AIR INLET AND OUTLET SCHEDULE

ARCH. CLG. TYPE	TYPE	DESCRIPTION	APPLICATION	MANUF.	MODEL NO.	SECURITY ACCESS.	REMARKS	SIZE NOTE
A	(A)	SUPPLY DIFFUSER	SECURE CEILING	TITUS	TD-24/24 PANEL	MINIMUM	ATTACH TO SECURE CEILING - SEE DETAIL	[1]
1, 6, 7	(A)	SUPPLY DIFFUSER	LAY-IN CEILING	TITUS	TD-24/24 PANEL	NONE		[1]
5	(A)	SUPPLY DIFFUSER	SECURE CEILING	TITUS	TD-24/24 PANEL	MINIMUM	ATTACH TO SECURE CEILING - SEE TYPICAL DETAIL REVISE DUCT TO SUPPLY TYPE	[1]
1 & 7	(B)	RETURN/EXHAUST GRILLE	LAY-IN CEILING	TITUS	50F (& 24x24 PANEL	NONE		[1]
-	(D)	SUPPLY/RETURN/EXHAUST GRILLE	SECURE WALL	TITUS	50-FR	MAXIMUM	ATTACH TO WALL - SEE DETAIL	[1]
-	(D)	TRANSFER GRILLE BELOW SLD.	SECURE WALL	TITUS	50-FR	MAXIMUM	ATTACH TO WALL BELOW CEILING - SEE DETAIL	[1]
-	(D)	DUCT & TRANSFER OPENING ABV. SLD.	SECURE WALL	TITUS	SLEEVE W/50F	MAXIMUM	ATTACH TO WALL ABOVE CEILING - SEE DETAIL	[1]
-	(E)	DUCT WALL PENETRATION	SECURE WALL	TITUS	SLEEVE W/50F	MAXIMUM	DUCT SIZE NOTED ON PLANS SLEEVE NOTED IN WALL	[1]
1, 5, 6, 12	(F)	RETURN / EXHAUST GRILLE	CLG. OR EXPOSED	TITUS	350RL	NONE		[2]
-	(F)	SUPPLY DRUM LOUVER	EXPOSED DUCT OR SOFFIT	TITUS	DL - SLEEVE W/50F	MAXIMUM	SECURE DUCT TO STRUCTURE DETAIL SIZE NOTED ON PLANS	[1]
-	(F)	SUPPLY REGISTER	WALL	TITUS	350 RL	NONE	SIZE NOTED ON PLANS	
12, 13	(F)	SUPPLY DIFFUSER	SECURE CEILING	TITUS	50-TDC	MINIMUM	ATTACH TO FRAME IN GYPSUM CEILING	[1]
-	(F)	SUPPLY DIFFUSER	EXPOSED IN RM.	TITUS	TDC	NONE	EXPOSED IN ROOM	
10	(F)	RETURN / EXHAUST GRILLE	GYPSUM SECURITY	TITUS	50-350R	MINIMUM	INSTALL SLEEVE AT CEILING	[2]
-	(F)	RETURN GRILLE	WALL	TITUS	50-350R	MINIMUM	SIZE NOTED ON PLANS	

[1] NECK SIZES TO MANUFACTURERS STANDARD BASED ON MAXIMUM VELOCITY OF 500 FPM (EOM PATTERN) 4-WAY UNLESS NOTED OTHERWISE.

NECK SIZE	CFM
6"	100
8"	175
10"	275
12"	400
14"	550
16"	700
18"	900
20"	1100
22"	1350
24"	1600

[2] COLLAR OR NECK SIZE BASED ON 400FPM VELOCITY 0.1" S.P. MAX. P.D. SIZE NOTED ON PLAN.

[3] NECK SIZES TO MANUFACTURERS STANDARD BASED ON MAXIMUM VELOCITY OF 500 FPM AND 0.10" MAX. P.D.

NECK SIZE	CFM
6"	100
8"	175
10"	275
12"	400
14"	550
16"	700
18"	900
20"	1100
22"	1350
24"	1600

[4] NECK SIZE SAME AS NOTE [3] WHERE INSTALLED IN DRYWALL CEILING (NON-SECURITY) PANEL IS NOT REQUIRED. 24x24 PANEL USED IN TYPE [A] AND [B] (NON-SECURITY) 24x24 CEILINGS.

[5] NECK SIZE SAME AS NOTE [3] UNLESS SIZE IS NOTED ON PLANS. INSTALL IN GYPWALL CEILING SECURITY TYPE WITH FINISHING SLEEVE. SEE DETAIL DWG. M3.01

OUTSIDE AIR INTAKE SCHEDULE

PLAN MARK	MANUFACTURER & MODEL	LOCATION & SERVICE	AIR QTY. CFM	VEL. FPM	APD. IN. W.C.	THROAT SIZE W x L	HOOD SIZE	WEIGHT	NOTES
OA-01	GREENHECK PAWA	BLDG "D" - PIPE CHASE	3000	500	0.07	24x30	42x48	800	

[1] PROVIDE 1" ALUMINUM MESH FILTERS IN INTAKE AND MOTORIZED DAMPER - SEE CONTROL DRAWINGS.

PUMP SCHEDULE

PLAN MARK	MANUFACTURER & MODEL	LOCATION & SERVICE	GPM	HD.	RPM	HP.	VOLTS /PH.	NOTES
P-1	B & G SERIES 1510-2 1/2 BB	MECH. ROOM - HOT WATER	165.5	70.0	1750	7 1/2	460/3/60	
P-2	B & G SERIES 1510-2 1/2 BB	MECH. ROOM - HOT WATER	165.5	70.0	1750	7 1/2	460/3/60	
P-3	B & G SERIES 1510-2 1/2 BB	MECH. ROOM - HOT WATER	165.5	70.0	1750	7 1/2	460/3/60	

GRAVITY RELIEF VENTILATOR SCHEDULE

PLAN MARK	MANUFACTURER & MODEL	LOCATION & SERVICE	AIR QTY. CFM	VEL. FPM	APD. IN. W.C.	THROAT SIZE W x L	HOOD SIZE	WEIGHT	NOTES
GV-01	GREENHECK PAWA	BLDG "D" - RELIEF	6600	533	0.76	28x72	44x80	450	
		DAMPER TYP. TO GV							

EXPANSION TANK SCHEDULE

PLAN MARK	MANUFACTURER & MODEL	LOCATION & SERVICE	SIZE DIA. X L	CAP. GAL.	FILL PSIG	RELIEF PSIG	MAX PSIG	NOTES
ET-1	B & G D-600	MECH. ROOM - HOT WATER	16 1/4 x 39	44.4	20	60	90	

HEATING WATER BOILER SCHEDULE

PLAN MARK	MANUFACTURER & MODEL	INPUT MBH	OUTPUT MBH	FUEL	BURNER	90% EFF. NOTES [1]	EWT °F	LWT °F	RELIEF VALVE PSIG	VOLTS/PH	NOTES
B-1	BRYAN CL-2700	2700	2160	N. GAS	1	--	175	200	100	460/3	1,2,3
B-2	BRYAN CL-2700	2700	2160	N. GAS	1	--	175	200	100	460/3	1,2,3
B-3	BRYAN CL-2700	2700	2160	N. GAS	1	--	175	200	100	460/3	1,2,3

1. REQUIRES GAS PRESSURE 7" WKL 14" MAX.
2. 2"DIA TRAN. SEE PLAN FOR CONNECTION LOCATION.
3. VENT TRAN TO ATMOSPHERE PER MANUFACTURERS RECOMMENDATIONS.

ELECTRIC DUCT HEATER SCHEDULE

PLAN MARK	MANUF.	MODEL NUMBER	CFM	DUCT SIZE	ENT. AIR TEMP.	LVG. a.f. TEMP.	CAP. BTU/HR	KW	STAGES	ELECT. VOLT/PH.	NOTES
EDH-01	INDECO	SVA	315	10x10	60	100	13652	4.0	3	277/1	SLIP-IN W/ CONTROL PANEL & DISCONNECT
EDH-02	INDECO	SVA	350	14x10	60	88.7	17065	5.0	4	277/1	SLIP-IN W/ CONTROL PANEL & DISCONNECT
EDH-03	INDECO	SVA	405	14x10	60	89.1	17065	5.0	4	277/1	SLIP-IN W/ CONTROL PANEL & DISCONNECT
~~EDH-04~~	~~INDECO~~	~~SVA~~	~~315~~	~~12x8~~	~~60~~	~~90.0~~	~~13652~~	~~4.0~~	~~3~~	~~277/1~~	~~SLIP-IN W/ CONTROL PANEL & DISCONNECT~~
EDH-05	INDECO	SVA	405	14x10	60	100.8	17065	5.0	4	277/1	SLIP-IN W/ CONTROL PANEL & DISCONNECT
EDH-06	INDECO	SVA	100	8x6	60	83.6	3550	.70	1	277/1	SLIP-IN W/ CONTROL PANEL & DISCONNECT
~~EDH-07~~	~~INDECO~~	~~SVA~~	~~810~~	~~14x10~~	~~60~~	~~108.9~~	~~27304~~	~~8.0~~	~~2~~	~~480/3~~	~~SLIP-IN W/ CONTROL PANEL & DISCONNECT~~

Delete → Revised 12-3-14

MAKE UP AIR UNIT SCHEDULE (MU) OR GAS FIRED HEATING AND VENT UNIT (H)

MARK	MANUFACTURER AND MODEL NO.	SERVICE	FAN DATA				GAS FURNACE		FILTERS	NOTES
			CFM SA/OA	EXT. SP.	HP/BHP	ELECT	IN/OUT MBH	ENT/LAT	TYPE	
MU-01	GREENHECK KSU-118	HOOD#1	5030/5030	1.0	3/2.0	460/3	400.0/320.0	5/45	2"THICK THROWAWAY	[1] SF-118 PROVIDED WITH UNIT
MU-02	GREENHECK KSU-112	HOOD#2	3360/3360	1.1	2/1.5	460/3	250.0/199.5	5/45	2"THICK THROWAWAY	[1] SF-112 PROVIDED WITH UNIT
H-E1	ICE GDMH-45	LOUVER EXPOSE TO RM.	2400/2000	0.75/1.55	7.5/5.5	460/3	462.5/450.0	50.3/90.0	41.07 SQ. FT. FARR 30/30	[1]
MU-F1	ICE SM-112	GARAGE	2200/2200	0.30	1/1	460/3	238.0	0/100	2"THICK THROWAWAY	[1]

[1] GAS TRAIN 7-14 INCHES W.C. GAS PRESSURE AT INLET.

INCREMENTAL AIR CONDITIONER SCHEDULE

PLAN MARK	MANUF.	MODEL NO.	FAN DATA		COOLING DATA					ELEC. HTG.		ELEC. DATA		NOTES
			CFM	OA/CFM	DB TEMP.	ENT. AIR TEMP.	SENS. CAP. MBH	TOTAL CAP. MBH	WATTS OR H.P.	KW	MBH CAP.	VOLT	MIN. AMPS	
INC-F-1	McQUAY	EA-009	270	50	95	75/63	6.8	9.3	870	2.7	9.0	277/1	14.2	
INC-G-1	McQUAY	EC-30	700	70	95	76/63	16.8	27.0	3.5HP	4.8	16.4	277/1	17.6	

ELECTRIC HEATER SCHEDULE

MARK	MANUF.	MODEL NUMBER	TYPE	CAP. BTU/HR	KW	ELECT.	AMPS	FAN MOTOR HP	FAN MOTOR CFM	REMARKS
EWH-E1	BERKO	FRC-4027	ARCH. WALL INSERT	13652	4.0	277/1Φ	14.4	--	--	RECESSED WALL MOUNTED
EH-01	BERKO	UCU-1507	INSTITUTIONAL ELECT. CONVECTOR	5120	1.5	277/1Φ	5.4	--	--	MOUNT 6"OFF ON WALL W/ THERMOSTAT
EH-02	BERKO	SPA-1527	WALL HEATER	2560	0.75	277/1Φ	2.7	--	--	MOUNT ABV. C.U. W/ INTERNAL T'STAT & DISC
EDH-01	BERKO	CUH-2-7460-1-00	RECESSED IN CEILING	23904	7.0	460/1Φ	17.1	--	300	CEILING RECESSED W/ SUPPLY & RETURN GRILLE
EUH-E1	BERKO	HUHM-327	UNIT HEATER	10238	3.0	277/1Φ	11.0	--	200	INTERNAL T'STAT WIRED TO UNIT H/O
EH-F1	BERKO	UCU-507	INSTITUTIONAL ELECT. CONVECTOR	1707	0.5	277/1Φ	1.8	--	--	MOUNT 6"OFF ON WALL W/ THERMOSTAT
EH-F2	BERKO	UCU-507	INSTITUTIONAL ELECT. CONVECTOR	1707	0.5	277/1Φ	1.8	--	--	MOUNT 6"OFF ON WALL W/ THERMOSTAT
EH-G1	BERKO	UCU-707	INSTITUTIONAL ELECT. CONVECTOR	1707	0.5	277/1Φ	1.8	--	--	MOUNT 6"OFF ON WALL W/ THERMOSTAT

KEY PLAN

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A NEW
CORRECTIONAL FACILITY FOR WOMEN
WEST VIRGINIA REGIONAL JAIL AND CORRECTIONAL FACILITY AUTHORITY
LAKIN, WEST VIRGINIA

CONSTRUCTION DOCUMENTS

EQUIPMENT SCHEDULES

M4.02