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AIR DEVICE SCHEDULE

No.	DUTY	CFM RANGE LOW	CFM RANGE HIGH	FACE SIZE	DUCT NECK SIZE	BLOW	MAX AP (IN H2O)	BASIS OF DESIGN MFR/MODEL NO.
A1	CEILING DIFFUSER	0	175	24"x24"	8"	4-WAY	0.09	TITUS/PAS
B1	LAB CEILING DIFFUSER	←				NOT USED		→
C1	SIDEWALL SUPPLY REGISTER	0	100	8"x8"	6"x6"	35° DEFL	0.05	TITUS/350
C2	SIDEWALL SUPPLY REGISTER	300	600	14"x8"	12"x8"	35° DEFL	0.05	TITUS/350
D1	LINEAR SUPPLY REGISTER	←				NOT USED		→
F1	SIDEWALL RETURN REGISTER	←				NOT USED		→
J1	CEILING RETURN REGISTER	←				NOT USED		→
G1	LAB EXHAUST REGISTER	←				NOT USED		→
H1	EXHAUST REGISTER	0	100	8"x8"	6"x6"	35° DEFL	0.05	TITUS/350 RL
H2	EXHAUST REGISTER	101	180	10"x10"	8"x8"	35° DEFL	0.05	TITUS/350 RL
H3	EXHAUST REGISTER	181	400	14"x14"	12"x12"	35° DEFL	0.05	TITUS/350 RL
H4	EXHAUST REGISTER	401	800	18"x18"	18"x18"	35° DEFL	0.05	TITUS/350 RL
I1	EXHAUST REGISTER	←				NOT USED		→
J1	HEPA CEILING MODULE	←				NOT USED		→
K1	TRANSFER GRILLE	←				NOT USED		→
L1	CEILING RETURN GRILLE	0	175	24"x24"	9"x9"	35° DEFL	0.05	TITUS/350 RL, LAY-IN
L2	CEILING RETURN GRILLE	176	400	24"x36"	12"x12"	35° DEFL	0.05	TITUS/350 RL, LAY-IN
M1	DRUM LOUVER	2040	2835	-	70"x15"	4-WAY	0.04	TITUS/DRL

SHOP AIR COMPRESSOR SCHEDULE

DESIG	SERVICE	TYPE	OPERATING PRESSURE (PSIG)	CAPACITY (CFM)	STORAGE (GAL)	HORSEPOWER	ELECTRICAL	BASIS OF DESIGN
SC-1	SHOP AREA	RECIPROCATING	175	16.5	80	5	460 / 3 / 60	INGERSOLL RAND 2475G5 SERIES (VERTICAL)

NOTES:
1. PROVIDE TWO OUTLET MANIFOLD WITH QUICK DISCONNECT CONNECTIONS.

ROOFTOP UNIT SCHEDULE

DESIG.	SERVICE	SUPPLY FAN CFM	SUPPLY FAN ESP (IN. WG)	SUPPLY FAN MOTOR HP	MIN OA (CFM)	DX COOLING CAPACITY EAT (°F) DB	DX COOLING CAPACITY EAT (°F) WB	DX COOLING CAPACITY LAT (°F) DB	DX COOLING CAPACITY LAT (°F) WB	DX COOLING CAPACITY TOTAL MBH	DX COOLING CAPACITY SENS MBH	DX COOLING CAPACITY MAX COIL FACE VEL (FPM)	NATURAL GAS HEATING CAPACITY EAT (°F)	NATURAL GAS HEATING CAPACITY LAT (°F)	NATURAL GAS HEATING CAPACITY MBH (INPUT)	NATURAL GAS HEATING CAPACITY MBH (OUTPUT)	ELECTRICAL V/PH/HZ	ELECTRICAL MCA	ELECTRICAL MOP	NOTES	BASIS OF DESIGN MANUFACTURER/MODEL NO.
RTU-1	CONTROL ROOM / LOCKER AREA	575	1.1	0.5	575	95	78	55	54	48	25	400	38	65	50	38	460 / 3 / 60	12	15	(1)	AAON / RQ

NOTES:
1. TSP INCLUDES 0.50" WC FOR DIRTY FILTER ALLOWANCE.

HEATING AND VENTILATING UNIT SCHEDULE

DESIG.	SERVICE	SUPPLY FAN CFM	SUPPLY FAN ESP (IN. WC)	SUPPLY FAN BHP	SUPPLY FAN WHEEL DIA. (IN.)	SUPPLY FAN MOTOR HP	SUPPLY FAN MOTOR V/PH/HZ	MIN OA (%)	INTEGRAL FACE & BY PASS HEATING COIL EAT (°F)	INTEGRAL FACE & BY PASS HEATING COIL LAT (°F)	INTEGRAL FACE & BY PASS HEATING COIL MBH	INTEGRAL FACE & BY PASS HEATING COIL STEAM #PH @ 5 PSIG	MAX AIR PD (IN WG)	MIN FACE AREA (SQ FT)	MAX FACE VEL (FPM)	MAX FPI	MIN ROWS	NO OF COILS	NOTES	BASIS OF DESIGN MFR/MODEL NO.
HV-B-1	BOILER PLANT	9,200	1.2	9.81	9.8	15	15	480 / 3 / 60	100	25	85	363	363	1.00	12.1	765	8		1	(2) (3) (4)	JCI/SOLUTION 63-163
HV-B-2	BOILER PLANT	9,500	1.2	9.81	9.8	15	15	480 / 3 / 60	100	25	85	363	363	1.00	12.1	765	8		1	(2) (3) (4)	JCI/SOLUTION 63-163
HV-B-3	BOILER PLANT	9,500	1.2	9.81	9.8	15	15	480 / 3 / 60	100	25	85	363	363	1.00	12.1	765	8		1	(2) (3) (4)	JCI/SOLUTION 63-163

NOTES:
1. SCHEDULED TSP INCLUDES 0.49" FOR FILTER LOADING ALLOWANCE.
2. PROVIDE FACTORY MIXING BOX WITH PARALLEL BLADE DAMPERS. SEE MH DRAWINGS FOR CONNECTION LOCATIONS.
3. PROVIDE FACTORY SIDE ACCESS FILTER SECTION WITH MERV-8 FILTERS.
4. HEATING AND VENTILATION UNITS SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 23 73 00 "INDOOR CENTRAL STATION AIR HANDLING UNITS".

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

SPACE SERVED	INDOOR UNIT DESIG	INDOOR UNIT FAN AIRFLOW (CFM)	INDOOR UNIT FAN FLA	INDOOR UNIT COOLING CAPACITY (MBH)	INDOOR UNIT COOLING EAT (°F) DB	INDOOR UNIT COOLING EAT (°F) WB	INDOOR UNIT HEATING CAPACITY (MBH)	INDOOR UNIT HEATING EAT (°F) DB	INDOOR UNIT HEATING EAT (°F) WB	BASIS OF DESIGN	OUTDOOR UNIT DESIG	OUTDOOR UNIT ELECTRICAL SEER	OUTDOOR UNIT ELECTRICAL HSPF	OUTDOOR UNIT ELECTRICAL V/PH/HZ	OUTDOOR UNIT AMBIENT EAT (°F) COOLING DB	OUTDOOR UNIT AMBIENT EAT (°F) COOLING WB	OUTDOOR UNIT AMBIENT EAT (°F) HEATING DB	OUTDOOR UNIT AMBIENT EAT (°F) HEATING WB	WEIGHT (LBS)	BASIS OF DESIGN
CONTROL ROOM	AC-1-1	750	-	115/1/60	80	67	11.8	70	60	TOSHIBA RAV-SP180CT-UL	AC-1	20.7	9.5	115 / 1 / 60	95	75	17	15	190	TOSHIBA RAV-SP240AT-UL
CONTROL ROOM (BACKUP)	AC-2-1	750	-	115/1/60	80	67	11.8	70	60	TOSHIBA RAV-SP240CT-UL	AC-2	20.7	9.5	115 / 1 / 60	95	75	17	15	190	TOSHIBA RAV-SP240AT-UL
LOCKER ROOM	AC-3-1	750	-	115/1/60	80	67	11.8	70	60	TOSHIBA RAV-SP120CT-UL	AC-3	20.5	11.5	115 / 1 / 60	95	75	17	15	190	TOSHIBA RAV-SP120AT-UL
STORAGE ROOM	AC-4-1	400	-	115/1/60	80	67	11.8	70	60	TOSHIBA RAV-SP120CT-UL	AC-4	20.5	11.5	115 / 1 / 60	95	75	17	15	190	TOSHIBA RAV-SP120AT-UL

NOTES:
1. OUTDOOR UNIT SHALL BE PROVIDED WITH SERVICE DISCONNECT. ELECTRICAL CONNECTION TO INDOOR UNIT(S) SHALL RECEIVE POWER FROM OUTDOOR UNIT THROUGH FIELD SUPPLIED WIRING.
2. PROVIDE LOW AMBIENT PRESSURE CONTROL FOR OPERATION DOWN TO 0°F AMBIENT.
3. PROVIDE RAIN / SNOW HOOD.

FAN SCHEDULE

DESIG	SERVICE	TYPE	CFM	SP (IN. WC)	APPROX. RPM	BHP	WHEEL DIA. (IN.)	MOTOR HP	MOTOR ELECTRICAL	DRIVE	AMCA CONSTRUCTION CLASS	APPROXIMATE WEIGHT (LBS)	NOTES	BASIS OF DESIGN MFR/MODEL NO.
EF-1	TOILET/LOCKER ROOMS	POWER ROOF VENTILATOR	825	0.5	1175	0.11	-	1/4	115 / 1 / 60	BELT	-	60	(1) (2) (3)	GREENHECK/SQ-091

NOTES:
1. PROVIDE FACTORY BACKDRAFT DAMPER.
2. PROVIDE UNIT MOUNTED FACTORY DISCONNECT SWITCH.
3. FAN SHALL BE THIRD CERTIFIED FOR HIGH WINDS UP TO 150 MPH.

GRAVITY RELIEF HOOD SCHEDULE

DESIG	DUTY	TYPE	CFM	MAX AIR PD (INCH WC)	EXHAUST VEL FPM	THROAT VEL FPM	THROAT AREA SQ FT	APPROX WEIGHT	BASIS OF DESIGN MFR/MODEL NO.
GRH-1 THRU GRH-3	BOILER PLANT	GRAVITY AIR RELIEF VENTILATOR - LOW SILHOUETTE	10,000	0.05	500	882	20	220	GREENHECK/GR

NOTES:
1. PROVIDE BAROMETRIC BACKDRAFT DAMPER.
2. GRAVITY RELIEF HOOD SHALL BE CERTIFIED FOR HIGH WINDS UP TO 150 MPH.

UNIT HEATER SCHEDULE

DESIG.	SERVICE	TYPE	NOMINAL CFM	CAP (MBH)	NAT GAS INPUT (MBH)	MOTOR POWER (W)	RPM	ELECTRICAL	BASIS OF DESIGN MFR/MODEL NO.
UH-1-1 TO UH-1-7	BOILER PLANT	HORIZONTAL DISCHARGE	550	38,000	45	1/20	1550	115 / 1 / 60	TRANE/GTNO

FINAL DESIGN
APPROVED FOR CONSTRUCTION

Revisions:	Date

CONSULTANTS:

Affiliated Engineers
Affiliated Engineers SE, Inc.
Thoge Town Center
12821 SW 1st Road Ste 205
Gainesville, Florida 32608
Tel 352.376.6590 Fax 352.375.3479
CA 8160

Jack S Neely, State of Florida, Professional Engineer, License No. 69109.
This item has been electronically signed and sealed by Jack S Neely, PE on 8/16/2018 using a Digital Signature.
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ARCHITECT/ENGINEERS:

AKEA INC
1803 NW 69th Street, Suite B
Gainesville, FL 32605
Phone: (352) 474-8124
Fax: (352) 563-8437
State FL #26693
AKEA Project No. 083-14

Drawing Title	Project Title	Project Number	
HVAC SCHEDULES	REPLACE BOILERS - FCA D, ENERGY AT THE MALCOM RANDALL VAMC	573-14-600	Office of Construction and Facilities Management
Approved: Project Director	Location: GAINESVILLE, FLORIDA	Building Number	
	Date: MARCH 9, 2018 / Checked: JSN / Drawn: RWD	Drawing Number: MH601 59 OF 127	

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