

**GENERAL MECHANICAL NOTES:**

- IN THE EVENT A DISCREPANCY IS FOUND IN THE CONTRACT DOCUMENTS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- ALL WORK SHALL BE PERFORMED BY QUALIFIED MECHANICAL AND PLUMBERS UNDER THE DIRECTION OF AN EXPERIENCED SUPERVISOR. IN INSTALLING EQUIPMENT AND SYSTEMS OF SIMILAR TYPE AS INDICATED BY THE CONTRACT DOCUMENTS.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT RULES AND REGULATIONS OF THE STATE AND LOCAL CODES AND IN ACCORDANCE WITH CURRENT INDUSTRY STANDARDS.
- PROVIDE ALL EQUIPMENT MATERIALS, LABOR SUPERVISION, AND SERVICES NECESSARY FOR OR INCIDENTAL TO THE INSTALLATION OF A COMPLETE AND OPERATING HVAC, FIRE PROTECTION, AND/OR PLUMBING SYSTEM AS SHOWN OR INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED.
- CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO PROTECT ALL EXISTING OPERATIONS AND PROPERTY ADJACENT, WITH WHICH WORK COMES IN CONTACT, OR OVER WHICH HE MAY TRANSPORT, STORE, OR OPERATE EQUIPMENT, MATERIALS, ETC., AND SHALL REPAIR ANY DAMAGE CAUSED TO MATCH EXISTING BEFORE DAMAGE.
- CONTRACTOR SHALL EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS IN THEIR ENTIRETY. SURVEY THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND SCOPE OF WORK. ALL COSTS SUBMITTED SHALL BE BASED ON A THOROUGH KNOWLEDGE OF ALL WORK AND MATERIALS REQUIRED. ANY ADDITIONAL COSTS DUE TO FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- VERIFY THE CONDITION AND LOCATION OF UTILITIES. ANY ITEMS REQUIRING REPAIR OR RELOCATION SHALL BE REPAIRED OR RELOCATED TO PROVIDE THE OWNER A COMPLETE AND OPERATING MECHANICAL SYSTEM. OBTAIN APPROVAL FROM THE OWNER PRIOR TO RELOCATION OF EXISTING SERVICES OR COMPONENTS.
- PRODUCTS OF A SIMILAR NATURE SHALL BE OF THE SAME TYPE AND MANUFACTURER. PROVIDE THE STANDARD PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SPECIFIED PRODUCTS, UNLESS OTHERWISE REQUIRED BY DRAWINGS OR SPECIFICATIONS. ALL SUCH PRODUCTS SHALL BE LISTED, LABELED, OR CERTIFIED BY UNDERWRITERS LABORATORIES.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK.
- CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
- CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT SITE AND BE RESPONSIBLE FOR CORRECTNESS OF SAME.
- CONNECT NEW WORK TO EXISTING CONSTRUCTION IN NEAT AND APPROVED MANNER. RESTORE EXISTING WORK IN MAKING SUCH CONNECTION TO PERFECT CONDITION.
- ALL WORK SHALL BE INSTALLED READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR.
- ALL WORK AND EQUIPMENT TO BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF FINAL PAYMENT AND ACCEPTANCE.
- ALL CUTTING AND PATCHING IN CONNECTION WITH THIS TRADE SHALL BE DONE BY THIS CONTRACTOR.
- STORE MATERIALS IN SPACES DESIGNATED BY OWNER.
- REMOVE RUBBISH FROM PREMISES AS OFTEN AS NECESSARY OR DIRECTED.
- EQUIPMENT INTENDED FOR PERMANENT INSTALLATION SHALL NOT BE OPERATED FOR TEMPORARY PURPOSES.
- ALL WORK AND EQUIPMENT SHALL BE CLEANED TO THE SATISFACTION OF THE OWNER BEFORE TURNING SAME OVER TO OWNER.
- SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ORDERING AND INSTALLING ANY EQUIPMENT. THE CONTRACTOR MAY SUBMIT FOR APPROVAL, 10 DAYS PRIOR TO PRESENTATION OF NEGOTIATED PRICE TO OWNER, ALTERNATE MANUFACTURERS OF ALL ITEMS SPECIFIED ON THESE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE THE A/E TEAM A COMPLETE SET OF "AS BUILT" DRAWINGS FOR ALL WORK PERFORMED ON THE PREMISES. PROVIDE A MINIMUM OF 4 COPIES REQUIRED UNLESS NOTED OTHERWISE IN ARCHITECTURAL DRAWINGS.
- SUPPORTS FOR ALL EQUIPMENT AND PIPING SHALL PROVIDE ADEQUATE SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, RODS AND INSERTS INSTALLED, CONSTRUCTED, AND SPACED PER MSS REQUIREMENTS.
- ROOF MOUNTED EQUIPMENT SHALL BE MOUNTED ON PREFABRICATED FACTORY SUPPLIED UNIT CURBS.
- ROOF PENETRATIONS SHALL BE KEPT TO A MINIMUM.
- ALL ROOF MEMBRANE MODIFICATIONS, REPAIRS, CUTTING, FLASHING, COUNTERFLASHING, PENETRATIONS, AND CURB INSTALLATIONS SHALL BE ENGINEERED AND INSTALLATION PERFORMED BY ROOFING CONTRACTOR.
- ALL ROOF CAPS SHALL BE COMPLETE WITH BIRDSCREEN.
- SEAL ALL PENETRATIONS THRU WALLS, FLOORS, AND CEILINGS.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED EQUIPMENT, FIRE DAMPERS, PIPING VALVES, CLEAN OUTS, ETC. VERIFY TYPE AND COLOR AND LOCATION WITH ARCHITECT.
- TRENCHING, EXCAVATING, BACKFILLING AND CONCRETE WORK SHALL BE PER DSHA AND LOCAL CODE REQUIREMENTS.
- THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND NOTIFICATION OF ALL OTHER CONTRACTORS EFFECTED BY ANY EQUIPMENT MODIFICATIONS OR SUBSTITUTIONS.
- INSTALL ALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE. ROUTE DUCTS AND PIPES PARALLEL AND PERPENDICULAR TO WALLS UNLESS OTHERWISE NOTED.

**HVAC NOTES:**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LABOR AND MATERIALS TO PROVIDE A COMPLETE AND WORKING SYSTEM WITHIN THE CONSTRAINTS OF THE NEW STRUCTURE AND NEW CEILING SYSTEM.
- DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED PER ASHRAE AND SMACNA STANDARDS AND THE STATE MECHANICAL CODE. THIS INCLUDES (BUT IS NOT LIMITED TO) SEALING ALL DUCTS, SPLITTERS OR SIMILAR BALANCING DEVICES) AT MAJOR DUCTWORK BRANCHES; EXTRACTORS AT MINOR DUCTWORK BRANCHES; DOUBLE WALLED ACoustIC TURNING VANES IN ELBOWS, SPLITTERS AND TURNING VANES IN TEES.
- ALL DUCTWORK SHALL BE GALVANIZED SHEETMETAL. RECTANGULAR DUCT SHALL BE INTERNALLY LINED WITH 1", 1-1/2" DUCT LINER. ROUND DUCT SHALL BE WRAPPED WITH 1-1/2" INSULATION. FLEX DUCT SHALL BE INSULATED TYPE.
- EXTERNAL DUCT INSULATION SHALL BE EQUAL TO OVENS CORNING FIBERGLASS WITH FRK VAPOR BARRIER. INSTALL PER MANUFACTURERS RECOMMENDATIONS. THE MINIMUM THICKNESS SHALL BE 1-1/2". DUCT LINER SHALL BE EQUAL TO OVENS CORNING AEROFLEX TYPE 150, 1" THICK.
- PROVIDE SPIN-IN TAP WITH DAMPER AT EACH ROUND TAP OVER LAY-IN CLG. SPIN-IN TAP WITHOUT DAMPER OVER GYP. BD CLGS.
- PROVIDE FIRE RESISTANT TYPE FLEXIBLE DUCT CONNECTORS ON THE INLET AND DISCHARGE DUCT CONNECTIONS OF ALL EQUIPMENT CONTAINING FANS.
- FLEXIBLE DUCT SHALL NOT EXCEED 5'-0".
- ALL DUCT DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS.
- LOCATE THE THERMOSTAT AND INSTALL AS SHOWN ON THESE DOCUMENTS.
- ALL REFRIGERANT PIPING SHALL BE TYPE 'K' COPPER. PROVIDE 3/4" ANNEALFLEX ON SUCTION LINE.
- PROVIDE INTERMEDIATE TRAPS, OVERSIZED RISERS, SUCTION ACCUMULATORS, ETC. AS REQUIRED BY HVAC MANUFACTURER FOR PROPER OPERATION OF CONDENSING UNIT FOR RISE AND DISTANCE OF REFRIGERANT LINES. WITH EQUIPMENT DIMENSIONS FOR EACH CONDENSING UNIT. SUBMIT MANUFACTURER APPROVED REFRIGERANT PIPING DIAGRAM FOR PIPING RISE AND DISTANCE.
- ALL FLUSH FACE RECTANGULAR CEILING SUPPLY DIFFUSERS SHALL BE 24x24 OR 12"x12" TITUS PAS-AA OR EQUAL UNLESS NOTED OTHERWISE. CFM AND NECK SIZE AS SHOWN ON DRAWINGS. VERIFY FINISH WITH ARCHITECT.
- ALL FLUSH FACE RECTANGULAR CEILING RETURN AIR GRILLES SHALL BE TITUS PAS-AA UNLESS NOTED OTHERWISE. SIZE AS SHOWN ON DRAWINGS. SURFACE MOUNT BORDER TYPE 1, SNAP-IN BORDER TYPE 2, LAY-IN BORDER TYPE 3, SPINE BORDER TYPE 4. VERIFY FINISH WITH ARCHITECT.
- ALL DUCT MOUNTED AND SIDEWALL REGISTERS SHALL BE EQUAL TO TITUS 300 FL UNLESS NOTED OTHERWISE. WITH AG-15 OPPOSED BLADE DAMPER. CFM AND SIZE AS SHOWN ON DRAWINGS. VERIFY FINISH WITH ARCHITECT.

- ALL SIDEWALL RETURN AIR REGISTERS SHALL BE EQUAL TO TITUS 300 FL UNLESS NOTED OTHERWISE. PROVIDE 2" FILTERS. SIZE AS SHOWN ON DRAWINGS.
- CONDENSATE DRAIN PIPING SHALL BE TYPE 'L' OR 'M' HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.
- INSULATE CONDENSATE PIPING WITH 1" THICK FIBERGLASS WITH ASJ.
- RUN AHU CONDENSATE LINE DOWN AND OUT TO NEAREST INDIRECT HUB DRAIN OR FLOOR DRAIN.
- FOR UNITS OF 2000 CFM OR GREATER PROVIDE MANUAL RESET IONIZATION TYPE SMOKE DETECTOR IN RETURN AIR DUCT AHEAD OF ANY OUTSIDE AIR INLET. DETECTORS SHALL ALSO BE INSTALLED IN THE SUPPLY DUCT, DOWNSTREAM OF THE FILTERS. FOR ALL UNITS LESS THAN 2000 CFM PROVIDE MANUAL RESET FIRESTAY. UPON DETECTION OF PRODUCTS OF COMBUSTION DETECTORS SHALL ACTIVATE ACTIVATION OF ANY DETECTOR SHALL CAUSE THE AIR-MOVING EQUIPMENT TO AUTOMATICALLY SHUT DOWN.
- ALL HVAC SYSTEM SMOKE AND FIRE DETECTORS SHALL BE COMPATIBLE WITH FIRE ALARM SYSTEM. COORDINATE WITH FIRE ALARM CONTRACTOR.
- ALL CONTROL WIRING SHALL BE IN CONDUIT.
- PROVIDE 1" SPRING ISOLATORS FOR ALL SUSPENDED AIR HANDLING UNITS.
- PROVIDE 100 PERCENT FREE AREA FIRE DAMPERS.
- ALL EQUIPMENT NAMEPLATE INFORMATION SHALL BE PERMANENTLY AFFIXED TO EQUIPMENT. NAMEPLATE INFORMATION SHALL BE ETCHED ON METAL PLATES.
- PROVIDE TIMELOCK FOR OPERATION OF EF-1
- THE MECHANICAL SYSTEMS SHALL BE TESTED, ADJUSTED, AND BALANCED BY A BALANCING FIRM SPECIALIZING IN THIS TYPE OF WORK (MAY BE MECHANICAL CONTRACTOR.) TESTS SHALL DETERMINE QUANTITATIVE PERFORMANCE OF EQUIPMENT, BALANCING SHALL BE PROPORTIONED WITHIN DISTRIBUTION SYSTEMS) ACCORDING TO SPECIFIED DESIGN QUANTITIES. ALL WORK MUST BE DONE UNDER THE DIRECT SUPERVISION OF AN ENGINEER REGISTERED IN THIS STATE AND CERTIFIED BY NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). ALL WORK SHALL MEET LOCAL CODES AND STANDARDS, NEBB AND ASHRAE TESTING, ADJUSTING, AND BALANCING PROCEDURES. UNLESS OTHERWISE SUBMIT, TO THE BUILDING OWNER FOR REVIEW, APPROVAL AND RECORD. TWO COPIES OF THE BALANCING REPORTS ON THE STANDARD REPORT FORMS PREPARED BY NEBB.

**PLUMBING NOTES:**

- WASTE, DRAIN AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON. NO HUB FITTINGS ARE ACCEPTABLE ABOVE GRADE. SCHEDULE 40 GALVANIZED STEEL OR DWV COPPER MAY BE USED FOR PIPING 1-1/2" OR LESS. SCHEDULE 40 PVC IS ACCEPTABLE IF APPROVED BY OWNER AND LOCAL CODE AUTHORITY. EXPOSED VENT AT LAVS AT WEST WALL IN MENS ROOM SHALL BE STAINLESS STEEL.
- POTABLE WATER PIPING, CONDENSATE DRAIN, AND RELIEF PIPING SHALL BE TYPE 'L' HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS.
- INSULATE HOT AND COLD WATER PIPING WITH 1" THICK OVENS CORNING, FIBERGLASS 25 ASJ, JOHN MANSVILLE AP OR APPROVED EQUAL. INSTALLED PER MANUFACTURERS REQUIREMENTS. INSULATION SHALL BE CONTINUOUS THROUGH WALLS, FLOORS, CEILINGS ETC.
- RUN WATER HEATER RELIEF LINE TO NEAREST FLOOR DRAIN.
- PROVIDE AIR CHAMBERS AT ALL FIXTURES OR SHOCK ABSORBERS AT EACH BATTERY, OR AS NOTED.
- PROVIDE SECTIONAL SHUT-OFF VALVES ON EACH BRANCH AND RISER, CLOSE TO MAIN, WHERE BRANCH OR RISER SERVES 2 OR MORE PLUMBING FIXTURES OR EQUIPMENT CONNECTIONS, AND ELSEWHERE AS INDICATED.
- PROVIDE SHUT-OFF VALVES AT INLET OF EACH PLUMBING EQUIPMENT ITEM, AND AT INLET OF EACH PLUMBING FIXTURE, AND ELSEWHERE AS INDICATED.
- INSTALL CLEANOUTS IN STORM AND BUILDING DRAIN PIPING AS INDICATED, AND AS REQUIRED BY LOCAL PLUMBING CODE, AT EACH CHANGE IN DIRECTION OF PIPING GREATER THAN 45 DEG. AT MINIMUM INTERVALS OF 50 FEET. CLEANOUTS SHALL BE INSTALLED AT EACH CHANGE IN SIZE, AND AT BASE OF EACH CONDUCTOR. INSTALL FLOOR AND WALL CLEANOUT COVERS FOR CONCEALED PIPING, SELECT TYPE TO MATCH ADJACENT BUILDING FINISH (VERIFY SELECTION WITH ARCHITECT PRIOR TO ORDERING.)
- INSULATE ALL EXPOSED SANITARY AND WATER PIPING AT ALL HANDICAP RATED LAVATORIES AND SINKS WITH FULLY MOLDED, TRUEBRO, HANDEI LAV-GUARD INSULATION KIT MODEL #102.
- PROVIDE CAST BRASS OR CHROME ESCUTCHEONS WITH SET SCREW, DEEP TYPE, TO COVER SLEEVES OR A SIZE TO COVER FITTING PROJECTIONS. PROVIDE ESCUTCHEONS FOR ALL EXPOSED PIPING THROUGH WALLS, FLOORS AND EXPOSED CEILING.
- THE DOMESTIC WATER PIPING SYSTEM SHALL BE STERILIZED PER LOCAL CODE.
- PROVIDE TRAP PRIMERS ON ALL FLOOR SINKS AND FLOOR DRAINS.

**SPRINKLER SYSTEM NOTES:**

- THE SPRINKLER SYSTEM SHALL BE DESIGNED AS REQUIRED DUE TO THE NEW CONSTRUCTION TO MEET THE REQUIREMENTS OF NFPA 13, THE LOCAL CODE, AND THE OWNER'S INSURER. PIPING DRAWINGS SHALL BE SUBMITTED TO THE APPROPRIATE APPROVAL AGENCY AS OUTLINED BY THE CITY SUBMITTAL REQUIREMENTS. THE SPRINKLER CONTRACTOR SHALL BE LICENSED TO DO WORK IN THIS STATE. ALL PIPING MODIFICATIONS REQUIRED WILL BE INCLUDED IN THIS CONTRACT. SPRINKLER HEAD TYPES SHALL BE CONCEALED WITH WHITE COVERS ALL CEILING AREAS AND BRASS UPRIGHT IN NON-CEILING AREAS. SIDEWALL HEADS SHALL BE CHROME. (VERIFY EXACT FINISH TYPES AND LOCATIONS WITH ARCHITECT.) SPRINKLER CONTRACTOR SHALL PROVIDE TO THE OWNER'S REPRESENTATIVE A COMPLETE SET OF SPRINKLER DRAWINGS INCLUDING MOUNTING PIPING LAYOUT AND SPRINKLER HEAD LOCATIONS FOR APPROVAL PRIOR TO INSTALLATION.
- UPON COMPLETION OF THE SPRINKLER SYSTEM, THE SPRINKLER CONTRACTOR SHALL HYDROSTATICALLY TEST ALL PIPING PER NFPA AND LOCAL CODE AUTHORITY. PROPERLY FILLED BUT SPRINKLER CONTRACTOR'S MATERIAL AND TEST CERTIFICATES MUST BE FURNISHED TO THE OWNER'S PROJECT MANAGER AT THE JOB SITE AND TO THE OWNER'S INSURANCE RATING BUREAU HAVING JURISDICTION.
- ALL SPRINKLER PIPING SHALL BE BLACK STEEL APPROVED BY NFPA, THE LOCAL CODE AUTHORITY, AND THE OWNER'S INSURER.
- PROVIDE DRY SIDEWALL HEAD AT SERVICE YARD CANOPY.

**PLUMBING FIXTURE SCHEDULE**

TYPE	DESCRIPTION
WC	AMERICAN STANDARD INSTANTO ELONGATED FLOOR MOUNTED VITREOUS CHINA WATER CLOSET 2910.010, WITH PRESSAL10030705.020 GREN FRONT SEAT LESS COVER. SLOAN 111 ES-3 ELECTRONIC FLUSH VALVE, PROVIDE ONE EL-134 TRANSFORMER PER TO WATER CLOSERS. CARRIER TO BE ZURN Z-102-NM4 OR EQUAL. CARRIER MUST BE NO LARGER THAN ZURN MODEL SPECIFIED.
WCH	SAME AS ABOVE MOUNTED AT ADA HEIGHT
UR	AMERICAN STANDARD ALBROEK 1.0 GPF URINAL, WHITE VITREOUS CHINA, SIPHON, 1/2" TIP SPUD, SLOAN 107M, 108-1 ES-3 ELECTRONIC FLUSH VALVE. ANGLE VALVE IN SUPPLY. PROVIDE STAINLESS STEEL STRAINER. MOUNT ONE URINAL AT ADA HEIGHT (SEE ARCH. ENGS.). PROVIDE ZURN CARRIER OR EQUAL. PROVIDE ONE EL-134 TRANSFORMER PER TO URINALS.
LAV	BRADLEY 921-6101 STAINLESS STEEL WALL HUNG LAV. SLOAN EIF-80-LT ELECTRONIC FAUCET WITH BACKCHECKS AND SOLENOID VALVE, EL-208 TRANSFORMER AND GRID DRAIN, 1-1/4" P-TRAP, STOPS IN SUPPLY. INSULATE ALL EXPOSED SANITARY AND WATER PIPING WITH FULLY MOLDED, TRUEBRO, HANDEI LAV-GUARD INSULATION KIT MODEL #102. AT HANDICAPPED LAVS.
HS	BRADLEY 921-6101 STAINLESS STEEL WALL HUNG LAV. SLOAN EIF-80-LT ELECTRONIC FAUCET WITH BACKCHECKS AND SOLENOID VALVE, EL-208 TRANSFORMER AND GRID DRAIN, 1-1/4" P-TRAP, STOPS IN SUPPLY. INSULATE ALL EXPOSED SANITARY AND WATER PIPING WITH FULLY MOLDED, TRUEBRO, HANDEI LAV-GUARD INSULATION KIT MODEL #102. AT HANDICAPPED LAVS.
FS	JOSAM 49002AS SERIES FLOOR SINK, NIKALLOY STRAINER, TRAP PRIMER.
FD	JOSAM 30000A SERIES FLOOR DRAIN, NIKALLOY STRAINER, TRAP PRIMER, USE 30000E WHERE FUNNEL CALLED OUT ON DRAWINGS.
FDA	JOSAM 32220 SERIES FLOOR DRAIN, 4" W/SEIMENT BUCKET, NIKALLOY STRAINER, GRATE W/VANADIL PROOF SCREWS, TRAP PRIMER.
WH	WALL HUNG HYBRID WOODRUM HUBS, HUBS, NET AND COLD MIXING FREEZELESS W/INTERNAL VACUUM BREAKER, CHROME CHERRY FINISH WITH ARCH.
WH-1	STATE 386-82-15-17E-NSF WATER HEATER, 82 GAL, 18000 WATTS, 200V/3PH.
DF	HANS MODEL 3277, SS ACCEPTOR AND BRACKET, CHROME PLATED RUBBER AND STRAINER, HEAVY DUTY GALVANIZED POWDER COATED STEEL. COLOR TO BE SELECTED BY ARCHITECT. SHALL BE FREE OF ALL LEAD PIPING AND SOLDER.

**AIR HANDLING UNIT SCHEDULE:**

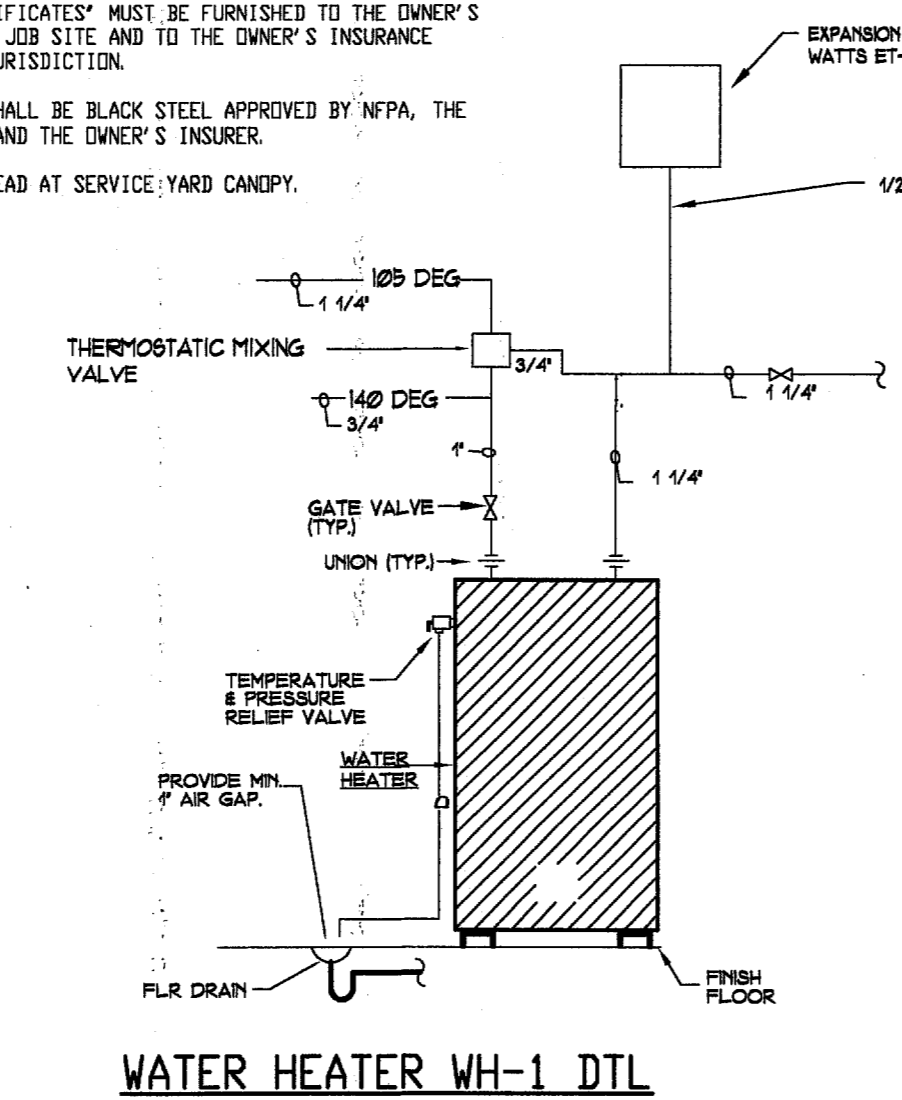
DESIGN	AHU/CU-4	AHU/CU-1	AHU/CU-2,3
MAKE	TRANE	TRANE	TRANE
AHU MODEL	TWE060P13	TWE048P13	TWE030P13
CU MODEL	TW403000A	TW403000A	TW403000A
SEER	10.35	10.0	10.35
COOLING MBH			
TOTAL	59	47	27
SENSIBLE	41	34	19
CFM	2000	1600	1600
CFM	5	5	5
HP	3/4	1/2	1/2
HEATING :			
KW	18.7	13	8.7
ELECT.			
FLA	54	36	24.2
MCP	208/3	208/3	208/3
VOLTS/PHASE	208/3	208/3	208/3
COND UNIT:			
COMP RLA	19	16	11
COND FAN FLA	1.9	1.9	1.6
MCA	26	27	15
MCP	40	50	23
VOLTS/PHASE	208/3	208/3	208/3

UNIT SHALL INCLUDE: ANTI-SHORT CYCLE TIMER, CRANKCASE THERMOSTAT WITH RESISTOR SENSORS. HEATER, 5 YEAR COMPRESSOR WARRANTY, ELECTRONIC PROGRAMMABLE AUTO CHANGE-OVER

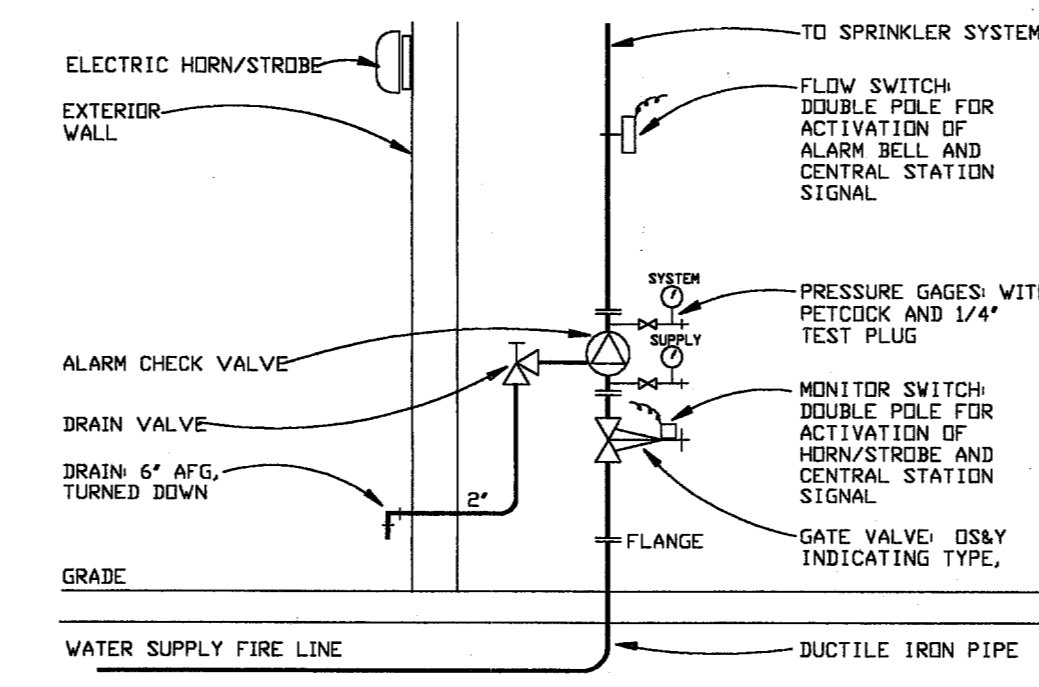
**EXHAUST FAN SCHEDULE**

NO	MANUF	MODEL	CFM	ESP	HP	VOL/1PH
	EE-1	GREEN-CHECK	50-130-A	2000	3/4	120

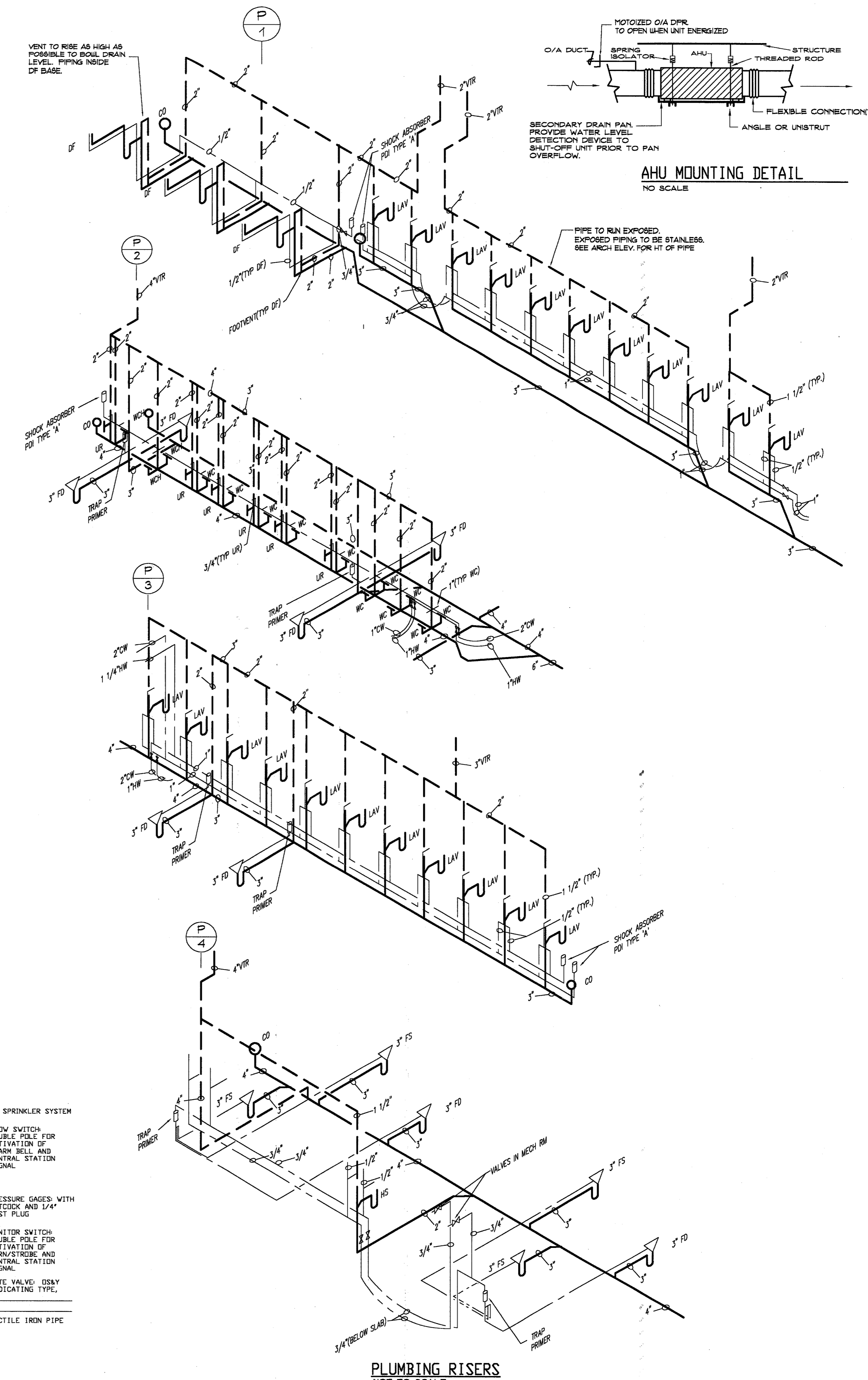
TO INCLUDE: BACKDRAFT DAMPER, DISC SWITCH, NEOPRENE HANGING ISOLATORS AND BRACKETS



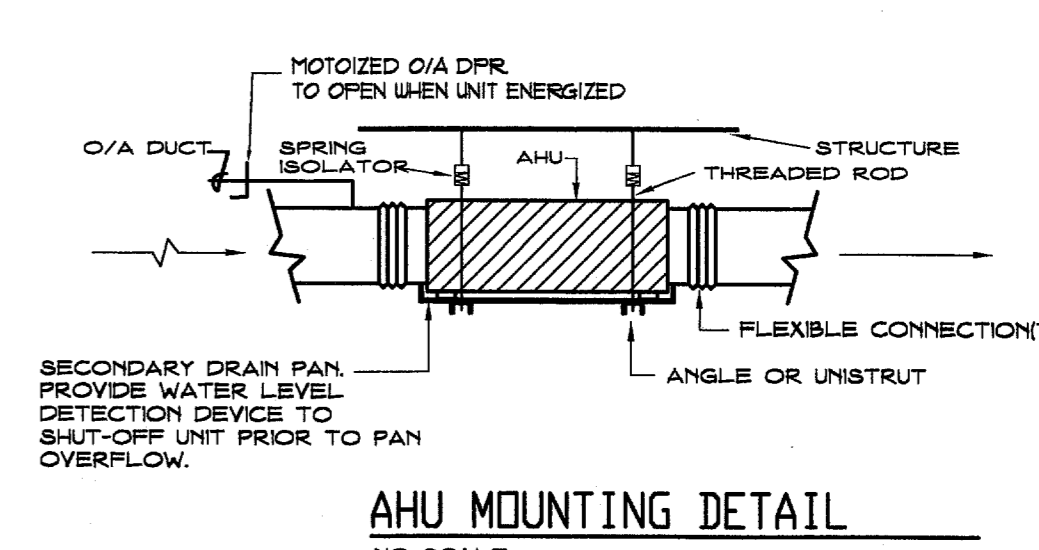
**WATER HEATER WH-1 DTL**  
NOT TO SCALE



**FIRE SPRINKLER RISER**  
NOT TO SCALE



**PLUMBING RISERS**  
NOT TO SCALE



**AHU MOUNTING DETAIL**  
NO SCALE

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**Addison Arts and Events Pavilion**  
Addison, Texas

DATE: 08/26/02  
ISSUE: 10/31/02  
50% CD  
95% CD

M2.0 MECH NOTES