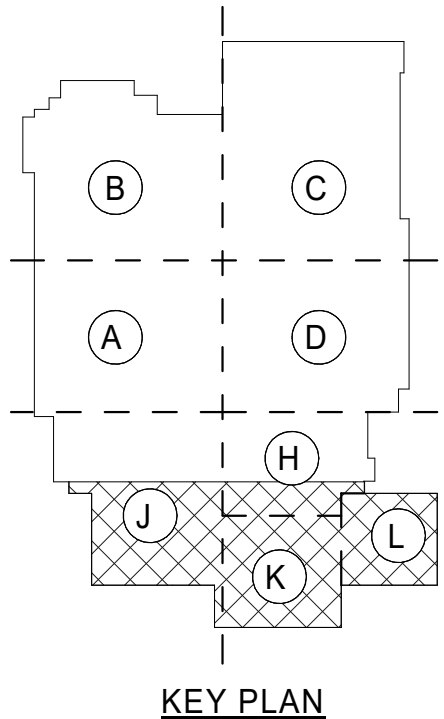
8TH FLOOR - MECHANICAL PIPING - DEMOLITION

1/8" = 1'-0"

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1 8TH FLOOR - FUEL OIL AND GAS
1" = 10'-0"



ENGINEER OF RECORD:



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COUNTY

PROJECT

GRADY MEMORIAL HOSPITAL
BOILER PLANT REPLACEMENT

COUNTY

TITLE

FUEL OIL SYSTEM - OPTIONS 8TH FLOOR

JOB NUMBER

25-014

DATE

10/16/25

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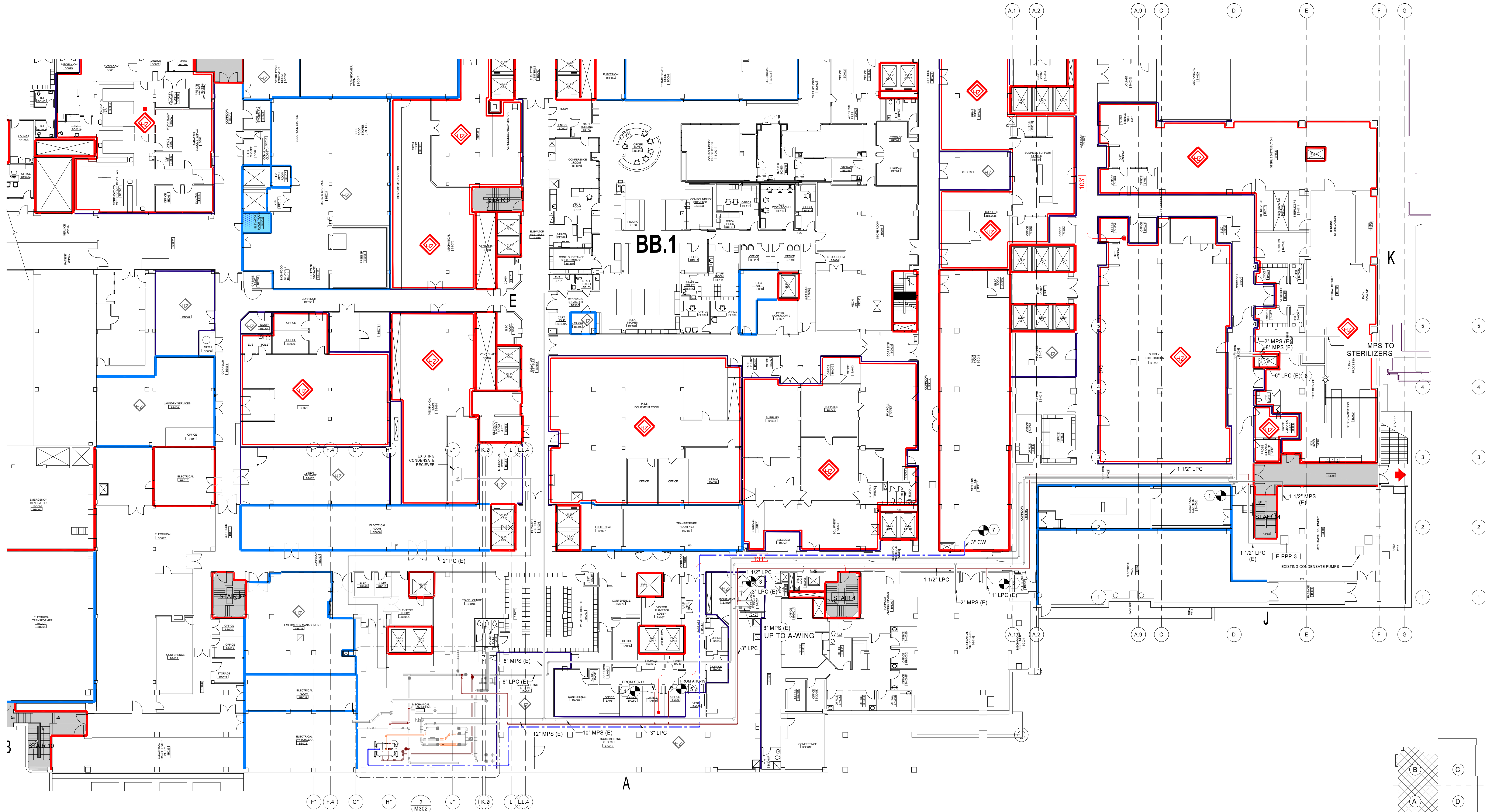
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1 BASEMENT FLOOR - MECHANICAL PIPING - NEW
1/16" = 1'-0"

- KEYED NOTES**
1. CONNECT 1-1/2" EXISTING CONDENSATE RETURN LINE FROM PPP-3 TO NEW 1-1/2" CONDENSATE RETURN LINE IN CORRIDOR. CONTRACTOR SHALL CONFIRM ALL PUMPED CONDENSATE FROM EXISTING MECHANICAL ROOM IS ROUTED TO NEW PUMPED CONDENSATE LINE.
 2. CONNECT 1" EXISTING CONDENSATE RETURN LINE FROM MECHANICAL ROOM BG014 TO NEW 1-1/2" CONDENSATE RETURN LINE IN CORRIDOR.
 3. CONNECT 3" EXISTING CONDENSATE RETURN LINE FROM A-WING TO NEW 3" CONDENSATE RETURN LINE.
 4. CONNECT 1" EXISTING CONDENSATE RETURN LINE FROM SC-17 TO NEW 3" CONDENSATE RETURN LINE.
 5. CONNECT 1" EXISTING CONDENSATE RETURN LINE FROM AHU-19 TO NEW 3" CONDENSATE RETURN LINE.
 6. EXISTING 8" PUMPED CONDENSATE LINE SHALL REMAIN AND BE REUSED FOR FEEDWATER RETURN TO NEW BOILER PLANT.
 7. CONNECT 3" DOMESTIC COLD WATER LINE TO EXISTING COLD WATER HEADER IN MECHANICAL ROOM BG013.

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CLIENT:

GRADY MEMORIAL HOSPITAL
80 JESSE HILL JR
DR SE
ATLANTA, GA
30303

PROJECT:

BOILER PLANT REPLACEMENT

TITLE:

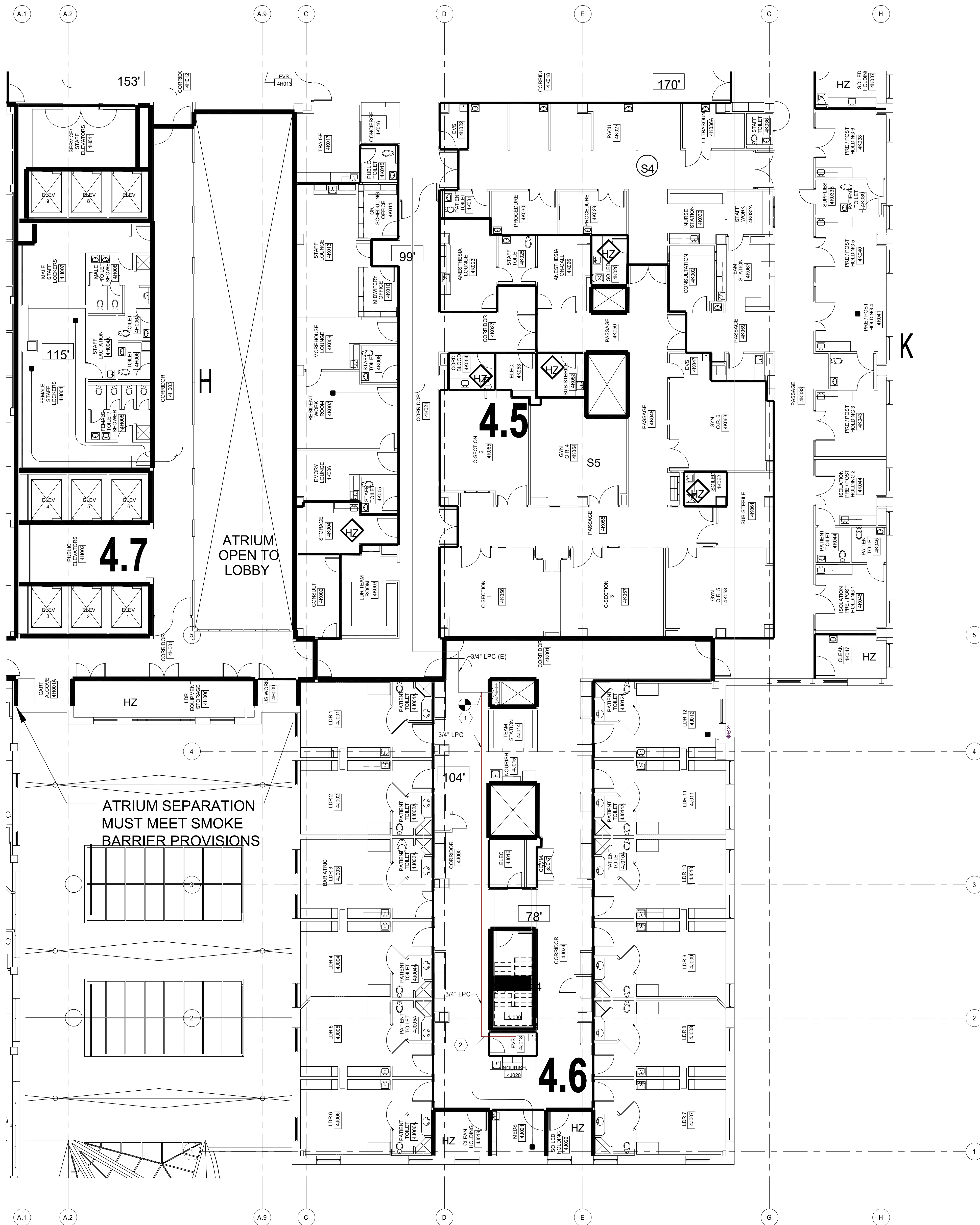
BASEMENT FLOOR PLAN - MECHANICAL PIPING - NEW

JOB NUMBER:	DATE:
25-014	10/16/25

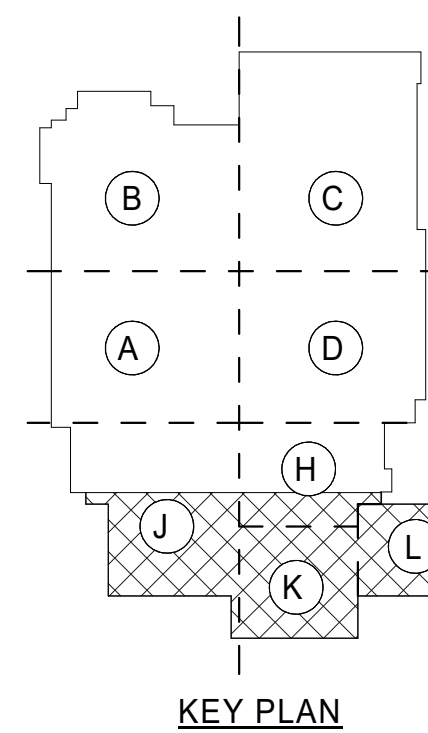
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1 4TH FLOOR - MECHANICAL PIPING - CLINICS CONDENSATE MODIFICATIONS
1" = 10'-0"



KEYED NOTES

- CONNECT TO EXISTING 3/4" GRAVITY CONDENSATE LINE ON THE 4TH FLOOR, AND ROUTE TO EXISTING EVS CLOSET.
- ROUTE NEW 3/4" GRAVITY STEAM CONDENSATE TO EVS CLOSET. INSTALL DRAIN COOLER AND CONNECT NEARBY DOMESTIC COLD WATER TO TEMPER CONDENSATE. ROUTE TEMPERED CONDENSATE TO JANITOR SINK.

NOTE

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PROJECT
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TITLE

4TH FLOOR PLAN - MECHANICAL PIPING - CLINICS

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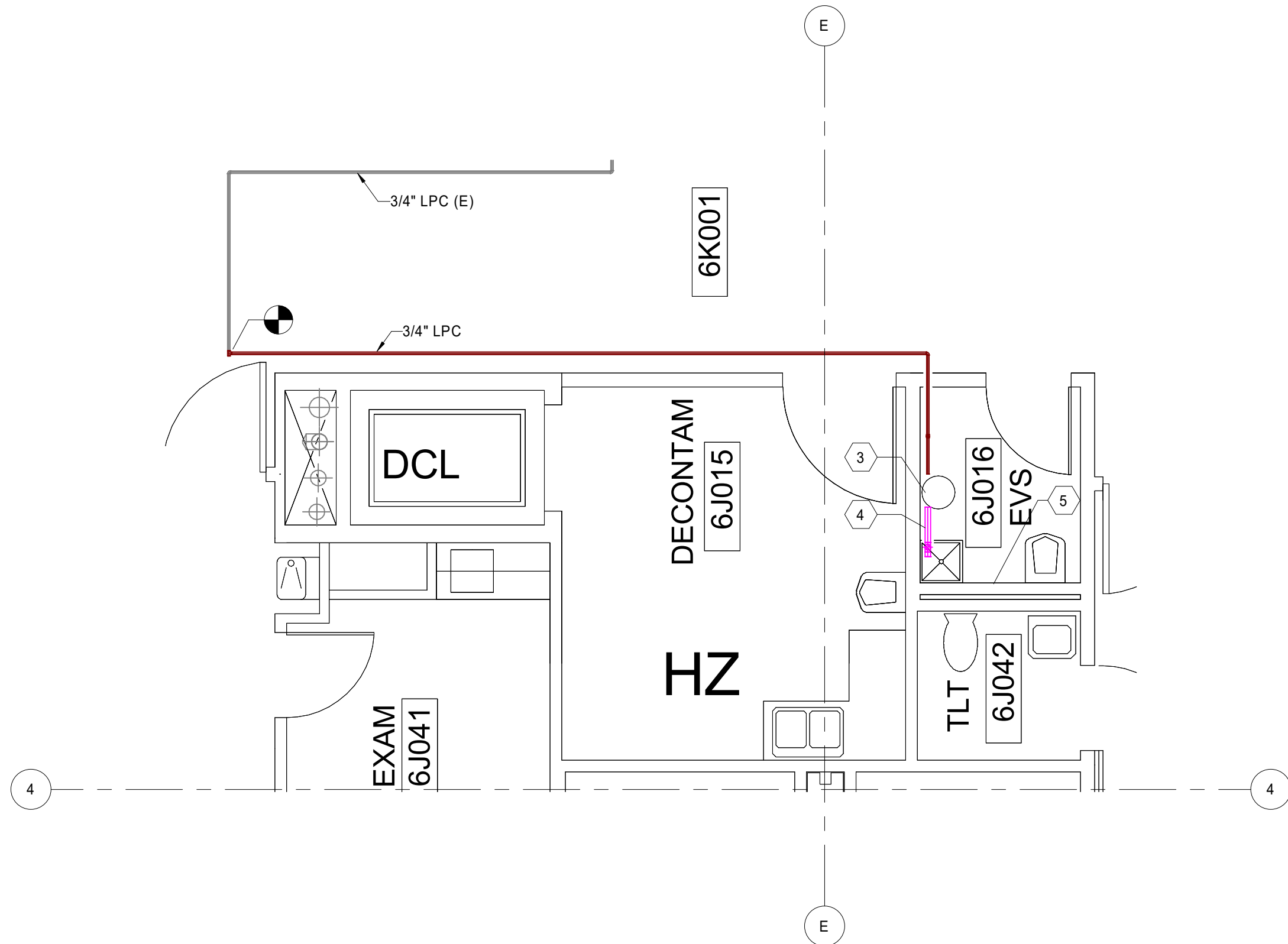
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As of 10/16/2024, the design is preliminary and subject to change without notice. The design is for informational purposes only and does not constitute a contract. The design is not to be used for construction without the approval of the engineer of record.

6TH FLOOR - MECHANICAL PIPING - CLINICS CONDENSATE MODIFICATIONS

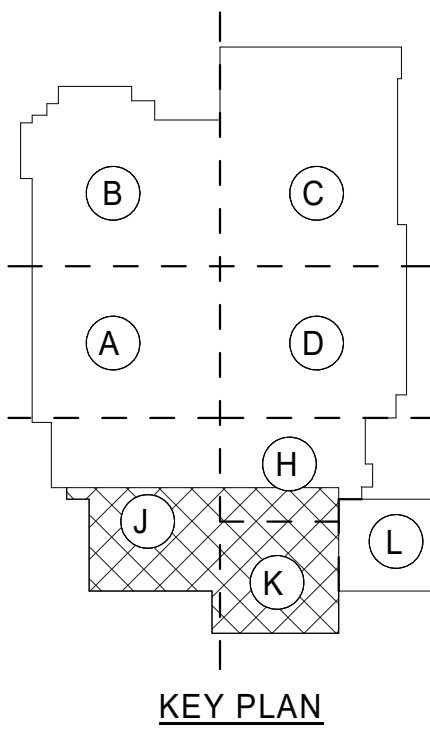


- KEYED NOTES**
- 3/4" STEAM CONDENSATE RETURN FROM HUMIDIFIERS AND 15 PSIG STEAM MAIN TRAPS
 - REROUTE CONDENSATE DRAIN TO EVS CLOSET DRAIN COOLER
 - PROVIDE CONDENSATE DRAIN COOLER EQUAL TO SPIREX SARCO JC210-FC315R-10
 - ROUTE 2" DRAIN TO JANITOR SINK, AND DISCHARGE TO DRAIN
 - CONNECT NEW 3/4" DOMESTIC COLD WATER TO CONDENSATE DRAIN COOLER. PROVIDE BACKFLOW PREVENTER.



6TH FLOOR - MECHANICAL PIPING - CLINICS CONDENSATE MODIFICATIONS - ENLARGED PLAN

1/4" = 1'-0"



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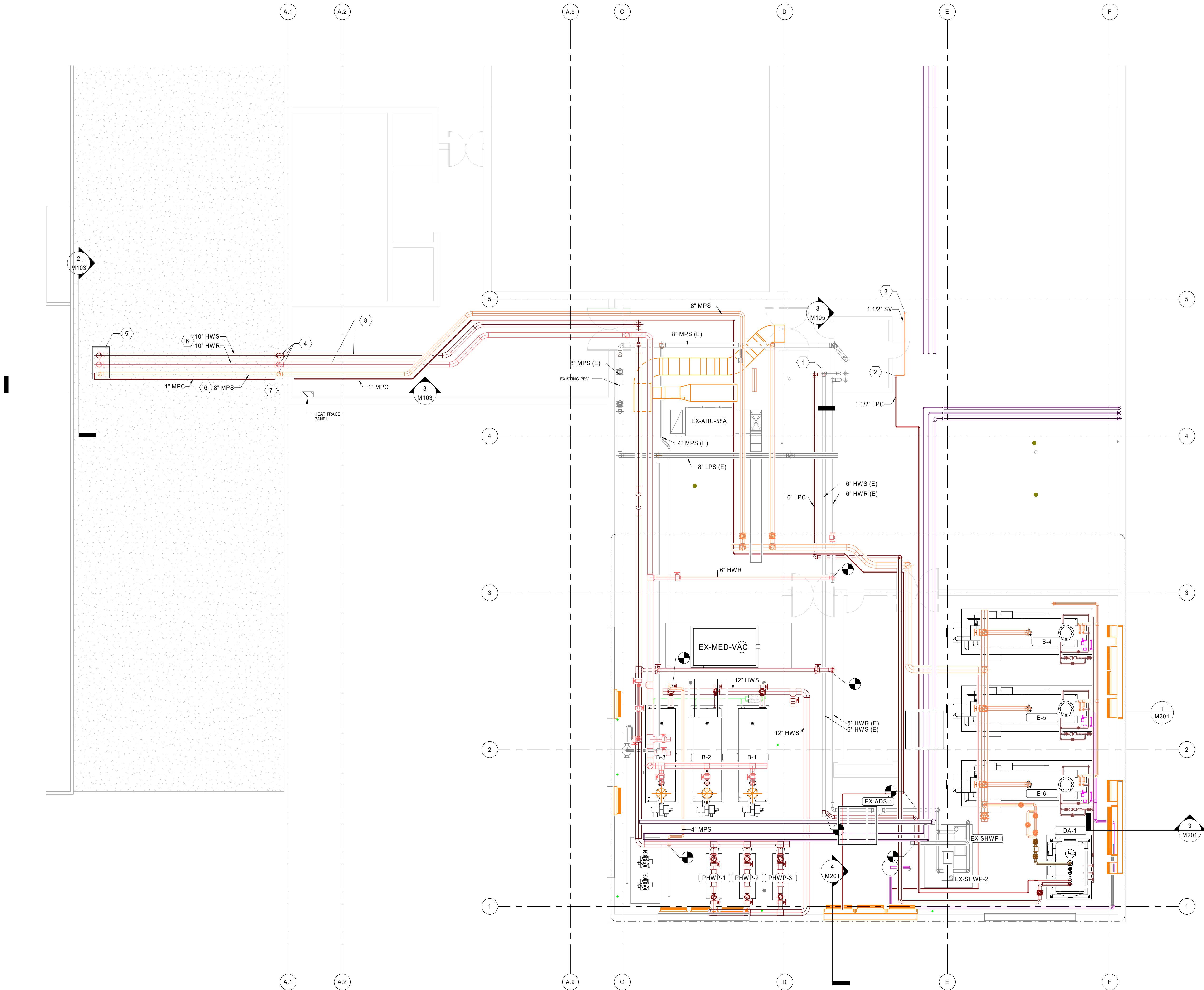
CITY: 80 JESSE HILL JR
DR SE
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30303

GRADY MEMORIAL HOSPITAL
PROJECT: BOILER PLANT REPLACEMENT

TITLE: 6TH FLOOR PLAN - MECHANICAL PIPING - CLINICS

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1 8TH FLOOR - MECHANICAL PIPING - NEW
1/8" = 1'-0"

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING.
2. CONTRACTOR SHALL COORDINATE WORK TO MINIMIZE SHUTDOWNS. ALL SHUTDOWNS SHALL BE COORDINATED WITH THE HOSPITAL STAFF PRIOR TO COMMENCING WORK.
3. ALL STEAM PIPING SHALL BE SLOPED IN THE DIRECTION OF STEAM FLOW, AND TRAPPED AT REGULAR INTERVALS.
4. PROVIDE ANCHORS ON STEAM PIPE AT REGULAR INTERVALS.
5. PROVIDE EXPANSION JOINTS IN STEAM AND HOT WATER PIPING WHERE REQUIRED.

KEYED NOTES

1. 6" PUMPED CONDENSATE LINE FROM 7TH FLOOR.
2. 1-1/2" PUMPED CONDENSATE AND 1-1/2" STEAM VENT FROM 7TH FLOOR.
3. ROUTE STEAM VENT UP THROUGH ROOF.
4. ROUTE NEW MEDIUM PRESSURE STEAM, HOT WATER SUPPLY, AND HOT WATER RETURN THROUGH EXTERIOR WALL, AND OUT TO ROOF. PROVIDE LINKSEAL IN EXTERIOR WALL AT EACH PENETRATION.
5. ROOF PENETRATION HOUSING EQUIVALENT TO RPH'S INSULATED AWI VAULT.
6. PROVIDE HEAT TRACING FOR ALL EXTERIOR PIPING ROUTED ALONG ROOF.
7. INSTALL DRIP LEG AT BOTTOM OF STEAM RISER.
8. PROVIDE DIFFERENTIAL PRESSURE SENSOR FOR HEATING WATER PLANT.

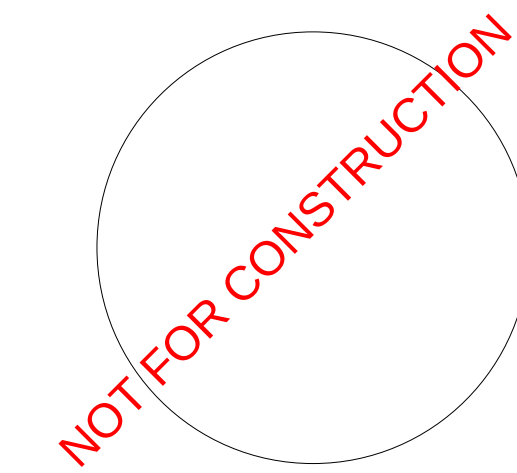
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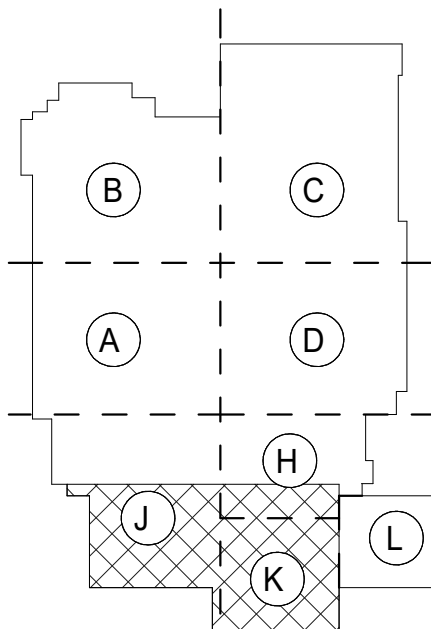
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PROJECT
BOILER PLANT REPLACEMENT

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25-014
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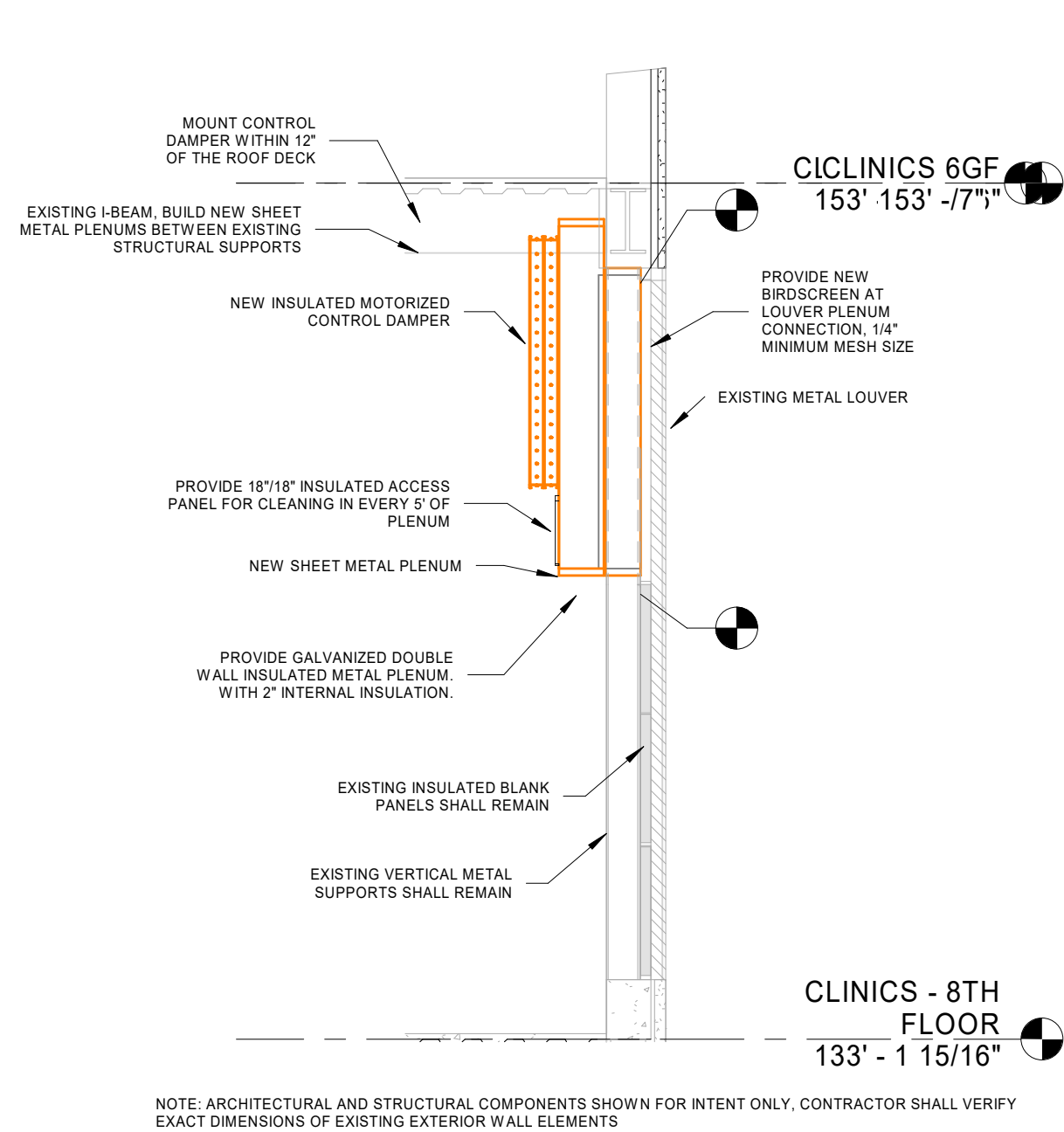
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8TH FLOOR PLAN - MECHANICAL PIPING - NEW

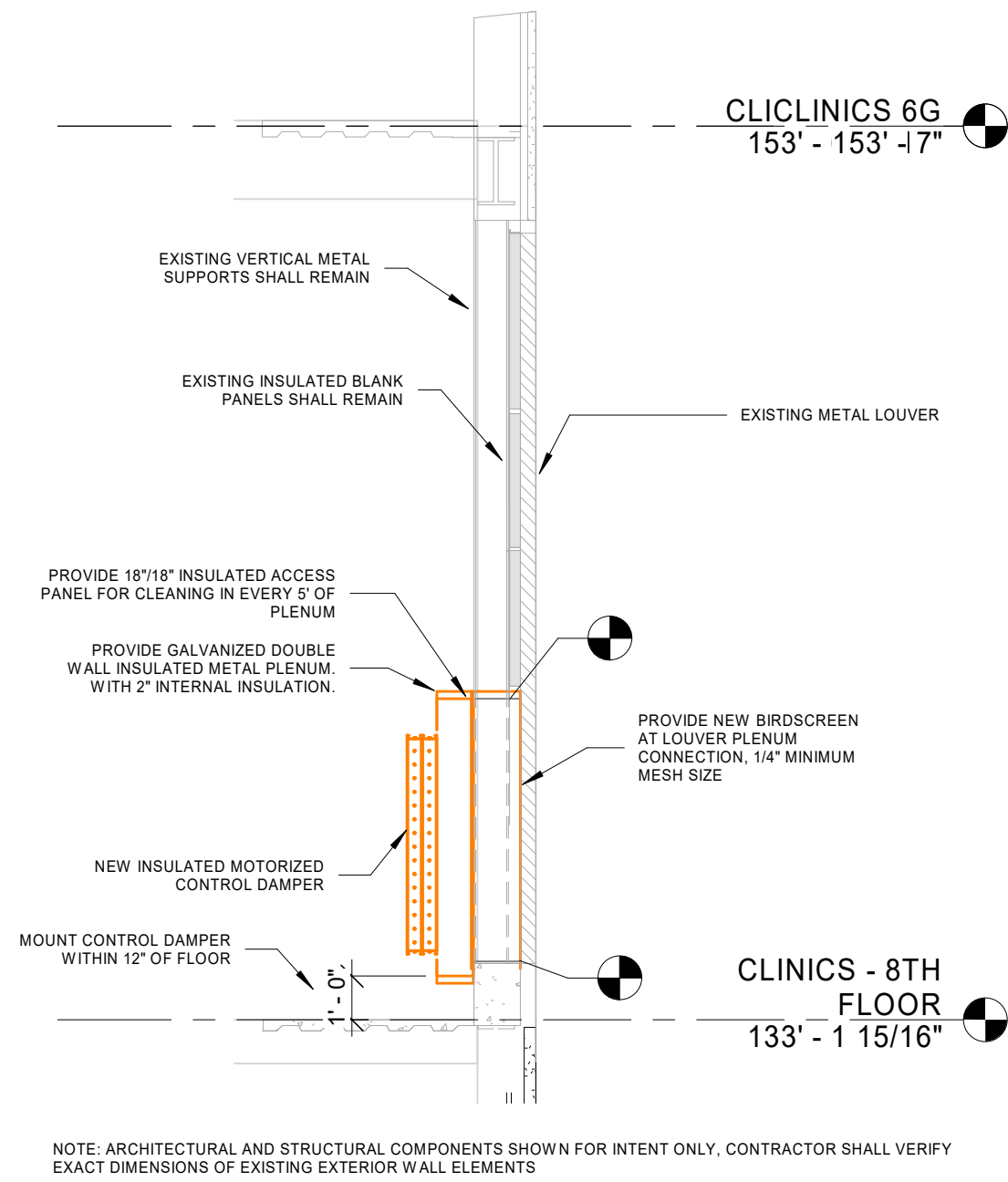


KEY PLAN

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As of 10/16/2025 4:51:17 PM



NOTE: ARCHITECTURAL AND STRUCTURAL COMPONENTS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY EXACT DIMENSIONS OF EXISTING EXTERIOR WALL ELEMENTS



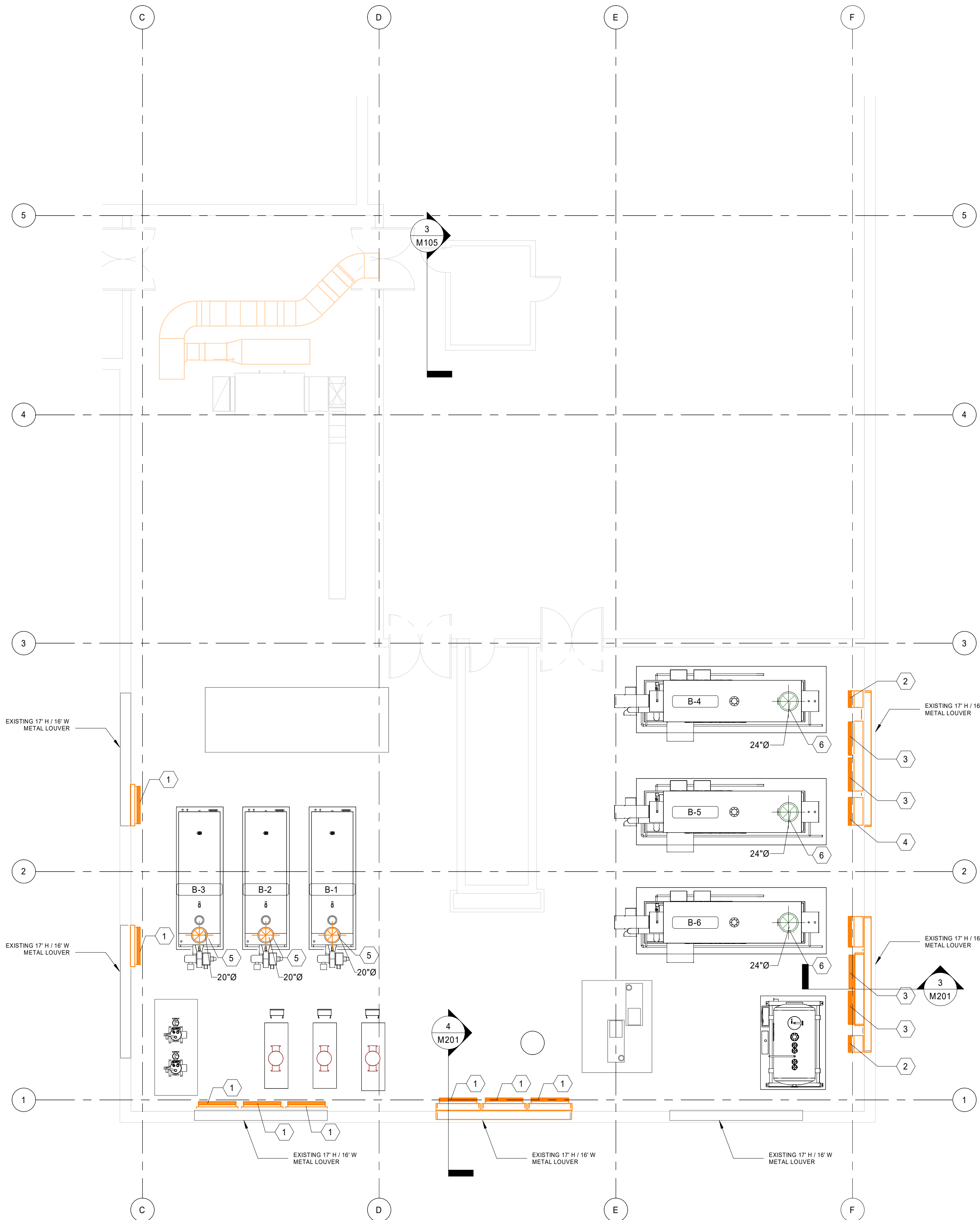
NOTE: ARCHITECTURAL AND STRUCTURAL COMPONENTS SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY EXACT DIMENSIONS OF EXISTING EXTERIOR WALL ELEMENTS

3 HIGH LOUVER ELEVATION

1/4" = 1'-0"

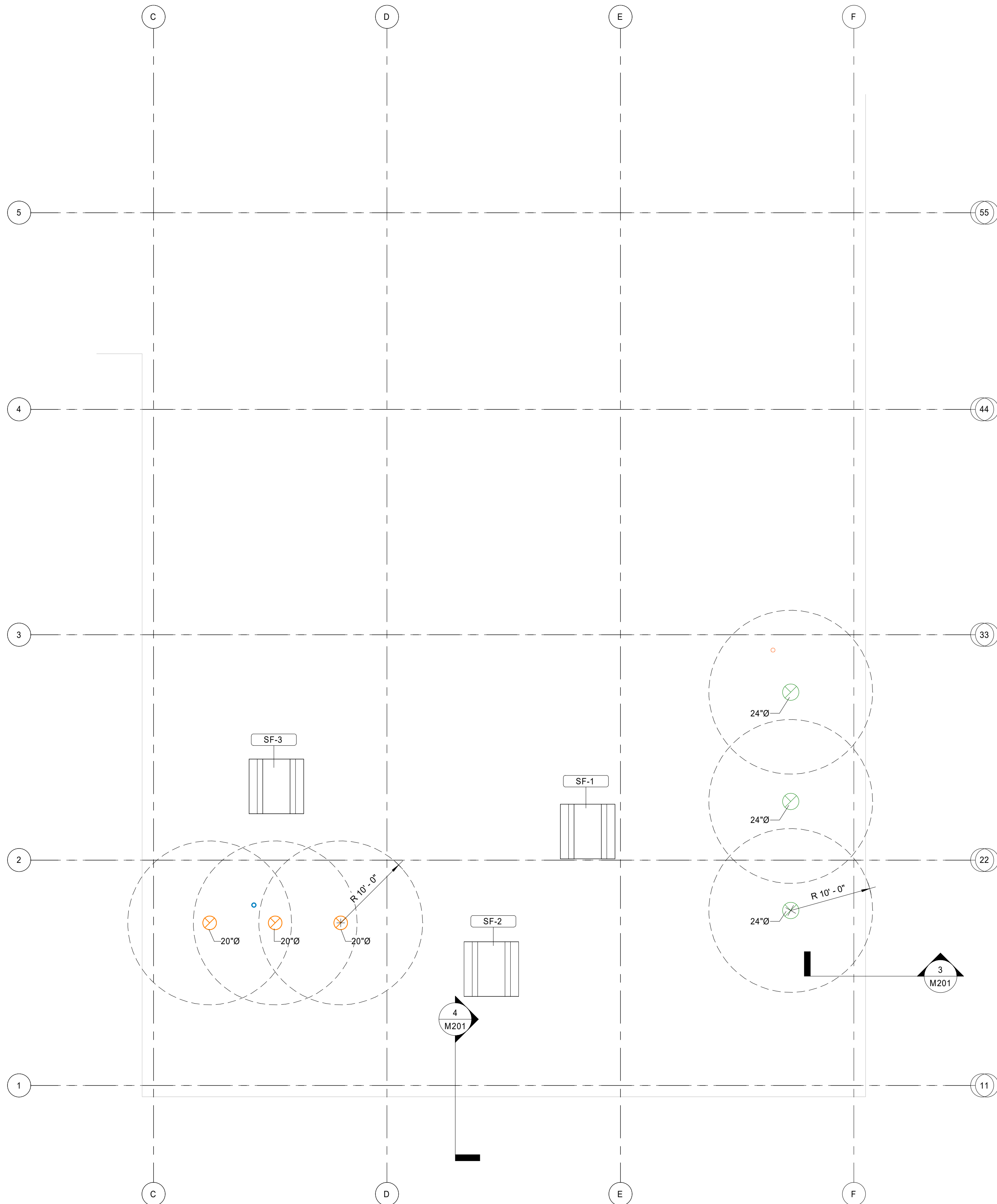
4 LOW LOUVER ELEVATION

1/4" = 1'-0"



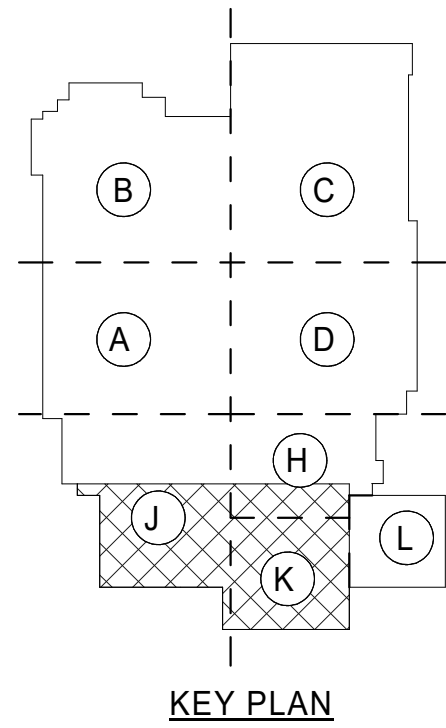
1 8TH FLOOR - HVAC DUCTWORK - NEW

1/8" = 1'-0"



2 8TH FLOOR CLINICS ROOF - NEW

1/8" = 1'-0"



KEY PLAN

KEYED NOTES

- 1 PROVIDE NEW LOW LOUVERED CONNECTION WITH INSULATED MOTORIZED CONTROL DAMPER. CONTROL DAMPER SHALL BE 4'-0" / 5'-0"
- 2 PROVIDE NEW HIGH LOUVERED CONNECTION WITH INSULATED MOTORIZED CONTROL DAMPER. CONTROL DAMPER SHALL BE 2'-0" / 5'-0"
- 3 PROVIDE NEW HIGH LOUVERED CONNECTION WITH INSULATED MOTORIZED CONTROL DAMPER. CONTROL DAMPER SHALL BE 4'-0" / 5'-0"
- 4 PROVIDE NEW HIGH LOUVERED CONNECTION WITH INSULATED MOTORIZED CONTROL DAMPER. CONTROL DAMPER SHALL BE 3'-4" / 5'-0"
- 5 ROUTE NEW 20" DOUBLE WALL STAINLESS FLUE FROM CONDENSING BOILER UP TO ROOF. PROVIDE THIMBLE TERMINATION ON ROOF.
- 6 ROUTE NEW 24" DOUBLE WALL STAINLESS FLUE FROM STEAM BOILER UP TO ROOF. PROVIDE THIMBLE TERMINATION ON ROOF.

ENGINEER OF RECORD:
Oakwell
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PITTSBURGH, PA 15219

NOTES:

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KEY PLAN:

ADDRESS
80 JESSE HILL JR
DR SE
ATLANTA, GA
30303

CITY
GRADY MEMORIAL HOSPITAL
PROJECT
BOILER PLANT REPLACEMENT

JOB NUMBER
25-014

DATE
10/16/25

DRAWN BY
Author

CHECKED BY
Checker

SCALE
As indicated

SHEET
M201

TITLE
8TH FLOOR PLAN - HVAC DUCTWORK - NEW

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING.
2. CONTRACTOR SHALL COORDINATE WORK TO MINIMIZE SHUTDOWNS. ALL SHUTDOWNS SHALL BE COORDINATED WITH THE HOSPITAL STAFF PRIOR TO COMMENCING WORK.
3. ALL STEAM PIPING SHALL BE SLOPED IN THE DIRECTION OF STEAM FLOW, AND TRAPPED AT REGULAR INTERVALS.
4. PROVIDE ANCHORS ON STEAM PIPE AT REGULAR INTERVALS.
5. PROVIDE EXPANSION JOINTS IN STEAM AND HOT WATER PIPING WHERE REQUIRED.

KEYED NOTES

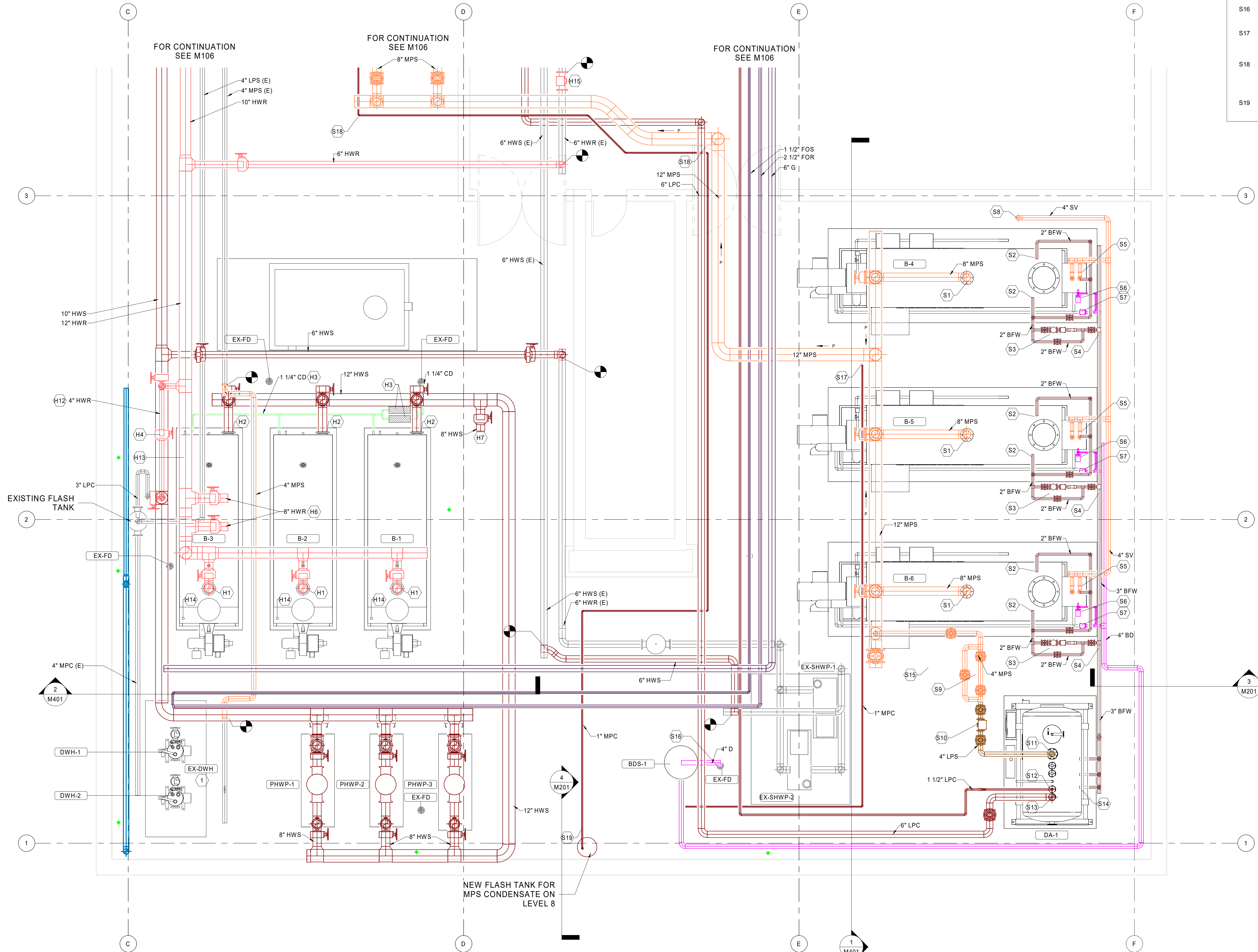
- (X) 1 CONTRACTOR SHALL PRICE AN ALTERNATE TO REPLACE THE EXISTING DOMESTIC WATER HEATER, AND RECIRCULATION PUMPS, RECONNECT TO MEDIUM PRESSURE STEAM, AND CONDENSATE DRAIN LOCATION.

HEATING WATER SYSTEM KEYED NOTES

- (X) H1 CONNECT 8" HOT WATER RETURN TO BOILER INLET.
H2 CONNECT 8" HOT WATER SUPPLY TO BOILER INLET.
H3 CONNECT BOILER CONDENSATE DRAIN TO NEUTRALIZATION KIT AND ROUTE TO FLOOR DRAIN. CONDENSATE SHALL SLOPE A MINIMUM OF ONE-PERCENT IN DIRECTION OF TERMINATION.
H4 PROVIDE 4" MINIMUM FLOW BYPASS VALVE. VALVE SHALL BE EQUAL TO BRAY 3" S19 SEGMENTED BALL VALVE.
H5 PROVIDE DIFFERENTIAL PRESSURE SENSOR FOR HEATING WATER PLANT.
H6 PROVIDE VALVES AND BLIND FLANGES FOR FUTURE HEAT PUMP CHILLER INSTALLATION.
H7 PROVIDE VALVE AND BLIND FLANGE FOR FUTURE HEAT PUMP CHILLER INSTALLATION.
H8 ROUTE 6" HWR TO CLINICS HEATING WATER SYSTEM.
H9 ROUTE 10" HWR TO GRADY MAIN HEATING WATER SYSTEM.
H10 ROUTE 6" HWS TO CLINICS HEATING WATER SYSTEM.
H11 ROUTE 10" HWS TO GRADY MAIN HEATING WATER SYSTEM.
H12 4" MINIMUM FLOW BYPASS ROUTED DIRECTLY OVER HWS.
H13 INSTALL FLOW METER IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND RECOMMENDATIONS, INCLUDING MINIMUM DISTANCE OF STRAIGHT PIPE BEFORE AND AFTER FLOW METER.
H14 INSTALL DRIP LEG IN GAS SUPPLY PIPING PRIOR TO CONNECTION TO BOILER.
H15 PROVIDE 6" MOTORIZED CONTROL VALVE ON HOT WATER RETURN FROM GRADY CLINICS HEATING WATER SYSTEM LOOP.

STEAM SYSTEM KEYED NOTES

- (X) S1 CONNECT 8" MEDIUM PRESSURE STEAM FROM BOILER TO 12" STEAM HEADER. PROVIDE GAT VALVE, AND BOILER NON-RETURN VALVE.
S2 CONNECT 2" BOILER FEEDWATER TO STACK ECONOMIZER.
S3 PROVIDE LINE SIZE BYPASS AND MOTORIZED CONTROL VALVE ASSEMBLY FOR BOILER FEED WATER.
S4 CONNECT 2" BOILER FEEDWATER TO 3" COMMON FEEDWATER SUPPLY LINE.
S5 CONNECT BOTH BOILER RELIEF VENTS TO COMMON 4" BOILER RELIEF VENT HEADER.
S6 CONNECT TO 1" TOP BLOWDOWN AND PROVIDE CONDUCTIVITY VALVE, AND ISOLATION VALVES.
S7 CONNECT TO 2" BOTTOM BLOWDOWN AND PROVIDE MOTORIZED CONTROL VALVE, AND ISOLATION VALVES.
S8 ROUTE 4" BOILER RELIEF VENT TO ROOF.
S9 PROVIDE NEW 3" PRESSURE REDUCING STATION FOR DEAIRATOR STEAM SUPPLY. STEP DOWN FROM 70PSIG TO 15 PSIG.
S10 PROVIDE 3" STEAM CONTROL VALVE FOR DEAIRATOR.
S11 CONNECT 4" LPS TO DEAIRATOR STEAM INLET.
S12 CONNECT 1-1/2" LOW PRESSURE CONDENSATE TO DEAIRATOR.
S13 CONNECT 6" BOILER FEEDWATER TO DEAIRATOR.
S14 CONNECT 2" DISCHARGE FROM BOILER FEEDWATER PUMPS (TYP. 3) TO 3" BOILER FEEDWATER HEADER.
S15 PROVIDE 12" VALVE AND BLIND FLANGE.
S16 ROUTE DRAIN FROM BLOWDOWN SEPARATOR AFTERCOOLER TO FLOOR DRAIN.
S17 PROVIDE THERMODYNAMIC STEAM TRAP AT LOW POINT IN SUPPLY HEADER, AND ROUTE CONDENSATE FROM STEAM HEADER DIRECTLY TO THE BLOWDOWN DRAIN PIPE.
S18 PROVIDE THERMODYNAMIC STEAM TRAP AT LOW POINT IN SUPPLY DISTRIBUTION. ROUTE CONDENSATE FROM STEAM DISTRIBUTION ON 6TH FLOOR TO THE GRAVITY CONDENSATE DRAIN ON THE 7TH FLOOR.
S19 ROUTE MEDIUM PRESSURE CONDENSATE TO FLASH TANK, AND THEN TO EXISTING CONDENSATE DRAIN THAT SERVED THE DEMOLISHED HEAT EXCHANGERS.



1 MECHANICAL PIPING - BOILER PLANT

1/4" = 1'-0"

NOTES:

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ADDRESS
80 JESSE HILL JR
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CLIENT
GRADY MEMORIAL HOSPITAL
PROJECT
BOILER PLANT REPLACEMENT

JOB NUMBER
25-014

DRAWN BY
Author

CHECKED BY
Checker

SCALE
1/4" = 1'-0"

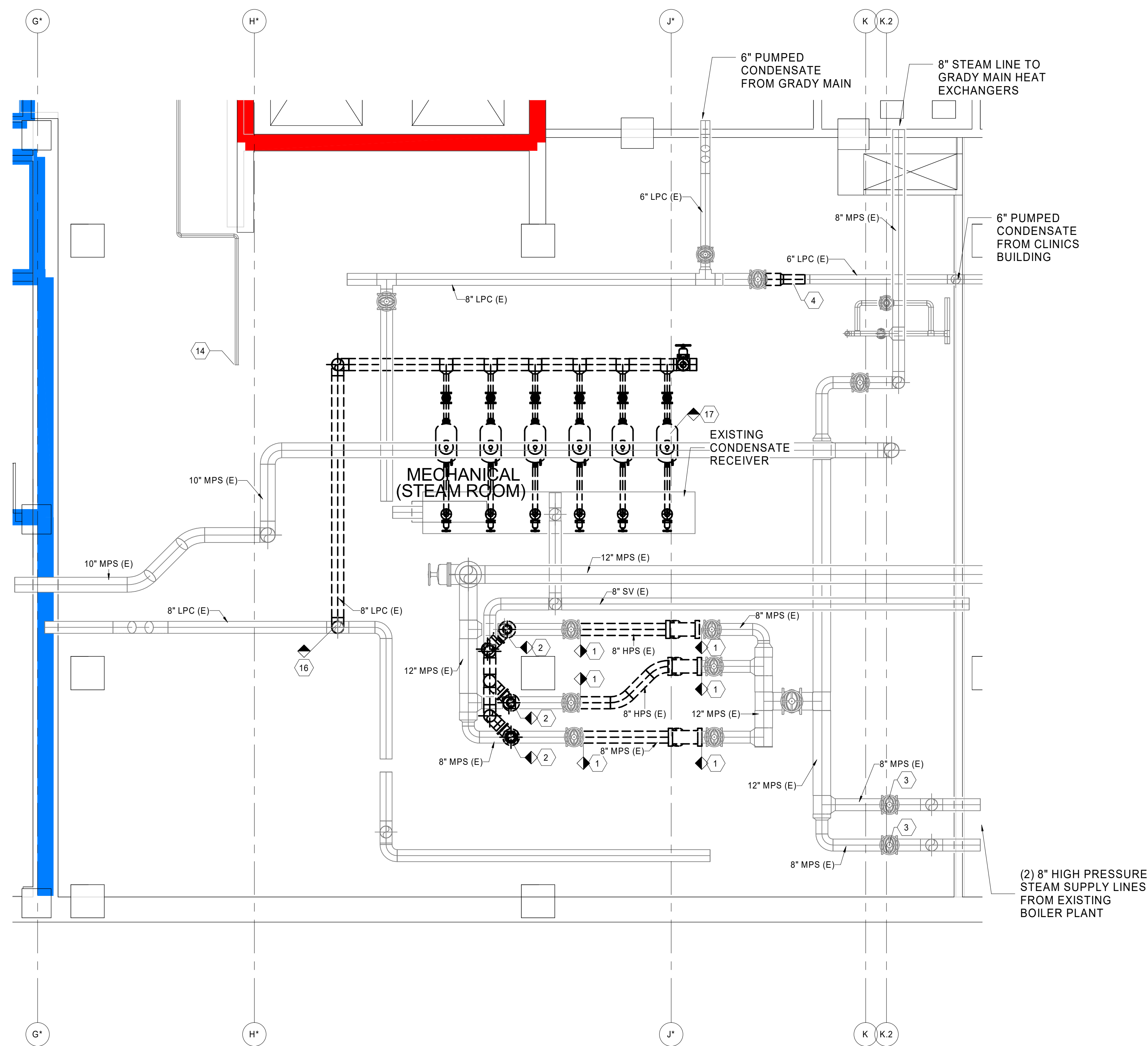
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SHEET

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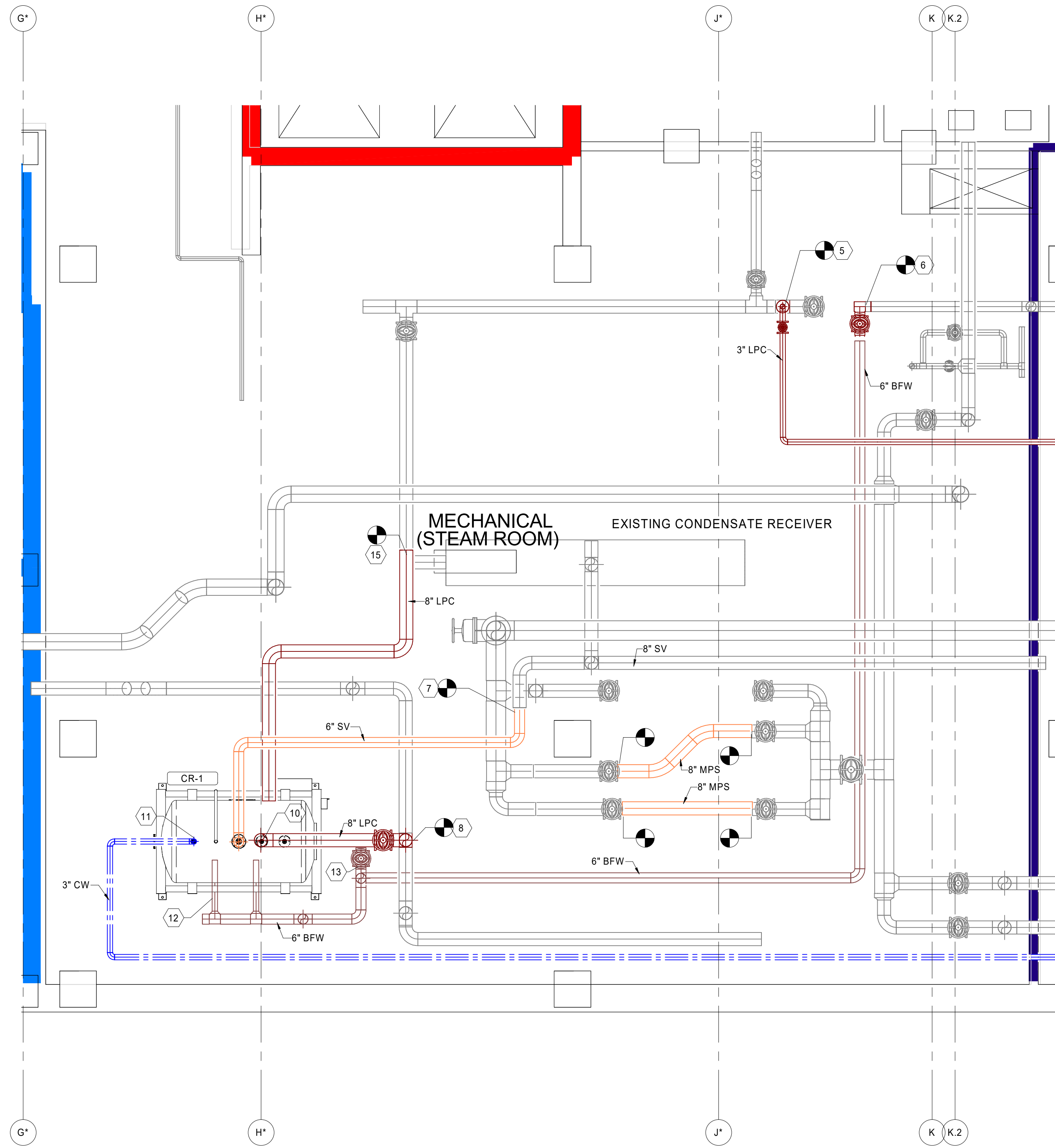
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ENLARGED BOILER PLANT - NEW

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1
1/4" = 1'-0"

ENLARGED BASEMENT FLOOR -
MECHANICAL PIPING - DEMOLITION



2
1/4" = 1'-0"

ENLARGED BASEMENT FLOOR -
MECHANICAL PIPING - NEW

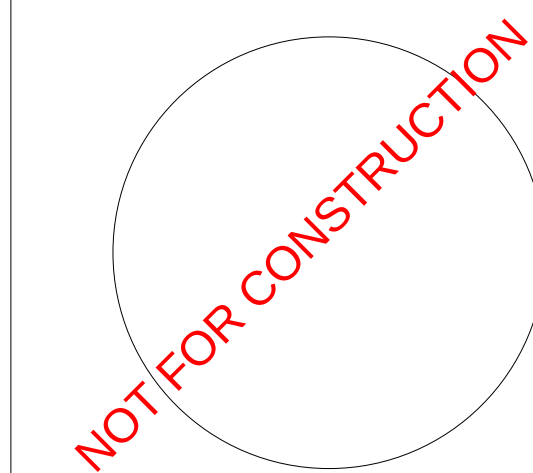
- KEYED NOTES**
- DEMOLISH EXISTING PRESSURE REDUCING VALVE, AND Y-STRAINER. CONTRACTOR SHALL REPLACE VALVES WITH SPOOL PIECES. CONTRACTOR SHALL REPLACE ONE AT A TIME TO MINIMIZE SHUTDOWN TO THE HOSPITAL.
 - DEMOLISH EXISTING STEAM RELIEF VENT, AND STEAM VENT BRANCH PIPING.
 - UPON COMPLETION OF THE NEW BOILER PLANT, SHUT EXISTING PLANT CONNECTION VALVES, AND REMOVE VALVE HANDLE.
 - DEMOLISH SECTION OF 6" STEAM CONDENSATE RETURN LINE TO CONVERT TO NEW BOILER FEEDWATER LINE.
 - CONNECT NEW 3" PUMPED CONDENSATE RETURN TO EXISTING 6" MAIN LINE.
 - CONNECT NEW 6" BOILER FEEDWATER TO EXISTING 6" PUMPED CONDENSATE LINE. EXISTING LINE SHALL BE REUSED FOR BOILER FEEDWATER UP TO THE 6TH FLOOR.
 - CONNECT NEW SURGE TANK VENT LINE TO EXISTING 8" STEAM VENT.
 - CONNECT NEW 8" PUMPED STEAM CONDENSATE LINE TO EXISTING PUMPED CONDENSATE DISCHARGE FROM MOTIVE STEAM PUMPS.
 - CONNECT 8" MOTIVE PUMP DISCHARGE TO NEW SURGE TANK.
 - PROVIDE NEW 3" DOMESTIC WATER CONNECTION.
 - PROVIDE NEW 6" BOILER FEEDWATER LINE, AND CONNECT TO NEW TRANSFER PUMPS LOCATED BELOW CR-1.
 - PROVIDE NEW 6" BYPASS LINE AROUND NEW CONDENSATE RECIEVER FROM EXISTING PUMPED CONDENSATE LINE.
 - EXISTING PUMPED CONDENSATE LINE TIES INTO MOTIVE PUMP DISCHARGE LINE. CONTRACTOR SHALL REROUTE TO NEW SURGE TANK.
 - CONNECT TO EXISTING 8" STEAM CONDENSATE RETURN LINE, AND ROUTE TO NEW SURGE TANK. CONNECT EXISTING RECEIVER TANK INTO NEW LINE, AND ENSURE EXISTING TANK DRAINS TO NEW CONDENSATE SURGE TANK.
 - ONCE NEW SURGE TANK IS INSTALLED, CONTRACTOR SHALL DEMOLISH EXISTING MOTIVE STEAM PUMPS AND DISCHARGE PIPING.
 - DEMOLISH EXISTING STEAM MOTIVE PUMPS, PUMPED CONDENSATE DISCHARGE, AND 100 PSIG MOTIVE STEAM LINES. EXISTING CONDENSATE RECIEVER SHALL REMAIN.

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PROJECT
BOILER PLANT REPLACEMENT

TITLE
ENLARGED BASEMENT STEAM ROOM

JOB NUMBER
25-014

DATE
10/16/25

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Author

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Checker

SHEET
M302

SCALE
1/4" = 1'-0"



ENGINEER SEAL

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ELEVATIONS

JOB NUMBER
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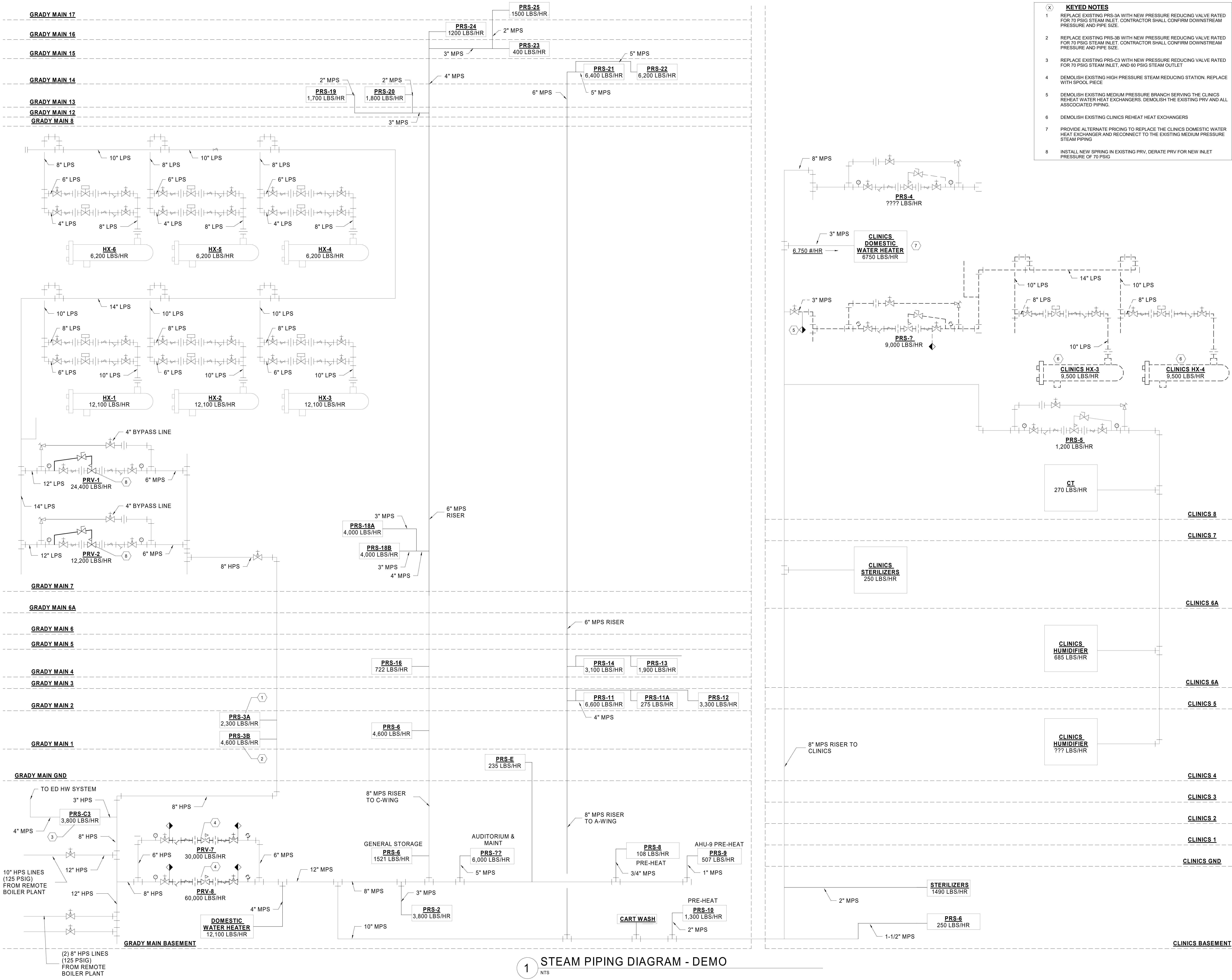
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Author Checker	

SCALE
1/4" = 1'-0"

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Audrey Davis / Chief Design Engineer/25-014 HSP, AP, 0424-14



- KEYED NOTES**
- REPLACE EXISTING PRS-3A WITH NEW PRESSURE REDUCING VALVE RATED FOR 70 PSIG STEAM INLET. CONTRACTOR SHALL CONFIRM DOWNSTREAM PRESSURE AND PIPE SIZE.
 - REPLACE EXISTING PRS-3B WITH NEW PRESSURE REDUCING VALVE RATED FOR 70 PSIG STEAM INLET. CONTRACTOR SHALL CONFIRM DOWNSTREAM PRESSURE AND PIPE SIZE.
 - REPLACE EXISTING PRS-C3 WITH NEW PRESSURE REDUCING VALVE RATED FOR 70 PSIG STEAM INLET, AND 60 PSIG STEAM OUTLET
 - DEMOLISH EXISTING HIGH PRESSURE STEAM REDUCING STATION. REPLACE WITH SPOOL PIECE
 - DEMOLISH EXISTING MEDIUM PRESSURE BRANCH SERVING THE CLINICS REHEAT WATER HEAT EXCHANGERS. DEMOLISH THE EXISTING PRV AND ALL ASSOCIATED PIPING.
 - DEMOLISH EXISTING CLINICS REHEAT HEAT EXCHANGERS
 - PROVIDE ALTERNATE PRICING TO REPLACE THE CLINICS DOMESTIC WATER HEAT EXCHANGER AND RECONNECT TO THE EXISTING MEDIUM PRESSURE STEAM PIPING
 - INSTALL NEW SPRING IN EXISTING PRV. DERATE PRV FOR NEW INLET PRESSURE OF 70 PSIG

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PROJECT

CLINICS

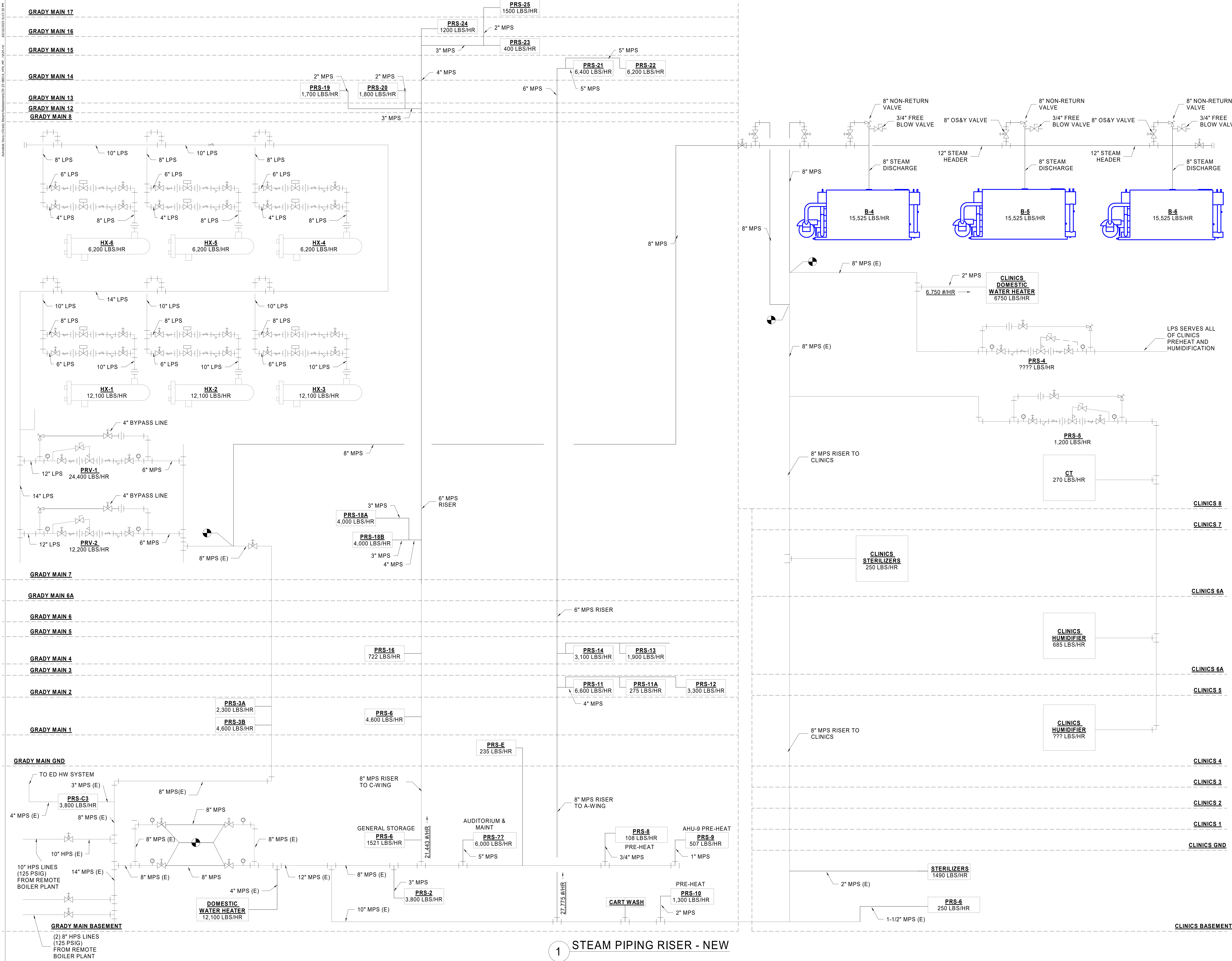
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STEAM PIPING DIAGRAM - DEMO

JOB NUMBER:	25-014	DATE:	10/16/25
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SCALE:	NTS	SHEET:	M701

1 STEAM PIPING DIAGRAM - DEMO
NTS

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PROJECT

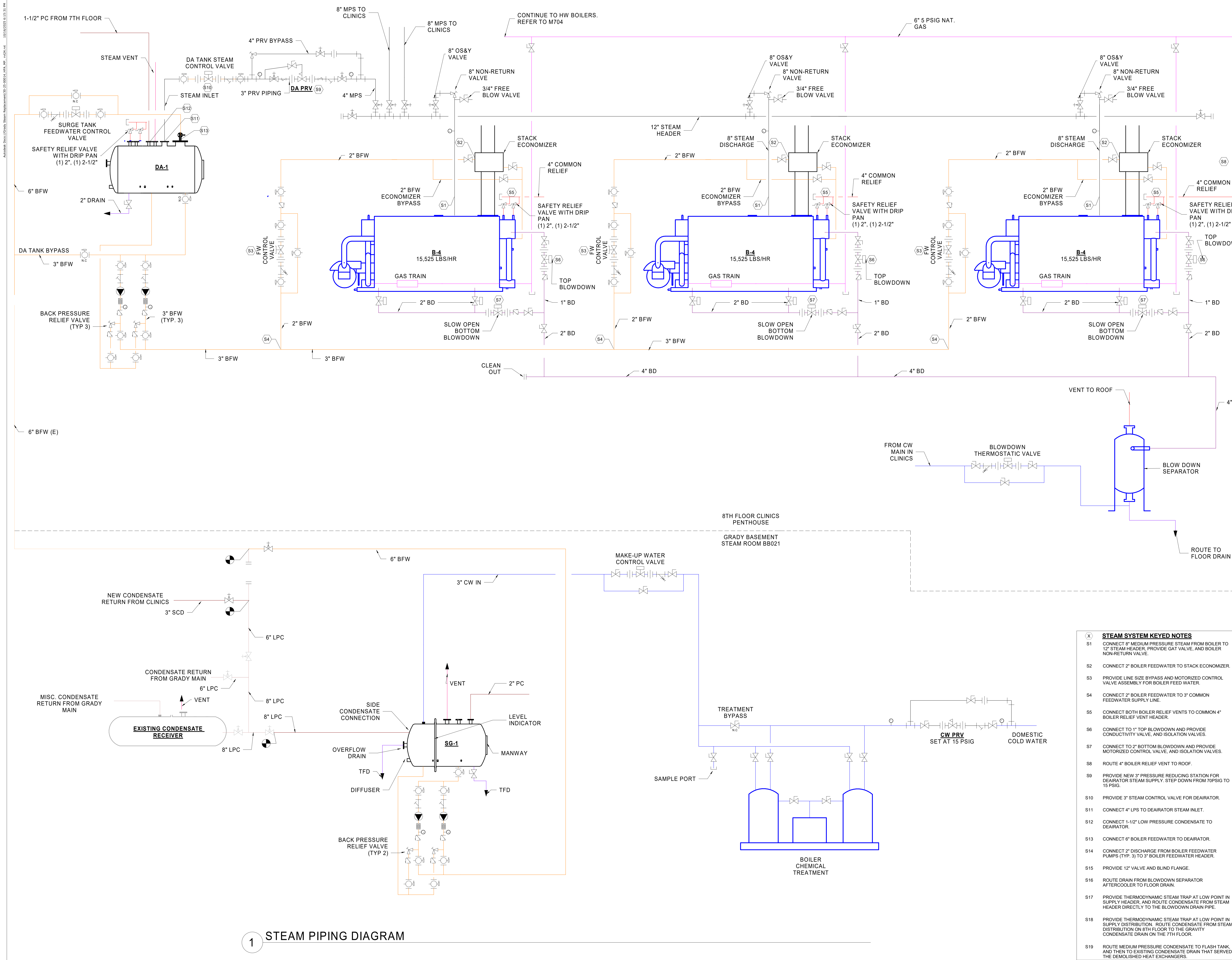
BOILER PLANT REPLACEMENT

TITLE

STEAM PIPING DIAGRAM - NEW

JOB NUMBER	25-014	DATE	10/16/25
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SCALE	NTS	SHEET	M702

As noted, unless otherwise specified, all piping shall be installed in accordance with the applicable code requirements.



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KEY PLAN:

ADDRESS:

80 JESSE HILL JR
DR SE
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30303

CLIENT:

GRADY MEMORIAL HOSPITAL

PROJECT:

BOILER PLANT REPLACEMENT

TITLE:

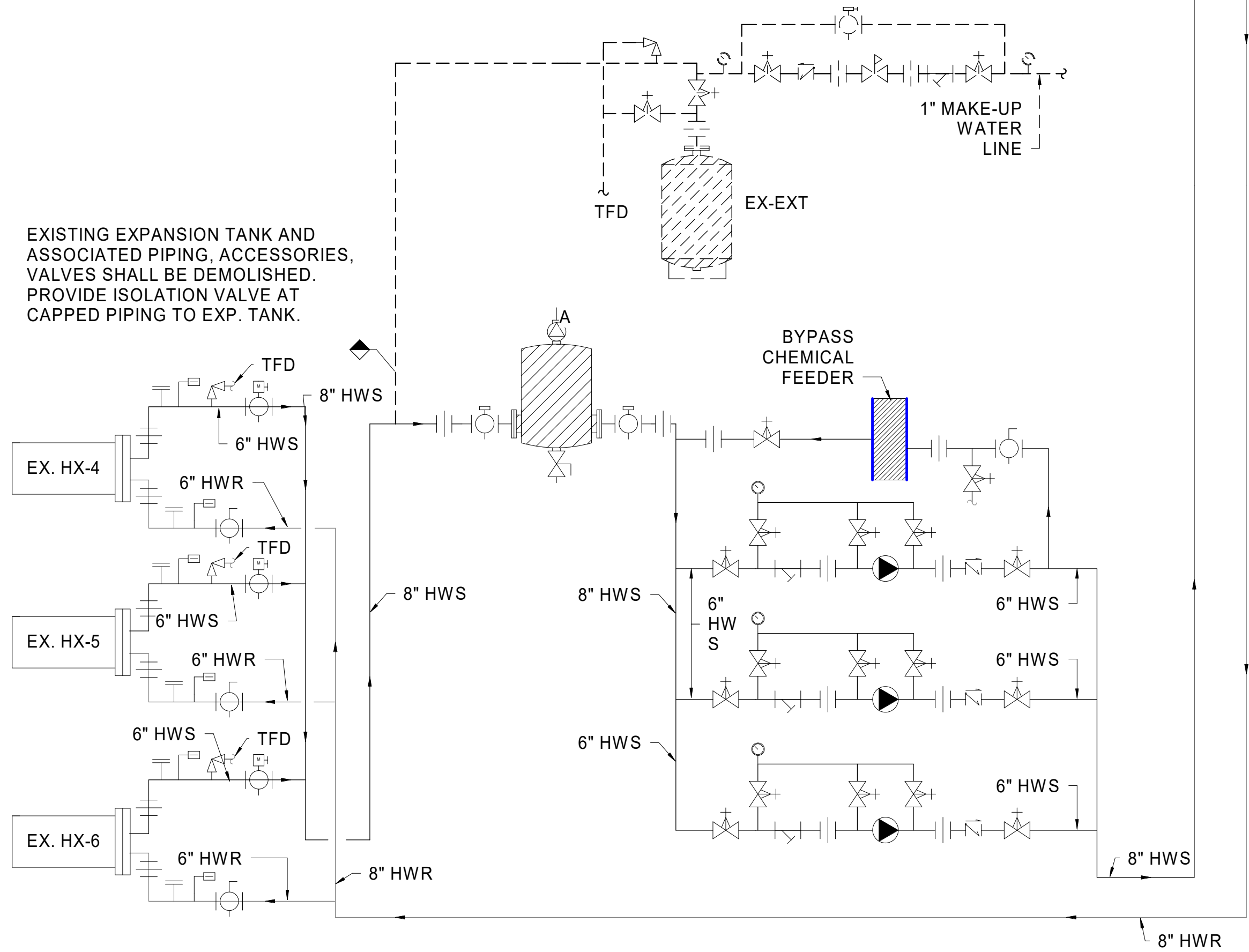
STEAM BOILER PLANT PIPING DIAGRAM

JOB NUMBER:	DATE:
25-014	10/16/25
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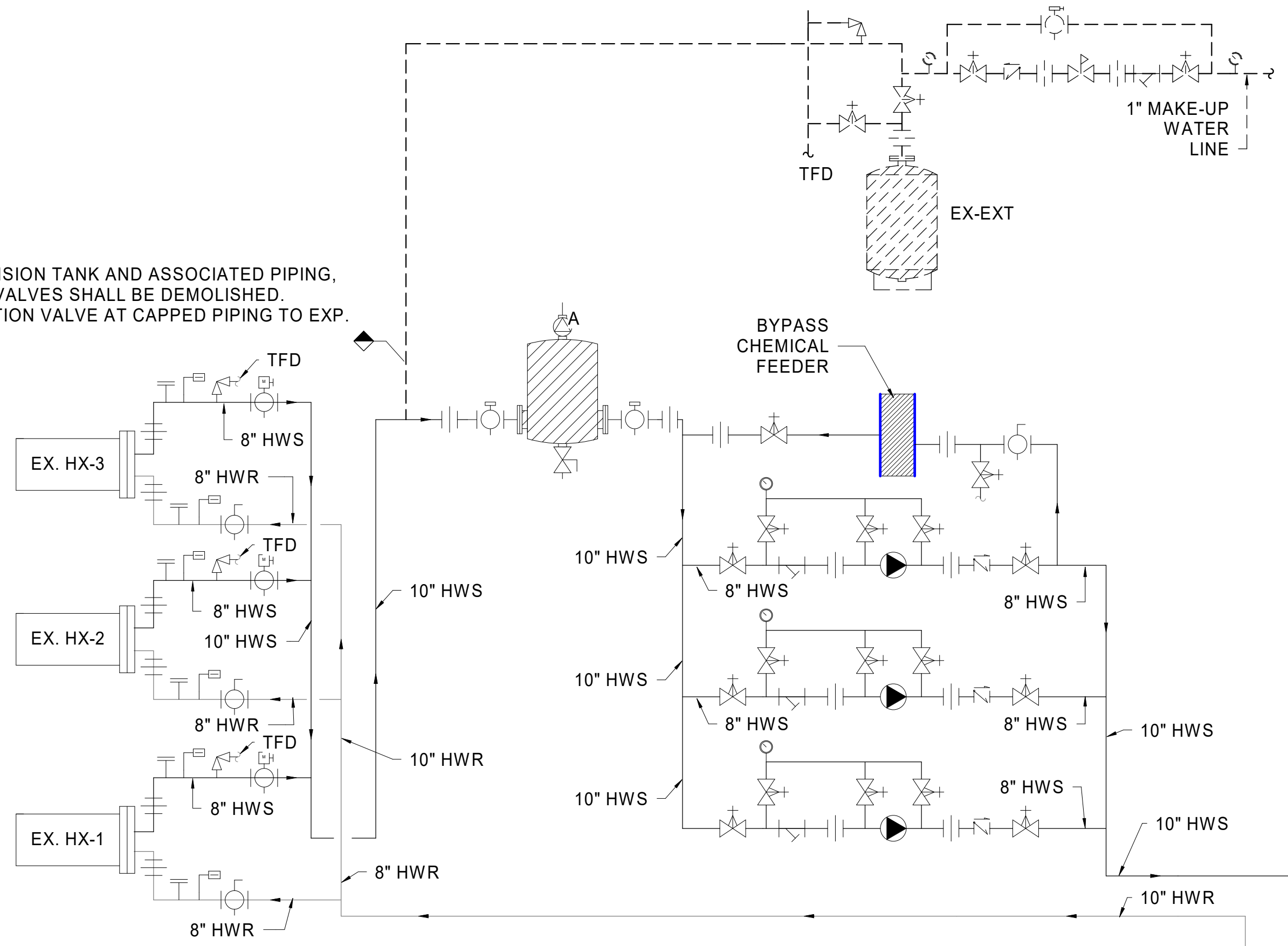
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Addendum 0001: Clinic Boiler Replacement 25-014 HWS, HP, V&E-14

GRADY MAIN 17
GRADY MAIN 16
GRADY MAIN 15
GRADY MAIN 14
GRADY MAIN 13
GRADY MAIN 12
GRADY MAIN 11
GRADY MAIN 10
GRADY MAIN 9
GRADY MAIN 8

EXISTING EXPANSION TANK AND ASSOCIATED PIPING, ACCESSORIES, VALVES SHALL BE DEMOLISHED. PROVIDE ISOLATION VALVE AT CAPPED PIPING TO EXP. TANK.



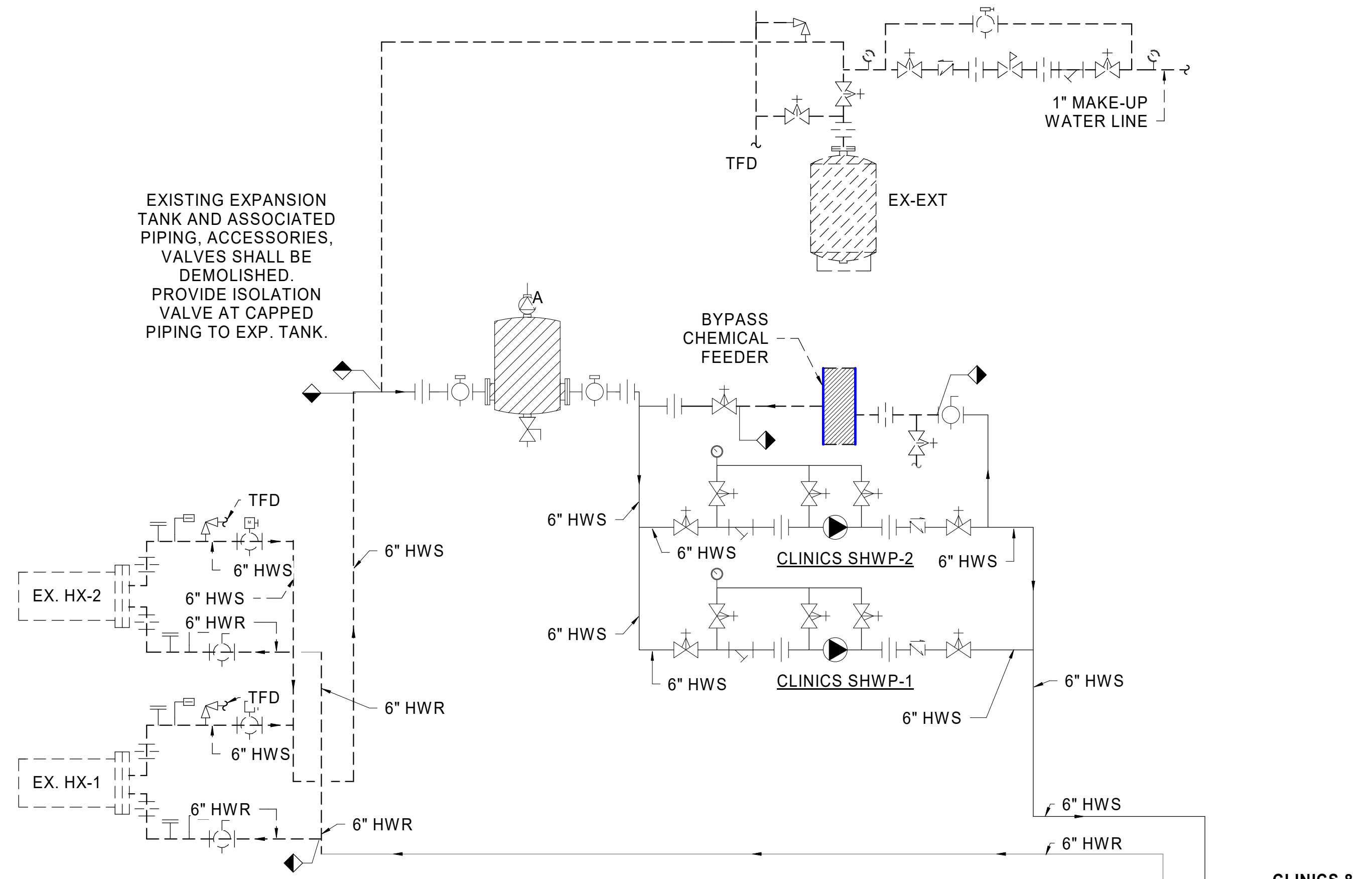
EXISTING EXPANSION TANK AND ASSOCIATED PIPING, ACCESSORIES, VALVES SHALL BE DEMOLISHED. PROVIDE ISOLATION VALVE AT CAPPED PIPING TO EXP. TANK.



GRADY MAIN 7
GRADY MAIN 6A
GRADY MAIN 6
GRADY MAIN 5
GRADY MAIN 4
GRADY MAIN 3
GRADY MAIN 2
GRADY MAIN 1
GRADY MAIN GND
GRADY MAIN BASEMENT

EXISTING HWS/R PIPING SERVED REHEAT COILS ON LEVELS 7-8

EXISTING EXPANSION TANK AND ASSOCIATED PIPING, ACCESSORIES, VALVES SHALL BE DEMOLISHED. PROVIDE ISOLATION VALVE AT CAPPED PIPING TO EXP. TANK.



EXISTING HWS/R PIPING DOWN TO CLINICS BUILDING REHEAT COILS

CLINICS 8

CLINICS 7

CLINICS 6A

CLINICS 6A

CLINICS 5

CLINICS 4

CLINICS 3

CLINICS 2

CLINICS 1

CLINICS GND

CLINICS BASEMENT

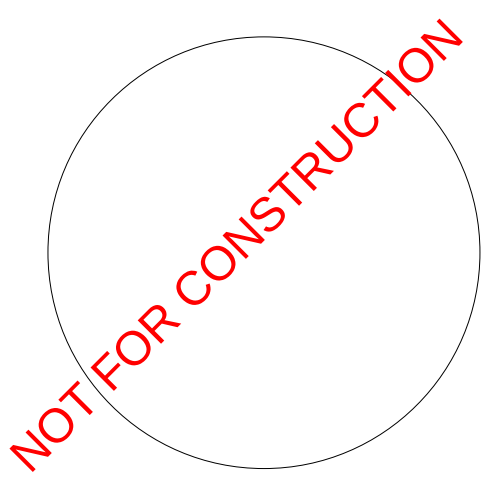
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NOTES:

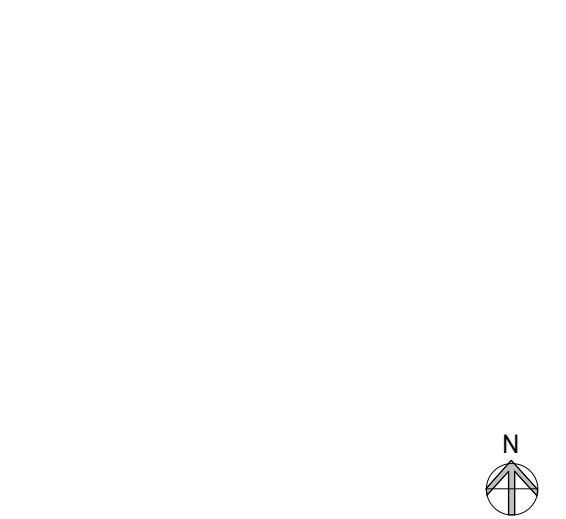
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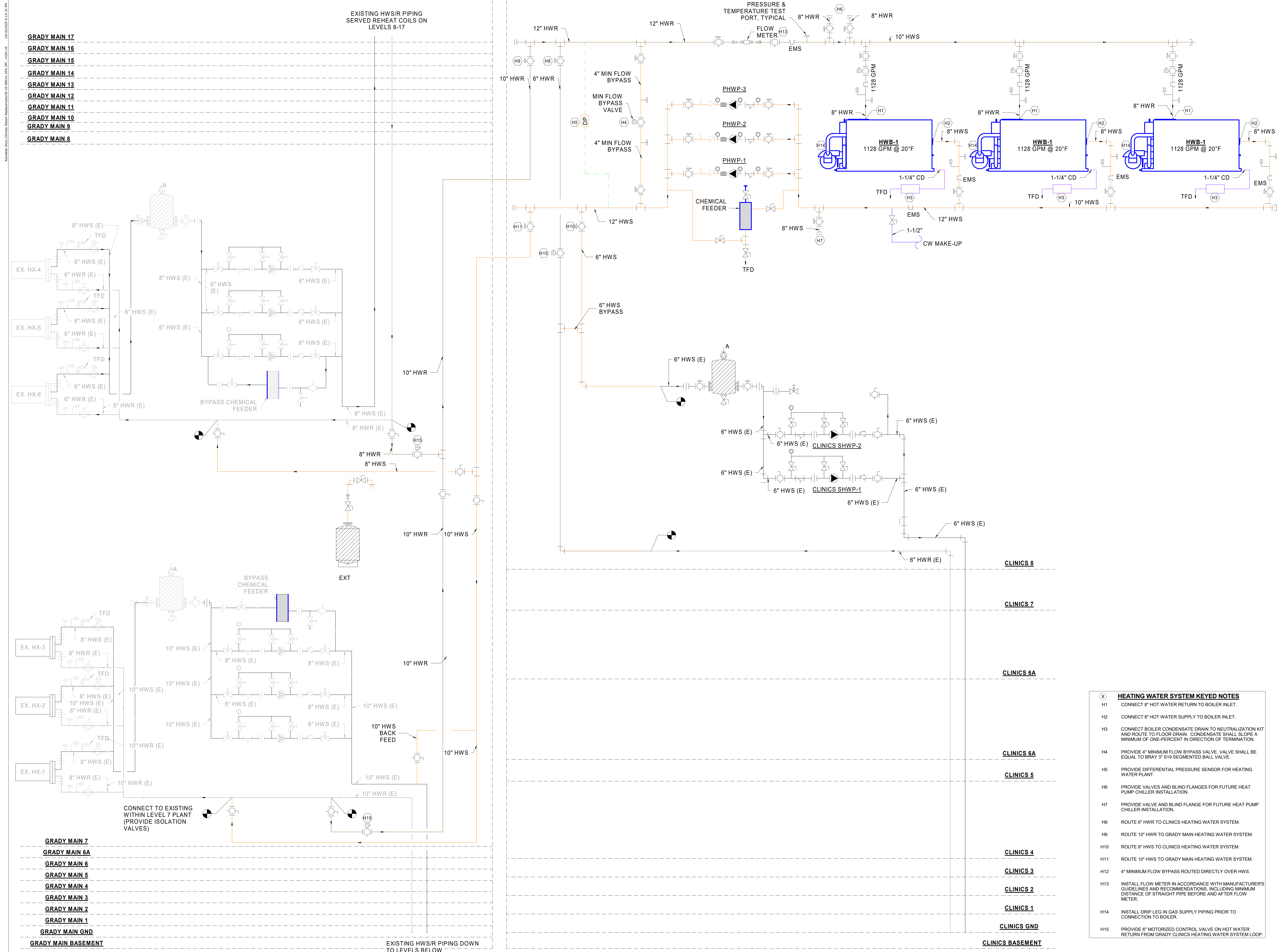
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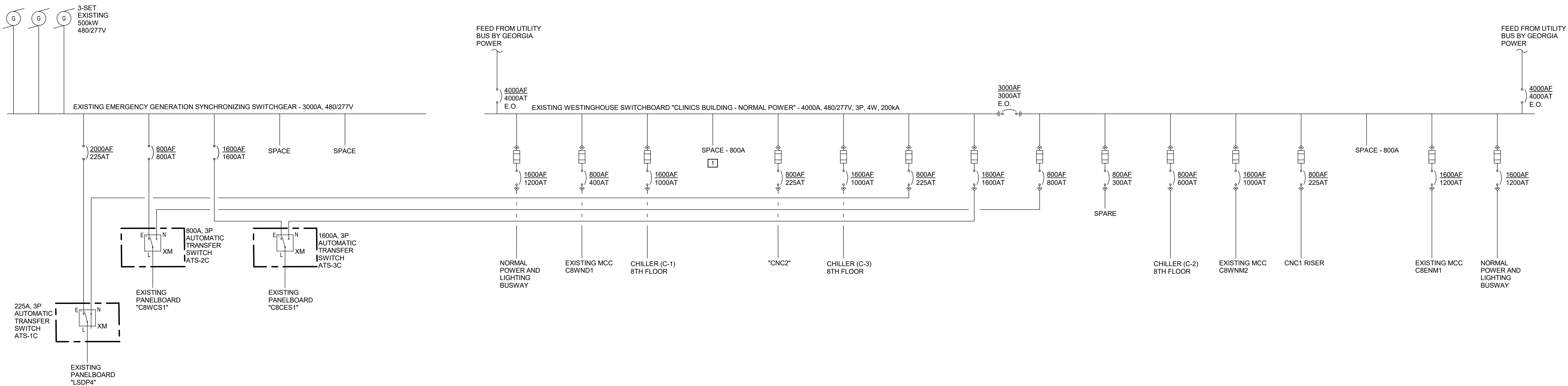
ADDRESS
80 JESSE HILL JR
DR SE
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30303

CLIENT
GRADY MEMORIAL HOSPITAL
PROJECT
BOILER PLANT REPLACEMENT

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Author
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Checker
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M704
SCALE
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Addendum Docu: 10/15/2025 2:23:40 PM



GENERAL NOTES - DEMOLITION

1. PRIOR TO WORK CONTENTMENT, EC TO PROVIDE GPR SCANNING TO VERIFY EXISTING CONDITIONS. PROVIDE SCANNING AS A SUBMITTAL TO OWNER AND ENGINEER.
2. PRIOR TO THE START OF DEMOLITION, THE EC AND THE DEMOLITION SUB SHALL WORK CLOSELY WITH OWNER, ENGINEER, AND ALL OTHER SUBS TO IDENTIFY WHICH EXISTING PIPE, DUCTWORK, EQUIPMENT, ETC. SHALL EITHER BE PROTECTED DURING CONSTRUCTION OR DEMOLISHED AND REMOVED.

KEY NOTES - DEMOLITION

1. EC TO PREPARE EXISTING SPACE TO BREAKER PROVIDE UNDER NEW WORK SCOPE.
2. EC TO DISCONNECT FROM THE BOILER PLANT AND RELOCATE EXISTING GENERATOR.

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CUSTOMER:

GRADY MEMORIAL HOSPITAL

ADDRESS:

80 JESSE HILL JR
DR SE
ATLANTA, GA
30303

PROJECT:

BOILER PLANT REPLACEMENT

TITLE:

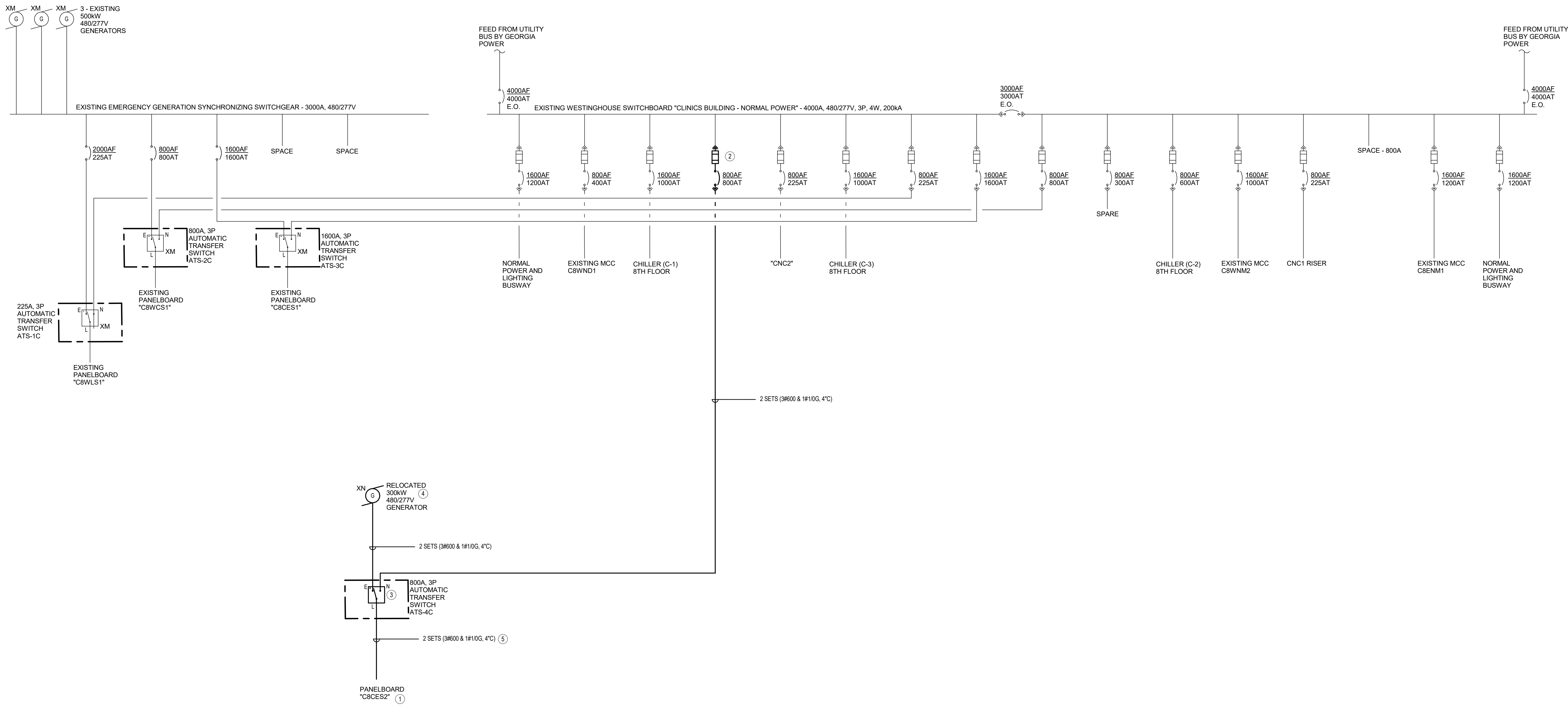
ELECTRICAL ONELINE DIAGRAMS - DEMOLITION WORK

JOB NUMBER:	25-014	DATE:	10/09/25
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GENERAL NOTES - NEW WORK

1. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL INFORMATION.

KEY NOTES - NEW WORK

1. EC TO PROVIDE PANELBOARD, REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
2. EC TO PROVIDE 800A BREAKER COMPATIBLE WITH EXISTING WESTINGHOUSE SWITCHBOARD.
3. PROVIDE 800AMP AUTOMATIC TRANSFORMER SWITCH TO SUPPORT EQUIPMENT BRANCH LOADS.
5. EC TO RELOCATE EXISTING GENERATOR TO CLINICS BUILDING. PRIOR TO BEING INSTALLED CONTRACTOR TO SEND TO LOCAL CUMMINGS FACTORY TO BE RETROFITTED WITH A BELLY TANK WITH 24 HOURS WORTH OF RUN TIME AND REPLACE EXISTING 400A BREAKER WITH A 500A BREAKER.
6. COORDINATE WITH MECHANICAL CONTRACTOR TO RUN THE CONDUIT AND PULL BOXES ON THE SAME RACK WITH MECHANICAL PIPING.

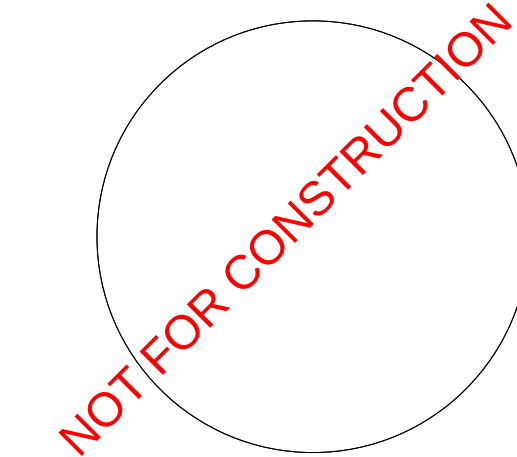
ENGINEER OF RECORD:



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BOILER PLANT REPLACEMENT

TITLE
ELECTRICAL ONELINE DIAGRAMS - NEW WORK

JOB NUMBER
25-014

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RGH

CHECKED BY
JN

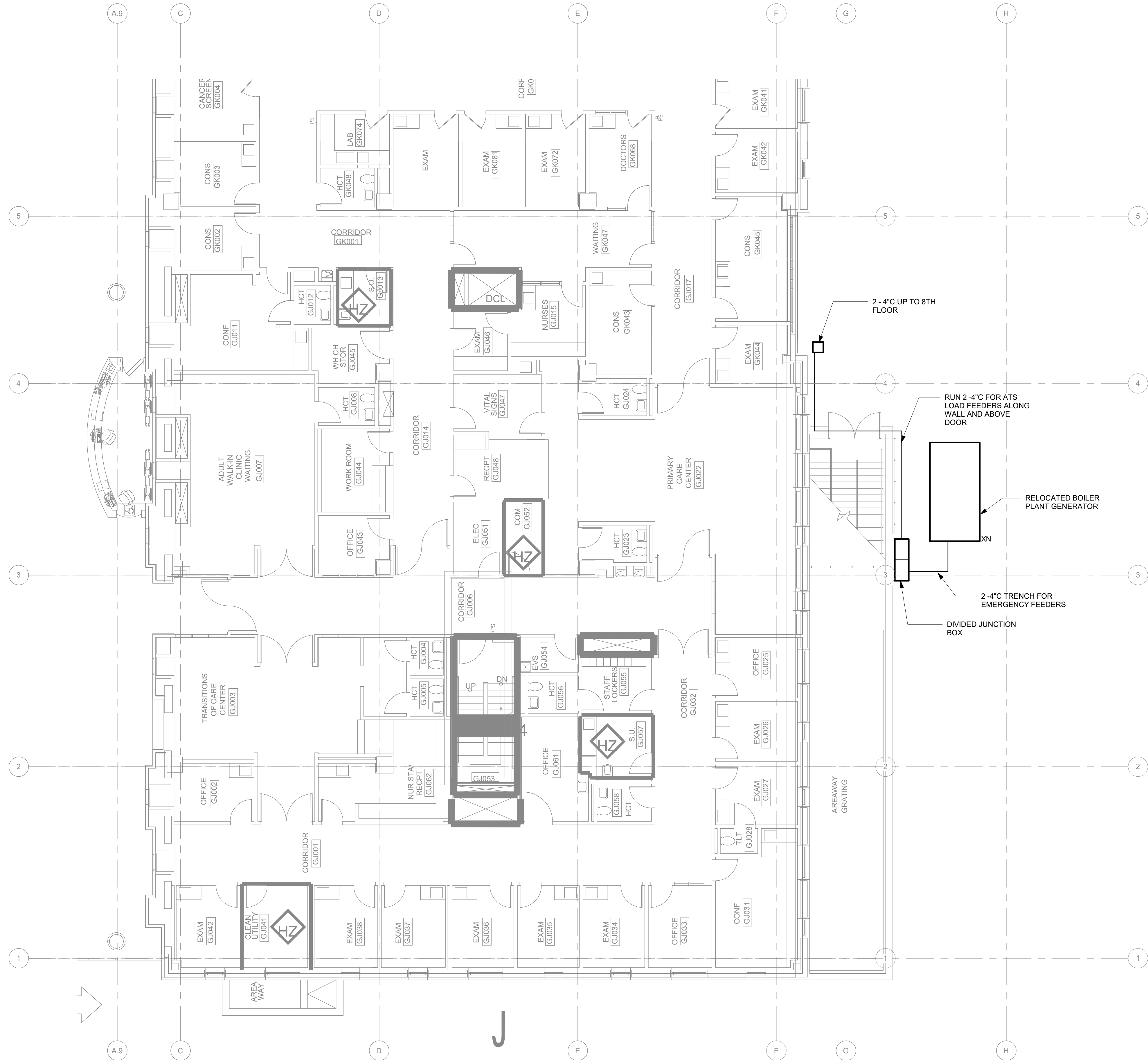
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DATE
10/09/25

SHEET

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ENGINEER OF RECORD:



Oakwell

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ADDRESS

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THE ELECTRICAL FLOORPLAN - GROUND FLOOR & SITE PLAN

JOB NUMBER

25-014

DATE

10/09/25

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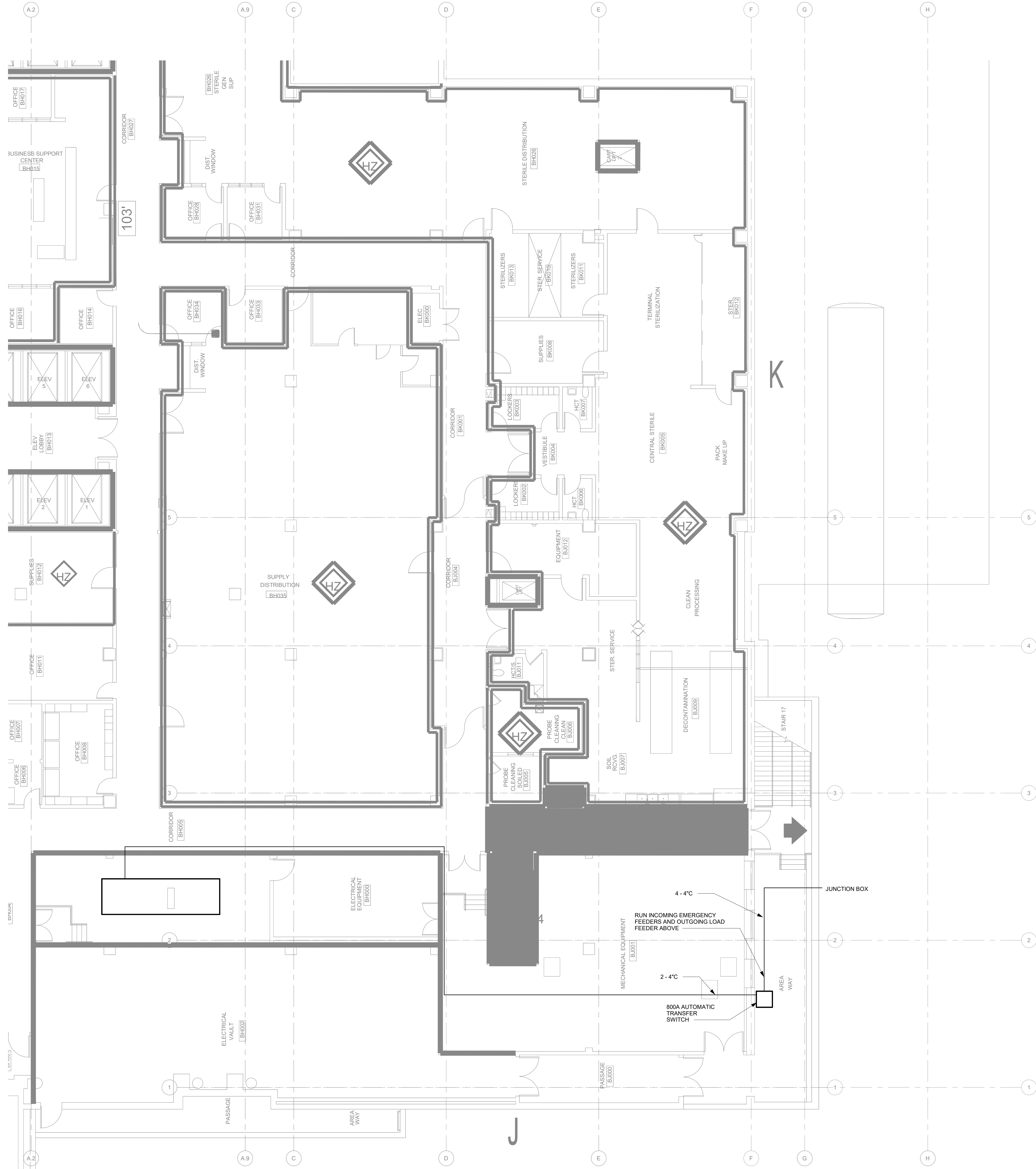
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SCALE

1/8" = 1'-0"

E200





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No.	REVISION / ISSUE	DATE

KEY PLAN:



CUSTOMER:
GRADY MEMORIAL HOSPITAL
80 JESSE HILL JR
DR SE
ATLANTA, GA
30303

PROJECT:
BOILER PLANT REPLACEMENT

TITLE:
ELECTRICAL FLOORPLAN - BASEMENT

JOB NUMBER: 25-014	DATE: 10/09/25
DRAWN BY: RGH	CHECKED BY: JN
SCALE: 1/8" = 1'-0"	SHEET: E201

NOTES:

ENGINEER SEAL:

NOT FOR CONSTRUCTION

[illegible]

KEY PLAN:



CLIENT	GRADY MEMORIAL HOSPITAL
ADDRESS	80 JESSE HILL JR DR SE ATLANTA, GA 30303
PROJECT	

TITLE
ELECTRICAL FLOORPLAN - 8TH FLOOR

JOB NUMBER 25-014	
DRAWN BY RGH	CHECKED BY JM
SCALE 1/8" = 1'-0"	

10/09/25

E202

Autodesk Docs / Open Studio / Equipment27.dwg, 10/11/2025 2:31:21 PM

ELECTRICAL CONNECTION SCHEDULE													
UNIT TAG	DESCRIPTION	LOAD INFORMATION						POWER SOURCE		BRANCH CIRCUIT	CONNECTION		REMARKS
		MECH. LOAD	VOLTS	AMPS	PH	WIRE	KVA	PANEL	CIRCUIT BREAKER		FLEX	TYPE (JB/REC/DISC)	
DA-1	DE-AERATOR TANK	10 HP	480	14.0	3	3	11.64	C8CES2	30A/3P	3#10 & 1#10G, 3/4"	X	DISC	SEE NOTE 2 - 60AS/30AF
B-1	HOT WATER BOILER	--	480	24.6	3	3	20.45	C8CES2	20A/1P	3#8 & 1#8G, 3/4"	X	DISC	SEE NOTE 6
B-2	HOT WATER BOILER	--	480	24.6	3	3	20.45	C8CES2	20A/1P	3#8 & 1#8G, 3/4"	X	DISC	SEE NOTE 6
B-3	HOT WATER BOILER	--	480	24.6	3	3	20.45	C8CES2	20A/1P	3#8 & 1#8G, 3/4"	X	DISC	SEE NOTE 6
B-4	STEAM BOILER - COMBUSTION AIR FAN	40	480	52.0	3	3	43.23	C8CES2	100A/3P	3#4 & 1#8G, 1"	X	DISC	SEE NOTE 6
	STEAM BOILER - AIR COMPRESSOR	7.5	480	11.0	3	3	9.15	C8CES2	20A/3P	3#12 & 1#12G, 3/4"	X	DISC	SEE NOTE 6
B-5	STEAM BOILER - COMBUSTION AIR FAN	40	480	52.0	3	3	43.23	C8CES2	100A/3P	3#4 & 1#8G, 1"	X	DISC	SEE NOTE 6
	STEAM BOILER - AIR COMPRESSOR	7.5	480	11.0	3	3	9.15	C8CES2	20A/3P	3#12 & 1#12G, 3/4"	X	DISC	SEE NOTE 6
B-6	STEAM BOILER - COMBUSTION AIR FAN	40	480	52.0	3	3	43.23	C8CES2	100A/3P	3#4 & 1#8G, 1"	X	DISC	SEE NOTE 6
	STEAM BOILER - AIR COMPRESSOR	7.5	480	11.0	3	3	9.15	C8CES2	20A/3P	3#12 & 1#12G, 3/4"	X	DISC	SEE NOTE 6
PHWP-1	PRIMARY HOT WATER PUMP	40	480	52.0	3	3	43.23	C8CES2	100A/3P	3#4 & 1#8G, 1"	X	DISC	SEE NOTE 6
PHWP-2	PRIMARY HOT WATER PUMP	40	480	52.0	3	3	43.23	C8CES2	100A/3P	3#4 & 1#8G, 1"	X	DISC	SEE NOTE 6
PHWP-3	PRIMARY HOT WATER PUMP	40	480	52.0	3	3	43.23	C8CES2	100A/3P	3#4 & 1#8G, 1"	X	DISC	SEE NOTE 6
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GENERAL NOTES:

REFER TO DRAWINGS & SPECIFICATION FOR ADDITIONAL INFORMATION OF BRANCH CIRCUIT WIRING METHODS BASED ON APPLICABLE LOCATION.

"FLEX" - DENOTES FINAL THREE FEET (MAX.) OF RACEWAY SHALL BE LIQUID-TIGHT FLEXIBLE METAL.

"JB" - DENOTES FINAL CONNECTION TO A JUNCTION BOX OR CONTROL PANEL PRE-WIRED TO UNIT.

"REC" - DENOTES FINAL CONNECTION TO A RECEPTACLE. REFER TO REMARKS COLUMN FOR NEMA CONFIGURATION.

EQUIPMENT NOTES BELOW ARE APPLICABLE WHEN NOTED IN THE REMARKS COLUMN.

EQUIPMENT NOTES:

1. DISCONNECT SHALL BE NON-FUSED. REFER TO DRAWINGS AND SPECIFICATION FOR AREA CLASSIFICATION TO DETERMINE NEMA ENCLOSURE.
2. DISCONNECT SHALL BE FUSED. REFER TO DRAWINGS AND SPECIFICATION FOR AREA CLASSIFICATION TO DETERMINE NEMA ENCLOSURE.
3. DISCONNECT SHALL BE MOTOR-RATED SWITCH WITH THERMAL OVERLOAD ELEMENT. REFER TO DRAWINGS AND SPECIFICATION FOR AREA CLASSIFICATION TO DETERMINE NEMA ENCLOSURE.
4. STARTER/DISCONNECT:

4.1 PROVIDED BY OTHERS. INSTALLED & WIRED BY ELECTRICAL CONTRACTOR.

4.2 PROVIDED BY ELECTRICAL CONTRACTOR. INSTALLED & WIRED BY ELECTRICAL CONTRACTOR.
5. STARTER TO BE PROVIDED BY ELECTRICAL CONTRACTOR WITHIN MOTOR CONTROL CENTER.
6. VFD FURNISHED BY OTHERS. INSTALLED & WIRED BY ELECTRICAL CONTRACTOR.
7. UNIT TO BE PROVIDED WITH WALL MOUNTED CONTROLLER WIRED BY OTHERS.
8. DISCONNECT SHALL BE PROVIDED WITH THE UNIT, WIRED BY ELECTRICAL CONTRACTOR.
9. VFD FURNISHED BY CHILLER MANUFACTURER. WIRED BY ELECTRICAL CONTRACTOR.

SPACING FOR VERTICAL CONDUCTOR SUPPORTS			
		CONDUCTORS	
		COPPER	
SIZE OF WIRE	SUPPORT OF CONDUCTORS IN VERTICAL RACEWAYS	m	ft
18 AWG THROUGH 8 AWG	NOT GREATER THAN	30	100
6 AWG THROUGH 1/0 AWG	NOT GREATER THAN	30	100
2/0 AWG THROUGH 4/0 AWG	NOT GREATER THAN	25	80
OVER 4/0 AWG THROUGH 350 kcmil	NOT GREATER THAN	18	60
OVER 350 kcmil THROUGH 500 kcmil	NOT GREATER THAN	15	50
OVER 500 kcmil THROUGH 750 kcmil	NOT GREATER THAN	12	40
OVER 750 kcmil	NOT GREATER THAN	11	35

SUPPORT NOTES:

- A. PROVIDE VERTICAL SUPPORT OF CONDUCTORS PER THE ELECTRICAL CODE AT DISTANCES NOT TO EXCEED THOSE INDICATED IN THE CHART.
- B. PROVIDE 0.2 GEDNEY OR EQUAL WEDGE SUPPORT FITTINGS IN PULL BOXES AT INTERVALS NOT TO EXCEED THOSE INDICATED.

ENGINEER OF RECORD:



Oakwell

1435 BEDFORD AVE
PITTSBURGH, PA 15219

NOTES:

ENGINEER SEAL:

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KEY PLAN:



CUSTOMER:GRADY MEMORIAL HOSPITAL

PROJECT:BOILER PLANT REPLACEMENT

ADDRESS:80 JESSE HILL JR DR SE
ATLANTA, GA 30303

TITLE:ELECTRICAL SCHEDULES

JOB NUMBER:25-014

DATE:10/09/25

DRAWN BY:RGH

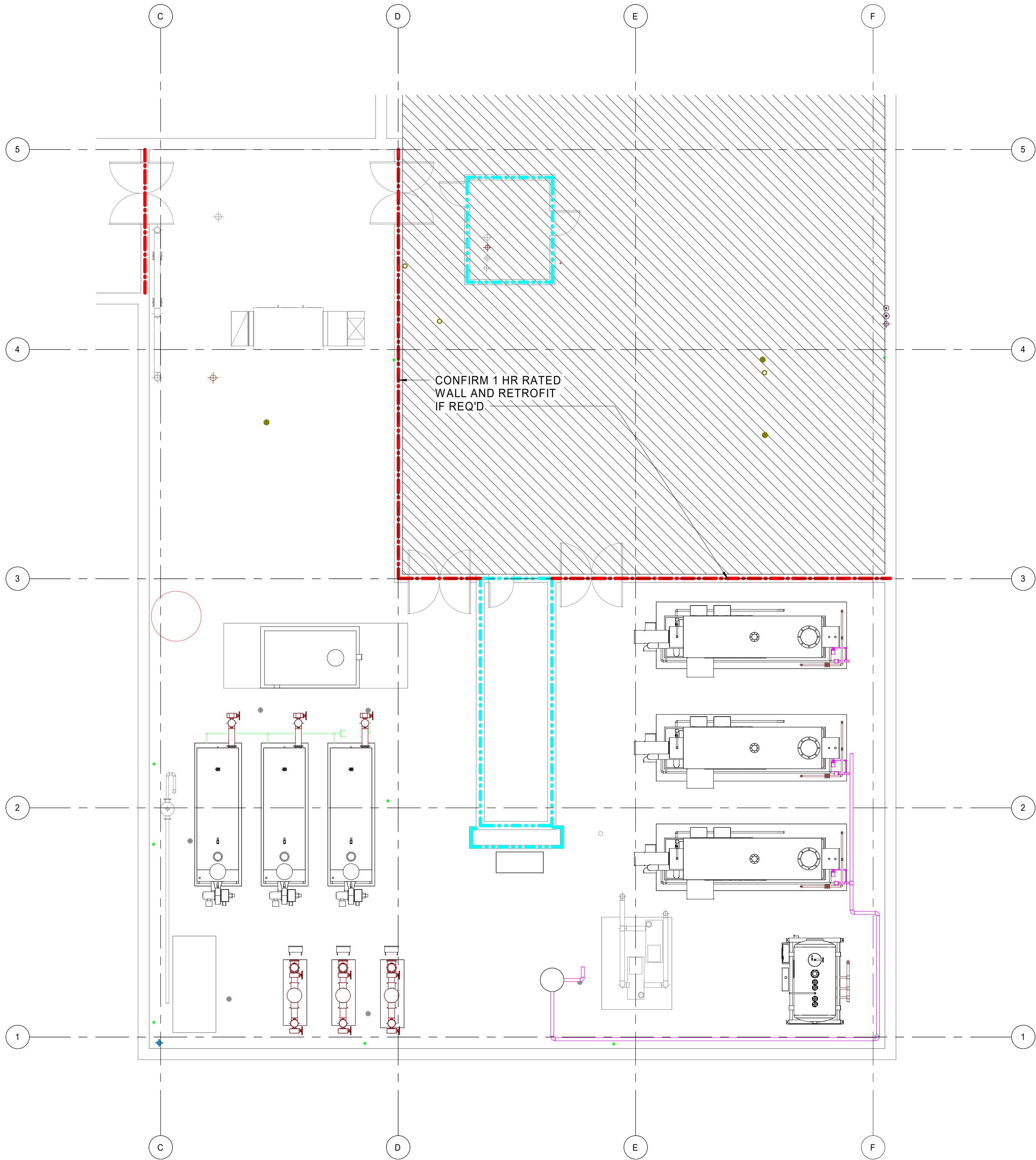
CHECKED BY:JN

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

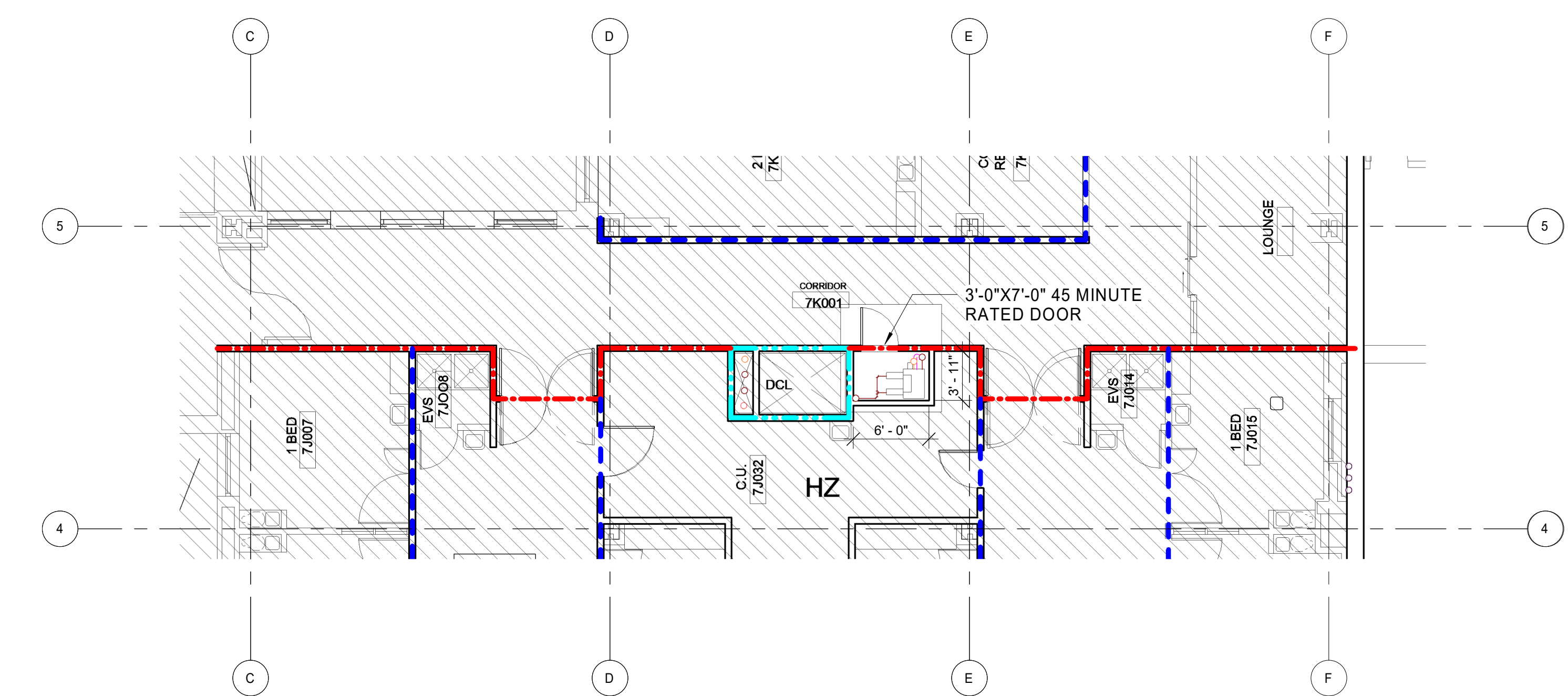
SHEET

E401

Atlanta, GA (Grady) - Steam Replacement 25-0014 - Rev A - 10/13/25 - 10/13/25 10:30:00 AM



1 8TH FLOOR PARTIAL PLAN
1/8" = 1'-0"



2 7TH FLOOR PARTIAL PLAN
1/8" = 1'-0"

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Oakwell

1435 BEDFORD AVE
PITTSBURGH, PA 15219

NOTES:

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No.	REVISION / ISSUE	DATE

KEY PLAN:

CLIENT:

GRADY MEMORIAL HOSPITAL

PROJECT:

BOILER PLANT REPLACEMENT

ADDRESS:

80 JESSE HILL JR
DR SE
ATLANTA, GA
30303

TITLE:

PARTIAL FLOOR PLANS

JOB NUMBER:	25-014	DATE:	10/13/25
DRAWN BY:	ALC	CHECKED BY:	ALC
SCALE:	1/8" = 1'-0"	SHEET:	A101