



McKINSTRY Co. LLC

SEATTLE: 5005 3RD AVENUE S PO BOX 24567 SEATTLE, WA 98124 1-800-669-6223

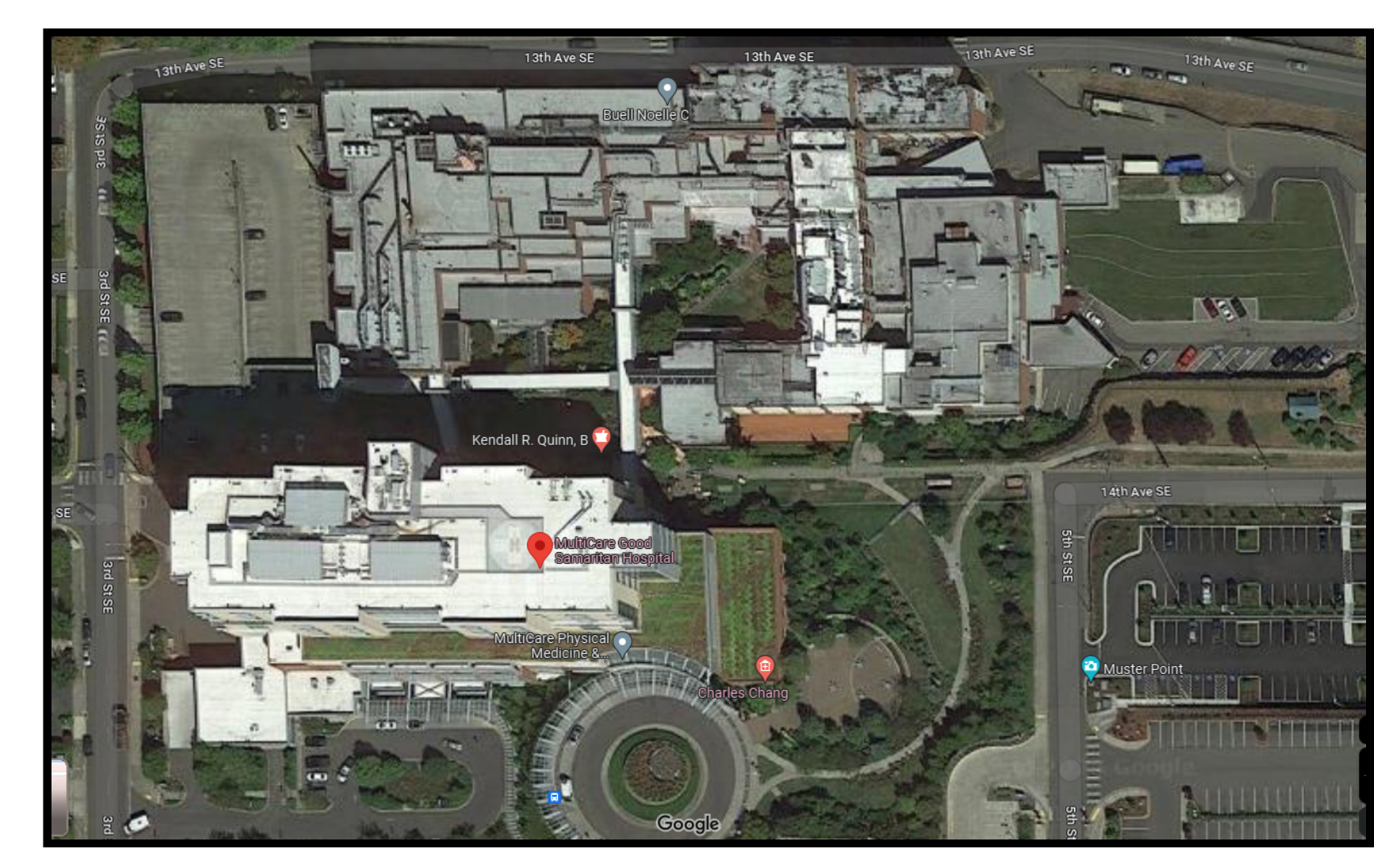
www.mckinstry.com

PROJECT: GSH HUMIDIFIER REPLACEMENT

PRMH20231683

401 15TH AVE SE PUYALLUP, WA 98372

CONSULTANTS:

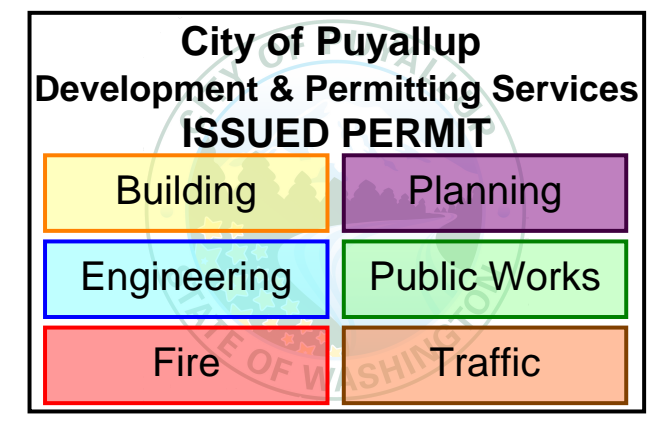


LEGAL DESCRIPTION

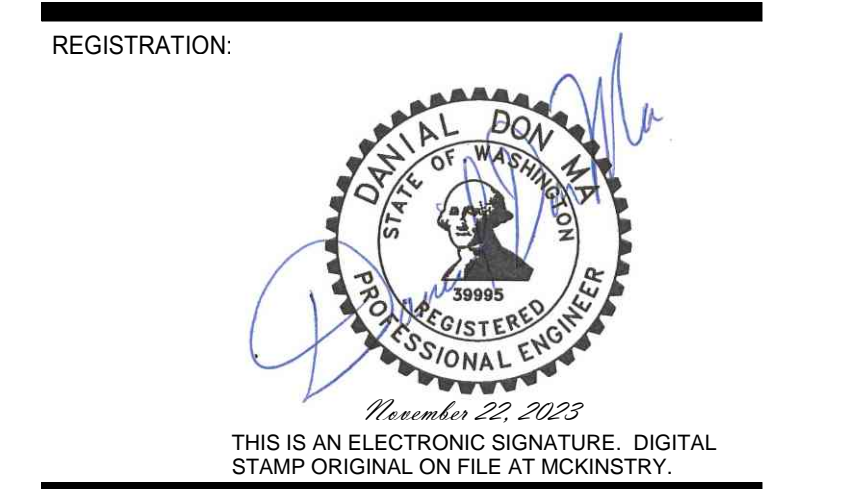
PARCEL NUMBER: 981000014
Section 34 Township 20 Range 04 Quarter 23 WOODS 1ST CANNOT BE SOLD OR SUBD WITHOUT 001-5 & 001-6 LOT 1 OF BLA 2010-06-15-5001 DESC AS BEG AT A PT 30 FT E & 151.05 FT N OF INTER OF 15TH AV SE & 3RD ST SE TH N 322.08 FT TH N 305.27 FT TH E 692.45 FT TH S 78 DEG 58 MIN 52 SEC E 0.44 FT TH S 49.97 FT TH E 40.98 FT TH S 43.29 FT TH N 41.04 FT TH S 181.78 FT TH W 30 FT TH S 196.6 FT TO BEG CURVE CONCAVE TO NW HAVING A RAD OF 19.5 FT & C/A OF 59 DEG 50 MIN 20 SEC & BEING SUBTENDED BY A CHORD WHICH BEARS S 56 DEG 53 MIN 06 SEC W 19.45 FT TH SWLY & WLY ALG SD CURVE 20.37 FT TO PT OF REVERSE CURV TH WLY & SWLY & SLY 90.9 FT CONCAVE TO SE HAVING A RAD OF 60.5 FT & C/A OF 86 DEG 05 MIN 15 SEC TH S 3.26 FT TH SLY, SWLY & WLY 14.92 FT ALG CURVE CONCAVE TO NW HAVING A RAD OF 9.5 FT & C/A OF 89 DEG 59 MIN 59 SEC TH W 107.24 FT TO BEG OF CURVE CONCAVE TO NW HAVING A RAD OF 55.98 FT & C/A OF 81 DEG 57 MIN 04 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 49 DEG 34 MIN 17 SEC W 73.42 FT TH SLY, SWLY & WLY ALG SD CURVE 80.07 FT TH W 6.43 FT TH S 131.8 FT TH SLY & SELY 14.27 FT ALG SD CURVE CONCAVE TO E HAVING A RAD OF 26 FT & C/A OF 32 DEG 42 MIN 11 SEC TH N 88 DEG 06 MIN 01 SEC W 77.46 FT TO BEG OF CURVE CONCAVE TO N HAVING A RAD OF 40 FT & C/A OF 43 DEG 31 MIN 52 SEC & BEING SUBTENDED BY CHORD WHICH BEARS S 70 DEG 08 MIN 03 SEC W 29.66 FT TH SWLY & WLY ALG SD CURVE 30.39 FT TH N 88 DEG 06 MIN 01 SEC W 238.87 FT TO BEG OF A CURVE CONCAVE TO NE HAVING A RAD OF 63 FT & C/A OF 65 DEG 47 MIN 29 SEC & BEING SUBTENDED BY CHORD WHICH BEARS N 48 DEG 11 MIN 19 SEC W 68.43 FT TH WLY, NWLY & NLY ALG SD CURVE 72.34 FT TH N 12 DEG 28 MIN 32 SEC W 81.31 FT TO POB TOGW POR CYD TO CY OF PUY PER ETN 4234255 EXC THOSE POR DETER EXEMPT UNDER DOR REG # 01777-001 & 09663-004 ALSO EXC POR CYD TO CY OF PUYALLUP PER ETN 4232324 TOGW VAC ORD 2958 EASE OF RECORD OUT OF 981000-042-0, 043-0, 044-0, 045-0, 046-0, 047-0, 048-0, 049-0, 050-0, 051-0, 052-0, 053-0, 054-0, 066-0, 067-0 SEG 2011-0091 BB 1011110 BB DC00354165 5/22/2014 KG

MECHANICAL INDEX table with columns SHEET NO and SHEET NAME. Includes entries like M-001 MECHANICAL LEGEND, M-002 MECHANICAL BOD AND SPECIFICATIONS, etc.

PER APPLICANT/ENGINEER OF RECORD PIERCE COUNTY HEALTH DEPARTMENT HAS BEEN NOTIFIED OF THE HUMIDIFIER REPLACEMENT.



Approval of submitted plans is not an approval of omissions or oversights by this office or noncompliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.



ISSUES table with columns NO, DATE, and DESCRIPTION. Shows two entries for 09-12-2023 and 11-09-2023 regarding MECHANICAL PERMIT PROGRESS SET and MECHANICAL PERMIT SET.

DESIGNED: JUSTIN S.
DRAWN: JUSTIN S.
CHECKED: DANIEL M.
JOB NO:
ISSUED ON: 09-20-2023
SHEET TITLE:

MECHANICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES

SHEET NUMBER: M-001

GENERAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE AND DETERMINE THE EXACT EXTENT OF WORK...
2. INTERRUPTIONS OF SERVICES (POWER, WATER, HVAC, ETC.) AND WORK IN OCCUPIED TENANT SPACES MUST BE SCHEDULED THROUGH THE BUILDING MANAGER...
3. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR TEMPORARY COOLING DURING CONSTRUCTION...
4. FURNISH LABOR, MATERIALS, EQUIPMENT, APPARATUS, AND APPURTENANCES REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM...
5. VERIFY PHYSICAL DIMENSIONS OF EQUIPMENT. COORDINATE THE EXACT LOCATIONS OF NEW MECHANICAL AND PLUMBING EQUIPMENT WITH THE LOCATIONS OF LIGHTING FIXTURES, PIPING, AND OTHER CONSTRUCTION...
6. COORDINATE THE LOCATION OF DUCTWORK AND PIPING WITH OTHER TRADES...
7. TRADES TO LEAVE 36" CLEARANCE IN FRONT OF MECHANICAL EQUIPMENT ACCESS PANELS FOR SERVICE...
8. INSTALL DUCTWORK AND PIPING TO ALLOW MINIMUM ACCESS OF 6" ABOVE AND TO THE SIDE OF THE ELECTRICAL CABLE TRAYS...
9. SUPPORT CONDUIT, PIPING, AND DUCTWORK INDEPENDENTLY...
10. IN NO INSTANCE SHALL OTHER TRADES HANG OR SUPPORT EQUIPMENT, CEILING WIRES, LIGHT FIXTURE HANGERS, ETC., FROM HVAC EQUIPMENT, DUCTWORK, OR PIPING...
11. CUTTING, FRAMING, PATCHING, AND PAINTING OF WALL, CEILING, AND FLOOR OPENINGS SHALL BE BY MCKINSTRY...
12. OBTAIN APPROVAL OF STRUCTURAL ENGINEER PRIOR TO INSTALLATION OF PENETRATIONS NOT PREVIOUSLY COORDINATED OR AGREED UPON...
13. REFER TO STRUCTURAL DRAWINGS FOR EQUIPMENT SUPPORTS...
14. UNIT WEIGHTS AND LOCATIONS HAVE BEEN COORDINATED TO DETERMINE BUILDING STRUCTURAL ADEQUACY...
15. PROVIDE SEISMIC RESTRAINTS AND ANCHORAGE PER SMACNA AND THE INTERNATIONAL BUILDING CODE FOR EQUIPMENT, PIPING, AND EQUIPMENT...
16. CONCRETE EQUIPMENT CURBS, FLASHINGS, SLEEPERS, CONCRETE STATIONS, EMBED PLATES, PIPING RAT SLABS, SUMP BASINS, AND HOUSEKEEPING PADS ARE SHOWN FOR APPROXIMATE LOCATION AND SIZE AND WILL BE PROVIDED BY MCKINSTRY...
17. CUTTING AND PATCHING OF ROOF OPENINGS SHALL BE BY MCKINSTRY...
18. SLEEPERS, HOUSEKEEPING PADS, EMBED PLATES, AND CANT STRIPS SHALL BE BUILT AND FASTENED TO THE ROOF BY MCKINSTRY...
19. LOUVERS, BOTH DUCTED AND NON-DUCTED, ARE TO BE FURNISHED AND INSTALLED BY MCKINSTRY...
20. VERIFY THAT ALL NECESSARY INFORMATION HAS BEEN PROVIDED PRIOR TO CONNECTION OF EQUIPMENT FURNISHED BY THE OWNER OR OTHERS...
21. PROVIDE ACCESS DOORS IN WALLS AND CEILINGS WHERE ACCESS IS REQUIRED TO CONCEALED MECHANICAL OR PLUMBING EQUIPMENT...
22. PROVIDE PIPE, EQUIPMENT, AND VALVE LABELING FOR IDENTIFICATION...
23. SEAL CONNECTIONS TO AIR SHAFTS AIRTIGHT...
24. LIGHT FIXTURE CLEARANCE: COORDINATE LOCATIONS OF MECHANICAL WORK TO PROVIDE CLEARANCES OVER LIGHTING FIXTURES...
25. PROVIDE MODIFICATIONS TO THE EXISTING SPRINKLER SYSTEM FOR ALL REMODEL AREAS AS NEEDED...
26. PROVIDE FIRE SAFE PENETRATIONS OF FIRE RATED CONSTRUCTION...
27. VARIABLE PITCH SHEAVES TO BE USED FOR SYSTEM BALANCING...

PIPING IDENTIFICATION

Table mapping piping symbols to descriptions: DCW COLD WATER PIPE (POTABLE), DHWR HOT WATER PIPE (POTABLE), DHWR HOT WATER CIRCULATING (POTABLE), V VENT PIPE (SANITARY), etc.

PIPING FITTINGS

Table mapping piping fitting symbols to descriptions: TEE UP, TEE DOWN, TEE DN W/ ELBOW, TEE UP W/ ELBOW, 90° ELBOW UP, 90° ELBOW DN, CAP, UNION, FLANGE, FLEX HOSE CONNECTION, DOUBLE BELLOWS FLEX CONNECTION, SINGLE BELLOWS FLEX CONNECTION, FLOW ARROW, REDUCER, SLOPE SYMBOL, BREAK OR CONTINUATION SYMBOL, DOWN SPOUT NOZZLE, CLEANOUT.

VALVES

Table mapping valve symbols to descriptions: MOTORIZED 2-WAY VALVE, MOTORIZED 3-WAY VALVE, PRESSURE REDUCING VALVE, CONTROL VALVE, RELIEF VALVE, BALL VALVE, 3-WAY VALVE, BUTTERFLY VALVE, DIAPHRAGM VALVE, CHECK VALVE, NEEDLE VALVE, GLOBE VALVE, GLOBE VALVE ANGLE, GLOBE VALVE 3-WAY, GATE VALVE, PLUG VALVE, BALANCING VALVE, AUTO FLOW VALVE, HOSE BIBB.

PIPING ACCESSORIES

Table mapping piping accessory symbols to descriptions: PUMP, MANUAL AIR VENT, AUTOMATIC AIR VENT, HIGH CAPACITY AIR VENT, SHOCK ARRESTOR, FLOW SWITCH, VACUUM BREAKER, PRESSURE GAUGE, TEMPERATURE SENSOR, TEMPERATURE INDICATOR, FLOW METER, Y STRAINER W/ BALL VALVE, PIPE SLEEVE, STEAM TRAP, PETES PLUG, SUCTION DIFFUSER W/ STRAINER, REDUCED PRESSURE BACKFLOW PREVENTER, FUNNEL DRAIN, FLOOR DRAIN, ROOF DRAIN, ROOF OVERFLOW DRAIN, FLOOR SINK.

ABBREVIATIONS

Table of abbreviations categorized by GENERAL, PLUMBING, and other sections. Includes terms like AFF ABOVE FINISHED FLOOR, BHP BRAKE HORSEPOWER, CL CENTER LINE, etc.

GENERAL INFORMATION SYMBOLS

Table of general information symbols: NEW PLUMBING WORK, FUTURE TI SCOPE & NEW WORK OTHER THAN PLUMBING, POINT OF CONNECTION, POINT OF DEMOLITION, CENTERLINE, KEY NOTE REFERENCE, PLUMBING FIXTURE CALLOUT, PLUMBING RISER CALLOUT, PLUMBING RISER #, PLAN NUMBER, SHEET NUMBER WHERE PLAN SHOWN, DETAIL OR DIAGRAM NUMBER, SHEET NUMBER WHERE DETAIL/DIAGRAM SHOWN, SECTION LETTER, SHEET NUMBER WHERE SECTION SHOWN, REVISION NUMBER, REVISION CLOUD, DETAIL REFERENCE OUTLINE.

PROJECT:
GSH HUMIDIFIER REPLACEMENT

PRMH20231683

401 15TH AVE SE
PUYALLUP, WA 98372

CONSULTANTS:

STEAM TO STEAM GENERATOR SCHEDULE

TAG	DESCRIPTION	SERVES	MANUFACTURER	MODEL	PRESSURE (PSI)	CAPACITY (LBS/HR)	CAPACITY (GPM)	CONTROL VALVE SIZE (IN)	CONTROL VALVE QTY	V/PH	FLA	WEIGHT	NOTES
H-SF-1	STEAM GENERATOR	SF-1	DRISTEEM	800	15	898	1.79	1.5	2	120/1	3	1450	3,4
H-SF-2	STEAM GENERATOR	SF-2	DRISTEEM	800	15	898	1.79	1.5	2	120/1	3	1450	1,3,4
H-AHU-SS	STEAM GENERATOR	SUPPORT SERVICES AHU	DRISTEEM	400	10	580	1.16	2	1	120/1	3	950	3,4
H-AHU-1	STEAM GENERATOR	AHU-1	DRISTEEM	100	10	320	0.64	1.5	1	120/1	3	350	3,4
H-AHU-2	STEAM GENERATOR	AHU-2	DRISTEEM	100	10	320	0.64	1.5	1	120/1	3	350	3,4
H-AHU-3A	STEAM GENERATOR	AHU-3-H6	DRISTEEM	25	10	25	0.05	0.75	1	120/1	3	175	2,3,4
H-AHU-3B	STEAM GENERATOR	AHU-3-H7	DRISTEEM	25	10	30	0.06	0.75	1	120/1	3	175	2,3,4
H-AHU-3C	STEAM GENERATOR	AHU-3-H8	DRISTEEM	25	10	25	0.05	0.75	1	120/1	3	175	2,3,4
H-AHU-3D	STEAM GENERATOR	AHU-3-H9	DRISTEEM	25	10	25	0.05	0.75	1	120/1	3	175	2,3,4
H-AHU-3E	STEAM GENERATOR	AHU-3-H10	DRISTEEM	25	10	25	0.05	0.75	1	120/1	3	175	2,3,4
H-AHU-3F	STEAM GENERATOR	AHU-3-PACU	DRISTEEM	25	10	50	0.10	0.75	1	120/1	3	175	2,3,4

NOTES:

- UNIT TO BE ROTATED FROM ORIGINAL ORIENTATION TO IMPROVE MAINTENANCE ACCESS.
- CONNECTS TO COMMON HEADER FOR LPS AND CONDENSATE LINES.
- REUSE EXISTING DISPERSION TUBES AND SPACE HUMIDITY SENSOR.
- EXISTING CONTROL SENSORS (HIGH LIMIT HUMIDISTAT, AIRFLOW PROVING SWITCH AND HUMIDITY TRANSMITTER) TO BE REPLACED BY CC.

STEAM PRESSURE REDUCING VALVES

TAG	DESCRIPTION	MANUFACTURER	MODEL	LOCATION	SIZE	INLET PRESSURE (PSI)	OUTLET PRESSURE (PSI)	CAPACITY (LBS/HR)	NOTES
PRV-SF-1	SINGLE PRV FOR STEAM GENERATOR	Spirax Sarco	25P	ROOF MECH ROOM	1"	70	15	1415	YELLOW SPRING
PRV-SF-2	SINGLE PRV FOR STEAM GENERATOR	Spirax Sarco	25P	ROOF MECH ROOM	1"	70	15	1415	YELLOW SPRING

STEAM SAFETY VALVES

TAG	MANUFACTURER	MODEL	LOCATION	SIZE	ORIFICE	PRESSURE SETTING (PSI)	CAPACITY (LBS/HR)
SV-SF-1	SPIRAX SARCO	SV73	ROOF MECHANICAL ROOM	1-1/2" x 2-1/2"	H	20	1403
SV-SF-2	SPIRAX SARCO	SV73	ROOF MECHANICAL ROOM	1-1/2" x 2-1/2"	H	20	1403

NOTES:

- PROVIDE DRIP PAN ELBOW

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ISSUES:

NO	DATE	DESCRIPTION
01	09-12-2023	MECHANICAL PERMIT PROGRESS SET
02	11-09-2023	MECHANICAL PERMIT SET

DESIGNED: _____
DRAWN: _____
CHECKED: _____
JOB NO: _____
ISSUED ON: _____
SHEET TITLE:

SCHEDULES

SHEET NUMBER:

M-060

PROJECT:
GSH HUMIDIFIER REPLACEMENT

PRMH20231683

401 15TH AVE SE
PUYALLUP, WA 98372

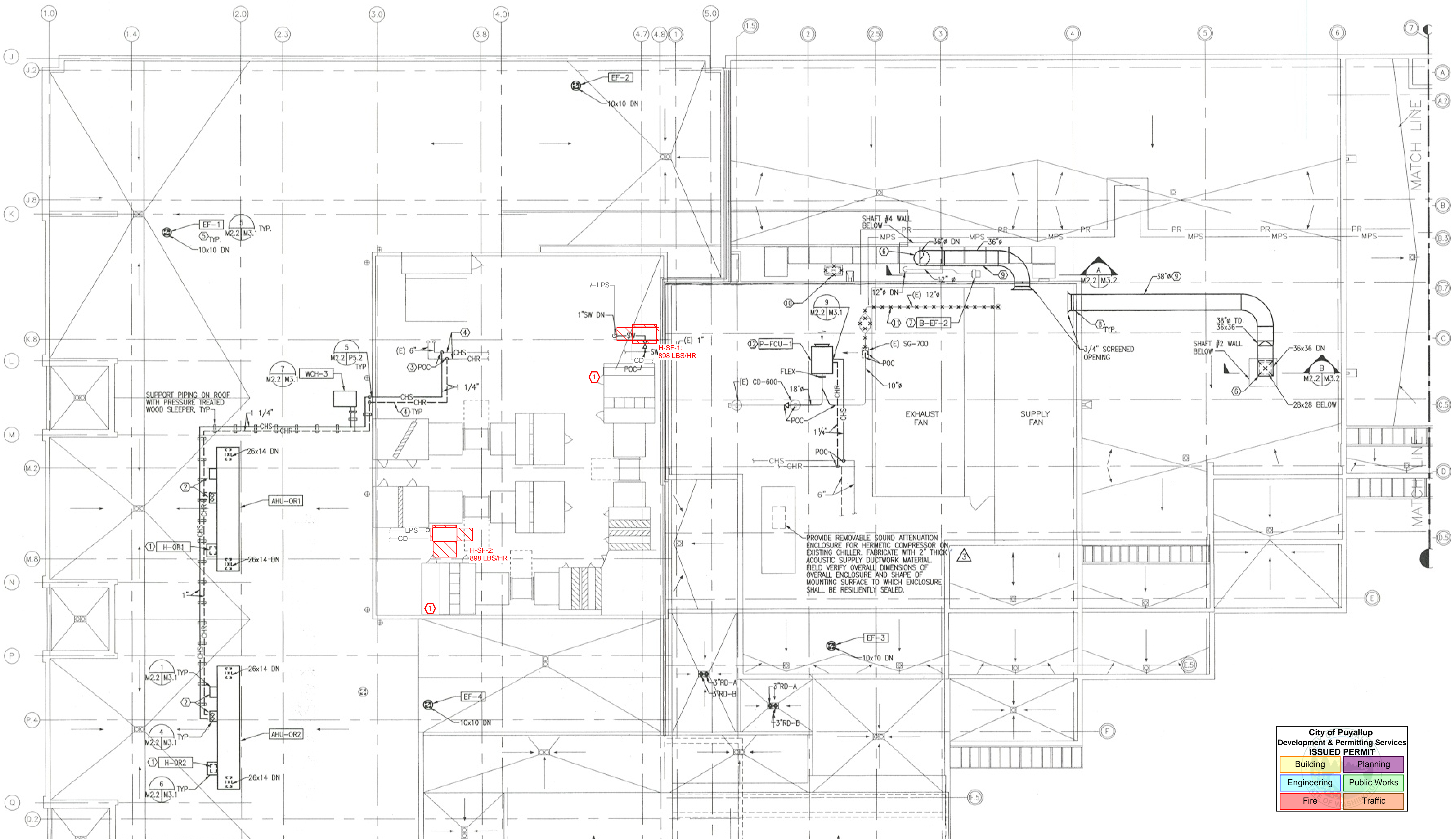
CONSULTANTS:

GENERAL NOTES:

- 1. DEMO STEAM GENERATORS.

KEYED NOTES:

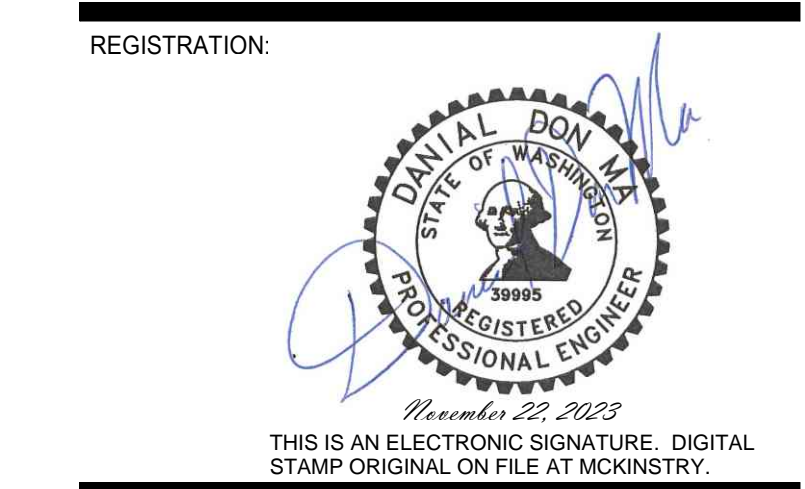
- ① EXISTING HUMIDIFIER DISPERSION TUBES.



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ROOF FLOOR PLAN - MECHANICAL PIPING - DEMO
SCALE: 1/8"=1'-0"



ISSUES:

NO	DATE	DESCRIPTION
01	09-12-2023	MECHANICAL PERMIT PROGRESS SET
02	11-09-2023	MECHANICAL PERMIT SET

DESIGNED: _____
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JOB NO: _____
ISSUED ON: _____
SHEET TITLE:
**ROOF FLOOR PLAN -
MECHANICAL PIPING -
DEMO**

PROJECT:
**GSH HUMIDIFIER
REPLACEMENT**

PRMH20231683

401 15TH AVE SE
PUYALLUP, WA 98372

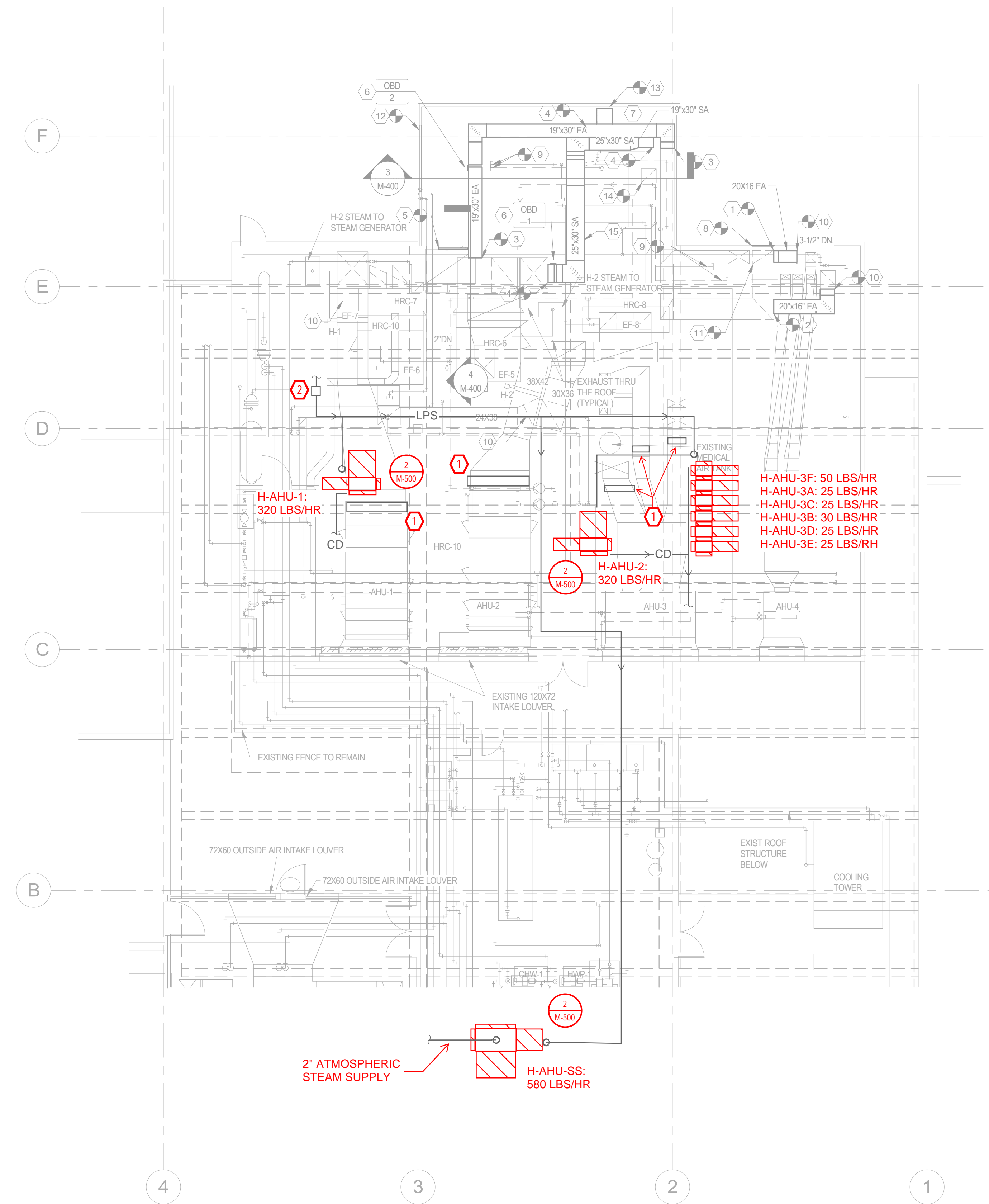
CONSULTANTS:

GENERAL NOTES:

- 1. DEMO STEAM GENERATORS.**

KEYED DEMO NOTES:

- Ⓛ EXISTING HUMIDIFIER DISPERSION TUBES.
- Ⓜ EXISTING PRV SET TO 10 PSI.



**City of Puyallup
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	02	11-09-2023	MECHANICAL PERMIT SET

DESIGNED: _____
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 CHECKED: _____
 JOB NO: _____
 ISSUED ON: _____
 SHEET TITLE: _____

**PENTHOUSE FLOOR
PLAN - MECHANICAL
PIPING - DEMO**

SHEET NUMBER:

MPD-102

PROJECT:
GSH HUMIDIFIER REPLACEMENT

PRMH20231683

401 15TH AVE SE
PUYALLUP, WA 98372

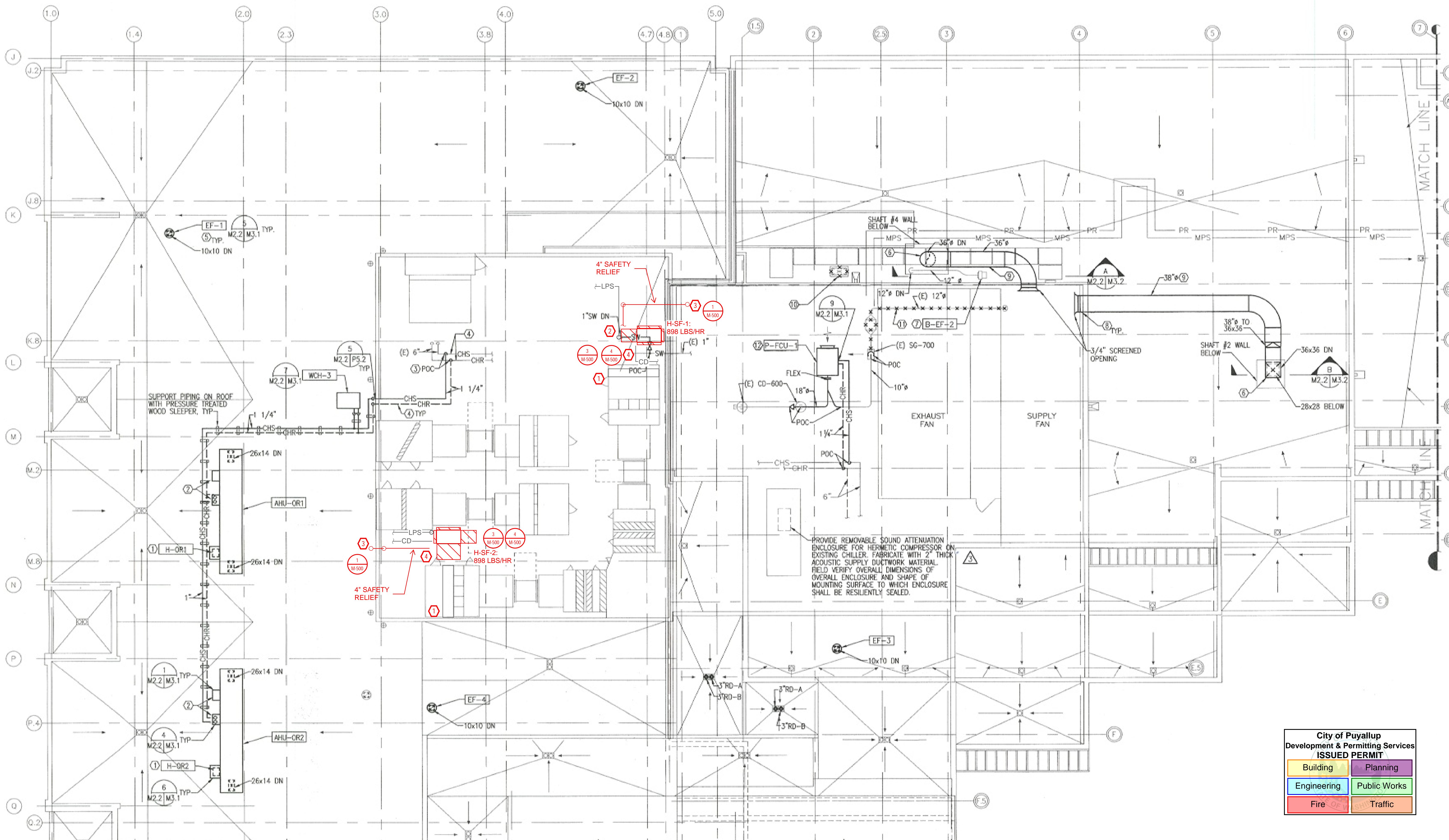
CONSULTANTS:

GENERAL NOTES:

1. RECONNECT ALL EXISTING DISPERSION UNITS TO REPLACED STEAM GENERATORS.
2. NEW STEAM GENERATORS TO MATCH CAPACITY OF EXISTING UNITS, NO ADJUSTMENT OF UPSTREAM DEVICES REQUIRED.

KEYED NOTES:

- ① EXISTING HUMIDIFIER DISPERSION TUBES.
- ② CONTROL PANEL TO BE MOUNTED REMOTELY.
- ③ SAFETY RELIEF OUTDOOR DISCHARGE. MAINTAIN MINIMUM OF 10 FT FROM PROPERTY LINES, 3 FEET FROM EXTERIOR WALLS AND ROOFS, AND 10 FT FROM OPENINGS INTO THE BUILDING.
- ④ PROVIDE NEW STEAM PRESSURE REDUCING STATION AND SAFETY RELIEF VALVES.

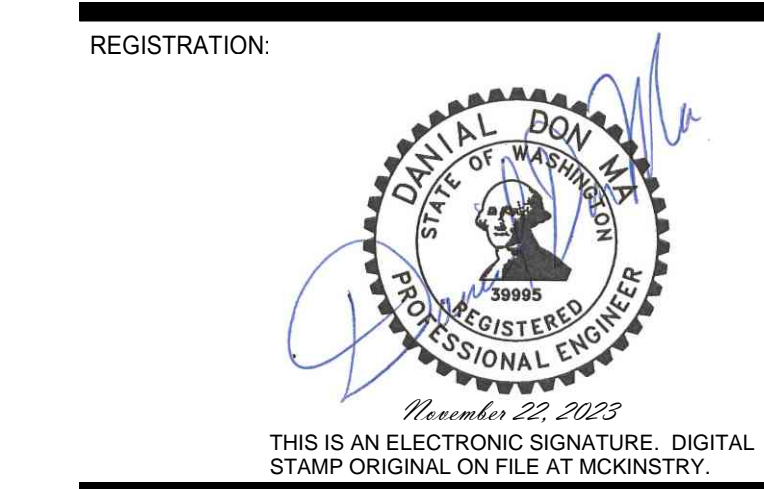


PROVIDE REMOVABLE SOUND ATTENUATION ENCLOSURE FOR HERMETIC COMPRESSOR ON EXISTING CHILLER. FABRICATE WITH 2" THICK ACOUSTIC SUPPLY DUCTWORK MATERIAL. FIELD VERIFY OVERALL DIMENSIONS OF OVERALL ENCLOSURE AND SHAPE OF MOUNTING SURFACE TO WHICH ENCLOSURE SHALL BE RESILIENTLY SEALED.

City of Puyallup
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ROOF FLOOR PLAN - MECHANICAL PIPING
SCALE: 1/8"=1'-0"



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01	09-12-2023	MECHANICAL PERMIT PROGRESS SET
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ROOF FLOOR PLAN - MECHANICAL PIPING

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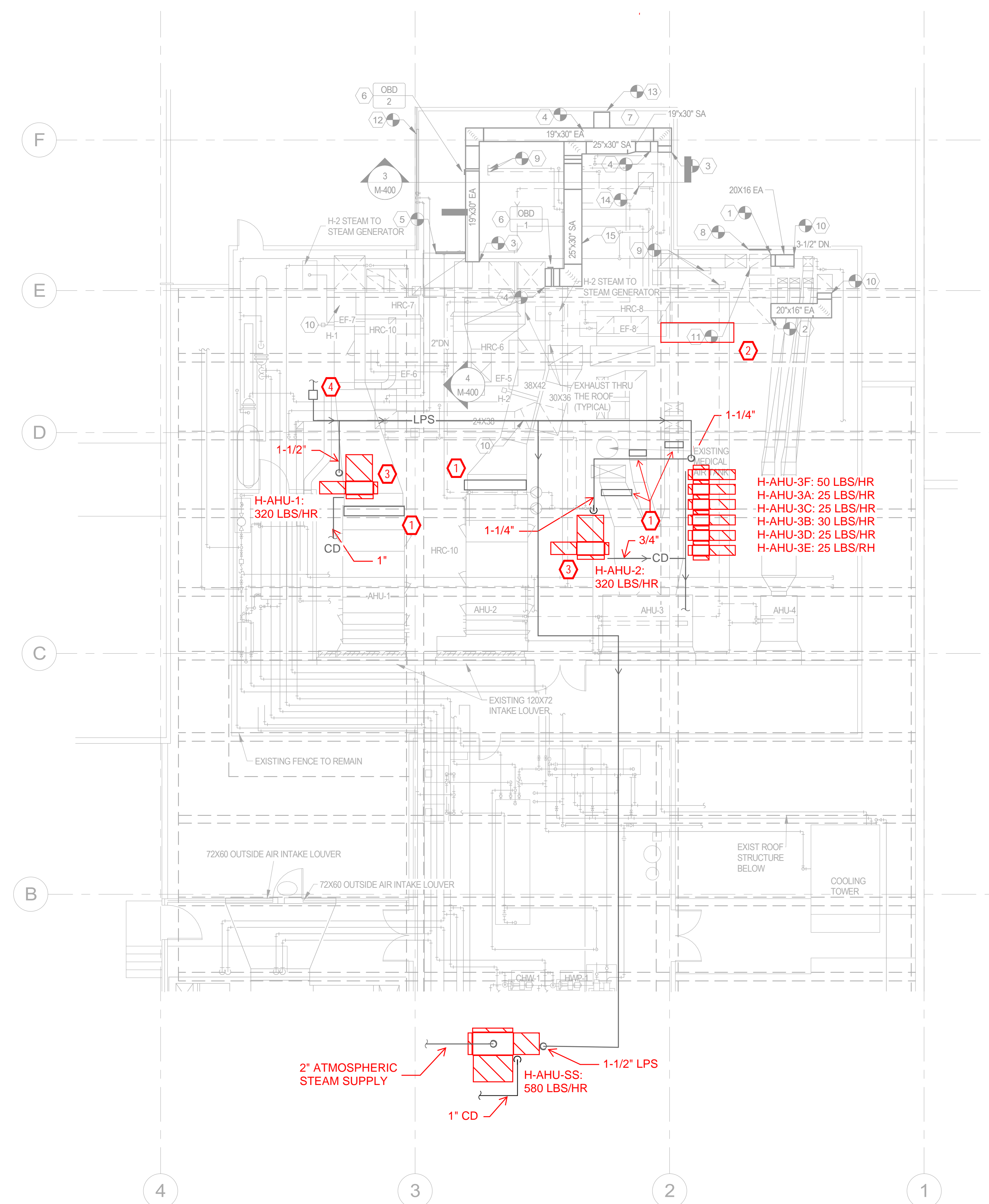
CONSULTANTS:

GENERAL NOTES:

1. RECONNECT ALL EXISTING DISPERSION UNITS TO REPLACED STEAM GENERATORS.
2. NEW STEAM GENERATORS TO MATCH CAPACITY OF EXISTING UNITS, NO ADJUSTMENT OF UPSTREAM DEVICES REQUIRED.
3. ALL ATMOSPHERIC STEAM HOSES CONNECTED TO EXISTING DISPERSION UNITS TO BE REPLACED WITH HARD PIPE KIT.

KEYED NOTES:

- 1 EXISTING HUMIDIFIER DISPERSION TUBES.
- 2 AHU-3 HUMIDIFIER CONTROL PANELS MOUNTED REMOTELY ON NEW WALL BOARD.
- 3 HUMIDIFIER CONTROL PANEL MOUNTED TO UNIT.
- 4 EXISTING PRV SET TO 10 PSI.



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PENTHOUSE FLOOR PLAN - MECHANICAL PIPING

SHEET NUMBER:

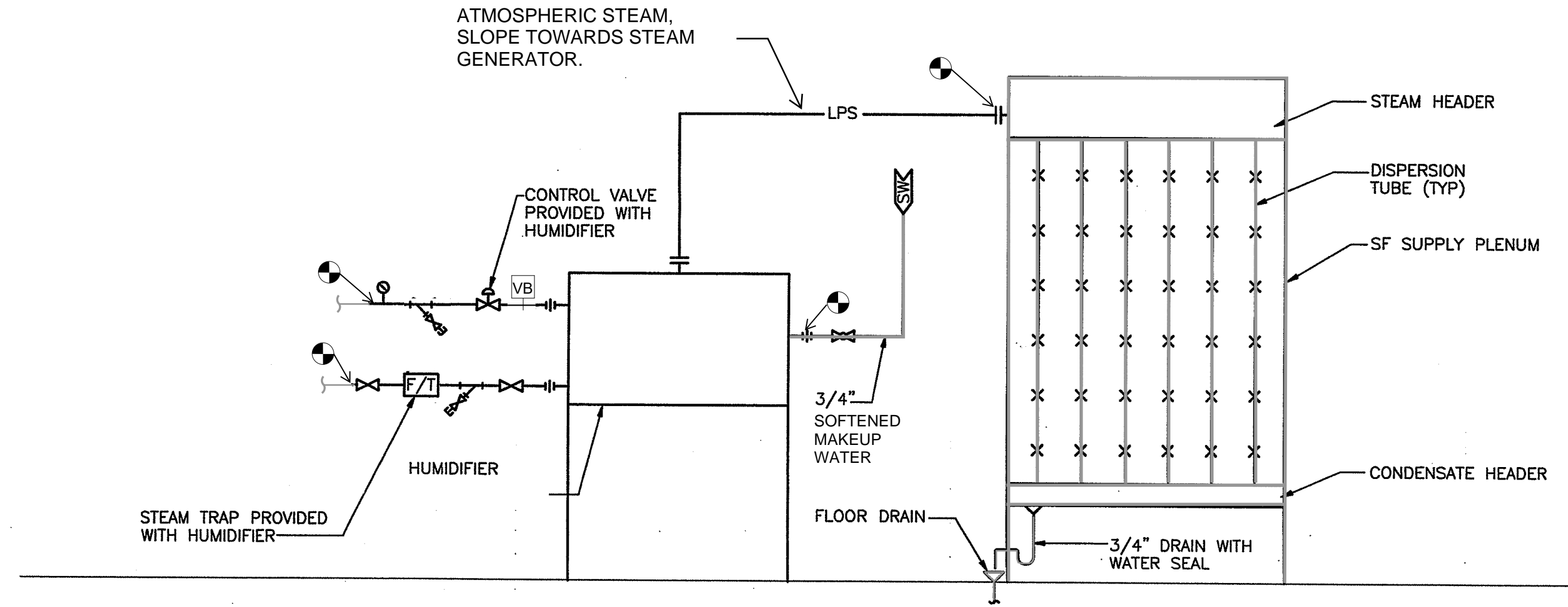
MP-102

PROJECT:
GSH HUMIDIFIER REPLACEMENT

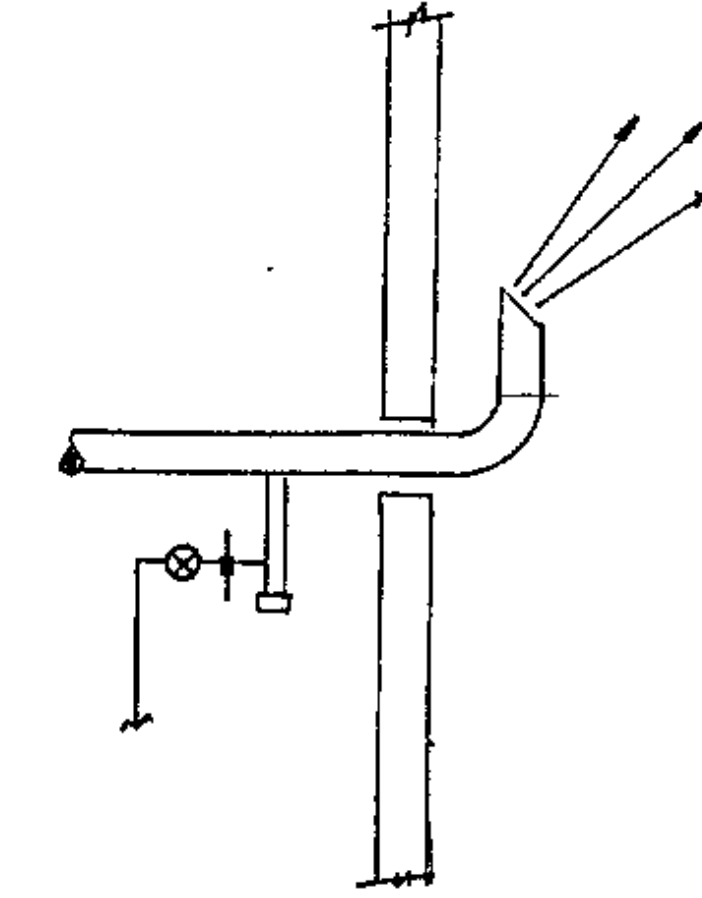
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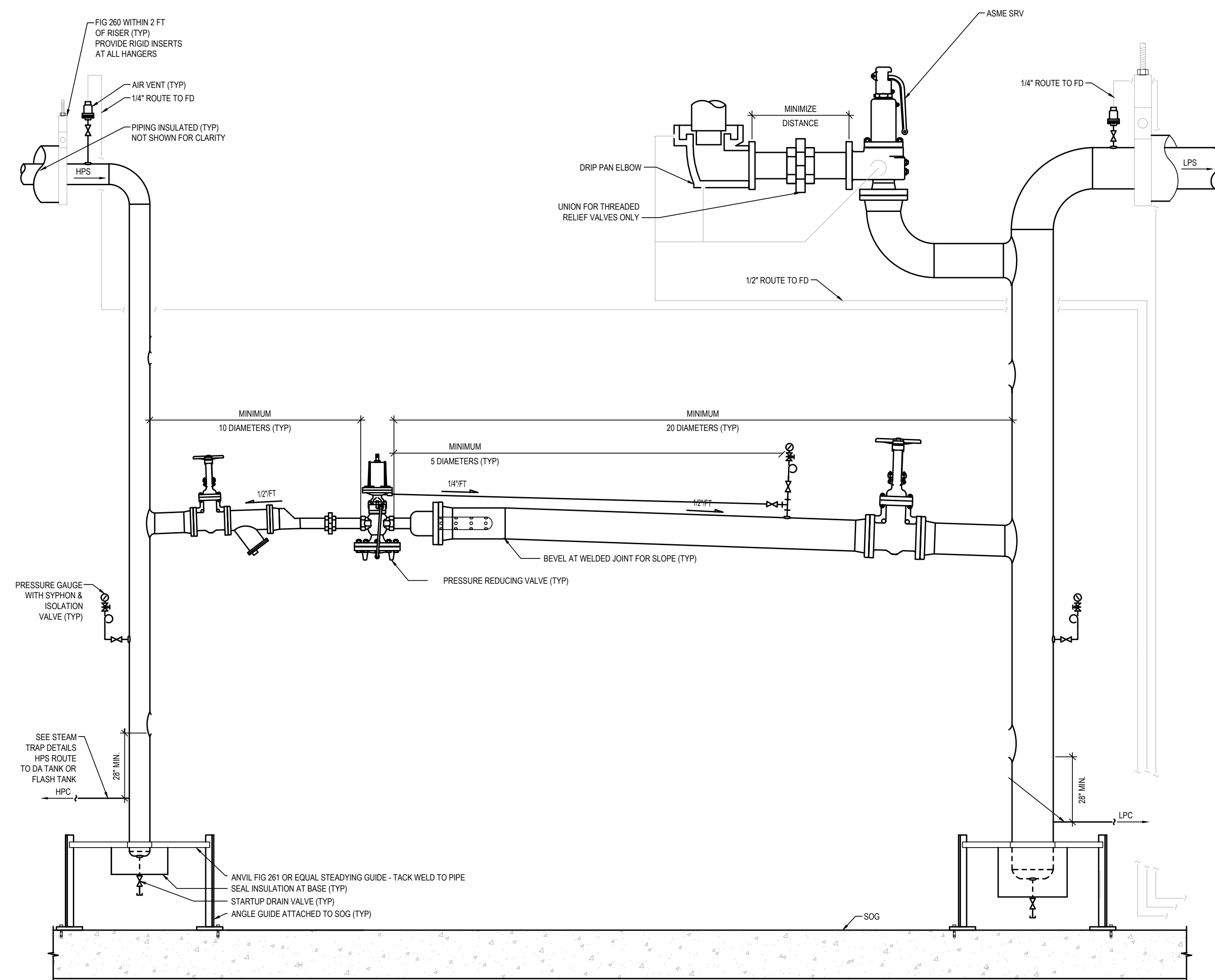
CONSULTANTS:



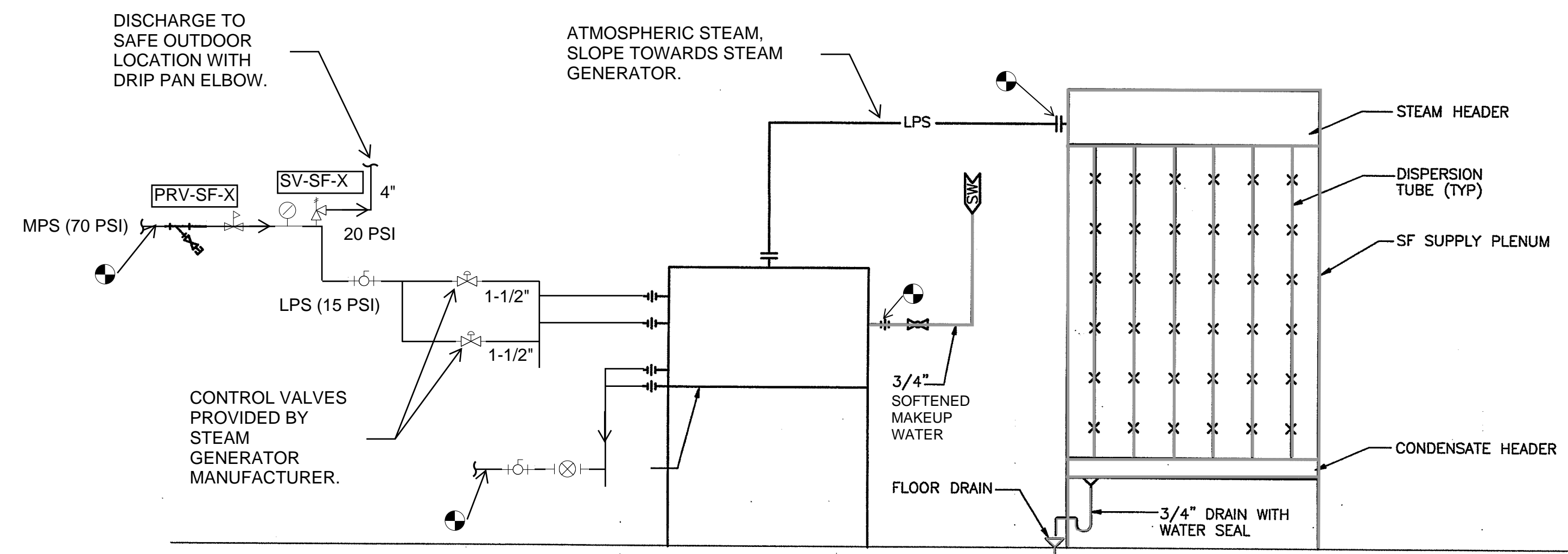
2 TYPICAL HUMIDIFIER PIPING DIAGRAM
SCALE: NONE



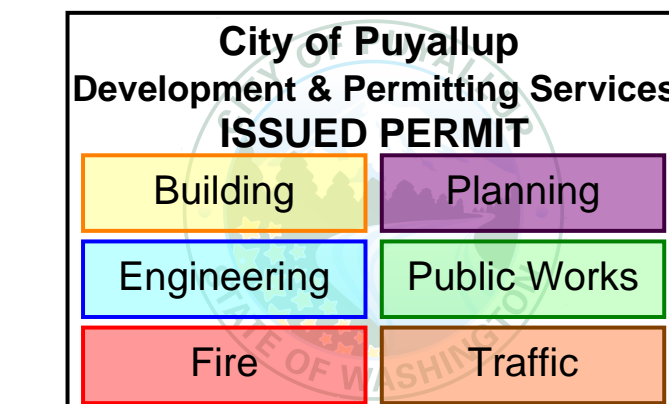
1 SAFETY VALVE DISCHARGE OUTDOOR TERMINATION
NTS



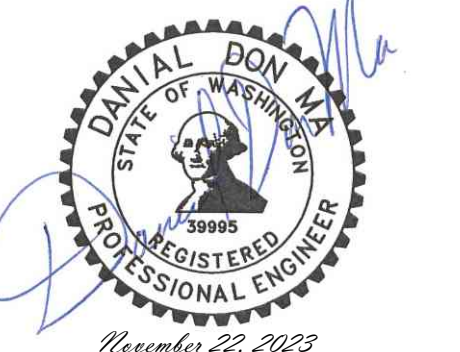
4 PRESSURE REDUCING VALVE STATION DETAIL
NTS



3 TYPICAL STS-800 DUAL CONNECTION DIAGRAM
SCALE: NONE



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01	09-12-2023	MECHANICAL PERMIT PROGRESS SET
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DESIGNED: _____
DRAWN: _____
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JOB NO: _____
ISSUED ON: _____
SHEET TITLE:

MECHANICAL DETAILS

SHEET NUMBER:

M-500

GENERAL NOTES

THE GENERAL NOTES SUPPLEMENT THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS. IF A CONFLICT IS NOTED, CONTACT THE ENGINEER PRIOR TO CONSTRUCTION.

REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION.

CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE OWNER OF ANY DISCREPANCY AND RESOLVE CONFLICTS PRIOR TO CONSTRUCTION.

DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, BUT ARE OF SIMILAR CHARACTER AS DETAILS INDICATED. USE SIMILAR DETAIL OF CONSTRUCTION, SUBJECT TO REVIEW BY THE ENGINEER OF RECORD.

THE DRAWINGS INDICATE THE STRUCTURE IN ITS FINAL CONDITION. THE CONTRACTOR IS TO PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO: BRACING, SHORING AND SEQUENCING TO MAINTAIN STABILITY DURING CONSTRUCTION.

INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENT THE PRESENT KNOWLEDGE BUT WITHOUT CERTAINTY OF ACCURACY. CONTRACTOR IS TO REPORT ANY DISCREPANCY TO THE OWNER AND ENGINEER OF RECORD. CONTRACTOR SHALL NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE ENGINEER.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EQUIPMENT, SUPPORTS, AND SEISMIC RESTRAINTS PRIOR TO FABRICATION. IDENTIFICATION OF EXISTING UTILITIES THAT INTERFERE WITH EQUIPMENT INSTALLATION IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO NOTIFY THE ENGINEER IF FIELD CONDITIONS RESTRICT THE INSTALLATION OF COMPONENTS OR RESTRAINTS SHOWN ON THE DRAWINGS.

CONSTRUCTION TOLERANCES:
UNLESS NOTED OTHERWISE, STANDARD CONSTRUCTION TOLERANCES SHALL BE BASED ON THE REQUIREMENTS OF THE AISC CODE OF STANDARD PRACTICE AND ACI 117, STANDARD SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS. ANY CONSTRUCTION TOLERANCES NOTED IN THE DRAWINGS OR SPECIFICATION ARE TO BE CONSIDERED IN CONJUNCTION WITH THE STANDARD TOLERANCES AS INDICATED ABOVE, UNLESS SPECIFICALLY NOTED AS AN EXCEPTION TO, OR IN LIEU OF A STANDARD TOLERANCE.

DESIGN CRITERIA

CODES: IBC 2018 EDITION ALONG WITH WASHINGTON AMENDMENTS, ASCE 7-16, ACI 318-14

LOADING:
DEAD LOADS:
H-SF-1 WT = 1450 LBS LKWXH = 55'X30'X30"
H-SF-2 WT = 1450 LBS LKWXH = 55'X30'X30"
H-AHU-SS WT = 950 LBS LKWXH = 55'X30'X20"
SEISMIC LOADS:
SDS = 1.013 DESIGN SHORT PERIOD ACCELERATION
IP = 1.5 SEISMIC IMPORTANCE FACTOR

CONCRETE

ANCHORAGE TO HARDENED CONCRETE:
ANCHORAGE TO HARDENED CONCRETE IS TO INCLUDE MECHANICAL AND ADHESIVE ANCHORS OF SIZE, NUMBER, AND SPACING SHOWN ON THE DRAWINGS. HOLES ARE TO BE DRILLED AND CLEANED, AND ANCHORS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED INSTRUCTIONS AND AN APPROVED ICC-ES REPORT. INSPECTION AND TESTING IS TO BE CONDUCTED IN ACCORDANCE WITH THE GENERAL NOTES AND THE APPROVED ICC-ES REPORT.

WHERE A SPECIFIC TYPE OF ANCHORAGE IS SPECIFIED ON THE DRAWINGS, SUBSTITUTION FOR A DIFFERENT TYPE OF ANCHORAGE, INCLUDING SUBSTITUTION FOR CAST-IN-PLACE ANCHORAGE, IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL.

ANCHORS ARE TO BE INSTALLED AND INSPECTED IN STRICT ACCORDANCE WITH THE APPLICABLE ICC-EVALUATION SERVICE REPORT (ESR). SPECIAL INSPECTION IS TO BE PER THE TESTS AND INSPECTIONS SECTION.

MECHANICAL ANCHORS:
PROVIDE ANCHORS SPECIFIED ON THE DRAWINGS. AT LOCATIONS WHERE ANCHORAGE IS NOT SPECIFIED, PROVIDE HELIX KWIK BOLT TYPE T2 ANCHORS, INSTALLED PER CRITERIA DEFINED IN ICC ESR-1917. PROVIDE STAINLESS STEEL ANCHORS WHEN EXPOSED TO WEATHER OR IN A CLEAN ENVIRONMENT. PROVIDE GALVANIZED CARBON STEEL ANCHORS AT OTHER LOCATIONS. TYP UNO. LOCATE REINFORCEMENT AND CONFIRM FINAL ANCHOR LOCATIONS PRIOR TO FABRICATING PLATES, MEMBERS, AND OTHER ATTACHED STEEL ASSEMBLIES.

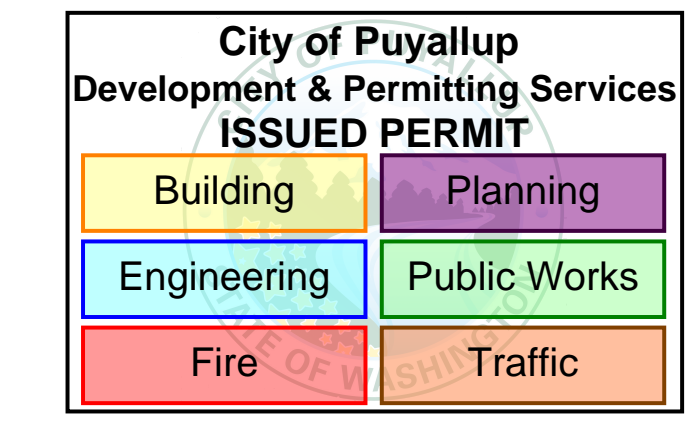
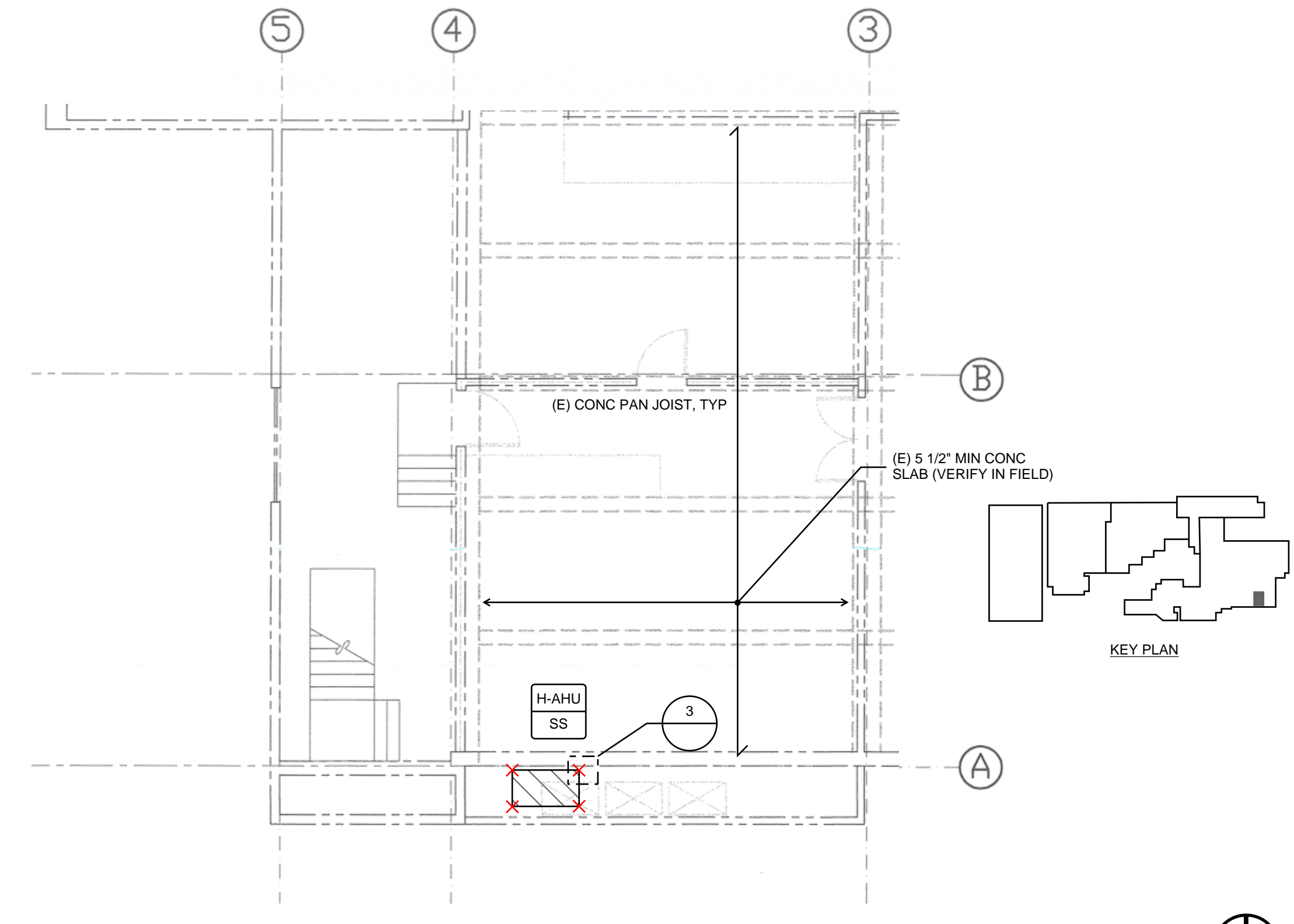
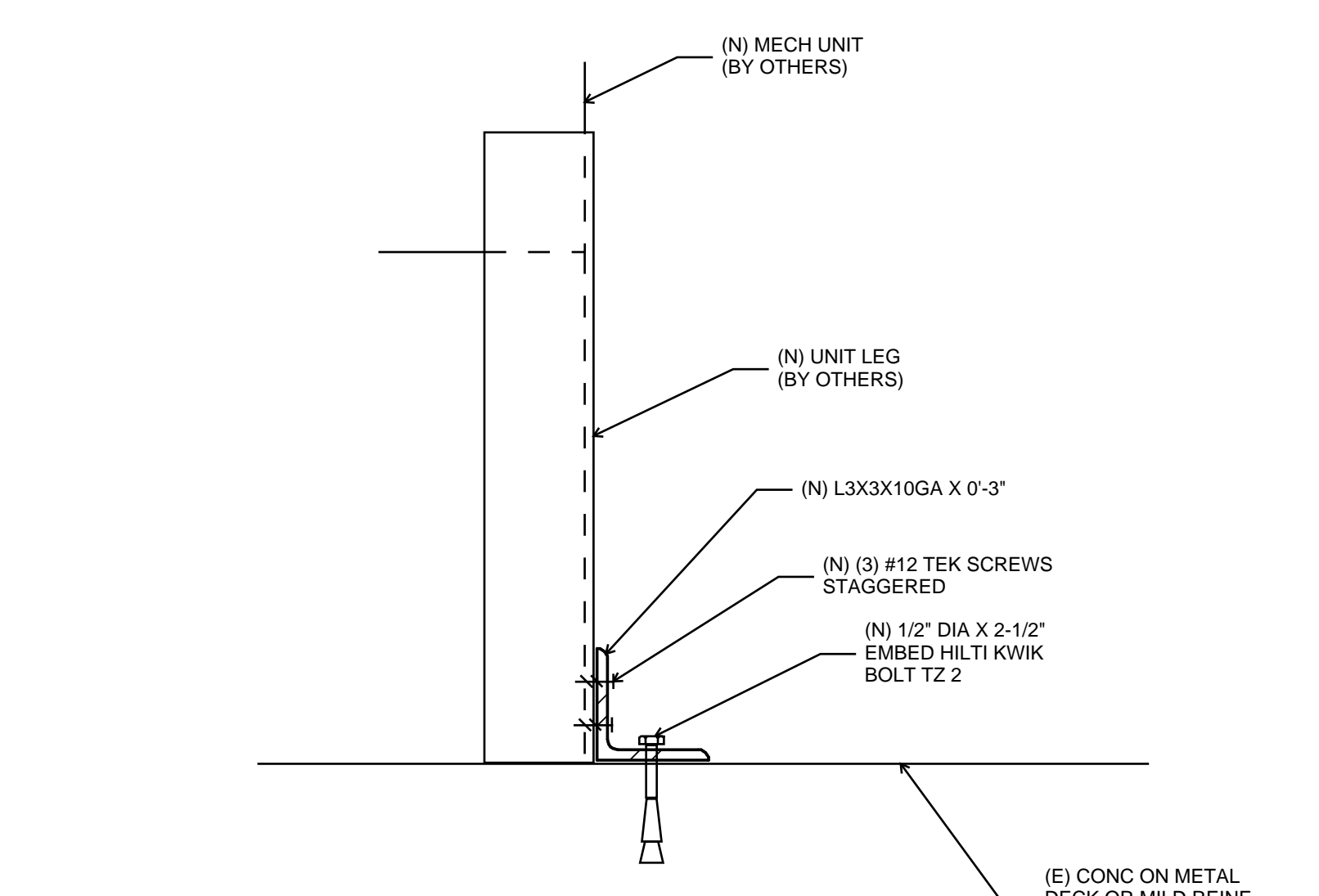
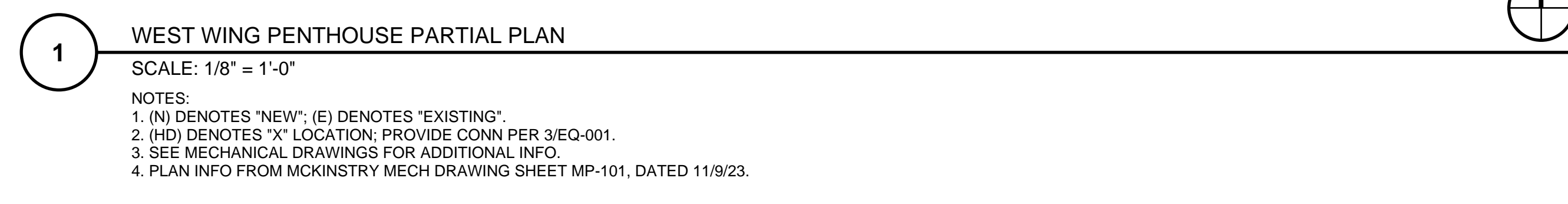
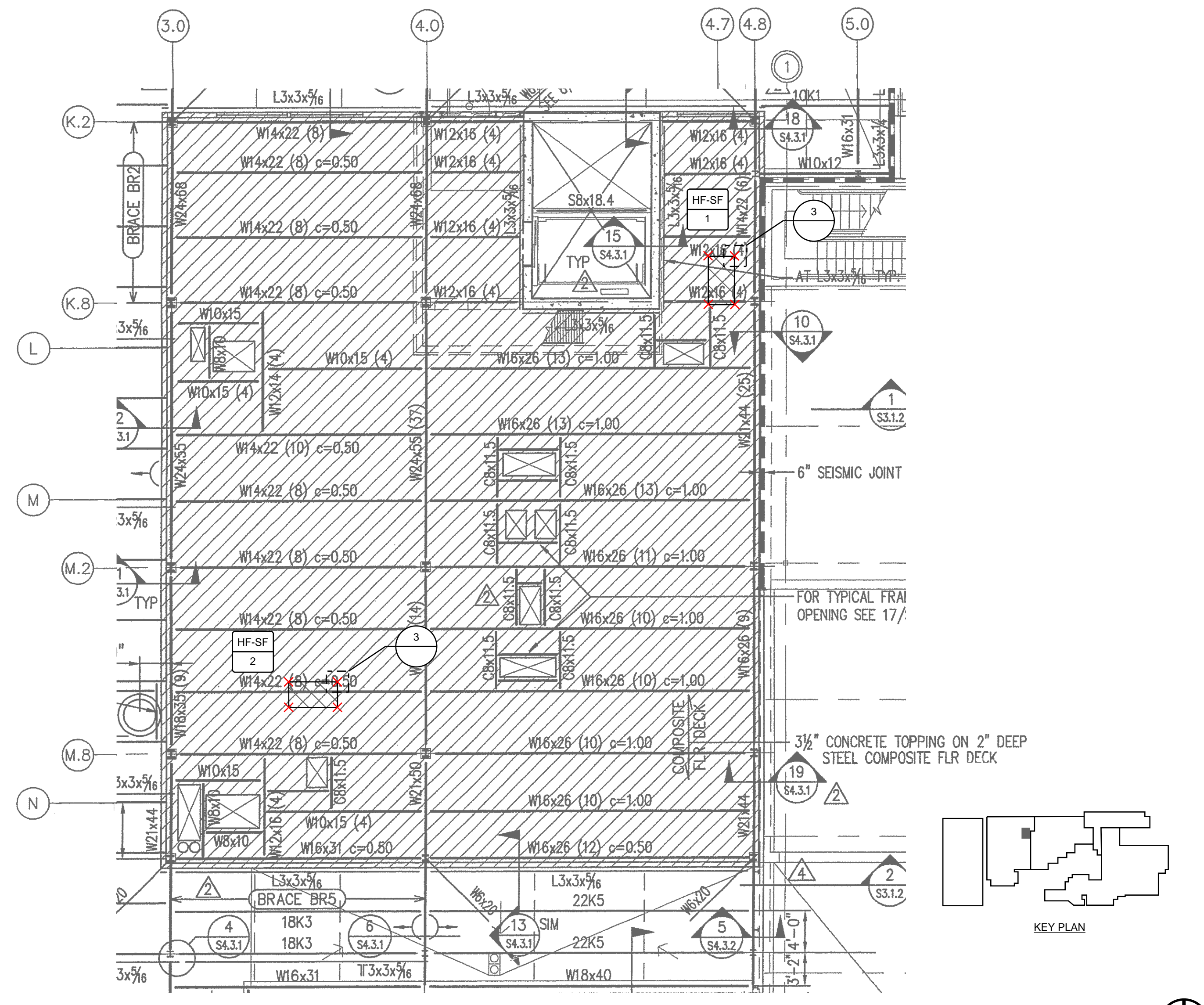
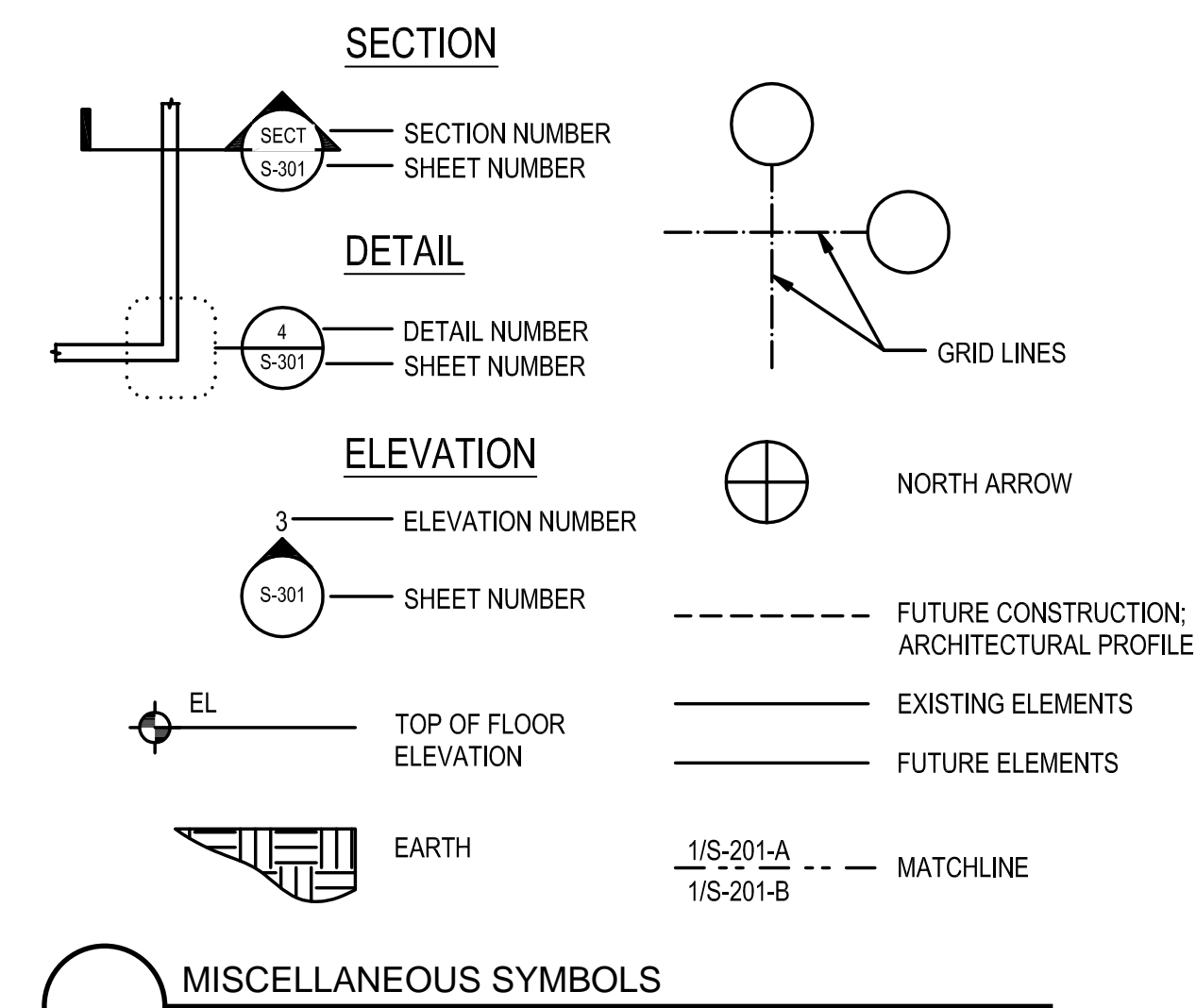
MISCELLANEOUS

REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, CIVIL, OR OTHER DRAWINGS FOR DIMENSIONS NOT SHOWN, INCLUDING INFORMATION SUCH AS: SIZE AND LOCATION OF CURBS, EQUIPMENT HOUSEKEEPING PADS, WALL AND FLOOR OPENINGS, BLOCK OUTS, FLOOR DEPRESSIONS, SUMPS, DRAINS, ANCHOR BOLTS, EMBEDDED ITEMS, ARCHITECTURAL TREATMENT, ETC. CONTRACTOR TO COORDINATE DIMENSIONS AND RESOLVE DISCREPANCIES OR CONFLICTS PRIOR TO CONSTRUCTION.

SPECIAL INSPECTION

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION AND TESTING PER IBC SECTION 1705. THIS WORK SHALL BE PERFORMED BY A SPECIAL INSPECTOR CERTIFIED BY THE APPROPRIATE JURISDICTION TO PERFORM THE TYPES OF INSPECTIONS AND TESTS SPECIFIED. THE FREQUENCY OF INSPECTIONS AND TESTING SHALL BE AS OUTLINED IN THE IBC TABLE. DEFICIENCIES ARE TO BE REPORTED DAILY TO THE CONTRACTOR. SUMMARY REPORTS SHALL BE DISTRIBUTED WEEKLY TO THE OWNER, ARCHITECT, CONTRACTOR, BUILDING OFFICIAL, AND STRUCTURAL ENGINEER. SEE THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTIONS AND TESTING. SEE IBC SECTION 1705 FOR ADDITIONAL INFORMATION.

SPECIAL CASES:
1. DRILLED-IN CONCRETE ANCHORS SPECIAL PERIODIC INSPECTION



REGISTRATION:

EXPIRES: 9-23-24
THIS IS AN ELECTRONIC SIGNATURE. DIGITAL STAMP ORIGINAL ON FILE AT MCKINSTRY.

ISSUES:

NO	DATE	DESCRIPTION
1	11/9/23	PERMIT SET

DESIGNED: HBS
DRAWN: HBS
CHECKED: JWG
JOB NO: 124212

SHEET TITLE:
GENERAL NOTES, PARTIAL PLANS & CONNECTION DETAILS