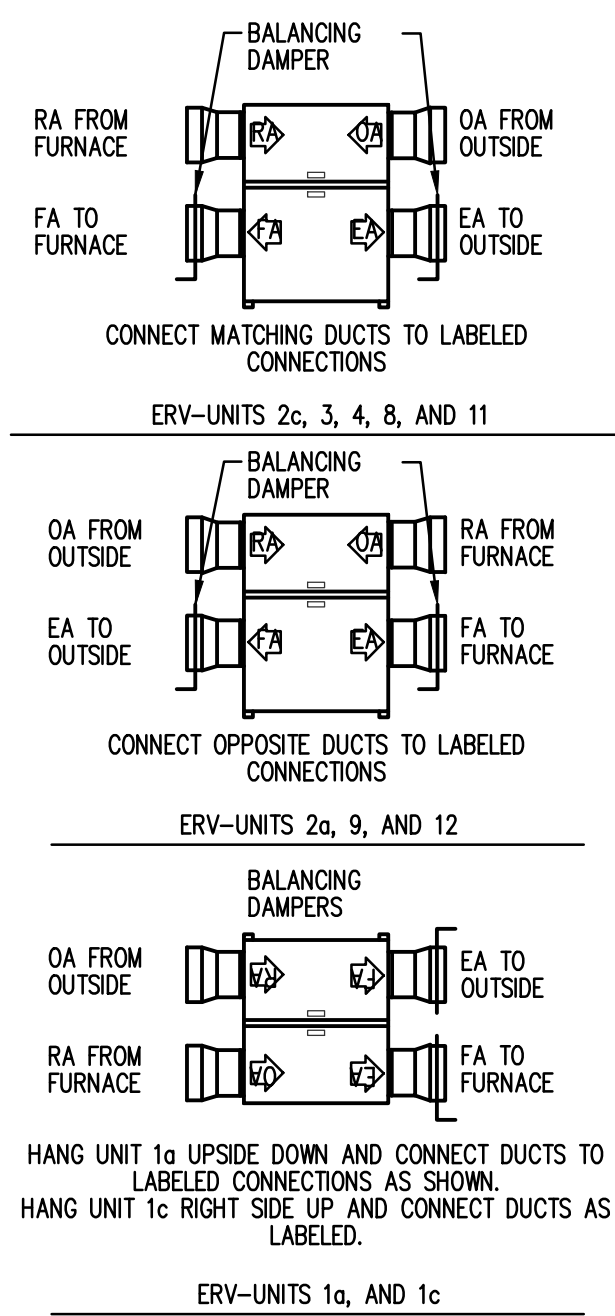


FURNACE SCHEDULE ^②								
MARK	MINIMUM REQ'D OUTPUT BTU/HR ^①	MINIMUM A.C.F.M.	MINIMUM O.A.	EXT. S.P. IN.W.G.	STANDARD FILTER SIZE ^⑥	M O T O R ^⑤		REMARKS ^⑨
						MINIMUM H.P.	SPEED ^⑦	
 1a	85,000	1600	840	0.50	1X20X25	1/2	HIGH ^⑥	--
 1b	85,000	1600		0.50	1X20X25	1/2	HIGH ^⑥	--
 1c	85,000	1600	840	0.50	1X20X25	1/2	HIGH ^⑥	--
 1d	85,000	1600		0.50	1X20X25	1/2	HIGH ^⑥	--
 2a	75,000	1400	1085	0.50	1X20X25	1/2	HIGH ^⑥	--
 2b	75,000	1400		0.50	1X20X25	1/2	HIGH ^⑥	--
 2c	75,000	1400	1085	0.50	1X20X25	1/2	HIGH ^⑥	--
 2d	75,000	1400		0.50	1X20X25	1/2	HIGH ^⑥	--
 3	75,000/48,000 ^①	1400	490	0.60	1X20X25	3/4	^④	--
 4	106,000/71,000 ^③	1800	690	0.50	1X20X25	3/4	^④	--
 5	85,000	1600	250	0.60	1X20X25	1/2	HIGH ^⑥	--
 6	85,000	1600	250	0.60	1X20X25	1/2	HIGH ^⑥	--
 7	85,000	1400	270	0.60	1X16X25	1/3	HIGH ^⑥	--
 8	106,000/71,000 ^③	1800	560	0.50	1X20X25	3/4	^④	--
 9	75,000/48,000 ^①	1400	500	0.50	1X20X25	3/4	^④	--
 10	41,000	1100	280	0.60	1X16X25	1/3	HIGH ^⑥	--
 11	102,000/71,000 ^③	1800	730	0.50	1X20X25	3/4	^④	--
 12	106,000/71,000 ^①	1800	730	0.50	1X20X25	3/4	^④	--
 13	75,000	1300	230	0.60	1X16X25	1/3	HIGH ^⑥	--

- ① SEA LEVEL RATING
 ② FURNACE MARKS CORRESPOND WITH COMPRESSOR UNIT AND DX COIL MARKS.
 ③ TWO STAGE HEAT FURNACE. HIGH/LOW
 ④ VARIABLE SPEED ECM MOTOR.
 ⑤ ELECTRICAL CHARACTERISTICS – MOTOR: 115V/1PHASE/60HZ
 ⑥ 4-SPEED, DIRECT DRIVE PSC MOTOR.
 ⑦ SET FAN MOTOR SPEED TAP TO LOWEST POSSIBLE SETTING REQUIRED TO ACHIEVE DESIGN AIR FLOW.
 ⑧ SEE DETAIL G/M501
 ⑨ SEE SPECIFICATION FOR APPROVED MANUFACTURERS

ENERGY RECOVERY VENTILATOR							
MARK ^⑥	CFM	ELECTRICAL					REMARKS
		FLA	MCA	VOLTS	HERTZ	PHASE	
 1a	840	17.2	19.4	115	60	1	② ③
 1c	840	17.2	19.4	115	60	1	② ④
 2a	1085	34.4	36.6	115	60	1	⑤
 2c	1085	34.4	36.6	115	60	1	⑤
 3	490	17.2	19.4	115	60	1	①
 4	690	17.2	19.4	115	60	1	①
 8	560	17.2	19.4	115	60	1	①
 9	500	17.2	19.4	115	60	1	①
 11	730	17.2	19.4	115	60	1	①
 12	730	17.2	19.4	115	60	1	①

- ① RENEWAIRE MODEL HE1XINV. TWO 0.75 HP FANS. 25 MAX. FUSE SIZE.
 ② RENEWAIRE MODEL HE1XINH. TWO 0.75 HP FANS. 25 MAX. FUSE SIZE. COMPLETE WITH ACCESSORY HANGING BRACKETS.
 ③ THIS UNIT TO BE HUNG UPSIDE DOWN AS SHOWN IN DETAIL AT RIGHT.
 ④ THIS UNIT TO BE HUNG RIGHT SIDE UP CONNECT DUCTWORK AS LABELED AND AS SHOWN IN SECTION 3/M301.
 ⑤ RENEWAIRE MODEL HE2XINV. TWO 15 HP FANS. 45 MAX. FUSE SIZE. COMPLETE WITH ACCESSORY HANGING BRACKETS.
 ⑥ ENERGY RECOVERY VENTILATOR MARKS CORRESPOND WITH FAN UNIT MARKS.



HANG UNIT 1a UPSIDE DOWN AND CONNECT DUCTS TO LABELED CONNECTIONS AS SHOWN.
 HANG UNIT 1c RIGHT SIDE UP AND CONNECT DUCTS AS LABELED.

COMPRESSOR UNIT SCHEDULE ^{① ③ ④} (COOLING ONLY)						
MARK	MIN. NOMINAL SIZE (TONS) ^②	COMPRESSOR RATED LOAD AMPS	FAN FULL LOAD AMPS	MIN. CIRCUIT AMPS	MOCp	REMARKS ^⑤
 1a	4.0	24.2	1.7	31.9	50	-- ^⑥
 1b	4.0	24.2	1.7	31.9	50	-- ^⑥
 1c	4.0	24.2	1.7	31.9	50	-- ^⑥
 1d	4.0	24.2	1.7	31.9	50	-- ^⑥
 2a	3.5	21.2	1.5	28.1	45	-- ^⑥
 2b	3.5	21.2	1.5	28.1	45	-- ^⑥
 2c	3.5	21.2	1.5	28.1	45	-- ^⑥
 2d	3.5	21.2	1.5	28.1	45	-- ^⑥
 3	3.5	21.2	1.5	28.1	45	-- ^⑥
 4	4.0	24.2	1.7	31.9	50	-- ^⑥
 5	4.0	24.2	1.7	31.9	50	-- ^⑥
 6	4.0	24.2	1.7	31.9	50	-- ^⑥
 7	3.5	21.2	1.5	28.1	45	-- ^⑥
 8	4.0	24.2	1.7	31.9	50	-- ^⑥
 9	3.5	21.2	1.5	28.1	45	-- ^⑥
 10	3.0	16.7	1.5	22.0	35	-- ^⑥
 11	4.0	24.2	1.7	31.9	50	-- ^⑥
 12	4.0	24.2	1.7	31.9	50	-- ^⑥
 13	3.0	16.7	1.5	22.0	35	-- ^⑥

- ① REFRIGERANT R-410a
 ② AT DESIGN CONDITIONS AND 100°F ENTERING AIR TEMPERATURE TO CONDENSER.
 ③ CONDENSING UNIT MARKS CORRESPOND WITH DX COIL AND FURNACE MARKS.
 ④ ELECTRICAL CHARACTERISTICS-COMPRESSOR: 230V/1 PHASE/60HZ
 ⑤ SEE SPECIFICATION FOR APPROVED MANUFACTURERS
 ⑥ COORDINATE ACTUAL ELECTRICAL RATINGS OF UNIT SUPPLIED WITH DIVISION 26.

ELECTRIC WALL HEATER SCHEDULE							
MARK	SERVES	KW OUTPUT	ELECTRICAL				REMARKS
			Ø	HERTZ	VOLTS	AMPS	
EH 1	FIRE RISER ROOM 137	2.2	1	60	208	10.0	QMARK QFG22281F W/O BUILT IN TSTAT

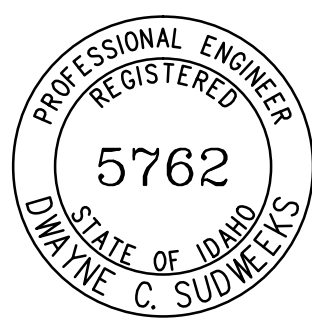
- GENERAL NOTES:
 1. THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS. MOTOR NAME PLATE VOLTAGE SHALL BE NEMA STANDARD 200 VOLT FOR 208 VOLT THREE PHASE SYSTEM AND SHALL BE NEMA STANDARD 230 VOLT FOR 240 VOLT THREE PHASE OR SINGLE PHASE SYSTEM. STARTER HEATERS INSTALLED SHALL COORDINATED WITH THE NAME PLATE DATA.
 2. S.C.F.M. LISTED IS STANDARD AIR. A.C.F.M. LISTED IS ACTUAL AIR AT ELEVATION NOTED.

DESIGN CONDITIONS	OUTSIDE	INSIDE
WINTER	5°F	70°F
SUMMER	98°F db, 65°F wb	75°F db, 64°F wb

DX COIL SCHEDULE ^①							
MARK	CALCULATED COOLING LOAD		EVAPORATOR ENT. CONDITIONS		A.C.F.M./S.C.F.M. ^③	MAX. PR. DR. IN. W.G. ^②	REMARKS ^④
	TOT.MBH	SEN.MBH	DB °F	WB °F			
 1a	39.8	31.7	80.3	65.8	1600/1456	0.29	--
 1b	39.8	31.7	80.3	65.8	1600/1456	0.29	--
 1c	39.8	31.7	80.3	65.8	1600/1456	0.29	--
 1d	39.8	31.7	80.3	65.8	1600/1456	0.29	--
 2a	33.3	27.1	81.1	66.7	1400/1247	0.19	--
 2b	33.3	27.1	81.1	66.7	1400/1247	0.19	--
 2c	33.3	27.1	81.1	66.7	1400/1247	0.19	--
 2d	33.3	27.1	81.1	66.7	1400/1247	0.19	--
 3	33.3	27.1	81.1	66.7	1400/1247	0.19	--
 4	42.9	35.1	81.7	67.0	1800/1638	0.35	--
 5	39.8	31.7	80.3	65.8	1600/1456	0.29	--
 6	39.8	31.7	80.3	65.8	1600/1456	0.29	--
 7	35.7	29.8	81.1	65.7	1400/1247	0.26	--
 8	44.0	35.6	81.6	66.8	1800/1638	0.35	--
 9	35.7	29.8	81.1	65.7	1400/1247	0.26	--
 10	35.7	29.8	81.1	65.7	1100/1001	0.26	--
 11	44.7	36.0	81.5	66.5	1800/1638	0.35	--
 12	44.0	35.6	81.6	66.8	1800/1638	0.35	--
 13	32.3	29.2	82.0	64.6	1300/1183	0.26	--

- ① COMPLETE WITH FACTORY COIL BOX AND COIL
 ② WET COIL
 ③ 2400 FEET ELEVATION. (0.910 CFM TRANSMISSION FACTOR)
 ④ SEE SPECIFICATION FOR APPROVED MANUFACTURERS

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDNEEKS
 DATE ORIGINAL SIGNED: May 23, 2017
 ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
 1355 EAST CENTER, POCA TELLO, IDAHO 83201



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Date: May 23, 2017

Stamp:

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 Middleton Idaho Stake

1332 Cornell Street
 Middleton, Idaho 83644

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Mark	Date	Rev.	Description

Project Number: 21701
 Plan Series: HE1T-SCS-09-07
 Property Number: 50034331601

Sheet Title:
MECHANICAL SCHEDULES

Sheet:

M601