

FAN UNIT SCHEDULE (GAS FIRED FURNACE)

[illegible]

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

COMPRESSOR UNIT SCHEDULE ①③④ (COOLING ONLY)

MARK	MIN. NOMINAL SIZE (TONS)	COMPRESSOR RATED LOAD AMPS	FAN FULL LOAD AMPS	MIN. CIRCUIT AMPS	REMARKS
CU 1	5.0	26.4	1.7	34.6	--
CU 2	5.0	26.4	1.7	34.6	--
CU 3	4.0	21.8	1.7	28.9	--
CU 4	3.0	18.6	1.5	24.3	--
CU 5	4.0	21.8	1.7	28.9	--
CU 6	5.0	26.4	1.7	34.6	--
CU 7	5.0	26.4	1.7	34.6	--
CU 8a	4.0	21.8	1.7	28.9	--
CU 8b	4.0	21.8	1.7	28.9	--
CU 8c	4.0	21.8	1.7	28.9	--
CU 8d	4.0	21.8	1.7	28.9	--
CU 9a	4.0	21.8	1.7	28.9	--
CU 9b	4.0	21.8	1.7	28.9	--
CU 10	4.0	21.8	1.7	28.9	--

- ① REFRIGERANT R-410a
- ② AT DESIGN CONDITIONS AND 100°F ENTERING AIR TEMPERATURE TO CONDENSER.
- ③ COMPRESSOR UNIT MARKS CORRESPOND WITH DX COIL AND FAN UNIT MARKS.
- ④ ELECTRICAL CHARACTERISTICS—COMPRESSOR: 208V/1 PHASE/60HZ
- ⑤ SEE SPECIFICATION FOR APPROVED MANUFACTURERS

DX COIL SCHEDULE

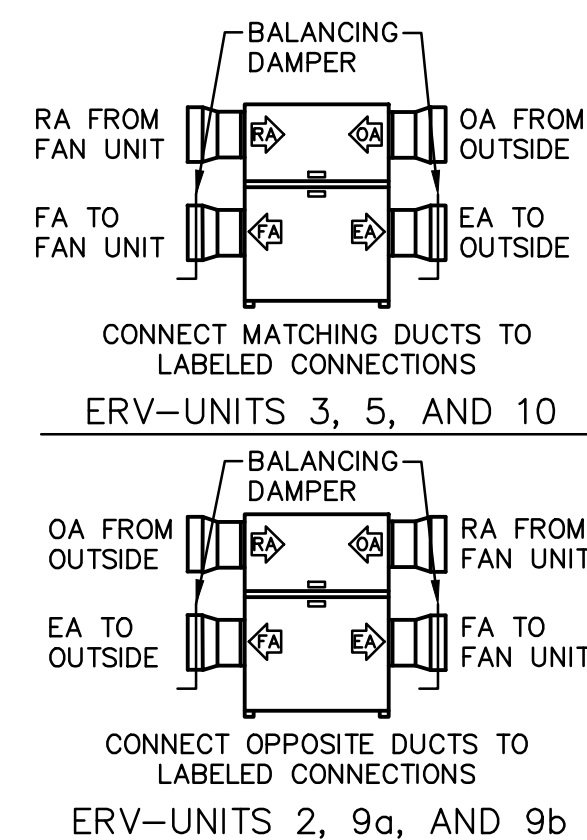
MARK	CALCULATED COOLING LOAD		EVAPORATOR ENT. CONDITIONS		③	②	REMARKS ④
	TOT.MBH	SEN.MBH	DB °F	WB °F	A.C.F.M./S.C.F.M.	MAX. PR. DR. IN. W.G.	
CC 1	61.9	53.4	84.2	64.5	1980	0.34	--
CC 2	48.1	40.0	81.0	66.0	1980	0.34	--
CC 3	40.4	32.6	81.5	66.4	1600	0.35	--
CC 4	29.4	26.5	82.7	65.4	1200	0.28	--
CC 5	38.6	31.3	81.5	66.9	1600	0.35	--
CC 6	51.7	45.6	83.9	66.3	1980	0.34	--
CC 7	63.2	54.0	84.5	64.7	1980	0.34	--
CC 8a	39.6	33.8	83.5	67.2	1600	0.35	--
CC 8b	39.6	33.8	83.5	67.2	1600	0.35	--
CC 8c	39.6	33.8	83.5	67.2	1600	0.35	--
CC 8d	39.6	33.8	83.5	67.2	1600	0.35	--
CC 9a	49.5	38.2	83.0	66.2	1600	0.35	--
CC 9b	49.5	38.2	83.0	66.2	1600	0.35	--
CC 10	45.6	35.6	82.5	66.5	1600	0.35	--

- ① COMPLETE WITH FACTORY COIL BOX AND COIL
- ② WET COIL
- ③ 3100 FEET ELEVATION. (0.895 CFM TRANSMISSION FACTOR)
- ④ SEE SPECIFICATION FOR APPROVED MANUFACTURERS

ENERGY RECOVERY VENTILATOR

MARK ③	CFM	ELECTRICAL					REMARKS
		FLA	MCA	VOLTS	HERTZ	PHASE	
ERV 2	645	17.2	19.4	115	60	1	① ②
ERV 3	640	17.2	19.4	115	60	1	① ②
ERV 5	640	17.2	19.4	115	60	1	① ②
ERV 9a	840	17.2	19.4	115	60	1	① ②
ERV 9b	840	17.2	19.4	115	60	1	① ②
ERV 10	785	17.2	19.4	115	60	1	① ②

- ① RENEWAIRE MODEL HE1XINV. TWO 0.75 HP FANS. 25 MAX. FUSE SIZE.
- ② REFER TO DETAILS AT RIGHT FOR CORRECT DUCT CONNECTIONS AT EACH UNIT.
- ③ ENERGY RECOVERY VENTILATOR MARKS CORRESPOND WITH FAN UNIT MARKS.



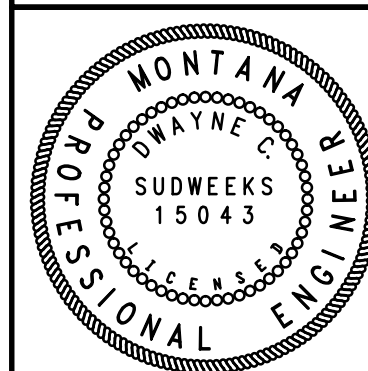
ELECTRIC WALL HEATER SCHEDULE

MARK	SERVES	KW OUTPUT	ELECTRICAL				REMARKS
			Ø	HERTZ	VOLTS	AMPS	
EH 1	FIRE RISER ROOM 159	3	1	60	208	14.4	COMPLETE WITH THERMOSTAT CONTROL

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.

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: Sep 07, 2016
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCATELLO, IDAHO 83201



**Engineered
Systems
Associates**

1355 EAST CENTER
POCATELLO, IDAHO 83201

PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com

ESA JOB NUMBER: 15001

Architect / Engineer:

nbwarchitects p.a.
ARCHITECTURE / PLANNING / INTERIORS
SCOTT, NELSON, A.J.A. KEVIN R. BODLEY, A.J.A. JAMES H. WYATT, A.J.A.
1901 JOHN RUBIN PARKWAY P.O. BOX 2212 (10TH) FALLS, IOWA 52402-2212
PHONE 208-222-8779 (F) 208-522-8785 (H) www.nbwarchitects.com

Stamp:

**Billings Sweet Grass Creek
Heritage 98
Billings Montana Stake**

Project for:

THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

x	x	x	x	x	x	x	x
x	x	x	x	x	x	x	x

Project Number: 15047
Plan Series: HER-TRA-98-20
Property Number: 501-1850

Sheet Title:
**MECHANICAL
SCHEDULES**

Sheet:

M601