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TM3,TM4 & TM6

3, 4 & 6 ft Tractor Mount Sprayer
TM Series

Assembly, Parts and Operator's Manual

Version TM-2507

Table of Contents

Safety

Many people die or suffer serious injury in job related accidents every year due to carelessness. Know your machinery and be aware of potential hazards. Put safety first in all your operations.

Review all instructions and procedures outlined in this manual annually. Every operator must familiarize himself with the operating instructions of the sprayer.

Operational Safety

Shut down sprayer and power unit and wait for all parts to stop before adjusting, cleaning, or lubricating the power unit or sprayer.

Before spraying a field familiarize yourself with any rocks, debris, trees, ditches or gullies that may be potentially dangerous. Plan the spraying route to avoid these hazards.

Spray only chemicals that unit was designed for, (ie turf application). Do not use products for which unit was not designed, (ie PAINT, sealants, cleaning fluids, dust inhibitors, ice surfaces).

Minimize Chemical Drift

The **Windfoil** sprayer was designed in a wind tunnel to control air flow around and behind the sprayer minimizing drift to allow safer spraying in windy conditions.

Drift can blow off a field after it has been sprayed, especially in high winds. Reasonable caution should be taken in order to spray effectively and safely.

For maximum drift control, keep curtain in contact with the ground to ensure a seal to it. Drift control of the *Windfoil* is less effective when the wind blows the curtain off the crop canopy breaking the seal between the curtain and the crop.

General Spraying Information

Application Tips

Always use clean filtered water in the sprayer tank.

Your **Windfoil** Drift Containment Spray System (DCSS) comes standard with stainless steel insert tips. Please contact your manufacturer or see the application rate table in this manual for various sizes of tips available for your machine.

Check the flow rate from all nozzles using the capacity calibration technique; see the Calibration section for tables and instructions. Use clean filtered water for all calibration testing. Adjust the sprayer pressure to get the proper flow rate. The flow meters are not accurate enough in absolute terms to be used as a flow meter. In relative terms they are very accurate.

Caution:	Conventional tips are rated at 40 psi (3 bar), for example a 8004 tip at 40 psi (3 bar) delivers 0.4 US gal/min (1.5 litres/min) . Only conventional 80° tips are recommended for the **Windfoil TM** series. Wider angle tips (110°) have a wider pattern than 80° and will hit the curtain at the ends of the boom and are not recommended.

Nozzles

Despite being the most important component for accurate uniform spraying application, nozzles are often neglected and abused.

Nozzle flow rate depends on effective orifice size and pressure. Spray tip manufacturers have supplied tables of nozzle application rates at various pressures, for the best results it is recommended that you follow these guidelines.

The rule of thumb is that as you increase the pressure to your unit the average droplet size decreases. Normally with conventional open boom sprayers large droplets are used to control drift but large droplets can roll off plants without sticking. With the **Windfoil** covered spray system you will be able spray with smaller droplets, increase coverage and not worry about drift.

The spray patterns must overlap for even coverage but should not interfere with one another. Nozzles are set at a 10° angle so that one edge of its pattern will be just behind the edge of its adjacent spray pattern, evading interference with each other.

Typically as a tip wears the spray pattern distorts output volumes usually increase and the droplet characteristics change. Recalibration may correct for output changes, but cannot correct for spray pattern changes or the drop size generated.

Caution:	When spraying next to a flower bed, do not spray over the turf edge as the spray will go under the curtain and onto the flowers.

Diaphragm Check Valve Nozzle Bodies

Diaphragm check valves close at approximately 15 psi (1 bar) to prevent excessive dripping. Should the cap on the valve loosen or the check valve diaphragm become misaligned, the body may leak. Stop the leak by, tightening the check valve cap or remove the cap and inspect the seal for damage or improper assembly.

To check for defective check valves when the spraying stop control has been actuated, the volume that drips from each nozzle should not exceed 2ml timed over a 5 minute period. The measuring is to start 8 seconds after the flow to the spray boom is shut off.

Nozzle caps are attached by engaging the cap and turning clockwise about a third of a turn. Self-aligning caps have a slot to align the tips. Ensure that the tips fit down into the slotted hole before installing caps on the diaphragm nozzle body assembly with the tip screens.

Non-aligning caps are also available for special tips.

Calibration

As a tip wears recalibration may be required. Collect the output from each nozzle for 60 seconds, using an accurate measuring cup. Use clear water for all testing. Record the output from each nozzle. Replace nozzles that are more than 5% above or below the average reading, or has a visibly distorted pattern.

Application Rates, 12" Spacing

80 Deg. Tips

Rogers Part #	Tip Number	Liquid Press psi	Capacity 1 nozzle gpm	U. S. GALLONS PER ACRE 2.5 mph	3 mph	4 mph	5 mph	7 mph	U. S. GALLONS PER 1000 SQ. FT. 2.5 mph	3 mph	4 mph	5 mph	7 mph	Press bars
05872	800067SS	30	0.058	11.5	9.6	7.2	5.7	4.1	0.26	0.22	0.16	0.13	0.09	2.07
	(200 mesh)	40	0.067	13.3	11.1	8.3	6.6	4.7	0.30	0.25	0.19	0.15	0.11	2.76
		50	0.075	14.8	12.4	9.3	7.4	5.3	0.34	0.28	0.21	0.17	0.12	3.45
		60	0.082	16.2	13.5	10.2	8.1	5.8	0.37	0.31	0.23	0.19	0.13	4.14
01369	8001VS	30	0.087	17.1	14.3	10.7	8.6	6.1	0.39	0.33	0.25	0.20	0.14	2.07
	(100 mesh)	40	0.100	19.8	16.5	12.4	9.9	7.1	0.45	0.38	0.28	0.23	0.16	2.76
		50	0.112	22.1	18.4	13.8	11.1	7.9	0.51	0.42	0.32	0.25	0.18	3.45
		60	0.122	24.2	20.2	15.2	12.1	8.7	0.56	0.46	0.35	0.28	0.20	4.14
00827	80015VS	30	0.130	25.7	21.4	16.1	12.9	9.2	0.59	0.49	0.37	0.29	0.21	2.07
	or	40	0.150	29.7	24.8	18.6	14.9	10.6	0.68	0.57	0.43	0.34	0.24	2.76
15287	AXI-80015	50	0.168	33.2	27.7	20.8	16.6	11.9	0.76	0.63	0.48	0.38	0.27	3.45
	(50 mesh)	60	0.184	36.4	30.3	22.7	18.2	13.0	0.83	0.69	0.52	0.42	0.30	4.14
05876	8002VS	30	0.173	34.3	28.6	21.4	17.1	12.2	0.79	0.65	0.49	0.39	0.28	2.07
	or	40	0.200	39.6	33.0	24.8	19.8	14.1	0.91	0.76	0.57	0.45	0.32	2.76
14384	AXI-8002	50	0.224	44.3	36.9	27.7	22.1	15.8	1.01	0.84	0.63	0.51	0.36	3.45
	(50 mesh)	60	0.245	48.5	40.4	30.3	24.2	17.3	1.11	0.93	0.69	0.56	0.40	4.14
05877	8003VS	30	0.260	51.4	42.9	32.2	25.7	18.4	1.18	0.98	0.74	0.59	0.42	2.07
	or	40	0.300	59.4	49.5	37.1	29.7	21.2	1.36	1.13	0.85	0.68	0.49	2.76
14385	AXI-8003	50	0.335	66.4	55.3	41.5	33.2	23.7	1.52	1.27	0.95	0.76	0.54	3.45
	(50 mesh)	60	0.367	72.7	60.6	45.5	36.4	26.0	1.67	1.39	1.04	0.83	0.59	4.14
05878	8004VS	30	0.346	68.6	57.2	42.9	34.3	24.5	1.57	1.31	0.98	0.79	0.56	2.07
	or	40	0.400	79.2	66.0	49.5	39.6	28.3	1.81	1.51	1.13	0.91	0.65	2.76
14061	AXI-8004	50	0.447	88.5	73.8	55.3	44.3	31.6	2.03	1.69	1.27	1.01	0.72	3.45
	(50 mesh)	60	0.490	97.0	80.8	60.6	48.5	34.6	2.22	1.85	1.39	1.11	0.79	4.14
05879	8005VS	30	0.433	85.7	71.4	53.6	42.9	30.6	1.96	1.64	1.23	0.98	0.70	2.07
	or	40	0.500	99.0	82.5	61.9	49.5	35.4	2.27	1.89	1.42	1.13	0.81	2.76
14386	AXI-8005	50	0.559	110.7	92.2	69.2	55.3	39.5	2.53	2.11	1.58	1.27	0.91	3.45
	(50 mesh)	60	0.612	121.2	101.0	75.8	60.6	43.3	2.78	2.31	1.74	1.39	0.99	4.14

NEW AXI Fast Cap / Tip Combos	
Part #	Description
15482	Tip Fast Cap AXI 80015 Green
15483	Tip Fast Cap AXI 8002 Yellow
15484	Tip Fast Cap AXI 8003 Blue
15485	Tip Fast Cap AXI 8004 Red
15486	Tip Fast Cap AXI 8005 Brown

Application Rates, 12" Spacing
80 Deg. Tips

Rogers Part #	Tip Number	Liquid Press psi	Capacity 1 nozzle gpm	U. S. GALLONS PER ACRE 2.5 mph	3 mph	4 mph	5 mph	7 mph	Liters/Hectare (L/Ha) 4 kph	4.8 kph	6.4 kph	8 kph	11.2 kph	Press bars
05872	800067SS	30	0.058	11.5	9.6	7.2	5.7	4.1	107.42	89.52	67.14	53.71	38.36	0.28
	(200 mesh)	40	0.067	13.3	11.1	8.3	6.6	4.7	124.04	103.36	77.52	62.02	44.30	0.33
		50	0.075	14.8	12.4	9.3	7.4	5.3	138.68	115.56	86.67	69.34	49.53	0.37
		60	0.082	16.2	13.5	10.2	8.1	5.8	151.91	126.59	94.95	75.96	54.25	0.40
01369	8001VS	30	0.087	17.1	14.3	10.7	8.6	6.1	160.33	133.61	100.20	80.16	57.26	0.42
	(100 mesh)	40	0.100	19.8	16.5	12.4	9.9	7.1	185.13	154.28	115.71	92.57	66.12	0.49
		50	0.112	22.1	18.4	13.8	11.1	7.9	206.98	172.48	129.36	103.49	73.92	0.55
		60	0.122	24.2	20.2	15.2	12.1	8.7	226.74	188.95	141.71	113.37	80.98	0.60
00827	80015VS	30	0.130	25.7	21.4	16.1	12.9	9.2	240.49	200.41	150.31	120.25	85.89	0.63
	or	40	0.150	29.7	24.8	18.6	14.9	10.6	277.70	231.41	173.56	138.85	99.18	0.73
13351	API-80015	50	0.168	33.2	27.7	20.8	16.6	11.9	310.47	258.73	194.05	155.24	110.88	0.82
	(100 mesh)	60	0.184	36.4	30.3	22.7	18.2	13.0	340.11	283.42	212.57	170.05	121.47	0.90
05876	8002VS	30	0.173	34.3	28.6	21.4	17.1	12.2	320.65	267.21	200.41	160.33	114.52	0.85
	or	40	0.200	39.6	33.0	24.8	19.8	14.1	370.26	308.55	231.41	185.13	132.24	0.98
14384	AXI-8002	50	0.224	44.3	36.9	27.7	22.1	15.8	413.96	344.97	258.73	206.98	147.84	1.09
	(50 mesh)	60	0.245	48.5	40.4	30.3	24.2	17.3	453.47	377.90	283.42	226.74	161.96	1.20
05877	8003VS	30	0.260	51.4	42.9	32.2	25.7	18.4	480.98	400.82	300.61	240.49	171.78	1.27
	or	40	0.300	59.4	49.5	37.1	29.7	21.2	555.39	462.83	347.12	277.70	198.35	1.46
14385	AXI-8003	50	0.335	66.4	55.3	41.5	33.2	23.7	620.94	517.45	388.09	310.47	221.77	1.64
	(50 mesh)	60	0.367	72.7	60.6	45.5	36.4	26.0	680.21	566.84	425.13	340.11	242.93	1.79
05878	8004VS	30	0.346	68.6	57.2	42.9	34.3	24.5	641.31	534.42	400.82	320.65	229.04	1.69
	or	40	0.400	79.2	66.0	49.5	39.6	28.3	740.52	617.10	462.83	370.26	264.47	1.95
14061	AXI-8004	50	0.447	88.5	73.8	55.3	44.3	31.6	827.93	689.94	517.45	413.96	295.69	2.18
	(50 mesh)	60	0.490	97.0	80.8	60.6	48.5	34.6	906.95	755.79	566.84	453.47	323.91	2.39
05879	8005VS	30	0.433	85.7	71.4	53.6	42.9	30.6	801.64	668.03	501.02	400.82	286.30	2.11
	or	40	0.500	99.0	82.5	61.9	49.5	35.4	925.65	771.38	578.53	462.83	330.59	2.44
14386	AXI-8005	50	0.559	110.7	92.2	69.2	55.3	39.5	1034.91	862.42	646.82	517.45	369.61	2.73
	(50 mesh)	60	0.612	121.2	101.0	75.8	60.6	43.3	1133.69	944.74	708.55	566.84	404.89	2.99

NEW AXI Fast Cap / Tip Combos	
Part #	Description
15482	Tip Fast Cap AXI 80015 Green
15483	Tip Fast Cap AXI 8002 Yellow
15484	Tip Fast Cap AXI 8003 Blue
15485	Tip Fast Cap AXI 8004 Red
15486	Tip Fast Cap AXI 8005 Brown

Run a speed test in the area to be sprayed. The sprayer must be up to speed before starting the test run. To determine the speed mark off a distance as found on one of the tables. Push the sprayer over this distance carefully noting and recording the time to cover the distance. The speed traveled can be found for the specific distance and time to travel using the tables below.

After the nozzles have been individually checked and matched, the sprayer should be calibrated to determine the correct speed for the desired application volume. To get area covered multiply the width (TM4 – 4ft(1.22m), TM6 – 6ft(1.83m)) x distance).

Table 3: Time in Seconds to Travel Distance of:

	10	25	50	100	200
mph	(ft)	(ft)	(ft)	(ft)	(ft)
1	6.8	17.0	34.1	68.2	136.0
1.5	4.5	11.4	22.7	45.5	90.9
2	3.4	8.5	17.0	34.1	68.2
2.5	2.7	6.8	13.6	27.3	54.5
3	2.3	5.7	11.4	22.7	45.5
4	1.7	4.3	8.5	17.0	34.1
5	1.4	3.4	6.8	13.6	27.3
6	1.1	2.8	5.7	11.4	22.7

Table 4: Time in Seconds to Travel a Distance of:

	10	25	50	100	200
Km/h	(m)	(m)	(m)	(m)	(m)
1	36.0	90.0	180.0	360.0	720.0
1.5	24.0	60.0	120.0	240.0	480.0
2	18.0	45.0	90.0	180.0	360.0
2.5	14.4	36.0	72.0	144.0	288.0
3	12.0	30.0	60.0	120.0	240.0
4	9.0	22.5	45.0	90.0	180.0
5	7.2	18.0	36.0	72.0	144.0
6	6.0	15.0	30.0	60.0	120.0

Note: Tip pressure is usually less than the pressure at the pump. Losses occur in valves, hoses, etc. Always check the flow by the above calibration method.

General Maintenance

Cleaning

Sprayers need to be cleaned to prevent corrosion and cross contamination of chemicals. Trace amounts of one chemical can react with another or carry over to the next spraying and cause crop damage, especially with pesticides. Long exposures with even small amounts of some chemicals can damage sprayer components either by corrosion or gum deposits. If you spray crops that are very susceptible to injury from the last chemical used (ie vegetables, turf, and ornamentals) clean the unit especially well.

Always try to end the day with an empty tank; avoid contamination of water supplies and injury to plants or animals. Do not make puddles that might be accessible to children, pets, farm animals, or wildlife. Flush with clean water preferably after each day's operation. If you plan to use the same material over several days most chemicals may be kept in the tank overnight, labels on the chemical usually indicates which may not. Rinse the outside of the sprayer. Surfactants combined with chemicals, when they are compatible, will provide some cleaning action in the sprayer.

Some chemical combinations (especially if oil is used) may produce a putty type paste (buttering out) in the sprayer tank and components; flushing with water after each load may prevent an accumulation. If water alone does not dissolve and remove the buildup, add solvent, kerosene, or other low flammable solvent; allow paste to dissolve, then agitate and flush. Next, flush with detergent and finally with clean water. Check with your chemical agent.

Whenever pesticides are changed, or before sprayer storage, clean sprayers thoroughly with a cleaning solution. The solution used depends on the chemical to be removed from the sprayer. Check the chemical label for cleaning instructions.

First flush with water, then add the cleaning solution to the tank and thoroughly agitate before flushing. Always flush with clean water to remove the cleaning solution. Remove nozzle tips and screens; clean them in a strong detergent solution or kerosene, using a soft brush such as an old toothbrush. Never use a metal probe to clean the orifice of a spray tip!

Follow the same safety precautions during cleaning as for applications. Use a respirator, rubber gloves, or other protective gear as may be directed by label instructions.

If a nozzle becomes blocked, turn the sprayer off. Note that the spray lines could still be pressurized therefore prior to removing the cap on the nozzle body, proper safety equipment should be worn, (ie gloves, eye protection, etc).

Sunshine

Many plastic sprayer parts are degraded by ultra violet light, especially the nozzle flow indicators. Store the sprayer in the shade to extend the length of service.

Winterizing

After the sprayer is thoroughly cleaned, put 2-5 gallons (7-19 litres) of rust inhibitor or antifreeze in the tank prior to the final flushing to help prevent corrosion. As the water is pumped from the sprayer, the antifreeze will leave a protective coating on the inside of the tank, pump, and plumbing. Remove nozzle tips, screens and no-drip valves (if used) and store them in a can of light oil such as diesel fuel or kerosene to prevent corrosion. Close nozzle openings with tape to prevent dirt, insects, mice, or other contaminants from entering.

During the final cleaning, completely check the sprayer. Look at the hoses, clamps, connections, nozzle tips, and screens for needed replacements. Store the sprayer in a reasonably clean and dry building.

Last Check

⇒ Recheck all assembled parts for completeness and secure connections.
⇒ Your sprayer is now ready for a wet test, to ensure complete operation

Operation

Stainless Steel insert tips are supplied with the **Windfoil TM series**; it can also use ceramic, brass or plastic insert tips that give an actual 80º spray pattern.

With the unit fully assembled, attach the battery clips to the battery on your power unit. (be sure that the toggle switch on the handle bar is off, pump should not run once clips are on battery). (NOTE: red clip is for positive post on battery). With liquid in the tank, loosen the pressure regulator fully, ie loosen lock nut on regulator and turn top knob on pressure regulator counter clockwise. Next turn unit on by flipping the switch on, slowly tighten pressure regulator (turn clockwise) until pressure on gauge rises to 40 psi (3 bar). (NOTE: to obtain optimum pattern, you should always try and operate your spray nozzles as close to 40 psi (3bar) as possible). Due to losses in the system you might want to run your system at 42-43 psi, this should give you close to 40 psi at the tip. (NOTE: Be careful not to run the pump on an empty tank, this could cause a vapour lock in the system. To fix the problem, make sure thereis something in the tank, remove the output supply hose on the pump and start the system, take precautions as your chemical will start coming through the pump, once the liquid starts flowing shut the system off, reconnect the line and continue spraying). Watch each of the balls in the flow indicator as you spray, they should all raise to an equal level. If they are not equal the lower ball(s) indicated tips that are plugged or partially plugged. Check and clean the appropriate tip(s). If the balls are right at the top, the flow rate is too high for them. Replace them with the required balls for the tips (see the flow monitor page).

Test the unit using clear water on a firm surface such as asphalt or concrete before using spray solution. This will illustrate the effectiveness of the individual spray patterns.

Note: As this is a self contained sprayer with a small tank and does not have a separate fresh water tank, it is recommended that when filling and working with chemicals a fresh water supply is always kept in close proximity for safety reasons.

Maintenance

Cleaning and flushing with clear water after using.

Do not leave water in the unit at freezing temperatures. When storing the sprayer at freezing temperatures, run some windshield washer antifreeze through to prevent ice damage in the plastic parts.

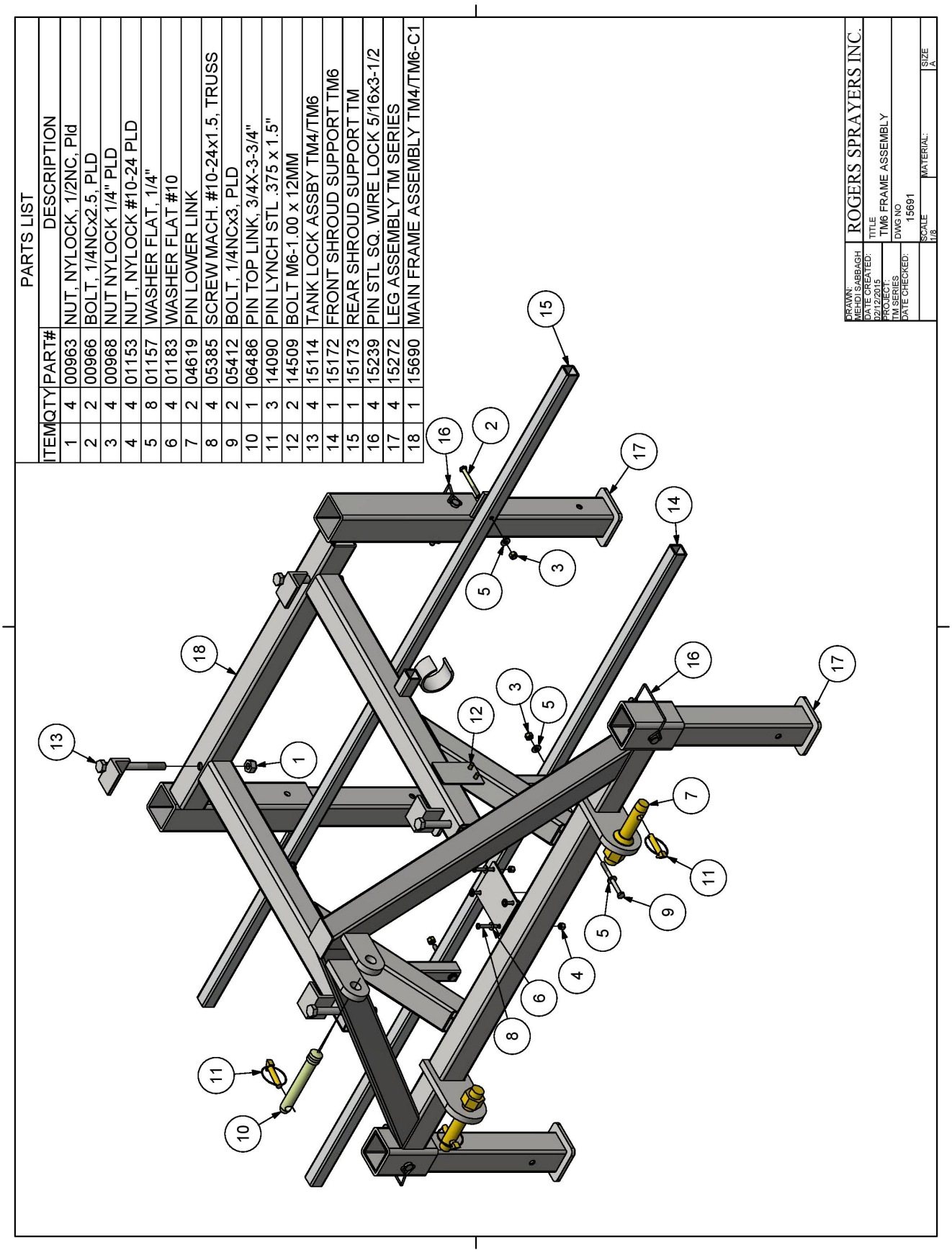
Avoid storage of your sprayer in direct sunlight for prolonged periods. Certain plastic parts on the **Windfoil TM** are not UV resistant.

Keep the unit covered or stored indoors.

Drawings and Replacement Parts

See the following pages for a parts breakdown and accessories for your unit.

Frame Assembly TM6 Part # 15691



PARTS LIST

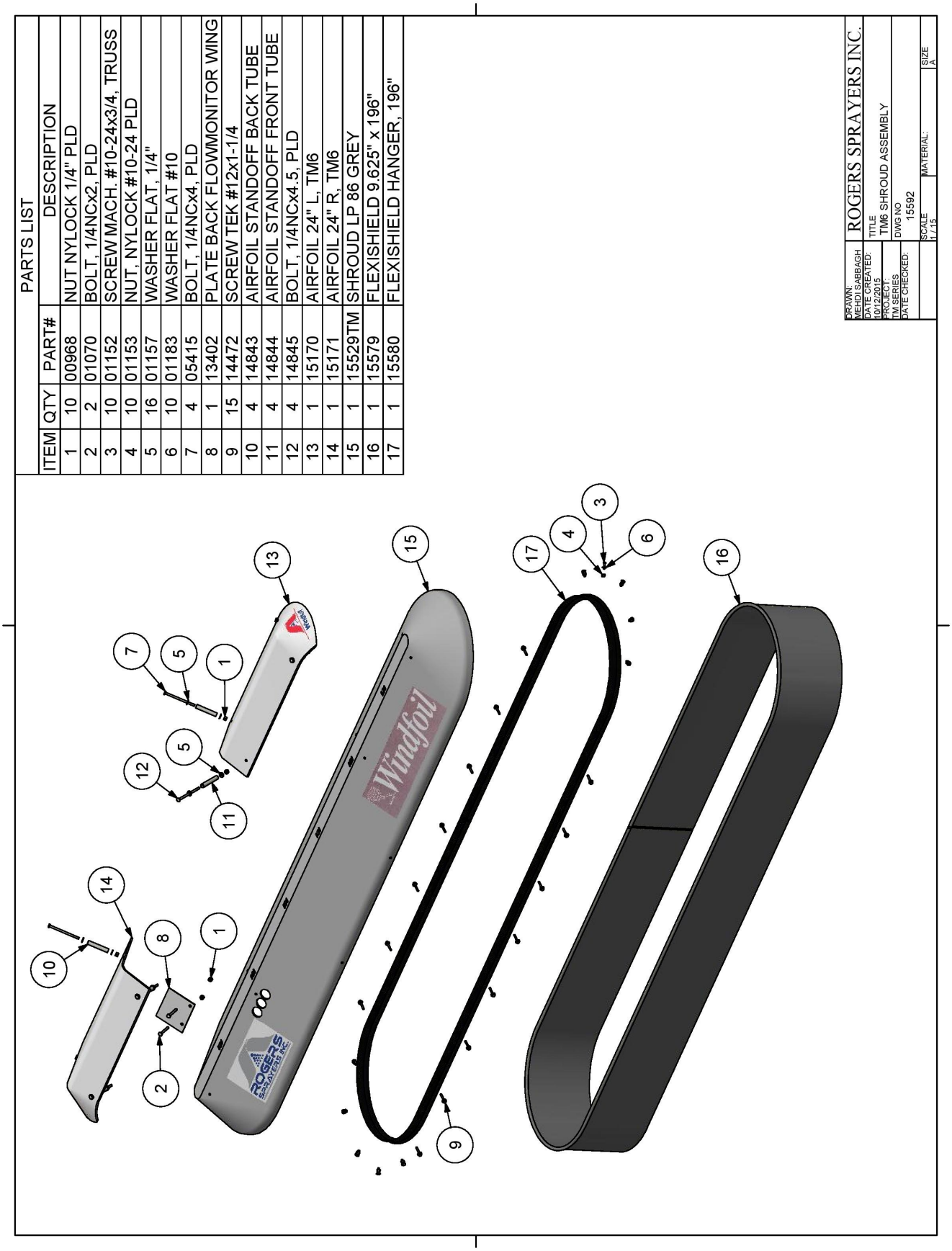
ITEM	QTY	PART#	DESCRIPTION
1	4	00963	NUT, NYLOCK, 1/2NC, Pld
2	2	00966	BOLT, 1/4NCx2.5, PLD
3	4	00968	NUT NYLOCK 1/4" PLD
4	4	01153	NUT, NYLOCK #10-24 PLD
5	8	01157	WASHER FLAT, 1/4"
6	4	01183	WASHER FLAT #10
7	2	04619	PIN LOWER LINK
8	4	05385	SCREW MACH. #10-24x1.5, TRUSS
9	2	05412	BOLT, 1/4NCx3, PLD
10	1	06486	PIN TOP LINK, 3/4X-3-3/4"
11	3	14090	PIN LYNCH STL .375 x 1.5"
12	2	14509	BOLT M6-1.00 x 12MM
13	4	15114	TANK LOCK ASSBY TM4/TM6
14	1	15172	FRONT SHROUD SUPPORT TM6
15	1	15173	REAR SHROUD SUPPORT TM
16	4	15239	PIN STL SQ. WIRE LOCK 5/16x3-1/2
17	4	15272	LEG ASSEMBLY TM SERIES
18	1	15690	MAIN FRAME ASSEMBLY TM4/TM6-C1

DRAWN: MEHDI SABBAGH
DATE CREATED: 02/12/2015
PROJECT: TM SERIES
DATE CHECKED:

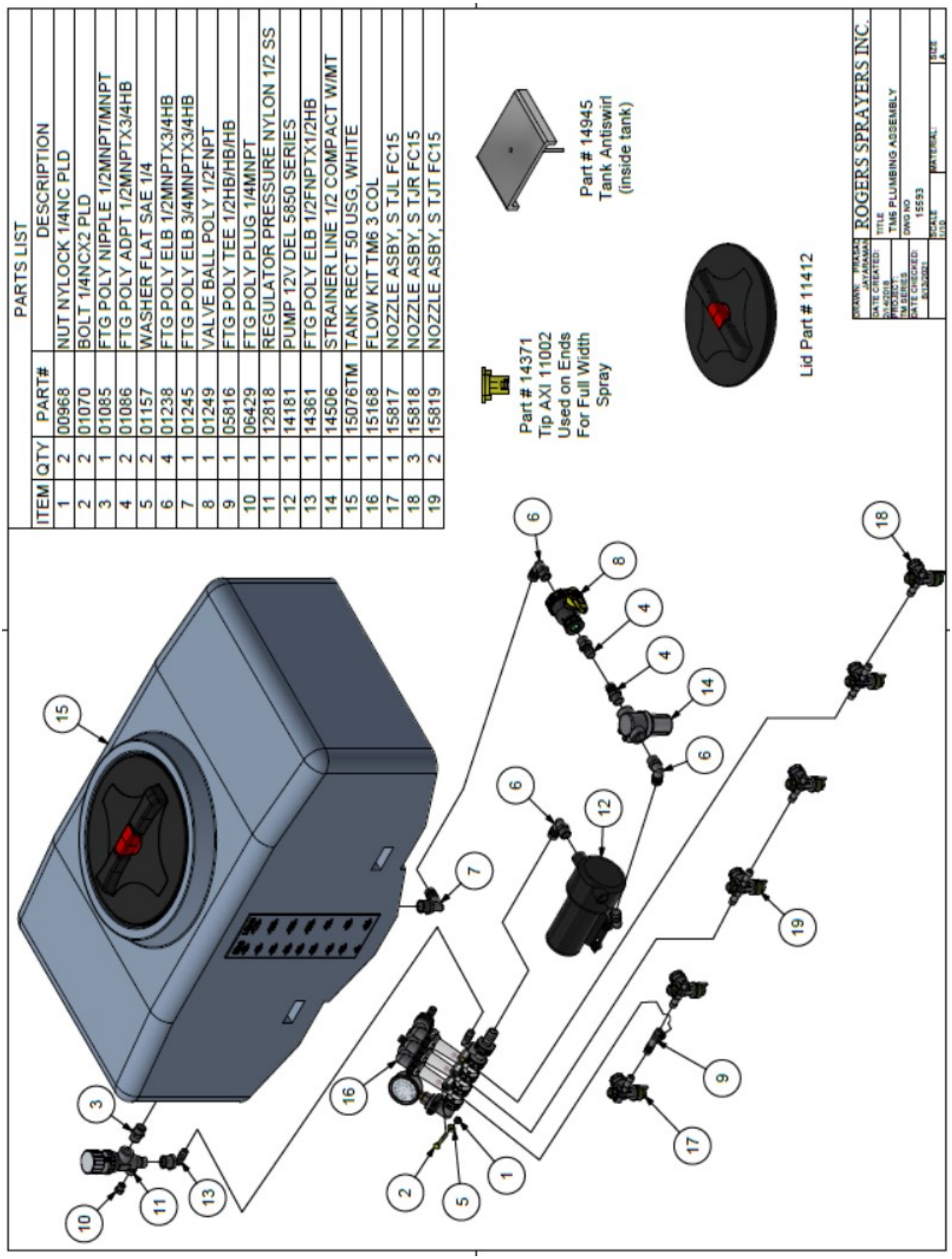
ROGERS SPRAYERS INC.

TITLE: TM6 FRAME ASSEMBLY
DWG NO: 15691
SCALE: 1/8
MATERIAL:
SIZE: A

Shroud Assembly TM6 Part # 15592



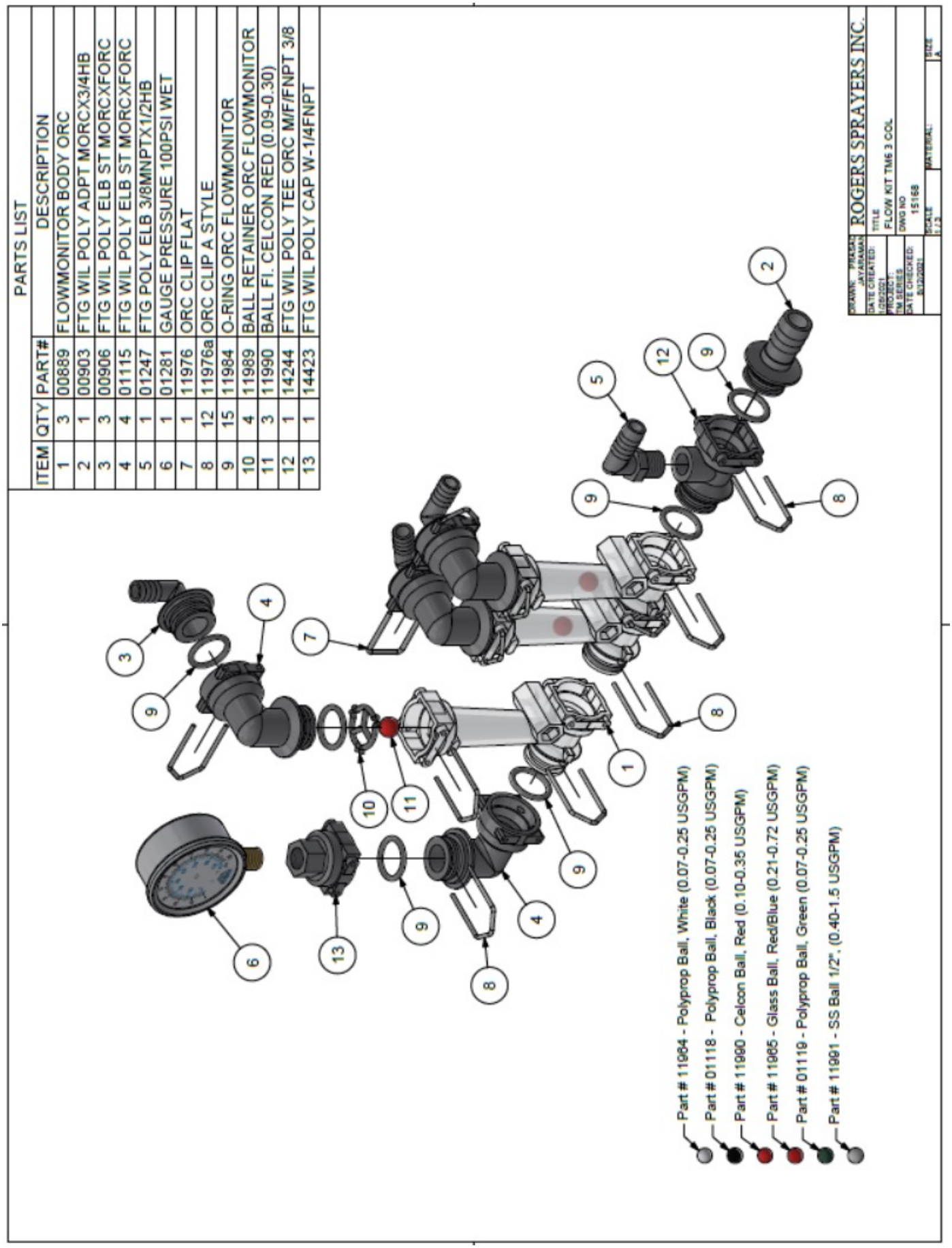
Plumbing Assembly TM6 Part # 15593



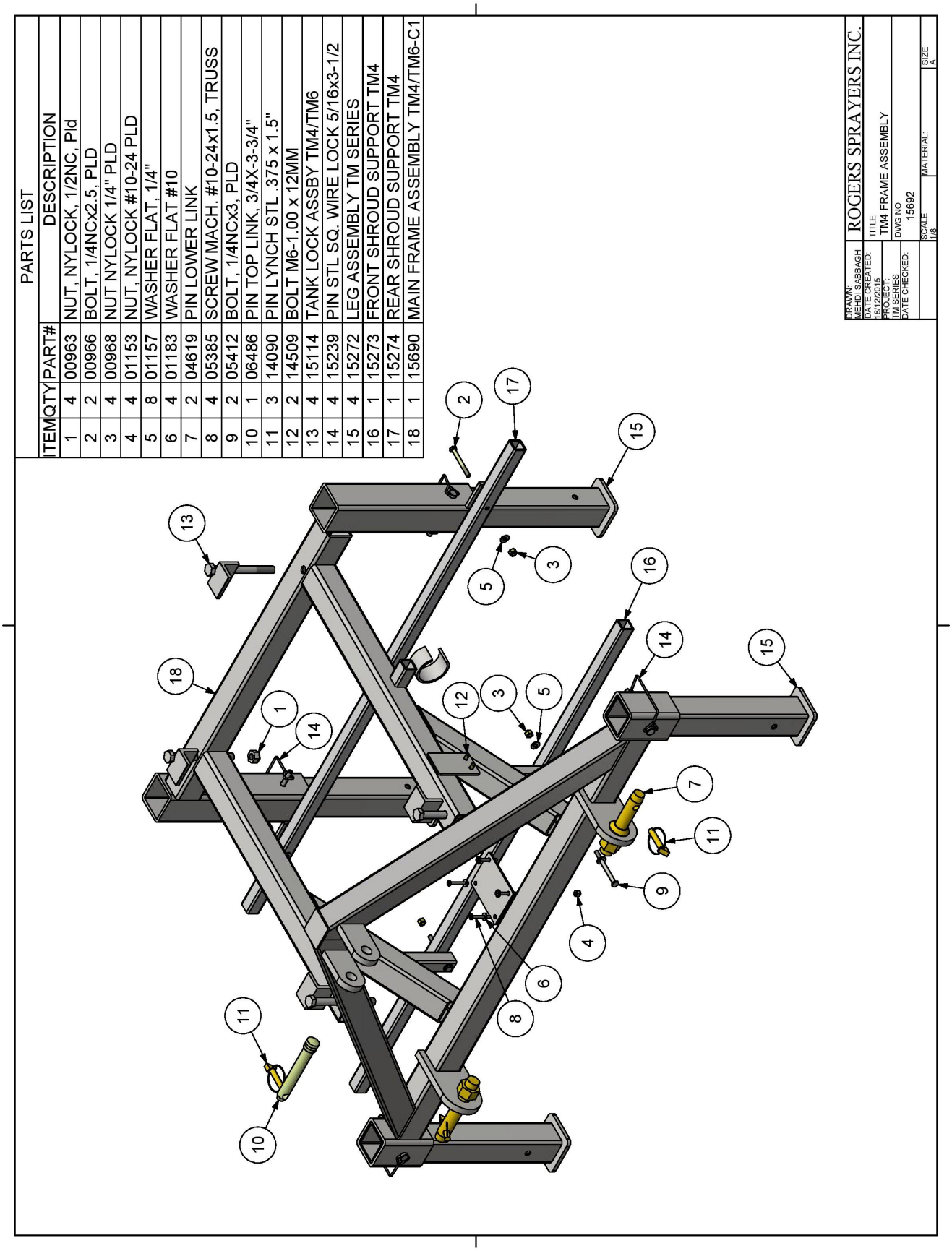
Flowmonitor Assembly TM6 Part # 15168

PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	3	00889	FLOWMONITOR BODY ORC
2	1	00903	FTG WIL POLY ADPT MORCX3/4HB
3	3	00906	FTG WIL POLY ELB ST MORCXFORC
4	4	01115	FTG WIL POLY ELB ST MORCXFORC
5	1	01247	FTG POLY ELB 3/8MNPTX1/2HB
6	1	01281	GAUGE PRESSURE 100PSI WET
7	1	11976	ORC CLIP FLAT
8	12	11976a	ORC CLIP A STYLE
9	15	11984	O-RING ORC FLOWMONITOR
10	4	11989	BALL RETAINER ORC FLOWMONITOR
11	3	11990	BALL FI. CELCON RED (0.09-0.30)
12	1	14244	FTG WIL POLY TEE ORC M/F/FNPT 3/8
13	1	14423	FTG WIL POLY CAP W-1/4FNPT



Frame Assembly TM4 Part # 15692



PARTS LIST

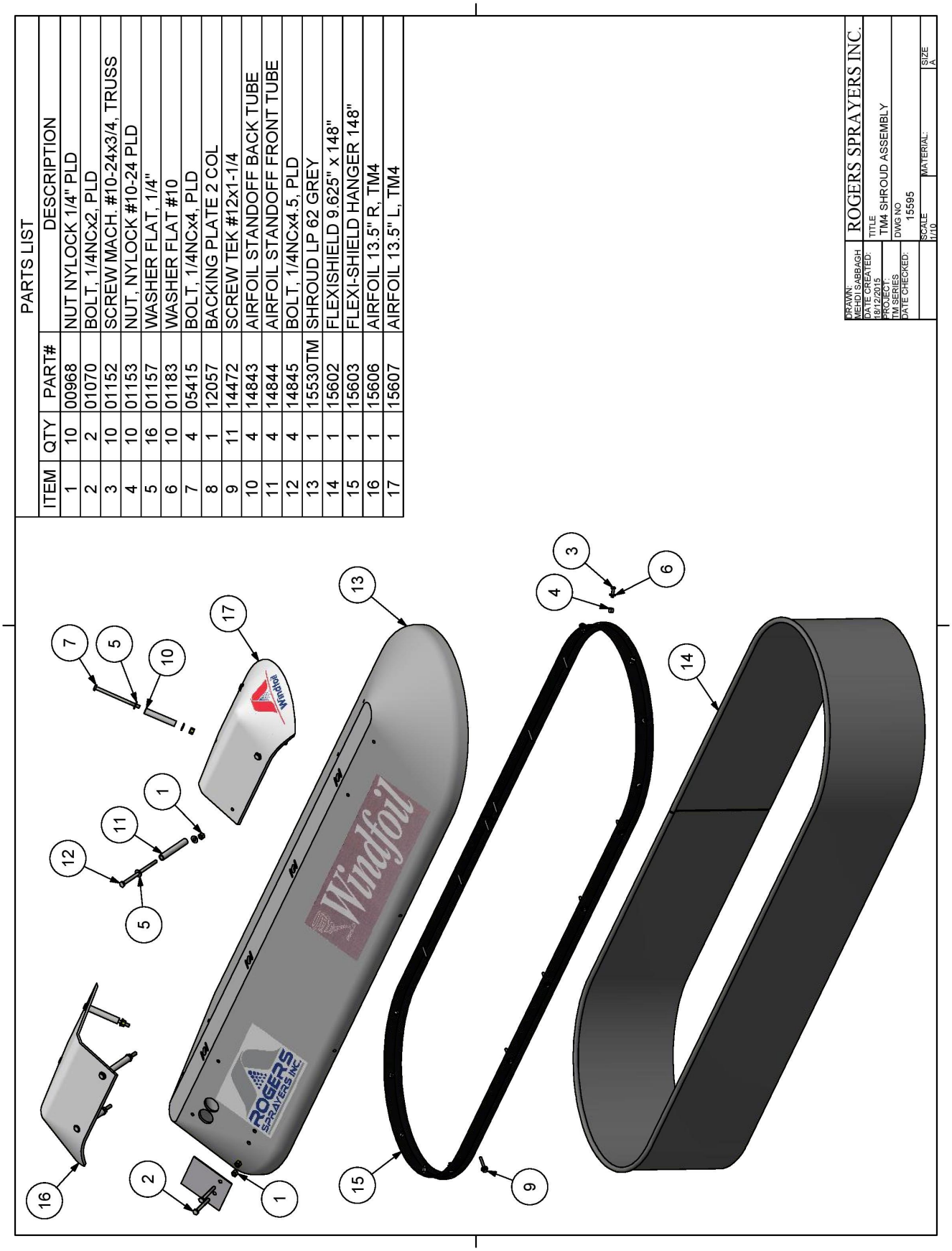
ITEM	QTY	PART#	DESCRIPTION
1	4	00963	NUT, NYLOCK, 1/2NC, Pld
2	2	00966	BOLT, 1/4NCx2.5, PLD
3	4	00968	NUT NYLOCK 1/4" PLD
4	4	01153	NUT, NYLOCK #10-24 PLD
5	8	01157	WASHER FLAT, 1/4"
6	4	01183	WASHER FLAT #10
7	2	04619	PIN LOWER LINK
8	4	05385	SCREW MACH. #10-24x1.5, TRUSS
9	2	05412	BOLT, 1/4NCx3, PLD
10	1	06486	PIN TOP LINK, 3/4X-3-3/4"
11	3	14090	PIN LYNCH STL .375 x 1.5"
12	2	14509	BOLT M6-1.00 x 12MM
13	4	15114	TANK LOCK ASSBY TM4/TM6
14	4	15239	PIN STL SQ. WIRE LOCK 5/16x3-1/2
15	4	15272	LEG ASSEMBLY TM SERIES
16	1	15273	FRONT SHROUD SUPPORT TM4
17	1	15274	REAR SHROUD SUPPORT TM4
18	1	15690	MAIN FRAME ASSEMBLY TM4/TM6-C1

DRAWN: MEHDI SABBAGH	ROGERS SPRAYERS INC.
DATE CREATED: 18/12/2015	TITLE: TM4 FRAME ASSEMBLY
PROJECT: TM SERIES	DWG NO: 15692
DATE CHECKED:	SCALE: 1:8 MATERIAL: SIZE: A

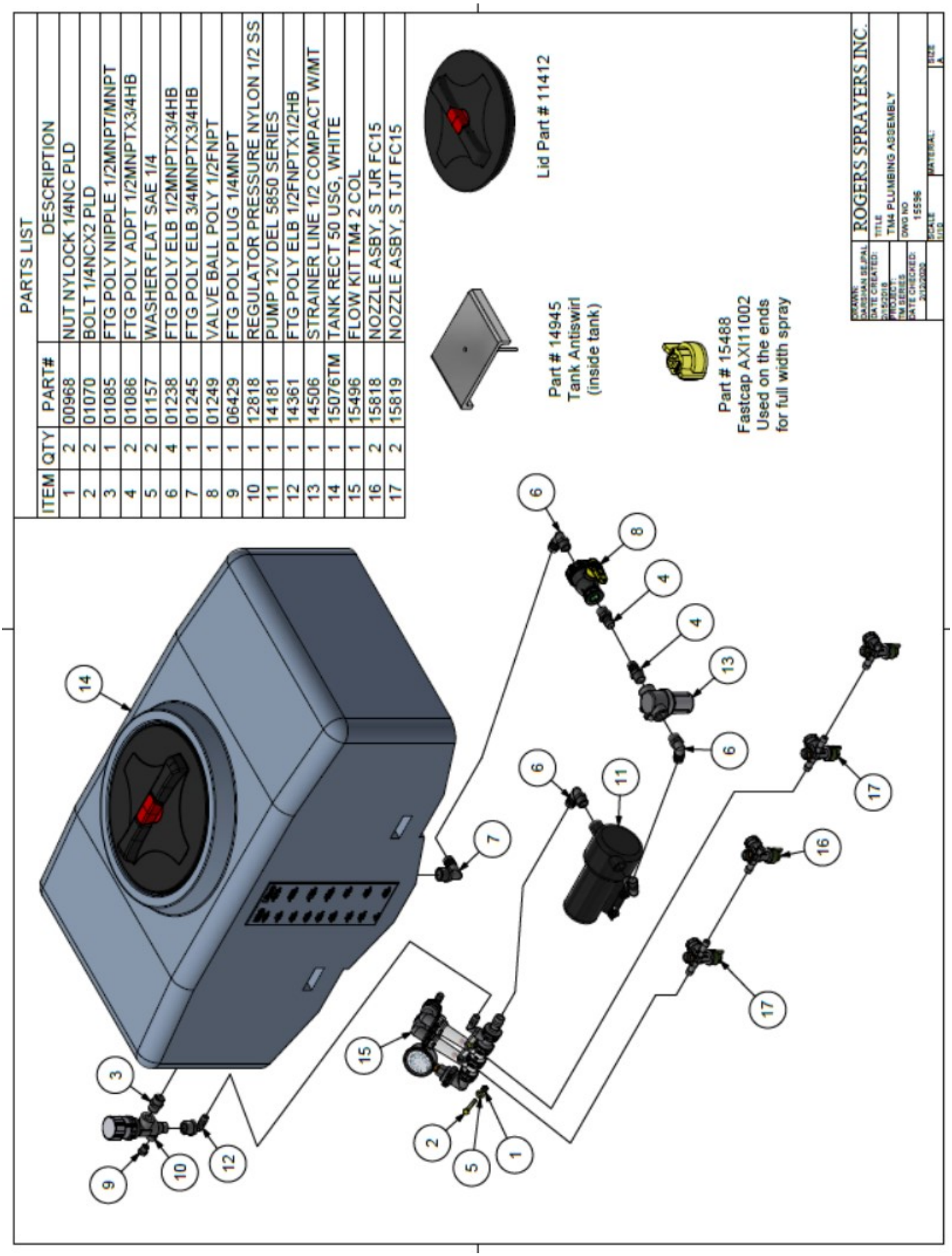
Shroud Assembly TM4 Part # 15595

PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	10	00968	NUT NYLOCK 1/4" PLD
2	2	01070	BOLT, 1/4NCx2, PLD
3	10	01152	SCREW MACH. #10-24x3/4, TRUSS
4	10	01153	NUT, NYLOCK #10-24 PLD
5	16	01157	WASHER FLAT, 1/4"
6	10	01183	WASHER FLAT #10
7	4	05415	BOLT, 1/4NCx4, PLD
8	1	12057	BACKING PLATE 2 COL
9	11	14472	SCREW TEK #12x1-1/4
10	4	14843	AIRFOIL STANDOFF BACK TUBE
11	4	14844	AIRFOIL STANDOFF FRONT TUBE
12	4	14845	BOLT, 1/4NCx4.5, PLD
13	1	15530TM	SHROUD LP 62 GREY
14	1	15602	FLEXISHIELD 9.625" x 148"
15	1	15603	FLEXI-SHIELD HANGER 148"
16	1	15606	AIRFOIL 13.5" R, TM4
17	1	15607	AIRFOIL 13.5" L, TM4



Plumbing Assembly TM4 Part # 15596



PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	2	00968	NUT NYLOCK 1/4NC PLD
2	2	01070	BOLT 1/4NCX2 PLD
3	1	01085	FTG POLY NIPPLE 1/2MNPT/MNPT
4	2	01086	FTG POLY ADPT 1/2MNPTX3/4HB
5	2	01157	WASHER FLAT SAE 1/4
6	4	01238	FTG POLY ELB 1/2MNPTX3/4HB
7	1	01245	FTG POLY ELB 3/4MNPTX3/4HB
8	1	01249	VALVE BALL POLY 1/2FNPT
9	1	06429	FTG POLY PLUG 1/4MNPT
10	1	12818	REGULATOR PRESSURE NYLON 1/2 SS
11	1	14181	PUMP 12V DEL 5850 SERIES
12	1	14361	FTG POLY ELB 1/2FNPTX1/2HB
13	1	14506	STRAINER LINE 1/2 COMPACT W/MT
14	1	15076TM	TANK RECT 50 USG, WHITE
15	1	15496	FLOW KIT TM4 2 COL
16	2	15818	NOZZLE ASBY, S TJR FC15
17	2	15819	NOZZLE ASBY, S TJT FC15

Lid Part # 11412

Part # 14945
Tank Antiswirl
(inside tank)

Part # 15488
Fastcap AXI11002
Used on the ends
for full width spray

ROGERS SPRAYERS INC.

TM4 PLUMBING ASSEMBLY

DWG NO 15596

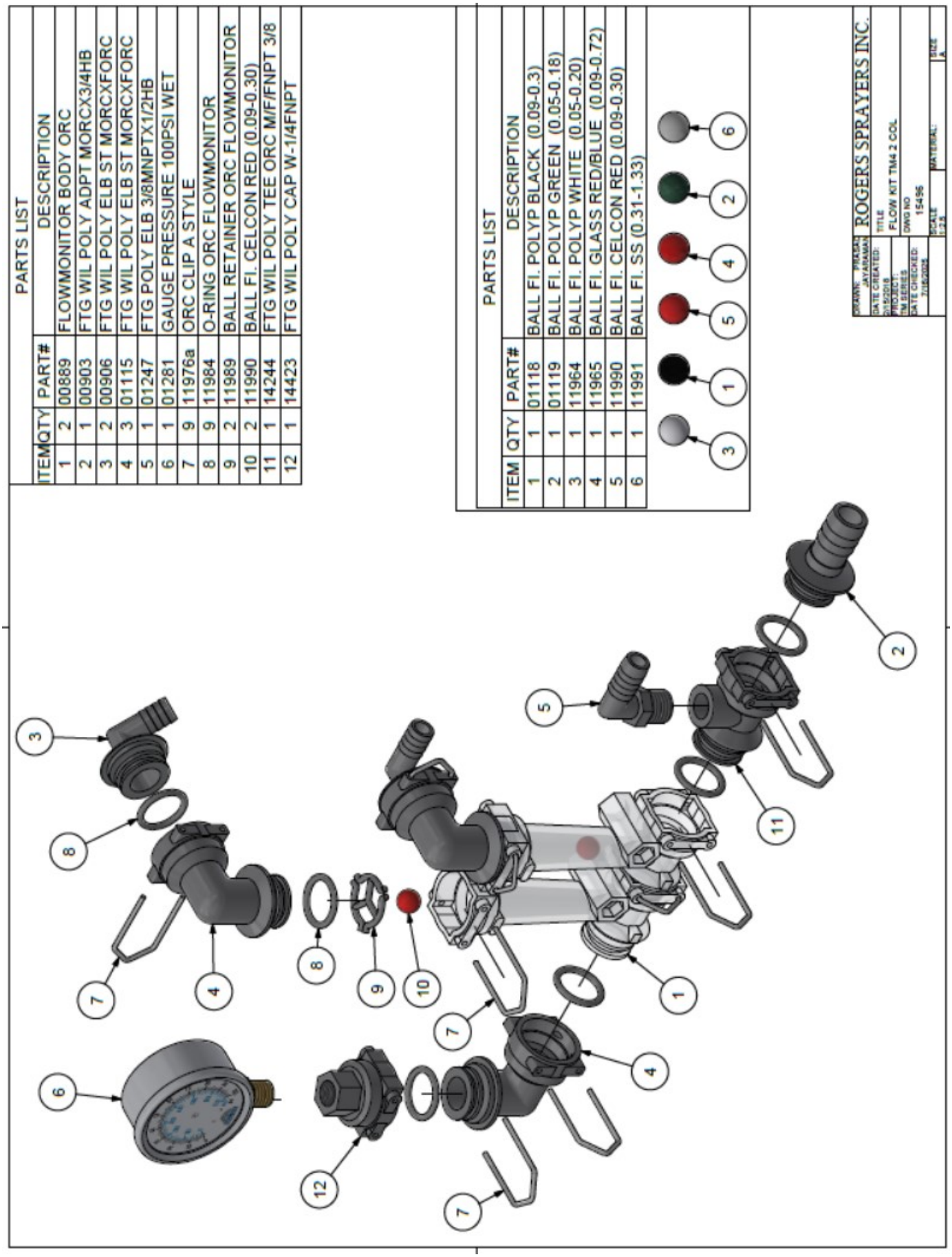
Flowmonitor Assembly TM4 Part # 15496

PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	2	00889	FLOWMONITOR BODY ORC
2	1	00903	FTG WIL POLY ADPT MORCX3/4HB
3	2	00906	FTG WIL POLY ELB ST MORCXFORC
4	3	01115	FTG WIL POLY ELB ST MORCXFORC
5	1	01247	FTG POLY ELB 3/8MNPTX1/2HB
6	1	01281	GAUGE PRESSURE 100PSI WET
7	9	11976a	ORC CLIP A STYLE
8	9	11984	O-RING ORC FLOWMONITOR
9	2	11989	BALL RETAINER ORC FLOWMONITOR
10	2	11990	BALL FI. CELCON RED (0.09-0.30)
11	1	14244	FTG WIL POLY TEE ORC M/F/FNPT 3/8
12	1	14423	FTG WIL POLY CAP W-1/4FNPT

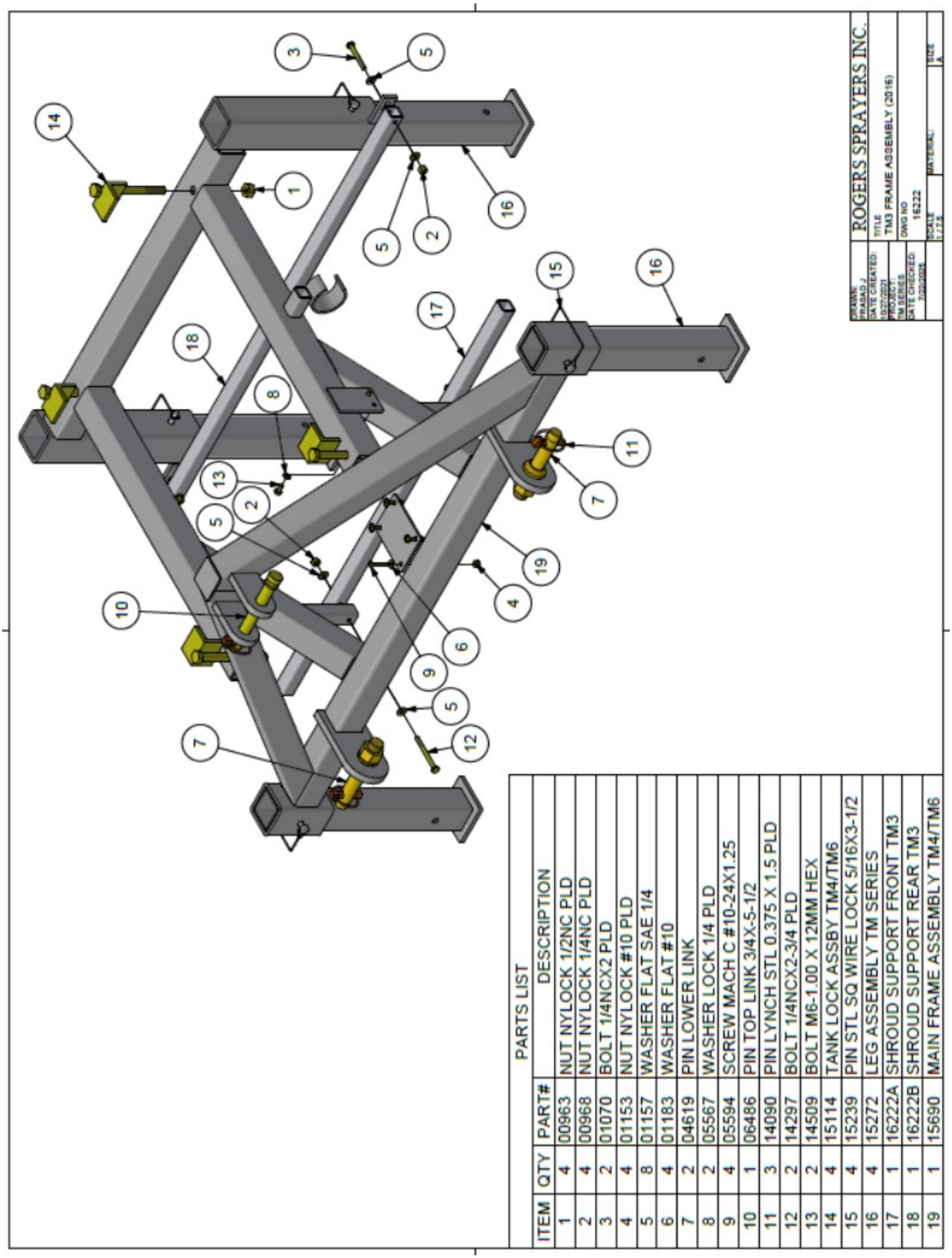
PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	1	01118	BALL FI. POLYP BLACK (0.09-0.3)
2	1	01119	BALL FI. POLYP GREEN (0.05-0.18)
3	1	11964	BALL FI. POLYP WHITE (0.05-0.20)
4	1	11965	BALL FI. GLASS RED/BLUE (0.09-0.72)
5	1	11990	BALL FI. CELCON RED (0.09-0.30)
6	1	11991	BALL FI. SS (0.31-1.33)



DRAWN: PRASAN JAYARAMAN
DATE CREATED: 01/5/2018
PROJECT: TM SERIES
DATE CHECKED: 7/16/2018
ROGERS SPRAYERS INC.
TITLE: FLOW KIT TM4 2 COL
DWG NO: 15496
SCALE: 1:2.5
MATERIAL:
SIZE: A

Frame Assembly TM3



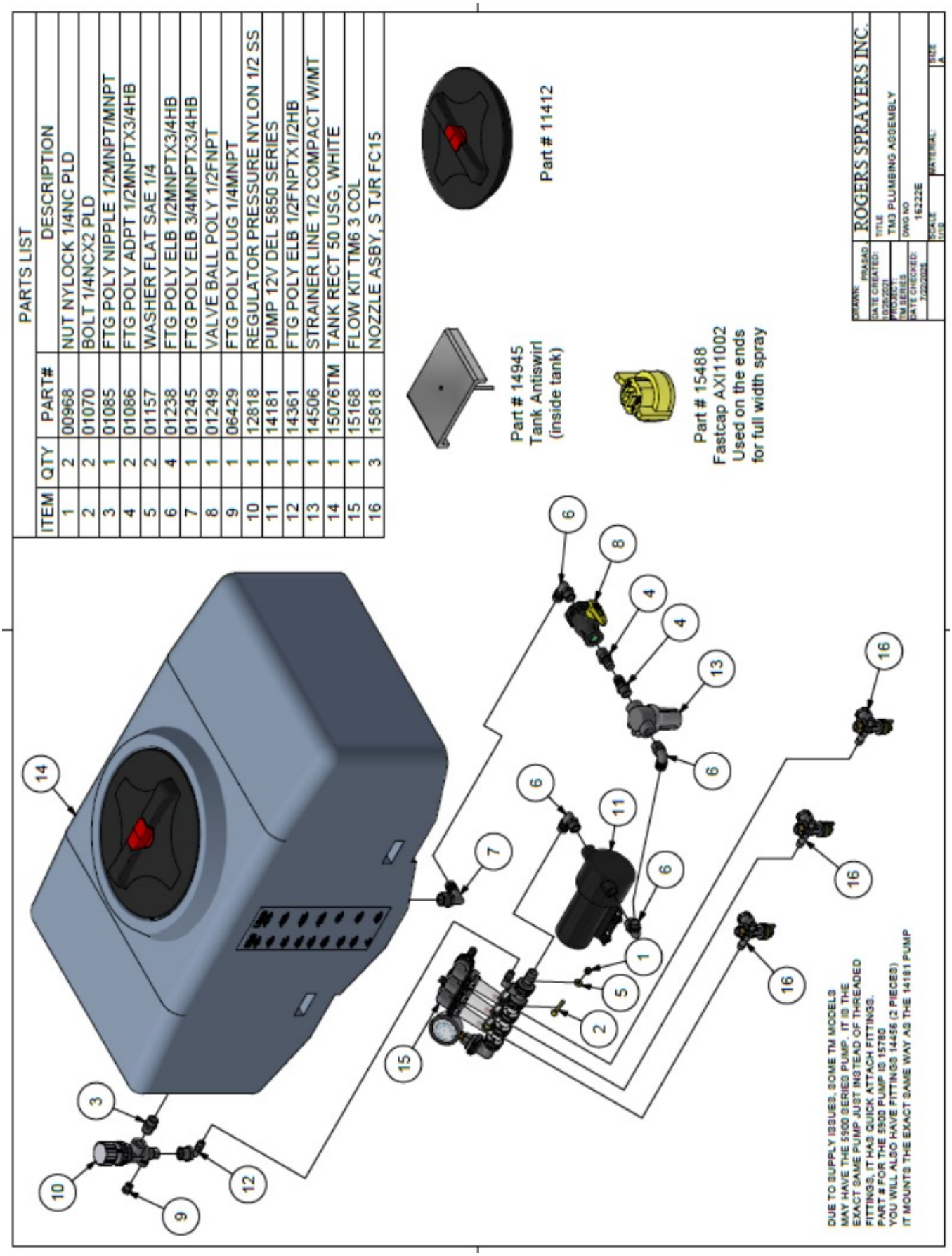
ITEM	QTY	PART#	DESCRIPTION
1	4	00963	NUT NYLOCK 1/2NC PLD
2	4	00968	NUT NYLOCK 1/4NC PLD
3	2	01070	BOLT 1/4NCX2 PLD
4	4	01153	NUT NYLOCK #10 PLD
5	8	01157	WASHER FLAT SAE 1/4
6	4	01183	WASHER FLAT #10
7	2	04619	PIN LOWER LINK
8	2	05567	WASHER LOCK 1/4 PLD
9	4	05594	SCREW MACH C #10-24X1.25
10	1	06486	PIN TOP LINK 3/4X-5-1/2
11	3	14090	PIN LYNCH STL 0.375 X 1.5 PLD
12	2	14297	BOLT 1/4NCX2-3/4 PLD
13	2	14509	BOLT M6-1.00 X 12MM HEX
14	4	15114	TANK LOCK ASSBY TM4/TM6
15	4	15239	PIN STL SQ WIRE LOCK 5/16X3-1/2
16	4	15272	LEG ASSEMBLY TM SERIES
17	1	16222A	SHROUD SUPPORT FRONT TM3
18	1	16222B	SHROUD SUPPORT REAR TM3
19	1	15690	MAIN FRAME ASSEMBLY TM4/TM6

Shroud Assembly TM3 Part # 16222C

PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	14	01152	SCREW MACH C #10-24X3/4 TRUSS
2	14	01153	NUT NYLOCK #10 PLD
3	28	01183	WASHER FLAT #10
4	1	01398	SERIAL PLATE
5	1	13402	BACK PLATE 3 COL. FLOWMONITOR
6	1	14240TM	FLEXI-SHIELD 9.625WX125"
7	4	14470	RIVET POP 1/8X1/2 AL/STL
8	10	14472	SCREW TEK #12X1-1/4 NEPRN WASHER
9	1	15531TM	SHROUD LP 50 GREY PREP TM
10	1	16222D	FLEXI-SHIELD HANGER 125"

Plumbing Assembly TM3 Part # 16222E



PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	2	00968	NUT NYLOCK 1/4NC PLD
2	2	01070	BOLT 1/4NCX2 PLD
3	1	01085	FTG POLY NIPPLE 1/2MNPT/MNPT
4	2	01086	FTG POLY ADPT 1/2MNPTX3/4HB
5	2	01157	WASHER FLAT SAE 1/4
6	4	01238	FTG POLY ELB 1/2MNPTX3/4HB
7	1	01245	FTG POLY ELB 3/4MNPTX3/4HB
8	1	01249	VALVE BALL POLY 1/2FNPT
9	1	06429	FTG POLY PLUG 1/4MNPT
10	1	12818	REGULATOR PRESSURE NYLON 1/2 SS
11	1	14181	PUMP 12V DEL 5850 SERIES
12	1	14361	FTG POLY ELB 1/2FNPTX1/2HB
13	1	14506	STRAINER LINE 1/2 COMPACT W/MT
14	1	15076TM	TANK RECT 50 USG, WHITE
15	1	15168	FLOW KIT TM6 3 COL
16	3	15818	NOZZLE ASBY, S TJR FC15

Part # 11412

Part # 14945
Tank Antiswirl
(inside tank)

Part # 15488
Fastcap AXI111002
Used on the ends
for full width spray

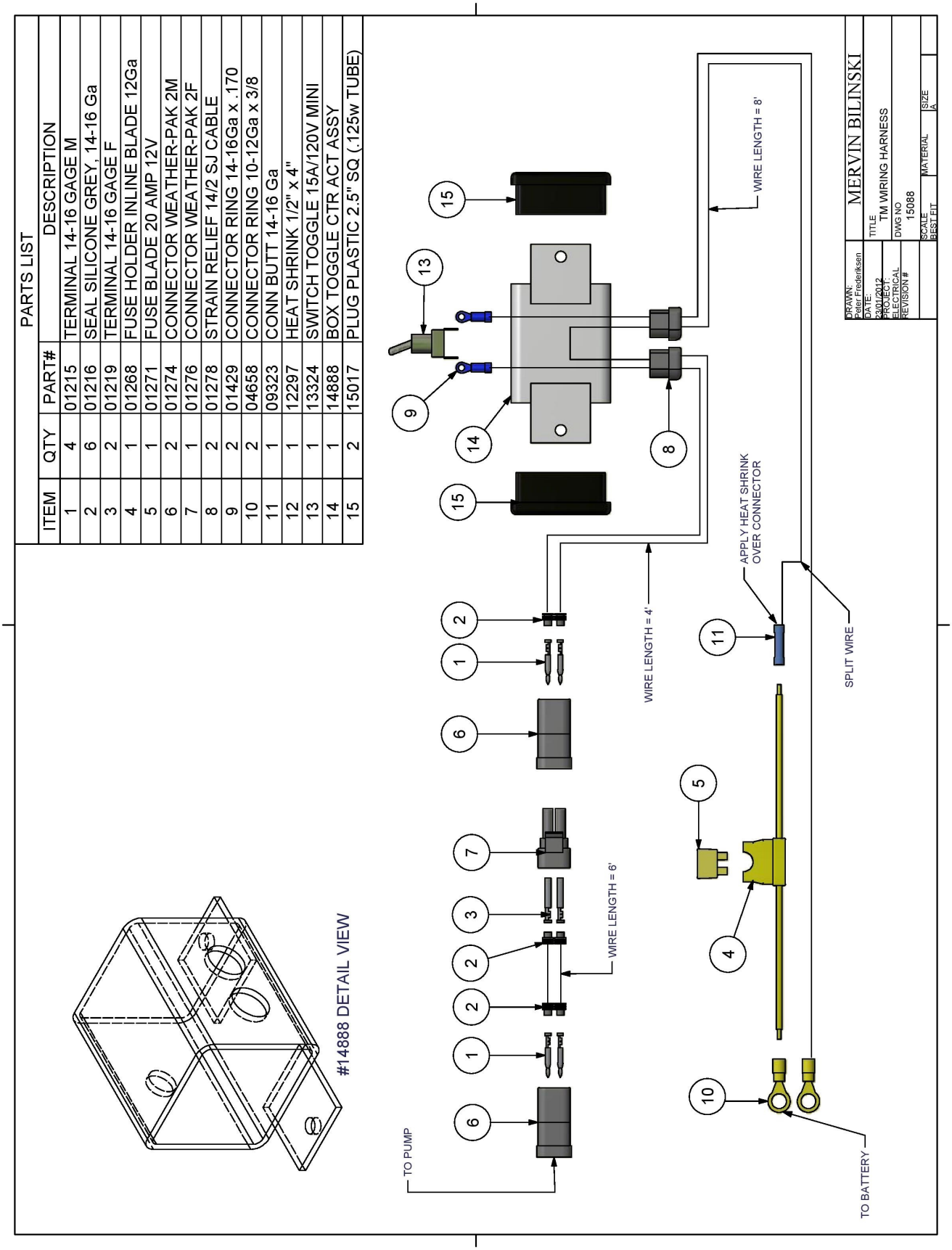
DUE TO SUPPLY ISSUES, SOME TM MODELS MAY HAVE THE 5900 SERIES PUMP. IT IS THE EXACT SAME PUMP JUST INSTEAD OF THREADED FITTINGS, IT HAS QUICK ATTACH FITTINGS. PART # FOR THE 5900 PUMP IS 15780 YOU WILL ALSO HAVE FITTINGS 14456 (2 PIECES) IT MOUNTS THE EXACT SAME WAY AS THE 14181 PUMP

ROGERS SPRAYERS INC.

Electrical Assembly Part # 15088

PARTS LIST

ITEM	QTY	PART#	DESCRIPTION
1	4	01215	TERMINAL 14-16 GAGE M
2	6	01216	SEAL SILICONE GREY, 14-16 Ga
3	2	01219	TERMINAL 14-16 GAGE F
4	1	01268	FUSE HOLDER INLINE BLADE 12Ga
5	1	01271	FUSE BLADE 20 AMP 12V
6	2	01274	CONNECTOR WEATHER-PAK 2M
7	1	01276	CONNECTOR WEATHER-PAK 2F
8	2	01278	STRAIN RELIEF 14/2 SJ CABLE
9	2	01429	CONNECTOR RING 14-16Ga x .170
10	2	04658	CONNECTOR RING 10-12Ga x 3/8
11	1	09323	CONN BUTT 14-16 Ga
12	1	12297	HEAT SHRINK 1/2" x 4"
13	1	13324	SWITCH TOGGLE 15A/120V MINI
14	1	14888	BOX TOGGLE CTR ACT ASSY
15	2	15017	PLUG PLASTIC 2.5" SQ (.125w TUBE)



Rogers Sprayers Inc. (RSI)
141 - 105th Street East
Saskatoon, SK S7N 1Z2 Canada

Tel.: (306) 975-0500 or (888) 975-8294
Fax: (306) 975-0499
Email: info@rogerssprayers.com

ROGERS SPRAYERS INC OWNER WARRANTY AGREEMENT

Windfoil Drift Containment Spray Systems (DCSS) are warranted to be free of factory defects under normal and intended use for a period of one (1) year from date of purchase to the original purchaser. Equipment must be setup in accordance with factory instructions and operated, maintained and used in accordance with the operator's manual. Equipment used for rental has a warranty period of forty five (45) days. Any customization or modifications to the original equipment voids warranty immediately.

RSI reserves the right not to warranty any items that are not directly manufactured by RSI. Such components need to be returned to the factory for inspection and tested by either RSI or the original manufacturer for defects. Examples of these parts include actuators, engines, pumps and electrical systems.

All warranty Claims must be pre-authorized by the factory!

To obtain warranty, all defective parts must be returned to the factory; in some cases, location of part might require only photo of defective part. RSI must be contacted to determine which route is required. RSI through its designated dealer or factory appointed representative will repair or replace, at its option, any or all parts that are proven to be defective free of charge.

RSI DOES NOT pay or reimburse for any travel time or investigation time to determine the defective part. Warranty labor will be based on the time required for RSI to replace only the part. Warranty labor rates and replacement times will be assessed yearly and will be included in a labor replacement sheet.

This warranty does not apply to damage caused by misuse, accident, acts of god, and/or operation without proper servicing. RSI will not be responsible for consequential damages; its liability is limited to replacement of parts.

Standard wear components (see list) such as belts, nozzles, screens, bearings, wheels, flow indicator bodies or flow indicator parts are only warranted for 30 days after original purchase.

RSI makes no other expressed, implied or statutory warranty; nor is anyone authorized to make any on our behalf.

Complete your Warranty Registration online at www.rogerssprayers.com

The warranty registration is found on the Contact page of our website. The warranty registration **MUST** be filled out completely and submitted to RSI to activate the warranty. If you would prefer, a printable copy is also available online.

It is our intention to manufacture durable, user-friendly products. Any suggestions you have as to how we may improve our equipment are greatly appreciated.

ROGERS SPRAYERS INC.

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Canada

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