Job Name: _____

Purchaser: _____

Submitted to: _____

Unit designation: _____

Location: _____

Engineer: _____

Reference: _____ Approval _____ Construction

Schedule #: _____

General Information

- Compatible with R-32 VRF air, water, and mini-VRF systems.
- The indoor unit shall have a built-in Wi-Fi adapter as standard to allow control and monitoring using the Samsung SmartThings app.
- OAP Duct unit shall be within 50-100% of the outdoor unit's nominal capacity.
- If OAP Duct is connected to the same system with other types of indoor units, the OAP Duct capacity shall be 30% or less of the outdoor unit nominal capacity.

Construction

- The unit shall be constructed of galvanized steel with insulation.

Refrigerant System

- The heat exchanger shall be mechanically bonded aluminum fin to copper tube.
- Refrigerant flow shall be controlled by electronic expansion valve at the indoor unit.
- The indoor unit shall include an R-32 alarm output plug for simple notification or interlock of third-party equipment upon R-32 leak detection (VSTAT10P-1 accessory required).
- An internal bypass valve shall allow refrigerant to bypass the OAP duct coil while the unit is operating in Fan mode and the outdoor unit is operating in Heating mode.
- The unit shall include a discharge air temperature sensor with target discharge temperature control capability.

Indoor Fan

- Indoor fan shall be a twin, backward curved centrifugal type with a single fan motor.
- The OAP duct indoor unit shall supply the space with 100% fresh air.

Controls

- Control wiring shall be 2 X 16 AWG wire.
- The unit shall be operated via a wired remote controller model VSTAT04P-1, purchased separately.
- OAP Duct shall not share a wired controller with other types of indoor units.

External Heat Control

- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat (VSTAT10P-1 accessory required).
- External heat control configuration settings include outside ambient external heat lockout, outside ambient compressor lockout, and time delay options (VSTAT10P-1 accessory required).
- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating (VSTAT10P-1 accessory required).
- External heat control functionality allows for configuration of fan operation during auxiliary heat operation, defrost, and emergency heat.
- Emergency heat functionality allows the system to continue controlling the external heat source even when system errors prevent the heat pump from operating.

Convenience

- Emergency Temperature Output (ETO) function: when indoor unit is in error status or when room temperature exceeds configurable temperature level, the system outputs a signal to an external source, e.g., backup system, building management system, alert device (ex: status light, warning lamp, buzzer).

ETL LISTED
c ETL us
Intertek

AHRI CERTIFIED®
www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED®
www.ahridirectory.org
Variable Refrigerant Flow (VRF) Multi-Split AC and HP
AHRI Standard 1230

SPECIFICATIONS VOSD096S6-5P

Model	Indoor Unit Model Number		VOSD096S6-5P
Performance	Nominal Capacity	Cooling (Btu/h)	96,000
		Heating (Btu/h)	59,000
Power	Voltage	Φ / V / Hz	1 / 208-230 / 60
	Current Input	Cooling (A)	4.60
		Heating (A)	4.60
	MCA	A	6.25
	MOP	A	15
Fan	Type		BLDC with Sirocco Fan
	Motor Output	Watts	630
	External Static Pressure	Standard ("WC)	0.98
		Min. / Max. ("WC)	0.79 / 1.18
Airflow	Air Volume (L/M/H)	CFM	1,236
Refrigerant	Type		R-32
	A2L Leak Detection		Integral
Piping Connections	Refrigerant	High side (in.)	3/8
		Low side (in.)	7/8
	Condensate Drain	in.	OD 1 1/4, ID 1
Dimensions	W×H×D	in.	57 11/16 X 18 1/8 X 35 13/16
	Weight	lbs.	178.6
	Duct Connections (W X H)	Supply (in.)	50 9/16 X 14 3/16
		Return (ID, in.)	50 9/16 X 14 3/16
Sound Pressure Level	Low / Mid / High	dB(A)	47.0
Safety	Certifications		UL 60335-2-40

ACCESSORIES VOSD096S6-5P

Filter box		V1FBX07-4P
Wired controller	Advanced	VSTAT04P-1
	Touchscreen	VSTAT02P-1
Thermostat adapter (for connection to standard 24VAC thermostats)		VSTAT09P-1
Wireless signal control	Wireless signal receiver	VCTRL10P-1
	Wireless controller	VSTAT01P-1
External temperature sensor		VCTRL11P-1
External contact control interface module		VSTAT10P-1
CN83 Pigtail (for 12VDC VENT output)		JV DB39-01263A CN83 Pigtail
Condensate Pump		VDRP02HI

Unit: Inches
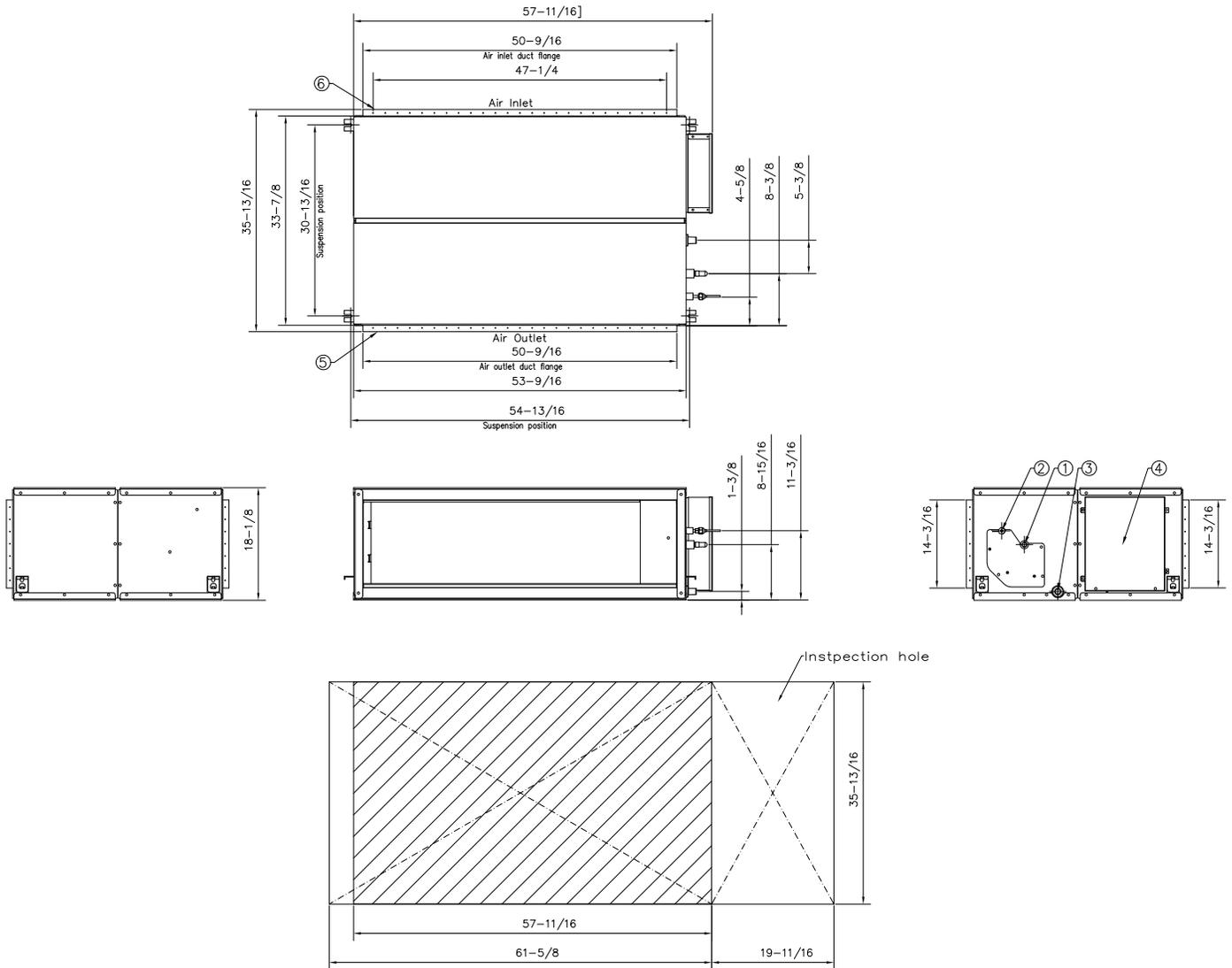
No	Description
1	Gas Pipe Connection (7/8)
2	Liquid Pipe Connection (3/8)
3	Drain Connection
4	Opening for Power and Communication Wire Conduit
5	Air Discharge Grill Flange
6	Return Air