AIR DEVICE SCHEDULE

TYPE	MANUFACTURER	MODEL	FRAME/BORDER	MODULE SIZE	MATERIAL	FINISH	DAMPER TYPE	NOTES
RG-1	TITUS	PAR	FLANGED - SURFACE MOUNT	22X55	ALUMINUM	#26 WHITE	NA	1
RG-2	TITUS	PAR	FLANGED - SURFACE MOUNT	24X24	STEEL	#26 WHITE	NA	1
SD-1	TITUS	TMS	CEILING LAY-IN	24X24	STEEL	#26 WHITE	OBD	1,2
SD-2	TITUS	TMS	CEILING LAY-IN	24X24	STEEL	#26 WHITE	OBD	1,2
SG-1	TITUS	PAR	FLANGED - SURFACE MOUNT	16X55	ALUMINUM	#26 WHITE	NA	1
SR-1	TITUS	122RS	FLANGED - SURFACE MOUNT	48x36	STEEL	#26 WHITE	OBD	1
SR-1	TITUS	122RS	FLANGED - SURFACE MOUNT	48x36	STEEL	#26 WHITE	OBD	1
SR-1	TITUS	122RS	FLANGED - SURFACE MOUNT	48x36	STEEL	#26 WHITE	OBD	1
SR-1	TITUS	122RS	FLANGED - SURFACE MOUNT	48x36	STEEL	#26 WHITE	OBD	1
SR-1	TITUS	122RS	FLANGED - SURFACE MOUNT	48x36	STEEL	#26 WHITE	OBD	1
SR-1	TITUS	122RS	FLANGED - SURFACE MOUNT	48x36	STEEL	#26 WHITE	OBD	1
SR-2	TITUS	122RS	FLANGED - SURFACE MOUNT	48x36	STEEL	#26 WHITE	OBD	1,3
SR-3	TITUS	111RL	FLANGED - SURFACE MOUNT	32x32	STEEL	#26 WHITE	OBD	1
SR-4	TITUS	111RL	FLANGED - SURFACE MOUNT	30X30	STEEL	#26 WHITE	OBD	1

FILTER RACK SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	RACK SIZE (IN.) FLNGD WIDTH	RACK SIZE (IN.) FLNGD HEIGHT	RACK SIZE (IN.) LENGTH	AIRFLOW (CFM)	MAXIMUM FILTER VELOCITY (FPM)	AIR PRESSURE DROP (IN W.C.) INITAL	AIR PRESSURE DROP (IN W.C.) FINAL	FILTER TYPE	THICKNESS IN.	APPROXIMATE WEIGHT (LBS)	NOTES
F-201	MEZZANINE 201	AAF	SUREFLOW 20H30W	70	51	27	21,500	500	0.5	1.0	MERV 8	2.0	200	---

FAN COIL SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	AIRFLOW (CFM)	O.A. (CFM)	AIR PD (IN WC)	SUMMER EAT (FDB)	SUMMER EAT (FWB)	COOLING CAPACITY (BTUH) SENSIBLE	COOLING CAPACITY (BTUH) TOTAL	HEATING CAPACITY (BTUH)	WINTER EAT (FDB)	EER/SEER	MOTOR HP	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	APPROX WEIGHT (LBS)	NOTES
FCU-501	OFFICE 105	CARRIER	40MBDQ2413	553	75	0.64	75.0	61.8	12,000	15,000	12,900	60.8	13.0 / 21.5	1.27 MCA	208	1	100	1

ROOF HOOD SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	AIRFLOW (CFM)	AIR PD (IN WC)	TYPE	THROAT SIZE (IN)	HOOD CONSTRUCTION	APPROX WEIGHT (LBS)	NOTES
IH-201	MEZZANINE 201	GREENHECK	FG	21,500	0.1	INTAKE	66"x72"	ALUMINUM	500	1,2
IH-202	MEZZANINE 201	GREENHECK	FG	3,000/6,000	0.1	INTAKE	34x40	ALUMINUM	150	1,2

HEAT PUMP SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	COOLING CAPACITY (BTUH)	COOLING MIMIMUM CAPACITY STEPS	HEATING OUTPUT CAPACITY HEAT PUMP (BTUH)	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	MINIMUM CIRCUIT AMPACITY	ARI MINIMUM EFFICIENCY	COP AT 17F	MATCHED WITH INDOOR UNIT	APPROX WEIGHT (LBS)	NOTES
HP-501	EXTERIOR WALL (OUTSIDE RESTROOM 104)	CARRIER	38MARBQ24AA3	24,000	1	24,000	208	1	15	21.5 SEER	2.0	FCU-501	100	1,2

MAKEUP AIR UNIT SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	HEATING TYPE	AIRFLOW (CFM)	ESP (IN WC)	MOTOR HP	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	POWER SUPPLY MCA	POWER SUPPLY MOCP	NATURAL GAS CAPACITY (BTUH) INPUT	NATURAL GAS CAPACITY (BTUH) OUTPUT	TEMP RISE (F)	MINIMUM TURNDOWN RATIO	FILTER DATA TYPE	FILTER DATA THICKNESS (IN)	VIBRATION ISOLATION	APPROX WEIGHT (LBS)	NOTES
MAU-101	AT GRADE	ENGINEERED AIR	HE601/O/V	DF	26,000/52,000	1.50	50	480	3	73.6	125	3,756,672	3,43,8310	54	25.1	PLEATED	2	INTERNAL	4,800	1,2,5
MAU-201	MEZZANINE 201	GREENHECK	1GX-P122-H22-MF-N	SC	3,000/6,000	1.0	5	480	3	24.8	40	500,00	405,000	62.4	8.1	PLEATED	2	INTERNAL	1,400	1,3,4

FAN SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	FAN TYPE	AIRFLOW (CFM)	ESP (IN WC)	BRAKE HP	MOTOR HP	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	MINIMUM WHEEL DIAMETER (IN)	WHEEL TYPE	DRIVE	FILTER DATA TYPE	FILTER DATA THICKNESS (IN)	VIBRATION ISOLATION	APPROX WEIGHT (LBS)	NOTES
CF-401	RESTROOM 104	GREENHECK	CSP-A390-VG	CF	100	0.625	0.04	0.5	120	1	7.75	C	DIRECT	---	---	INTERNAL	50	2,4,6A
DF-201	DRYER ROOM 101	GREENHECK	AX-80-275-0929	DF	21,500	2.44	17	20	480	3	32.38	A	DIRECT	PLEATED	2	INTERNAL	800	5B, 6
WF-101	DRYER ROOM 101	GREENHECK	AER-36-03-610-VG	WF	13,000	1	3.5	7.5	480	3	36.125	P	DIRECT	---	---	INTERNAL	250	1,2,3,4,5A
WF-102	DRYER ROOM 101	GREENHECK	AER-36-03-610-VG	WF	13,000	1	4	7.5	480	3	36.125	P	DIRECT	---	---	INTERNAL	250	1,2,3,4,5A
WF-103	DRYER ROOM 101	GREENHECK	AER-36-03-610-VG	WF	13,000	1	4	7.5	480	3	36.125	P	DIRECT	---	---	INTERNAL	250	1,2,3,4,5A
WF-104	DRYER ROOM 101	GREENHECK	AER-36-03-610-VG	WF	13,000	1	4	7.5	480	3	36.125	P	DIRECT	---	---	INTERNAL	250	1,2,3,4,5A
WF-201	BOILER ROOM 102	GREENHECK	AER-42-03-0613	WF	21,500	0.76	5.2	7.5	480	3	42.25	P	DIRECT	PLEATED	2	INTERNAL	400	1,2,3,4,5A
WF-202	BOILER ROOM 102	GREENHECK	AER-42-03-0613	WF	21,500	0.875	5.8	7.5	480	3	42.25	P	DIRECT	---	---	INTERNAL	400	2,3,4,5A
WF-203	BOILER ROOM 102	GREENHECK	AER-42-03-0613	WF	21,500	0.875	5.8	7.5	480	3	42.25	P	DIRECT	---	---	INTERNAL	400	2,3,4,5A

HEATER SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	TYPE	UNIT ORIENTATION	EAT (F)	EWT (F)	AIR FLOW (CFM)	AIR PD (IN WC)	OUTPUT CAPACITY (MBH)	OUTPUT CAPACITY (KW)	WATER FLOW (GPM)	WATER PD (FT)	MOTOR HP	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	APPROX WEIGHT (LBS)	NOTES
EUH-201	BOILER ROOM 102	INDEECO	UHIR SERIES	EUH	SURFACE MOUNT	60	---	650	---	---	7.5	---	---	---	480	3	40	1
EUH-202	BOILER ROOM 102	INDEECO	UHIR SERIES	EUH	SURFACE MOUNT	60	---	650	---	---	7.5	---	---	---	480	3	40	1
EUH-301	ELECTRICAL ROOM 103	INDEECO	UHIR SERIES	EUH	SURFACE MOUNT	60	---	650	---	---	7.5	---	---	---	480	3	40	1
GUH-101	DRYER ROOM 101	MODINE	HDS-75	GUH	SURFACE MOUNT	60	---	1,160	---	61.5	---	---	---	1/12	480	3	80	2
GUH-102	DRYER ROOM 101	MODINE	HDS-75	GUH	SURFACE MOUNT	60	---	1,160	---	61.5	---	---	---	1/12	480	3	80	2
GUH-103	DRYER ROOM 101	MODINE	HDS-75	GUH	SURFACE MOUNT	60	---	1,160	---	61.5	---	---	---	1/12	480	3	80	2
GUH-104	DRYER ROOM 101	MODINE	HDS-75	GUH	SURFACE MOUNT	60	---	1,160	---	61.5	---	---	---	1/12	480	3	80	2
GUH-105	DRYER ROOM 101	MODINE	HDS-75	GUH	SURFACE MOUNT	60	---	1,160	---	61.5	---	---	---	1/12	480	3	80	2
GUH-106	DRYER ROOM 101	MODINE	HDS-75	GUH	SURFACE MOUNT	60	---	1,160	---	61.5	---	---	---	1/12	480	3	80	2
GUH-107	DRYER ROOM 101	MODINE	HDS-75	GUH	SURFACE MOUNT	60	---	1,160	---	61.5	---	---	---	1/12	480	3	80	2
WH-401	RESTROOM 104	BRASCH	932 SERIES	WH	SURFACE MOUNT	60	---	160	---	---	1.5	---	---	---	120	1	24	---
WH-501	OFFICE 105	BRASCH	932 SERIES	WH	SURFACE MOUNT	60	---	160	---	---	1.5	---	---	---	120	1	24	---

PACKAGED AIR CONDITIONING UNIT SCHEDULE

UNIT NUMBER	LOCATION	MANUFACTURER	MODEL	INDOOR FAN AIRFLOW (CFM)	INDOOR FAN ESP (IN WG)	INDOOR FAN MOTOR HP	INDOOR FAN DRIVE	POWER SUPPLY VOLTS	POWER SUPPLY PHASE	MINIMUM CIRCUIT AMPACITY (AMPS)	COOLING EAT (FDB)	COOLING EAT (FWB)	COOLING CAPACITY (MBH) SENSIBLE	COOLING CAPACITY (MBH) TOTAL	COOLING MIN CAPACITY STAGES	HEATING EAT	HEATING TYPE	HEATING CAPACITY (BTUH OR (KW))	HEATING MINIMUM HEAT STAGES	SUPPLY AIR DISCHARGE DIRECTION TOP DISCHARGE	RETURN AIR DIRECTION BOTTOM RETURN	ARI MINIMUM EFFICIENCY	OA (CFM)	FILTER DATA TYPE	FILTER DATA THICKNESS (IN)	ECONOMIZER DATA TYPE	ECONOMIZER DATA CONTROLS	APPROX WEIGHT (LBS)	NOTES
PAC-301	ELECTRICAL ROOM 301	BARD	W180BPT	5,400	0.35	1.2	DIRECT	480	3	58	80	63.4	125	131	3	---	---	---	---	VERTICAL	VERTICAL	10.0 EER	200	PLEATED	2	BAROMETRIC RELIEF	DIFFERENTIAL ENTHALPY	2,700	1,2,3

DRYER BUILDING SCHEDULE NOTES

AIR DEVICE SCHEDULE:
NOTES:
1. SEE DRAWINGS FOR DEVICE LENGTH, WIDTH, AND SUPPLY PATTERN
2. ALL DIFFUSER CORE STYLES ARE 4-WAY UNLESS OTHERWISE INDICATED ON THE PLAN
3. PROVIDE WITH AIR EXTRACTOR

FAN COIL SCHEDULE:
NOTES:
1. WALL-MOUNTED LCD TEMPERATURE CONTROLLER

FAN SCHEDULE:
FAN TYPE ABBREVIATIONS:
CF - CABINET FAN
DF - DUCT FAN
WF - WALL FAN

WHEEL TYPE ABBREVIATIONS:
C - CENTRIFUGAL
P - PROPELLER
A-AXIAL
NOTES:
1. TYPE A OR TYPE B SPARK RESISTANT CONSTRUCTION
2. EXTERIOR WALL HOOD
3. LINE VOLTAGE 2-POSITION DAMPER WITH GROOVE OPEN END SWITCH
4. WALL MOUNTING KIT
5. CONSTRUCTION A) ALUMINUM FAN BLADES B) STEEL FAN BLADES
6. VARIABLE FREQUENCY DRIVE

HEATER SCHEDULE:
TYPE ABBREVIATIONS:
GUH - GAS UNIT HEATER
WH - WALL HEATER
EUH - ELECTRIC UNIT HEATER

NOTES:
1. SURFACE WALL MOUNTING KIT
2. PROVIDE UNIT WITH FISHER TYPE S-100 GAS PRESSURE REGULATOR ACCESSORY

MAKEUP AIR UNIT SCHEDULE:
CAPACITY NOTE: CAPACITIES LISTED IN PARENTHESES ARE IN UNITS OF "KW". CAPACITIES LISTED WITHOUT PARENTHESES ARE IN UNITS OF "BTUH".

HEATING TYPE ABBREVIATIONS:
DF - DIRECT FIRED
SC - SEPARATED COMBUSTION

NOTES:
1. FILTER VELOCITY SHALL NOT EXCEED 350 FEET PER MINUTE
2. EXTERIOR PAD-MOUNTED
3. INTERIOR PAD-MOUNTED
4. VARIABLE FREQUENCY DRIVE
5. EBTRON AIR FLOW MONITORING STATION

ROOF HOOD SCHEDULE:
NOTES:
1. PROVIDE UNIT WITH DAMPER TRAY FOR MOTORIZED ISOLATION DAMPER
2. PROVIDE UNIT WITH 13" ROOF CURB TO MATCH ROOF PITCH.

HEAT PUMP SCHEDULE:
OUTDOOR COIL ENTERING AIR TEMPERATURE:
COOLING - 95°F DESIGN / 10°F MIN
HEATING - 10°F (HEAT PUMP)

NOTES:
1. PROVIDE UNIT WITH EXTERIOR, WALL-MOUNTING KIT FOR MOUNTING TO BUILDING BRICK KNEE WALL.
2. C/W BASEPAN HEATER

PACKAGED AIR CONDITIONING UNIT SCHEDULE:
CAPACITY NOTE: CAPACITIES LISTED IN PARENTHESES ARE IN UNITS OF "KW". CAPACITIES LISTED WITHOUT PARENTHESES ARE IN UNITS OF "BTUH".

OUTDOOR COIL ENTERING AIR TEMPERATURE:
COOLING - 105°F DESIGN/ 0°F MIN

NOTES:
1. PACKAGED EXTERIOR WALL-MOUNT
2. HOT GAS REHEAT COIL FOR HUMIDITY CONTROL
3. COIL COATINGS

1"
ONE INCH AT FULL SIZE IF NOT ONE INCH SCALE ACCORDINGLY

REVISION	DATE

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STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 22348 CHRISTOPHER CHARLES HOWARD 08/30/2024

HAWKINS WEIR ENGINEERS, INC
BLACK & VEATCH

ROGERS, ARKANSAS
ROGERS POLLUTION CONTROL FACILITY (PCF)
SOLIDS HANDLING IMPROVEMENTS, PHASE II

DRYER BUILDING
HVAC SCHEDULES

FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024
SCALE: NONE
DESIGNED BY: APC
DRAWN BY: RLG
HWEI NO.: 2020043
FILENAME:

SHEET NO.
HA-09

8/27/2024 9:30:32 AM / RLG / DRYER BUILDING
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