MECHANICAL GENERAL NOTES

- GENERAL NOTES ON THIS DRAWING ARE APPLICABLE TO EACH MECHANICAL DRAWING OF THIS SET. REFER TO EACH DRAWING FOR SPECIFIC NOTES APPLICABLE TO THAT DRAWING.
- OUTSIDE AIR INTAKE OPENINGS FOR VENTILATION AIR SHALL BE LOCATED 10'-0" MEASURED FORM ANY FLUES, VENTS, CHIMNEYS, GAS METERS.
- OVERHEAD PIPING IN SPACES WITHOUT HUNG CEILINGS SHALL BE RUN AS CLOSE TO THE ROOF DECK AS PRACTICABLE, AS CLOSE TO PARALLEL JOISTS AS POSSIBLE AND ABOVE LIGHTING FIXTURES TO CONCEAL PIPING.
- COORDINATE LOCATION OF GRILLES, REGISTERS, DIFFUSERS, THERMOSTATS AND OTHER WALL OR CEILING MOUNTED HVAC ACCESSORIES WITH REFLECTED CEILING PLAN. COORDINATE LIGHTING FIXTURE LAYOUT AND ACCESSORIES INSTALLED THROUGHOUT THE ENTIRE BUILDING. IT IS THE INTENT FOR CEILING MOUNTED GRILLES. REGISTERS AND DIFFUSERS TO BE INSTALLED IN THE CENTER OR CEILING PANELS.
- ARRANGE DUCTWORK AND PIPING, PARTICULARLY ABOVE CEILINGS, AS REQUIRED TO CLEAR STRUCTURE, DUCTS, CONDUITS, ETC. ALLOWING SPACE FOR PIPING HANGERS, EXPANSION LOOPS AND ACCESS TO VALVES, FILTERS AND MAINTENANCE OF EQUIPMENT.
- EQUIPMENT WITH FILTERS SHALL BE INSTALLED SO THAT FILTERS CAN BE EASILY REMOVED AND REPLACED.
- 7. CONTRACTOR SHALL VERIFY REFRIGERANT PIPE SIZES WITH EQUIPMENT MANUFACTURER FOR THE INDICATED INSTALLATION.
- COORDINATE LOCATION AND INSTALLATION OF EQUIPMENT WITH ALL OTHER TRADES.
- INSTALL ALL WALL MOUNTED NON-ADJUSTABLE SENSORS AT 5'-0" FROM FINISHED FLOOR TO TOP OF SENSOR. INSTALL ADJUSTABLE DEVICE 4'-0" ABOVE FINISHED FLOOR
- 10. FURNISH ALL MECHANICAL EQUIPMENT WITH DISCONNECTS.
- 11. ALL CONDENSATE PIPING SHALL PVC.
- 12. PROVIDE ALL EXHAUST FANS AND WITH UNIT MOUNTED SPEED CONTROLLER.
- 13. THERMOSTATS SHALL BE CONTROLLED BY OCCUPANTS.
- 14. COORDINATE ALL MECHANICAL WORK WITH ELECTRICAL AND FIRE PROTECTION.
- 15. CONTRACTOR SHALL VISIT JOB SITE TO DETERMINE EXTENT OF WORK INVOLVED PRIOR TO BIDDING PROJECT.
- 16. THE MECHANICAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE.

MECHANICAL GENERAL DEMOLITION NOTES

EXISTING HVAC PIPING, DUCTWORK, AND EQUIPMENT SHOWN IS BASED ON EXISTING PLANS AND FIELD OBSERVATION WITHOUT DESTRUCTIVE INVESTIGATION. AFTER DEMOLITION, ANY CLARIFICATION REQUIRED TO DETERMINE SCOPE OF WORK SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

THE CONTRACTOR SHALL VISIT THE JOB SITE AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.

DRAWINGS DO NOT SHOW EVERY EXISTING PIPE, CONDUIT, DUCT, ETC. CONTRACTOR SHALL TAKE CARE TO REMOVE ONLY ITEMS REQUIRED TO BE REMOVED AND VERIFY PIPES, DUCTS, ETC. BEFORE REMOVAL.

REMOVE EXISTING EXPOSED DUCTWORK, HANGERS, INSULATION, AND PIPING NOT TO BE REUSED.

LEGEND

 $\langle X \rangle$ GRILLE, REGISTER OR DIFFUSER TAG (CFM AS NOTED)

XXX BALANCE EXISTING TERMINAL DEVICE TO INDICATED VALUE

0 SUPPLY AIR DIFFUSER

VOLUME DAMPER BACKDRAFT DAMPER

THERMOSTAT, WALL MOUNTED

POINT OF CONNECTION NEW TO EXISTING

POINT OF DEMOLITION LIMIT

SHEET KEYNOTE

——D—— CONDENSATE DRAIN PIPING

REFRIGERANT LIQUID PIPING, REFRIGERANT SUCTION PIPING

DUCTLESS SPLIT SYSTEM OUTDOOR HEAT PUMP DESIGNATION

EXHAUST FAN DESIGNATION DUCTLESS SPLIT SYSTEM INDOOR UNIT DESIGNATION

PACKAGED ROOFTOP UNIT DESIGNATION

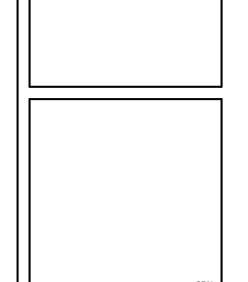
EXISTING TO REMAIN EQUIPMENT

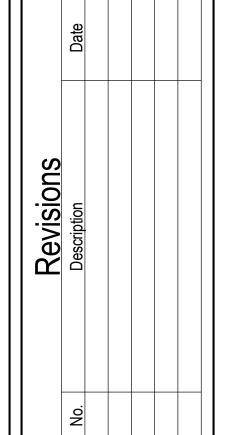
ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
APD	AIR PRESSURE DROP	MBH	1000 BRITISH THERMAL UNITS PER HOUR
APPROX	APPROXIMATELY	MCA	MINIMUM CIRCUIT AMPACITY
AFMS	AIR FLOW MEASURING STATION	MIN	MINIMUM
BDD	BACKDRAFT DAMPER	MOCP	MAXIMUM OVER CURRENT PROTECTION
CFM	CUBIC FEET PER MINUTE	N.C.	NORMALLY CLOSED
DB	DRY BULB TEMPERATURE	N.O.	NORMALLY OPEN
dB	DECIBELS	OA	OUTSIDE AIR
DDC	DIRECT DIGITAL CONTROLS	PD	PRESSURE DROP
DN	DOWN	RA	RETURN AIR
EA	EXHAUST AIR	RH	RELATIVE HUMIDITY
EAT	ENTERING AIR TEMPERATURE	RPM	REVOLUTIONS PER MINUTE
EDB	ENTERING DRY BULB TEMPERATURE	RR	RETURN REGISTER
EL	ELEVATION	SA	SUPPLY AIR
ER	EXHAUST REGISTER	SC	SENSIBLE COOLING
ESP	EXTERNAL STATIC PRESSURE	SD	SMOKE DETECTOR
EWB	ENTERING WET BULB TEMPERATURE	SF	SQUARE FEET
FA	FREE AREA	SP	STATIC PRESSURE
FLA	FULL LOAD AMPS	TC	TOTAL COOLING
GPM	GALLONS PER MINUTE	TSP	TOTAL STATIC PRESSURE
HP	HORSEPOWER	TYP	TYPICAL
KW	KILOWATT	UON	UNLESS OTHERWISE NOTED
LAT	LEAVING AIR TEMPERATURE	VRF	VARIABLE REFRIGERANT FLOW
LDB	LEAVING DRY BULB TEMPERATURE	WB	WET BULB TEMPERATURE
LWB	LEAVING WET BULB TEMPERATURE	WC	WATER COLUMN
LWT	LEAVING WATER TEMPERATURE	WG	WATER GAUGE

ROUND DUCT/PHASE





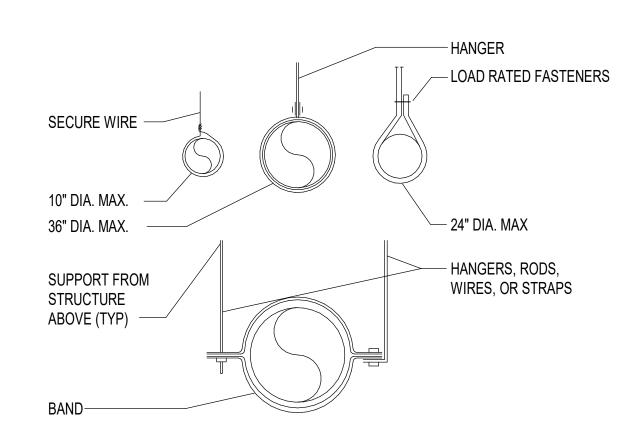


Revisions	No. Description Da				
	No.				

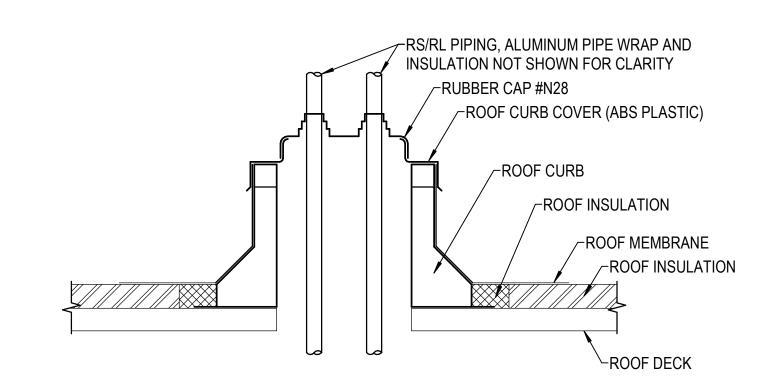
DUCTLESS SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE															
INDOOR UNIT TAG NO. TOTAL COOLING CAPACITY M.B.H.	SENS. COOLING	FAN DATA HEATING DATA			G DATA	ELECTRIC DATA INDOOR UNIT				OUTDOOR	ELECTRIC DATA OUTDOOR UNIT				
		CAPACITY M.B.H.	SUPPLY AIR C.F.M.	E.S.P. (IN. WG.)	MOTOR W	CAPACITY @47°F AMBIENT (MBH)	CAPACITY @17°F AMBIENT (MBH)	M.C.A.	M.O.C.P.	VOLTS	PHASE	UNIT TAG NO.	M.C.A.	M.O.C.P	VOLTS
DSS-1A	12.0	9.3	375	N/A	30	14.0	9.0	FED FROM OUTDOOR UNIT							_
DSS-1B	12.0	9.3	375	N/A	30	14.0	9.0	FED FROM OUTDOOR UNIT			DHP-1	17.0	25.0	230	1

NOTES:

- 1. PROVIDE WALL MOUNTED DUCTLESS SPLIT SYSTEM INDOOR UNIT.
- 2. PROVIDE INDOOR UNIT WITH COIL FREEZE PROTECTION, UNIT MOUNTED THERMOSTAT WITH REMOTE CONTROL, AND INTEGRAL ELECTRICAL DISCONNECT
- 3. PROVIDE OUTDOOR UNIT WITH LOW AMBIENT CONTROL
- 4. PROVIDE ONE OUTDOOR HEAT PUMP CONNECTING TO (2) INDOOR UNITS
- 5. PROVIDE INDOOR UNITS WITH INTEGRAL CONDENSATE PUMP.

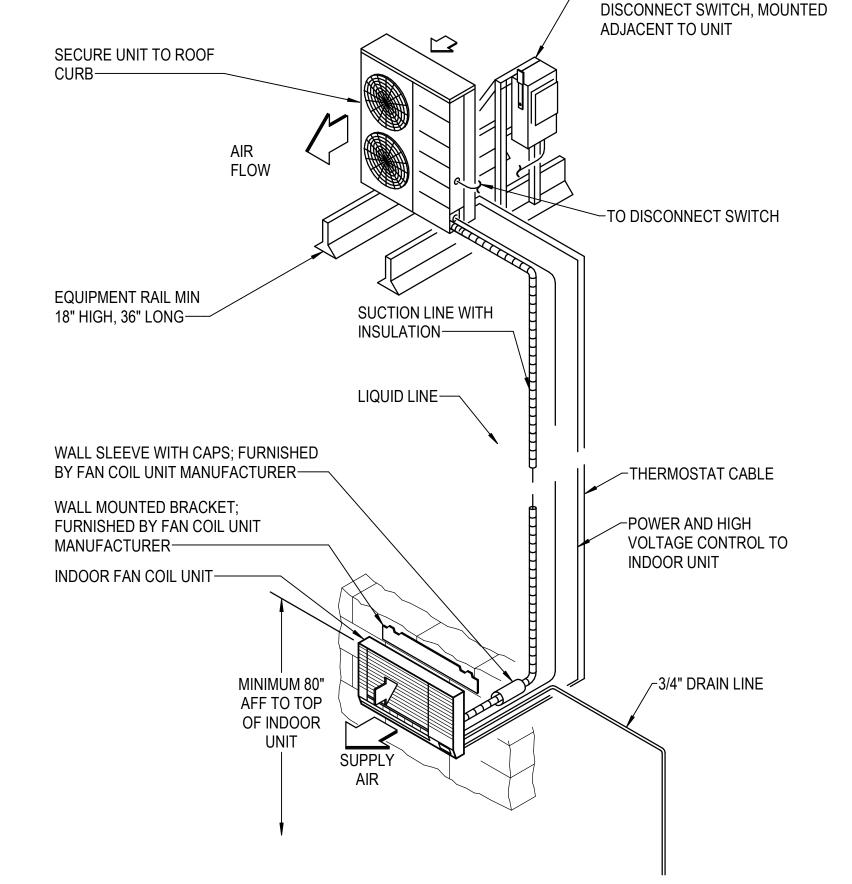






ROOF PIPE PORTAL DETAIL

NO SCALE



A5 DUCTLESS SPLIT SYSTEM PIPING DIAGRAM
NO SCALE

23002 Project #: 01/20/2023 Project Manager Designed By:

ABBREVIATIONS, AND GENERAL NOTES

EXPANSION

CONFIGURE

2330 BOWDENS

-WEATHER PROOF FUSED

SHEET 1 OF 13

Checked By:

