

DWG 04A040000 - REVISION G

November 12, 2002

LIST OF COMPONENTS- FOR TYPE I SHOP EQUIPMENT, WELDING (SEW)

ITEM	NAME	DESCRIPTION	QUANTITY	WARRANTY
1.	ALLEN WRENCH SET	L-Form, hex in 13 sizes, 1/16" thru 3/8" FRACTIONAL	1 SET	L
2.	ALLEN WRENCH SET METRIC	L-Form, hex in 14 sizes, 1.5mm thru 10mm METRIC	1 SET	L
3.	APRON, WELDER'S, SPLIT	Leather or cloth, one size fits all, treated to protect the user from sparks, weld spatter and hot metal. The material shall be flame resistant and capable of withstanding direct contact with sparks.	1 EA	C
4.	AWL, SCRATCH	3-1/2" alloy steel tapered blade imbedded into a molded knob handle. A steel ferrule and cap shall be incorporated to prevent injury.	2 EA	C
5.	BLADE, HACKSAW	10 INCH, composite steel blade, standard tooth form, raker tooth set, 18 TEETH/INCH must be usable with saw selected.	10 EA	N
6.	BLADE, HACKSAW	10 INCH, composite steel blade, standard tooth form, raker tooth set, 24 TEETH/INCH must be usable with saw selected.	10 EA	N
7.	BLADE, HACKSAW	10 INCH, composite steel blade, standard tooth form, raker tooth set, 32 TEETH/INCH must be usable with saw selected.	10 EA	N
8.	BLADE, SAW RECIP	6-inch, composite steel blade, .035 thick, 14-teeth per inch, must be usable with power saw selection.	1 PKG of 5	N
9.	BLADE, SAW RECIP	6-inch, composite steel blade, .035 thick, 18-teeth per inch, must be usable with power saw selected.	1 PKG of 5	N
10.	BLADE, SAW RECIP	6-inch, composite steel blade, .035 thick, 24-teeth per inch, must be usable with power saw selected.	1 PKG of 5	N
11.	BRUSH, WIRE	rotary cup, 3"-inch diameter, with .020 steel wire trimmed to 1-1/4" length and crimped to permit use at 7000 rpm.	Equipped with a 5/8"-11 rotary arbor. 1 EA	N
12.	BRUSH, STEEL	WIRE, SCRATCH with handle or incorporate to chipping hammer.	2 EA	C
13.	CABLE ASSEMBLY	Electric power, UL 817 Outdoor use cord, Grounding Type Stow-A, 50 FT. LG. 12 GA.	(SPARE, NOT ON REEL) 1 EA	C

ITEM	NAME	DESCRIPTION	QUANTITY	WARRANTY
14.	CABLE CONNECTORS	cam action cable connectors with capacity for #1 cable, 300 amps	2 EA MALE 2 EA FEMALE CAM BLACK	C
15.	CABLE CONNECTORS	300 AMP, CAM CONNECTOR CABLE CONNECTION	2 EA MALE 2 EA FEMALE CAM RED	C
16.	CABLE CONNECTORS	WELDER LUG CONNECTOR 300 AMP, QUICK DISCONNECT FEMALE CAM BLACK	2 PC	C
17.	CABLE, WELDING EXT.	#1 FLEXIBLE, INSULATED COPPER RATED FOR 300 AMP @ 100 FT, 50 FT LG. (to be furnished with reels)	2 EA	C
18.	CHISEL, COLD STRIKE END	HAND ½ IN WIDE CUT, 5-3/4 INCH LG SHARP W/BEVELED	3 EA	C
19.	CLAMP, C	drop-forged steel, 4-inch, 4100 lb load limit with swivel handles, screws and sliding handles. The throat of the pattern shall be of the regular pattern.	2 EA	C
20.	CLAMP, C	drop-forged steel, 4-inch, 2100 lb load limit with swivel handles, screws and sliding handles. The throat of the pattern shall be of the regular pattern.	2 EA	C
21.	CLAMP, WORK	Weld cable clamp rated at 300 amps spring/manual action for establishing a welding ground.	2 EA	C
22.	CLAMP, PLIER	LOCKING WELDING CLAMP, 9 INCH OVERALL LENGTH, JAW WIDTH 2-3/4 INCHES, THROAT DEPTH 3 INCHES, CLAMPING CAPACITY 1 to 5/8 inches	1 EA	N
23.	CLEANING SET, TIPS	torch tip orifice tools, sizes .060 thru .150 diameter, tips and flat file attached, folded containment and single-tool usable/accessible without detachment.	1 SE	C
24.	COMPRESSOR, AIR	Piston type, 6 SCFM @ 90 PSI w/tank and air gage	1 EA	N
25.	SOAPSTONE HOLDER	pencil type soapstone holder 6 inches long with a carton of 20 white refills.	1 EA	N
26.	CURTAIN, WELDING	48inch x 60inch transparent vinyl weld curtains of 14 mil thickness shall be provided to protect the eyes from ultraviolet rays, sparks and spatter. Edges shall be doubled and sized to comply with the overall dimensions. Hems shall be electrically welded or sewn to hold corners flat. Grommets shall be installed at the corners and across the T op and bottom edges on 12 inch centers to enable hanging from hooks on the roof.	4 EA	N

ITEM	NAME	DESCRIPTION	WARRANTY
27.	CURTAIN HOOKS	S-hooks of 1/8-inch plated steel rod 20-inches long with 5/8-inch radius by 3/4- inch long hook each end shall be tie-tied to the center divider inside the weld shop enclosure. 10 EA	C
28.	CYLINDER, ARGON	Cylinder, capacity 220 cubic feet at 2015 PSI, 9-inch diameter by 51-inches tall equipped with a CGA-540 type connection for argon, color gray, meet requirements of the DOT & Compressed Gas Association. 1 EA	C
29.	HOSE, REEL TO CYL	¼ INCH, GREEN, ARGON cut to length and equipped with standard fittings needed for direct connection between the cylinder, regulator and argon hose reel. 1 EA	C
30.	CYLINDER, OXYGEN	Cylinder, capacity 250 cubic feet at 2265 PSI, 9-inch diameter by 51-inches tall, equipped with a CGA-540 type connection for oxygen, color green, meets requirements of the DOT & Compressed Gas Association. 1 EA	C
31.	HOSE, REEL TO CYL	¼ INCH, GREEN, OXYGEN cut to make direct connections with standard fittings between the cylinder, regulator and reel. 1 EA	C
32.	CYLINDER, PROPYLENE	cylinder, capacity 50 cubic feet at 240 PSI, 12.5-inches by 28-inches tall and fitted with a CGA-510 type connection for propylene regulators. Meets the requirements of the DOT and the Compressed Gas Association 1 EA	C
33.	HOSE, REEL TO CYL	T-type, oxygen-propylene hose 3/8" ID, length to suit, with standard fittings to interconnect cylinder, pressure regulator and reel. 1 EA	C
34.	DISK, ABRASIVE Grinder	4-1/2 INCH, Metal Work Grinding Disks to be used by Small Angle 24-GRIT BOX OF 10	N
35.	DISK, ABRASIVE Grinder	4-1/2 INCH, Metal Work Grinding Disks to be used by Small Angle 36-GRIT BOX OF 10	N
36.	DISK CUTTING	4-1/2 inch, Metal Work Cutting, diamond grit or equal, for use with selected small angle grinder. 6 EA	N
37.	DRILL SET, TWIST	straight shank, high speed cobalt steel, jobber short length, fractional sizes, 1/16" thru ½" in 1/16" increments with case. 1 SE	C
38.	DRILL, ELECTRIC	½-capacity, reversible, 0-500 rpm, 120V-6amp AC with electric cord and NEMA 5-15 receptacle, equipped with chuck key, trigger lock and quick release. 1 EACH	C
39.	DUPLEX HOSE ASS'Y.	T-type oxygen/propylene twin-hose, 5/16 inch ID, 50 foot long 1 EA	C
40.	EAR PLUGS	foam type hearing protective plugs 1 Box (100 pieces)	N

ITEM	NAME	DESCRIPTION	WARRANTY
41.	ELECTRODE, CARBON FOR AIR ARC GOUGING	3/16 X 12 INCH ROUND, COPPER CLAD, DC BOX OF 50	N
42.	ELECTRODE, CARBON FOR AIR ARC GOUGING	5/32 X 12 INCH ROUND, COPPER CLAD, DC BOX OF 50	N
43.	ELECTRODE, SS	STAINLESS 308-15, 3/16 DIA 10 LB 1 BOX	N
44.	ELECTRODE DRYER	for DAMP 18" ELECTRODE, 10 LB CAP, 250 DEG F, 8" DIA x 24.5" LG, AC 115 V SPH 60 W/CORD 1 EA	C
45.	ELECTRODE, TUNGSTEN CERIATED EWZR (RED)	AWS A5.12, 0.062 X 7.0 INCHES LG. 3 PC	N
46.	ELECTRODE, TUNGSTEN CERIATED EWP (GREEN)	AWS A5.12, 0.094 X 7.0 INCHES LG. 3 PC	N
47.	ELECTRODE, TUNGSTEN CERIATED EWP (GREEN)	AWS A5.12, 0.125 X 7.0 INCHES LG. 3 PC	N
48.	ELECTRODE, WIRE	AWS A5.10 ER5356, .030 INCH DIAMETER ALUMINUM WELDING, 10 LB SPOOL 1 SP	N
49.	ELECTRODE WIRE	.030, 4043, 1 LB SPOOL ALUMINUM 5 SP	N
50.	ELECTRODE WIRE	.030, 5053, 1 LB SPOOL ALUMINUM 5 SP	N
51.	ELECTRODE,	1/16-inch flux-cored, type 81N1 welding wire for single or multiple pass applications, tensile strength 80000 PSI, yield 69000 PSI, elongation 29% for high impact toughness. 1 SPOOL, 10 LB	N
52.	ELECTRODE WELDING	AWS A5.1 E6010, 0.156 X 14 INCHES LG. 10 LB	N
53.	EXTINGUISHER, FIRE	10 pound, ABC Type furnished with vehicle mount, indicating gage and quick pin release. Must conform to NFPA-10 1 EA	C
54.	FACE SHIELD	The shield shall be provided with a universal adjustable head bracket that enables easy sizing and the shield to be flipped back. The face protective elements shall be shatter-proof, 1/16" thick, one clear and one green tint 2 PCS	C
55.	FILE SET, HAND	WELDER'S SET, 1-10 INCH BOX SMOOTH CUT FLAT FILE, 1-12 INCH HALF-ROUND BASTARD FILE, AND 1-14 INCH HALF-ROUND PIPELINER FILE. EACH W/HANDLES. 1EA	C

ITEM	NAME	DESCRIPTION	WARRANTY
56.	FIRST AID KIT	The kit shall be a commercially available single container clearly marked "FIRST AID" and be partitioned to include components that enable treatment of burns, splinters, abrasions and cuts. The following components shall be included: Adhesive bandages, compresses, gauze, adhesive tape, burn spray, iodine swabs, eye dressing pads, antiseptic swabs, eye wash solution, eye dressing kit, ammonia inhalants, scissors, boric acid eye wash and first aid booklet. 1 EA	N
57.	FLINT STRIKER	Lighter, steel construction, single hand operation, chain securable and designed to use commercially available 6-40 threaded flints attachable to the end holder on the rod. Furnished with w/1 box of flints 1 EA	N
58.	FLUX, SOLDER PASTE	AWS A5.8, CLASS FB3-A FOR STEEL, COPPER AND BRASS, 1LB CAN 1 EACH	N
59.	HAND HACKSAW	flat frame steel construction, extensible for 10-12 inch blades, open grip plastic handle, blades 4-way positionable, throat depth not less than 3-1/2 inches. 1 EA	C
60.	GLOVES, WELDER'S	The gloves shall be made of pliable heavy leather to protect the user from sparks, welding heat and brief contact with hot material. They shall be universal fit and have cuffs of a durable material for welding. Size large. 1 PR	C
61.	GLOVES, TIG WELDER'S	the gloves shall be made of a light leather to protect the user from heat from the arc and be flexible to maintain a user sensitive control of the TIG torch. Cuffs shall be made of a durable material for TIG welding. Size large. 1 PR	C
62.	GOGGLES, WELDER'S	The universal size goggles shall include 3 replaceable clear lenses and be retained by an adjustable elastic strap. The design shall permit the wearer to wear prescription glasses under the goggles. 2 PR	C
63.	GUN, AIR BLOW	The air tool shall be OSHA compliant, self relieving safety type with air screen, noise regulation compliant and have a female 1/4-18 female thread and include a quick disconnect compatible with standard fittings selected for use. 1 EA	C
64.	HAMMER SCALING	The pneumatic-impact scaling hammer shall be capable of manual lever- rate-controlled 3/8" strokes to 6000 strokes per minute at an air pressure of 80 PSI and 5.3 SCFM. The connection shall include a quick disconnect. Furnished with a flat chisel and one routing chisel and one scaling chisel. 1 EA	C
65.	HAMMER, HAND	The 2 pound, drop-forged and hardened steel hammer shall be secured to a fiberglass handle of approximately 14 inches. The hammer head shall incorporate flat beveled and cross-peened ends. 1 EA	C
66.	HAMMER, WELD	The welder's chipping hammer shall be a steel construction with a spiral wrap wire handle, the chipping wedge-head shall be forged steel, solid shank steel handle is of spring steel and a wire brush mounted opposite the wedge head is replaceable. 2 brushes are furnished. 1 EA	C

ITEM	NAME	DESCRIPTION	WARRANTY
67.	HELMET, WELDER'S	The helmet shall be designed to rotate up above the head and accept an auto-darkening electric lens that is UV protective at all times and auto-darkening in reaction to the arc of welding to eliminate flash. The helmet shall be provided 2 lenses and 2 sets of spare alkaline standard commercial AA or AAA batteries and be capable of performing at a shade 10 per ANSI/ASC Z49, AWS F2.2-89. 2 EA	C
68.	HOLDER, ELECTRODE	The holder shall be rated for 300 amps, accept cable sizes thru #1 and be capable of holding electrodes up to 1/4" size. 1 EA	C
69.	HOSE, AIR	The hose shall be a fabric braided rubber construction with a 5/16" ID, a 50 foot length and include the standard threaded connectors and quick disconnects that join the reel and the air tool, and the impact chipping hammer as applies. 1 EA	C
70.	HOSE, Oxy-Propylene	The hoses shall be a T-type twin hose, neoprene textile reinforced 50 foot, 3/8" ID, and include standard connectors that connect the reel and the torch body with standard hose couplings of 9/16-18 UNF-RH for connection. 1EA	C
71.	HOSE ASS'Y.	The Argon hose shall be a neoprene textile-reinforced 50 foot, 3/8" ID, a 50 foot length and include standard threaded connectors that join the reel and argon supply to the wire feeder or TIG torch as applies using 9/16-18 UNF-RH standard connections. 1EA	C
72.	IGNITER, FRICTION	(duplicates item #57)	
73.	LENS, GOGGLES	(deleted)	
74.	LENS, WELDING	(deleted)	
75.	LEVEL, TORPEDO	The level shall be a 9-inch aluminum body with a V-groove along the length of one side and a magnetic strip on the length of one face. It shall be furnished with bubble vials at 0, 90 and 45 degree positions and have an accuracy which is acceptable to industry best practice. 1 EA	C
76.	LIGHT, DROP EXT.	A light holder shall employ a handle with socket and protective cage that opens to accept a change of light bulbs without tools. The body of the light holder shall contain an on-off switch and plug-in receptacle and have an exterior of non-conductive rubber or plastic. The light extension shall be furnished with a 10-foot cord for use with or without the electric reel. 1 EA	C
77.	MITTENS, HEAT	Mittens, size large, shall be made of a material that totally resists burning and protects the wearer while handling materials that are up to 1000 DEG F. The construction shall employ no fingers and one opposing thumb and be long protective sleeved mittens that are made entirely of the same materials throughout. 1 PR	C
78.	OILER, HAND-PUMP	The oiler shall be provided a support base that resists tipping, and shall not empty its contents when inverted. The oiler shall employ a manual pump and spout that supports oil by the drop or flow. The volume of the pump shall be 1/4 pint and shall be steel that is painted or galvanized. 1 EA	C

ITEM	NAME	DESCRIPTION	WARRANTY
79.	PAIL UTILITY	The pail shall be pressed-steel construction for use in quenching weldments and/or carrying water to weld machine radiator. The pail shall have a minimum 2-quart capacity, a pivoting wire carrying bail and rolled edges. 1 EA	N
80.	WIRE CUTTER, DIAGONAL	The steel cutters shall be used for cutting hardened wire, nails etc. The wire cutter shall be a steel forged alloy that has sharp edges induction hardened and the tool shall be a nominal 8-inch size. The pivot shall be near the cutting edges to facilitate leverage. 1 EA	L
81.	PLIERS, SLIP JOINT	The 8-inch pliers with straight jaws, knurled surface handles, jaws incorporate a serrated pipe grip, 2-piece, 2-position assembly and a cut-off feature nearest the pivot pin. 1 EA	L
82.	PLIERS, NEEDLE NOSE	The 7-inch pliers shall employ a needle nose and side cutter for clearing and cutting spool fed wire. The handles shall be rubber coated and electrically insulated. 1 EA	L
83.	PRYBAR	The bar shall be a forged steel ¾-inch hex-stock 18 inches long. The opposing ends shall be pointed and offset wedge shaped. 1 EA	C
84.	PUNCH, CENTER, SOLID	The punch shall be made of a high impact strength steel, be ½-inch diameter body, having a beveled striking surface at one end and a 35-50-degree pointed end to permit marking drill centers or outline coordinates on plate steel. The punch shall be not less than 4 inches OAL. 1 EA	C
85.	RESPIRATOR, AIR	Filters shall offer protection from welding dust and metal fumes, shall be usable under a welding helmet or face shield, shall be packaged in a box, quantity 10 each and provided an instruction sheet with each box. 2 BOXES	N
86.	ROD, BRAZING	AWS A5.7 RBUCZN-6, COPPER, .125 X 36 INCH FLUX COATED 1 BDL -5 LB	N
87.	ROD, GROUND	This assembly shall be configured provide earth-grounding by driving 8-feet of 5/8" diameter, 36"-segmented steel rods into the ground using a sliding hammer and making an electrical connection from the the rod by ground wire and a clamp attachable to the trailer. This will reduce the hazard of electrocution to the user. 1 EACH	N
88.	ROD, WELDING	AWS A5.9 ER347, 0.093 X 36 INCHES LG FOR ALUMINUM 1 BD -5 LB	N
89.	ROD WELDING	AWS A5.9 ER347, 0.062 X 36 INCHES LG FOR STEEL 1 BD -5 LB	N
90.	ROD PROTECTOR	PLASTIC CONTAINERS 36" cylindrical, with end caps 3 EACH	C
91.	GRINDER, SMALL ANGLE	VERTICAL, 4-1/2" DIA, AC/DC for use with welding machines and Generators, with spindle-grinder lock, 3-position handle, with disk wrench, 7.5 amp, 10,000 rpm motor. 1 EA	C

ITEM	NAME	DESCRIPTION	WARRANTY
92.	SAW, RECIPROCATING	Electric powered, 9-amp, 1-1/4" stroke, dual-speed hand-held saw capable of using 10" saw blades for cutting wood and 6" saw blades for steel, with Plastic container and blade wrench. 1 EA	C
93.	SCREWDRIVER SET	6-IN -1 PHILLIPS/SLOTTED LARGE AND SMALL 1 EACH	C
94.	SCREW DRIVER SET	includes FLAT BLADE, FOR SCREW SIZES 6 THRU 1/4" CROSS-POINT FOR SCREW SIZES 6 THRU 1/4" 1EA	L
95.	SLEEVES, WELDERS	SIZE LARGE, ELASTIC CUFF, WRIST TO SHOULDER PROTECTION FROM SPARKS, HOT MATERIALS, SPATTER AND ACIDS. FURNISHED WITH ADJUSTABLE NECK STRAP FOR FIT. 1 PR	N
96.	SOLDER, 95/5	AWS SM CH-23, LEAD FREE 1 LB SPOOL	N
97.	SQUARE, CARPENTER	STEEL, 16" X 24" WITH MARKINGS ON BOTH SURFACES AND EDGES INSIDE AND OUTSIDE. IN INCHES BY 1/16THS 1 EA	C
98.	SQUARE, COMB	STEEL, 12 INCH, WITH MARKINGS TO 1/32", WITH A BUBBLE LEVEL BUILT INTO THE CAST PORTION. 1 EA	C
99.	TAPE, MEASURE	RETRACTIBLE, 12-FOOT LENGTH, STEEL BLADE, 3/4 INCH WIDE, MARKED IN 1/16" INCH INCREMENTS ONE EDGE AND 1MM METRIC INCREMENTS ON THE OTHER. The tape shall employ a thumb-brake set button or slide that will hold the tape open at any point. Furnished with a resistant coating. 1 EA	C
100.	TEMP, CRAYON	200 DEGREE INDICATING COMPOUND for preheating metal prior to welding. 3 PCS	N
101.	TEMP, CRAYON	400 DEGREE INDICATING COMPOUND for preheating metal prior to welding. 3 PCS	N
102.	TIG MODULE	200 AMP CAPACITY Works with the selected weld machine and associated welding equipment OF OTHER EXISTING TRAILER MOUNTED WELD SHOPS 1 EA	C
103.	TORCH, AIR	Air Arc Gouging, rated for 300 amps, holds gouging electrodes and an air orifice that can concentrate a blast of compressed air to remove metal as it becomes molten. To work with the compressor selected @ 5 SCFM/80 PSI. 1 EA	C
104.	TORCH OUTFIT	TIG W/3 COLLETS, 3 GAS LENS, 3 CERAMIC CUPS, TIG BACK CAP, APPROX. 12'- HOSE AND SELECTED TO WORK WITH THE WELD MACHINE AND ASSOCIATED EQUIPMENT OF OTHER WELD SHOPS TORCH EQUIPPED WITH FINGER AMP CONTROLS 1 EA	C

ITEM	NAME	DESCRIPTION	WARRANTY
105.	TORCH SET	OXY-PROPYLENE PROCESS CONSISTING OF HANDLE & 2 CHECK VALVES, CUTTING ATTACHMENT, BRAZE TIP SIZE 3,5 & 9 AND HEAT TIP WITH SIZE 1,4 & 6 PREHEAT NOZZELS. Torch selected to work with other equipment of this weld shop and that of other trailer weld shops. 1 EA	C
106.	VALVE, REGULATOR	ARGON, PRESSURE/FLOWMETER with 9/16"-18 cylinder connection and an adapter for 5/8"-18 R.H. outlet, 1/8" NPT in let connection. UNF RH female threads for connection to coupling hose nut. Content and manual adjustable flow control of NLT 1 to 40 SCFH. Gage shall be the elastic element type and markings shall conform to underwriters laboratory requirements for marking p/n, Manufacturer and NSN. Conforms to CGA E-4. 1 EA	C
107.	ADAPTER	POWER CABLE , TIG Selected to support and conform to existing weld machine and that of equipment furnished on other trailer weld shops of this type. 1 EA	C
108.	VALVE, REGULATOR	AIR A spare, selected to fit as direct replacement for the air valve regulator furnished with the compressor selected. 1 EA	C
109.	VALVE, REGULATOR	OXYGEN: CGA 540 inlet for connection to oxygen bottle, spring-loaded diaphragm type. Single stage, manual adjustable, regulator, outlet connection 5/16"-18 UNF RH male threads for connection to hose coupling nut. Medium duty regulator, Gages shall be 2-1/2" and read PSI 0 to 3000 PSI content, 1 to 110 PSI delivery, material, design and marking shall comply with CGA. Gages shall be of the elastic element type and conform to requirements for marking, p/n, manufacturer and NSN. This regulator is part of the oxy-propylene welding set. 1 EA	C
110.	VALVE, REGULATOR	PROPYLENE: CGA 510 inlet for connection to gas bottle, spring loaded diaphragm type, single stage manually adjustable regulator, outlet connection 5/16"-18 UNF LH male threads for connection to hose coupling nut. Heavy duty regulator. Gages shall be 2-1/2" and read PSI, 0 to 400 PSI, content 0 to 40 PSI delivery range. Material design, manufacture and performance shall conform to the CGA E-4. Gages shall be of the elastic element type 1 EA	C
111.	WISE, MACHINIST'S	4-1/2 INCH JAW, W/bolt type mount plate and swivel base. The vise shall be cast iron and capable of being used as an anvil at the rear surface. The vise shall be equipped with 2-manual screws for securing swivel action. The jaws shall have a serrated pipe throat incorporate with the under side of the jaws for holding tube and pipe. 1 EA	C
112.	WELD MACHINE	AC/DC, water cooled-diesel power, 250 AMP, 100% DUTY CYCLE welder/generator. The power source shall be suitable for mounting on a trailer, shall not weigh more than 800 lbs, fit within an envelope of 50-inches length, 20-inches width, and 36-inch height. The weld shop shall be capable of performing TIG/STICK at 280 amps-100% duty cycle, MIG/FCAW at 250 amps-100% duty cycle. The generator shall produce NLT 9000 watts of 120/240 VAC, 80/40 Amp, 60 HZ power. The welder shall be selected to be compatible with all ancillary equipment and accessories that are used on the Type I trailer weld shop and totally interchangeable with existing production units in the field. 1 EA	C

ITEM	NAME	DESCRIPTION	
	WARRANTY		
113.	HI FREQUENCY ARC STARTER & STABILIZER	For TIG (selected for compatibility with the weld machine as needed)	C
		1 EA	
114.	WIRE FEEDER	200 AMP, 100% DUTY CYCLE , 70-850 IPM FEED WIRE SIZES .025 TO .060 Dia. w/MIG contact spares, drive rollers for steel and aluminum, size NTE 24"L x 10"W x 16" H, weigh more than 34 lbs and shall feed gas and wire for MIG or FCAW welding.	C
		1 EA	
115.	TORCH, MIG GUN W/ (1) STEEL LINER , (1) ALUMINUM LINER, EACH 10 FT LG		C
		1 EA	
116.	SPOOL GUN connector & controls	200 AMP, uses .023-.062 aluminum on 11b spools w/ STD 14 pin	C
		1 EA	
117.	WRENCH SET	10 INCH NOMINAL, ADJUSTABLE with channeled handle, open at end, adjusting nut shall be knurled, minimum opening shall be 1-1/8", plain grip, smooth jaws.	L
		1 EA	
118.	WRENCH	10-WAY WELDERS COMBINATION with sizes 7/16" to 1-1/8", forged with 10 openings sized for all standard nuts and connectors. Includes socket for standard cylinders.	C
		1 EA	
119.	FLASHBACK ARRESTORS	2-GREEN FOR OXYGEN, 2-RED FOR PROPYLENE FIT TO HOSE / TORCH CONNECTIONS Selected to prevent back-burning within hose.	C
		1 SET	
120.	FUNNEL	Sized to perform oil changes on the welder diesel engine.	N
		1 EA	
121.	ROD GUARDS	14 INCH tubular with a capacity of NLT 10 lbs of welding rod, plastic molded with moisture proof end caps.	C
		6 EACH	
122.	TARP	COVER 9' X 12' X 13 OZ /SQ YD W/eyelets at 12" centers and BUNGEE TIE DOWNS	N
		1 EA	
123.	TIG ROD CONTAINER	For 36" TIG filler rod aluminum and steel, with water tight caps for access.	C
		2 EA	
124.	REGULATOR GUARD	ARGON GAGE/REGULATOR SAFETY GUARD	C
		1 EA	
125.	REGULATOR GUARD	OXYGEN REGULATOR SAFETY GUARD	C
		1 EA	
126.	REGULATOR GUARD	PROPYLENE REGULATOR SAFETY GUARD	C
		1 EA	
127.	HOSE REEL TWIN HOSE	RETRACTIBLE, 50 FT WITH T-TYPE OXYPROPYLENE	C
		1 EA	
128.	HOSE REEL FOR ARGON.	RETRACTIBLE, WITH 50 FOOT OF .375 ID X .69 OD HOSE	C
		1 EA	
129.	HOSE REEL	RETRACTIBLE, AIR HOSE WITH QUICK DISCONNECT #215	C

FEMALE COUPLER 1 EA

ITEM	NAME	DESCRIPTION	WARRANTY
130.	POWER-IN REEL W/3-PRONG PLUG	RETRACTIBLE, 3-CONDUCTOR, FOR 2-PHASE 120-60 CYC 1 EA	C
131.	POWER-OUT REEL CYC W/ RECEPTICAL	RETRACTIBLE, 3-CONDUCTOR, FOR 2-PHASE 120-60 1 EA	C
132.	CABLE REEL WELD CABLE INSTALLED	RETRACTIBLE, FOR WORK AND GROUND WITH 50 FT #1 2 EACH	C
133.	BENCH LIGHT	DOOR MOUNT, PERMANENT 2 EACH	C
134.	ROOF ROPE	3/8" NYLON 25 FT LG. 1 EA	N
135.	WHEEL CHOCKS	1 PR	C

NOTE: WARRANTY COLUMN DEFINITIONS

L = LIFETIME WARRANTY

C = COMMERCIAL AVAILABLE WARRANTY

N = NO WARRANTY