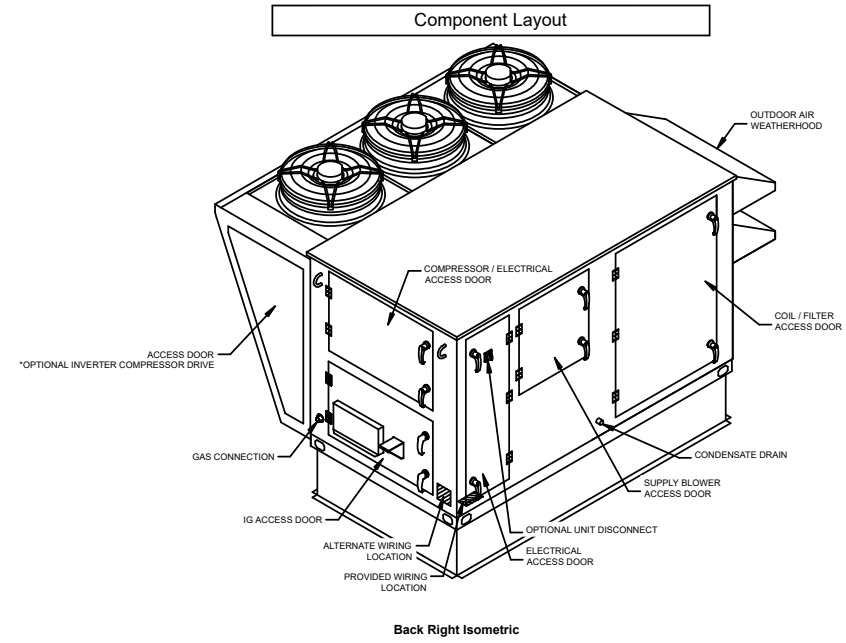


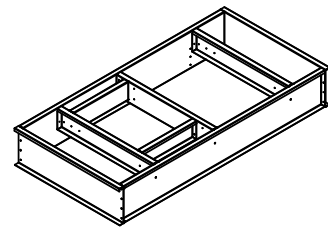
EQUIPMENT SCHEDULE

Packaged Ventilator														
Mark Name	Qty	Model	Mounting Location	Weight	Outdoor Air Volume	Recirc Air Volume	Economizer Outdoor Air Volume	Economizer Exhaust Air Volume						
RTU-1 (DOAS Dining)	1	XRV-25-15J-G-G2	Outdoor	2,426 lb	1,750 CFM	4,400 CFM	NA	NA						
Supply Fan				Electrical										
Supply Air Volume	Supply ESP	Supply TSP	FRPM	Supply BHP	Supply Motor	Voltage	Frequency	Phase	Unit MCA	Unit MOP				
6,150 CFM	0.75 in. wg	4.149 in. wg	2772	7.357	(1) 7-1/2 hp	208	60	3	102.3	150				
Cooling Section														
Coil Entering DB	Coil Entering WB	Coil Leaving DB	Coil Leaving WB	Nominal Tonnage	Total Capacity	Sensible Capacity	Coil Face Velocity	Coil Pressure Drop	Rows Deep	Fins per Inch	Compressor Type	Compressor Qty	AHRI 340/360 EER	AHRI 340/360 IEER
77.8 F	66.4 F	55.3 F	55.3 F	15.0	204.8 MBH	141.7 MBH	463 ft/min	0.677 in. wg	6	14	Inverter Scroll	1	10.8	19.9
Heating Section							Hot Gas Reheat							
Gas Type	Input	Output	EAT	LAT	Furnace Control	Temp Rise	Hot Gas Reheat Capacity	LAT						
Natural	200.0 MBH	162.0 MBH	45.8 F	70.2 F	4:1 Modulating	24.4 F	116.8 MBH	73.5 F						
NOTES														
Painted exterior with 2500 hr. salt spray rating. Double wall 2" R13 injected foam insulated cabinet. Single condenser fan shall not exceed a sound power level of 75 LWA. Compressors mounted on a shelf behind an insulated door for minimized radiated and transmitted sound. Direct-drive fans with factory mounted VFDs. Controller must have simplified access via a laptop to view and change unit operation, set points, alarm history & 1 week of trending data. Inverter scroll lead compressor with a 5 year warranty. EC motors on all condenser fans. Modulating gas furnace with 4:1 Modulating turndown and a 25 year HX warranty.							OPTIONS AND ACCESSORIES Weatherhood: Downturned Hood Supply Filters - 2" Pleated MERV 13, 2-20x20x2, 2-20x24x2 Outdoor Air Dampers - Motorized Low Leakage Recirc Dampers - Motorized Low Leakage Barometric Damper Painted Exterior - Concrete Gray (RAL 7023) Microprocessor Controls Supply Fan VFD Control - Single Zone VAV OAR/A Damper Controls - Constant Position-Adj, Setpoint Economizer Mode - Temp./Enthalpy OA RH Sensor Space Temp and RH - 1 Temp and RH Only Remote Display w/150' Cord Dirty Filter Sensor: Supply Phase and Brown Out Protection Branch Circuit Fusing 120v NEMA 3R Outlet (ships loose power by others) Unit Disconnect - Mounted By Factory Hall Guards Shipped Loose Smoke Detectors - Exhaust Condensate Overflow Switch Economizer Fault Detection Diagnostics Unit Warranty: 18 Months Standard Extended Compressor Warranty: 5 Yrs							

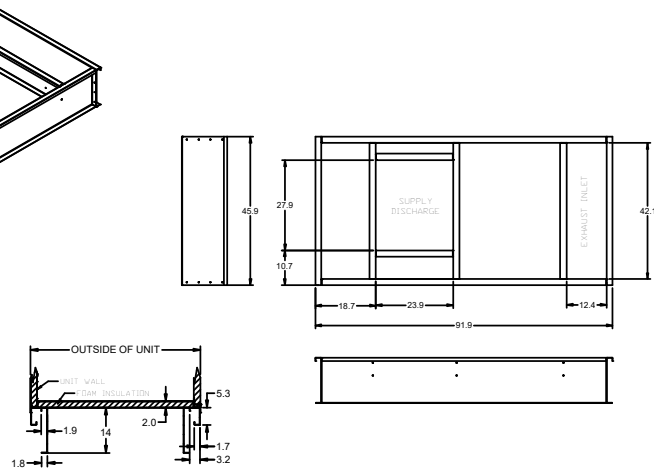


Curb Installation Instructions

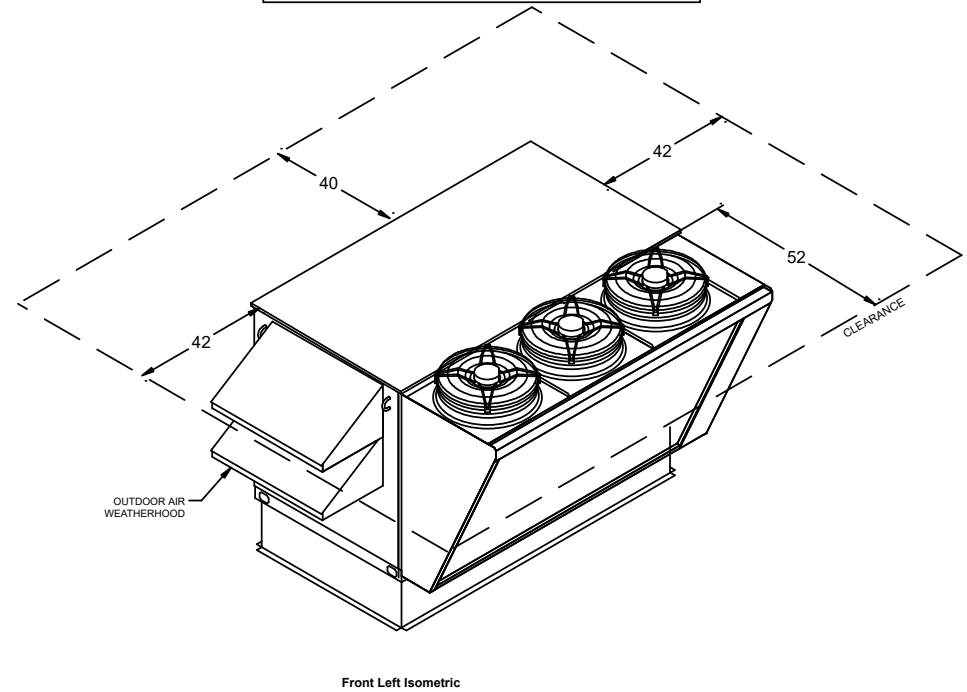
1. Factory supplied roof curbs. Roof curbs are model GKD which ship in a knockdown kit (includes duct adapters) and require field assembly (by others) on all units except XRV-110 which are shipped assembled. Assembly instructions are included with the curb kit.
2. Install curb. Locate curb over roof opening and fasten in place. Check that the diagonal dimensions are within ± 1/8 inch of each other and adjust as necessary. For proper coil drainage and unit operation, it is important that the installation be level. Shim the curb as required to level. Install gasketing on top surface of curb (provided by others).
3. Install ductwork. Installation of all ducts should be done in accordance with SMACNA and AMCA guidelines. Duct adapters are provided to support ducts prior to setting the unit.
4. Set the unit. Lift unit to a point directly above the curb and duct openings. Guide unit while lowering to align with duct openings. Roof curbs fit inside the unit base. Make sure the unit is properly seated on the curb and level.
5. Fasten the unit. Fasten the unit to the curb/equipment support(s) using the appropriate methods. The installer is responsible for determining appropriate support and fastening methods to ensure compliance with all applicable codes.
6. Install vestibule. If unit was ordered with a vestibule and it has not yet been attached to the unit, caulk and attach the vestibule at this time.



Curb Detail

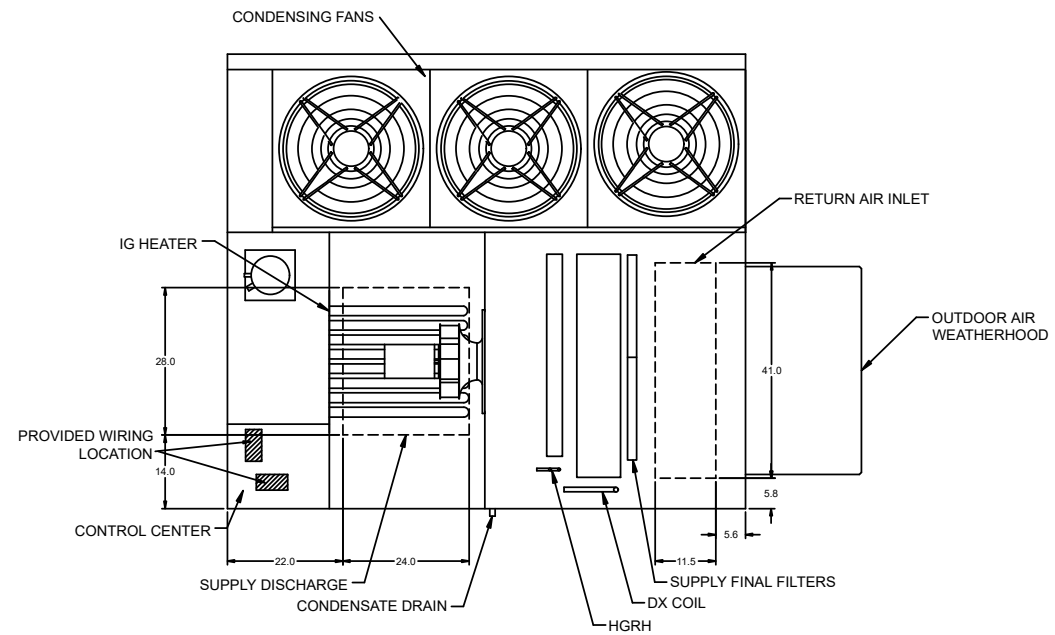


Service Clearances

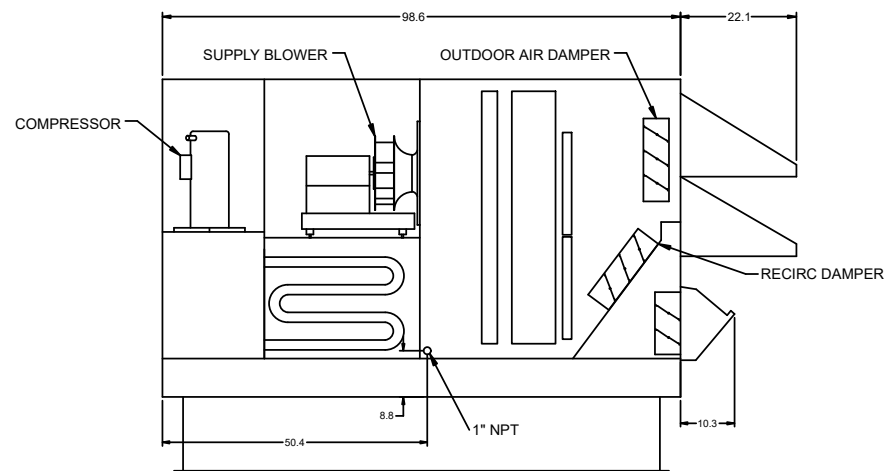


Curb Specifications						
Height (in)	Length (in)	Width (in)	Material	Finish Type	Duct Adapter	Weight (lb)
14	91.9	45.9	Galvanized	Galvanized	Yes	223

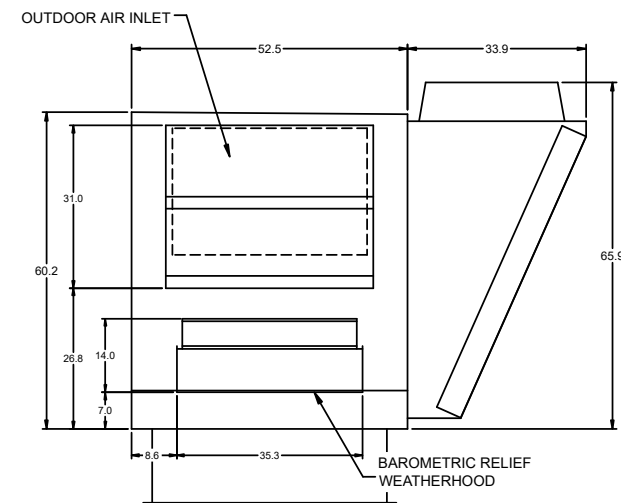
Dimensional Overview



Plan

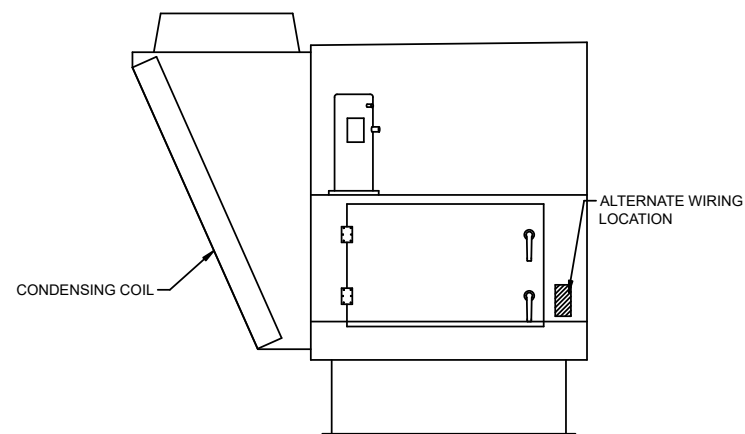
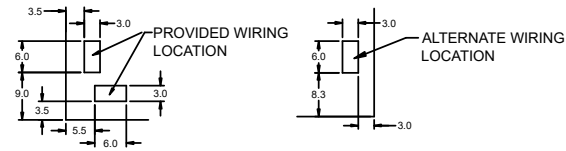


Elevation



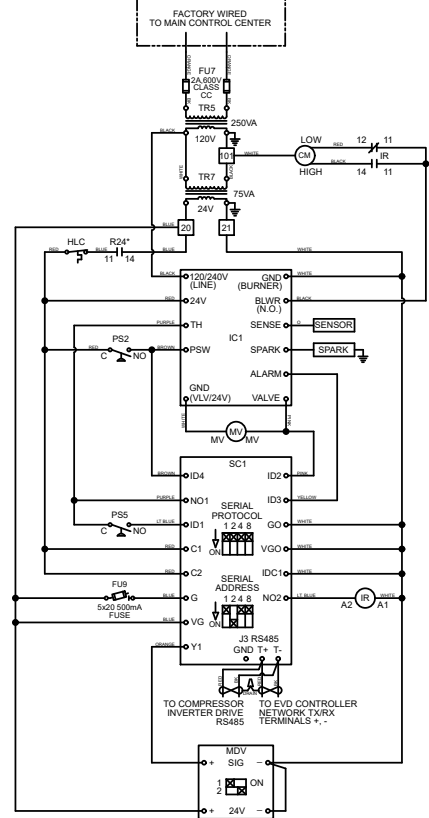
Right End

Electrical Connections



Left End

**INDIRECT GAS WIRING DIAGRAM
FURNACE 1 - 4:1 MODULATING**



ACCUREX

Wiring Diagram Code:
A4K51P1RX0052GS23

CAUTION
UNIT SHALL BE GROUNDED IN ACCORDANCE WITH N.E.C. POWER MUST BE OFF WHILE SERVICING.

NOTES
USE COPPER CONDUCTORS ONLY
SIZING FOR TERMINALS RATED LESS THAN 100 AMPS.
SIZING FOR TERMINALS RATED 100 AMPS OR MORE.
FIELD CONTROL WIRING RESISTANCE SHOULD NOT EXCEED 0.75 OHM.
FIELD WIRED - - - - -
FACTORY SUPPLIED AND WIRED - - - - -

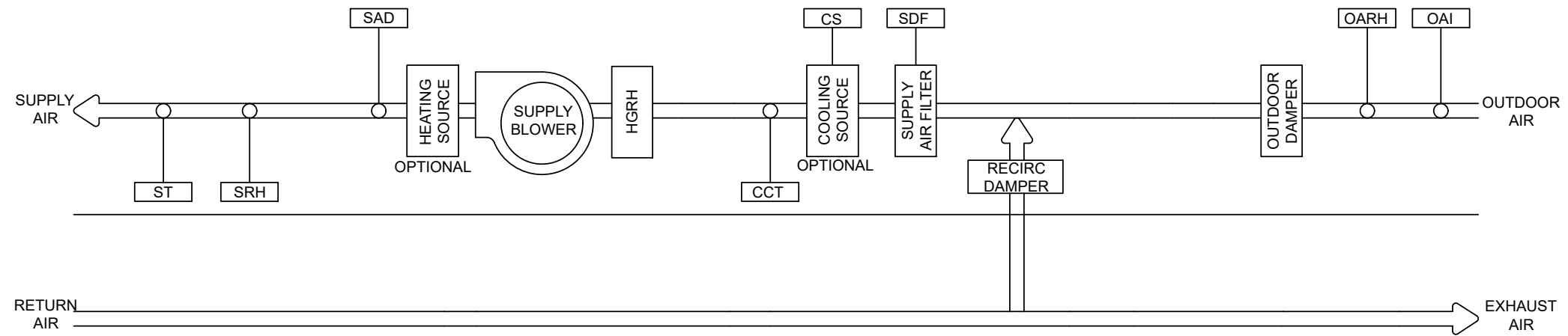
NOTE 1
MODBUS COMMUNICATION WIRING. DAISSY CHAIN TO ALL MODBUS DEVICES.

WIRE COLOR CODE

BK	BLACK	BL	BLUE	BR	BROWN
GY	GRAY	LT BL	LIGHT BLUE	OR	ORANGE
PK	PINK	PR	PURPLE	R	RED
W	WHITE	Y	YELLOW		

LEGEND

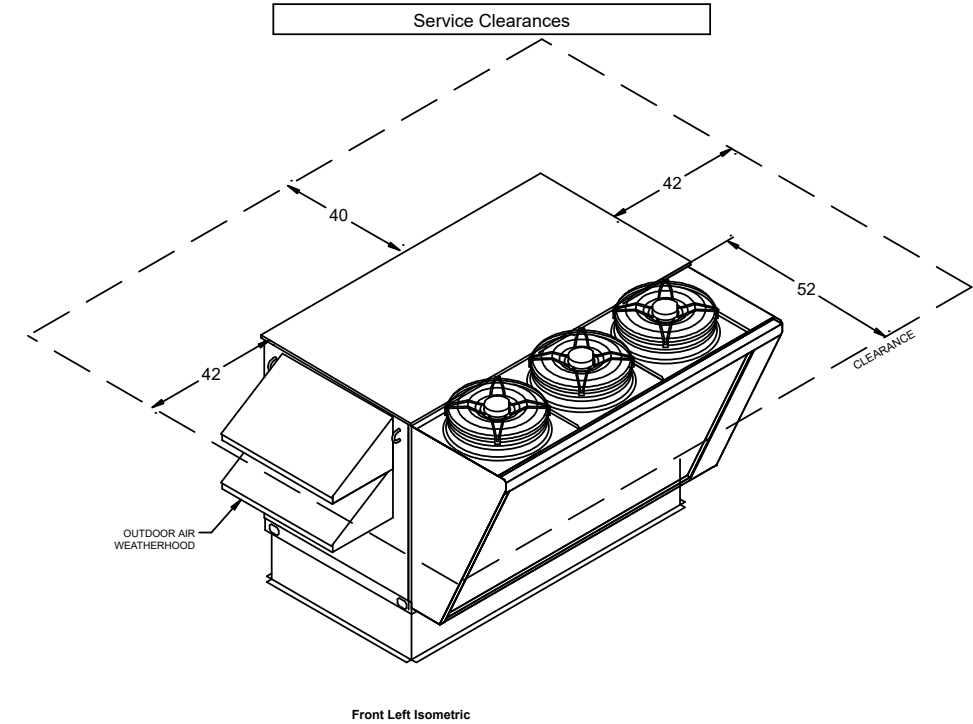
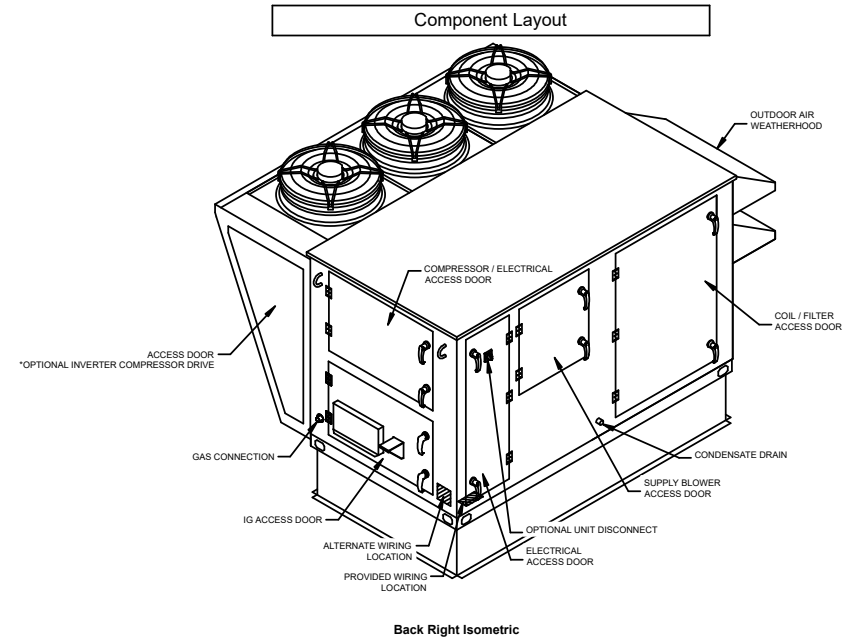
GM	COMBUSTION BLOWER MOTOR
FUSE	FUSE(S)
HLC	HIGH TEMPERATURE LIMIT CONTROL
IC1	IGNITION CONTROL
IR	INDUCTION RELAY
MV	MODULATING VALVE
MV	MAIN GAS VALVE
PS2	COMBUSTION AIR PROVING SWITCH
PS5	HIGH SPEED PRESSURE SWITCH
RS4	AIR ALARM LOCKOUT RELAY
SC1	REFERENCE MAIN UNIT CONTROL CENTER DIAGRAM FOR RELAY COIL WIRING
SC1	STAGE CONTROLLER
TR8	TRANSFORMER(S)



SENSORS
SAD: Supply air discharge temperature
OAI: Outdoor air intake temperature
CCT: Cooling coil temperature
OARH: Outdoor air intake relative humidity
ST: Space temperature
SRH: Space relative humidity
SDF: Supply air dirty filter

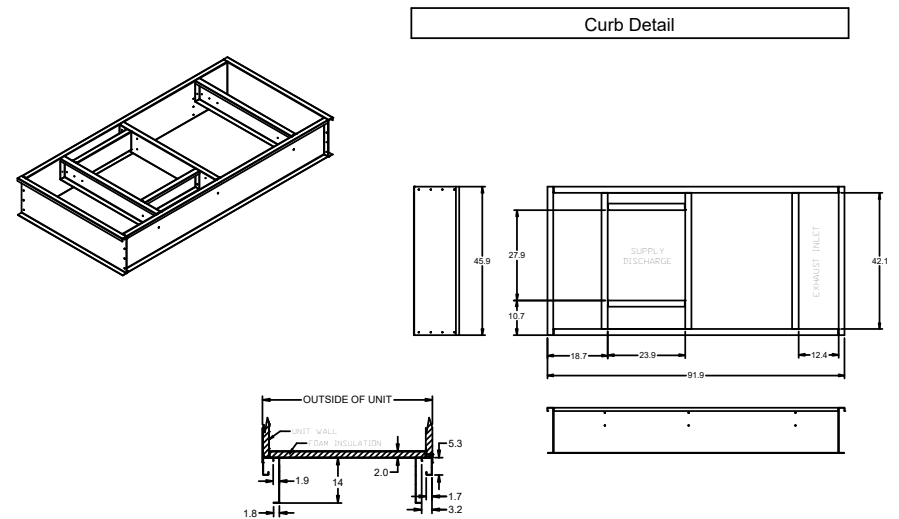
EQUIPMENT SCHEDULE

Packaged Ventilator															
Mark Name	Qty	Model	Mounting Location	Weight	Outdoor Air Volume	Recirc Air Volume	Economizer Outdoor Air Volume	Economizer Exhaust Air Volume							
RTU-2 (DOAS Kitchen)	1	XRV-25-15J-G-G2	Outdoor	2,426 lb	1,700 CFM	4,450 CFM	NA	NA							
Supply Fan				Electrical											
Supply Air Volume	Supply ESP	Supply TSP	FRPM	Supply BHP	Supply Motor	Voltage	Frequency	Phase	Unit MCA	Unit MOP					
6,150 CFM	0.75 in. wg	4.155 in. wg	2773	7.365	(1) 7-1/2 hp	208	60	3	102.3	150					
Cooling Section															
Coil Entering DB	Coil Entering WB	Coil Leaving DB	Coil Leaving WB	Nominal Tonnage	Total Capacity	Sensible Capacity	Coil Face Velocity	Coil Pressure Drop	Rows Deep	Fins per Inch	Compressor Type	Compressor Qty	AHRI 340/360 EER	AHRI 340/360 IEER	
77.8 F	66.3 F	55.2 F	55.2 F	15.0	204.6 MBH	142.0 MBH	463 ft/min	0.677 in. wg	6	14	Inverter Scroll	1	10.8	19.9	
Heating Section				Hot Gas Reheat											
Gas Type	Input	Output	EAT	Furnace Control	Temp Rise	Hot Gas Reheat Capacity	LAT								
Natural	200.0 MBH	162.0 MBH	46.6 F	70.9 F	4:1 Modulating	24.4 F	117.1 MBH	73.4 F							
NOTES															
Painted exterior with 2500 hr. salt spray rating. Double wall 2" R13 injected foam insulated cabinet. Single condenser fan shall not exceed a sound power level of 75 LWA. Compressors mounted on a shelf behind an insulated door for minimized radiated and transmitted sound. Direct-drive fans with factory mounted VFDs. Controller must have simplified access via a laptop to view and change unit operation, set points, alarm history & 1 week of trending data. Inverter scroll lead compressor with a 5 year warranty. EC motors on all condenser fans. Modulating gas furnace with 4:1 Modulating turndown and a 25 year HX warranty.							OPTIONS AND ACCESSORIES Weatherhood: Downturned Hood Supply Filters - 2" Pleated MERV 13, 2-20x20x2, 2-20x24x2 Outdoor Air Dampers - Motorized Low Leakage Recirc Dampers - Motorized Low Leakage Barometric Damper Painted Exterior - Concrete Gray (RAL 7023) Microprocessor Controls Supply Fan VFD Control - Single Zone VAV OAR/A Damper Controls - Constant Position-Adj, Setpoint Economizer Mode - Temp./Enthalpy OA RH Sensor Space Temp and RH - 1 Temp and RH Only Remote Display w/150' Cord Dirty Filter Sensor: Supply Phase and Brown Out Protection Branch Circuit Fusing 120v NEMA 3R Outlet (ships loose power by others) Unit Disconnect - Mounted By Factory Hall Guards Shipped Loose Smoke Detectors - Exhaust Condensate Overflow Switch Economizer Fault Detection Diagnostics Unit Warranty: 18 Months Standard Extended Compressor Warranty: 5 Yrs								



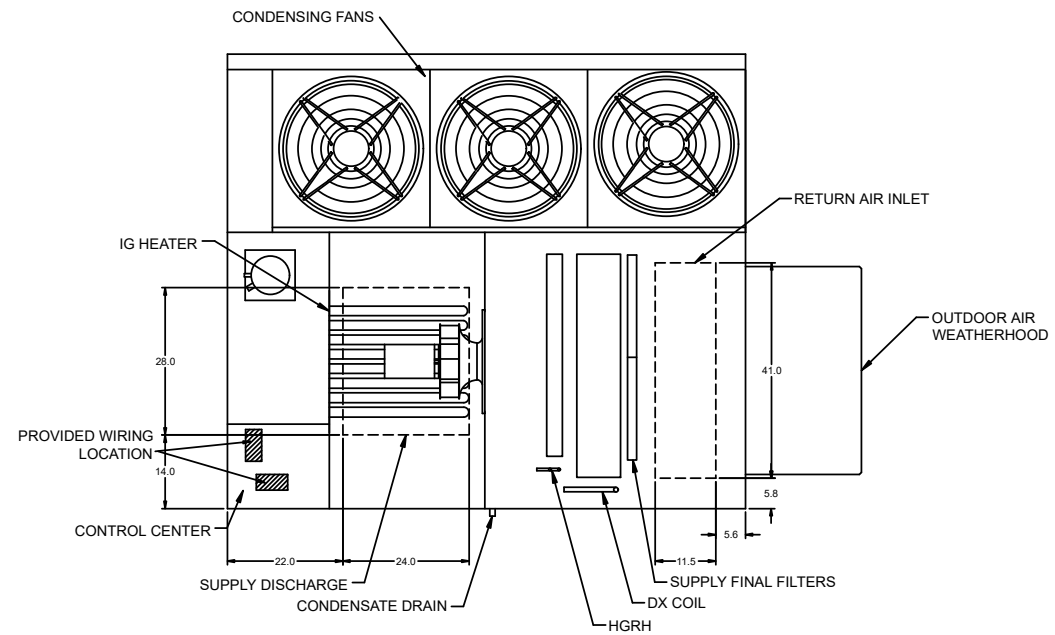
Curb Installation Instructions

1. Factory supplied roof curbs. Roof curbs are model GKD which ship in a knockdown kit (includes duct adapters) and require field assembly (by others) on all units except XRV-110 which are shipped assembled. Assembly instructions are included with the curb kit.
2. Install curb. Locate curb over roof opening and fasten in place. Check that the diagonal dimensions are within $\pm 1/8$ inch of each other and adjust as necessary. For proper coil drainage and unit operation, it is important that the installation be level. Shim the curb as required to level. Install gasketing on top surface of curb (provided by others).
3. Install ductwork. Installation of all ducts should be done in accordance with SMACNA and AMCA guidelines. Duct adapters are provided to support ducts prior to setting the unit.
4. Set the unit. Lift unit to a point directly above the curb and duct openings. Guide unit while lowering to align with duct openings. Roof curbs fit inside the unit base. Make sure the unit is properly seated on the curb and level.
5. Fasten the unit. Fasten the unit to the curb/equipment support(s) using the appropriate methods. The installer is responsible for determining appropriate support and fastening methods to ensure compliance with all applicable codes.
6. Install vestibule. If unit was ordered with a vestibule and it has not yet been attached to the unit, caulk and attach the vestibule at this time.

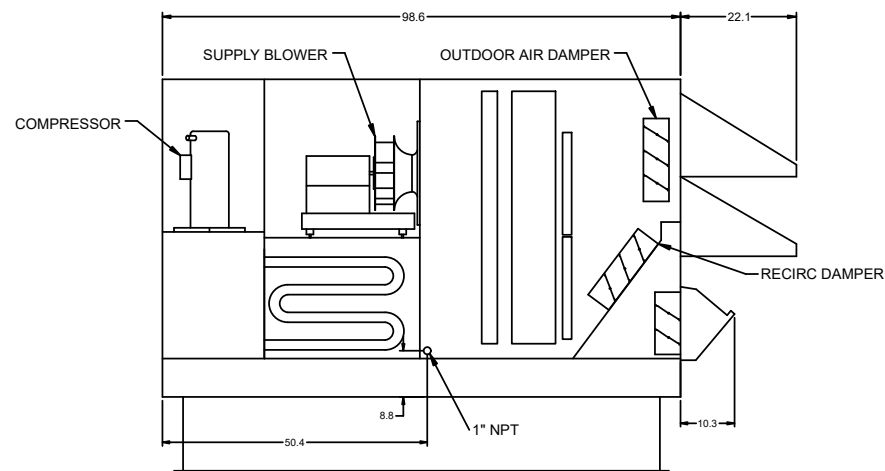


Curb Specifications						
Height (in)	Length (in)	Width (in)	Material	Finish Type	Duct Adapter	Weight (lb)
14	91.9	45.9	Galvanized	Galvanized	Yes	223

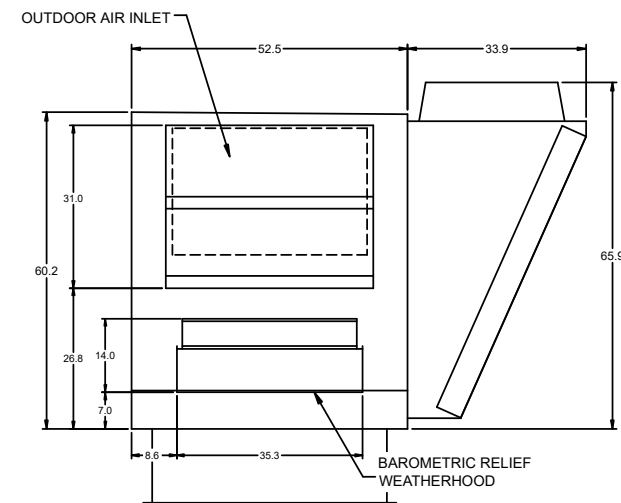
Dimensional Overview



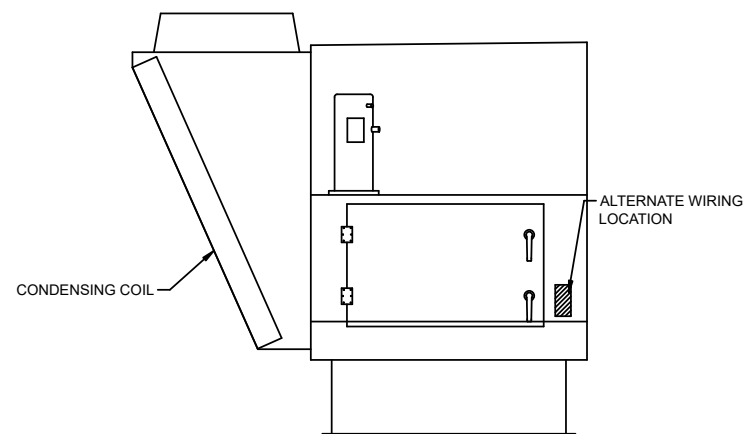
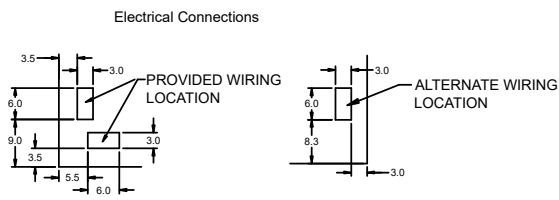
Plan



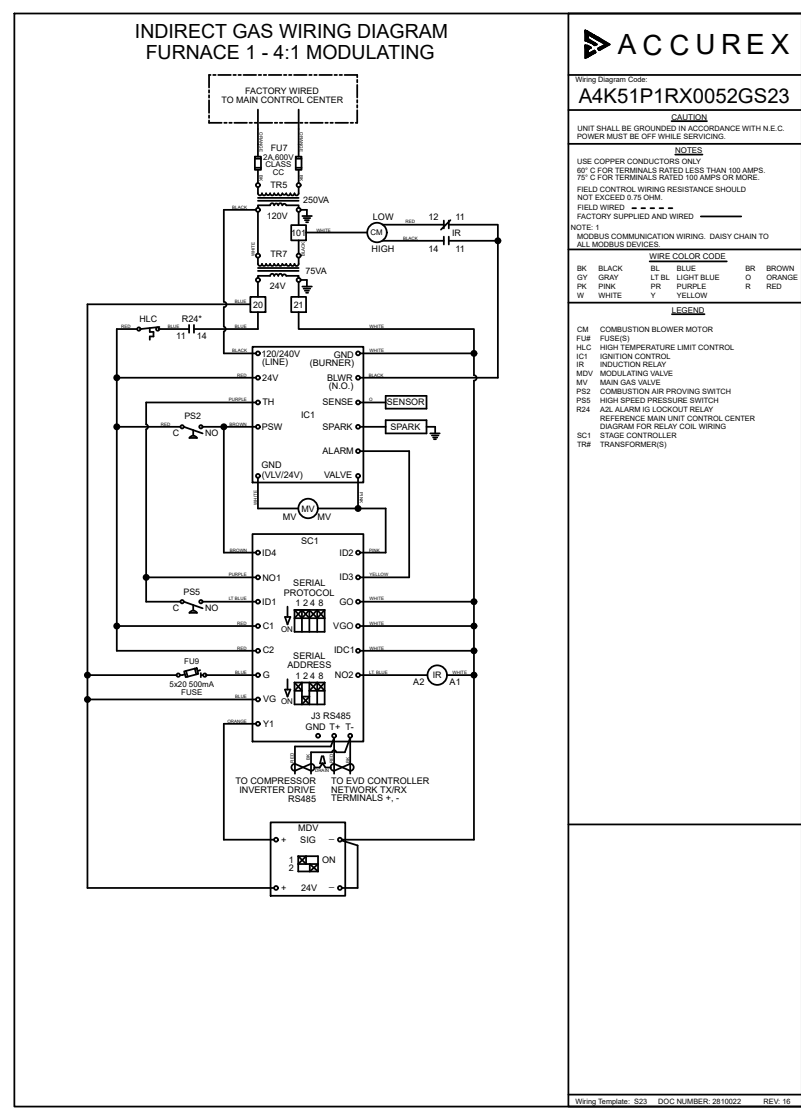
Elevation

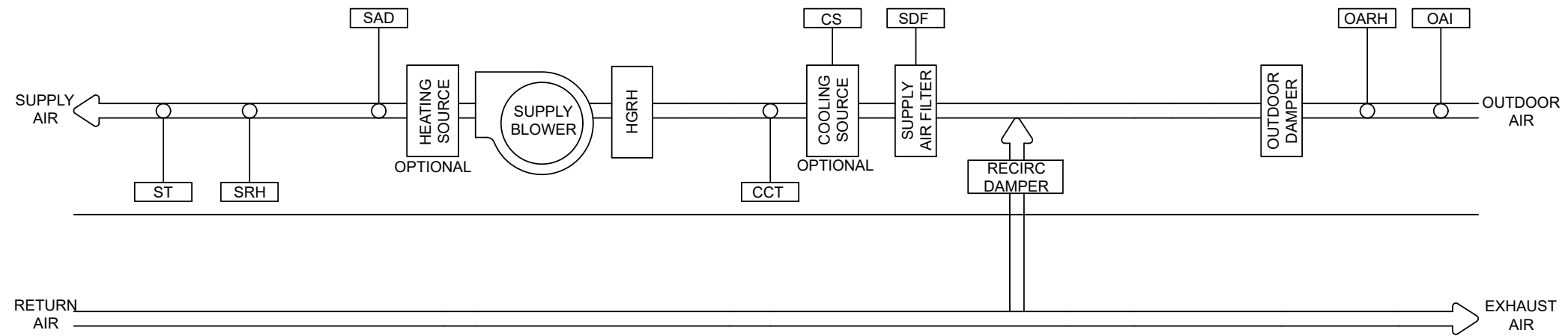


Right End



Left End





SENSORS	
SAD:	Supply air discharge temperature
OAI:	Outdoor air intake temperature
CCT:	Cooling coil temperature
OARH:	Outdoor air intake relative humidity
ST:	Space temperature
SRH:	Space relative humidity
SDF:	Supply air dirty filter