

FILE: C:\Users\MZinnerman\Dropbox\2015\15010 - Perry County (1800)\Kafra - Revised\M1.1 SCHEDULES Rev3 4.30.19.dwg PLOT DATE: May/16/2019 4:01 PM PLOTTED BY: MARCUS ZINNERMAN LAST SAVE: May/16/2019 2:52 PM

SPLIT SYSTEM SCHEDULE		
INDOOR UNIT MARK	AHU-1	
OUTDOOR UNIT MARK	HP-1	
TYPE	HORIZONTAL	
DESIGN OUTSIDE AIR-CFM	1260	
REFRIGERANT CIRCUITS - QTY	2	
FAN DATA	SUPPLY AIR-CFM	6780
	SPEES / TYPE	2 / VFD
	MOTOR H.P.	5
	EXTERNAL S.P.-IN. W.G.	0.5
COOLING DATA	TOTAL CAPACITY (BTUH)	181.9
	SENSIBLE CAPACITY (BTUH)	142.5
	E.D.B./E.W.B.	76.7 / 64.4
	AMBIENT TEMP.-F DB/WB	96 / 76
HEATING DATA	MIN. UNIT E.E.R./I.E.E.R.	10.6 / 12.5
	CAPACITY (BTUH)	100.0
	E.D.B.	67.5
	L.D.B.	81.5
HEATER DATA	C.O.P. @ 47F DB	3.4
	TYPE	ACCESSORY
	HEATER SIZE-KW	50
	NO. STEPS	2
FILTER DATA	FLA	104.2
	MOCP	130
	MAX. VELOCITY-FPM	600
	THICKNESS	2"
ELECTRICAL DATA	TYPE	MERV 6
	INITIAL A.P.D.- IN W.G.	0.15
	FINAL A.P.D.- IN W.G.	0.3
	VOLTS	208
OUTDOOR UNIT ELECTRICAL DATA	PHASE	3
	HERTZ	60
	MCA	143.8
	MOCP	150
BASIS OF DESIGN-INDOOR UNIT	VOLTS	208
	PHASE	3
	HERTZ	60
	MCA	60.8
BASIS OF DESIGN-OUTDOOR UNIT	MOCP	80
	BRYANT	524JP16
	BRYANT	575JP16
	REMARKS:	1-3

- COIL CONNECTIONS, COIL PULL, AND ACCESS PANELS SHALL BE ON ACCESS CLEARANCE SIDE AS SHOWN ON PLANS. PROVIDE METAL LOCKABLE COVER OVER THERMOSTAT.
- AIR HANDLING UNIT AND ELECTRIC HEATER SHALL HAVE SEPARATE POWER CONNECTIONS. SPLIT SYSTEM PERFORMANCE IS SCHEDULED WITHOUT AUXILIARY KW HEATER. HEAT PUMP AND ELECTRIC HEATER SHALL BE CONNECTED TO NORMAL POWER. AIR HANDLING UNIT FAN SHALL BE CONNECTED TO GENERATOR POWER.
- MOUNT AHU APPROXIMATELY 12" ABOVE EQUIPMENT LEVEL FLOOR WITH EQUIPMENT SUPPORTS.


OUTSIDE AIR CALCULATIONS: AHU-1,2										
ROOM DATA			ASHRAE 62 DATA							
ROOM NUMBER AND NAME	APPLICATION TYPE	SQUARE FEET	NO. OF PEOPLE/1000 S.F.	CFM/PERSON	NO. OF PLUMBING FIXTURES	CFM/S.F.	ZONE EFFECT.	O.S.A. CFM	SUPPLY AIR CFM	ROOM O.S.A. S.A.
TOILETS	TOILETS	400	-	50	16	-	-	800	600	-
GYM PLAYING COURT	PLAYING CRT	5300	-	-	-	0.3	0.8	1987	6080	0.32
OFFICE	OFFICE	156	5	5	-	0.06	0.8	15	100	0.15


AIR DEVICE SCHEDULE					
MARK	MAXIMUM CFM	NECK SIZE (INCHES)	FACE SIZE (INCHES)	BASIS OF DESIGN	NOTES
S1-6	100	6X6	24X24	TITUS TDC-AA	1
S1-7	160	6X6	24X24	TITUS TDC-AA	1
S1-8	240	9X9	24X24	TITUS TDC-AA	1
S1-10	360	12X12	24X24	TITUS TDC-AA	1
S1-12	650	12X12	24X24	TITUS TDC-AA	1
S1-14	900	15X15	24X24	TITUS TDC-AA	1
S1-16	1200	18X18	24X24	TITUS TDC-AA	1
S2-6	100	6X6	11X11	TITUS TDC-AA	2
S2-7	160	6X6	11X11	TITUS TDC-AA	2
S2-8	240	9X9	14X14	TITUS TDC-AA	2
S2-10	360	12X12	17X17	TITUS TDC-AA	2
S2-12	650	12X12	17X17	TITUS TDC-AA	2
S2-14	900	15X15	20X20	TITUS TDC-AA	2
S4-WxH	SEE PLANS		(W+1.25)x(H+1.25)	TITUS 272FL	3
R1-12	250	10X10	12X12	TITUS 3FL	1,4
R1-18	625	16X16	18X18	TITUS 3FL	1,4
R1-24	1000	22X22	24X24	TITUS 3FL	1,4
R2-12	250	10X10	12X12	TITUS 3FL	3
R2-18	625	16X16	18X18	TITUS 3FL	3
R2-24	1000	22X22	24X24	TITUS 3FL	3
X1-WxH	SEE PLANS		(W+1.25)x(H+1.25)	TITUS 3FL	3
X1-12	250	10X10	12X12	TITUS 3FL	3,5
X1-18	625	16X16	18X18	TITUS 3FL	3,5
X1-24	1000	22X22	24X24	TITUS 3FL	4,5
X1-60	7500	58x58	60x60	TITUS 23RL	6

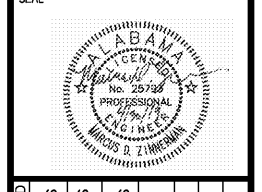
- GENERAL NOTE: SCHEDULE LISTS STANDARD AIR DEVICES USED. NOT ALL SCHEDULED AIR DEVICES MAY APPLY TO THIS PROJECT.
- PROVIDE INTEGRAL LAY-IN PANEL TO MAKE FACE SIZE 24X24. PROVIDE PLENUM BOOT ON DUCTED REGISTERS.
 - FLAT SURFACE MOUNT BORDER. PROVIDE PLENUM BOOT. NECK SIZES LISTED FOR SLOT DIFFUSERS ARE ROUND NECK INLET TO DIFFUSER PLENUM. NUMBERS IN PARENTHESIS FOR SLOT DIFFUSERS INDICATE NUMBER OF SLOTS.
 - SURFACE MOUNT BORDER.
 - LAY-IN BORDER.
 - PROVIDE PLENUM BOOT ON EXHAUST GRILLES AND RETURN GRILLES WHERE DUCTED. PROVIDE OPPOSED BLADE DAMPER IN EXHAUST GRILLE AND RETURN GRILLES THAT ARE DUCTED.
 - ALL STEEL CONSTRUCTION. COLOR SELECTED BY ARCHITECT. INSTALL WITH BLADES POINTED UP.

ENERGY RECOVERY VENTILATOR SCHEDULE																															
MARK	AHU SERVED	(OUTSIDE AIR) SUPPLY FAN					(RETURN AIR) EXHAUST FAN					UNIT SUPPLY AIR				RECOVERED HEAT (MBH)				UNIT PHYSICAL DATA				ELECTRICAL				BASIS OF DESIGN (RENEWAIRE)	NOTES		
		DB	WB	DB	WB	E.S.P. W.G.	CFM	HP	DB	WB	DB	WB	E.S.P. W.G.	CFM	HP	DB	WB	DB	WB	SENS.	TOTAL	SENS.	TOTAL	WEIGHT	SIZE L X W X H IN.	UNIT CONTROLS FL AMPS	V/PH/Hz			MCA	MOCP
ERV-1	AHU-1	96.2	76.5	76.2	72.2	0.5	2002	2.0	75	62.6	72.0	58.8	0.5	1500	2.0	83.8	70.5	48.5	41.6	16.93	30.48	45.36	62.94	488	41.25x 54.875x 36.625	-	208/3/60	10.8	15	HE2XINH	1-6

- ARRANGEMENTS OF HEATING & COOLING COILS AND DUCT INLETS AND OUTLETS SHALL BE AS SHOWN ON DRAWINGS.
- SEPARATE FANS MOTOR POWERS RETURN FAN MOTOR.
- MERV 6 FILTERS.
- CONNECT TO GENERATOR POWER. INTEGRAL STARTERS AND NON-FUSED DISCONNECT.
- CONTROL BY COMMERCIAL THERMOSTAT FOR AHU-1/HP-1 BASED ON OCCUPIED SCHEDULE.
- RIGHT SIDE: 24X14 OUTSIDE AIR OPENING ON TOP AND 24X14 RETURN AIR OPENING ON BOTTOM. LEFT SIDE: 24X14 EXHAUST AIR OPENING ON TOP AND 24X14 FRESH (SUPPLY) AIR ON BOTTOM. FRONT SIDE: FULLY REMOVABLE ACCESS DOOR, (2) WIRING INLETS AND UNIT DISCONNECT SWITCH.







NO.	DATE	REVISION	APPROVED
1	04-25-2018	REVISED FINAL PERC COMMENTS AND REPLIES TO OMC	
2	06-13-2018	PEER REVIEW REPLIES TO OMC	
3	04-08-2019	SECOND REVISIONS FINAL PERC COMMENTS AND REPLIES	

REUSE OF DOCUMENTS

THIS DOCUMENT WITH THE IDEAS AND DESIGNS INCORPORATED HEREIN ARE AN INSTRUMENT OF SERVICE AND MUST NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF KAFRA.

COMMUNITY STORM SHELTER
B.C. NO. 2014346
FOR THE
PERRY COUNTY COMMISSION

300 Washington Street, Monticello, Alabama 36176
 Perry County, Alabama 36176

DATE	APRIL 30, 2019
DRWN. BY	DRCO
DSGN. BY	DRCO
CHKD. BY	MDZN
APVD. BY	MDZN
SCALE	NONR

MARION STORM SHELTER
MARION SAFE ROOM
SCHEDULES

PROJECT No.	11MON01
DRAWING No.	M1.1
B.C. Project No.	2014346

CONSTRUCTION DOCUMENTS