REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED

SERVICES (ENGLISH UNITS)

MK	UTILITY	PRESS.	SIZE	FLOW	ELEV	
1	FURNACE EXHAUST	–	3X Ø8.5	2500 CFM	105	4
2	TUBE FOYER EXHAUST	.5" H_2O	Ø 8.0	500 CFM	104	5
3	GAS CABINET EXHAUST	.5" H_2O	2X Ø 8.0	500 CFM	104	
4	SCAVENGER EXHAUST	2.0" H_2O	Ø 6.0	400 CFM	107	
5						
6						
7	WATER, HEAT EXCH. INLET	40–80 PSI	.50 MPT	4 GPM	103	6
8	WATER, HEAT EXCH. OUTLET	–	.50 MPT	4 GPM	97	
9	TUBE FOYER WATER INLET	30–40 PSI	.38 SWG	2 GPM	6	
10	TUBE FOYER WATER OUTLET	20 PSI	.38 SWG	2 GPM	6	
11	TORCH COOLING AIR	60 PSI	.38 SWG	8 CFM @ 50 PSI	6	8
12	FOYER DRAIN (DRIP TRAY)	–	.25 TB	1 GPM	4	7
13						
14						
15	DRAIN, HEAT EXCH. CONDENSATE	–	.25 TB	1 GPM	5	7
	GAS / SUPPLY PRESSURE	RCM'D RGLTR SETTING		MAX. FLOW RATE		
16	N_2 / 50 PSIG	35 PSIG	.50 TUBE ABW	120 SLM	26.5	
17	Ar / 35 PSIG	25 PSIG	.50 TUBE ABW	80 SLM	25	
18	H_2 / 35 PSIG	25 PSIG	.50 TUBE ABW	80 SLM	26.5	
19	O_2 / 50 PSIG	35 PSIG	.50 TUBE ABW	120 SLM	25	
20	SiH_4 / 25 PSIG	15 PSIG	.50 TUBE ABW	4 SLM	26.5	
21	SiH_2Cl_2 / 10 PSIG	6 PSIG	.50 TUBE ABW	2 SLM	25	
22	NH_3 / 25 PSIG	15 PSIG	.50 TUBE ABW	8 SLM	26.5	
23						
24						
25						
26						
27						
28	AIR SYSTEM (REGULATED)	95 PSI	.25 SWG	–	23	
29	MAIN POWER INLET	–	Ø2.38	–	94	2
30	UPS POWER INLET	–	Ø2.38	–	94	2
31	EXO "A" SCAV CLEAN SIDE	–	–	–	60	
32	EPO "B" SCAV GREY SIDE	–	–	–	41	
33	EPO "C" CONTROL CAB	–	–	–	39	
34						
35	SEPARATION POINT FOR SHIPPING					

MINIMUM WALL OPENINGS 3

SECTION	HEIGHT	WIDTH
FURNACE	110	60
LOAD STATION	98	36
SOURCE CABINET	106	68

ELECTRICAL

MAXIMUM PROCESSING TEMPERATURE °C — TUBE NO. 1 1250 2 1250 3 950 4 950

FURNACE CASE MUST BE GROUNDED PER LOCAL CODES

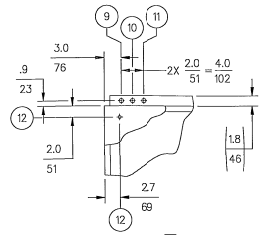
BRUCE TECHNOLOGIES INTERNATIONAL, INC.
25 CONCORD ROAD, N. BILLERICA, MA 01862 USA

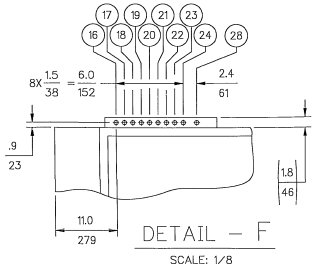
MODEL: BDF-41
EQUIPMENT NO: DSTC-1
DATE:
VOLT: 480
AMP: 207 PH: 3
HZ: 60 KW: 145

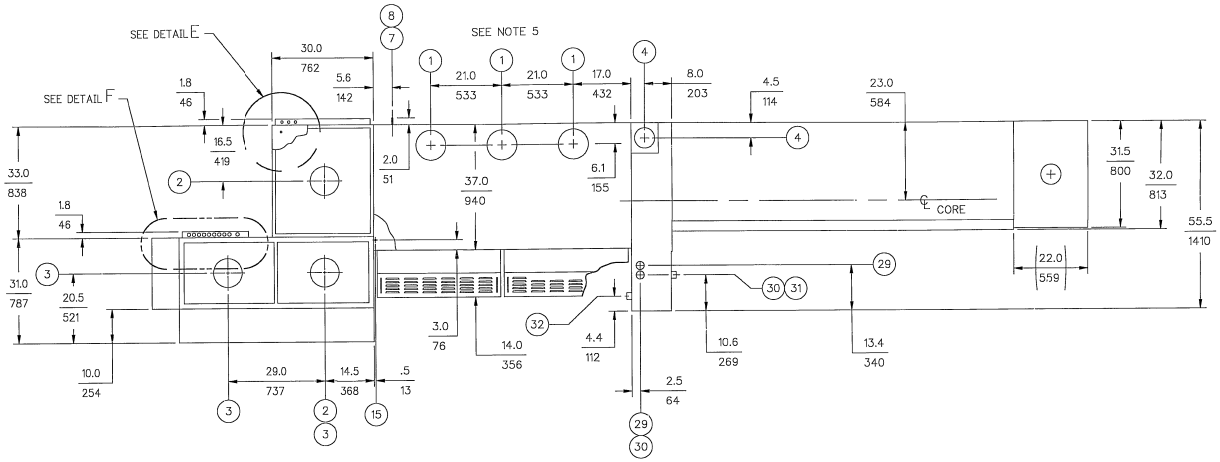
MAIN: CIRCUIT BREAKER IS 350 AMPS
AMP: = MAXIMUM CALCULATED LINE CURRENT
KW: = MAXIMUM CALCULATED POWER IN KVA

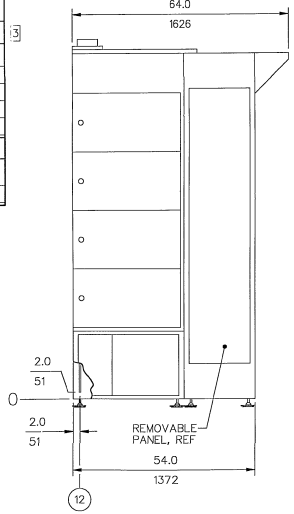
NOTES:

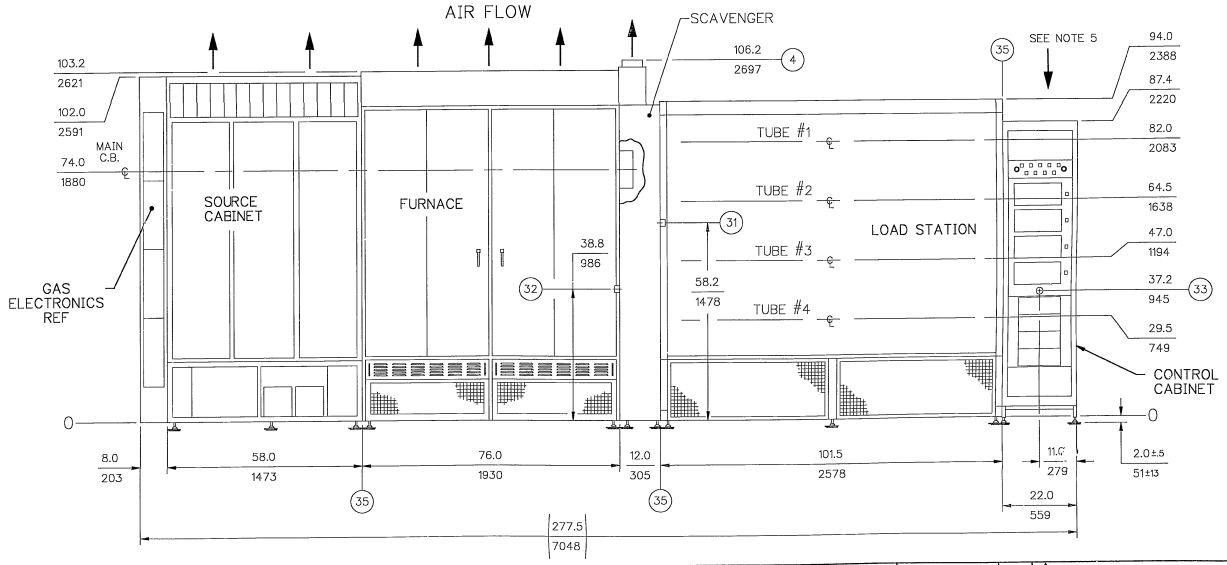
1. DIMENSIONS ARE GIVEN AS IN/MM.
2. MAIN POWER FEED IS A 3 PHASE, 4 WIRE CONNECTION (L1, L2, L3, AND GROUND) CONNECTION TO BE MADE FROM CEILING OR FLOOR. UPS REQUIRES 120V 60Hz 15A FOR START-UP.
3. MINIMUM WALL OPENING DOES NOT INCLUDE CLEARANCE FOR PALLETS. PALLETS ADD 6 INCHES TO HEIGHT FROM BOTTOM FRAME.
4. ELEV. = ELEVATION FROM FLOOR (INCHES).
5. FACILITY CONNECTION NOT REQUIRED.
6. H_2O REGULATION AND OVERPRESSURE BYPASS ARE FACILITY RESIDENT.
7. FLOWS LISTED ARE DRAIN LINE CAPACITIES IN THE EVENT OF A FLUID LEAK.
8. TORCH COOLING AIR REGULATION IS FACILITY RESIDENT.











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	PROC ENG	M. BLANCHARD	2-2-94	
	ELEC ENG	S. REPPUCCI	2-3-94	
	MECH ENG	R. IRVING	2-2-94	
	SALES	A. BOUCHER	2/3/94	SIZE E — DRAWING NO. 965121 — REV 0
	ENG MGR	A. PROTEAU	2-2-94	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS	APPD			
DO NOT SCALE DRAWING — THIRD ANGLE PROJECTION				SCALE 1/8 — CAD DATABASE — SHEET 1 OF 2

965121 DRAW. NO. SHT. 1 REV. 0

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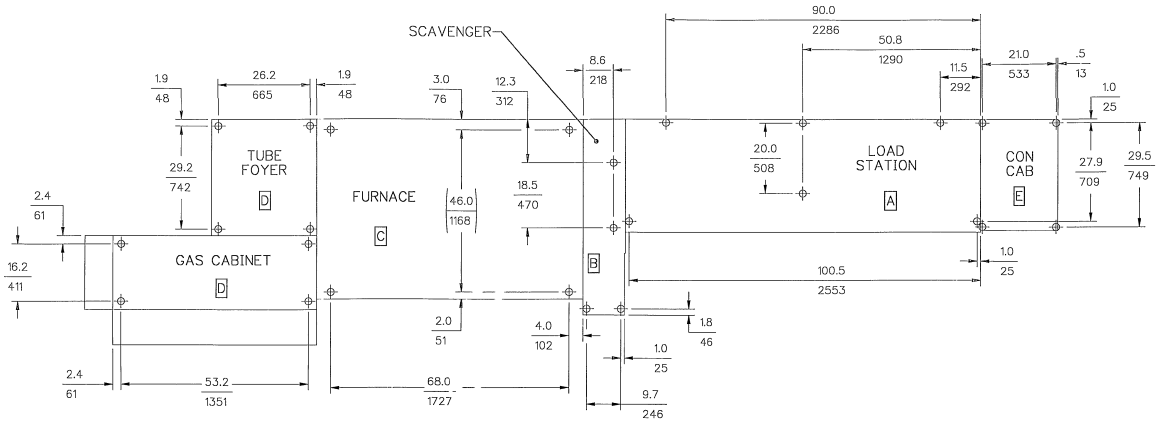
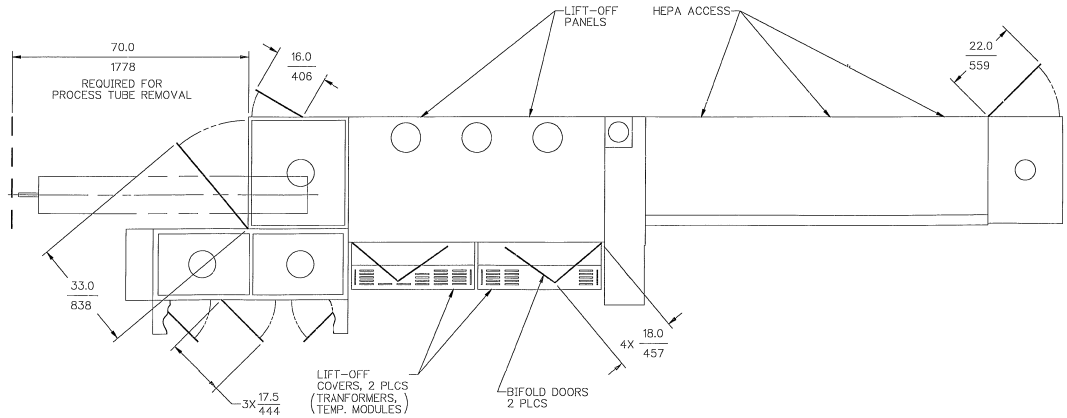


LEVELING LEG LOCATIONS
(POINT LOADING)

LEVELER DIAMETER
$\frac{2.0}{50}$ = SECTIONS B,D & E
$\frac{3.0}{76}$ = SECTIONS A & C

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



DOOR SWING / COMPONENT ACCESS

SIZE	DRAWING NO.	REV
E	9651211	0
SCALE 1/8	CAD DATABASE	SHEET 2 OF 2

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