

TAG	STERLING MODEL	STYLE	LENGTH	HEIGHT	DEPTH	MBH	GPM	MAX WPD	PIPE RUNOUT SIZE
CONV-1	RFG-A-20	FULLY RECESSED	24"	20"	4"	1.8	0.5	0.16	1/2"

BASE SIZING ON: 180 AWFT, 40F TEMP DROP.

TAG	COOK MODEL	TYPE	DRIVE	CFM	SP	MAX BHP	MHP	MAX RPM	VOLTS/PH	MAX SONES	WEIGHT (LBS.)	NOTES
EF-1	GC-240	CEILING	DIRECT	100	0.25	65W	1200	115/160	1.5	25	2.8	2.8
EF-2	10 SWD	WALL	DIRECT	400	0.125	0.092	125	1350	115/160	6.4	20	2.6, 7

NOTES:  
1. INTERLOCKED WITH TIME CLOCK  
2. PROVIDE DISCONNECT SWITCH  
3. INTERLOCKED WITH INTAKE AIR MOD AND TSI/AT  
4. PROVIDE MOTOR OPERATED WALL SHUTTER & WIRE GUARD  
5. INTERLOCKED WITH TSI/AT

TAG	MFR. MODEL	SIZE	TYPE	EXPOSED FACE WIDTH	EXPOSED FACE HEIGHT	DEPTH	MBH	CFM	GPM	MOTOR HP	ELECT	MAX WPD	PIPE RUNOUT SIZE	FAT	WTD
CUH-1	STERLING-F1000	3	FLOOR	37"	21"	9 1/2"	22.7	335	2.0	1/15	115/160	0.26	3/4"	122	22.7
CUH-2	STERLING-F1000	2	FLOOR	31"	21"	9 1/2"	16.2	230	1.5	1/15	115/160	0.15	3/4"	125	21.6
UH-1	STERLING-HS-36	14-5/8"	HORIZONTAL	14-5/8"	18"	9-1/8"	23.5	480	2.7	16 WATTS	115/160	0.09	3/4"	103	17

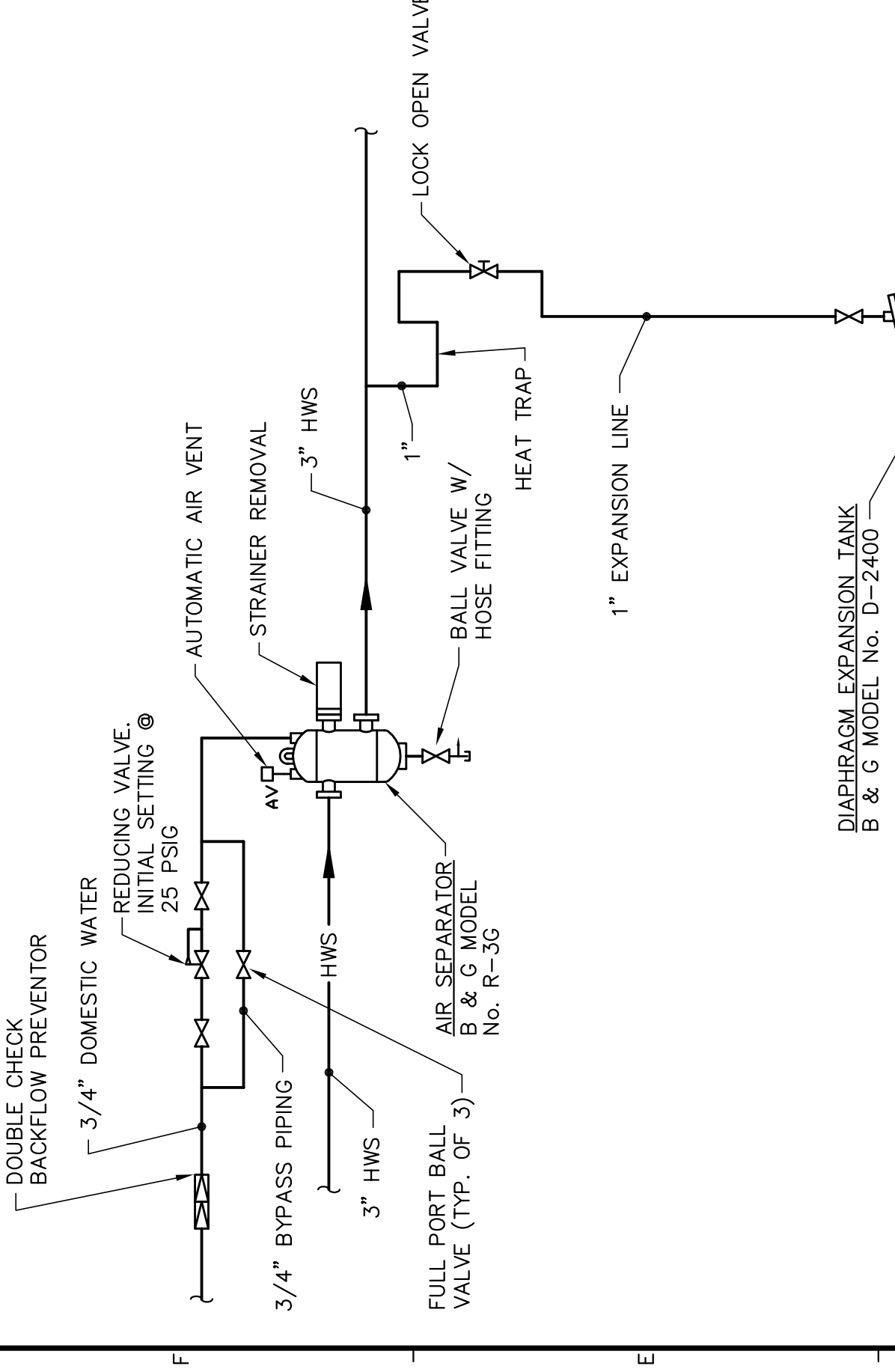
BASED ON: LWT 140 EAT-60

TAG	SERVICES	AIRFLOW (CFM)	WIDTH	HEIGHT	FACE VEL	EDB	LDB	MBH	GPM	APD	EWT	LWT	MAX RUNOUT SIZE
HC1	HRU1	1500	20X14	24	18	82.500	0.2"	83	180	140	5	1-1/4"	1-1/4"
HC2	HRU2	1500	20X12	24	18	82.500	0.2"	83	180	140	5	1-1/4"	1-1/4"

TAG	SERVICES	B & G MODEL	PUMP SERIES	TYPE	GPM	HEAD	RPM	HP	BHP	SIZE	IMPPELLER	SUCT / DISCH	VOLTS/PH	NOTES
P-1	PRIMARY HEATING LOOP	3X3X11	80	INLINE	93.5	52	1150	3	2.15	11	3" x 3"	208/230/360	3	(Lead/Lag)
P-2	PRIMARY HEATING LOOP	3X3X11	80	INLINE	93.5	52	1150	3	2.15	11	3" x 3"	208/230/360	3	(Lead/Lag)
P-3	DOMESTIC HOT WATER	1-1/2X1-1/2	80	INLINE	22	25	1750	0.5	0.38	5.25	1-1/2" x 1-1/2"	208/230/180	2	(Lead/Lag)

TAG	SERVICES	BRANCH DUCT DIMENSION	WIDTH	HEIGHT	FACE VEL	EDB	LDB	MBH	GPM	APD	EWT	LWT	MAX RUNOUT SIZE
HC1	HRU1	20X14	24	18	82.500	0.2"	83	180	140	5	1-1/4"	1-1/4"	1-1/4"
HC2	HRU2	20X12	24	18	82.500	0.2"	83	180	140	5	1-1/4"	1-1/4"	1-1/4"

TAG	SERVICES	AIRFLOW (CFM)	WIDTH	HEIGHT	FACE VEL	EDB	LDB	MBH	GPM	APD	EWT	LWT	MAX RUNOUT SIZE
HC1	HRU1	1500	20X14	24	18	82.500	0.2"	83	180	140	5	1-1/4"	1-1/4"
HC2	HRU2	1500	20X12	24	18	82.500	0.2"	83	180	140	5	1-1/4"	1-1/4"



TAG	LOCATION	MECHANICAL TYPE	B-1	B-2	B-3	B-4	B-5
		MECHANICAL CONDENSING	MECHANICAL CONDENSING	MECHANICAL CONDENSING	MECHANICAL CONDENSING	MECHANICAL CONDENSING	MECHANICAL CONDENSING
		WEIL-MCLAIN	WEIL-MCLAIN	WEIL-MCLAIN	WEIL-MCLAIN	WEIL-MCLAIN	WEIL-MCLAIN
		ULTRA 310	ULTRA 310	ULTRA 310	ULTRA 310	ULTRA 310	ULTRA 310

BTU INPUT MBH: 310, 289, 289, 289  
BTU OUTPUT MBH: 310, 289, 289, 289  
ASME WORKING PRESSURE: 150 PSIG, 150 PSIG, 150 PSIG, 150 PSIG  
ASME DESIGN PRESSURE: 7.5" TO 14", 7.5" TO 14", 7.5" TO 14", 7.5" TO 14"  
GAS CONNECTION: 3/4" NPT, 3/4" NPT, 3/4" NPT, 3/4" NPT  
WATER VOLUME: 2.1 GAL., 2.1 GAL., 2.1 GAL., 2.1 GAL.  
LENGTH: 56", 56", 56", 56"  
WIDTH: 27", 27", 27", 27"  
HEIGHT: 27", 27", 27", 27"  
COMBUSTION AIR INLET DIA: 4" DIA PVC, 4" DIA PVC, 4" DIA PVC, 4" DIA PVC  
VENT CONN. DIA: 4" DIA PVC, 4" DIA PVC, 4" DIA PVC, 4" DIA PVC  
BURNER MOTOR FLA: 115/160, 115/160, 115/160, 115/160  
ELECTRICAL: 115/160, 115/160, 115/160, 115/160

HOOD NO.	MODEL	LENGTH	MAX. COOKING DEPTH	EXHAUST RESERVOIR	SUPPLY PLENUM (SERIES)	HOOD CONFIG.	END TO END	CONSTRUCTION	WHERE EXPOSED		
HO-1	8-18 BND-PPS-F	10' 0.00"	10'	10'	2500	24"	24"	2500-0-48"	2125	430 SS	Where Exposed

NOTES:  
1. ALL MODEL NUMBERS BASED ON CAPTIVE AIR  
2. PROVIDE SS BAFFLE WITH HANDLES  
3. PROVIDE INCANDESCENT LIGHTS  
4. PROVIDE ANSUL R102 FIRE SUPPRESSION SYSTEM  
5. PROVIDE AUTOMATIC SHUT-OFF VALVE  
6. PROVIDE OUTSIDE SWITCH

FAN UNIT NO.	FAN UNIT MODEL #	MODEL	TAG	CFM	H.P.	LVLL	FLA	BLOWER HOUSING	BTU	CFM	S.P.	RPM	H.P.	WVLT	FLA
HEF-1	NCA18FA	HEF-1	2900	-1.0	973	1.0	1	230	7.7						
MADJ-1	NMA41.6-G10	G10	NMA41.6	160	0.59	1225	0.300	998	1.0	1	230	7.7			

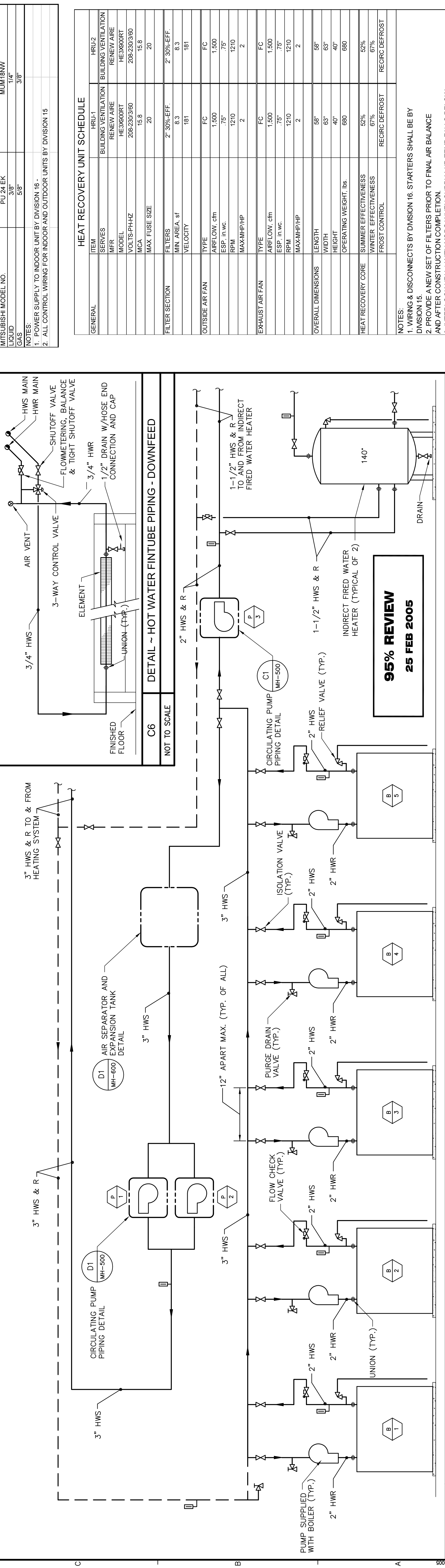
NOTES:  
1. ALL MODEL NUMBERS BASED ON CAPTIVE AIR  
2. MAKE GAS STOP UP TO 1/2" ABOVE HOOD  
3. PROVIDE CEILING CURB  
4. PROVIDE MOTORIZED DAMPER TO SERVE WALL-1

UNIT	SERVICES	REG ROOM	OFFICE
AC1	DINING ROOM	REG ROOM	OFFICE
AC2	WALL	WALL	WALL
AC3	WALL	WALL	WALL

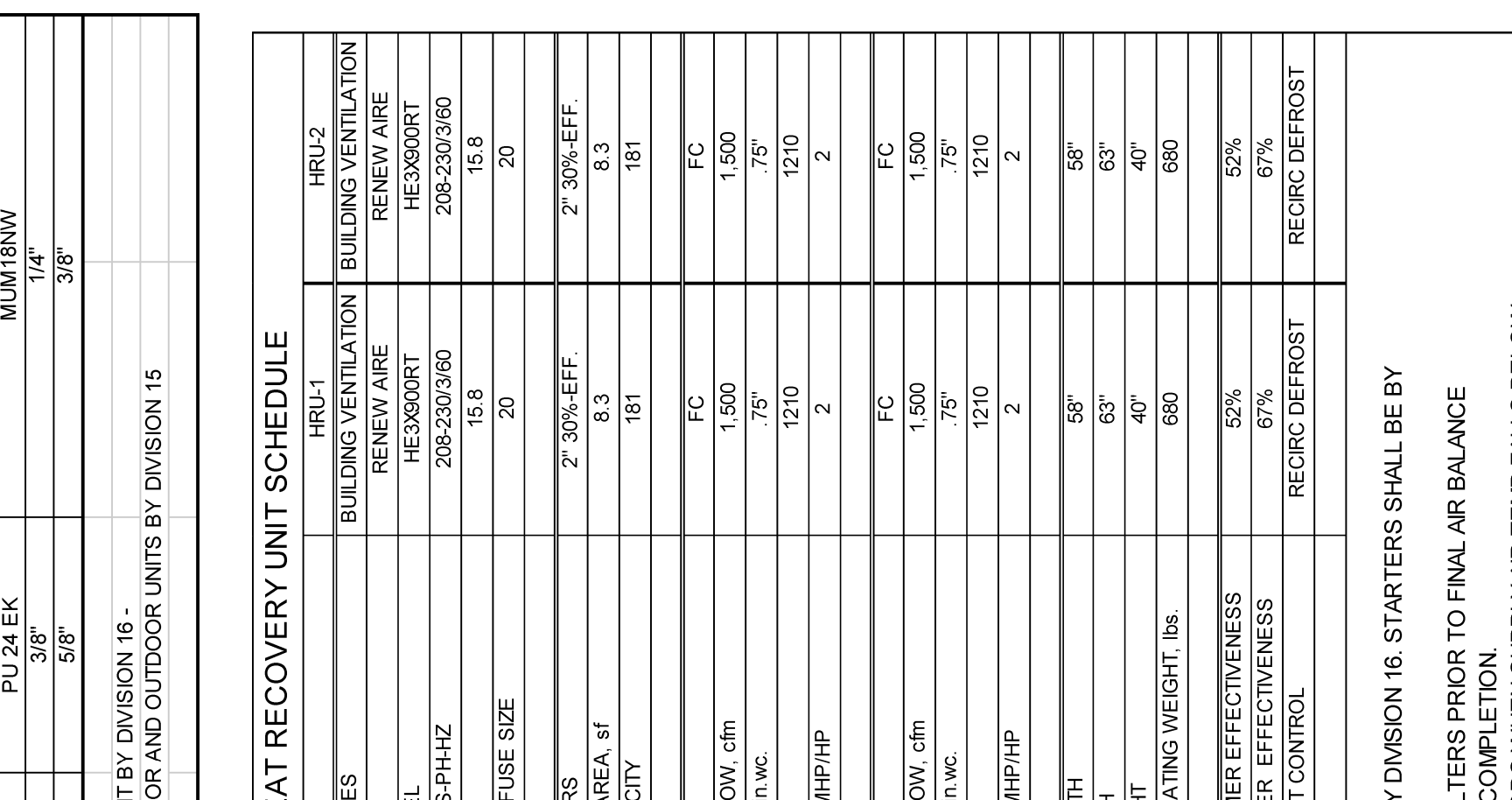
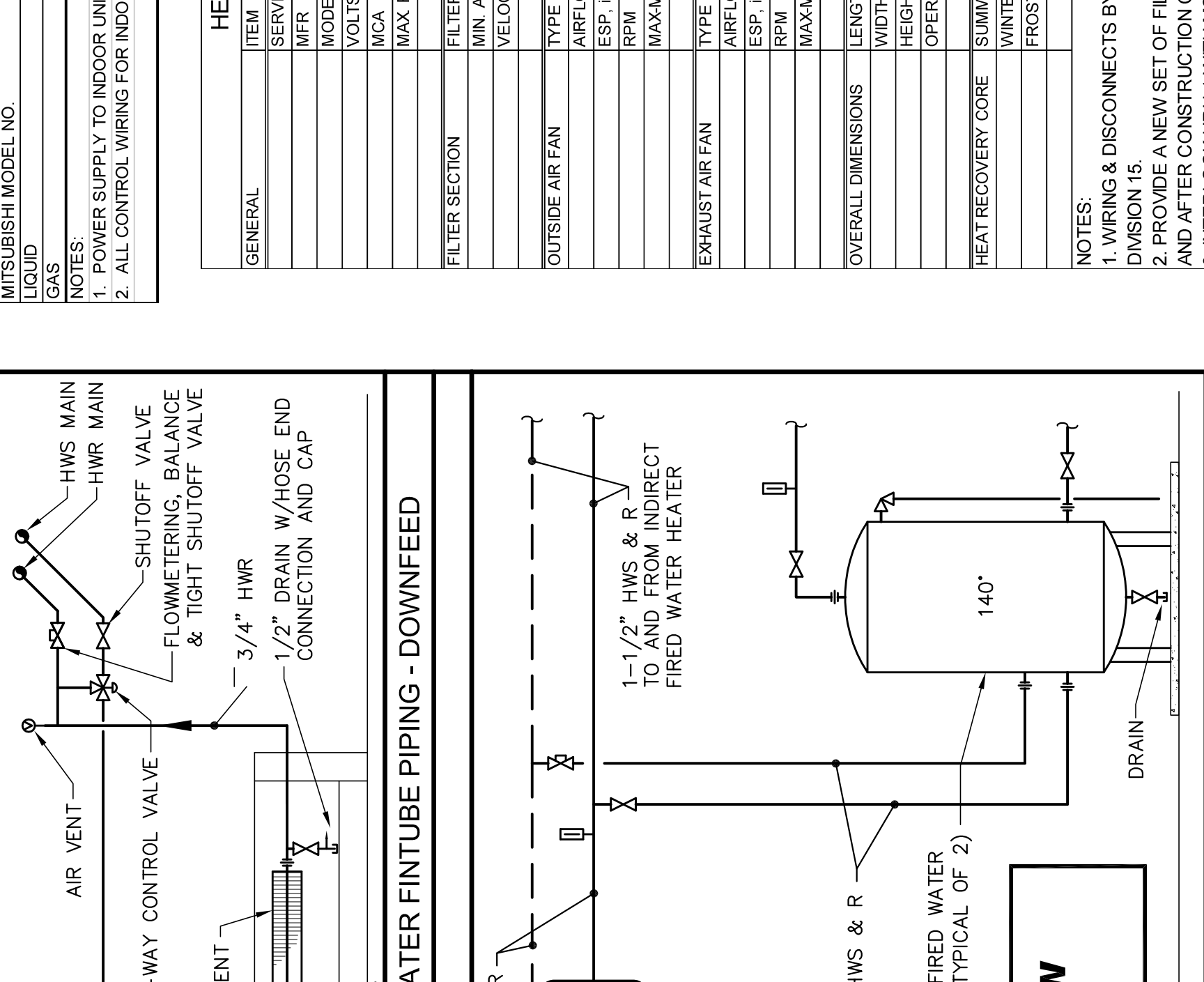
TAG	TITUS MODEL	TYPE	NECK SIZE	FACE SIZE	CFM RANGE	MAX TOTAL PRESSURE DROP	BORDER TYPE	NOTES
S1	TMS	SO. CEILING SUPPLY DIFFUSER	6" DIA	24" X 24"	0-175	0.07"	16	LAY-IN
S2	300RL	DOUBLE DEFLECTION SUPPLY REGISTER	6" DIA	10" X 6"	0-150	0.016"	12	SURFACE MT.
ET	350RL	DOUBLE DEFLECTION RETURN REGISTER	6" DIA	8" X 6"	0-130	0.10"	20	SURFACE MT.

UNIT	SERVICES	REG ROOM	OFFICE
AC1	DINING ROOM	REG ROOM	OFFICE
AC2	WALL	WALL	WALL
AC3	WALL	WALL	WALL

D4: NOT TO SCALE



D4: NOT TO SCALE



A1: NOT TO SCALE

A1: NOT TO SCALE

95% REVIEW  
25 FEB 2005

DETAIL ~ BOILER ROOM PIPING SCHEMATIC

DETAIL ~ MAKE-UP WATER, AIR SEPARATOR, AND EXPANSION TANK