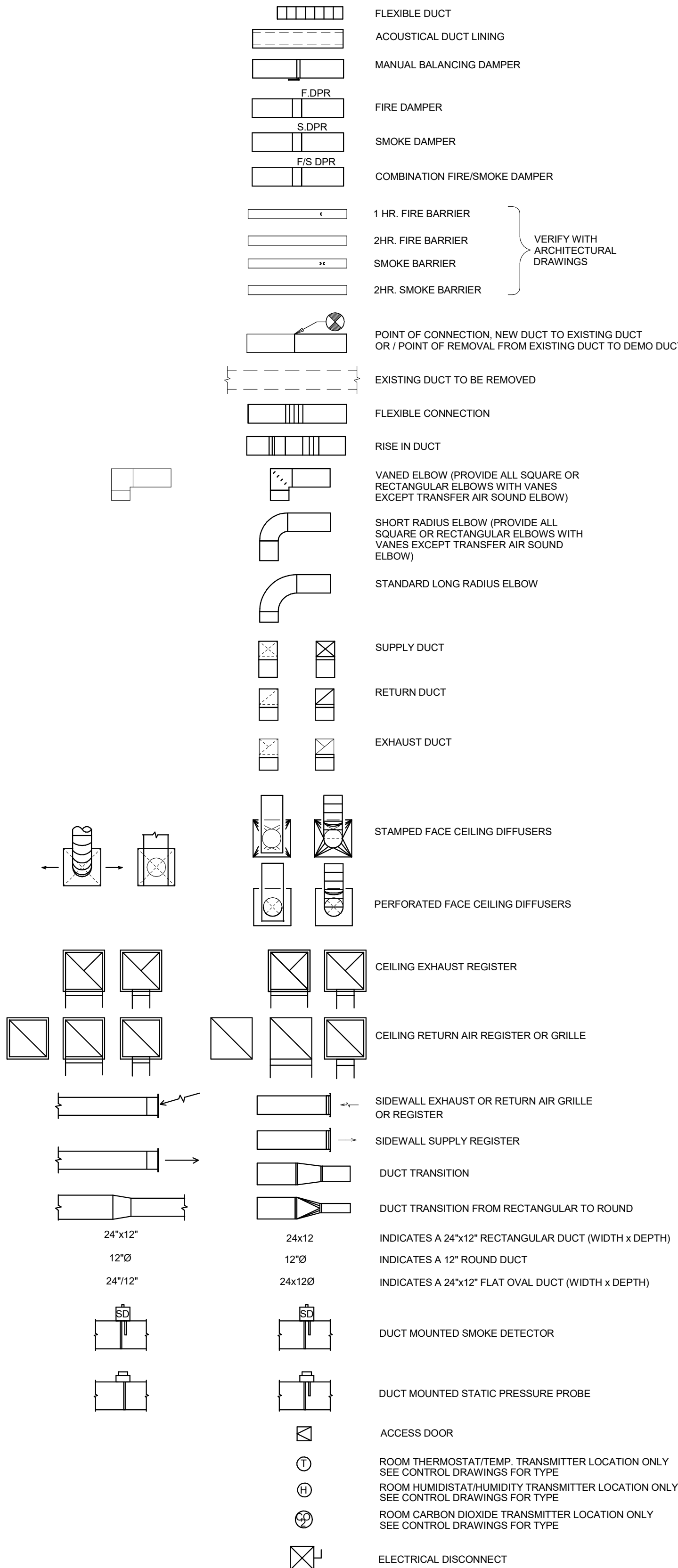


ABBREVIATIONS

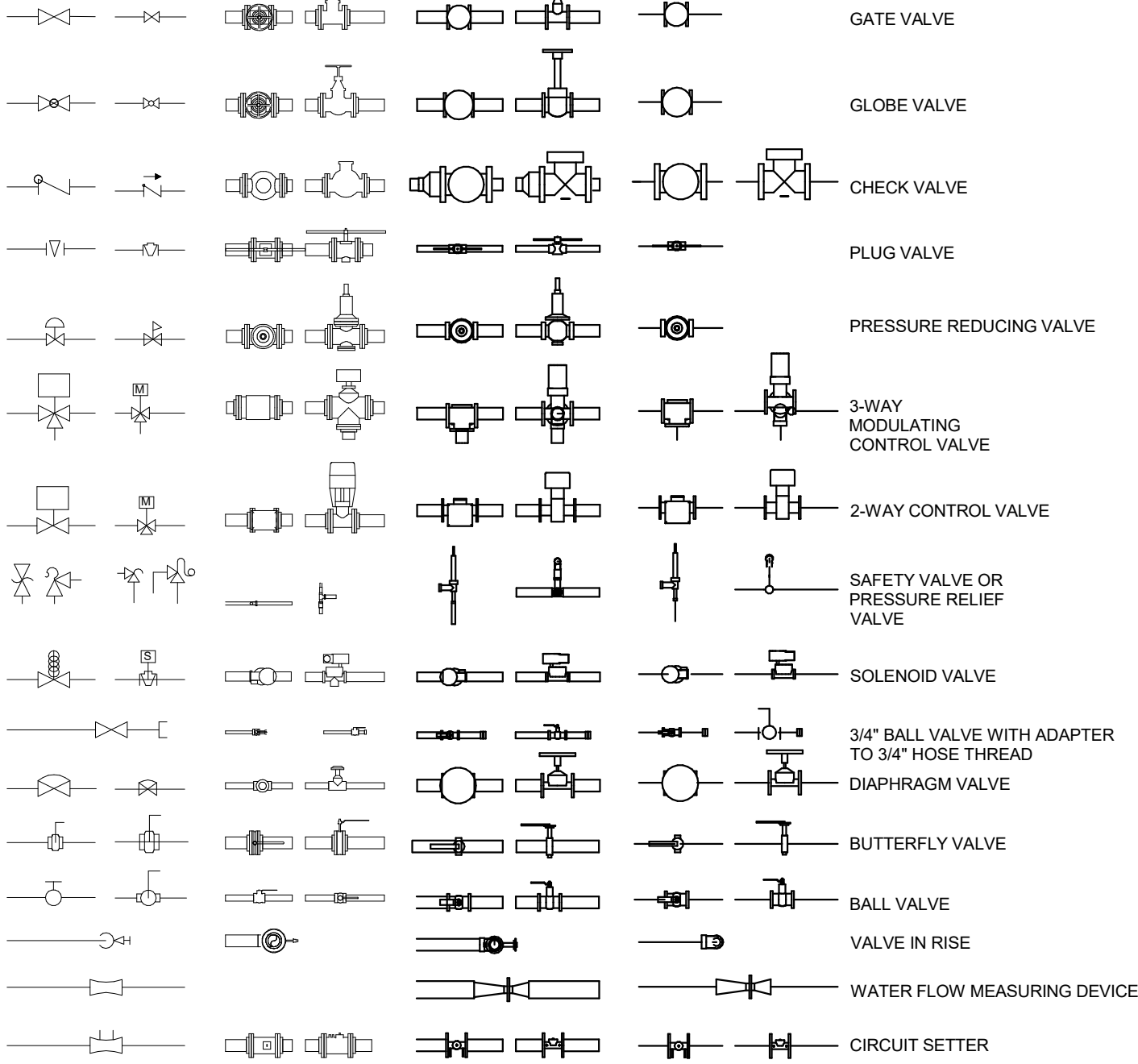
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AL	ACOUSTIC LINING
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CONT.	CONTINUATION
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CU	CONDENSING UNIT
D	DRAIN
DX	DIRECT EXPANSION
ENT	ENTERING
EXH	EXHAUST
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
F	DEGREES FAHRENHEIT
FB	FLAT BOTTOM
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
F.G.	FILTER GAUGE
FLEX	FLEXIBLE
FFM	FEET PER MINUTE
FS	FLOOR SINK
FT	FLAT TOP
FT.	FEET
GPH	GALLONS PER HOUR
GP	GALLONS PER MINUTE
HB	HOSE BIBB
HD	HAND DAMPER (VOLUME DAMPER)
HEPA	HIGH EFFICIENCY PARTICULATE AIR (FILTER)
IN	INCHES
IU	INDOOR UNIT
KW	KILOWATT
KWH	KILOWATT HOUR
MA	MAIN AIR (CONTROLS)
MCC	MOTOR CONTROL CENTER
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO.	NUMBER (QUANTITY)
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAGE
QTY	QUANTITY
QUAD	QUADRANT
R.A.	RETURN AIR
Rh	RELATIVE HUMIDITY
RL	REFRIGERATION LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERATION SUCTION
SCD	SMOKE CONTROL DAMPER
SP	STATIC PRESSURE (INCHES OF WATER)
SDVV	SINGLE DUCT VARIABLE VOLUME
ST	SOUND TRAP
TOPT	TOP OF PIPE TRAPEZE
TP	TOTAL PRESSURE (INCHES OF WATER)
TYP.	TYPICAL
V	VOLTS
VAC	VOLTS, ALTERNATING CURRENT
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VTR	VENT THRU ROOF

DUCTWORK SYMBOLS

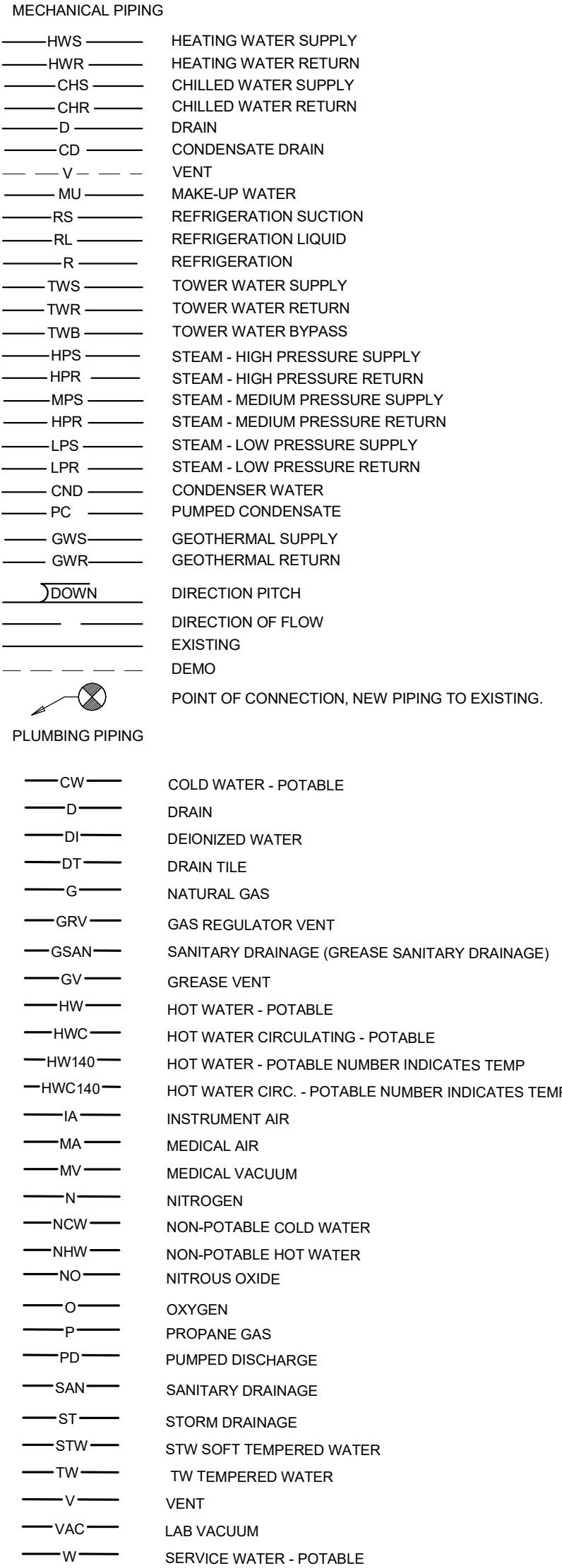


MECHANICAL SYMBOL LEGEND

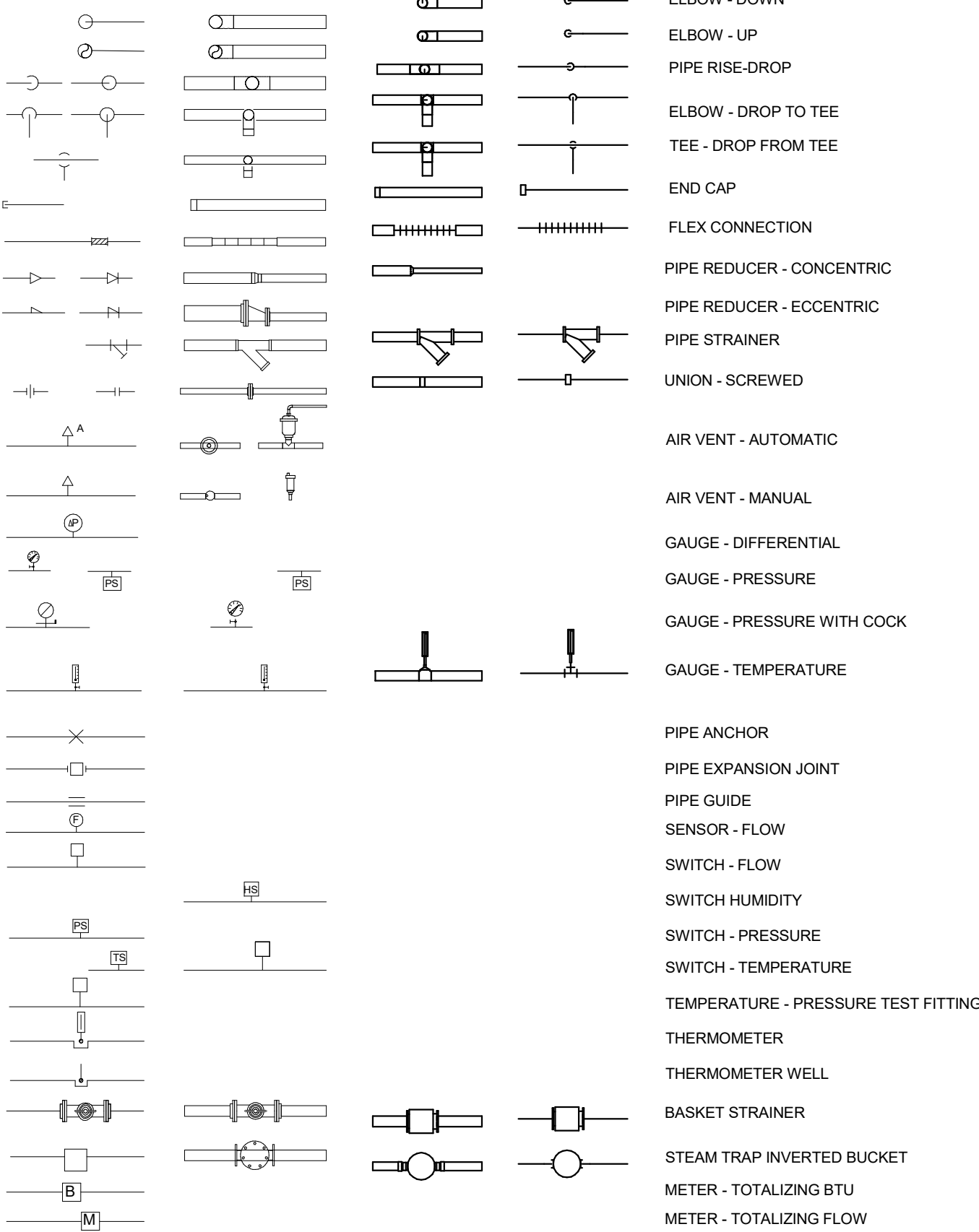
VALVE SYMBOLS



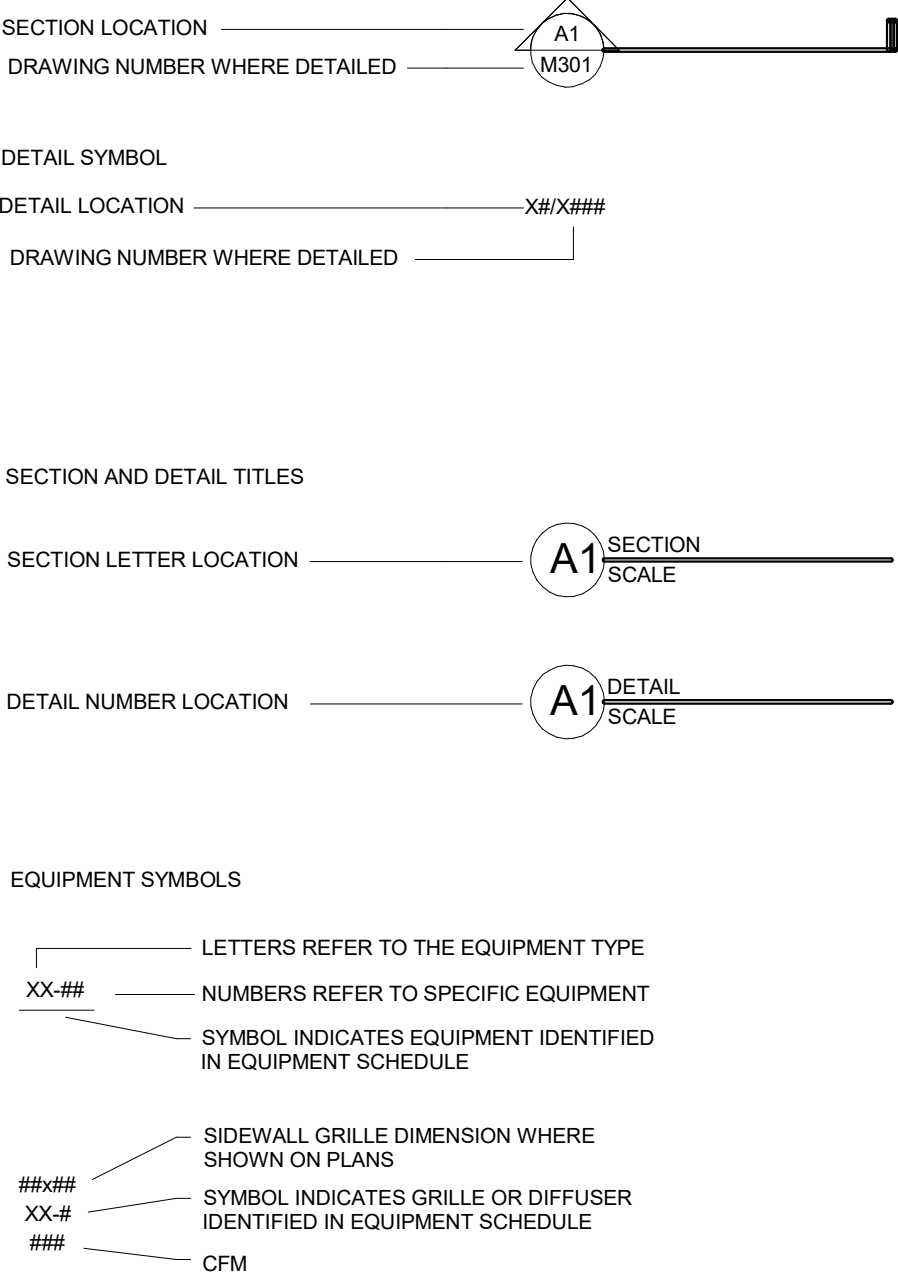
PIPING SYMBOLS



FITTING SYMBOLS



SECTION SYMBOL



GENERAL NOTES

- A. ALL PIPING AND/OR DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR ABOVE CEILINGS, UNLESS OTHERWISE NOTED.
- B. PROVIDE ACCESS PANELS OR DOORS IN INACCESSIBLE CEILINGS AND/OR CHASES FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, COILS, FANS, CONTROLS, ETC. THEY SHALL BE FURNISHED UNDER DIVISION 23 AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATION. ACCESS DOOR RATING SHALL MATCH CLASSIFICATION OF WALL AND CEILING FIRE RATINGS.
- C. COORDINATE THE LOCATION OF ALL DIFFUSERS, GRILLES, REGISTERS, ACCESS DOORS, ETC., WITH THE ARCHITECTURAL REFLECTED CEILING PLAN(S).
- D. ALL ROUND RUNOUTS AND DROPS TO DIFFUSERS SHALL BE THE SAME NOMINAL SIZE AS THE SCHEDULED DIFFUSER NECK SIZE.
- E. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. ALL DUCT SIZES SHOWN ON DRAWINGS ARE NET INSIDE DIMENSIONS. PROVIDE ONE INCH ACOUSTICAL LINING (TYPE D3 INSULATION) IN LOW VELOCITY RECTANGULAR DUCTWORK FOR THE FIRST 10 DIAMETERS OF DUCTWORK CONNECTED TO DEVICE, OR AS INDICATED ON DRAWINGS, WHICHEVER IS GREATER. FOR THE REMAINDER OF THIS DUCTWORK PROVIDE AS INDICATED IN THE INSULATION SPECIFICATIONS.
- F. PROVIDE 1/2" MANUAL AIR VENTS AT ALL HIGH POINTS OF CLOSED SYSTEM PIPING AND 1/2" MANUAL DRAIN VALVES WITH HOSE CONNECTION AT LOW POINTS AS REQUIRED TO PROVIDE COMPLETE SYSTEM DRAINAGE. WHERE DRAIN VALVES OCCUR ABOVE CEILING AREAS AND IN AREAS OUTSIDE MECHANICAL RANGE PROVIDE HOSE CONNECTION ON VALVE.
- G. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FIRE-RATED AND/OR SMOKE-RATED WALLS AND ASSEMBLIES. PROVIDE APPROVED FIRE DAMPERS IN ALL REQUIRED PENETRATIONS FOR DUCTWORK, GRILLES, REGISTERS AND DIFFUSERS. ALL PIPE AND DUCTWORK PENETRATIONS OF FIRE SMOKE AND FULL HEIGHT WALLS SHALL BE CAULKED AIR/TIGHT TO THE ADJACENT STRUCTURE BY MEANS OF U.L. APPROVED FIRE-PROOF CAULKING MATERIAL.
- H. CONTRACTOR SHALL COORDINATE ALL DUCTWORK, PIPING, PLUMBING AND FIRE PROTECTION PIPING WITH STRUCTURAL AND ELECTRICAL SYSTEMS AND SHALL PROVIDE NECESSARY OFFSETS TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- I. CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- J. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY MISCELLANEOUS ANGLES, CHANNELS, UNISTRUT, ETC., AS MAY BE REQUIRED TO ADEQUATELY SUPPORT THE MECHANICAL PIPING, DUCTWORK, AND EQUIPMENT IN A MANNER APPROVED BY THE ARCHITECT, WHICH WILL NOT OVERLOAD THE BUILDING STRUCTURAL SYSTEM.
- K. CONTRACTOR SHALL PROVIDE RETURN AIR OR TRANSFER AIR OPENINGS IN FULL HEIGHT WALLS SIZED AT 350 FPM (UNLESS OTHERWISE SPECIFICALLY SHOWN ON THE DRAWINGS) TO CREATE AND/OR MAINTAIN A RETURN AIR PATH AS REQUIRED. FIRE DAMPERS AND/OR SMOKE DAMPERS SHALL BE PROVIDED IN SUCH OPENINGS WHERE REQUIRED.
- L. SEAL ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, DUCT WALL PENETRATIONS AND FITTING CONNECTIONS ON ALL DUCT SYSTEMS.
- M. MECHANICAL ITEMS SUCH AS ROOF DRAINS, FLOOR DRAINS, PLUMBING FIXTURES, ETC. SHOWN ON THE ARCHITECTURAL DRAWINGS BUT NOT SHOWN ON THE MECHANICAL DRAWINGS SHALL BE INCLUDED IN THE PROJECT. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE AE FOR INCLUSION IN ADDENDUM.
- N. IT IS CRITICAL THAT THE CONTRACTOR PERFORM A COMPLETE REVIEW OF ALL SUBMITTALS PRIOR TO SUBMISSION TO THE AE/COR. INCOMPLETE, INCORRECT AND UNCLEAR SUBMITTALS WILL BE REJECTED AND MARKED AS "REVISE AND RESUBMIT". ALL SUBMITTALS MUST CLEARLY INDICATE THE EQUIPMENT SELECTIONS FOR THE PROJECT. TECHNICAL DRAWINGS OF COMPLETE ASSEMBLIES, REFLECTING ACCURATE PROJECT CONDITIONS, SHALL BE SUBMITTED WITH EQUIPMENT SELECTIONS TO ENSURE SPACE ALLOWANCES ARE REFLECTED IN THE ACTUAL SPACE AVAILABLE. WHERE SIZE DEVIATIONS DIFFER FROM THE BASIS OF DESIGN CONTRACTOR SHALL HIGHLIGHT THE DIFFERENCES FOR AE/COR REVIEW WITHIN THE SUBMITTAL. CONTRACTOR SHALL PROVIDE INSTALLATION ROUTE AND VERIFICATION THAT ACCESS POINTS, PLACEMENT ROUTE, SUPPORTS, AND REQUIRED EQUIPMENT CLEARANCES ARE IDENTIFIED ON THE ROUTE DRAWING. SAFETY PROTOCOLS FOR SUBJECT STATION SHALL BE REFLECTED ON EQUIPMENT CLEARANCES, PLATFORMS AND INTERFACE AREAS (FILTER, GAUGES, MONITORS, VALVES, ETC.) SHALL HAVE PROPER CLEARANCE AS DEFINED BY THE MANUFACTURER. VA SAFETY PERSONNEL AND SERVICE PERSONNEL. ACCESS POINTS OF USE SHALL BE CLEARLY IDENTIFIED ON THE DRAWINGS.

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8/17/25

CHAMONIX UNIT C17 RENOVATION

476 WOOD ROAD SNOWMASS VILLAGE, CO

PROJECT NUMBER: 2024-05

DRAWN BY: PK

CHECKED BY: BMS

ISSUE: PERMIT SET

DATE: 07/17/2025

REVISION: DATE

TITLE

MECHANICAL COVER

SHEET #

M-001

MECHANICAL GENERAL NOTES AND SPECIFICATIONS

MECHANICAL DESIGN SHALL CONFORM TO THE 2015 INTERNATIONAL RESIDENTIAL CODE. PROJECT SHALL BE COORDINATED WITH THE EXISTING BUILDING SERVICES AND SHALL INCLUDE ALL ITEMS NECESSARY FOR COMPLETE AND FULLY OPERATIONAL MECHANICAL SYSTEMS. MAKE CONNECTIONS TO AND EXTEND SYSTEMS INSTALLED BY OTHERS AND/OR FURNISHED BY OTHERS. PROVIDE ACCESSORIES AND INCIDENTAL ITEMS AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM WHETHER OR NOT SPECIFICALLY SPECIFIED AND/OR SHOWN ON THE PLANS.

COORDINATE WITH OTHER TRADES FOR A COORDINATED INSTALLATION WITHIN THE AVAILABLE SPACE. WHERE CROWDED CONDITIONS EXIST, PREPARE COORDINATION DRAWINGS SHOWING ALL TRADE CONFLICTS AND SUBMIT TO ARCHITECT FOR APPROVAL AND DIRECTION PRIOR TO ROUGH-IN AND/OR INSTALLATION.

RELOCATION OF OUTLETS AND/OR DEVICES MADE PRIOR TO ROUGH-IN SHALL BE DONE AT NO ADDITIONAL COST. ALL WORK SHALL BE PERFORMED BY PROPERLY LICENSED MECHANICS OR UNDER THEIR DIRECT SUPERVISION. ALL MATERIALS AND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE APPLICABLE STANDARDS OF UL AND SHALL BEAR THE UL LABEL AS EVIDENCE THAT THE MATERIAL AND/OR EQUIPMENT MEETS THIS REQUIREMENT.

INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS UNLESS OTHERWISE NOTED IN THESE PLANS. IF DISCREPANCIES EXIST CONTACT THE ENGINEER PRIOR TO ORDERING EQUIPMENT AND ROUGH-IN. ALL EQUIPMENT START UP AND TESTING SHALL BE PERFORMED BY THE EQUIPMENT MANUFACTURER TRAINED SERVICE TECHNICIAN.

THE SUB-CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIARIZED WITH ALL REQUIREMENTS OF THE CONTRACT PRIOR TO SUBMISSION OF BID. THE SUB-CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY CONFLICTS PRIOR TO BID OR START OF INSTALLATION.

THE SUB-CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS WHEN THEY BECOME DUE, AND SHALL NOT COVER ANY WORK UNTIL APPROVED BY THE INSPECTION AUTHORITY. ANY AND ALL FEES ASSOCIATED WITH THE MECHANICAL WORK, INCLUDING CONSTRUCTION AND INSPECTIONS SHALL BE PAID FOR BY THE SUB-CONTRACTOR IN ORDER TO DELIVER A COMPLETE AND FINISHED BUILDING, READY FOR OCCUPANCY AND 100% USAGE. THE SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE SUB-CONTRACTOR HAS FAMILIARIZED HIMSELF/HERSELF WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE. ANY COSTS DUE TO THE LACK OF COOPERATION AMONG TRADES SHALL BE BORNE BY THE SUB-CONTRACTOR.

THE INFORMATION PRESENTED ON THESE DRAWINGS IS DIAGRAMMATIC IN NATURE. IT DOES NOT NECESSARILY REPRESENT ALL FITTINGS, HANGERS, ETC. FOR A COMPLETE WORKING SYSTEM. PROVIDE ALL MATERIALS AND LABOR FOR COMPLETELY FINISHED AND OPERATIONAL SYSTEMS. REFER TO LATEST ARCHITECTURAL DRAWINGS FOR: EXACT WALL LOCATIONS, DIMENSIONS, AND PLUMBING FIXTURE LOCATIONS AND REQUIREMENTS.

SUB-CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY ALTERATIONS REQUIRED BY THE OWNER, ARCHITECT, OR FIELD CONDITIONS.

ALL EQUIPMENT SHALL BE NEW, SHALL COMPLY WITH APPLICABLE INDUSTRY STANDARDS, WITH SPECIFICATIONS ON DRAWINGS, AND ENERGY CODE COMPLIANCE CERTIFICATION AS ADOPTED BY THE STATE, AS WELL AS LOCAL JURISDICTIONAL BUILDING DEPARTMENT. SUBMIT DATA FOR APPROVAL PRIOR TO ORDERING EQUIPMENT. SUBMITTAL SHALL INCLUDE ENERGY CODE COMPLIANCE CERTIFICATION.

SUB-CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT INCLUDING: FIXTURES SPECIFIED IN EQUIPMENT SCHEDULE ON DRAWINGS FOR REVIEW/APPROVAL (5) DAYS PRIOR TO BID. EQUIPMENT IS NOT TO BE ORDERED WITHOUT SUBMITTAL TO ARCHITECT/OWNER/ENGINEER.

PIPING
A.ALL CHILLED WATER AND HOT WATER PIPING LARGER THAN 2” SHALL BE WELDED STEEL OR GROOVED MECHANICAL COUPLINGS.
B. CONDENSATE DRAIN PIPING SHALL BE TYPE M COPPER WITH SOLDERED JOINTS.
C.REFRIGERATION PIPING SHALL BE TYPE L COPPER WITH SILVER SOLDERED JOINTS. PIPING CIRCUITS, MANIFOLDS, AND SIZING SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. VERIFY LINE SET LENGTH LIMITATIONS CONSTRUCTION CONDITIONS PRIOR TO ORDERING EQUIPMENT. NOTIFY ENGINEER OF ANY DISCREPANCIES.

D. CHILLED AND HEATING WATER PIPING SHALL BE TYPE L COPPER WITH SOLDERED JOINTS.
E. FIRE STOP ALL PIPING MATERIALS PASSING THROUGH FIRE RATED STRUCTURES OR FIRE RATED ASSEMBLIES IN ACCORDANCE WITH THE REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. USE CURRENTLY LISTED U.L. CLASSIFIED PRODUCTS, TESTED BY ASTM E814. USE FOR ALL APPLICABLE PIPE PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS, OR FLOOR CEILING ASSEMBLIES IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.

ALL SPACE HEATING SUPPLY AIR DUCTS SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST S.M.A.C.N.A. DUCT CONSTRUCTION STANDARDS AND BE INSULATED IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL JURISDICTIONAL ENERGY CONSER- VATION STANDARDS AND THE LATEST EDITION INTERNATIONAL MECHANICAL CODE.

ALL DUCT DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. INCREASE LISTED DUCT SIZE TO ACCOMMODATE LINER.

FLEX SHALL NOT EXCEED 6 FT. IN LENGTH AND SHALL BE TYPE "1" FACTORY DUCT. PROVIDE WITH 1 IN. EXTERNAL INSULATION IF MAIN SUPPLY DUCT IS INSULATED.

ALL SUPPLY RUN-OUTS TO HAVE MANUALLY ADJUSTABLE VOLUME DAMPERS WITH ABILITY TO LOCK IN PLACE. THIS SUB-CONTRACTOR SHALL INCLUDE IN HIS/HER BID THE COMPLETE COST FOR THE ELECTRICAL CONTRACTOR TO INTERLOCK EXHAUST FANS AS REQUIRED BY EQUIPMENT SCHEDULE. THIS SUB-CONTRACTOR SHALL FIELD VERIFY 10 FT. MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKE AND ALL VENTS OR EXHAUST OUTLETS.

WALL THERMOSTATS FOR HEATING/COOLING UNITS TO BE AUTOMATIC CHANGEOVER TYPE AND INSTALLED 48 IN. ABOVE FINISHED FLOOR. HEATING/COOLING UNITS SHALL MAINTAIN MINIMUM OUTSIDE AIR AS SHOWN ON SCHEDULE OR SHOWN IN FRESH AIR CALCULATIONS.

ALL AIR HANDLERS OR ROOTOPT UNITS SUPPLYING MORE THAN 2000 CFM OF AIR SHALL BE EQUIPPED WITH A SMOKE DETECTOR IN THE MAIN RETURN AIR DUCT WHICH WILL SHUT THE POWER OFF TO THE UNIT WHEN SMOKE IS DETECTED. THIS SMOKE DETECTOR SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND WIRED BY THE MECHANICAL CONTRACTOR. IN BUILDINGS WHERE FIRE DETECTION OR ALARM SYSTEMS ARE PROVIDED, THE SMOKE DETECTOR SHALL BE WIRED BY THE ELECTRICAL CONTRACTOR AND SHALL BE SUPERVISED BY FIRE ALARM SYSTEM. SEE LATEST EDITION INTERNATIONAL MECHANICAL CODE FOR ADDITIONAL REQUIREMENTS. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL REMOTE TEST SWITCH AND INDICATING LIGHT AT CEILING LOCATION NEAR FURNACE/ROOFTOP LOCATION.

MECHANICAL CONTRACTOR IS RESPONSIBLE TO HAVE ROOFTOP UNIT MANUFACTURERS TECHNICIAN START ALL ROOFTOP UNITS. PROVIDE WRITTEN REPORT FROM MANUFACTURER FOR START-UP COMMISSIONING.

DUCTWORK
A.DUCTWORK SHALL BE GALVANIZED SHEET METAL INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. INSTALL TURNING VANES IN ALL ELBOWS. ALL SPIN-IN FITTINGS AND RUNOUTS TO ANY REGISTERS, RETURN, OR EXHAUST TERMINAL SHALL BE PROVIDED WITH MANUAL VOLUME DAMPERS.
B. ALL DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH SMACNA STANDARDS. THE DUCT PRESSURE CLASS SHALL BE AS NOTED ON PLANS OR CORRESPONDING TO THE MAXIMUM EQUIPMENT ESP ON EACH SYSTEM. THE DUCTWORK SHALL BE SEALED TIGHT. LEAKAGE MAY NOT EXCEED 10% OF DESIGN AIRFLOW AT DESIGN PRESSURE. FOR SMOKE CONTROL SYSTEMS THE DUCT MUST BE TESTED AT 1.5 TIMES ITS DESIGN PRESSURE AND LEAKAGE MAY NOT EXCEED 5% OF DEIGN AIRFLOW.
C.ALL EXPOSED ROUND DUCTWORK SHALL BE SPIRAL DUCT. NO JOISTS OR CONNECTIONS SHALL HAVE ANY VISIBLE SEALANT FROM THE EXTERIOR SO THE DUCTWORK HAS A CLEAN AND WORKMAN LIKE APPEARANCE.
D. DUCT SIZES GIVEN ARE NET INSIDE FREE AREA.
E. EQUIPMENT FLEXIBLE DUCTWORK CONNECTION NOT TO EXCEED 10 INCHES IN LENGTH WITH A MAX. 25 FLAME/50 SMOKE INDEX.
F. FLEXIBLE DUCTWORK TO AIR DEVICES SHALL HAVE A MAXIMUM STRETCHED LENGTH OF 6 FEET. SUITABLE FOR RETURN AIR PLENUM.
G.ALL EXHAUST TERMINALS MUST BE 3'-0" AWAY FROM IN ELEVATION FROM OPERABLE PORTION OF WINDOW AND DOORS. MC TO OFFSET AS REQUIRED.
H. ALL DIRECT VENT VENT TERMINALS MUST BE 4'-0" AWAY IN ELEVATION HORIZONTALLY OR BELOW AND ATLEAST 1'-0" ABOVE ANY OPERABLE PORTION OF A WINDOW OR DOOR. MC TO OFFSET AS REQUIRED.

INSULATION
A.ALL ROUND CONCEALED RIGID SUPPLY DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH NOMINAL 1-1/2" THICK (MINIMUM R-6.0) FIBER GLASS INSULATION WITH FIRE RETARDANT VAPOR BARRIER.
B. OUTDOOR AIR INTAKE DUCTS SHALL BE EXTERNALLY WRAPPED WITH NOMINAL 1-1/2" THICK (MINIMUM R-5.0) FIBER GLASS INSULATION WITH FIRE RETARDANT VAPOR BARRIER.
C.IN DRY ENVIRONMENTS (GENERALLY 1% SUMMER DESIGN MCWB < 74 F): WHEN LOCATED IN UNCONDITIONED SPACES ALL RECTANGULAR DUCTWORK SHALL BE LINED WITH 1" THICK 2 POUND DENSITY (MINIMUM R-6.0) FIBER GLASS ACOUSTIC DUCT LINER. ALL DUCTWORK EXPOSED TO OUTDOOR AMBIENT TYPE CONDITIONS (UNCONDITIONED ATTICS, OUTSIDE AIR DUCTS, ETC) SHALL BE EXTERNALLY WRAPPED OR INTERNALLY LINED IN 2 - 2.5" NOMINAL INSULATION (MINIMUM R-8.0). ALL OUTDOOR DUCTWORK SHALL HAVE 2 - 2.5" DUCTLINER (MINIMUM R-8.0) AND THE DUCT BE SEALED WEATHERPROOF PER SMACNA GUIDELINES. RECTANGULAR DUCT WORK IN RETURN AIR PLENUM SHALL BE LINED WITH 1/2" THICK 2 POUND DENSITY (MINIMUM R2.1) MAT-LACED ACOUSTIC DUCT LINER.

HEAT PUMP UNITS
A.FURNISH AND INSTALL HORIZONTAL HEAT PUMPS AS SCHEDULED ON THE PLANS. HEAT PUMP UNITS SHALL BE AS MANUFACTURED BY ARCTIC HEAT PUMP, SPACE PAK OR OTHER EQUAL MANUFACTURERS.
B. UNIT SHALL BE CERTIFIED AND COORDINATED WITH THE CONDENSER WATER SYSTEM. CONTRACTOR TO PROVIDE CONDENSER WATER PIPING AND CONTROLS FOR A COMPLETE INSTALLATION AND INTEGRATION WITH THE BUILDING SYSTEMS
C.UNITS SHALL BE ARI CERTIFIED IN PERFORMANCE.

FURNACE UNITS
A.FURNISH AND INSTALL HORIZONTAL FURNACE UNITS WITH COOLING COIL AND/OR HEATING COIL AS SCHEDULED ON THE PLANS. FURNACE UNITS SHALL BE AS MANUFACTURED BY CARRIER, YORK, OR EQUAL MANUFACTURE.
B. PROVIDE SPACE THERMOSTAT AND INTERLOCK WIRING DIAGRAM APPROPRIATE FOR SYSTEM. THERMOSTAT SHALL HAVE HEAT OFF COOL, FAN AUTO CONTINUOUS SWITCH.
C.UNIT SHALL BE CERTIFIED AND COORDINATED WITH CONDENSING UNIT OF SAME MANUFACTURER. UNIT MANUFACTURE SHALL SIZE REFRIGERANT PIPING TO BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENT.
D. AIR COOLED CONDENSING UNITS:
D.1. FURNISH AND INSTALL AIR COOLED DIRECT EXPANSION REFRIGERANT CONDENSING UNITS WHICH ARE COMPATIBLE WITH AND OF SAME MANUFACTURER AS FAN COIL UNITS.
D.2. UNITS SHALL BE ARI CERTIFIED IN PERFORMANCE.
E. CONDENSATE DRAINS.
E.1. ROUTE CONDENSATE DRAIN TO NEAREST FLOOR DRAIN, FLOOR SINK, OR LAV/SINK TRAP. PROVIDE SEPARATE DRAIN LINE FOR FAN COIL DRAIN PAN.
E.2. PROVIDE CONDENSATE PUMP AND COORDINATE WITH ELECTRICAL CONTRACTOR FOR FULL INSTALLATION WHEN A GRAVITY DRAIN IS NOT AVAILABLE.

ELECTRIC HEATING UNITS
A.FURNISH AND INSTALL ELECTRIC HEATING EQUIPMENT AS SCHEDULED AND INDICATED ON THE PLANS.
B. ELECTRIC UNIT HEATERS SHALL BE FURNISHED COMPLETE WITH ALL MOUNTING HARDWARE AND ACCESSORIES INCLUDING SPACE THERMOSTAT AND/OR SELF CONTAINED THERMOSTAT AS REQUIRED FOR OPERATION.
C.PROVIDE WHITE COLOR FINISH UNLESS OTHERWISE INDICATED.
D. ALL UNITS SHALL BE UL LISTED.
E. MC SHALL REVIEW SURFACE VERSUS RECESS MOUNTING OPTIONS WITH GC PRIOR TO ORDERING EQUIPMENT. ASK FOR CLARIFICATION IF CONFLICTS ARISE DUE TO RATED WALLS, RATED CEILING, STRUCTURE, ETC.

EXHAUST FANS
E.1. TOILET ROOM EXHAUST SHALL BE PROVIDED WITH TIMER SWITCH (5MIN INTERVALS THRU 30MIN) .
E.2. TOILET EXHAUST FAN TO BE PROVIDED WITH ON/OFF SWITCH INDEPENDENT FROM LIGHT SWITCH.
E.3. MECH AND ELEVATOR ROOM FAN SHALL OPERATE CONTINUOUSLY



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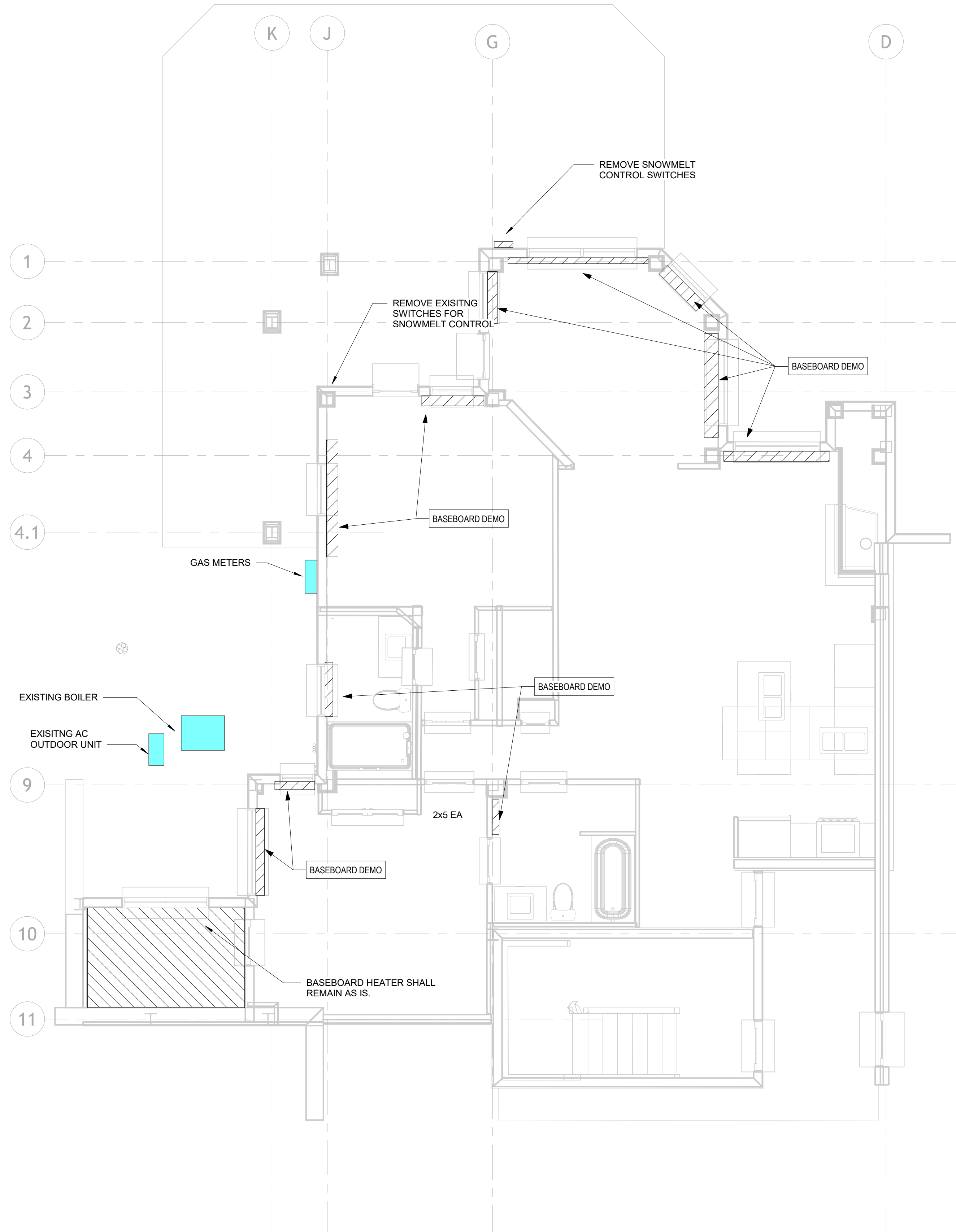
CHAMONIX UNIT C17 RENOVATION

476 WOOD ROAD SNOWMASS VILLAGE, CO

PROJECT NUMBER:	2024-05
DRAWN BY:	PK
CHECKED BY:	BMS
ISSUE:	PERMIT SET
DATE:	07/17/2025
REVISION:	DATE
TITLE	MECHANICAL SPECS
SHEET #	M-002

MECHANICAL GENERAL NOTES

3. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2021 IRC, IMC, 2021 IECC, AND ALL LOCAL & STATE CODES.
2. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
3. MECHANICAL CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER.
4. THESE PLANS ARE SCHEMATIC IN NATURE AND MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS.
5. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO REVIEW THE DRAWINGS FOR ALL DISCIPLINES AND PROVIDE LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
6. THE MECHANICAL CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
7. ALL PROPOSED MECHANICAL EQUIPMENT SHALL BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT.
8. PAINT ALL VTR'S, FLUES, EXHAUST CAPS, AND OTHER MECHANICAL ITEMS ON THE ROOF TO MATCH THE ROOF COLOR.
9. INSULATED FLEXIBLE DUCTWORK MAY BE USED FOR RUNOUTS TO GRILLES AND DIFFUSERS, IN LENGTHS OF 5'-0" OR LESS.
10. MAINTAIN MINIMUM OF 10'-0" DISTANCE BETWEEN ALL FRESH AIR INTAKES AND EXHAUST OR GAS FLUE DISCHARGES.
11. LOCATE ACCESS HATCHES SO AS TO PROVIDE OPTIMUM SERVICEABILITY TO EQUIPMENT AND/OR VALVING. SEE ARCHITECTURAL SPECIFICATION FOR TYPE AND COLOR. COORDINATE LOCATION WITH STRUCTURAL & LIGHTING.
12. WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
13. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COST SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR (OR THEIR SUBCONTRACTORS) AFTER BIDS HAVE BEEN SUBMITTED AND CONTRACTS AWARDED FOR FAILURE TO VERIFY EXISTING FIELD CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION FOR ALTERNATIVE METHODS OF INSTALLATION PRIOR TO THE BIDDING OF THIS PROJECT.
14. UNLESS OTHERWISE NOTED ALL EXISTING MECHANICAL EQUIPMENT, PIPING, ETC. TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR UNDER THIS CONTRACT. THE OWNER SHALL RETAIN THE RIGHT TO KEEP ANY REMOVED ITEMS.
15. ALL HEAT EXCHANGERS SHALL BE PIPED IN COUNTERFLOW ORIENTATION.
16. UNLESS OTHERWISE INDICATED ALL DUCTWORK SHOULD HAVE ACOUSTIC LINING WITHIN 10' OF EQUIPMENT.
17. ALL DUCTWORK SHOWN IS TO BE ROUTED BETWEEN FINISHED FLOOR OF ASSOCIATED LEVEL AND FINISH FLOOR OF LEVEL ABOVE.
18. ALL EQUIPMENT SHOWN IS TO BE LOCATED BETWEEN FINISHED FLOOR OF ASSOCIATED LEVEL AND FINISHED FLOOR OF LEVEL ABOVE. AIR TERMINALS WITH TAGS ARE SERVING THE PLAN'S ASSOCIATED LEVEL.
19. MECHANICAL EQUIPMENT LOCATED IN CEILING OR ATTIC SHALL INCLUDE A UL508 LISTED WATER DETECTION DEVICE IN THE DRAIN PAN THAT WILL SHUT THE EQUIPMENT OFF IN THE EVENT THE DRAIN IS PLUGGED OR PUMP BECOMES NON FUNCTIONAL.
20. REFERENCE ARCHITECTURAL LIGHTING PLANS FOR EXACT EXHAUST FAN AND DIFFUSER LOCATIONS.
21. RADIANT MANIFOLDS TO BE LOCATED WITHIN TEN FEET OF ZONE.
22. THERMOSTATS AND SENSORS TO BE LOCATED ON UNOCCUPIED AREA OF WALL, FREE FROM ARTWORK AND WALL HANGINGS. FINAL LOCATION SHALL BE COORDINATED WITH ARCHITECT.
23. GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR RADIANT AND SNOWMELT MANIFOLDS.



1 FLOOR LEVEL DEMO
1/4" = 1'-0"



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CHAMONIX UNIT C17 RENOVATION

4/6 WOOD ROAD SNOWMASS VILLAGE, CO

PROJECT NUMBER:	2024-05
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AWN BY: Author

CHECKED BY: Checker

VALUE:	PERMIT SET
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DATE: 07/17/2025

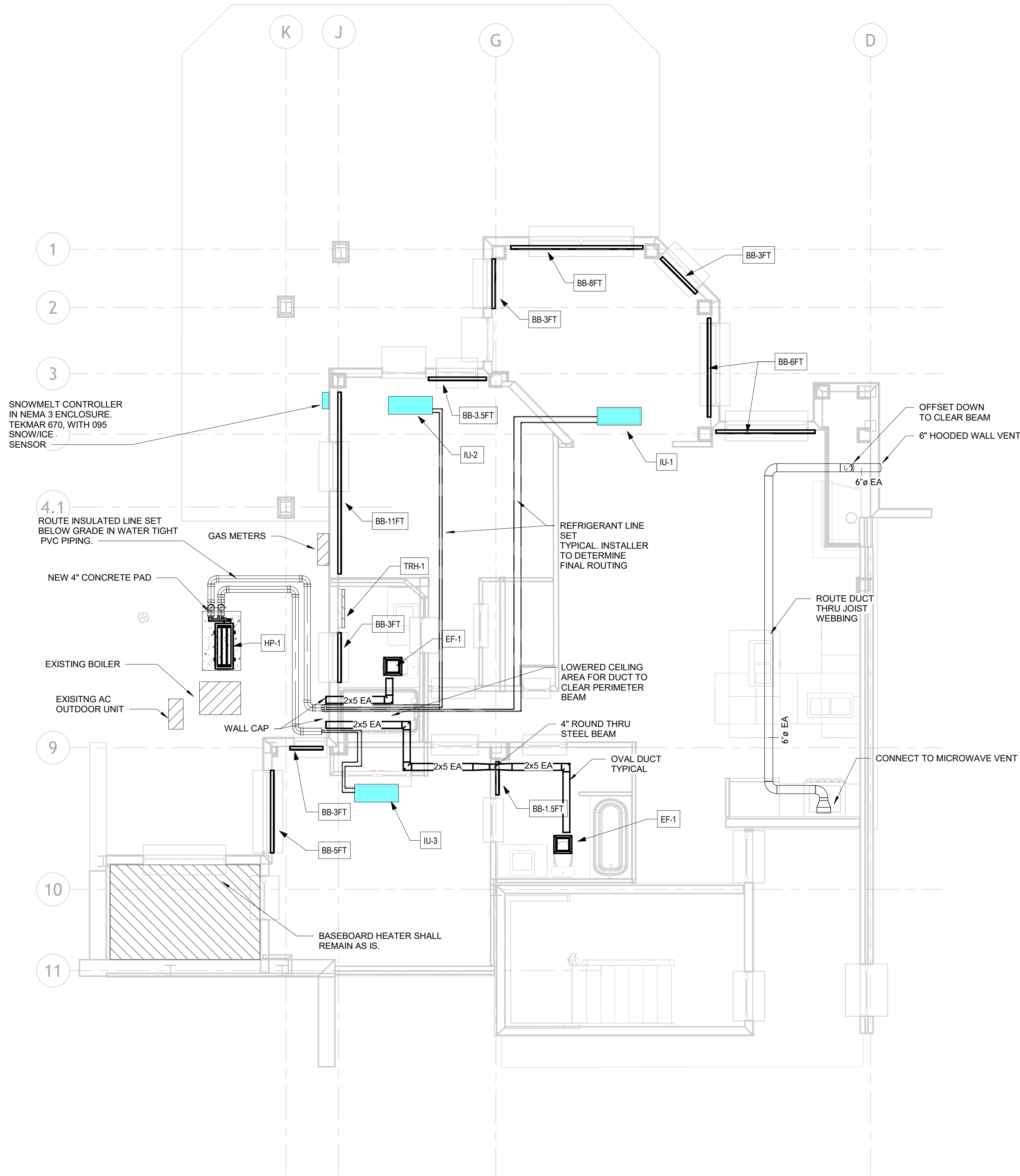
VISION: DATE

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MECH DEMO PLAN

HEET #

MD101



MECHANICAL GENERAL NOTES

- ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE 2021 IRC, IMC, 2021 IECC, AND ALL LOCAL & STATE CODES.
- ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- MECHANICAL CONTRACTORS SHALL RECEIVE PRIOR APPROVAL FROM THE STRUCTURAL ENGINEER BEFORE MAKING CUTS THROUGH ANY STRUCTURAL MEMBER.
- THESE PLANS ARE SCHEMATIC IN NATURE AND MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO REVIEW THE DRAWINGS FOR ALL DISCIPLINES AND PROVIDE LABOR AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
- THE MECHANICAL CONTRACTORS SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
- ALL PROPOSED MECHANICAL EQUIPMENT SHALL BE ON THE APPROVED LIST PRIOR TO SUBMITTALS. ALL APPROVED MANUFACTURERS MUST BE CAPABLE OF MEETING THE REQUIREMENTS OF THE SPECIFIED EQUIPMENT.
- PAINT ALL VTR'S, FLUES, EXHAUST CAPS, AND OTHER MECHANICAL ITEMS ON THE ROOF TO MATCH THE ROOF COLOR.
- INSULATED FLEXIBLE DUCTWORK MAY BE USED FOR RUNOUTS TO GRILLES AND DIFFUSERS, IN LENGTHS OF 5'-0\"/>
- WHENEVER THERE IS A DISCREPANCY BETWEEN THE RUNOUT DUCT SIZE SHOWN ON THE PLANS AND THAT SHOWN IN THE SCHEDULE, ALWAYS USE THE LARGER OF THE TWO DUCT SIZES.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COST SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR (OR THEIR SUBCONTRACTORS) AFTER BIDS HAVE BEEN SUBMITTED AND CONTRACTS AWARDED FOR FAILURE TO VERIFY EXISTING FIELD CONDITIONS. DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR ALTERNATIVE METHODS OF INSTALLATION PRIOR TO THE BIDDING OF THIS PROJECT.
- UNLESS OTHERWISE NOTED ALL EXISTING MECHANICAL EQUIPMENT, PIPING, ETC. TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR UNDER THIS CONTRACT. THE OWNER SHALL RETAIN THE RIGHT TO KEEP ANY REMOVED ITEMS.
- ALL HEAT EXCHANGERS SHALL BE PIPED IN COUNTERFLOW ORIENTATION.
- UNLESS OTHERWISE INDICATED ALL DUCTWORK SHOULD HAVE ACCOUSTIC LINING WITHIN 10' OF EQUIPMENT.
- ALL DUCTWORK SHOWN IS TO BE ROUTED BETWEEN FINISHED FLOOR OF ASSOCIATED LEVEL AND FINISH FLOOR OF LEVEL ABOVE.
- ALL EQUIPMENT SHOWN IS TO BE LOCATED BETWEEN FINISHED FLOOR OF ASSOCIATED LEVEL AND FINISHED FLOOR OF LEVEL ABOVE. AIR TERMINALS WITH TAGS ARE SERVING THE PLAN'S ASSOCIATED LEVEL.
- MECHANICAL EQUIPMENT LOCATED IN CEILING OR ATTIC SHALL INCLUDE A UL508 LISTED WATER DETECTION DEVICE IN THE DRAIN PAN THAT WILL SHUT THE EQUIPMENT OFF IN THE EVENT THE DRAIN IS PLUGGED OR PUMP BECOMES NON FUNCTIONAL.
- REFERENCE ARCHITECTURAL LIGHTING PLANS FOR EXACT EXHAUST FAN AND DIFFUSER LOCATIONS.
- RADIANT MANIFOLDS TO BE LOCATED WITHIN TEN FEET OF ZONE.
- THERMOSTATS AND SENSORS TO BE LOCATED ON UNOCCUPIED AREA OF WALL, FREE FROM ARTWORK AND WALL HANGINGS. FINAL LOCATION SHALL BE COORDINATED WITH ARCHITECT.
- GENERAL CONTRACTOR TO PROVIDE ACCESS PANELS FOR RADIANT AND SNOWMELT MANIFOLDS.

ENERGY CODE COMPLIANCE

- COMPLIANCE WITH THE 2021 IECC. THESE NOTES COVER MANDATORY REQUIREMENTS OF THE CODE. ADDITIONAL REQUIREMENTS ARE NOTED ON THE PLANS AND IN THE SPECIFICATIONS.
- MINIMUM REQUIREMENTS FOR SUPPLY AND RETURN DUCTWORK INSULATION:
 - R-6: DUCTS LOCATED IN UNCONDITIONED SPACES
 - R-8: DUCTS LOCATED OUTSIDE OF THE BUILDING'S INSULATION ENVELOPE (SUCH AS ABOVE THE ATTIC INSULATION)
- CONTRACTOR SHALL VERIFY WITH THE MANUFACTURER, THE R-VALUES OF THE ACTUAL INSULATION USED. R-VALUES SHALL BE INSTALLED VALUES.
- WHERE DUCTS USED FOR COOLING ARE EXTERNALLY INSULATED, THE INSULATION SHALL BE COVERED WITH A VAPOR RETARDER HAVING A MAXIMUM PERMEANCE OF 0.05 PERM OR ALUMINUM FOIL HAVING A MINIMUM THICKNESS OF 2 MILS. INSULATION HAVING A PERMANCE OF 0.05 PERMS OR LESS SHALL NOT BE REQUIRED TO BE COVERED. ALL JOINTS AND SEAMS SHALL BE SEALED TO MAINTAIN THE CONTINUITY OF THE VAPOR RETARDER.
- ALL DUCT JOINTS, SEAMS, AND CONNECTIONS SHALL BE FASTENED AND SEALED WITH WELDS, GASKETS, ADHESIVES, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS, OR TAPES. TAPES AND MASTICS SHALL BE LISTED AND LABELED PER UL181A OR UL181B. DUCT TAPE IS NOT PERMITTED AS A SEALANT ON ANY METAL DUCTS, DUCT CONNECTIONS TO FLANGES OR EQUIPMENT SHALL BE SEALED AND MECHANICALLY FASTENED.
- MINIMUM REQUIREMENTS (THICKNESS) FOR PIPING INSULATION SHALL BE AS FOLLOWS:

FLUID	NOMINAL PIPE DIAMETER	INSULATION R-VALUE
DOMESTIC WATER	ANY SIZE	R-3
HOT/CILLED WATER	ANY SIZE	R-3
REFRIGERANT	ANY SIZE	R-3

THE ABOVE INSULATION IS BASED ON HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU-INCH/ HOUR-FT2-°F
- AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. THE O&M MANUAL SHALL CONTAIN THE FOLLOWING:
 - EQUIPMENT CAPACITY (INPUT & OUTPUT)
 - EQUIPMENT OPERATING AND MAINTENANCE INSTRUCTIONS
 - CONTROL SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS, AND CONTROL SEQUENCES
 - CONTROL SYSTEM SETPOINTS SHALL BE SHOWN ON CONTROL DRAWINGS, AT CONTROL DEVICES
 - A COMPLETE WRITTEN NARRATIVE ON HOW EACH MECHANICAL SYSTEM IS INTENDED TO OPERATE



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CHAMONIX UNIT C17 RENOVATION

476 WOOD ROAD SNOWMASS VILLAGE, CO

PROJECT NUMBER: 2024-05
DRAWN BY: Author
CHECKED BY: Checker
ISSUE: PERMIT SET
DATE: 07/17/2025
REVISION: DATE

TITLE
MECH NEW
WORK PLAN

SHEET #
MH101



476 WOOD ROAD SNOWMASS VILLAGE, CO



DUCT CONSTRUCTION SHEET METAL THICKNESSES



- ① PAD MOUNTED HEAT PUMP, 4" CONCRETE PAD
- ② INDOOR UNIT, DIRECT EXPANSION (DX) COIL.
- ③ DISTRIBUTION NOZZLE
- ④ GLOBE VALVES AT OUTDOOR UNIT.
- ⑤ SWING JOINT.
- ⑥ PIPE PENETRATION THROUGH ROOF. SEE PIPING THRU ROOF DETAIL ON THIS SHEET.
- ⑦ REFRIGERANT SUCTION LINE
- ⑧ REFRIGERANT LIQUID LINE
- ⑨ SIGHT GLASS
- ⑩ REMOTE BULB
- ⑪ FILTER
- ⑫ LIQUID CHARGING VALVE
- ⑬ STRAINER
- ⑭ SOLENOID VALVE TO BE LOCATED AS CLOSE TO EXPANSION VALVE AS POSSIBLE.
- ⑮ EXPANSION VALVE

VENTILATION SCHEDULE									
SYSTEM	ROOM/ZONE NAME	ZONE FLOOR AREA (SQ.FT)	OUTDOOR AIR FLOW PER AREA (CFM/SQ.FT)	ZONE OCCUPANT DENSITY (#BEDROOMS+1)	OUTDOOR AIR FLOW PER OCCUPANT (CFM/PERSON)	TOTAL OCCUPANTS #	OUTDOOR AIR FLOW (CFM)	AIR DISTRIBUTION EFFECTIVENESS (Ez)	MINIMUM REQUIRED VENTILATION AIR FLOW (CFM)
EF-1	WHOLE HOUSE	1250	0.01	3	7.5	3	35	1.0	35
REMARKS: 1. EF-1 SHALL OPERATE INTERMITTANTLY TO MEET VENTILATION REQUIREMENTS 3. PER IRC 2015									

EXHAUST FAN SCHEDULE												
SYMBOL	TYPE	BLOWER				ELECTRICAL			MAXIMUM SONES	OPERATING WEIGHT (LBS)	MANUFACTURER AND MODEL	REMARKS
		CFM	ESP	MAXIMUM RPM	DRIVE	WATTS	AMPS	V/Φ				
EF-1	CEILING MOUNT	50	0.2	722	DIRECT	3.1	0.04	120/1	0.3	13	PANASONIC FV-0511VK2	1, 2, 3
REMARKS: 1. SUBMIT ALTERNATE MANUFACTURER FOR APPROVAL. 2. PROVIDE UNIT WITH BACK DRAFT DAMPERS, OUTLET FLEX DUCT CONNECTION, FAN SPEED CONTROLLER, THERMAL OVERLOAD PROTECTION, HANGING VIBRATIONG ISOLATORS. 3. PROVIDE WITH PANASONIC FV-WCPT1-W SMARTH SWITCH FOR VENTILATION AND FAN/LIGHT CONTROL.												

HYDRONIC RADIATOR HEATER SCHEDULE									
MARK	TYPE	HEATING CAPACITY (BTU/HR)	TOTAL LENGTH(FT)	HEATING WATER SUPPLY			SIZE (IN)	MANUFACTURERE AND MODEL	REMARKS
				EWI	LWT	MIN. FLOW (GPM)			
BB-1	BASEBOARD	600/FT	ON PLANS	180	--	2.0	6"x2"x LENGTH	RUNTAL UF-2	1, 2, 3
TRH-1	TOWEL RACK RADIATOR	2,228	--	180	--	2.0	33x19.5x4.5	RUNTAL NTR-3320	1, 3, 4
REMARKS: 1. SUBMIT ALTERNATE FOR APPROVAL 2. PROVIDE TRIM PANELS TO CONCEAL ALL PIPING AND VALVES 3. FINISH/COLOR TO BE DETERMINED BY ARCHITECT/HOWNER....									

OUTDOOR UNIT HEAT PUMP SCHEDULE											
MARK	SERVICE	TYPE	NOMINAL SIZE	REFRIGERANT TYPE	SEER	COP@17F	ELECTRICAL DATA			MANUFACTURER AND MODEL	REMARKS
							V/Ø	MCA	MOCP		
HP-1	IU-1,2,3	AIR-TO-AIR	2 TONS	R410	20.0	2.24	230/1	14.0	25	MITSUBISHI / MXZ-3C24NA3-U1	1, 2, 3
REMARKS: 1. SUBMIT ALTERNATE FOR APPROVAL 2. PROVIDE WITH 12" SUPPORT STAND FOR SNOW CLEARENCE 3. PROVIDE WITH MITSUBISHI TEMPERATURE TSTAT/CONTROLLER FOR EACH INDOOR UNIT											

INDOOR UNIT SCHEDULE													
INDOOR UNIT												OUTDOOR UNIT	REMARKS
MARK	MANUFACTURER AND MODEL	SERVICE AREA	COOLING CAPACITY (BTU)	HEATING CAPACITY@17F (BTU)	AIRFLOW	ESP (" WC)	VOLT/PH	MCA	SOUND PRESSURE (dB)	DIMENSIONS (IN)	WEIGHT (LBS)	MARK	
IU-1	MITSUBISHI MLZ-KP09NA	SOLARIUM+LIVING +KITCHEN	9000	12000	311	--	208/230/1	12.0	38	43Wx14Dx7.2H	42	HP-1	1,2,3,4,5,6
IU-2	MITSUBISHI MLZ-KP06NA	BEDROOM#1	6000	9000	260	--	208/230/1	12.0	32	43Wx14Dx7.2H	42	HP-1	1,2,3,4,5,6
IU-3	MITSUBISHI MLZ-KP06NA	BEDROOM#2	6000	9000	260	--	208/230/1	12.0	32	43Wx14Dx7.2H	42	HP-1	1,2,3,4,5,6
REMARKS: 1. INSTALL PER MANUFACTURER'S WRITTEN INSTRUCTIONS. 2. PROPERLY SUPPORT AND PROTECT ALL EXTERIOR PIPING INTO BUILDING. PROTECT PENETRATIONS PER IBC FIRE RATINGS AS REQUIRED. 3. COOLING DESIGN CAPACITIES BASED ON IAT: 80F DB / 67F WB AND OAT: 85F DB. 4. HEATING DESIGN CAPACITIES BASED ON IAT: 70F DB AND OAT: 17F DB / 43F WB. 5. OUTDOOR UNITS ARE CONNECTED TO INDOOR UNITS DIRECTLY 6. PROVIDE CONDENSATE PUMP.													

MANUAL J HEATING AND COOLING LOAD CALCULATIONS SUMMARY					
PROJECT TITLE:		CHAMONIX BUILDING C UNIT 17			
PROJECT LOCATION:		SNOWMASS VILLAGE, COLORADO			
DESIGNER:		BMS Engineering LLC		DATE:	06-29-2025
DESIGN CONDITIONS:		SUMMER	85.0 °F DB	WINTER	-14.0 °F DB
INDOOR CONDITIONS:		SUMMER	75.0 F DB	WINTER	70.0 F DB
			HEATING	COOLING	
AREA	FLOOR SQ....	ZONE #	(BTU/Hr)	BTU/Hr/SQ. FT	SENSIBLE (BTU/Hr) TOTAL (BTU/Hr)
KITCHEN/LIVING+ENTRY	432	1	4623	10.7	750 760
MASTER BEDRM#1	203	2	9563	47.1	2250 2260
BEDRM#2	280	3	4280	15.2	2800 2800
MASTER BATHRM#1	47	2	3000	63.8	1554 1555
BATHRM#2	64	3	250	3.9	0 0
SOLARIUM	136	4	12480	91.7	5000 5000
OWNERS CLOSET	52	3	3600	69.2	650 650
TOTAL=			37,796		13,025



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CHAMONIX UNIT C17 RENOVATION

476 WOOD ROAD SNOWMASS VILLAGE, CO



PROJECT NUMBER:	2024-05
DRAWN BY:	Author
CHECKED BY:	Checker
ISSUE:	PERMIT SET
DATE:	07/17/2025
REVISION:	DATE
TITLE	MECHANICAL SCHEDULES
SHEET #	M-601



① FLOOR LEVEL ELEC
1/4" = 1'-0"

DEMOLITION NOTES:

- ## POWER PLAN NOTES:

- | | |
|--|--------------------------------------|
|  | |
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| <div> <div>CHAMONIX UNIT C17 RENOVATION</div> <div>476 WOOD ROAD SNOWMASS VILLAGE, CO</div> </div> | |
| PROJECT NUMBER: | 2024-05 |
| DRAWN BY: | PK |
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| ISSUE: | PERMIT SET |
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| | |
| TITLE | ELECTRICAL
ONE-LINE,
SCHEDULES |
| SHEET # | E-002 |