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SERVICES

MK	UTILITY	PRESS.	SIZE	FLOW	ELEV.
1	FURNACE EXH	—	ø8.0	2400 CFM	110
2	TUBE FOYER EXHAUST	—	ø8.0	400 CFM	104
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	8-8 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	70-90 PSI	.38 SWG	—	102
17					
18					
19					
20	SEPARATION POINT				
21					
22					
23					
24					
25				—	

SEE NOTE 2

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

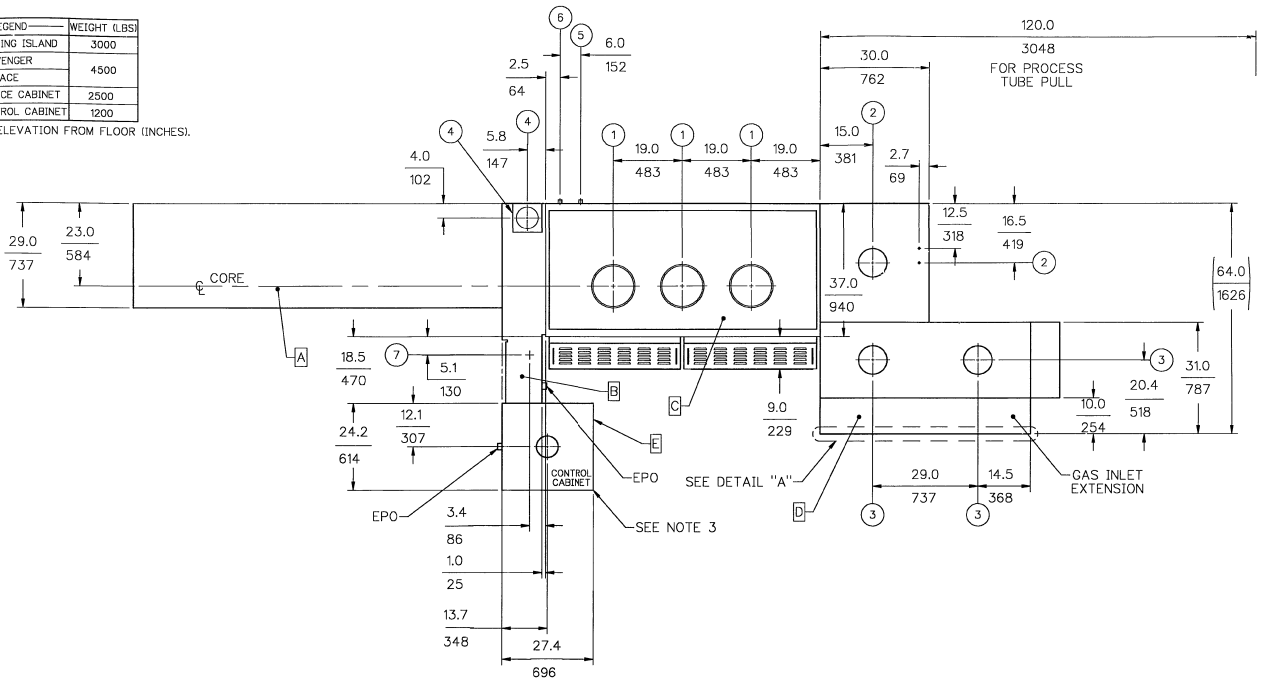
LINE VOLTAGE	LINE CURRENT-AMPERES BLACK	RED	BLUE	NEUTRAL	TOTAL KV A
380	229	245	175	—	142

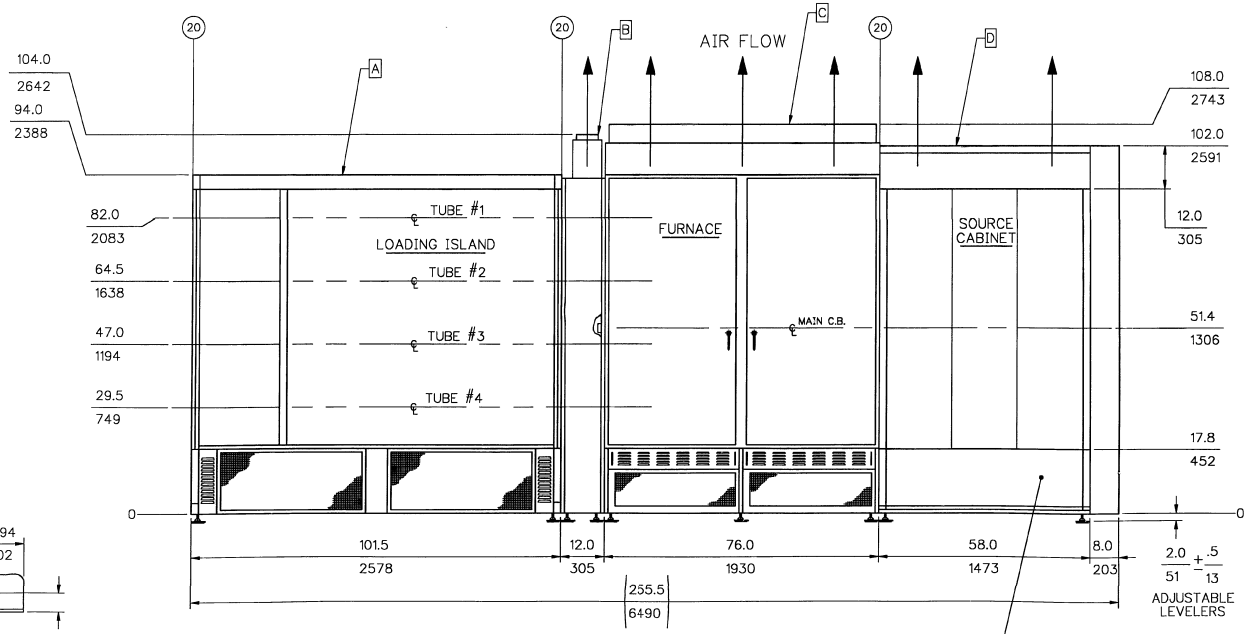
AVERAGE HEATER LOAD 86 KILOWATTS

LEGEND	WEIGHT (LBS)
A LOADING ISLAND	3000
B SCAVENGER	4500
C FURNACE	
D SOURCE CABINET	2500
E CONTROL CABINET	1200

ELEV.--ELEVATION FROM FLOOR (INCHES).

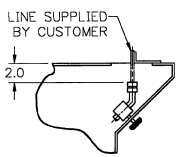
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ECN# 5626 SEE NOTE 3 SWITCH LOCATIONS ADDED. UPS POWER DISTRIBUTION PANEL LOCATION ADDED. UPS DATA ADDED TO SERVICES CHART. GAS CABINET EXHAUST CHANGED FROM 500 TO 400 CFM. GAS INLET ELEVATION CHANGED FROM 93.7 TO 102. 8.0 ADDED TO TITLE BLOCK. ADDED 12.0 DIMENSION TO .38 ABW WAS .36 WGR. DETAIL A AND SECTION B-B REVERSED LEFT-TO-RIGHT. D. MALOON 7-5-90	7-5-90	



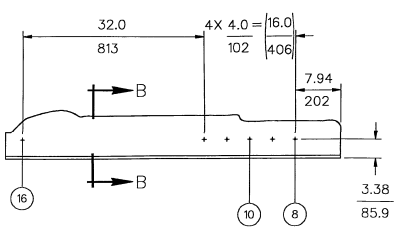


NOTES:

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



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	6-19-90
	DECIMALS / ANGLES	CHECK	7-5-90
FINISH	.X ± .1 / .XX ± .02 / .XXX ± .005 / ±1°	ENGR. B. THOMAS	7-5-90
	DO NOT SCALE DRAWING	PROD.	
	THIRD ANGLE PROJECTION	RELEASE ENGR. / STAGE 1 / STAGE 2 / STAGE 3	DATE

BTU ENGINEERING CORPORATION
N. BILLERICA, MASSACHUSETTS 01862

TITLE
INSTALLATION DRAWING
BDF-41, L.H., DSTI-1

SIZE	DRAWING NO.	REV
E	4125349	1
SCALE	CAD DATABASE	SHEET 1 OF 1