

VIKING
corporation

USER / OPERATOR
MANUAL

Models 204, 207 & 301

Swedebrator

Shot Blaster

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II
MACHINE INFORMATION

Make: Viking "SWEDEBRATOR" Shot Blaster

Model: 204, 207 & 301

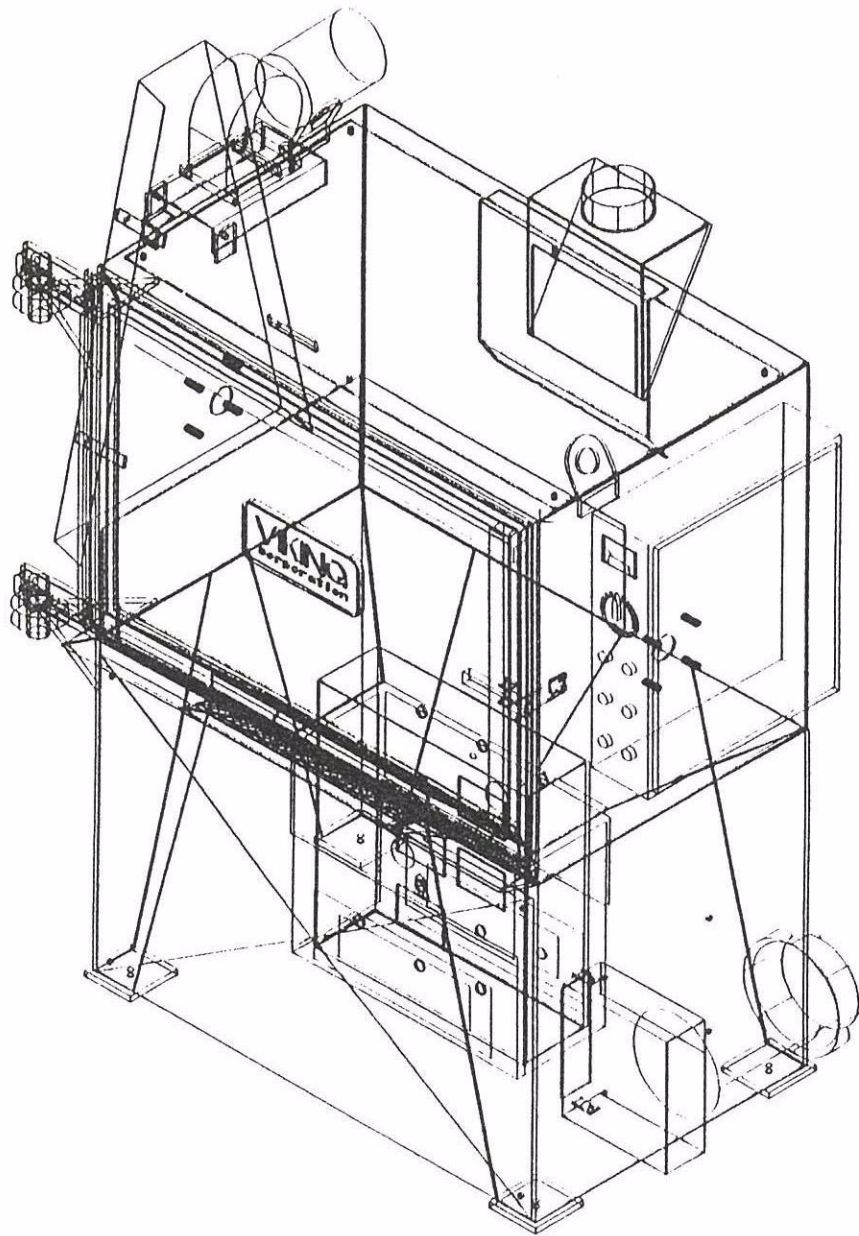
Blast Wheel Operating Amps: - * 220V/3Ph/60Hz = 26.0
- 440V/3Ph/60Hz = 13.0
- 575V/3Ph/60Hz = 10.4

Electrical:

Blast Wheel	-	10 H.P.,	1725 R.P.M.
Tumbler	-	1/2 H.P.,	30 R.P.M. Gearmotor
9DC Dust Collector	-	3 H.P.,	3450 R.P.M.
9PDC Dust Collect.	-	3 H.P.,	3450 R.P.M.

Power Requirement:

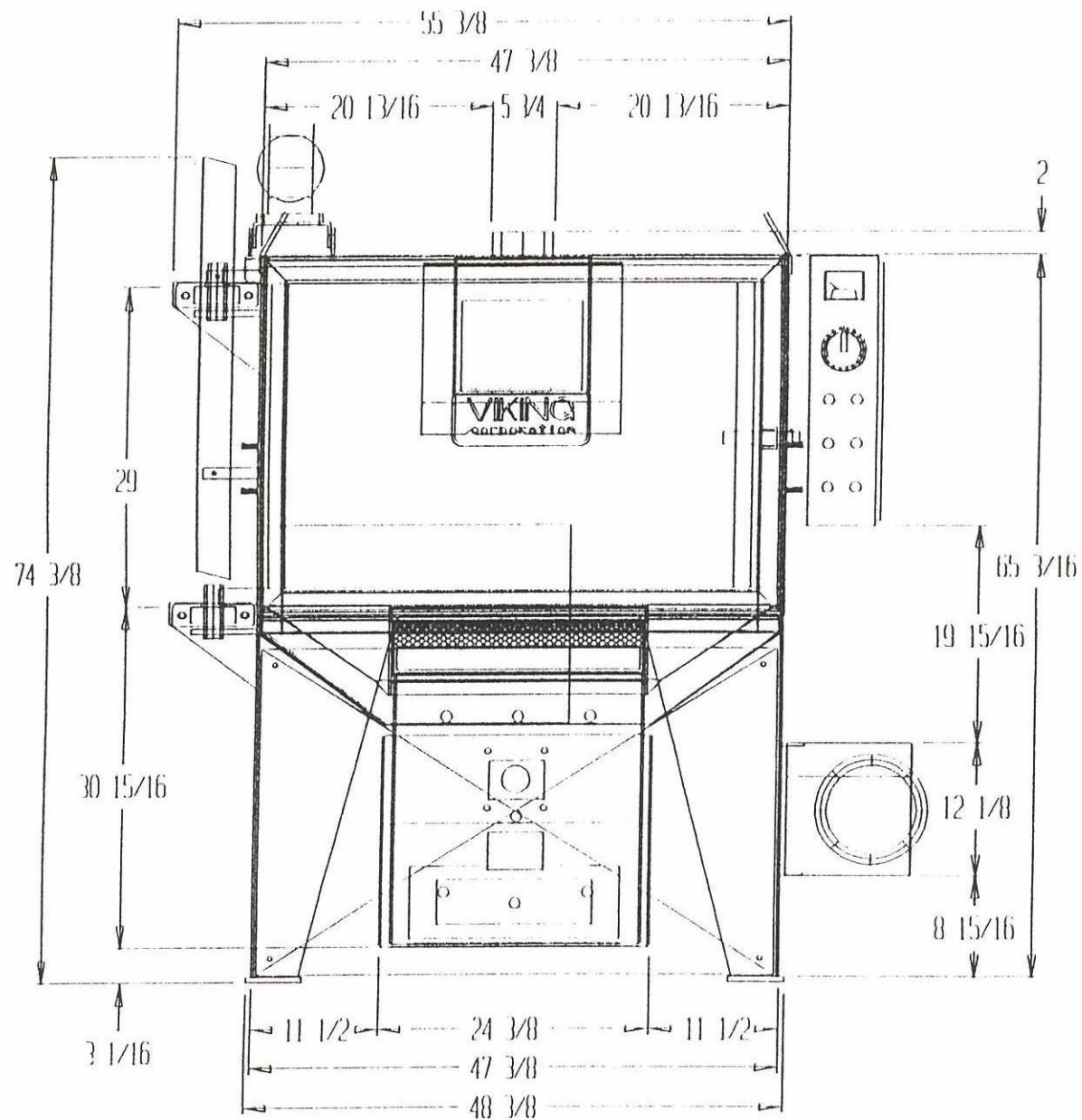
Amperage of System	220V / 3 ph / 60 Hz.	=	35.6
Amperage of System	440V / 3 ph / 60 Hz.	=	17.8
Amperage of System	575V / 3 ph / 60 Hz.	=	13.7



ISOMETRIC VIEW

VIKING CORPORATION

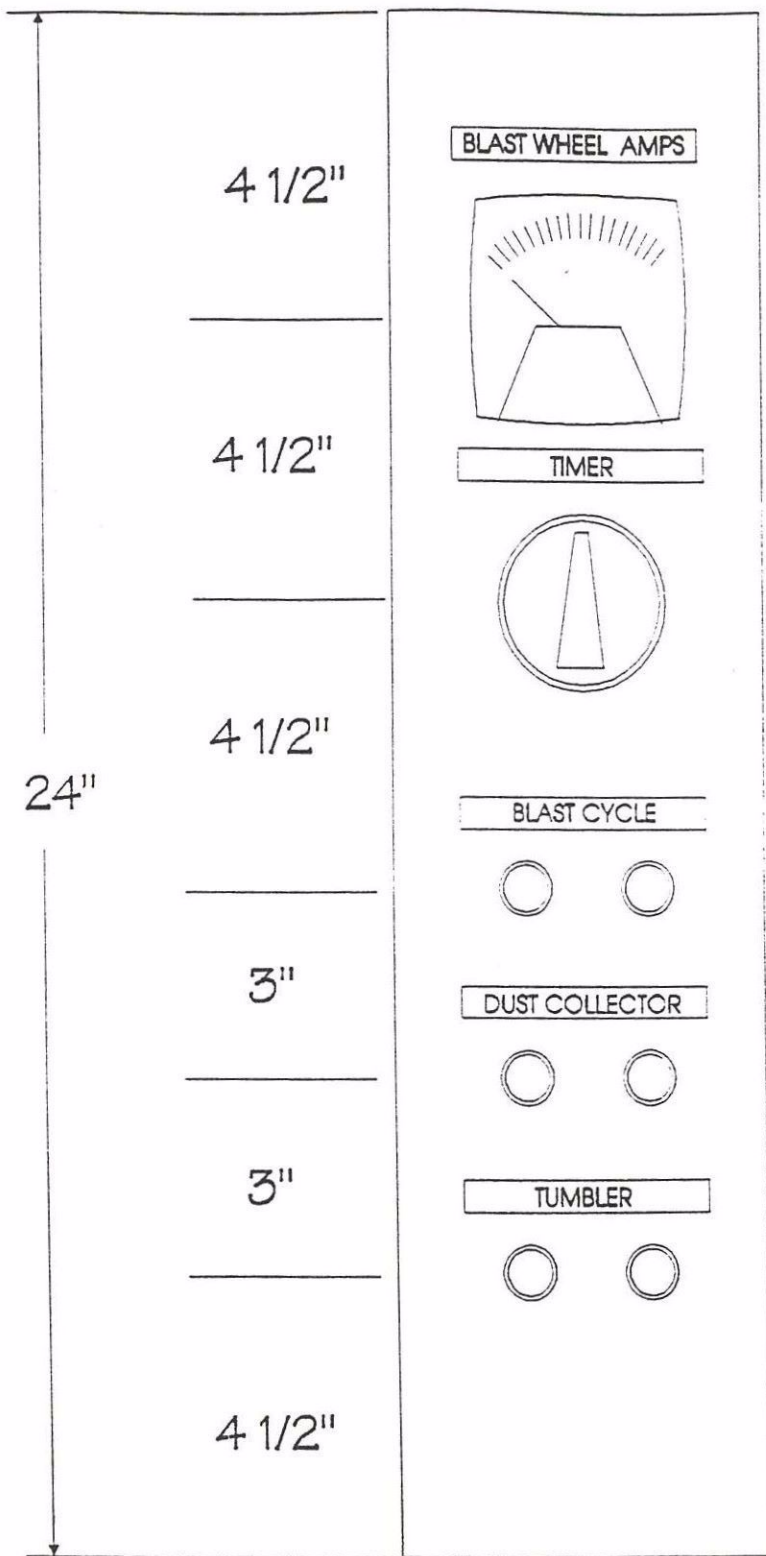
MODEL #207 SHOT BLAST
#207 100 LEVELS 1 54 AND 100



FRONT VIEW

VIKING CORPORATION

MODEL #207 SHOT BLAST
 B207-100 LEVELS 1 54 AND 100



ELECTRICAL

SWEDEBRATOR BLASTERS CONTROL PANEL LAYOUT



REQ. BY:

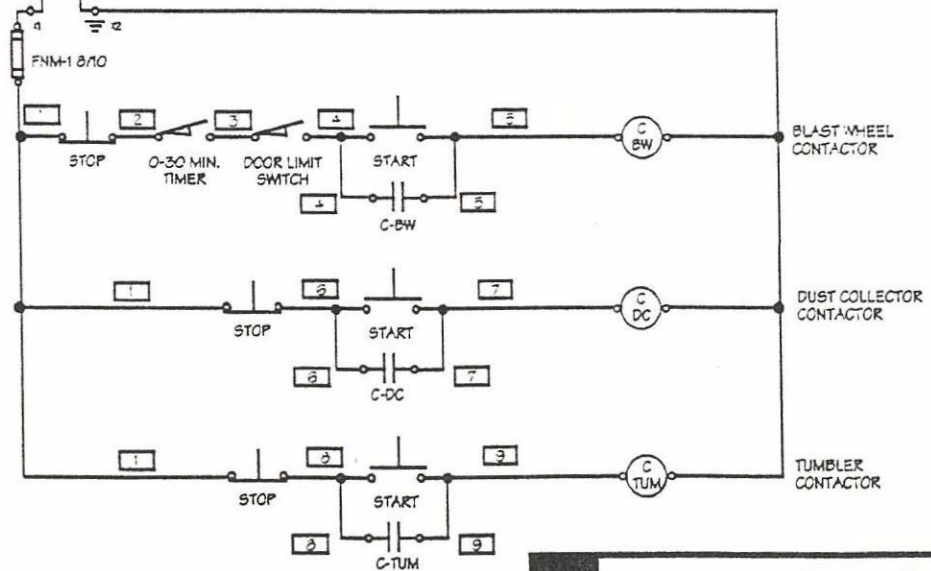
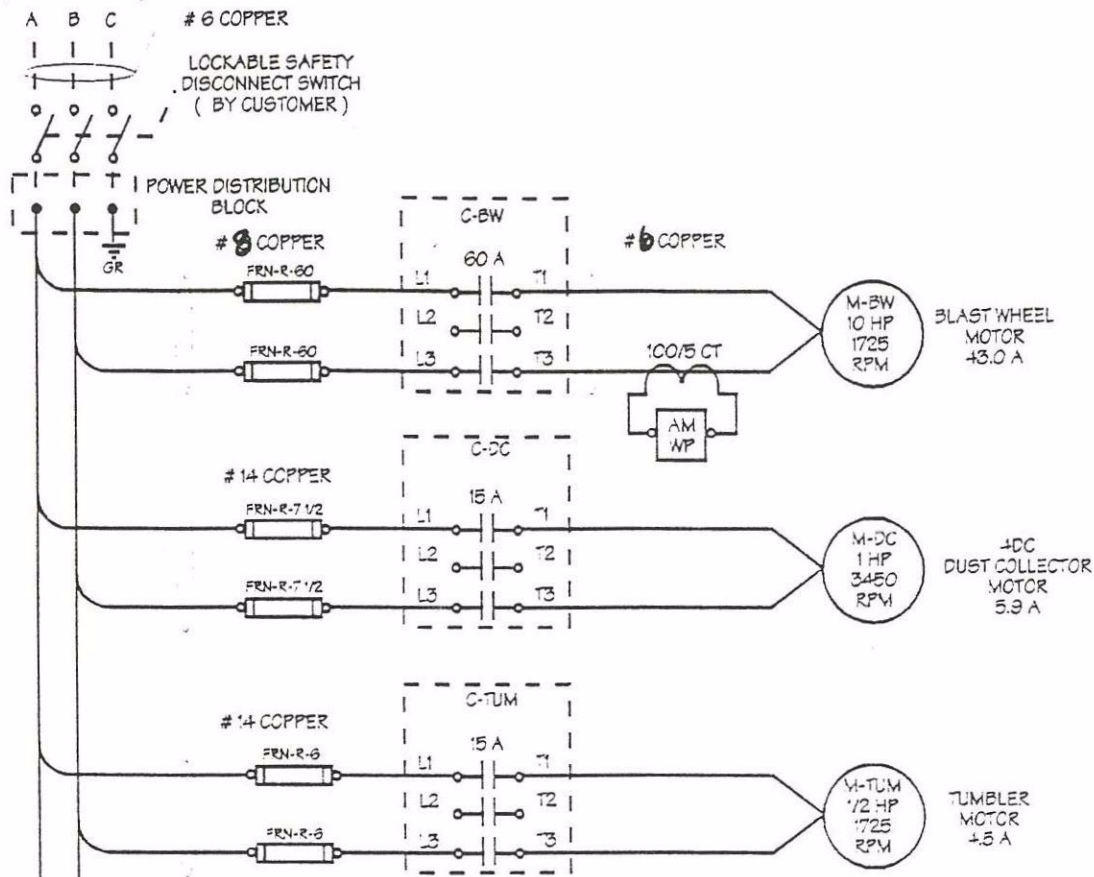
DRAWN BY: B.BAILEY

DATE: 01/28/97

REVISED: 06/12/97

DRAWING NO.: PANELO07

220V / 1 PH / 60 HZ
60 FULL LOAD AMPS
(BY CUSTOMER)

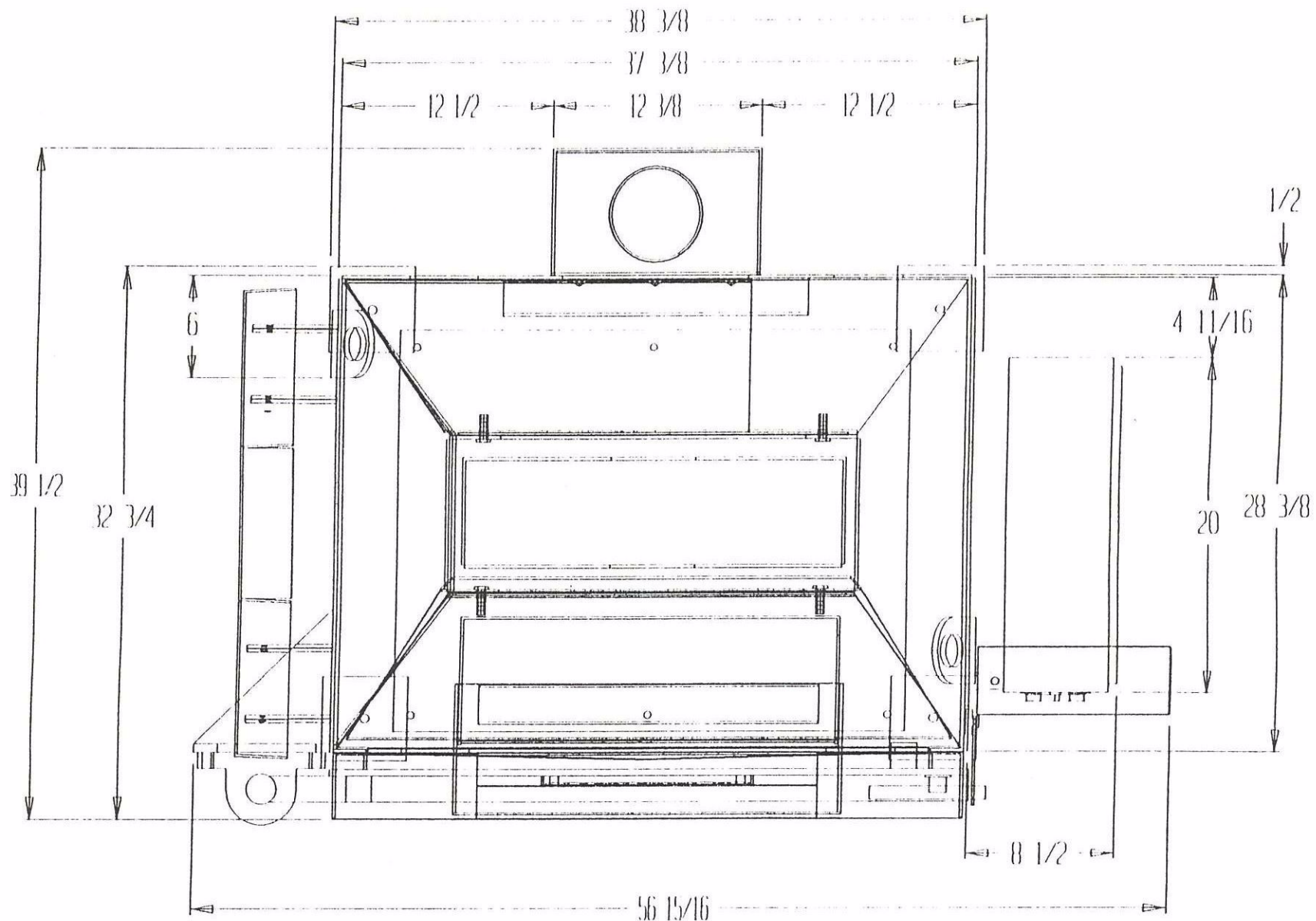


ELECTRICAL

204, 207 & 301 SWEDEBRATOR
220V / 1PH / 60HZ - W/ 4DC



REQ. BY:
DRAWN BY: B.BAILEY
DATE: 01/29/97
REVISED:
DRAWING NO.: ELO063

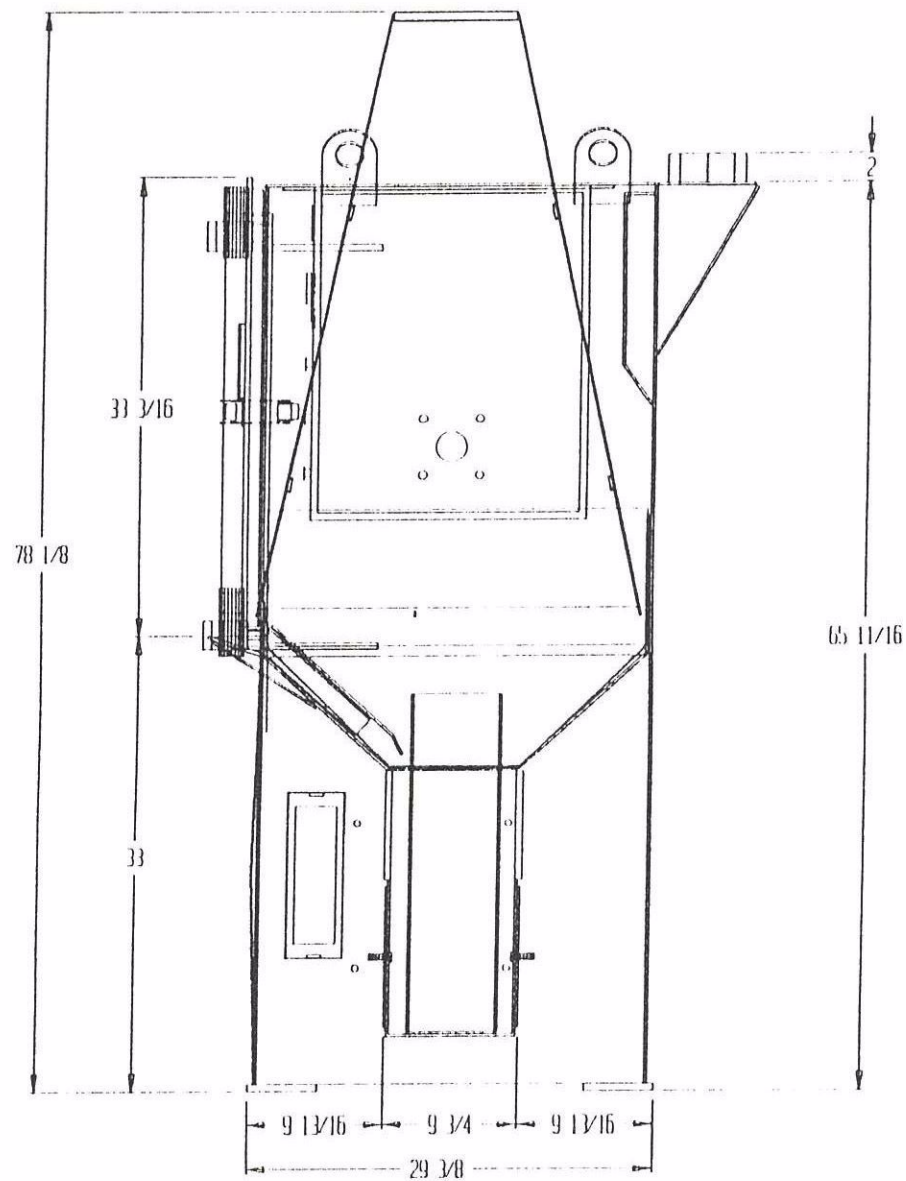


TOP VIEW

VIKING CORPORATION

MODEL #204 SHOT BLAST

B204-100 LEVELS 1-31, 75 AND 200



RIGHT SIDE VIEW

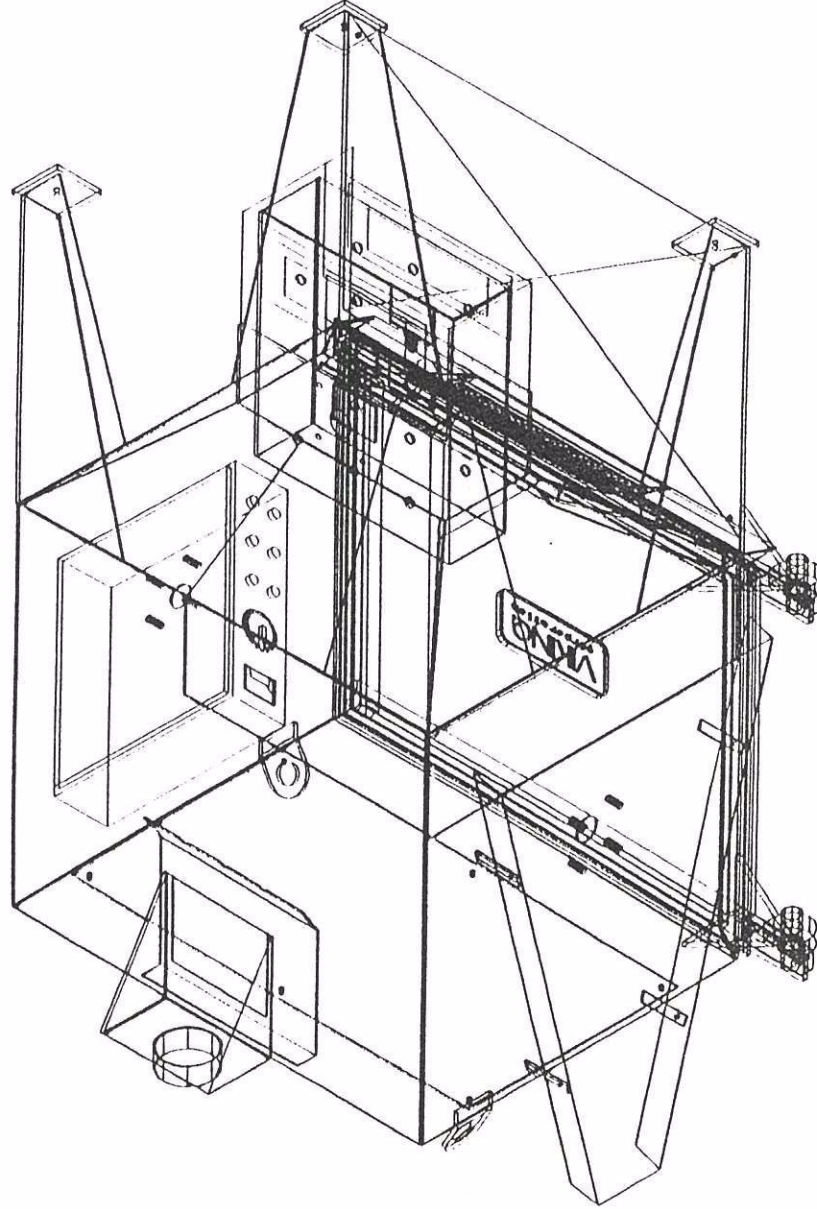
VIKING CORPORATION

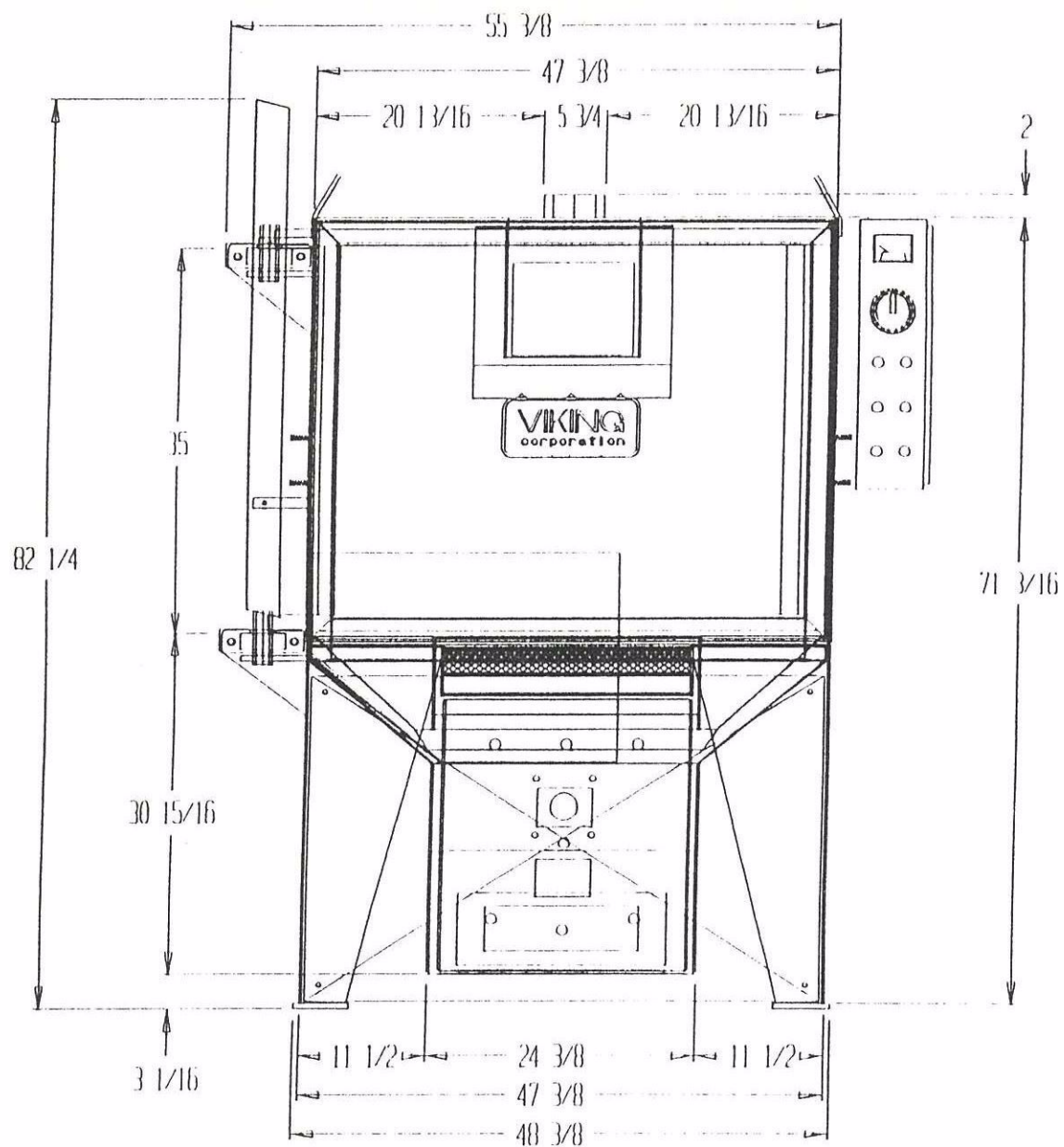
MODEL #204 SHOT BLAST
B204-100 LEVELS 1-31, 75 AND 200

VIKING CORPORATION

ISOMETRIC VIEW

MODEL #301 SHOT BLAST
B301 100 LEVELS 1 32, 75 AND 100



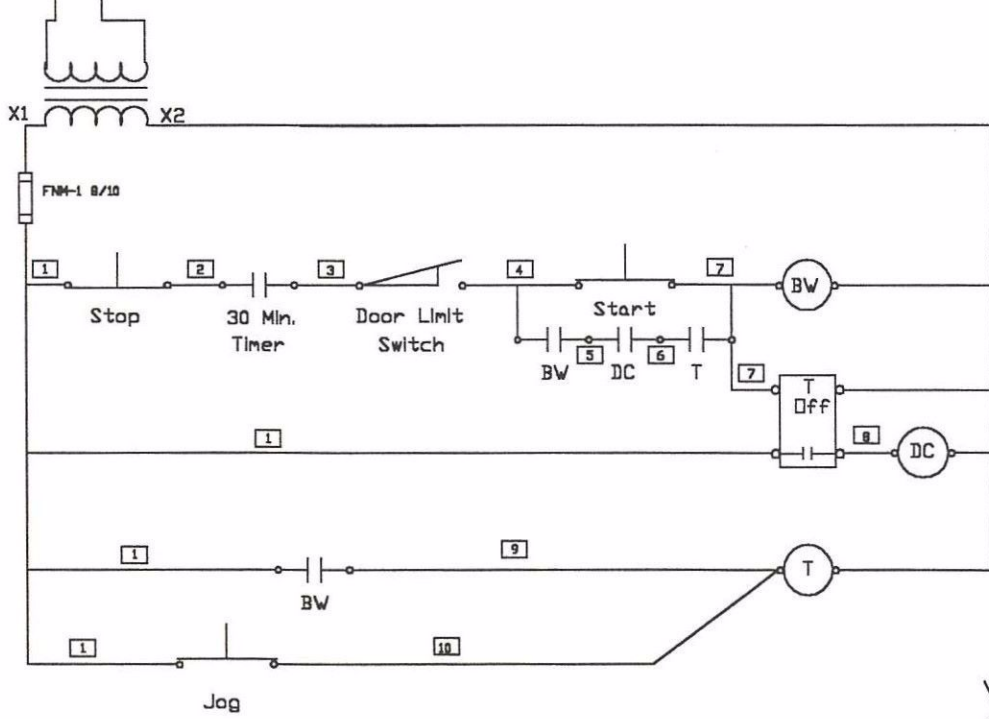
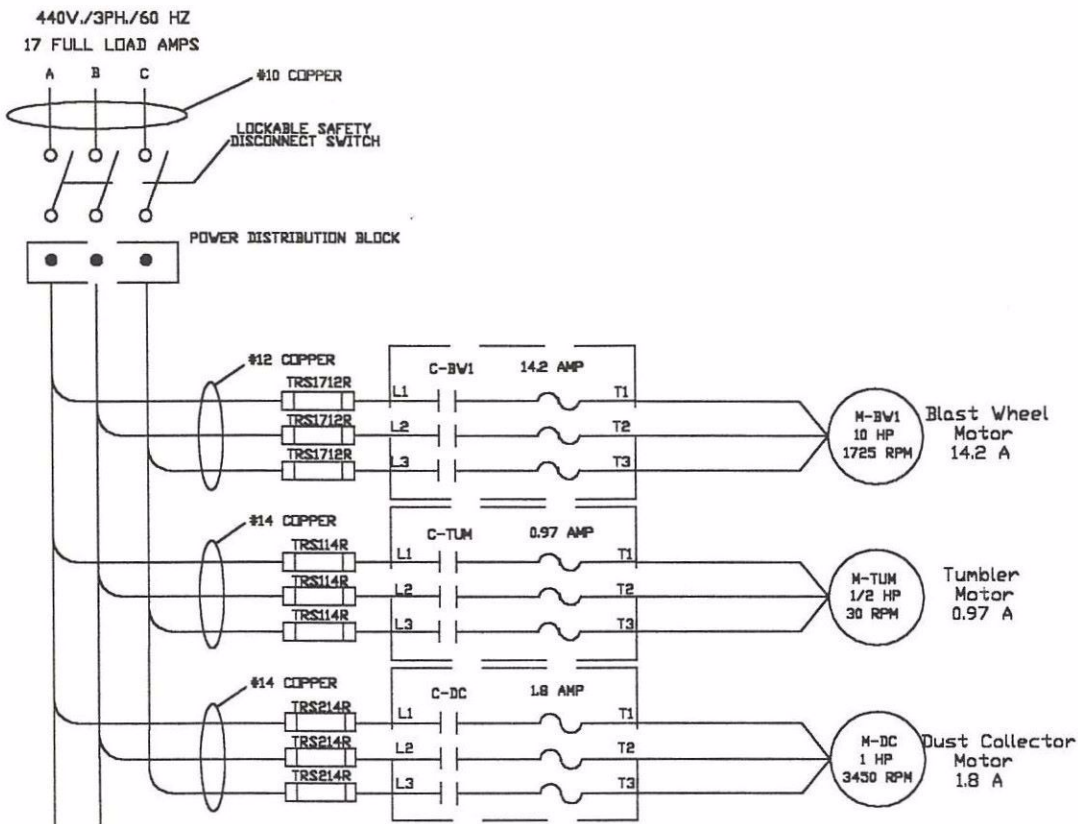


VIKING CORPORATION

FRONT VIEW

MODEL #301 SHOT BLAST

B301-100 LEVELS 1-32, 75 AND 100



VIKING
CORPORATION

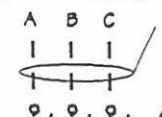
DRAWING NO.	Swede-440V	REVISION	204,207,301
MATERIAL			440V/3PH Schematic
DATE		BY	J. Lauer
FILE NO.		DATE	2/2/00
			Schematics

575V / 3 PH / 60 HZ
20 FULL LOAD AMPS
(BY CUSTOMER)

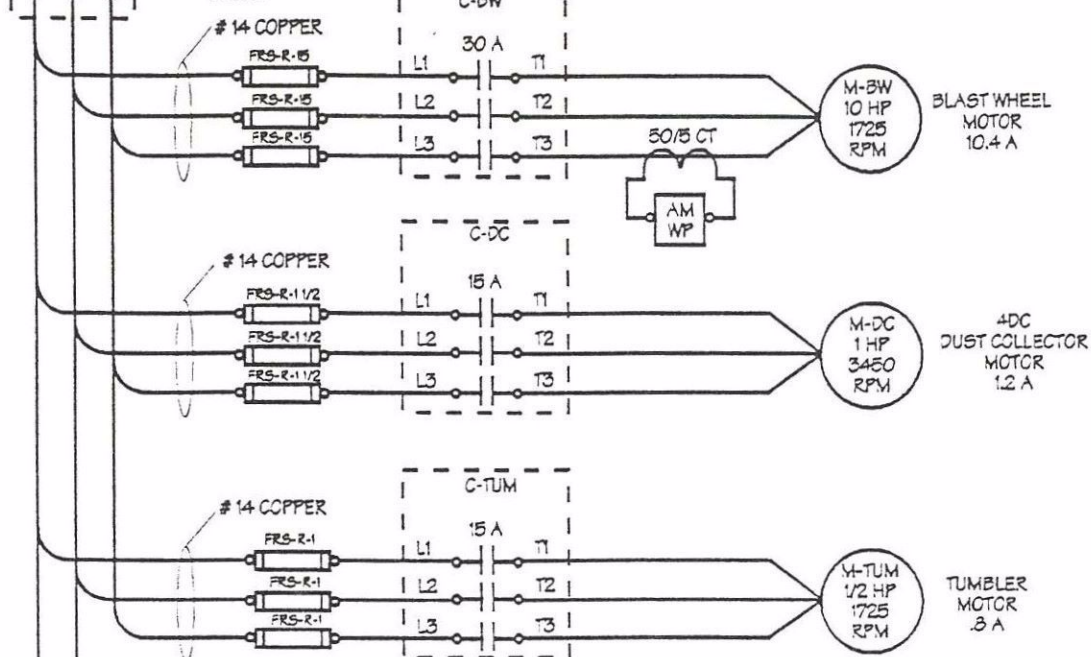
#12

COPPER

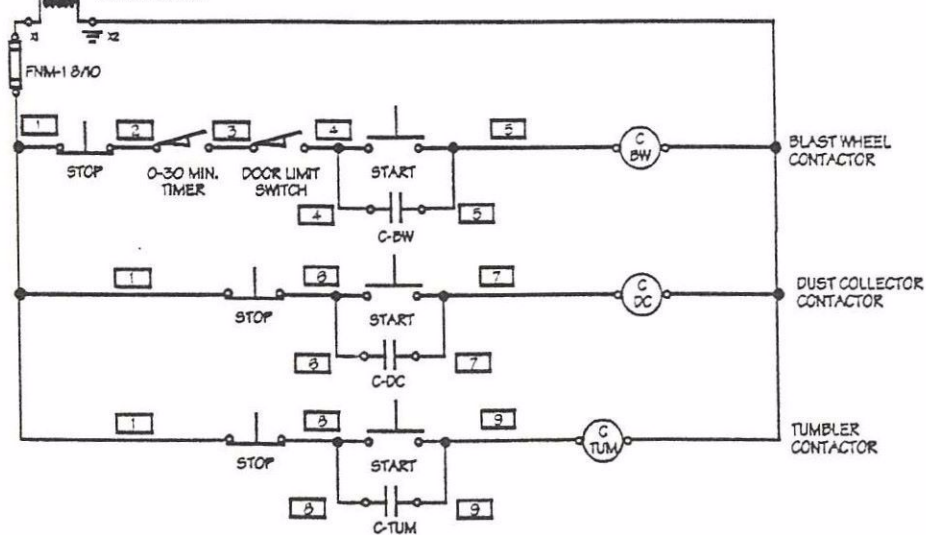
LOCKABLE SAFETY
DISCONNECT SWITCH
(BY CUSTOMER)



POWER DISTRIBUTION
BLOCK



120 V
TRANSFORMER



ELECTRICAL

204, 207 & 301 SWEDEBRATOR

575V / 3PH / 60HZ - W/ 4DC

VIKING
corporation

REQ. BY:

DRAWN BY: B.BAILEY

DATE: 12/23/96

REVISED: 06/11/97

DRAWING NO.: ELO003

MODEL: 207 SWEDEBRATOR

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220V - 3PH - 60HZ

UPDATED 06/23/00 DCH

QTY	UM	VIKING #	DESCRIPTION	USAGE
LEGENDS				
1	EA	30870	4" LEGEND, S/N	
1	EA	30852	2" LEGEND, JOG	
1	EA	30836	2" LEGEND, BLAST CYCLE	
1	EA	30863	2" LEGEND, TIMER	
1	EA	30842	2" LEGEND, BLAST WHEEL AMPS	
ELECTRICAL				
1	EA	30327	E22P3N33, GREEN START PUSH BUTTON	BLAST,CYCLE
1	EA	30553	E22E22N34, RES STOP PUSH BUTTON	BLAST,CYCLE
2	EA	30555	E22B2, N.O. CONTACT BLOCK	
1	EA	30556	E22B1, N.C. CONTACT BLOCK	
1	EA	30297	E22P1, BLACK PUSH BUTTON	JOG
1	EA	30463	63133, TERMINAL BLOCK	MACHINE POWER
1	EA	30644	2801, AMP METER	
1	EA	30551	5RL500, 50:5 CT DONUT	
1	EA	30646	1502-150, LIMIT SWITCH	DOOR SAFETY
1	EA	30511	C-SD24206, ENCLOSURE	
1	EA	30512	P-2420, PANEL	
2	EA	30632	L-125, GROUND LUG	
1	EA	31419	74702, 0-30 MINUTE TIMER	
1	EA	30548	636-1141-000, TRANSFORMER	CONTROL POWER
1	EA	30456	TRM-1810, MINI FUSE	CONTROL POWER
1	EA	30347	C320KG1, N.O. AUX. CONTACT	BW
1	EA	30590	GT3F2A200, TRUE-OFF TIMER	DC
1	EA	30540	2R2P06, 8 PIN SOCKET	DC
POWER				
1	EA	30667	AE16FNSOAC, MOTOR STARTER	BW
1	EA	31860	H2014B3, HEATER PACK	BW
2	EA	31733	AE16ANSOAC, MOTOR STARTER	T/DC
1	EA	30324	H2006B3, HEATER PACK	T
1	EA	30361	H2008B3, HEATER PACK	DC
1	EA	30485	20608, FUSE BLOCK	BW
2	EA	30464	20308, FUSE BLOCK	T/DC
3	EA	30408	TR-35-R, FUSE	BW
3	EA	30404	TR-4-R, FUSE	DC
3	EA	30401	TR-2 1/2-R, FUSE	T
MOTORS				
1	EA	30942	M3714T, MOTOR 10 HP, 1725 RPM	BW
1	EA	30958	3M282, ADJ. MOTOR MOUNT	BW
1	EA	30782	3N169, GEAR MOTOR 1/2 HP, 30 RPM	TUMBLER

MODEL: 207 SWEDEBRATOR

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220V - 3PH - 60HZ

UPDATRED 06/23/00 DCH

QTY U/M VIKING # DESCRIPTION

USAGE

POWER TRANSMISSION

2	EA	30022	UCP-209-28, 1-3/4" PILLOW BLOCK	DOOR
2	EA	30021	HCFS-209-28, 1-3/4" FOUR BOLT FLANGE	TUMBLER
2	EA	30024	SAF211-32, 2" FOUR BOLT FLANGE	BW
4	EA	31685	19993, 2" CR SEAL	BW
2	EA	31246	2B56SDS, SHEAVE	BW/DRIVE, DRIVEN
1	EA	30199	SDS 1-3/8", BUSHING	BW/DRIVE
1	EA	30203	SDS 2", BUSHING	BW/DRIVEN
1	EA	31249	1B34SH, SHEAVE	TUM/DRIVE
1	EA	31252	1B200SK, SHEAVE	TUM/DRIVEN
1	EA	30209	SH 1", BUSHING	TUM/DRIVE
1	EA	30217	SK 1-3/4", BUSHING	TUM/DRIVEN
1	EA	30082	B88, V-BELT	TUM
2	EA	30077	B77, V-BELT	BW

VIKING STOCK

15	FT.	31273	O C 1" X 1-5/8", DOOR SEAL-OPEN CELL	DOOR
2	EA.	31228	RS9984, GASKET, 1/4" RUBBER	BASKET BEARING
1	EA	30262	344, TOGGLE CLAMP	DOOR
2	EA	30888	LIFTING LUG	
4	EA	31118	19992, ALUM. SEAL PLATE	BW
1	EA		IWH-100, MAG. WHEEL HOUSING	BW
1	EA		WH-100C, OUTER WHEEL HOUSING	BW
1	EA	31606	2" X 21" BW SHAFT	BW
1	EA	30823	B7, 6" X 6" 4" HUB, 2" DIA.	BW
1	EA	31441	B1, BLADE SET	BW
1	EA		B-28, TUMBLE BASKET	TUM
1	EA		TUMBLER MOUNT. 7" CHANNEL X 12"	TUM
2	EA		6" X 6" X 3/16" PLATE	TUM
7	EA	30628	4Q950, 1/2" 90 DEGREE LT CONN.	
1	EA	31414	4Q50, 1/2" STRAIGHT CONN.	
3	EA	30659	MINOB, 1/2" STAND OFF CLAMPS	
10	EA	30637	MV1410FBX, FORK WIRE TERMINALS	
25	EA	31207	32028, #8 SELF TAP, SCREWS	
1	EA	31510	MB4A10C2, TYTON MOUNT	DONUT
15	FT	31415	E50EFLT, 1/2" LIQUIDTITE CONDUIT	
30	FT	31436	14 AWG BLACK WIRE	TUM/DC
7	FT	30597	14 AWG GREEN WIRE	TUM/DC
15	FT	31433	10 AWG BLACK WIRE	BW
5	FT	30570	12 AWG GREEN WIRE	BW
30	FT	30599	16 AWG RED WIRE	CONTROL HOT
10	FT	30561	16 AWG WHITE WIRE	CONTROL COMM
4	EA	30583	30073, ORANGE WIRE NUT	TUM
3	EA	31401	30452, RED WIRE NUT	BW

MODEL: 207 SWEDEBRATOR

PAGE 3 OF 3

220V - 3PH - 60HZ

UPDATED 05/09/00 DCH

QTY U/M VIKING # DESCRIPTION

VIKING STOCK CONT.

1	EA	30543	30074, YELLOW WIRE NUT	BW		
2	EA	31423	M1414RSX, RING WIRE TERMINAL	AMP METER		
1	EA		2" X 2-1/2" X 1/4" PLATE	LIMIT SWITCH		
4	FT	30498	71150, 1" X 1-1/2" WIRE WAY			
4	FT	30488	79010, 1" WIRE WAY COVER			
10	EA	30579	T30R9C2, 6" NYLON TIE			
8	EA	30123	12101, 3/8" X 1/2" BOLT			
6	EA	30125	12105, 3/8" X 1" BOLT			
1	EA	30127	12109, 3/8" X 1-1/2" BOLT			
22	EA	31379	33007, 3/8" FLAT WASHER			
6	EA	31387	33621, 3/8" LOCK WASHER			
4	EA	30139	12211, 1/2" X 2" BOLT			
8	EA	30137	12210, 1/2" X 1-3/4" BOLT			
26	EA	30985	36109, 1/2" NUT			
22	EA	31380	33011, 1/2" FLAT WASHER			
14	EA	31389	33625, 1/2" LOCK WASHER			
8	EA	30153	12315, 5/8" 3" BOLT			
10	EA	30987	36133, 5/8" NUT			
2	EA	31382	33015, 5/8" FLAT WASHER			
9	EA	31390	33629, LOCK WASHER			
8	EA	30115	5/16" X 1-1/4" ELEV. BOLT			
16	EA	30982	36103, 5/16" NUT			
16	EA	31378	33005, 5/16" FLAT WASHER			
8	EA	31386	33619, 5/16" LOCK WASHER			
10	EA	30168	10890, 1/2" 3" TAP BOLT			
10	EA	30993	36209, 1/2" JAM NUT			
4	EA	31831	31831, 1/2" X 1-1/4" STUD			
1	EA	31168	47169, 5/8" X 7" ALL THREAD			