



DIFFUSER, REGISTER, AND GRILLE SCHEDULE

PLAN TAG	D-1	D-2	LD-1	R-1	G-1	G-2	G-3	E-1	E-2
MANUFACTURER	KRUEGER	KRUEGER	KRUEGER	KRUEGER	KRUEGER	KRUEGER	KRUEGER	KRUEGER	KRUEGER
MODEL NUMBER	PLQ	PLQ	1800	880	6490	S80P	1380P	56490	S580P
FUNCTION	SUPPLY	SUPPLY	SUPPLY	SUPPLY	RETURN	RETURN	RETURN	EXHAUST	EXHAUST
DESCRIPTION	DIFFUSER	DIFFUSER	LINEAR	REGISTER	GRILLE	GRILLE	GRILLE	GRILLE	GRILLE
DEFLECTION	4-WAY	4-WAY	15'	2-WAY	-	-	-	-	-
MAX SP (IN WG)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
CONSTRUCT MATERIAL	STEEL	STEEL	ALUMINUM	STEEL	STEEL	STEEL	STEEL	ALUMINUM	ALUMINUM
FINISH	WHITE	SEE ARCH	SEE ARCH	SEE ARCH	SEE ARCH	SEE ARCH	SEE ARCH	SEE ARCH	SEE ARCH
NECK SIZE (IN)	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES	VARIES
FACE SIZE (LxW)(IN)	24x24	12x12	SEE PLANS	SEE PLANS	24x24	SEE PLANS	SEE PLANS	24x24	SEE PLANS
MOUNTING	LAY-IN	SURFACE	SURFACE	SURFACE	LAY-IN	SURFACE	SURFACE	LAY-IN	SURFACE
FRAME	23	23	M	22	23	22	22	23	22
ACCESSORIES	OBD	OBD	OBD	OBD	-	-	-	-	-
REMARKS	(1,2,4,5)	(1,2,4,5)	(1,2,3,4,5)	(1,2,4,5)	(1,2,4,5)	(1,2,4,5)	(1,2,4,5)	(1,2,4,5)	(1,2,4,5)

- REMARKS:
- 1) CONTRACTOR SHALL VERIFY MOUNTING, FINISH AND SURFACE CONSTRUCTION PRIOR TO FURNISHING MATERIALS.
 - 2) NC SHALL BE LESS THAN 20 ON DIFFUSERS, REGISTERS, AND GRILLES LOCATED IN OCCUPIED SPACES.
 - 3) BLANK OFF LINEAR NOT CONNECTED TO DUCTWORK.
 - 4) REFER TO PLANS FOR QUANTITIES OF DIFFUSERS, REGISTERS, AND GRILLES.
 - 5) MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE PAINTING CONTRACTOR FOR THE DIFFUSERS, REGISTERS, AND GRILLES THAT NEED TO BE FIELD PAINTED BEFORE THEY ARE INSTALLED. ALSO COORDINATE WITH INTERIOR DESIGNER.

PUMP SCHEDULE

PLAN TAG	P-1	P-2	P-3	P-4	P-5
MANUFACTURER	TACO	TACO	TACO	TACO	TACO
MODEL NUMBER	KV2510	KV2510	KV2510	KV2510	KV2510
LOCATION	MECH	MECH	MECH	MECH	MECH
SERVES	-	-	-	-	-
TYPE	VERTICAL	VERTICAL	VERTICAL	VERTICAL	VERTICAL
MAX OPERATING WEIGHT (LBS)	-	-	-	-	-
FLUID	WATER	WATER	20% GLYCOL	20% GLYCOL	40% GLYCOL
REMARKS	1, 2	1, 2	1, 2, 3	1, 2, 3	1, 2, 4
FLOW (GPM)	280	280	280	280	50
FLUID PD (FT HEAD)	110	110	130	130	70
SHUT-OFF PD (FT HEAD)	-	-	-	-	-
RPM	1750	1750	1750	1750	1750
NPSH (FT HEAD)	10.11	10.11	9.73	9.73	3.63
SUCTION SIZE (IN DIA)	-	-	-	-	-
DISCHARGE SIZE (IN DIA)	-	-	-	-	-
MAX IMPELLER DIA (IN)	12.1	12.1	10.1	10.1	9.6
HP (W)	20	20	20	20	2
VOLTS	460	460	460	460	460
PHASE	3	3	3	3	3
TYPE	-	-	-	-	-
CONTROL DEVICE	VFD-1	VFD-2	VFD-3	VFD-4	5

- REMARKS:
- 1) PROVIDE WITH CAST IRON CASING, BRONZE IMPELLER, AND CARBON STEEL SHAFT.
 - 2) PROVIDE MOTOR SUITABLE FOR VFD.
 - 3) PROVIDE SELECTED WITH 20% PROPYLENE GLYCOL MIXTURE.
 - 4) PROVIDE SELECTED WITH 40% PROPYLENE GLYCOL MIXTURE.
 - 5) INTERLOCK WITH ERV-1.

UNIT HEATER (HOT WATER)

PLAN TAG	UH-1
MANUFACTURER	STERLING
MODEL NUMBER	HS-24
MAXIMUM SIZE (LxWxH)(IN.)	18 x 9 x 16
LOCATION	RM 100
TYPE	HORIZONTAL
SUPPLY RUNOUT SIZE	3/8
RETURN RUNOUT SIZE	3/8
REMARKS	-
AIRFLOW (CFM)	450
RPM	1550
MOTOR (W)	(16)
VOLTS	115
PHASE	1
HERTZ	60
TOTAL CAPACITY (MBH)	13
EAT °F DB	60
GPM	2.0
EWT	180
LWT	150
MAX WATER PD	0.02

VARIABLE FREQUENCY DRIVE SCHEDULE

PLAN TAG	VFD-1	VFD-2	VFD-3	VFD-4
MANUFACTURER	YASKAWA	YASKAWA	YASKAWA	YASKAWA
MODEL NUMBER	40111A	40111A	40111A	40111A
SERVES	P-1	P-2	P-3	P-4
LOCATION	MECH	MECH	MECH	MECH
TYPE	-	-	-	-
OVERALL SIZE (WxHxD)(IN)	6X12X8	6X12X8	6X12X8	6X12X8
REMARKS	-	-	-	-
HP (W)	20	20	20	20
VOLTS	460	460	460	460
PHASE	3	3	3	3
AMPS	27.0	27.0	27.0	27.0

KITCHEN HOOD SCHEDULE

PLAN TAG	KH-1
MANUFACTURER	GREENHECK
MODEL NUMBER	GHEW
SERVES	KITCHEN
REMARKS	1, 2, 3, 4, 5
VOLUME (CFM)	4000
SP (IN WG)	0.26
VELOCITY (FPM)	-
VOLUME (CFM)	6000
SP (IN WG)	0.7
VELOCITY (FPM)	1600
FACE VELOCITY (FPM)	300
HEIGHT (IN)	20
NO OF FILTERS	12

- NOTES:
1. 2 SECTIONS EACH 120"Lx51"Wx24"H, WITH TWO (2) 4FT FLUORESCENT LIGHTS, DUCT FLANGES, GREASE CUP, ALUMINUM FILTERS, CONTINUOUS CAPTURE, NO INTEGRAL 3" AIR SPACE, BACK SUPPLY PLENUM (120" 1X8"Wx46"H) , DRAIN ON RIGHT SIDE, SECTION WEIGHT 370LB.
 2. 10" HIGH CEILING ENCLOSURES ON LEFT, FRONT AND RIGHT.
 3. FIRE SUPPRESSION SYSTEM MOUNTED IN UTILITY CABINET 24" HEIGHT, 51" LONG 12" WIDE ON LEFT SIDE OF HOOD, MOUNT FAN AND LIGHT SWITCH ON CABINET.
 4. 430SS WHERE EXPOSED, UL F10 LISTED WITHOUT EXHAUST FIRE DAMPER, INCLUDE PERFORMANCE ENHANCING LIP TECHNOLOGY
 5. PROVIDE LIGHT AND EXHAUST FAN SWITCHES ON THE SIDE OF THE FIRE SUPPRESSION CABINET, INTERLOCK FAN SWITCH WITH KEF-1 AND MAU-1.

HEAT EXCHANGER SCHEDULE (PLATE AND FRAME)

PLAN TAG	HX-1
MANUFACTURER	PLATE CONCEPTS
MODEL NUMBER	MPK03P100-60
LOCATION	MECH
SERVES	ERU-1
CAPACITY (MBH)	231.4
OPERATING WEIGHT (LBS)	900
MAXIMUM SIZE (WxHxD)(IN)	16 x 51 x 18
REMARKS	-
FLUID	WATER
GPM	50
EWT (°F)	45
LWT (°F)	55
WATER PD (FT HEAD)	4 PSI
FLUID	40% GLYCOL
GPM	50
EWT (°F)	57
LWT (°F)	47
WATER PD (FT HEAD)	4 PSI

HEAT PUMP (WATER SOURCE)

PLAN TAG	WHP-1	WHP-2	WHP-3	WHP-4
MANUFACTURER	FHP	FHP	FHP	FHP
MODEL NUMBER	WW420	WW420	WW420	WW420
MAXIMUM SIZE (WxHxD)(IN)	28 x 64 x 46	28 x 64 x 46	28 x 64 x 46	28 x 64 x 46
LOCATION	MECH	MECH	MECH	MECH
SERVES	-	-	-	-
TYPE	-	-	-	-
OPERATING WEIGHT (LBS)	1600	1600	1600	1600
SUPPLY RUNOUT SIZE (IN DIA)	2"	2"	2"	2"
RETURN RUNOUT SIZE (IN DIA)	2"	2"	2"	2"
REMARKS	1	1	1	1
COMPRESSOR RLA	26.4	26.4	26.4	26.4
COMPRESSOR LRA	187.0	187.0	187.0	187.0
VOLTS	480	480	480	480
PHASE	3	3	3	3
MCA	59.4	59.4	59.4	59.4
MAX FUSE	80	80	80	80
EWT/LWT LOAD FLUID (°F)	45/57	45/57	45/57	45/57
LOAD FLUID FLOW (GPM)	68	68	68	68
EWT/LWT SOURCE FLUID (°F)	85/115	85/115	85/115	85/115
SOURCE FLUID FLOW (GPM)	68	68	68	68
TOTAL CAPACITY (MBTUH)	340.38	340.38	340.38	340.38
POWER INPUT (KW)	24.1	24.1	24.1	24.1
EER	14.14	14.14	14.14	14.14
EWT/LWT LOAD FLUID (°F)	115/	115/	115/	115/
LOAD FLUID FLOW (GPM)	68	68	68	68
EWT/LWT SOURCE FLUID (°F)	35/	35/	35/	35/
SOURCE FLUID FLOW (GPM)	68	68	68	68
TOTAL CAPACITY (MBTUH)	321.01	321.01	321.01	321.01
POWER INPUT (KW)	31.78	31.78	31.78	31.78
COP	2.96	2.96	2.96	2.96

- REMARKS:
- 1) UNITS ARE COMPLETE PACKAGES FEATURING 2 STAGE OPERATION AND CONTAINING REFRIGERATION COMPRESSORS, REVERSING VALVES, EXPANSION VALVE METERING DEVICES AND WATER TO REFRIGERANT HEAT EXCHANGER, INCLUDING SAFETY CONTROLS, OVERLOAD PROTECTION FOR COMPRESSORS, HIGH AND LOW REFRIGERANT PRESSURE SWITCHES AND A LOCK-OUT CONTROL CIRCUIT.

EXPANSION TANK SCHEDULE

PLAN TAG	ET-1	ET-2	ET-3
MANUFACTURER	AMTROL	AMTROL	AMTROL
MODEL NUMBER	AX-15	200-L	AX-15
LOCATION	MECH	MECH	MECH
SERVES	BUILDING LOOP	LOOP FIELD	ERU-1
TYPE	BLADDER	BLADDER	BLADDER
CONFIGURATION	VERTICAL	VERTICAL	VERTICAL
OPERATING WEIGHT (LBS)	-	-	-
MAX SIZE (DIAxL)(IN)	12x20	24x37	12x20
MIN ACCEPTANCE VOL (GAL)	2.4	2.4	2.4
PRV SETTING (Psig)	-	-	-
RV SETTING (Psig)	60	60	60
MIN SYSTEM TEMP (°F)	40	40	40
MAX SYSTEM TEMP (°F)	120	120	120
FILL CONNECTION SIZE (IN)	-	-	-
SYSTEM CONNECTION SIZE (IN)	1/2	1	1/2
REMARKS	1	2	1

- NOTES:
1. 29.1 GALLON TANK VOLUME. BLADDER TYPE UNIT. VERTICAL, FLOOR MOUNTED.
 2. 53 GALLON TANK VOLUME. BLADDER TYPE UNIT. VERTICAL, FLOOR MOUNTED.

NO.	DESCRIPTION	DATE