



PROCESS FLOW CHART



LIST OF MACHINERY:

No.	DESCRIPTION	QTY.	LOAD(KW)		POWER SUPPLY
			UNIT	TOTAL	
1	UNIVERSAL HI-DEFINITION PLASMA CUTTING SYSTEM	1	27.00	27.00	380/3/60
2	100 TON HYDRAULIC PRESS BRAKE	1	8.00	8.00	380/3/60
3	HYDRAULIC SHEAR	1	15.00	15.00	380/3/60
4	55 TON IRON WORKER	1	3.00	3.00	380/3/60
5	CNC PUNCHING PRESS	1	6.00	6.00	380/3/60
6	SEMI-AUTOMATIC HORIZONTAL BANDSAW	1	12.00	12.00	380/3/60
7	SWIVEL HEAD MITER HORIZONTAL BANDSAW	1	2.00	2.00	380/3/60
8	HEAVY DUTY VERTICAL BANDSAW	1	3.00	3.00	380/3/60
9	PORTABLE ALUMINUM MIG WELDER w/ PUSH-PULL MODULE	6	13.00	78.00	380/3/60
10	STEEL MIG WELDER w/ PUSH-PULL MODULE	1	13.00	13.00	380/3/60
11	PORTABLE STEEL MIG WELDER w/ PUSH-PULL MODULE	1	13.00	13.00	380/3/60
12	PORTABLE ALUMINUM TIG WELDER	2	13.00	26.00	380/3/60
13	DUAL GLASS PLASMA CUTTING and GOUGING MACHINE	1	15.00	15.00	380/3/60
14	PIPE BENDING MACHINE	1	1.00	1.00	220/1/60
15	9,000 LBS. CLEAR FLOOR TWO-POST LIFT	1	2.00	2.00	220/1/60
16	FIBERGLASS CHOPPER SYSTEM	3	-	-	-
17	PORTABLE GELCOAT SYSTEM	3	-	-	-
18	RESIN DISPENSING SYSTEM	3	-	-	-
19	PAINT/STRIP SPRAY BOOTH	2	28.00	56.00	380/3/60
20	SANDING/GRINDING BOOTH	1	28.00	28.00	380/3/60
21	WATER JET CUTTING SYSTEM w/ FILTRATION SYSTEM and CHILLER	1	45.00	45.00	380/3/60
22	CABINET TABLE SAW	2	6.00	12.00	380/3/60
23	OVERARM HIGH SPEED ROUTER	1	4.00	4.00	220/1/60
24	SPINDLE SHAPER	1	6.00	6.00	380/3/60
25	VINYL VACUUM FORMING SYSTEM	1	1.00	1.00	220/1/60
26	VINYL PRE-HEAT OVEN	1	5.00	5.00	220/1/60
27	MICROPROCESSOR CONTROLLED WIRE MARKING SYSTEM	1	2.00	2.00	220/1/60
28	FOUR POST RAMP LIFT	1	2.00	2.00	220/1/60
29	TURRET HEAD MILLING MACHINE	1	3.00	3.00	380/3/60
30	HORIZONTAL BORING MACHINE	1	2.00	2.00	220/1/60
31	DRILLING/TAPPING MACHINE	1	2.00	2.00	220/1/60
32	DRILL PRESS w/ CROSS TABLE POWER FEED	1	2.00	2.00	220/1/60
33	OVERHEAD CRANE 1.85 TONS	6	5.00	30.00	380/3/60
34	AIR COMPRESSOR	2	15.00	30.00	380/3/60
35	DRILLING MACHINE	1	1.00	1.00	220/1/60
36	GRINDING MACHINE	1	1.00	1.00	220/1/60
37	DESERT COOLER	20	1.50	30.00	220/1/60
38	FORKLIFT	1	-	-	-

PRODUCTION CAPACITY

- A. ANNUAL PRODUCTION CAPACITY:
 - 1. AMBULANCE TYPE 1 = 25 UNITS/YEAR
 - 2. AMBULANCE TYPE 2 = 420 UNITS/YEAR
 - 3. AMBULANCE TYPE 3 = 25 UNITS/YEAR
 - 4. HANDICAP VEHICLES = 30 UNITS/YEAR
 - 5. MAINTENANCE SERVICE = 163 UNITS/YEAR
- B. DAILY PRODUCTION CAPACITY:
 - 1. AMBULANCE TYPE 1 = 0.08 UNIT/DAY
 - 2. AMBULANCE TYPE 2 = 1.4 UNITS/DAY
 - 3. AMBULANCE TYPE 3 = 0.08 UNIT/DAY
 - 4. HANDICAP VEHICLES = 0.1 UNIT/DAY
 - 5. MAINTENANCE SERVICE = 0.54 UNIT/DAY
- C. NO. OF SHIFTS PER DAY = 1 SHIFT/DAY
- D. NO. OF DAYS PER YEAR = 300 DAYS/YEAR

INDUSTRIAL LAYOUT PLAN

SCALE 1:200

KINGDOM OF SAUDI ARABIA
 Ministry of Defence and Aviation
 Presidency of Civil Defence Aviation
 International Airports Projects
 King Khaled International Airport



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NAME OF PROJECT: Monofeth Ambulance and Handicap Vehicles L.L.C.

INDUSTRIAL LAYOUT PLAN LIST OF MACHINERY **IND.1**

PROJECT NO. SCALE DATE TOTAL SHEETS

1:200 23-10-04

drawn by : amb