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REVISIONS

NO.	MM-DD-YR	NAME	DESCRIPTION OF CHANGES

CRABTREE ROHRBAUGH & ASSOCIATES - ARCHITECTS

401 EAST WINDING HILL ROAD  
MECHANICSBURG, PA 17055  
717-458-0272 FAX 717-458-0047

www.cra-architects.com

250 WEST MAIN STREET, SUITE 200  
CHARLOTTEVILLE VA 22902  
434-975-7262 FAX 434-975-7263

RENOVATIONS TO THE ISABEL HOLMES BRIDGE

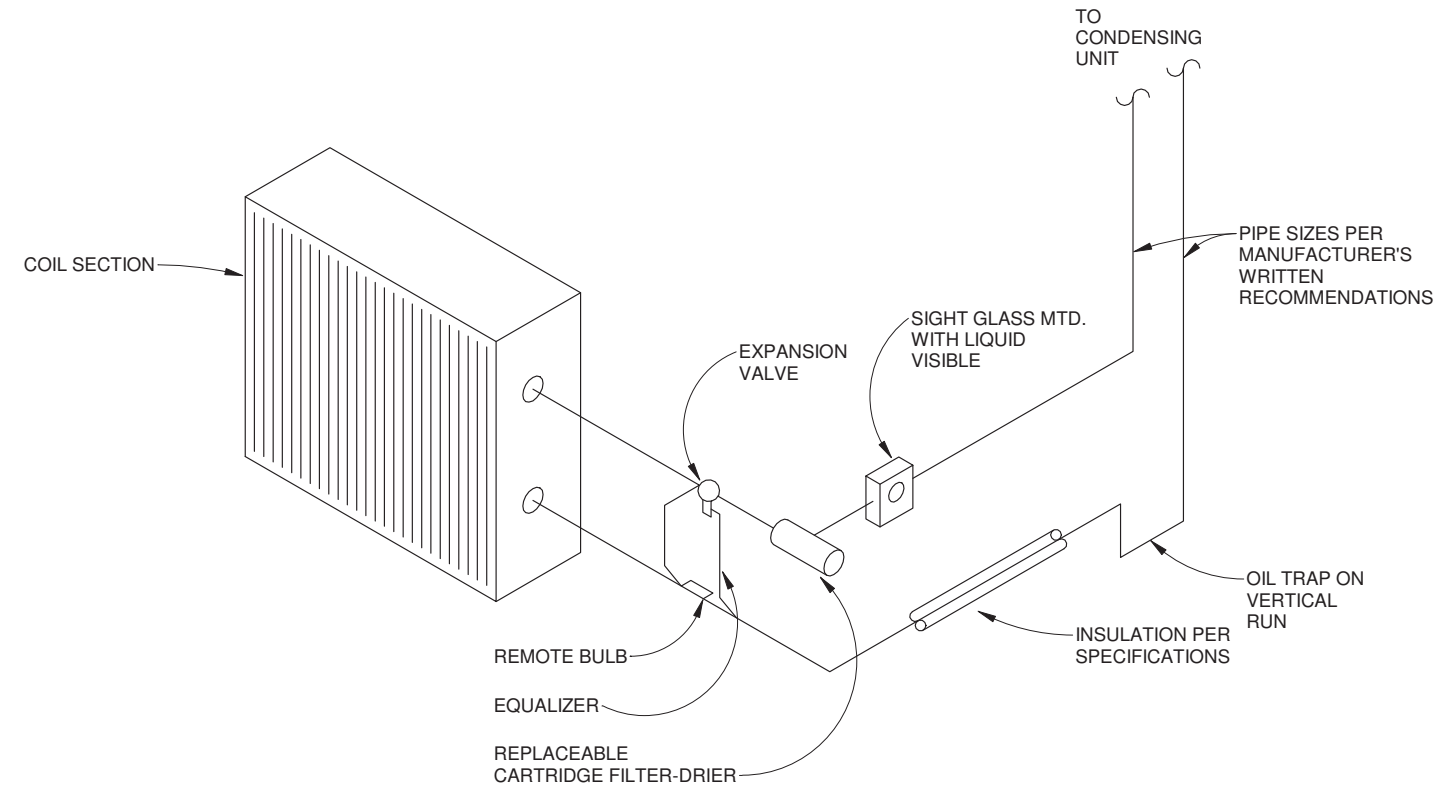


GENERAL NOTES

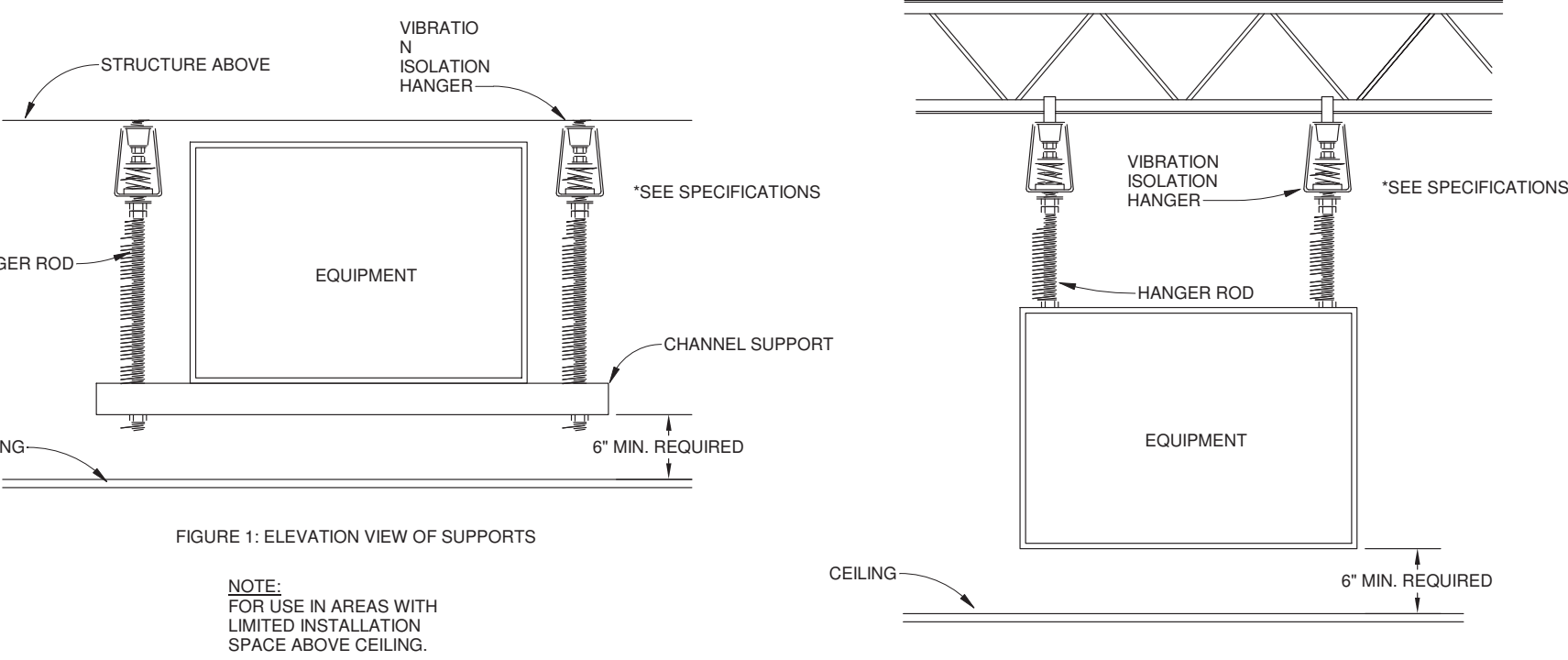
PLOT SCALE:  
NO SCALE  
FILENAME:  
18018 Holmes Bridge NC Peak 18 HVAC.rvt  
DATE:  
NOVEMBER 2, 2018

PROJECT  
3133

M0.1



3 SPLIT SYSTEM REFRIGERANT PIPING DETAIL  
M0.1 NO SCALE



2 VIBRATION ISOLATION FOR SUSPENDED EQUIPMENT DETAIL  
M0.1 NO SCALE

MECHANICAL GENERAL NOTES  
(APPLY TO ALL DRAWINGS)

- ALL WORK AND EQUIPMENT SHALL COMPLY WITH ALL APPLICABLE LAWS, CODES, AND REQUIREMENTS, OF ALL AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL MECHANICAL CODE, THE INTERNATIONAL PLUMBING CODE, THE INTERNATIONAL ENERGY CODE, THE LOCAL FIRE MARSHALL, UNDERWRITERS LABORATORY, IRI, FM, OSHA, AND THE NATIONAL ELECTRICAL CODE. MODIFICATIONS REQUIRED BY THE ABOVE AUTHORITIES IN ORDER TO BRING THE PROJECT INTO CODE COMPLIANCE SHALL BE MADE AT NO ADDITIONAL COST TO OWNER. IF CONTRACT DOCUMENTS ARE MORE STRINGENT THAN CODE REQUIREMENTS, THE CONTRACT DOCUMENTS SHALL GOVERN.
- ALL SPECIFICATIONS AND DRAWINGS ARE COMPLEMENTARY AND MUST BE USED IN COMBINATION TO OBTAIN COMPLETE CONSTRUCTION INFORMATION. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER, AND WORK SHALL CEASE ON THAT PORTION OF THE PROJECT UNTIL CLARIFICATIONS ARE ISSUED.
- WORK SHALL BE EXECUTED IN A GOOD WORKMANLIKE MANNER USING MECHANICS IN THEIR RESPECTIVE TRADES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES FOR COORDINATING THE WORK UNDER THIS CONTRACT. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL DELIVER COMPLETE AND FUNCTIONAL SYSTEMS AS ENCOMPASSED BY THE CONTRACT. ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND CODE REQUIREMENTS.
- WHEREVER FIRE RATED ASSEMBLIES ARE PENETRATED FOR WIRE, DUCT OR PIPE PASSAGE, SEAL AROUND PASSAGES WITH CODE APPROVED, LABORATORY TESTED AND LABELED SEALANT OF FIRE RESISTANCE RATING NOT LESS THAN THAT OF PENETRATED ASSEMBLY THAT WILL PREVENT PASSAGE OF FIRE AND SMOKE. INSTALL APPROPRIATELY RATED FIRE, SMOKE OR COMBINATION DAMPERS IN ALL DUCT THAT PENETRATES RATED ASSEMBLIES WHETHER SHOWN OR NOT. DRAWING SYMBOLS ARE USED AS AN AID, NOT TO DEFINE AN EXACT NUMBER OF PIECES OF EQUIPMENT.
- WIRING OF ALL MOTORIZED OPERATORS AND THERMOSTATS, REGARDLESS OF VOLTAGE ARE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- CONTRACTOR SHALL MAKE ALL FINAL EQUIPMENT CONNECTIONS AND PROVIDE THE NECESSARY ADAPTERS, FITTINGS, VALVES, AND DEVICES FOR A COMPLETE OPERABLE SYSTEM. COORDINATE REQUIREMENT FOR PROVISION OF CONTACTORS, AND CONTROL WIRING FOR PROPER FUNCTIONING SYSTEM WITH ELECTRICAL CONTRACTOR. MOTOR STARTERS, AND DISCONNECTS ARE TO BE PROVIDED BY THIS CONTRACTOR FOR INSTALLATION BY OTHERS.
- CLEAN ALL MECHANICAL EQUIPMENT AND DUCTWORK OF ALL CONSTRUCTION DUST AT PROJECT COMPLETION. REPLACE ALL FILTERS PRIOR TO AIR BALANCING. PROVIDE ONE SPARE SET OF FILTERS FOR EACH PIECE OF EQUIPMENT TO OWNER. NEWLY INSTALLED HVAC EQUIPMENT SHALL NOT BE USED AT ANY TIME FOR TEMPORARY CONDITIONING OF THE SPACE DURING CONSTRUCTION.
- COORDINATE INSTALLATION OF NEW WORK WITH ARCHITECTURAL PLANS, STRUCTURAL PLANS, AND LIGHTING PLANS. CONTRACTOR SHALL TAKE ALL INTERFERENCES INTO CONSIDERATION. PROVIDE ALL NECESSARY OFFSETS OR TRANSITIONS WITH EQUIVALENT AREAS TO MATCH SIZES AS INDICATED ON DRAWINGS.
- DO NOT INSTALL ANY MECHANICAL WORK ABOVE ELECTRICAL PANELS.
- ALL DIMENSIONS AND PIPE SIZES ARE IN INCHES UNLESS NOTED OTHERWISE.
- SLEEVE AND SEAL ALL PIPE, OR DUCT PENETRATIONS OF WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT AND SLEEVE WITH INSULATION IN NON-RATED WALLS AND FLOORS. PACK VOID BETWEEN PIPE, OR DUCT AND SLEEVE WITH INSULATION IN FIRE-RATED WALLS AND FLOORS. APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATION, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT.
- FURNISH AND INSTALL IDENTIFICATION TAGS FOR ALL H.V.A.C. EQUIPMENT. TAGS SHALL BE RIVETED TO ASSOCIATED PIECE OF EQUIPMENT. TAGS SHALL BE CLEAR WITH BLACK LETTERING THAT IDENTIFIES UNIT VALVE SERVES. TAGS SHALL BE TRANSPARENT TO BLEND IN WITH CEILING TILE. M.C. SHALL CONSULT WITH OWNER TO SHOW SAMPLE TAGS BEFORE PURCHASING TAGS.
- FURNISH AND INSTALL ALL EQUIPMENT ELECTRICAL DISCONNECTS UNLESS INDICATED OTHERWISE. DISCONNECTS SHALL BE PROVIDED BY EQUIPMENT MANUFACTURER.

EXHAUST FAN SCHEDULE

SYMBOL	TYPE	MFG	MODEL	CFM	ESP	FAN RPM	ELECTRICAL DATA		CONTROLS	WEIGHT (LBS)	REMARKS
							MOTOR - HP/WATTS (W)	V/PH			
EF-1	CABINET	GREENHECK	SP-80-VG	75	0.375	935	(6)	120/1/60	ACC. MOTION SENSOR	20	1,2

- REMARKS:
- PROVIDE WITH FACTORY DISCONNECT SWITCH AND ACCESSORY MOTION SENSOR.
  - PROVIDE WITH ACCESSORY WALL CAP AND BACKDRAFT DAMPER.

HEAT PUMP SPLIT SYSTEM UNIT SCHEDULE

INDOOR UNIT SYMBOL	MFG	MODEL	SUPPLY FAN	OUTDOOR UNIT SYMBOL	COOLING / HEATING RATED CAP (MBH)	NOM. TONS	SEER	REFRIG. TYPE	ELECTRICAL DATA			WEIGHT (LBS.)	REMARKS
			AIR FLOW						MCA	MOP	V/PH		
MSI-1	LG	LC247HV / LUU247HV	530	MSO-1	24.0 / 27.0	2	17.0	R-410A	18.1	30	208-230/60/1	57	1,2,3,4
MSI-2	LG	LC247HV / LUU247HV	530	MSO-1	24.0 / 27.0	2	17.0	R-410A	18.1	30	208-230/60/1	57	1,2,3,4

- REMARKS:
- PROVIDE UNIT WITH LOW AMBIENT KIT AND WIND BAFFLE.
  - SINGLE POINT POWER CONNECTION TO OUTDOOR UNIT. EC TO PROVIDE DISCONNECT SWITCH FOR OUTDOOR AND INDOOR UNIT. EC TO PROVIDE CONDUIT AND WIRE FROM OUTDOOR UNIT TO INDOOR UNIT.
  - PROVIDE UNIT WITH ACCESSORY MINI CONDENSATE PUMP.
  - OUTDOOR UNIT MOUNTED ON EXISTING STRUCTURE.



610.398.0904  
barryisett.com