

DOAS/RTU FAN SCHEDULE - JOB#7557100

FAN INFORMATION		ELECTRICAL INFORMATION										COOLING INFORMATION					REHEAT INFORMATION				GAS HEAT INFORMATION				AEL MINIMUM ROOM VOLUME			NOTES												
FAN UNIT NO	TAG	QTY	DDAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLTS	MCA	MOCF	OUTSIDE AIR DB	MIXED AIR DB	LEAVING AIR DB	DB	WB	DP	CAPACITY TOTAL	IEER	ISMRE2	DISCHARGE DB	WB	DESIRD		MAX	MOISTURE REMOVAL RATE	GAS TYPE	INPUT RTU	OUTPUT RTU	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT ²)	AIRFLOW (CFM)	HEIGHT (FT)		
1	DDAS-1	1	CAS-HVAC3-1200-15-1ST	CAPTIVEAIRE	1SP-3	0	1910	1910	2459	1.01	1.50	3	208	57.6A	60A	95.0°F	78.0°F	95.0°F	78.0°F	45.9°F	43.8°F	41.8°F	195.7 MBH	95.4 MBH	18.8	8.3	90.0°F	61.6°F	92.7 MBH	0.2 MBH	90.6 LBS/HR	NATURAL	200000	162000	74°F	7 IN. W.C. - 14 IN. W.C.	558	1004	7.2	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17

- NOTES:
- INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL.
 - DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE.
 - INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER.
 - REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE.
 - EC MOTOR CONDENSING FANS.
 - ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE.
 - SUCTION LINE ACCUMULATOR.
 - FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY. 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER.
 - AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT).
 - 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE.
 - BOX EFFICIENT FURNACE WITH MODULATING INJECTOR TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 16:1 TURNDOWN WITH NG AND 13:1 TURNDOWN WITH LP.
 - SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE.
 - FULLY MODULATING HOT GAS REHEAT.
 - 15 DEGREE LEW AMBIENT OPERATION.
 - HALL GUARD FOR CONDENSING COIL.
 - DOWN DISCHARGE/DOWN RETURN.
 - MINIMUM ROOM AREA ASSUMED 72" SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER.

CURB ASSEMBLIES

NO	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	DDAS-1	104 LBS	CURB	59.500"W X 91.000"L X 14.000"H INSULATED.

FAN OPTIONS

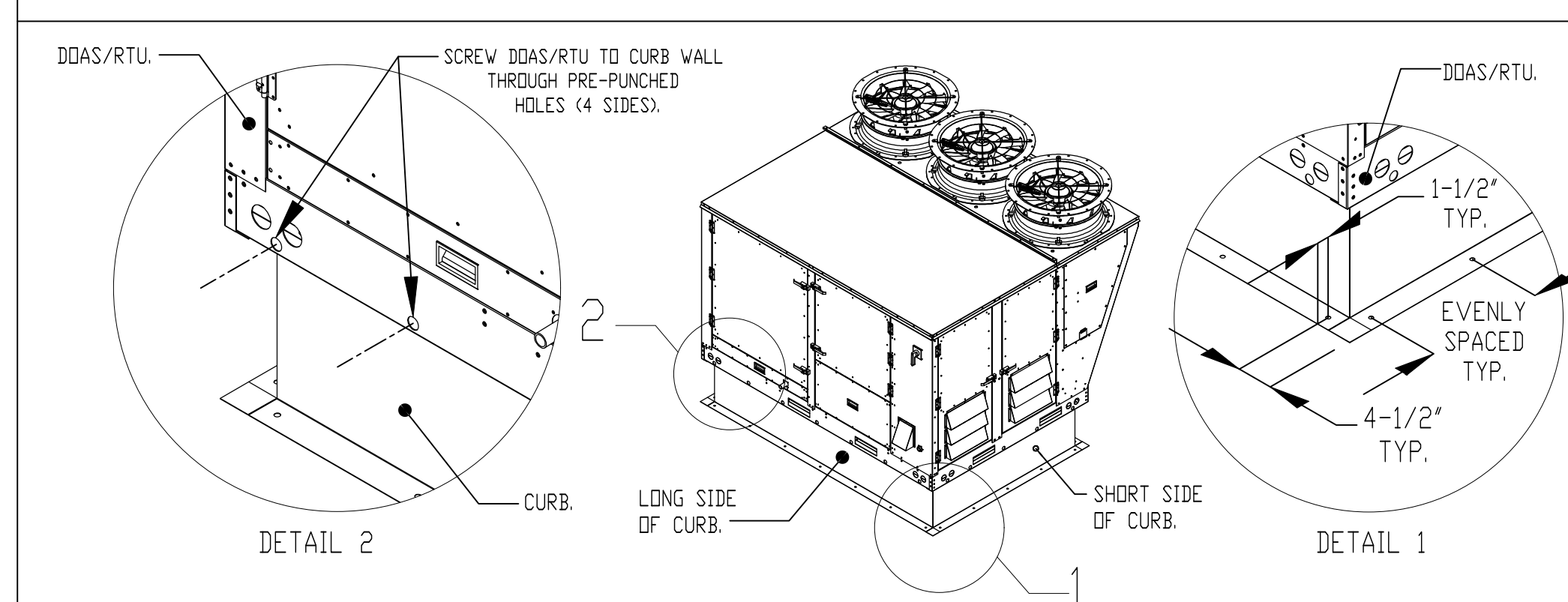
FAN UNIT NO	TAG	QTY	DESCRIPTION
1	DDAS-1	1	INLET PRESSURE GAUGE, 0-35"
1	DDAS-1	1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED, IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #08, #47, #49, OR #22 PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE.
1	DDAS-1	1	CONSTRUCTION MODE - MODIFIES START-UP SETTINGS TO ALLOW TEMPERING A BUILDING STILL UNDER CONSTRUCTION.
1	DDAS-1	1	RTU BLOWER DOOR SWITCH
1	DDAS-1	1	RTU3 DOWN DISCHARGE
1	DDAS-1	1	2" MERV 13 FILTERS FOR RTU3 (QTY. 4)
1	DDAS-1	1	2" MERV 8 FILTERS FOR RTU3 (QTY. 4)
1	DDAS-1	1	OVERHEAT STAT
1	DDAS-1	1	TOTAL CFM MONITORING
1	DDAS-1	1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
1	DDAS-1	1	15 TON MODULATING COOLING OPTION, 208/230V, R454B REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
1	DDAS-1	1	LOW AMBIENT COOLING OPERATION - DOWN TO OF AMBIENT
1	DDAS-1	1	R454B LEAK DETECTOR OPTION FOR RTU3
1	DDAS-1	1	RTU3 CURB BUILT HANGER
1	DDAS-1	1	24VAC FIRE INPUT
1	DDAS-1	1	2" METAL MESH FILTERS FOR RTU3 OUTDOOR INTAKE
1	DDAS-1	1	OCCUPIED SCHEDULING
1	DDAS-1	1	INTAKE FIRESTAT SET TO 135°F
1	DDAS-1	1	FREEZESTAT
1	DDAS-1	1	DISCHARGE FIRESTAT SET TO 240°F
1	DDAS-1	1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
1	DDAS-1	1	RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
1	DDAS-1	1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
1	DDAS-1	1	RTU3 HALL GUARD
1	DDAS-1	1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
1	DDAS-1	1	DDC MSTP BACNET REMOTE UNIT MONITORING
1	DDAS-1	1	COOLING OVERRIDE
1	DDAS-1	1	DUCT MOUNTED SMOKE DETECTOR - SHIPS LOOSE
1	DDAS-1	1	SHIP LOOSE GAS STRAINER 1"
1	DDAS-1	1	HIGH TURNDOWN OPTION FOR DDAS UNITS
1	DDAS-1	1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 2 FURNACES
1	DDAS-1	1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
1	DDAS-1	1	RTU3 DOWN RETURN
1	DDAS-1	1	LINE REACTOR MOUNTED IN FAN
1	DDAS-1	1	1BT ONLY REHEAT
1	DDAS-1	1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
1	DDAS-1	1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

HMI SCHEDULE

UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #1	#1 - UNIT	IN UNIT	NOT AVERAGED	55
FAN #1	#2 - SPACE		AVERAGED	56

TYPICAL DOAS/RTU ROOF MOUNTING INSTALLATION INSTRUCTIONS

- SECURE THE CURB TO THE ROOF FRAMING MEMBERS BY DRILLING 1/4" PILOT HOLES IN THE CURB FLANGES AT LOCATIONS SHOWN IN THE DIAGRAM BELOW. USING 3/8" X 2" ZINC PLATED STEEL LAG BOLTS, AND ZINC PLATED WASHERS, SCREW THROUGH THE CURB FLANGES AND INTO THE ROOF FRAMING MEMBERS. A MINIMUM OF (5) LAG BOLTS ON EACH SHORT SIDE, AND (7) LAG BOLTS ON EACH LONG SIDE IS REQUIRED.
- SECURE THE UNIT BASE TO THE SIDE WALLS OF THE CURB USING (24) 1/4"-14 X 2" SELF-DRILLING, STEEL ZINC PLATED SCREWS. PRE-PUNCHED HOLES HAVE BEEN PROVIDED FOR EACH SCREW LOCATION.

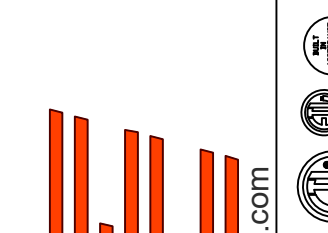


DOAS/RTU BACNet Points List - JOB#7557100

BACNET POINTS AVAILABLE FOR FAN #1 (DDAS-1)					BACNET POINTS AVAILABLE FOR FAN #1 (DDAS-1)				
BACNet Object	BACNet Type	BACNet ID	LIN SNVT Name	Function	BACNet Object	BACNet Type	BACNet ID	LIN SNVT Name	Function
DDCoolCommand	BV	1	nvDDCool	Control/Monitor	ReturnTemp	AI	147	nvoReturnTemp	Monitor Only
DDCoolCommand	BV	2	nvDDCool	Control/Monitor	DischargeTemp	AI	148	nvoDischargeTemp	Monitor Only
DDBlowerCommand	BV	3	nvDDBlow	Control/Monitor	IntakeTemp	AI	149	nvoIntakeTemp	Monitor Only
DDModulation	AV	4	nvDDModHeat	Control/Monitor	SpaceTemp	AI	150	nvoSpaceTemp	Monitor Only
DDCCoupledOverride	BV	5	nvDDCCoupled	Control/Monitor	HMI1Temp	AI	151	nvoHMI1Temp	Monitor Only
DischargeHeatDccSP	AV	12	nvDisHeatDccSP	Control/Monitor	SuctionLineTemp	AI	156	nvoSuctionLineTemp	Monitor Only
DischargeHeatUnoccSP	AV	13	nvDisHeatUnoccSP	Control/Monitor	LiquidLineTemp	AI	157	nvoLiquidLineTemp	Monitor Only
DischargeCoolDccSP	AV	22	nvDisCoolDccSP	Control/Monitor	EvapIndoorCoilTemp	AI	158	nvoEvapCoilTemp	Monitor Only
DischargeCoolUnoccSP	AV	23	nvDisCoolUnoccSP	Control/Monitor	CondOutdoorCoilTemp	AI	159	nvoCondCoilTemp	Monitor Only
FirestatIntakeSP	AV	28	nvFireIntakeSP	Control/Monitor	CompressorDischargeTemp	AI	160	nvoCompDisTemp	Monitor Only
FirestatDischargeSP	AV	29	nvFireDischSP	Control/Monitor	IntakeRrh	AI	161	nvoIntakeRrh	Monitor Only
FreezeStatSP	AV	30	nvFreezeSP	Control/Monitor	SpaceRrh	AI	162	nvoSpaceRrh	Monitor Only
DverheatDischargeSP	AV	31	nvDheatDisSP	Control/Monitor	OutdoorRrh	AI	163	nvoOutdoorRrh	Monitor Only
CabineHeatSP	AV	32	nvCabineHeatSP	Control/Monitor	DischargeRrh	AI	164	nvoDischargeRrh	Monitor Only
FurnaceDrainHeatSP	AV	33	nvFDrainHeatSP	Control/Monitor	ReturnRrh	AI	165	nvoReturnRrh	Monitor Only
DischargeRhdccSP	AV	38	nvDisRhdccSP	Control/Monitor	SuctionLinePs	AI	166	nvoSuctionLinePs	Monitor Only
DischargeRhuoccSP	AV	39	nvDisRhuoccSP	Control/Monitor	DischargeLinePs	AI	167	nvoDischargeLinePs	Monitor Only
DischargeDccSP	AV	44	nvDisDccSP	Control/Monitor	LiquidLinePs	AI	168	nvoLiquidLinePs	Monitor Only
DischargeDpuoccSP	AV	45	nvDisDpuoccSP	Control/Monitor	HMI1Rrh	AI	169	nvoHMI1Rrh	Monitor Only
ScheduleSundayASstart	AV	46	nvSundayASstart	Control/Monitor	CondFanPwrRate	AI	176	nvoCondFanPwrRate	Monitor Only
ScheduleSundayAEnd	AV	47	nvSundayAEnd	Control/Monitor	CondFanPwrRate	AI	177	nvoCondFanPwrRate	Monitor Only
ScheduleSundayBSstart	AV	48	nvSundayBSstart	Control/Monitor	ModuleGasValveOutput	AI	178	nvoModuleGasValveOutput	Monitor Only
ScheduleSundayBEnd	AV	49	nvSundayBEnd	Control/Monitor	AdjustableDampOutput	AI	180	nvoAdjustableDampOutput	Monitor Only
ScheduleSundayCSstart	AV	50	nvSundayCSstart	Control/Monitor	DiBoosActiveFlag	BI	182	nvoDiBoosActiveFlag	Monitor Only
ScheduleSundayCEnd	AV	51	nvSundayCEnd	Control/Monitor	ReheatActiveFlag	BI	183	nvoReheatActiveFlag	Monitor Only
ScheduleMondayASstart	AV	52	nvMondayASstart	Control/Monitor	DefrostActiveFlag	BI	184	nvoDefrostActiveFlag	Monitor Only
ScheduleMondayAEnd	AV	53	nvMondayAEnd	Control/Monitor	PumpdownFFActiveFlag	BI	185	nvoPumpdownFFActiveFlag	Monitor Only
ScheduleMondayBSstart	AV	54	nvMondayBSstart	Control/Monitor	PumpdownDActiveFlag	BI	186	nvoPumpdownDActiveFlag	Monitor Only
ScheduleMondayBEnd	AV	55	nvMondayBEnd	Control/Monitor	ReheatValvePosition	AI	187	nvoReheatValvePos	Monitor Only
ScheduleMondayCSstart	AV	56	nvMondayCSstart	Control/Monitor	EevValvePosition	AI	188	nvoEevValvePos	Monitor Only
ScheduleMondayCEnd	AV	57	nvMondayCEnd	Control/Monitor	IntakeDpActual	AI	189	nvoIntakeDpActual	Monitor Only
ScheduleTuesdayASstart	AV	58	nvTuesdayASstart	Control/Monitor	SpaceDpActual	AI	190	nvoSpaceDpActual	Monitor Only
ScheduleTuesdayAEnd	AV	59	nvTuesdayAEnd	Control/Monitor	CompressorPower	AI	191	nvoCompPower	Monitor Only
ScheduleTuesdayBSstart	AV	60	nvTuesdayBSstart	Control/Monitor	CompressorFrequency	AI	192	nvoCompFreq	Monitor Only
ScheduleTuesdayBEnd	AV	61	nvTuesdayBEnd	Control/Monitor	CompressorCurrent	AI	193	nvoCompAmps	Monitor Only
ScheduleTuesdayCSstart	AV	62	nvTuesdayCSstart	Control/Monitor	Subcool	AI	208	nvoSubcool	Monitor Only
ScheduleTuesdayCEnd	AV	63	nvTuesdayCEnd	Control/Monitor	Superheat	AI	209	nvoSuperheat	Monitor Only
ScheduleWednesdayASstart	AV	64	nvWedASstart	Control/Monitor	ActiveFault1	AI	210	nvoActiveFault1	Monitor Only
ScheduleWednesdayAEnd	AV	65	nvWedAEnd	Control/Monitor	ActiveFault2	AI	211	nvoActiveFault2	Monitor Only
ScheduleWednesdayBSstart	AV	66	nvWedBSstart	Control/Monitor	ActiveFault3	AI	212	nvoActiveFault3	Monitor Only
ScheduleWednesdayBEnd	AV	67	nvWedBEnd	Control/Monitor	ActiveFault4	AI	213	nvoActiveFault4	Monitor Only
ScheduleWednesdayCSstart	AV	68	nvWedCSstart	Control/Monitor	ActiveFault5	AI	214	nvoActiveFault5	Monitor Only
ScheduleWednesdayCEnd	AV	69	nvWedCEnd	Control/Monitor	ActiveFault6	AI	215	nvoActiveFault6	Monitor Only
ScheduleThursdayASstart	AV	70	nvThursASstart	Control/Monitor	ScheduleScheduleFlag	BV	216	nvoScheduleScheduleFlag	Control/Monitor
ScheduleThursdayAEnd	AV	71	nvThursAEnd	Control/Monitor	HeatTemperModeDcc	AV	217	nvoHeatTemperModeDcc	Control/Monitor
ScheduleThursdayBSstart	AV	72	nvThursBSstart	Control/Monitor	HeatTemperModeUnocc	AV	218	nvoHeatTemperModeUnocc	Control/Monitor
ScheduleThursdayBEnd	AV	73	nvThursBEnd	Control/Monitor	CoolTemperModeDcc	AV	219	nvoCoolTemperModeDcc	Control/Monitor
ScheduleThursdayCSstart	AV	74	nvThursCSstart	Control/Monitor	CoolTemperModeUnocc	AV	220	nvoCoolTemperModeUnocc	Control/Monitor
ScheduleThursdayCEnd	AV	75	nvThursCEnd	Control/Monitor	ActivateDcc	AV	221	nvoActivateDcc	Control/Monitor
ScheduleFridayASstart	AV	76	nvFriASstart	Control/Monitor	ActivateUnocc	AV	222	nvoActivateUnocc	Control/Monitor
ScheduleFridayAEnd	AV	77	nvFriAEnd	Control/Monitor	BlowerModeDcc	AV	223	nvoBlowerModeDcc	Control/Monitor
ScheduleFridayBSstart	AV	78	nvFriBSstart	Control/Monitor	BlowerModeUnocc	AV	224	nvoBlowerModeUnocc	Control/Monitor
ScheduleFridayBEnd	AV	79	nvFriBEnd	Control/Monitor	MixingBoxMode	AV	225	nvoMixingBoxMode	Control/Monitor
ScheduleFridayCSstart	AV	80	nvFriCSstart	Control/Monitor	Reheat DP Adj Dcc	AV	226	nvoReheatDPAdjDcc	Control/Monitor
ScheduleFridayCEnd	AV	81	nvFriCEnd	Control/Monitor	Reheat DP Adj Unocc	AV	227	nvoReheatDPAdjUnocc	Control/Monitor
ScheduleSaturdayASstart	AV	82	nvSatASstart	Control/Monitor	BlowerVfDmFReqDcc	AV	228	nvoBlowerVfDmFReqDcc	Control/Monitor
ScheduleSaturdayAEnd	AV	83	nvSatAEnd	Control/Monitor	BlowerVfDmFReqUnocc	AV	229	nvoBlowerVfDmFReqUnocc	Control/Monitor
ScheduleSaturdayBSstart	AV	84	nvSatBSstart	Control/Monitor	BlowerVfDmxFReqDcc	AV	230	nvoBlowerVfDmxFReqDcc	Control/Monitor
ScheduleSaturdayBEnd	AV	85	nvSatBEnd	Control/Monitor	BlowerVfDmxFReqUnocc	AV	231	nvoBlowerVfDmxFReqUnocc	Control/Monitor
ScheduleSaturdayCSstart	AV	86	nvSatCSstart	Control/Monitor	MixingBoxMnDAPercentDcc	AV	236	nvoMixingBoxMnDAPercentDcc	Control/Monitor
ScheduleSaturdayCEnd	AV	87	nvSatCEnd	Control/Monitor	MixingBoxMnDAPercentUnocc	AV	237	nvoMixingBoxMnDAPercentUnocc	Control/Monitor
BlowerManualFreqDcc	AV	88	nvBlowMnFReqDcc	Control/Monitor	MixingBoxMnDAPercentDcc	AV	238	nvoMixingBoxMnDAPercentDcc	Control/Monitor
BlowerManualFreqUnocc	AV	89	nvBlowMnFReqUnocc	Control/Monitor	MixingBoxMnDAPercentUnocc	AV	239	nvoMixingBoxMnDAPercentUnocc	Control/Monitor
MixingBoxManualVoltsDcc	AV	102	nvMixBoxMnVoltsDcc	Control/Monitor	MixingBoxMnVoltsDcc	AV	240	nvoMixingBoxMnVoltsDcc	Control/Monitor
MixingBoxManualVoltsUnocc	AV	103	nvMixBoxMnVoltsUnocc	Control/Monitor	MixingBoxMnVoltsUnocc	AV	241	nvoMixingBoxMnVoltsUnocc	Control/Monitor
MixingBoxMaxVoltsDcc	AV	128	nvDynSpDcc	Control/Monitor	MixingBoxMaxVoltsDcc	AV	242	nvoMixingBoxMaxVoltsDcc	Control/Monitor
MixingBoxMaxVoltsUnocc	AV	129	nvDynSpUnocc	Control/Monitor	MixingBoxMaxVoltsUnocc	AV	243	nvoMixingBoxMaxVoltsUnocc	Control/Monitor
DynamicSpOffset	AV	121	nvDynSpOffset	Control/Monitor	MixingBoxMaxVoltsUnocc	AV	243	nvoMixingBoxMaxVoltsUnocc	Control/Monitor
DynamicSpHeatDa	AV	122	nvDynSpHeatDa	Control/Monitor	CFMReading	AI	244	nvoCFMReading	Read Only
DynamicSpCoolDa	AV	123	nvDynSpCoolDa	Control/Monitor	StaticPressure	AI	245	nvoStaticPress	Read Only
UnitStatus	AI	139	nvoCurrentSts	Monitor Only	UnitStatus	AI	139	nvoCurrentSts	Monitor Only
CurrentDccStatus	AI	140	nvoDccStatus	Monitor Only	CurrentDccStatus	AI	140	nvoDccStatus	Monitor Only
AverageSpaceTemp	AI	141	nvoAvgSpaceTemp	Monitor Only	AverageSpaceTemp	AI	141	nvoAvgSpaceTemp	Monitor Only
BlowerFrequency	AI	142	nvoBlowVfDReq	Monitor Only	BlowerFrequency	AI	142	nvoBlowVfDReq	Monitor Only
BlowerCurrent	AI	143	nvoBlowVfDamps	Monitor Only	BlowerCurrent	AI	143	nvoBlowVfDamps	Monitor Only
BlowerPower	AI	144	nvoBlowVfDpower	Monitor Only	BlowerPower	AI	144	nvoBlowVfDpower	Monitor Only
AverageRrh	AI	145	nvoAvgRrh	Monitor Only	AverageRrh	AI	145	nvoAvgRrh	Monitor Only
OutdoorTemp	AI	146	nvoOutdoorTemp	Monitor Only	OutdoorTemp	AI	146	nvoOutdoorTemp	Monitor Only

REVISIONS

NO	DESCRIPTION	DATE



www.captiveaire.com
www.captiveaire.com

Air Solutions

1328 East Kemper Rd., Ste. 4210, Cincinnati, OH 45246
PHONE: (513) 860-5555
EMAIL: reg1210@captiveaire.com

7511 Taggart Lane,
Knoxville, TN, 37938

Heartland Apothecary

DATE: 5/30/2025

DWG.#: 7557100

DRAWN BY: michael.co

SCALE: 1/2" = 1'-0"

MASTER DRAWING

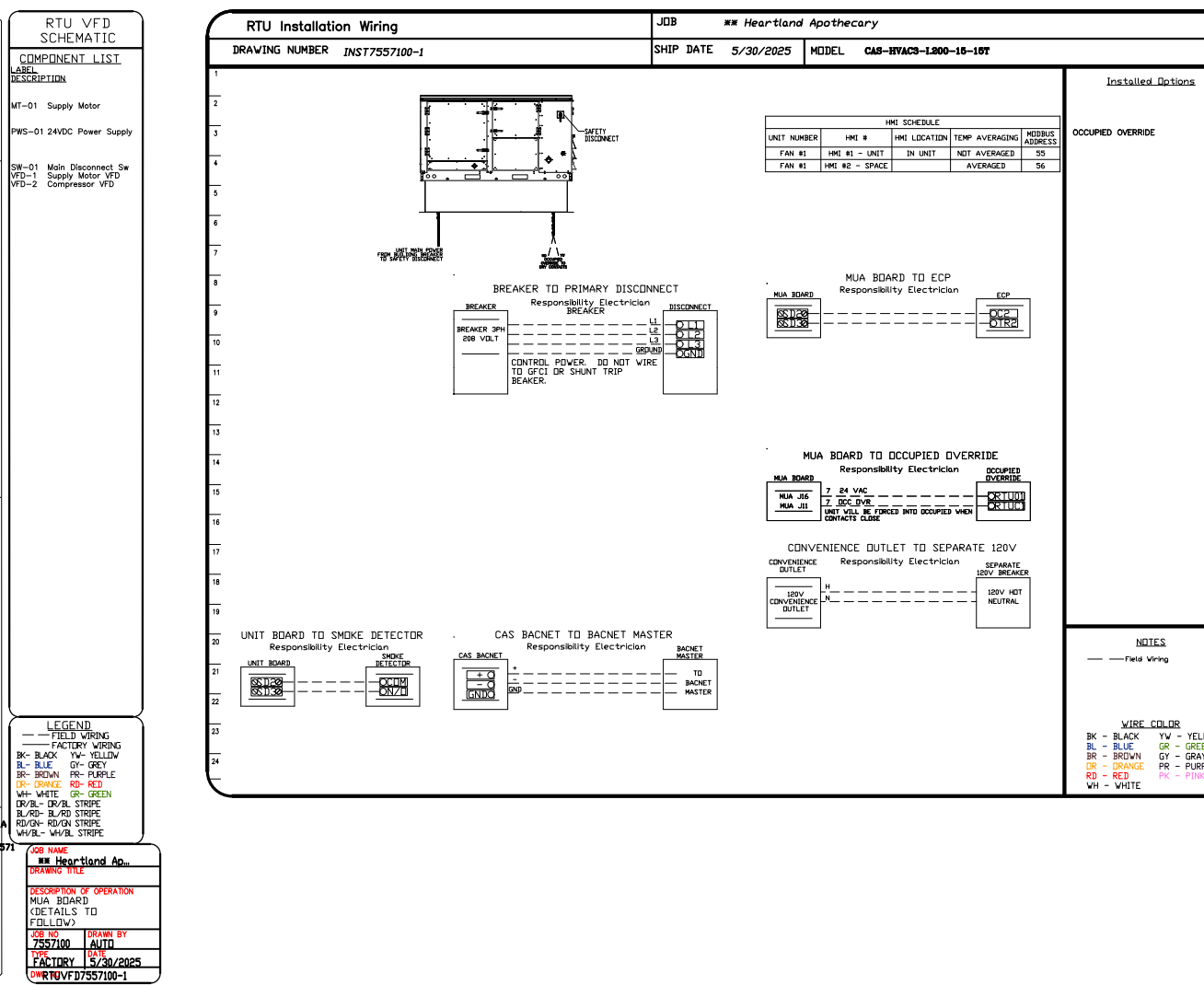
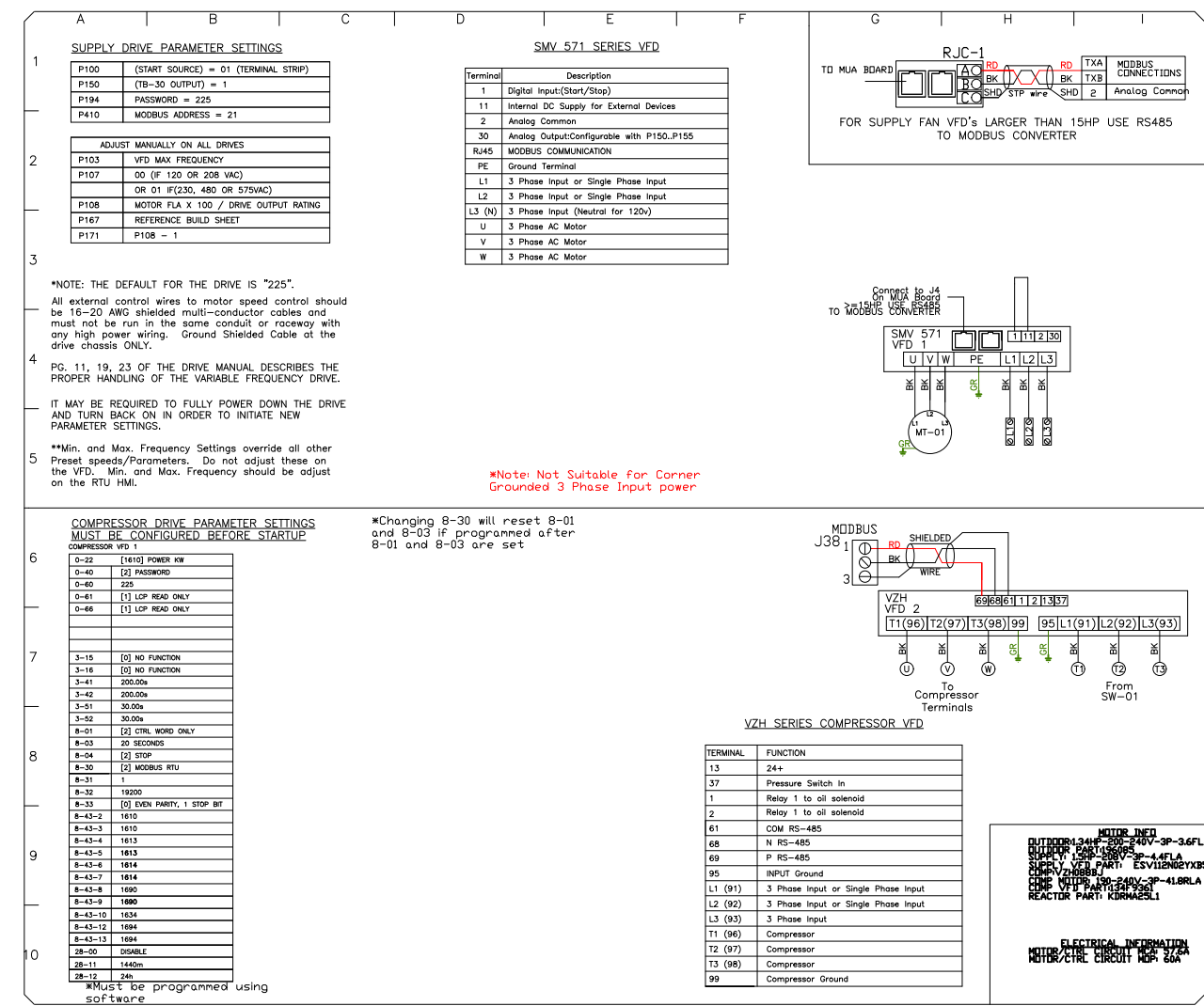
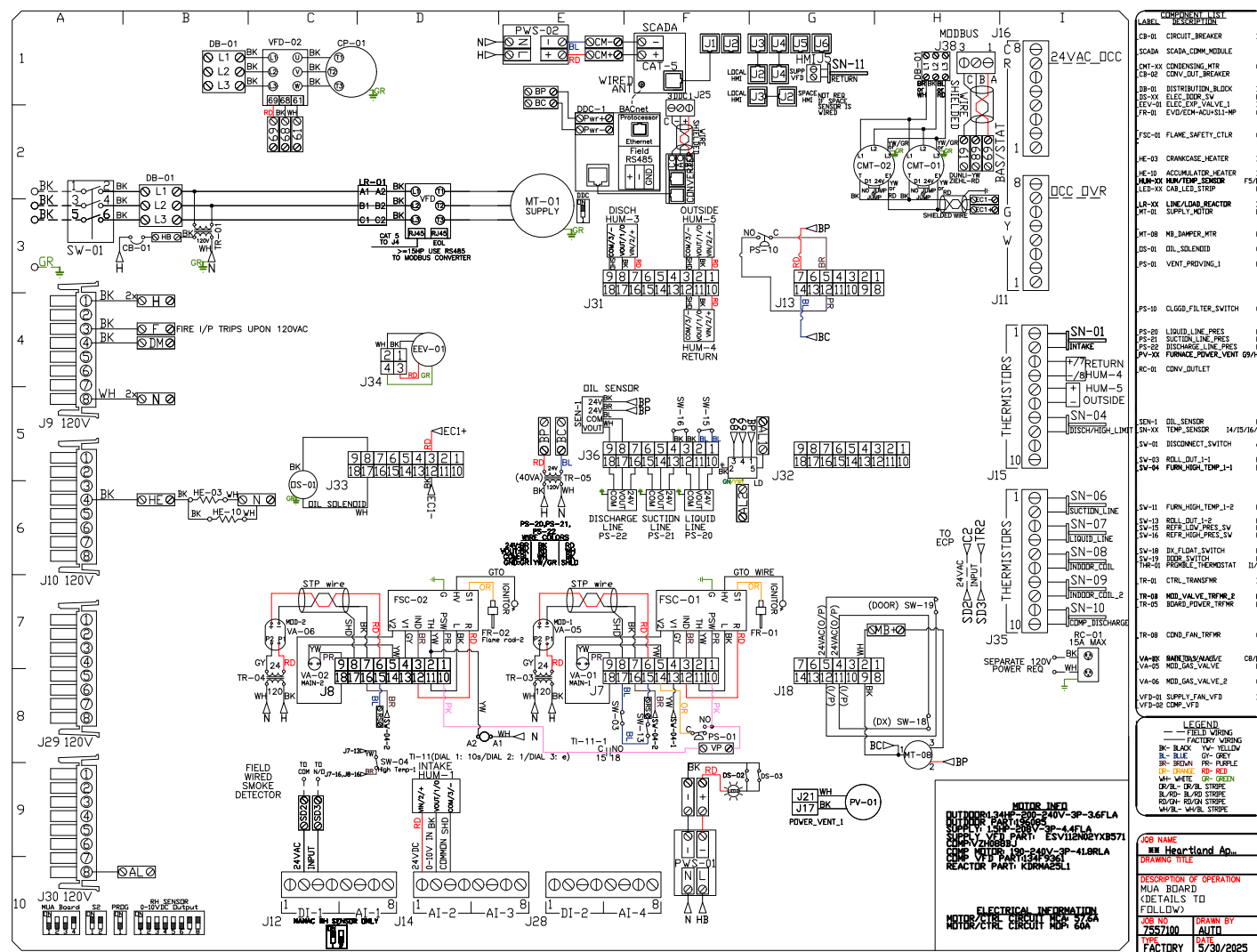
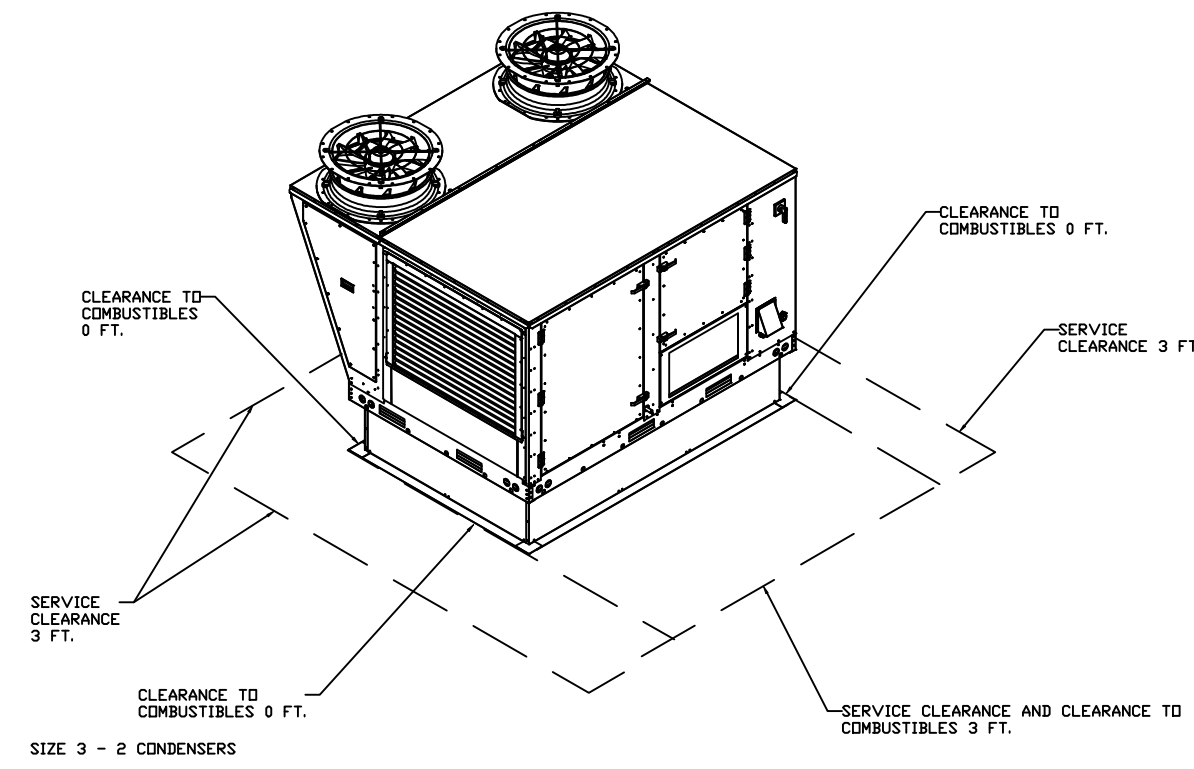
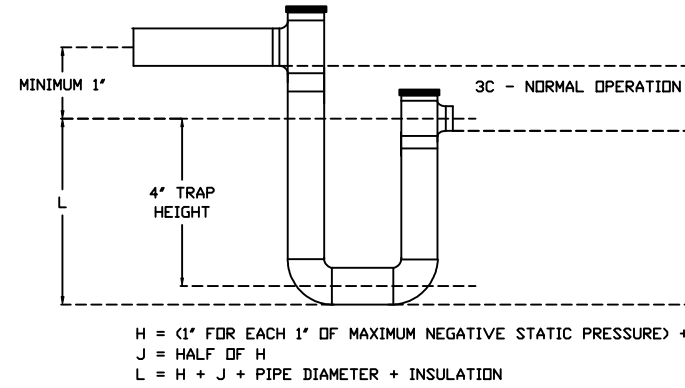
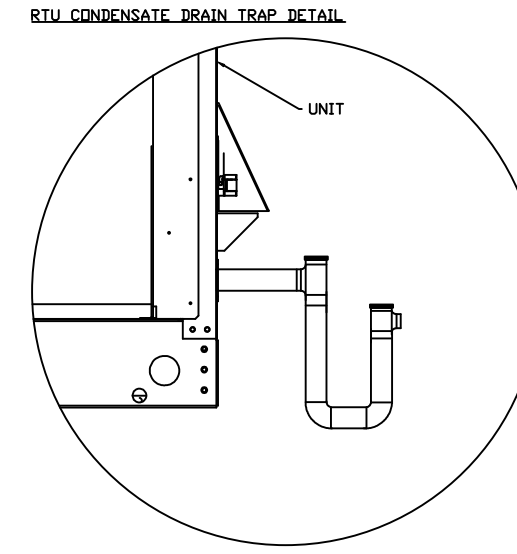
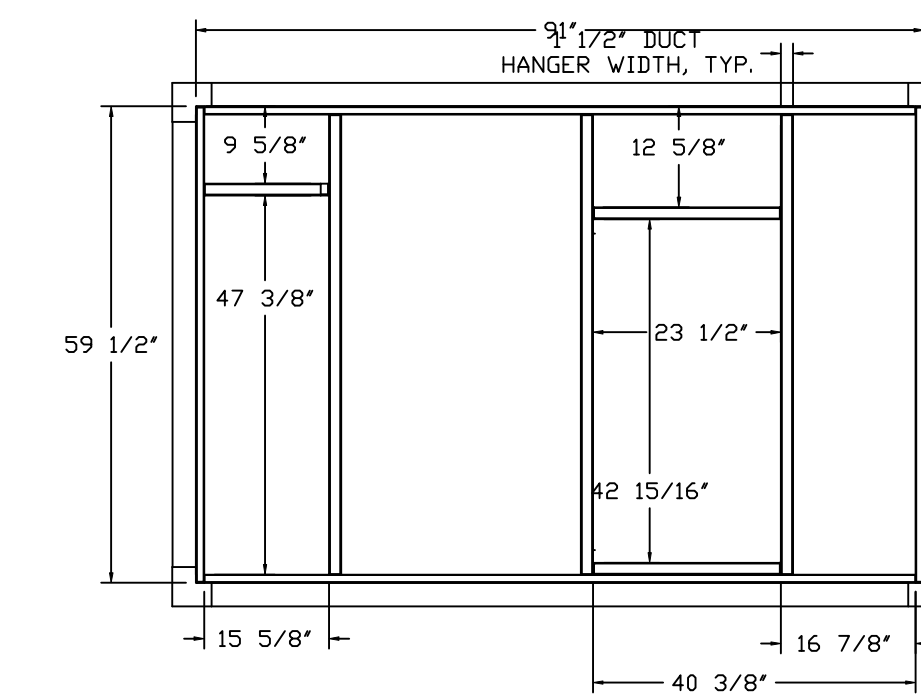
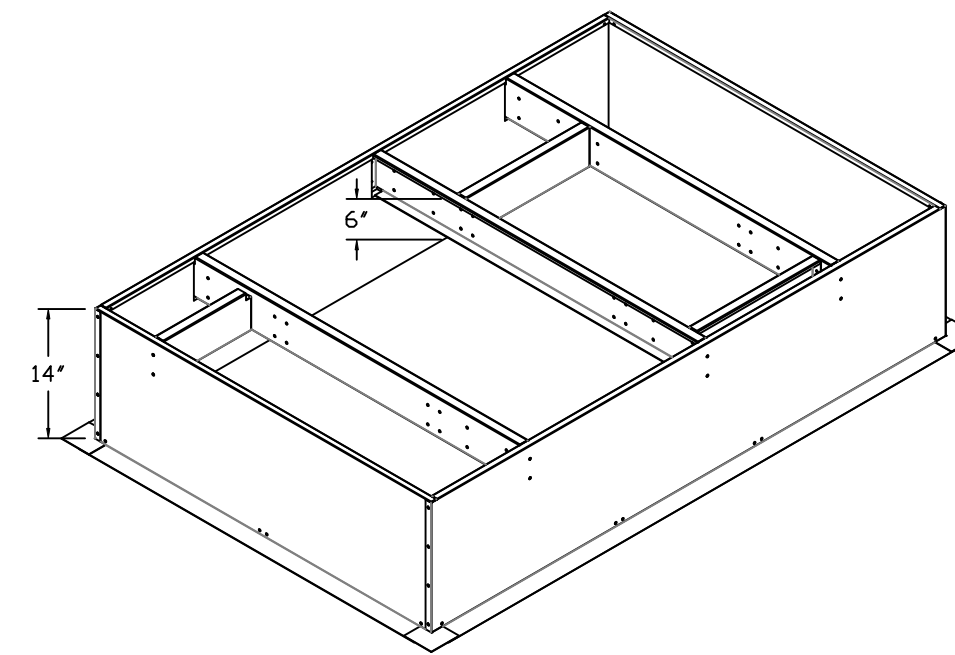
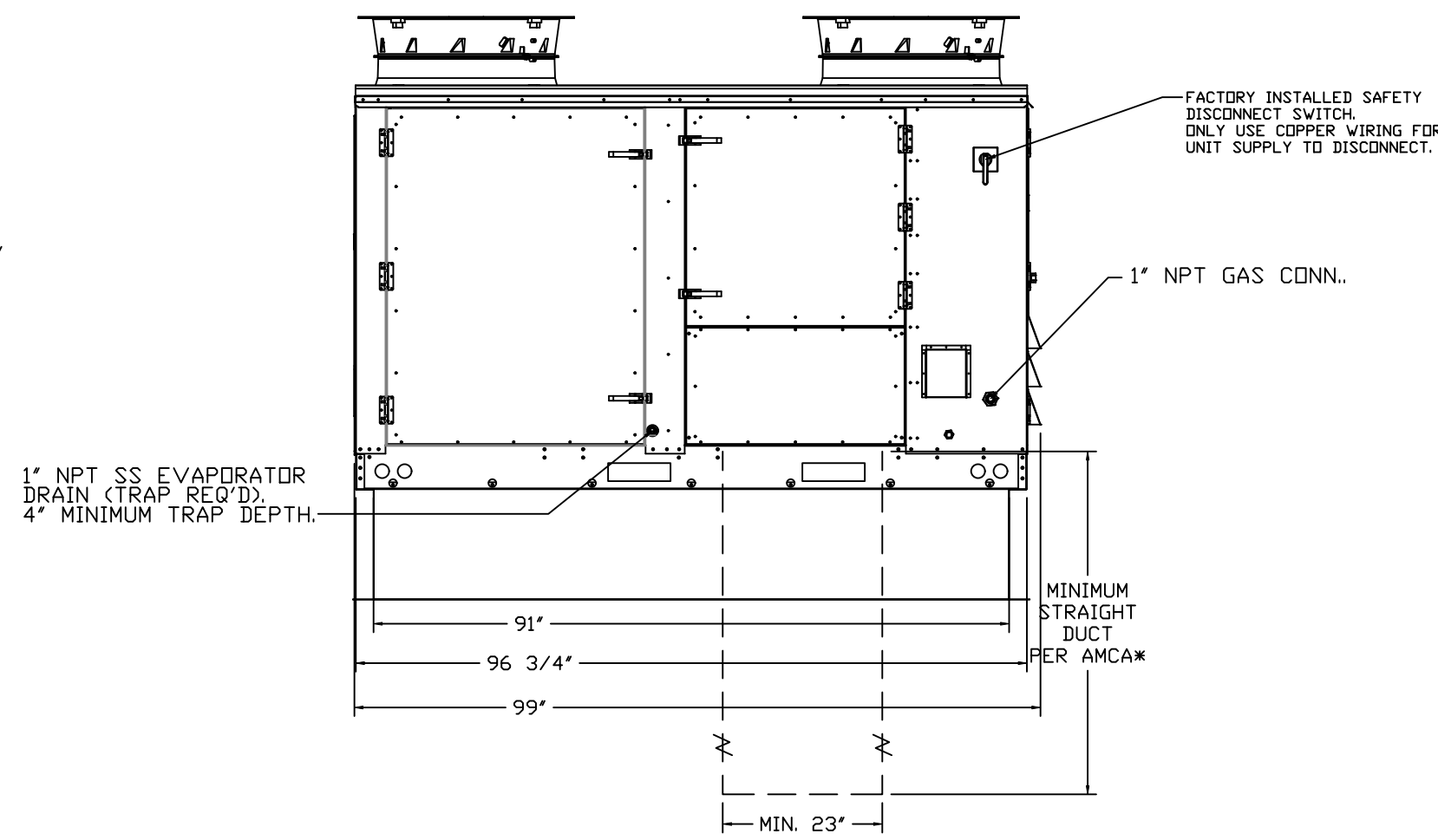
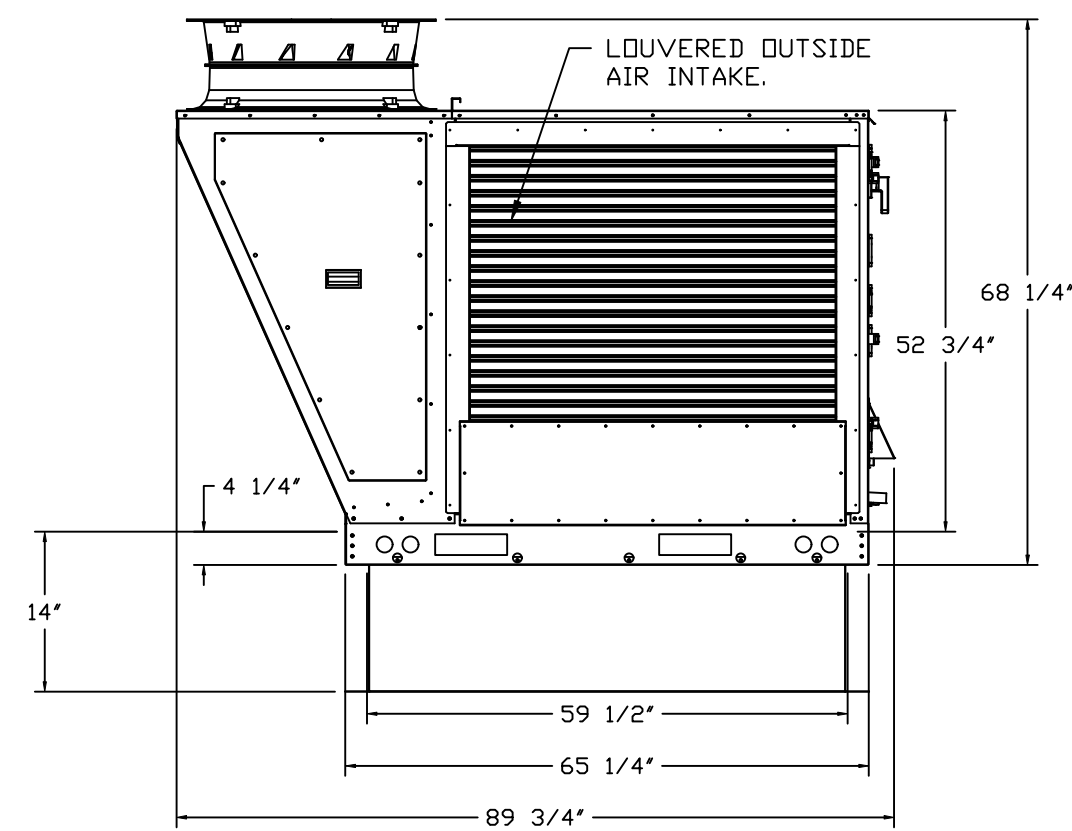
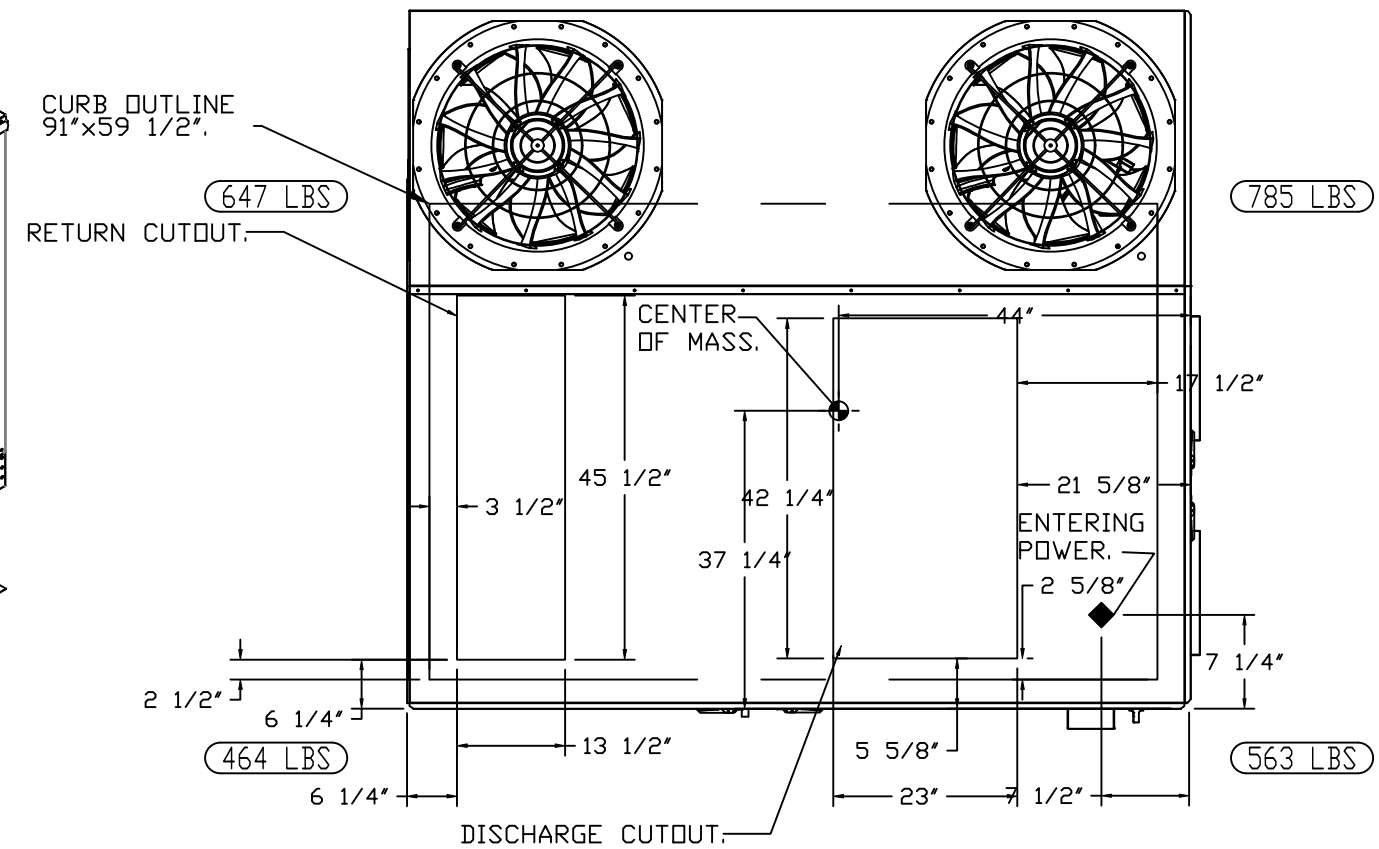
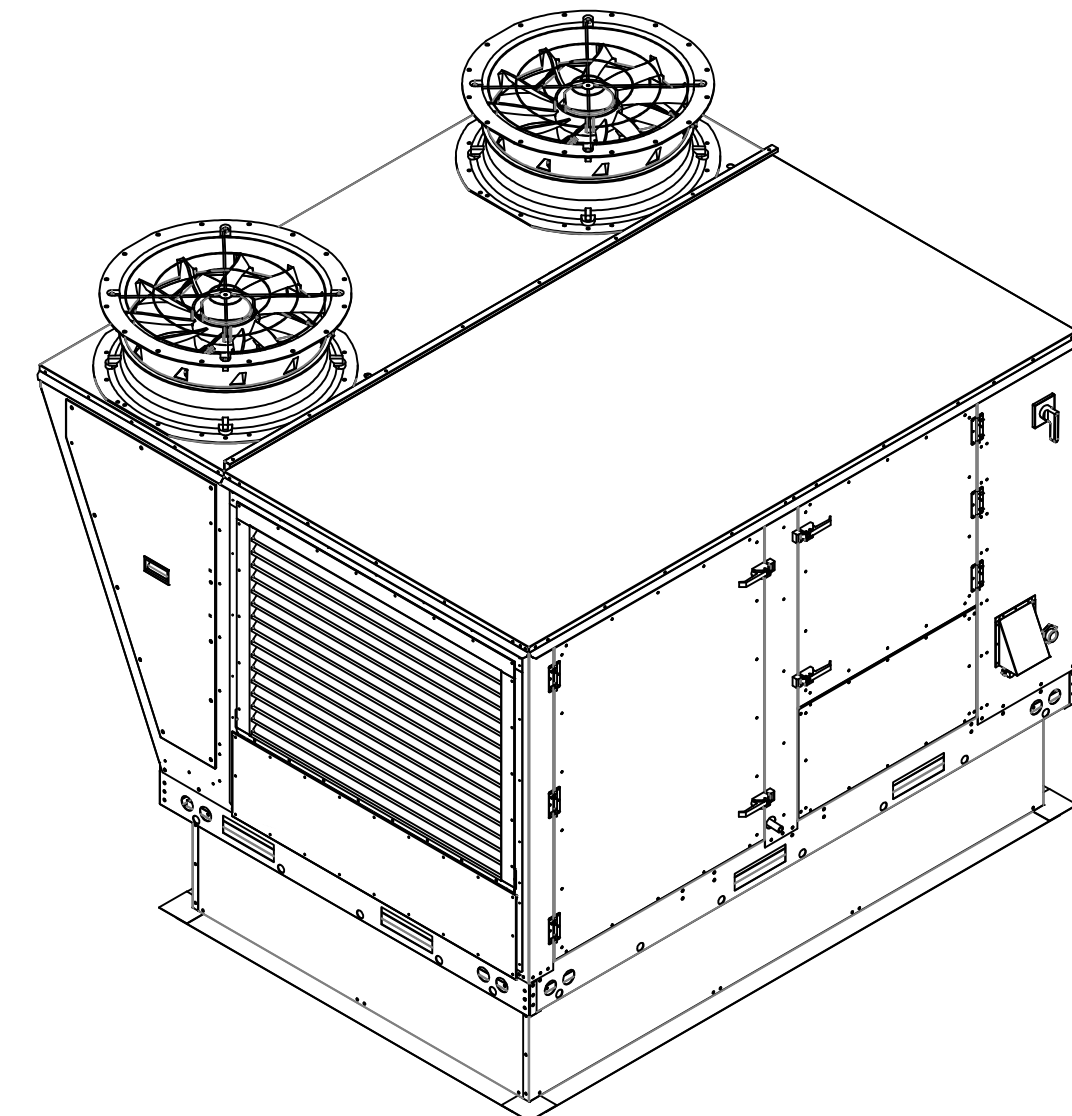
SHEET NO. 1

FAN #1 CAS-HVAC3-I,200-15-15T - HEATER (DOAS-1)

NOTES:

- DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
- DENOTES CORNER WEIGHT.
- ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
- CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
- EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED STRAIGHT DUCT SIZE IS 23" x 39".



REVISIONS

DESCRIPTION	DATE

CAPTIVE

Air Solutions

www.captiveair.com

1329 East Kemper Rd., Ste. 4210, Cincinnati, OH 45246 PHONE: (513) 860-5565 EMAIL: reg120@captiveair.com

Heartland Apothecary
7511 Taggart Lane,
Knoxville, TN, 37938

DATE: 5/30/2025

DWG.#: 7557100

DRAWN BY: michael.co

SCALE: 1/2" = 1'-0"

MASTER DRAWING

SHEET NO. 2