(2)	EXHAUST		Ø6.0	CFM	
(3)	GAS CABINET EXHAUST	—	Ø8.0	400 CFM	104
(4)	SCAV EXHAUST	—	Ø6.0	400 CFM	106
(5)	WATER HEAT EXCH. INLET	40-100 PSI	.75 MPT	6-8 GPM	100.5
(6)	WATER HEAT EXCH. OUTLET	—	.75 MPT	4 GPM	100.5
(7)	MAIN PWR INLET		—	—	75
(8)	N_2	50 PSI MIN	.38 ABW	—	102
(9)					
(10)	O_2	50 PSI MIN	.38 ABW	—	102
(11)					
(12)					
(13)					
(14)					
(15)					
(16)	AIR	70-80 PSI	.38 SWG	—	102
(17)					
(18)					
(19)					
(20)	SEPARATION POINT				
(21)					
(22)					
(23)					
(24)					
(25)					

MINIMUM WALL OPENINGS		
SECTION	HEIGHT	WIDTH
FURNACE	110	52
LOADING ISLAND	98	35
SOURCE CABINET	106	60

ELECTRICAL

MAX TEMPERATURE DEGREES CELSIUS — TUBE NO. 1 1300, 2 1300, 3 1300, 4 1300

MAIN BREAKER

380 VOLTS, 350 AMPERES, 3 POLES, 3 PHASES, 50 HERTZ

142 KILOVOLTS-AMPERES

UPS POWER

380 VOLTS, 10 AMPERES, 1 PHASES, 50 HERTZ

FURNACE CASE MUST BE GROUNDED PER LOCAL CODES.

MAXIMUM LOAD DATA

LINE VOLTAGE	LINE CURRENT-AMPERES BLACK	RED	BLUE	NEUTRAL	TOTAL KV A
380	229	245	175	—	142

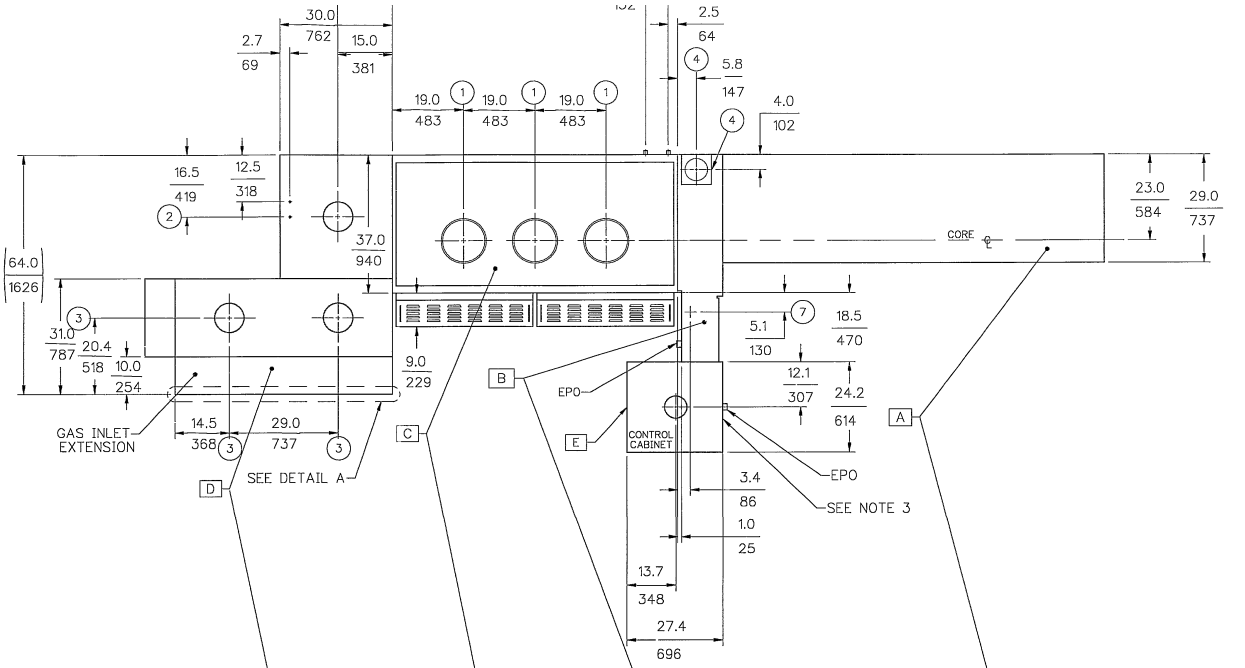
AVERAGE HEATER LOAD 86 KILOWATTS

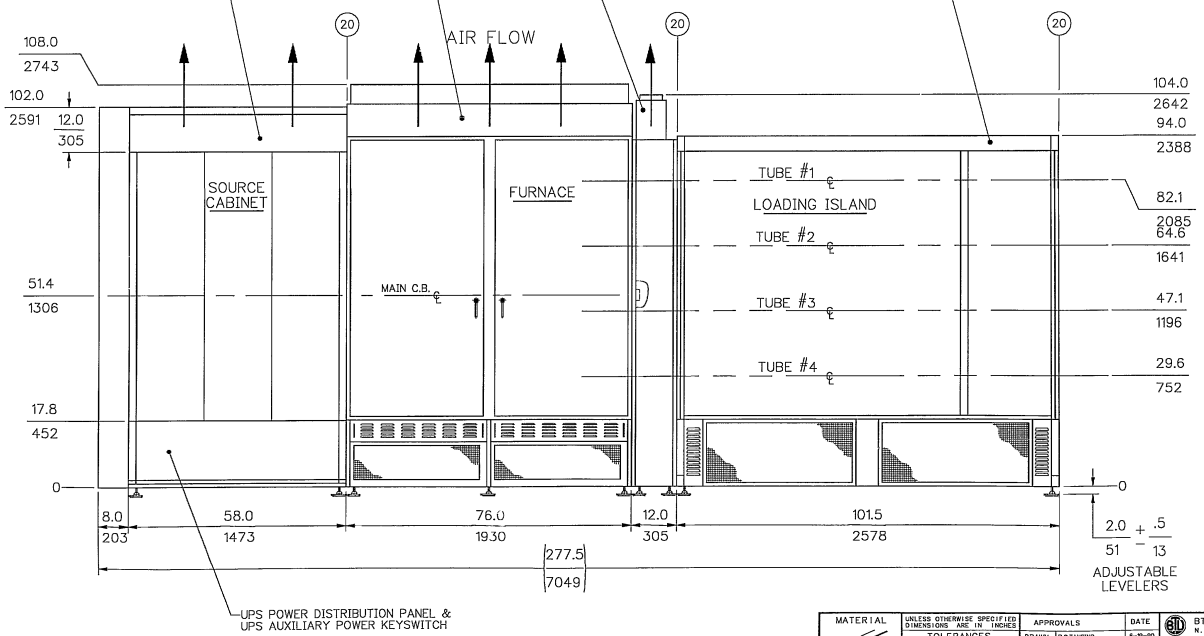
NOTES:

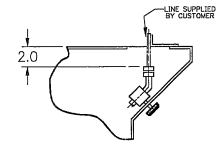
1. DIMENSIONS ARE GIVEN AS IN/MM.
2. FACILITY CONNECTION NOT REQUIRED.
3. CONTROL CABINET NOT SHOWN IN FRONT VIEW. CONTROL CABINET HEIGHT 88.0 IN / 2159 MM

E	CONTROL CABINET	1200

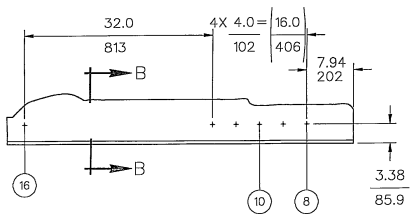
ELEV.—ELEVATION FROM FLOOR (INCHES).







SECTION B–B
.38 ABW INLET
(NTS)



DETAIL–A
SCALE–1/8

MATERIAL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVALS		DATE
	TOLERANCES	DRAWN	R.G.TANSINO	8-19-90
	DECIMALS / ANGLES	CHECK		7-5-90
FINISH	X ± 1 / .XX ± .02 / .XXX ± .005 / ±1°	ENGR.	B. THOMAS	7-5-90
		PROD.		
	DO NOT SCALE DRAWING	RELEASE STAGE 1 / STAGE 2	ENGR.	DATE

BTU ENGINEERING CORPORATION
N. BILLERICA, MASSACHUSETTS 01862

TITLE
INSTALLATION DRAWING
BDF–41, R.H., DSTI–2

SIZE E — DRAWING NO. 4125334 — REV 1

4125334