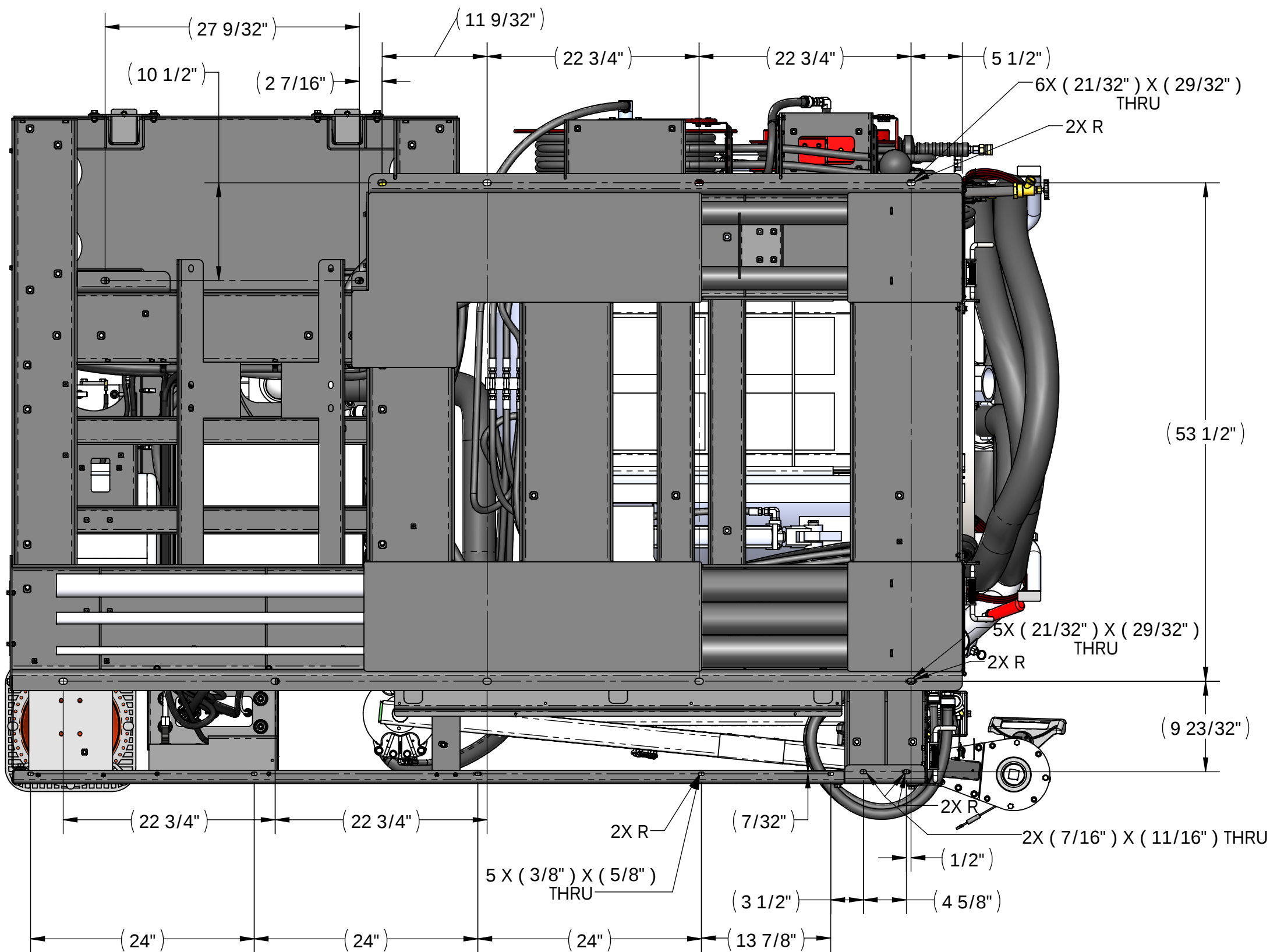
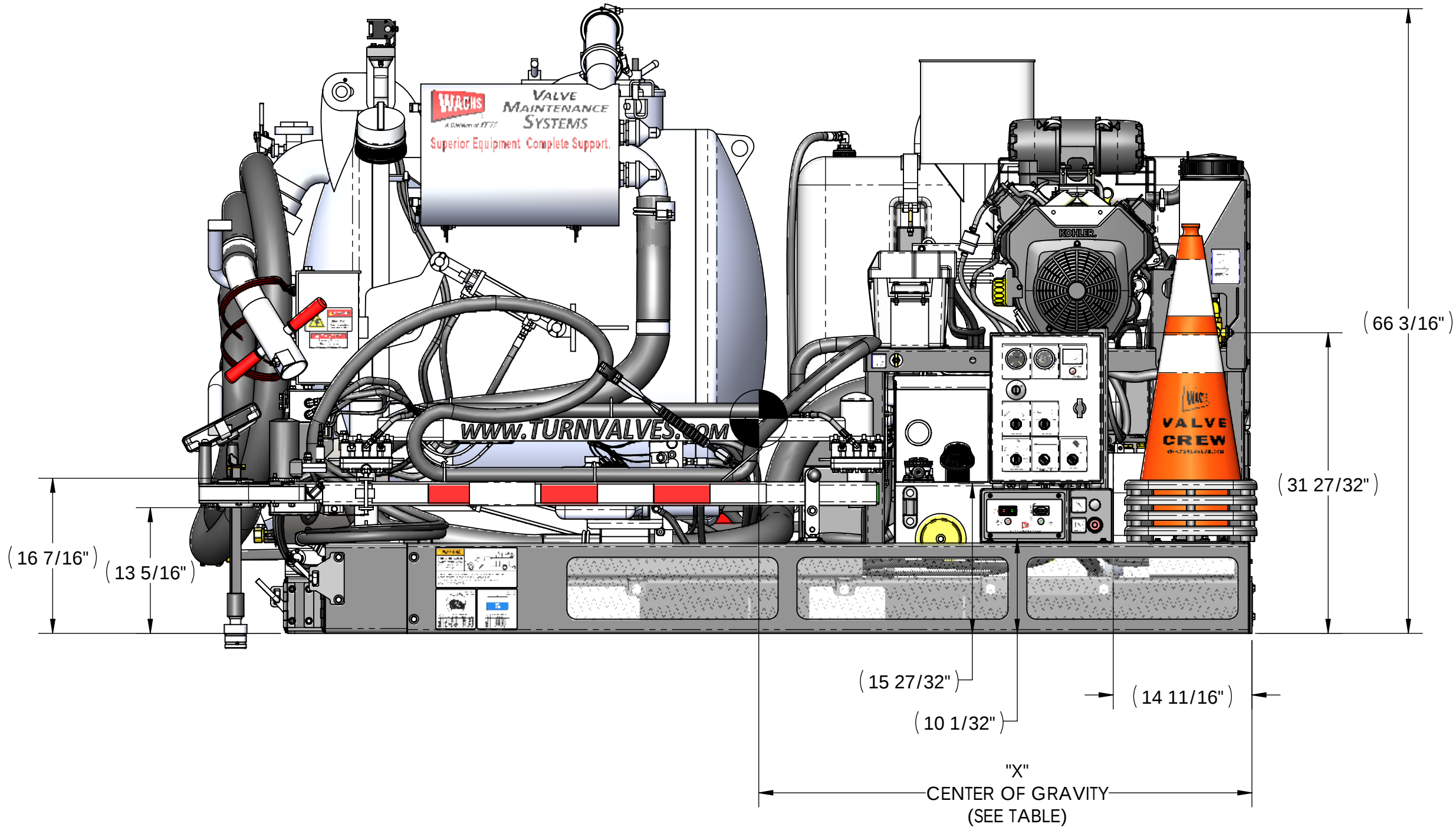
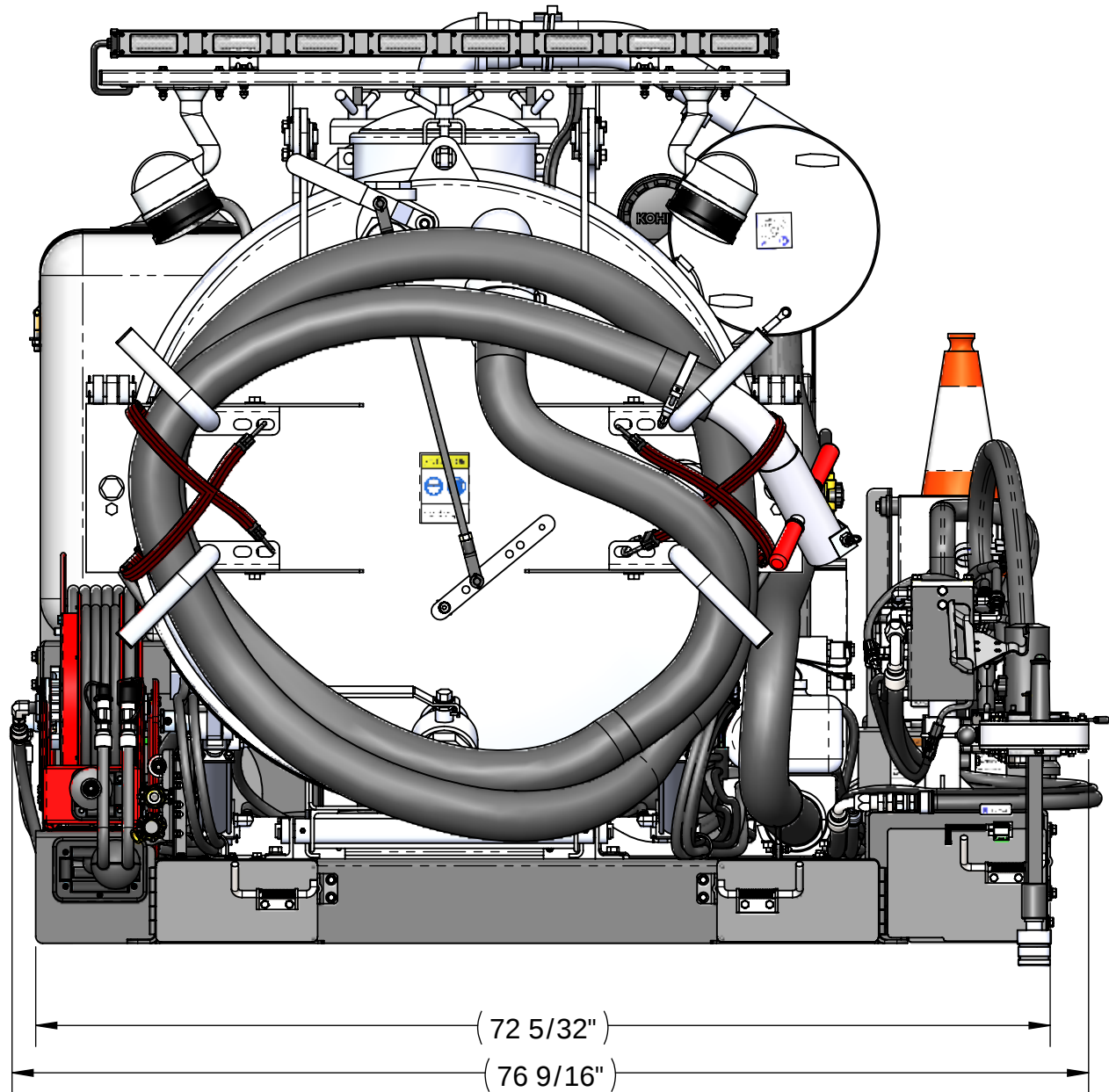
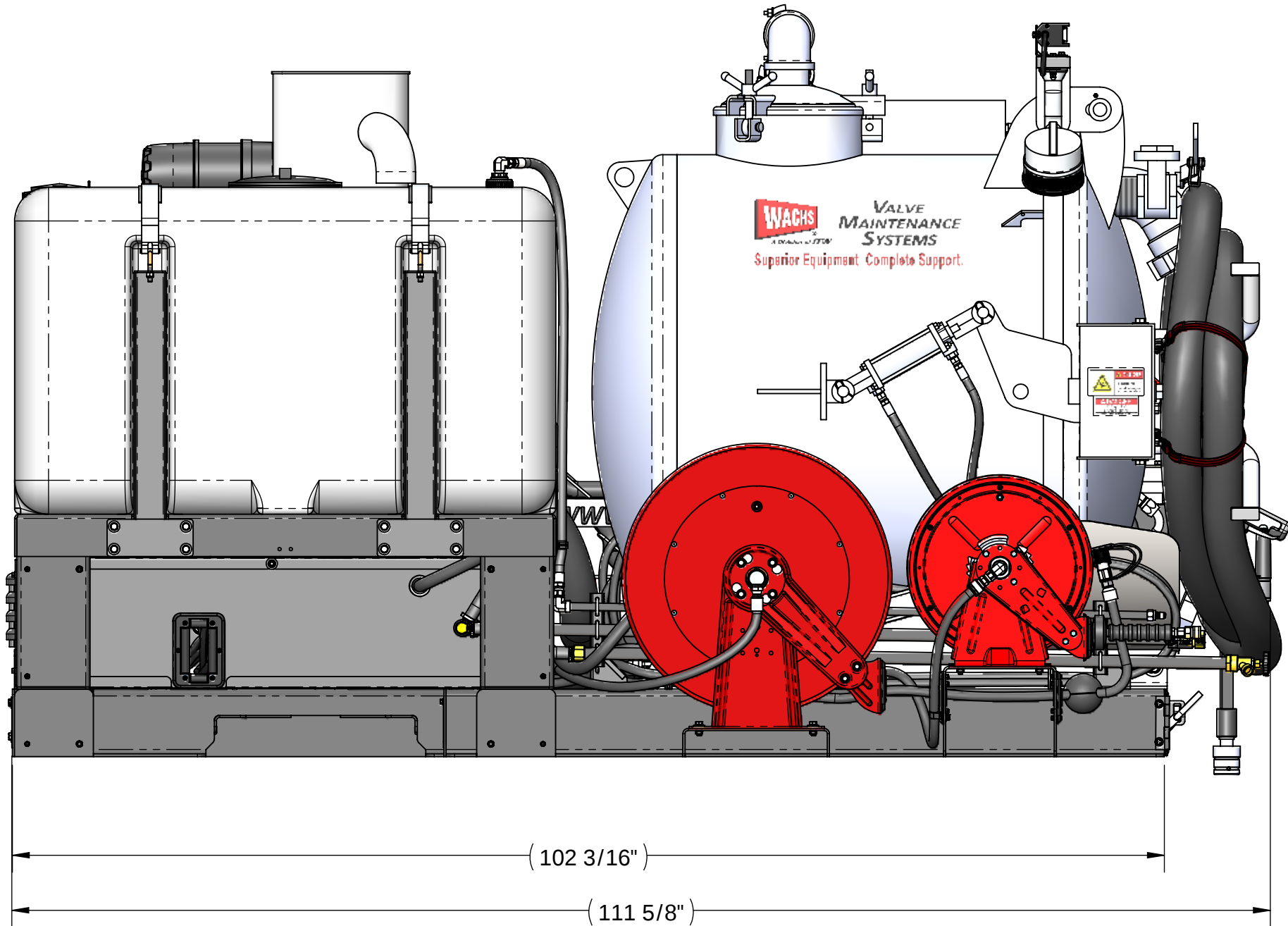


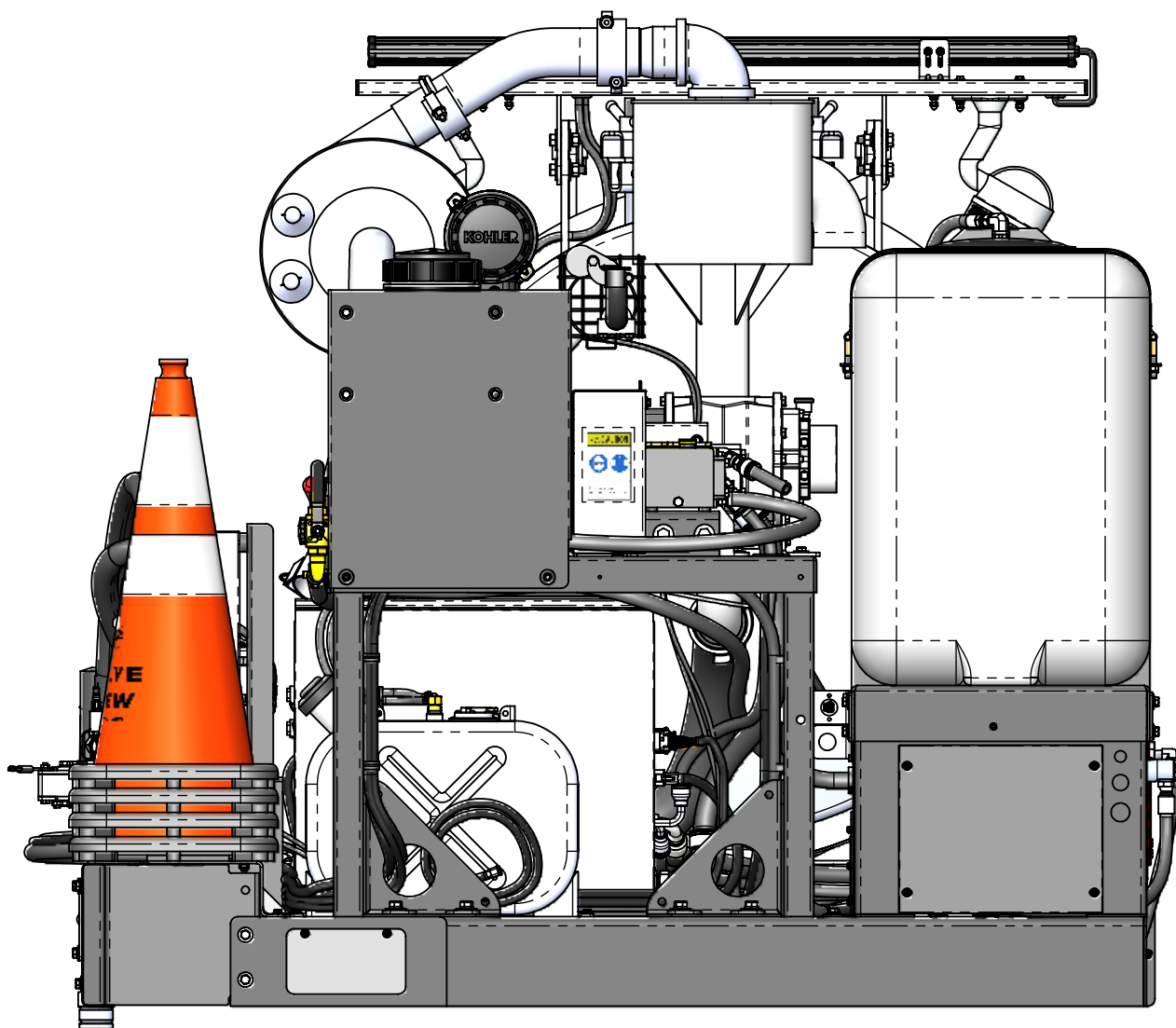
NOTES:

1. MATERIAL: PER COMPONENT
2. FINISH: PER COMPONENT
3. APPROX WEIGHT: SEE WEIGHT AND CENTER OF GRAVITY TABLE
4. LEGEND USED FOR CONTINUATION OF EXPLODED LINE:
A
5. SEE SHEET 13 AND 14 FOR ELECTRIC SCHEMATIC.
6. SEE SHEET 15 FOR HYDRAULIC SCHEMATIC.
7. SEE SHEET 16 FOR PRESSURE WASHER SYSTEM SCHEMATIC.
8. SKID MUST BE MOUNTED TO A FRAME SUITABLE TO HANDLE WEIGHT OF SKID WITH FULL SPOILS AND FULL WATER.

9. CUSTOMER AND UPFITTER ARE RESPONSIBLE FOR NOT OUTFITTING THE VEHICLE ABOVE ITS GROSS VEHICLE WEIGHT RATING (GVWR). ALL PASSENGERS, EQUIPMENT, FUEL, VACUUM SPOILS, WATER, AND CARGO MUST BE ACCOUNTED FOR. UPFITTER SHALL SUPPLY A LABEL WITH GVWR AND COMPLETED VEHICLE WEIGHT PLACED ON THE DRIVERS DOOR JAMB. CUSTOMER SHALL NOT LOAD THE VEHICLE ABOVE ITS GVWR. SPOILS AND WATER WEIGHTS FOR THE SUPPLIED VMS CONFIGURATION ARE PROVIDED ON THE VMS. SEE SHEET 6 FOR LABEL INFORMATION AND PLACEMENT.

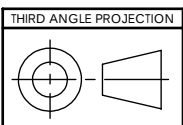


MOUNTING HOLES
11X 1/2" GRADE 8 BOLTS &
7X 5/16" BOLTS UPFITTER SUPPLIED.
REQUIRED FOR MOUNTING.
SEE NOTE 8



SEE NOTE 9

WEIGHT AND CENTER OF GRAVITY TABLE			
250 GAL SPOILS TANK	100 GAL WATER TANK	"X" (INCHES), APPROX	WEIGHT APPROX, (LBS)
EMPTY	EMPTY	54"	3902
EMPTY	FULL (WATER)	48 5/8"	4736
FULL (WATER)	EMPTY	61 3/4"	5890
FULL (WATER)	FULL (WATER)	57"	6725
HYDRAULIC RESERVOIR FULL, FUEL TANK FULL, ANTI-FREEZE TANK FULL			



THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
APPLY WORKMANSHIP
STANDARD W/ 1/16"
INTERPRET DIM AND TOL PER
LATEST ASME Y14.5M STANDARD
DO NOT SCALE DRAWING

TO DIMENSIONS:
FRACTIONS: 1/16"
ONE PLACE DECIMAL: 0.0005
TWO PLACE DECIMAL: 0.0005
THREE PLACE DECIMAL: 0.0005
ANGULAR: 15 MINUTES

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TITLE STANDARD LX (GAS-VMS) (RH)

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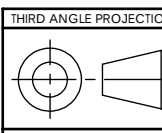
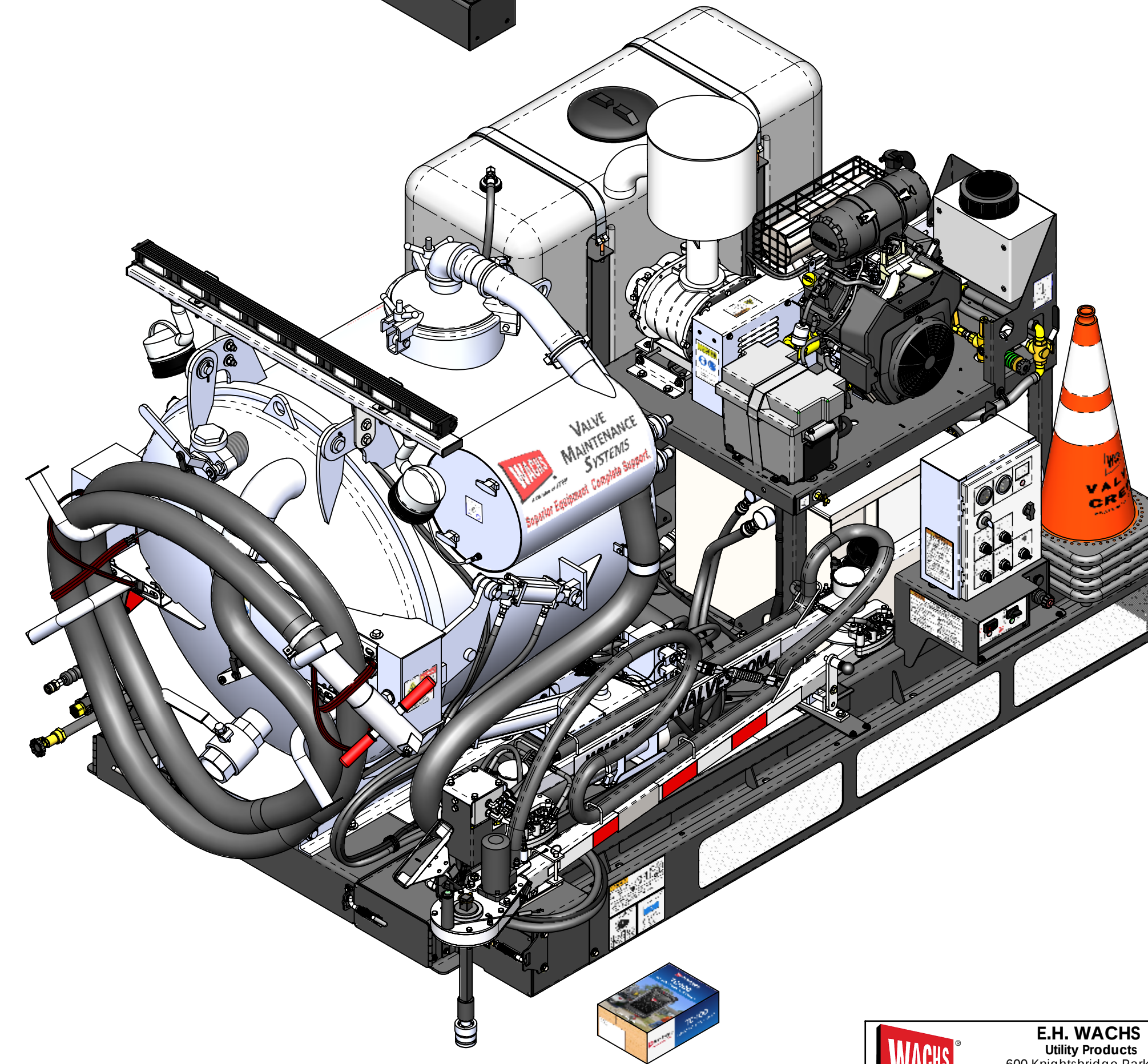
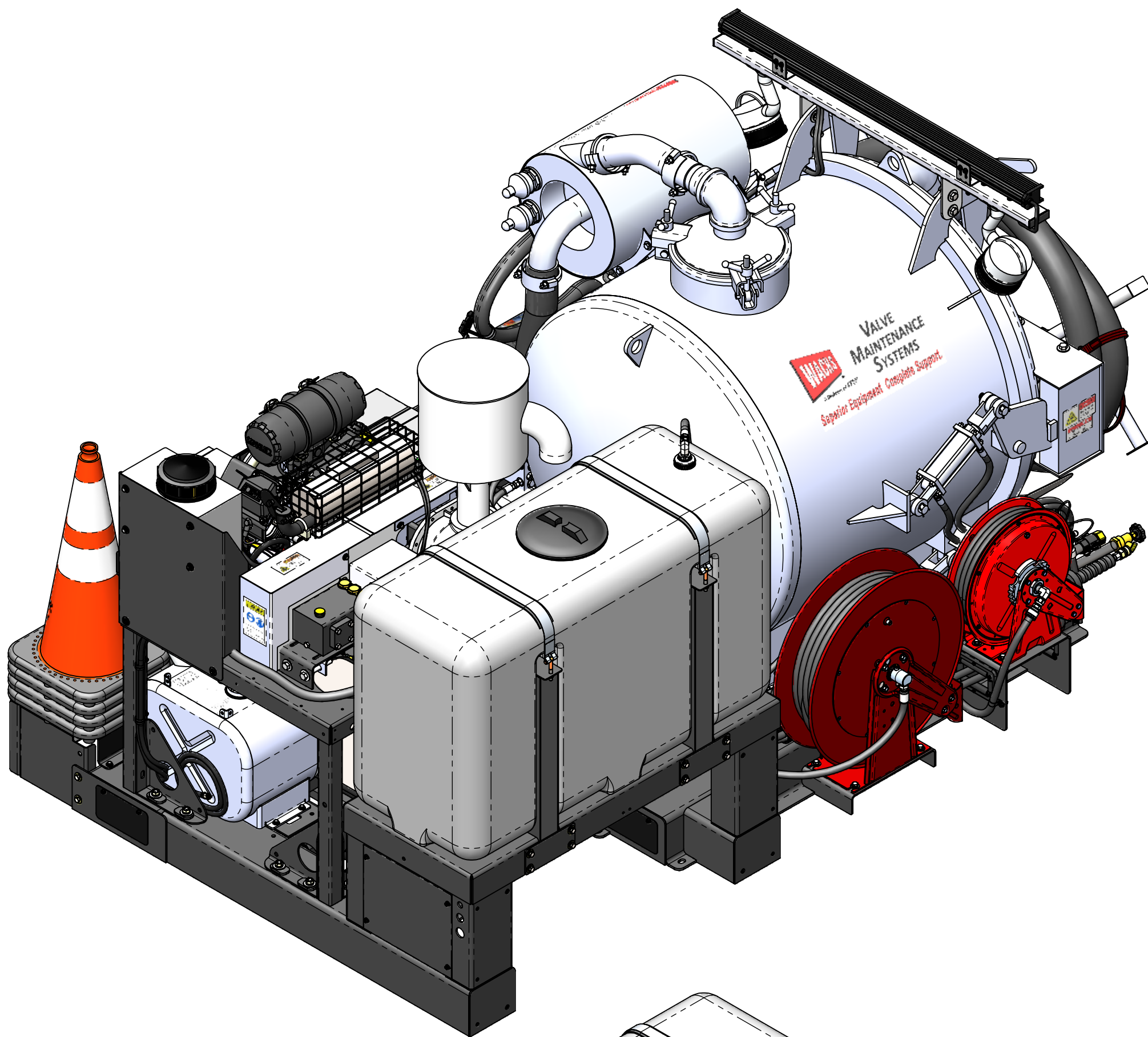
DATE 6/4/2019 DATE 9/12/2019 SHEET 1 OF 17

REV. B

DWG. NO. 77-000-55

F		8	7			
		ITEM NO.	PART NUMBER	DESCRIPTION	ESTIMATE LENGTH	QTY.
		1	68-153-11	HANDLE, CLEVIS ROD		1
		2	68-158-16	HOSE CLAMP, CRIMP-23.9 - 27.1 MM		5
		3	68-158-57	HOSE CLAMP, 3" SPIRAL, CLOCKWISE		2
		4	68-160-03	HOSE, 3" VACUUM - BLACK	(6.75FT)	1
		5	68-195-50	WATER HOSE REEL, REELCRAFT, (3/8" X 50') BOTTOM WIND		1
		6	68-202-50	QD PLUG, 3/8" X 3/8" NPT-F		1
		7	68-233-00	HOSE, 3/4" LP LOCK ON	(8 1/2"), (10 1/2"), (80")	3
		8	68-236-00	STRIP, EPDM ADHESIVE BACKED FOAM RUBBER, 2" W X 1/4" THK	2X (9")	2
E		9	68-236-00	STRIP, EPDM ADHESIVE BACKED FOAM RUBBER, 2" W X 1/4" THK	2X (20 1/2")	2
		10	68-242-51	DRAIN VALVE, 3/4" NPT FEMALE INLET X 3/4" MGHT OUTLET		1
		11	68-243-20	ADAPTER, 3/4" NPT-M X 3/4" HOSE BARB - NYLON		1
		12	68-243-30	ELBOW, 3/4" NPT-M X 3/4" HOSE BARB - NYLON		3
		13	68-243-70	HOSE TO CAM LEVER ADAPTER, 3/4" CAM M X GHT F		1
		14	68-243-71	CAM LEVER SOCKET, 3/4" X 3/4" NPT-F		1
		15	68-243-80	ADAPTER, 3/4 BARB X 3/4 NPT F		1
		16	68-247-01	SNAP BUSHING, 1.38 ID X 1.75 HOLE X .125 PANEL		1
		17	68-420-02	WAND WELDMENT, 7/8" X 8', 3" HOSE		1
		18	68-420-03	WAND WELDMENT, 1-1/4" X 8', 3" HOSE		1
D		19	68-420-04	WAND WELDMENT, 2-1/2" X 8', 3" HOSE		1
		20	77-162-63	100 GALLON WATER TANK ASSEMBLY		1
		21	77-175-11	BUMPER, PUSH IN 1/4" HOLE		6
		22	77-209-02	CLAMP, 3.5" OD		1
		23	77-209-04	U-BOLT, ZINC-PLATED STEEL, 1/4"-20, 1-1/8" ID, 2" HEIGHT		6
		24	77-230-13	KIT, GAS SKID POWER PACK		1
		25	77-235-94	LATCH CATCH		1
		26	77-235-95	LATCH ASSY, RH		1
		27	77-236-95	LATCH ASSY, LH		2
		28	77-276-11	DOUBLE CHECK VALVE, 3/4" NPT-F X 3/4" NPT-F		1
C		29	77-277-50	PVC EDGE TRIM, 0.090" TO 0.190" EDGE THICKNESS	(2 3/4")	1
		30	77-290-01	WATER TANK BASE WELDMENT		1
		31	77-290-02	WELDMENT, WATER TANK STAKE		4
		32	77-290-03	HOSE ROLLER GUIDE BRACKET		1
		33	77-290-04	WELDMENT, BASKET SIDE		1
		34	77-290-05	WELDMENT, LATCH BRACKET		1
		35	77-290-06	WAND HOLDER WELDMENT		1
		36	77-290-07	PRESSURE WASHER WAND HOLDER WELDMENT		1
		37	77-290-08	WELDMENT, DOOR SKID		2
		38	77-290-09	WELDMENT, BASKET DOOR		1
B		39	77-290-11	WELDMENT, SUPPORT BRACKET		1
		40	77-290-12	PIPE SUPPORT BRACKET		2
		41	77-290-13	PIPE SUPPORT		2
		42	77-290-15	BASKET, BACK PANEL		1
		43	77-290-16	COVER PLATE		2
		44	77-290-17	COVER PLATE		1
		45	77-290-18	COVER PLATE		1
		46	77-290-21	BACK COVER PANEL		1
		47	77-290-22	SIDE COVER PANEL		1
		48	77-290-24	WELDMENT, KEY BOX		1
A		49	77-290-28	STRAP, WATER TANK		2
		50	77-290-29	STAINLESS STEEL PIPE, 3/4" SCH 40		2
		51	77-290-30	STAINLESS STEEL PIPE, 3/8" SCH 40		1
		52	77-290-31	LATCH CATCH		2
		53	77-290-44	LABEL, 100 GAL WATER TANK		1

ITEM NO.	PART NUMBER	DESCRIPTION	ESTIMATE LENGTH	QTY.
54	77-290-46	LABEL, GVWR WARNING		1
55	77-290-51	HOSE BRACKET		1
56	77-290-00	WELDMENT, VMS SKID RH CONTROLS		1
57	77-291-01	WELDMENT, CONE HOLDER		1
58	77-291-28	28" TRAFFIC CONE		4
59	77-292-12	151 5/16" HOSE ASSEMBLY, -08 FJ X -08 FJ X -08 HOSE		1
60	77-292-13	43 13/16" HOSE ASSEMBLY, -08 FJ X -08 FJ X -08 HOSE		1
61	77-312-20	3" x 20' SUCTION HOSE ASSEMBLY		1
62	77-406-00	WASH DOWN WAND		1
63	77-408-01	PRESSURE WASHER WAND, W/ROTATING NOZZLE		1
64	77-413-04	ROLLER ASSEMBLY		3
65	77-413-05	HYDRAULIC HOSE REEL KIT, BOTTOM ROLLER		1
66	77-420-00	LIGHT BAR KIT		1
67	77-431-02-00	ASSEMBLY, 250 GAL SPOILS TANK		1
68	77-520-03-42	WIRE HARNESS, SKID POWER PACK		1
69	77-MAN-03	MANUAL, STANDARD VALVE MAINTENANCE SKID		1
70	79-404-00	ERV-750 FOR VMS KIT		1
71	79-422-05	TC-100 - VITALS CONTROLLER KIT - N AMER		1
72	90-045-04	NUT, 10-24 NYLOCK		18
73	90-051-07	HHCS, 1/4-20 X 3/4 GRADE 5 Zn		12
74	90-051-10	HHCS, 1/4-20 X 1		12
75	90-055-01	NUT, 1/4-20 HEX		2
76	90-055-18	NUT, 1/4-20 ACORN		13
77	90-055-52	WASHER, 1/4 SPLIT RING		25
78	90-055-53	WASHER, FLAT, 1/4		25
79	90-061-07	HHCS, 5/16-18 x 3/4		6
80	90-065-01	NUT, 5/16-18 HEX GRADE 8		6
81	90-065-51	WASHER, 5/16 SPLIT RING		6
82	90-065-52	WASHER, 5/16 FLAT		6
83	90-071-10	HHCS, 3/8-16 X 1		48
84	90-071-20	HHCS, 3/8-16 X 2 GR 5 ZN		4
85	90-075-01	NUT, 3/8-16 HEX GR 5 ZN		3
86	90-075-05	NUT, 3/8-16 NYLOCK GR 5 ZN		4
87	90-075-52	WASHER, 3/8 SPLIT RING		52
88	90-075-53	WASHER, 3/8 FLAT		56
89	90-078-84	ADAPTER, -8 (3/4" - 16) MJ X 3/8" NPT-F 90		1
90	90-091-12	HHCS, 1/2-13 X 1-1/4 GRADE 8		14
91	90-095-15	NUT,1/2"-13 HEX GR 8 YELLOW ZINC		2
92	90-095-52	WASHER, 1/2 FLAT		14
93	90-095-58	WASHER, 1/2 SPLIT RING		14
94	90-140-07	SHCS, 10-24 X 3/4 SS18-8		18
95	90-218-15	TEE, 3/4 NPT POLY SCH 80		1
96	90-218-18	NIPPLE, 3/4 NPT, 1 3/8 PVC SCH 80		1
97	90-903-10	CUSHIONED LOOP CLAMP, 1"		1
98	90-903-15	CUSHIONED LOOP CLAMP, 1 1/2"		5
99	90-903-20	CUSHIONED LOOP CLAMP, 2"		3
100	90-903-75	CUSHIONED LOOP CLAMP, 3/4"		3
101	90-903-75	CUSHIONED LOOP CLAMP, 3/4"		1
102	90-1062-58	HHFS, 1/4-20 x 5/8" GR5 ZN		28
103	90-1583K610	CLEVIS ROD END, 1/2-13"		2
104	90-6516K96	THREADED ROD, 1/2-13" x 24"		1
105	90-91327A168	BOLT, SHOULDER, 1/2 X 5/16 X SS		1
106	910-8-8-CTX-S	ELBOW, 1/2" M NPT X -8 M JIC (3/4"-16)		2



DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED:
APPLY WORKMANSHIP
STANDARD W/ 1/16"
INTERPRET DIM AND TOL PER
LATEST ASME Y14.5M STANDARD
DO NOT SCALE DRAWING

TOLERANCES:
FRACTIONS ±1/32"
ONE PLACE DECIMAL ±0.015
TWO PLACE DECIMAL ±0.005
THREE PLACE DECIMAL ±0.001
ANGULAR ±15 MINUTES

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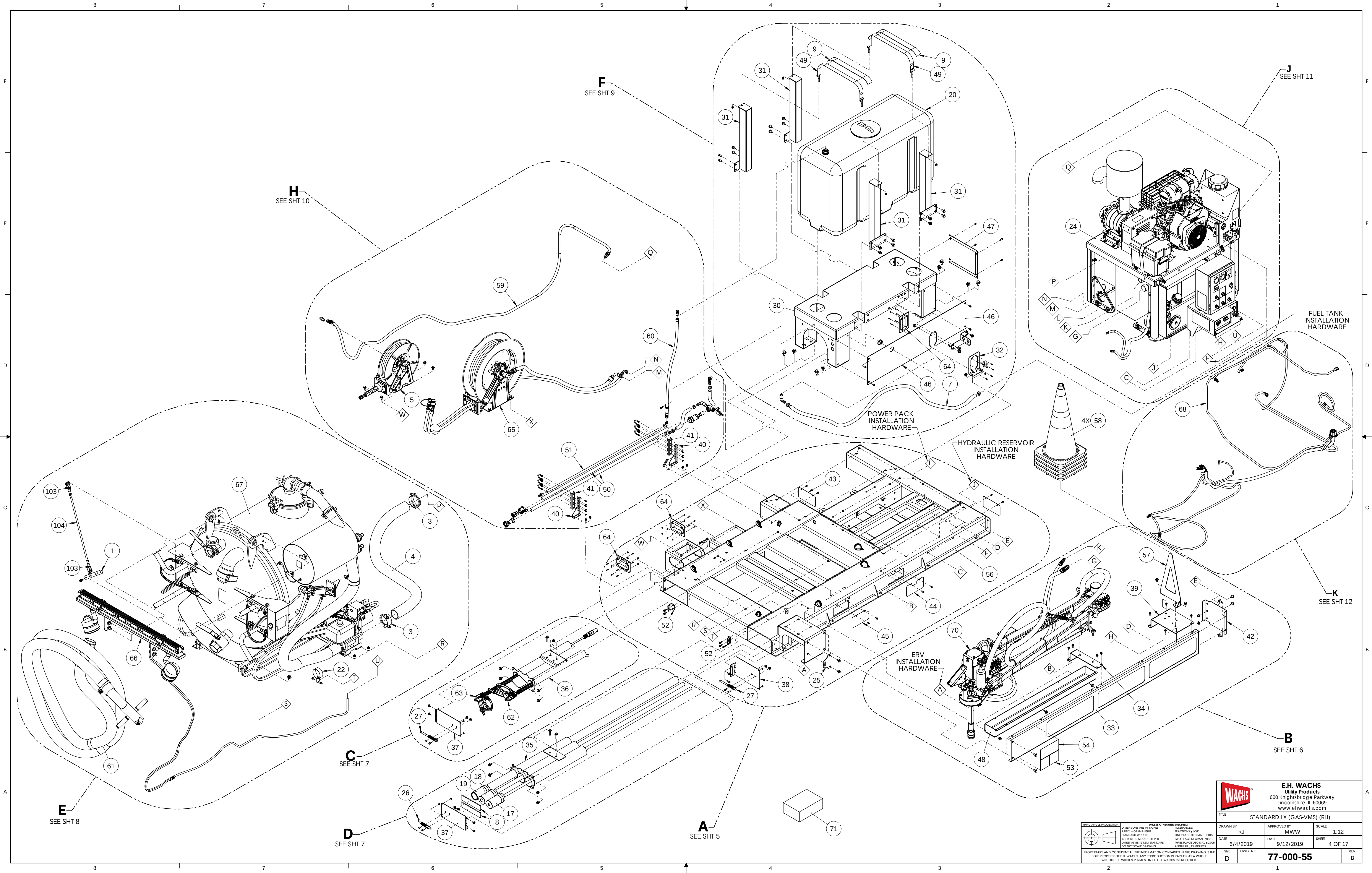
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Lincolnshire, IL 60069
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TITLE STANDARD LX (GAS-VMS) (RH)

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DATE 6/4/2019 DATE 9/12/2019 SHEET 3 OF 17

SIE D DWSG. NO. 77-000-55 REV. B





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TITLE

STANDARD LX (GAS-VMS) (RH)

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DATE

6/4/2019

DATE

9/12/2019

SCALE

1:12

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4 OF 17

REV.

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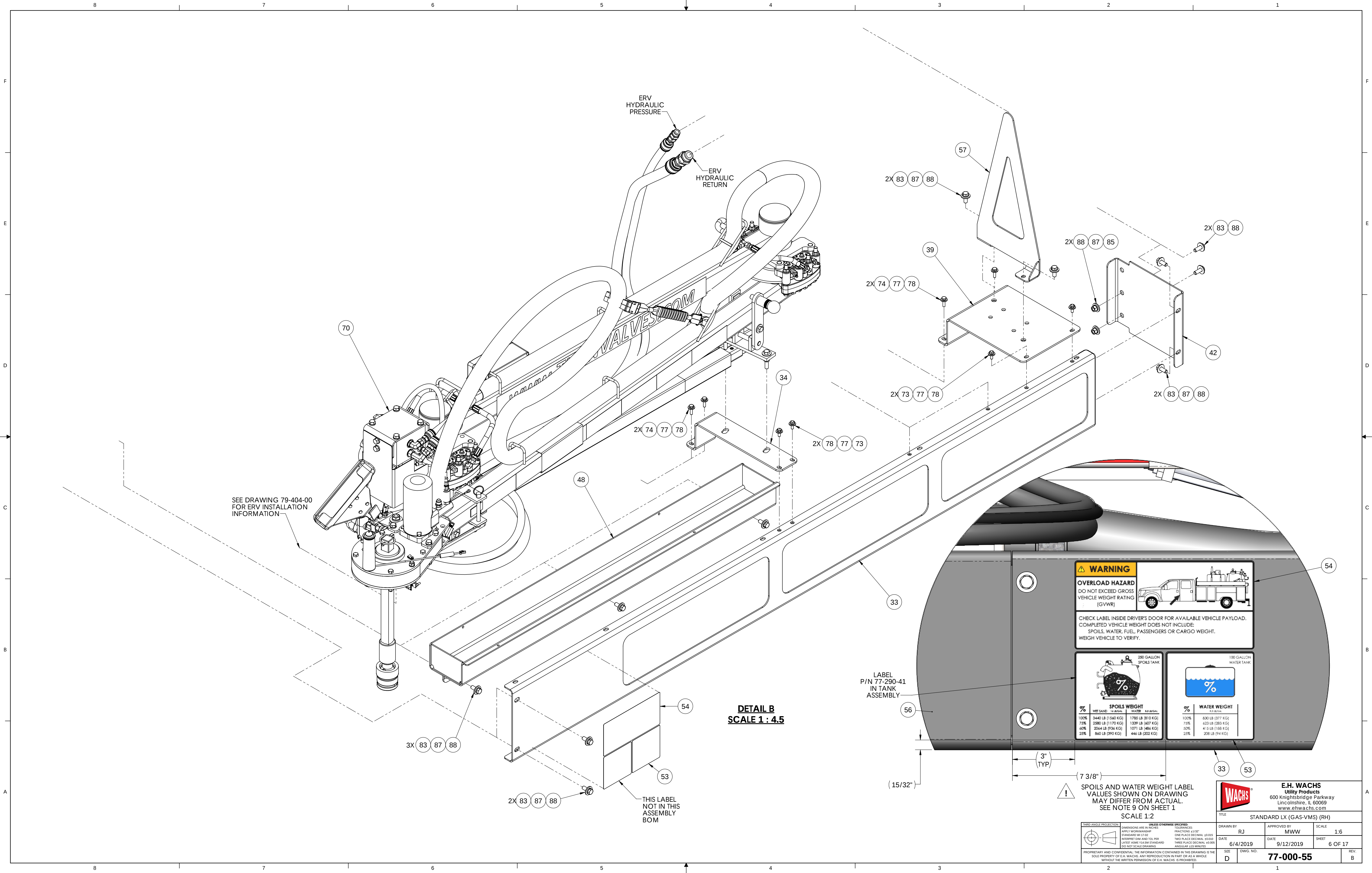
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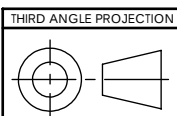
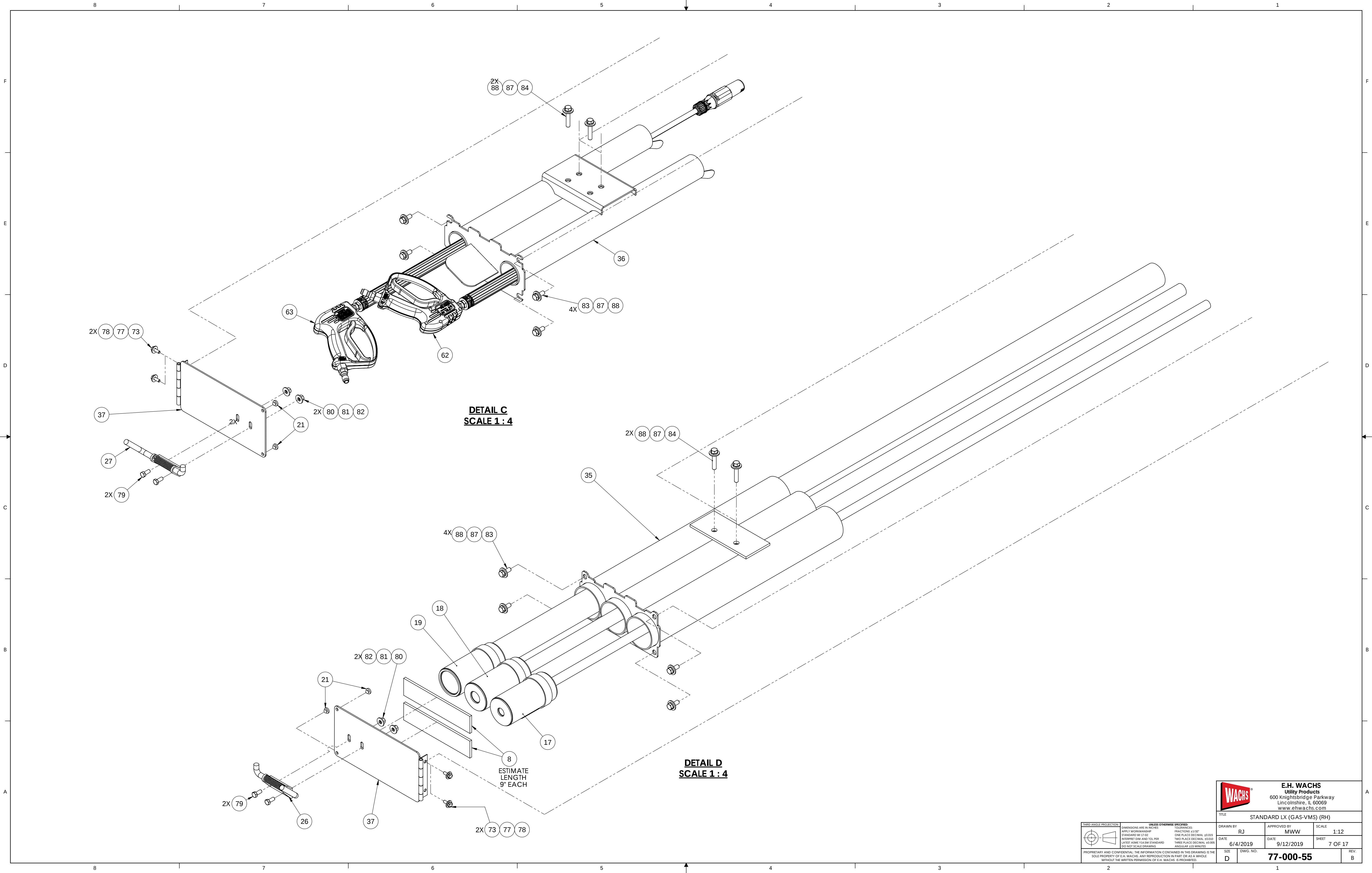
77-000-55

THIRD ANGLE PROJECTION
DIMENSIONS ARE IN INCHES
APPLY WORKMANSHIP
STANDARD W/ 1/16"
INTERPRET DIM AND TOL PER
LATEST ASME Y14.5M STANDARD
DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED:
TOLERANCES:
FRACTIONS 1/16"
ONE PLACE DECIMAL .0015
TWO PLACE DECIMAL .0005
THREE PLACE DECIMAL .0001
ANGULAR 1/16 MINUTES

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THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
FRACTIONS 1/16" TO 1/8"
ONE PLACE DECIMAL .0001
TWO PLACE DECIMAL .0005
THREE PLACE DECIMAL .0005
ANGULAR 1/2 MINUTES
APPLY WORKMANSHIP
STANDARD W/ 1/16"
INTERPRET DIM AND TOL PER
LATEST ASME Y14.5M STANDARD
DO NOT SCALE DRAWING

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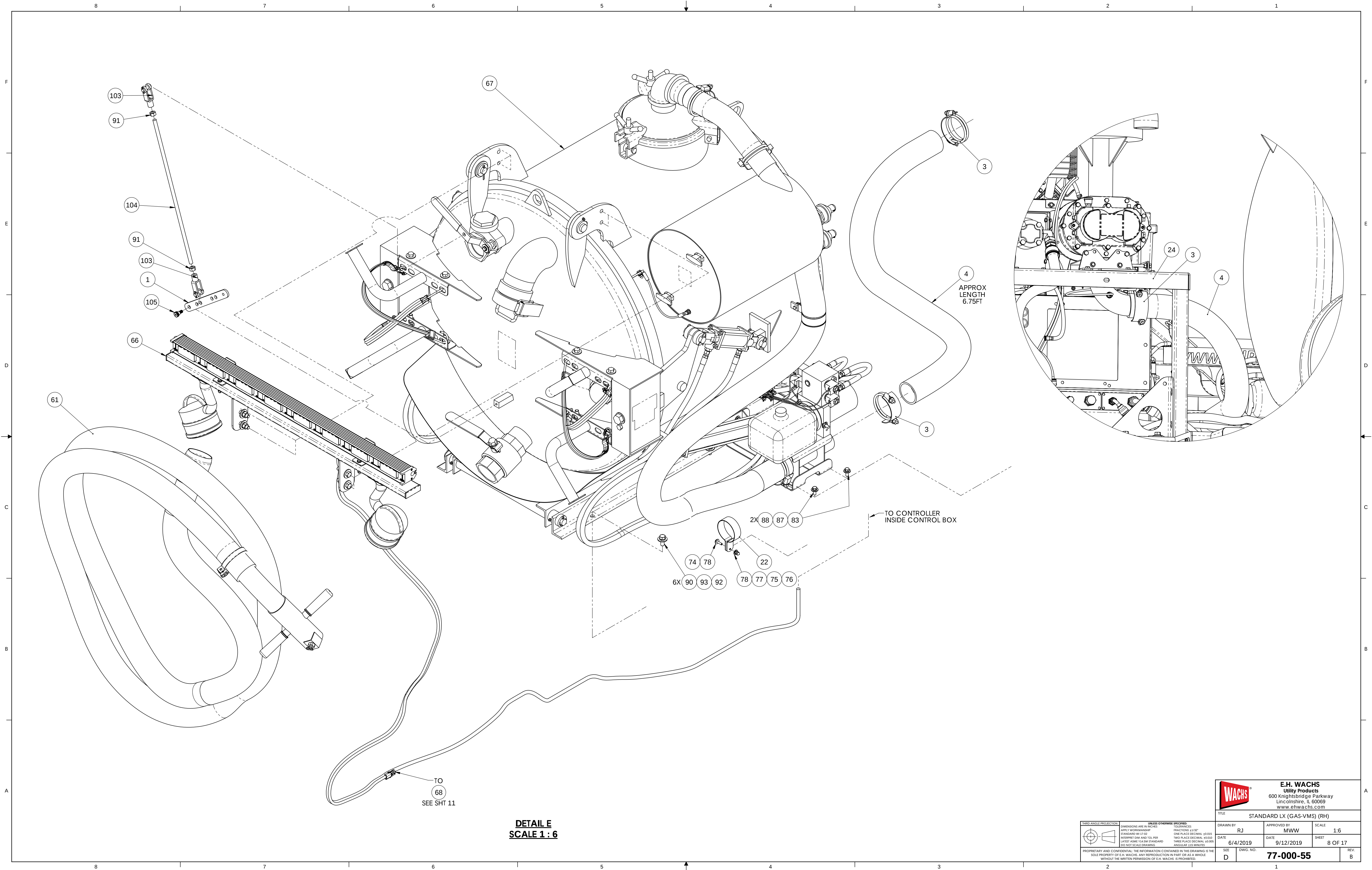
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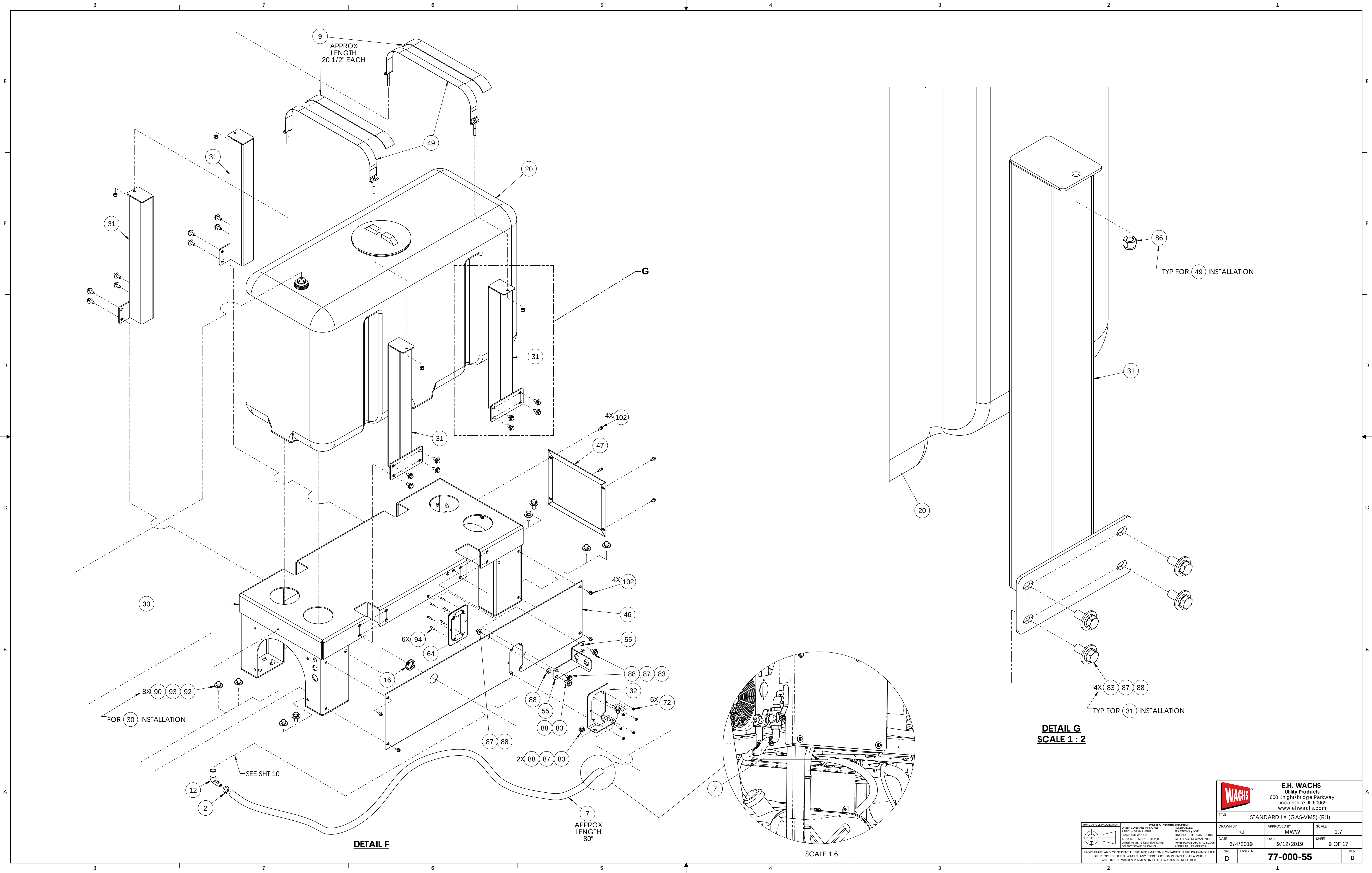
TITLE STANDARD LX (GAS-VMS) (RH)

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DATE 6/4/2019 DATE 9/12/2019 SHEET 7 OF 17

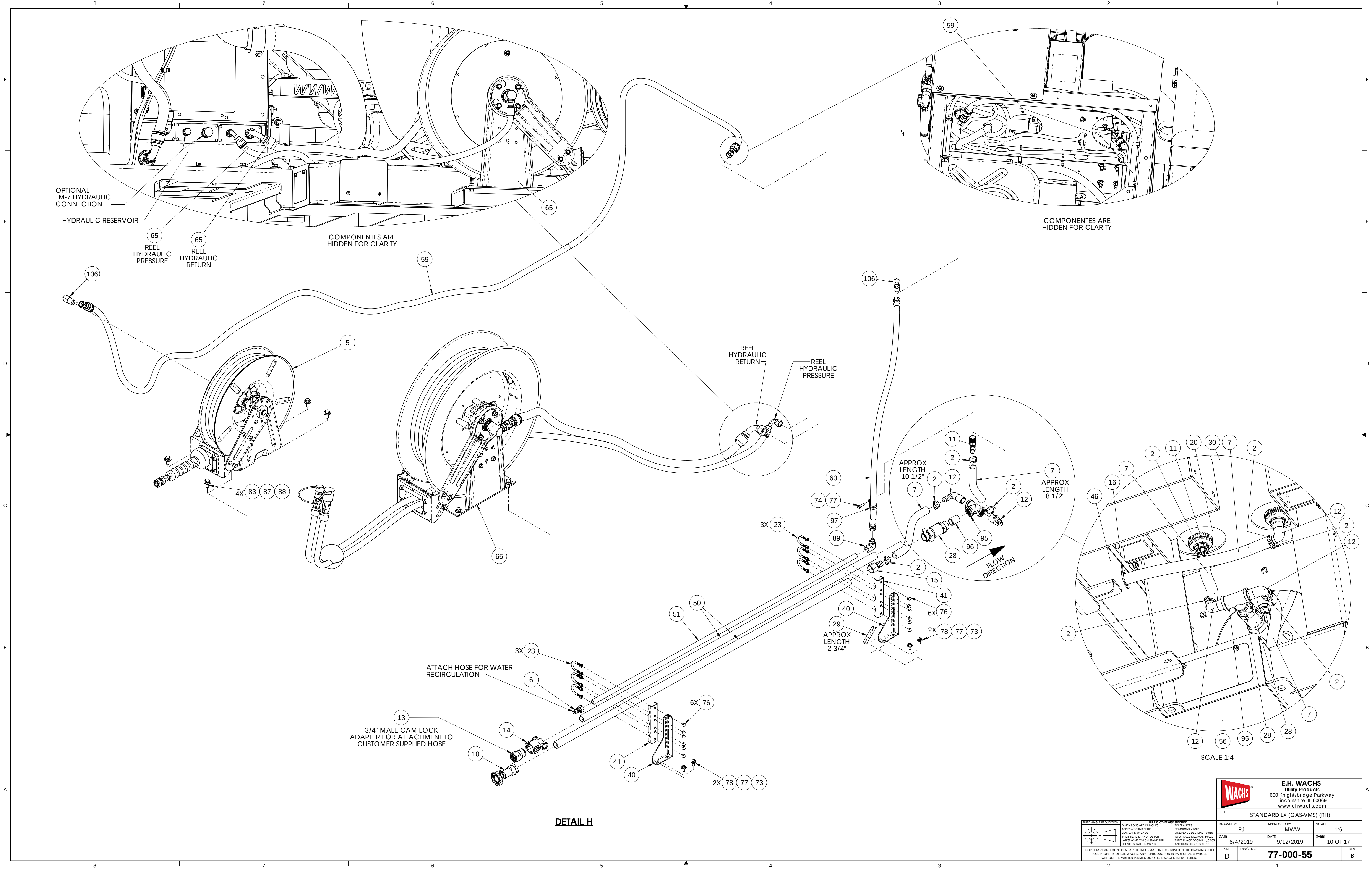
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THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED:	
	DIMENSIONS ARE IN INCHES	TO DECIMALS:	
	APPLY WORKMANSHIP	FRACTIONS 1/16"	
	STANDARD W/ 1/16"	ONE PLACE DECIMAL .0001	
	INTERPRET DIM AND TOL PER	TWO PLACE DECIMAL .0005	
LATEST ASME Y14.5M STANDARD		THREE PLACE DECIMAL .0005	
DO NOT SCALE DRAWING		ANGULAR 1/16 MINUTES	
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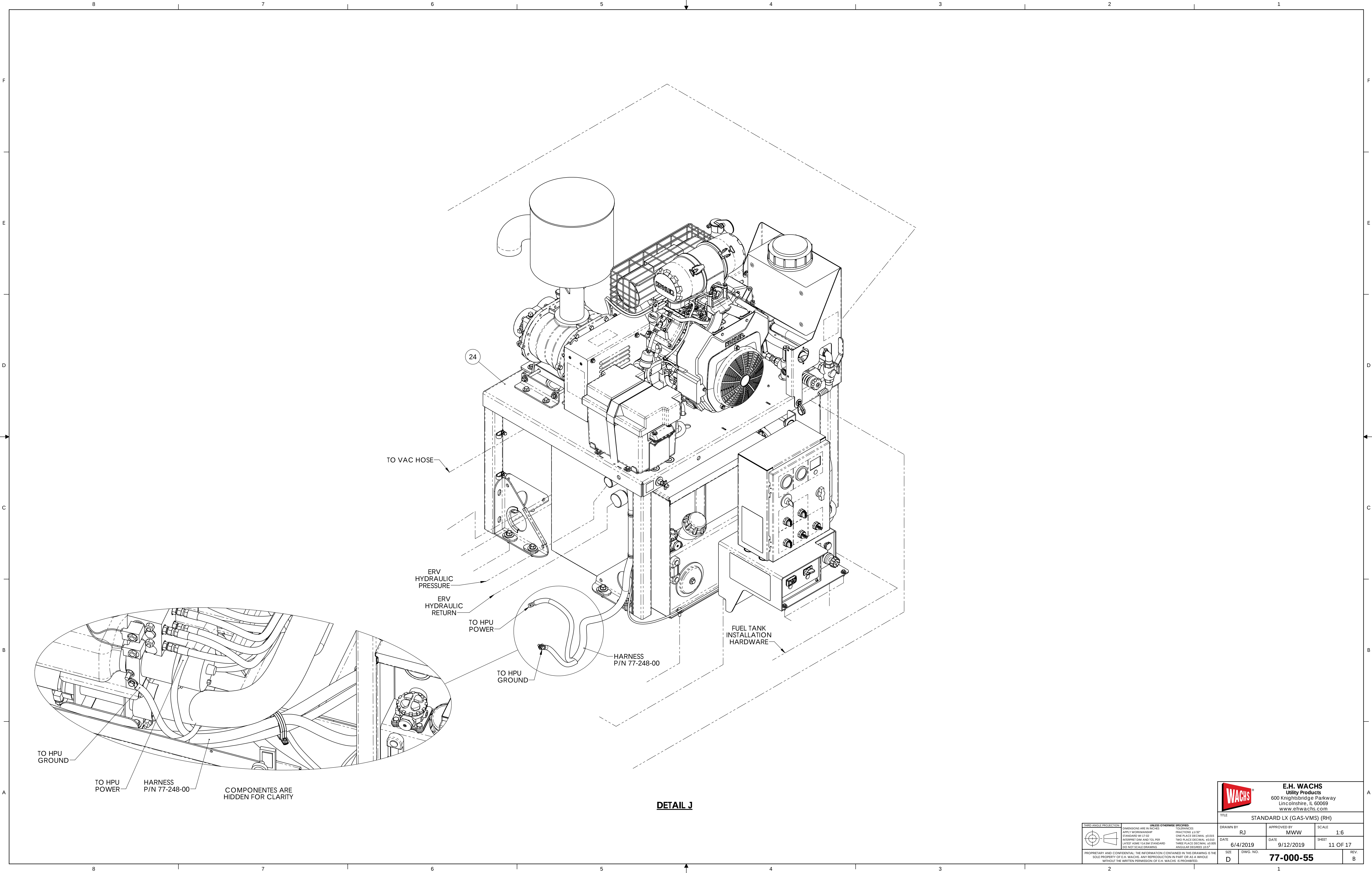
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TITLE STANDARD LX (GAS-VMS) (RH)			
DRAWN BY RJ	APPROVED BY MWW	SCALE 1:7	
DATE 6/4/2019	DATE 9/12/2019	SHEET 9 OF 17	
SSE D	DWG. NO. 77-000-55	REV. B	



THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED:	
	DIMENSIONS ARE IN INCHES		TOLERANCES:
	APPLY WORKMANSHIP		FRACTIONS 1/32"
	STANDARD W/ 1/32		ONE PLACE DECIMAL .0015
	INTERPRET DIM AND TOL PER		TWO PLACE DECIMAL .0015
	LATEST ASME Y14.5M STANDARD		THREE PLACE DECIMAL .0005
	DO NOT SCALE DRAWING		ANGULAR DEGREES 0.5°
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		A	
TITLE STANDARD LX (GAS-VMS) (RH)			
DRAWN BY RJ		APPROVED BY MWW	
		SCALE 1:6	
DATE 6/4/2019		DATE 9/12/2019	
		SHEET 10 OF 17	
SIZE D	DWG. NO.	77-000-55	
		REV. B	

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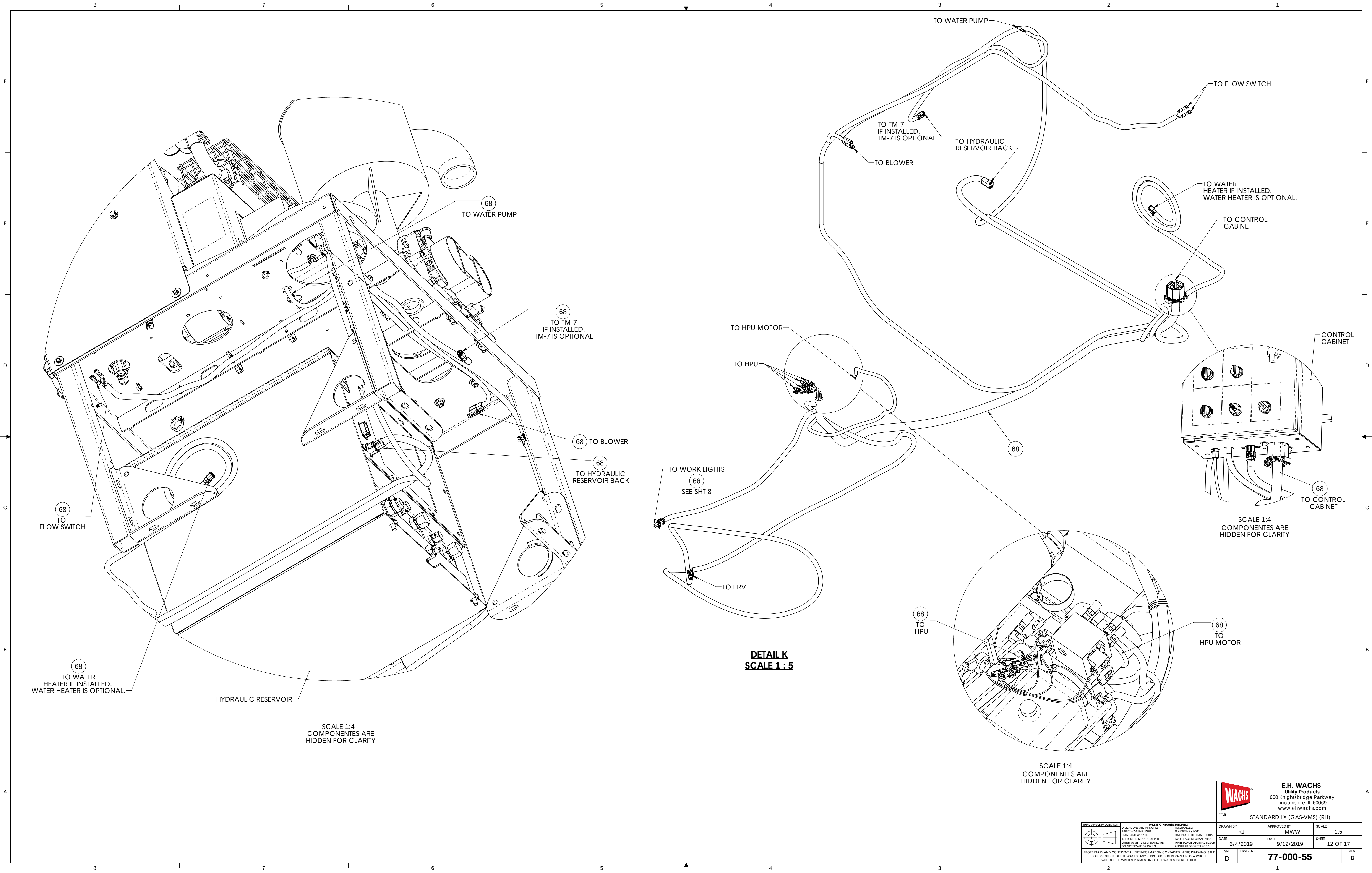


DETAIL J



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TITLE STANDARD LX (GAS-VMS) (RH)			
DRAWN BY RJ	APPROVED BY MWW	SCALE 1:6	
DATE 6/4/2019	DATE 9/12/2019	SHEET 11 OF 17	
SEE D	DWG. NO. 77-000-55	REV. B	



THIRD ANGLE PROJECTION		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED: FRACTIONS 1/16" TO 1/2" DECIMALS .001 TO .005 TOLERANCES: FRACTIONS 1/16" TO 1/2" ±.005 DECIMALS .001 TO .005 ±.001 LARGER THAN .005 ±.005 DO NOT SCALE DRAWING	
APPROVED BY		DATE	
RJ		6/4/2019	
DATE		9/12/2019	
SHEET		12 OF 17	
DWG. NO.		77-000-55	
REV.		B	

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TITLE
STANDARD LX (GAS-VMS) (RH)

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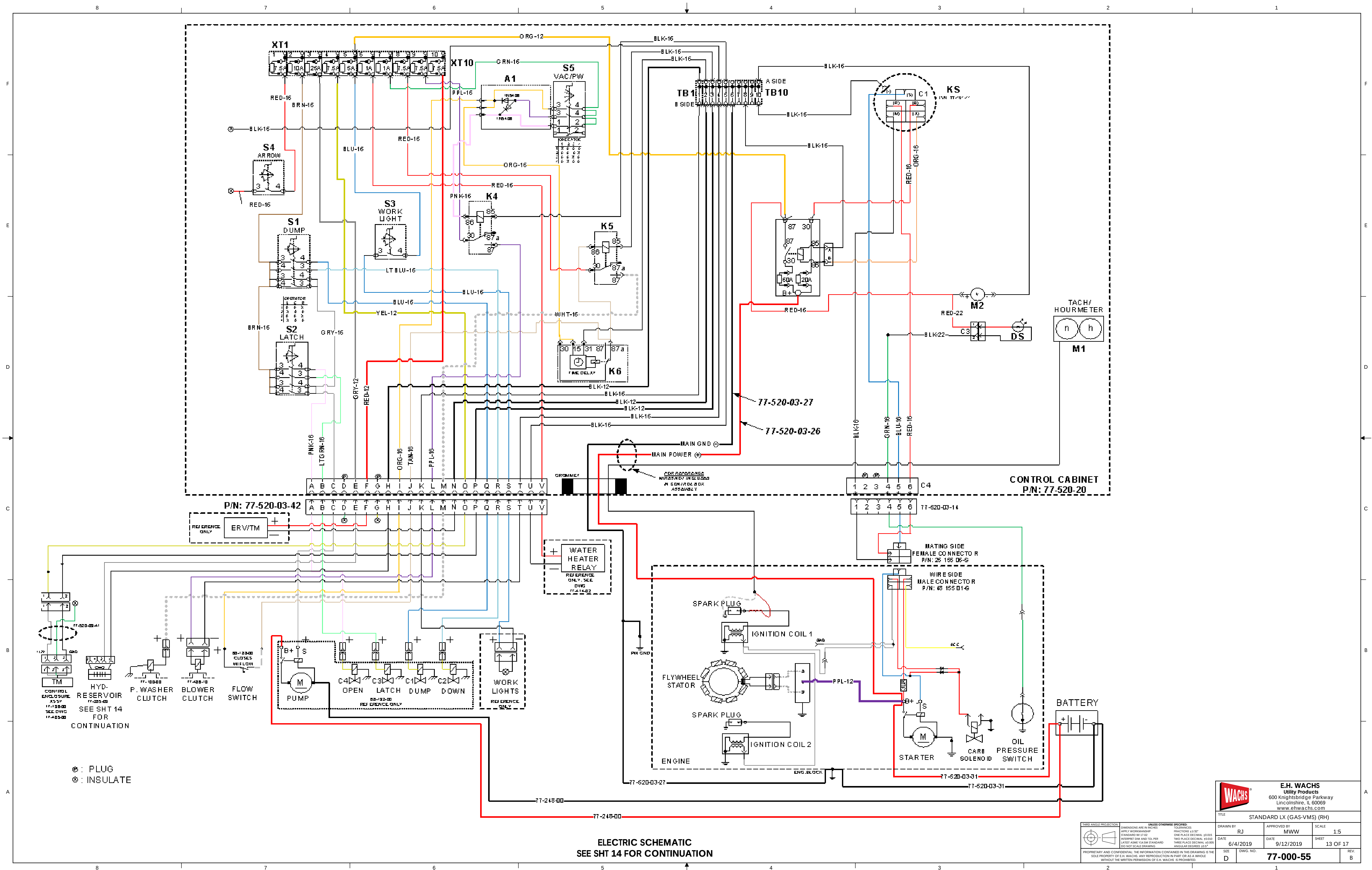
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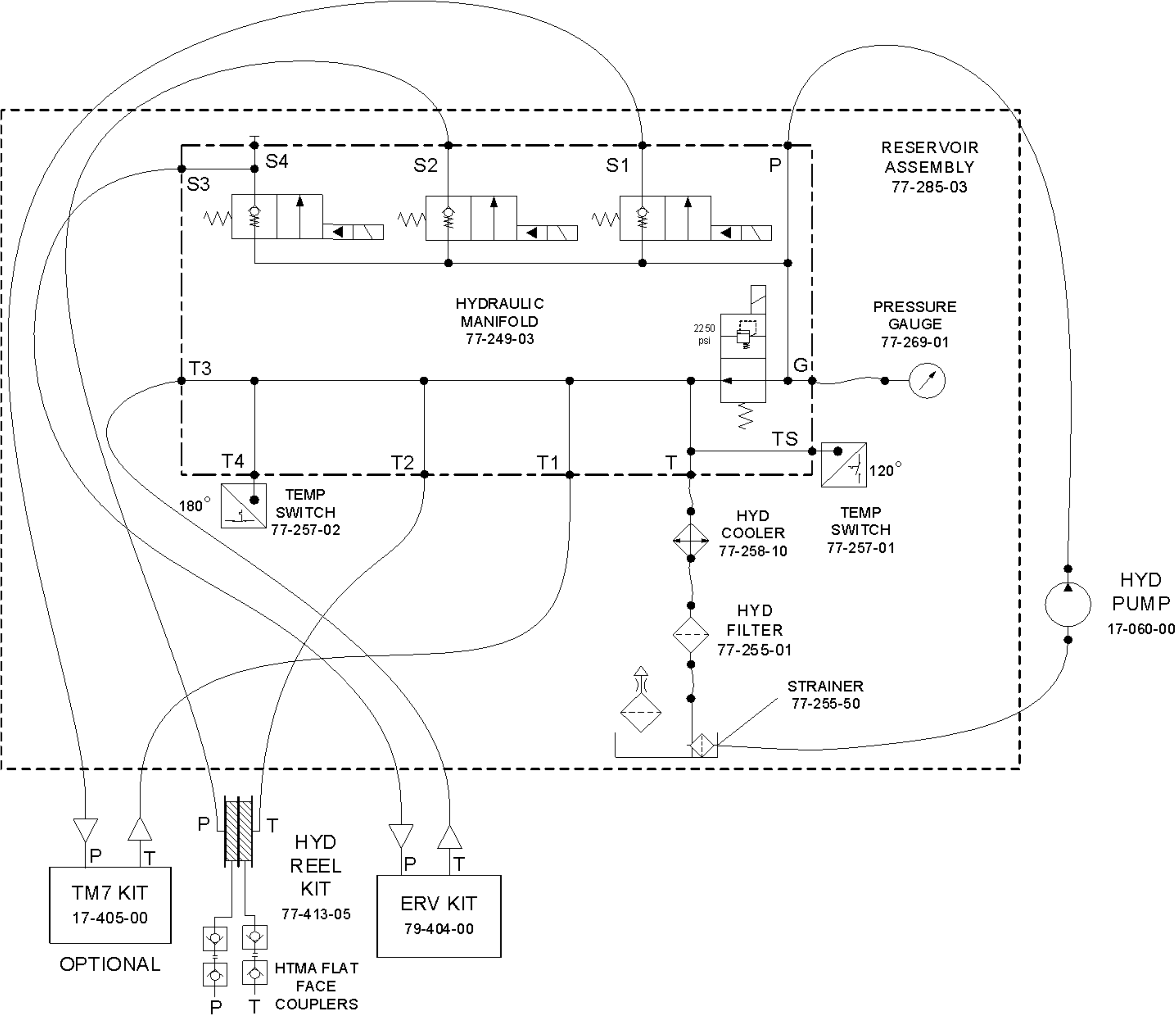
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9/12/2019

SHEET
12 OF 17

DWG. NO.
77-000-55

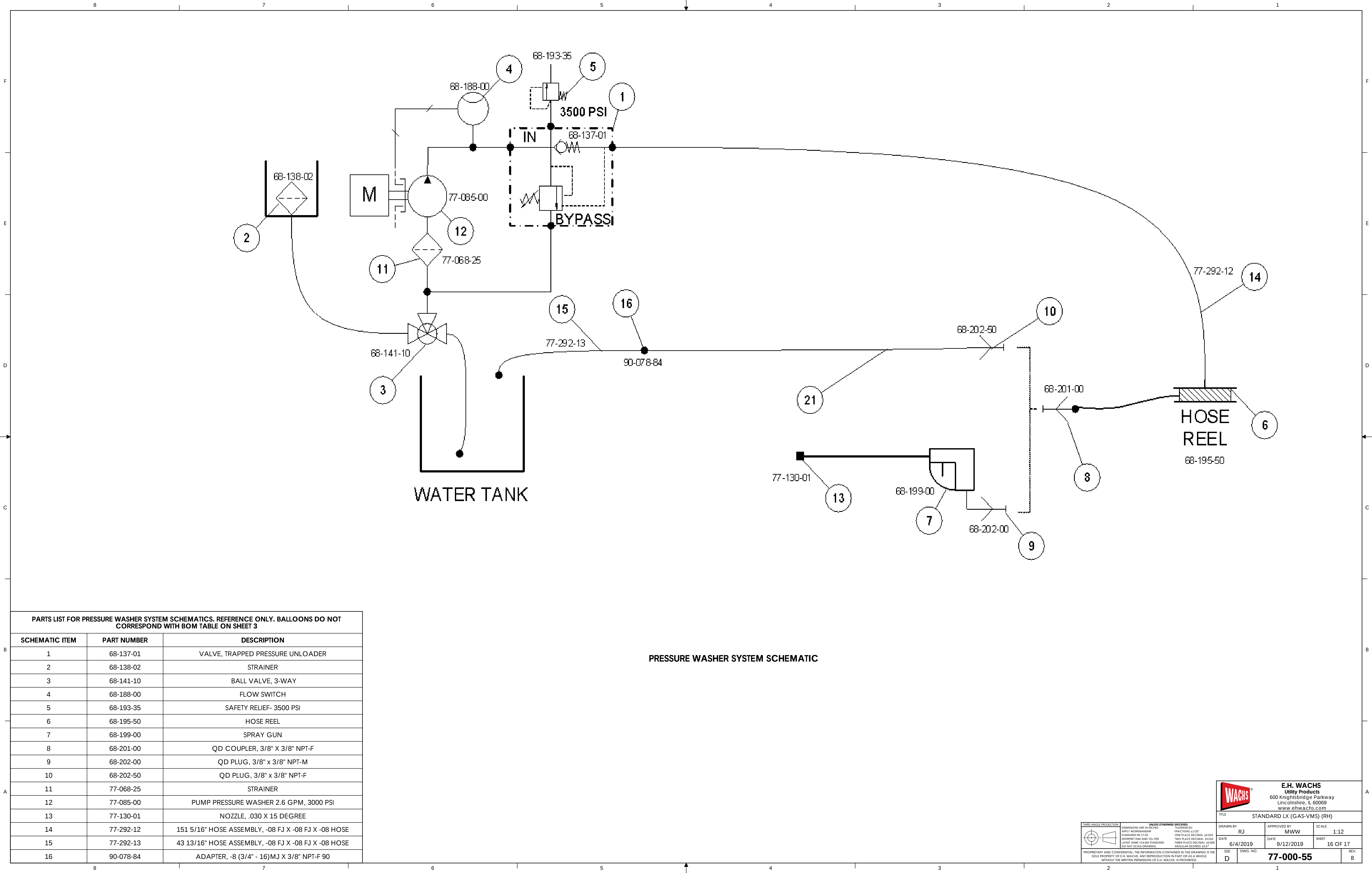
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HYDRAULIC SCHEMATIC

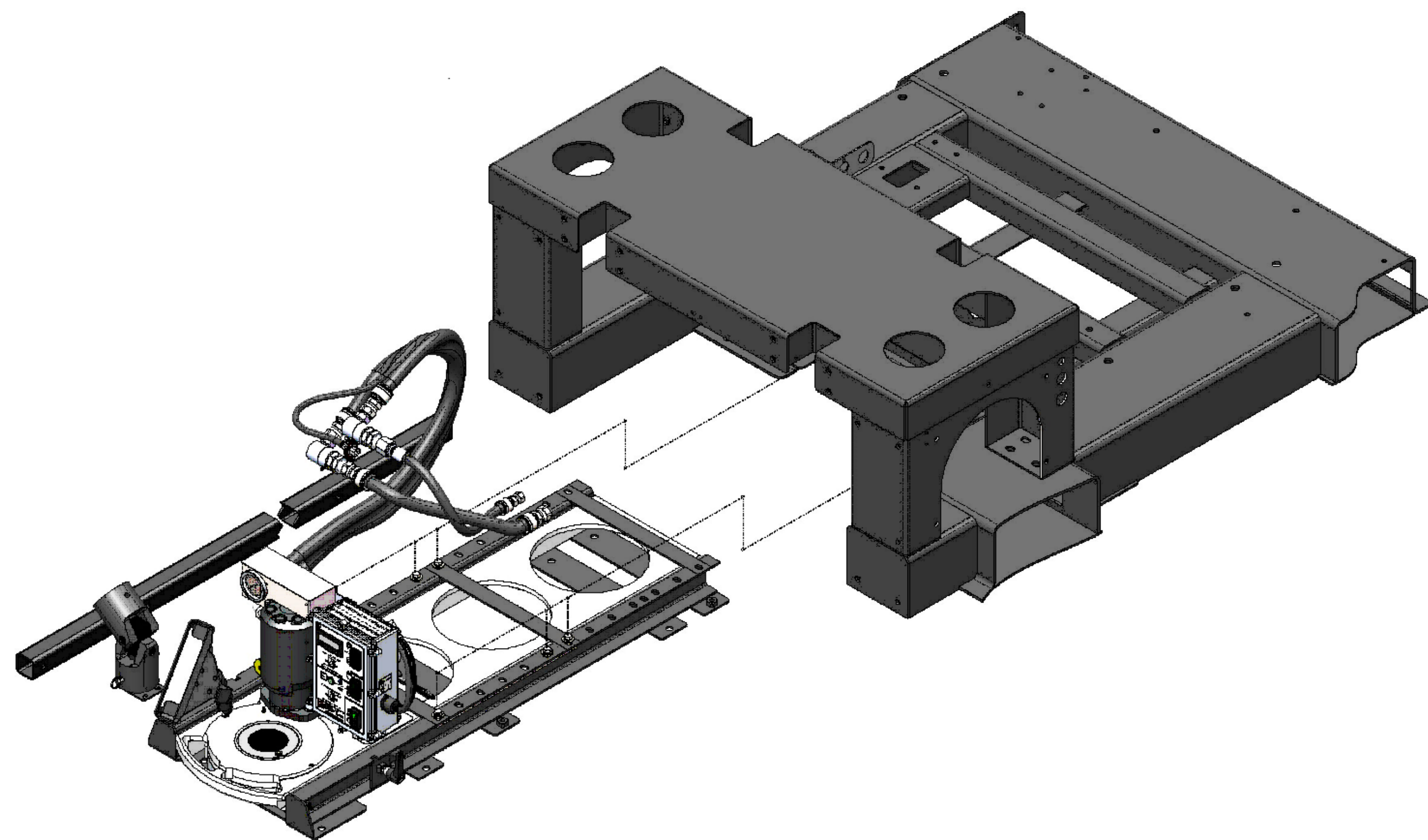
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THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS 1/16" - 1/8" ±0.015 DECIMALS 0.001 - 0.005 ±0.002 HATCHES 30° ±0.002 DO NOT SCALE DRAWING	
DRAWN BY RJ	APPROVED BY MWW	DATE 6/4/2019	SCALE 1:6
DATE 9/12/2019	DATE 9/12/2019	SHEET 15 OF 17	REV. B
SEE D	DWG. NO. 77-000-55		



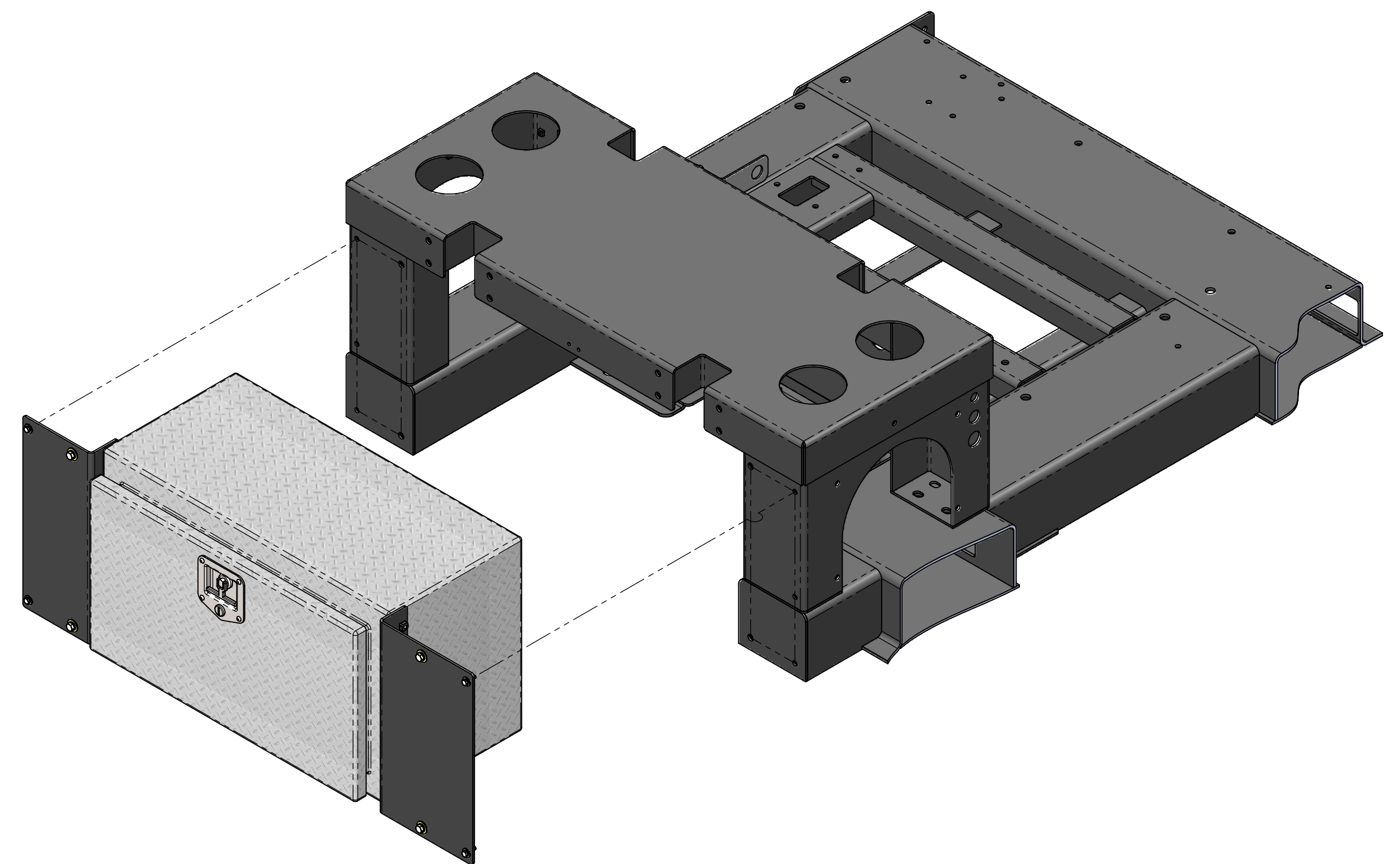
PRESSURE WASHER SYSTEM SCHEMATIC

E.H. WACHS
Utility Products
600 Knightsbridge Parkway
Lincolnshire, IL 60069
www.ehwachs.com

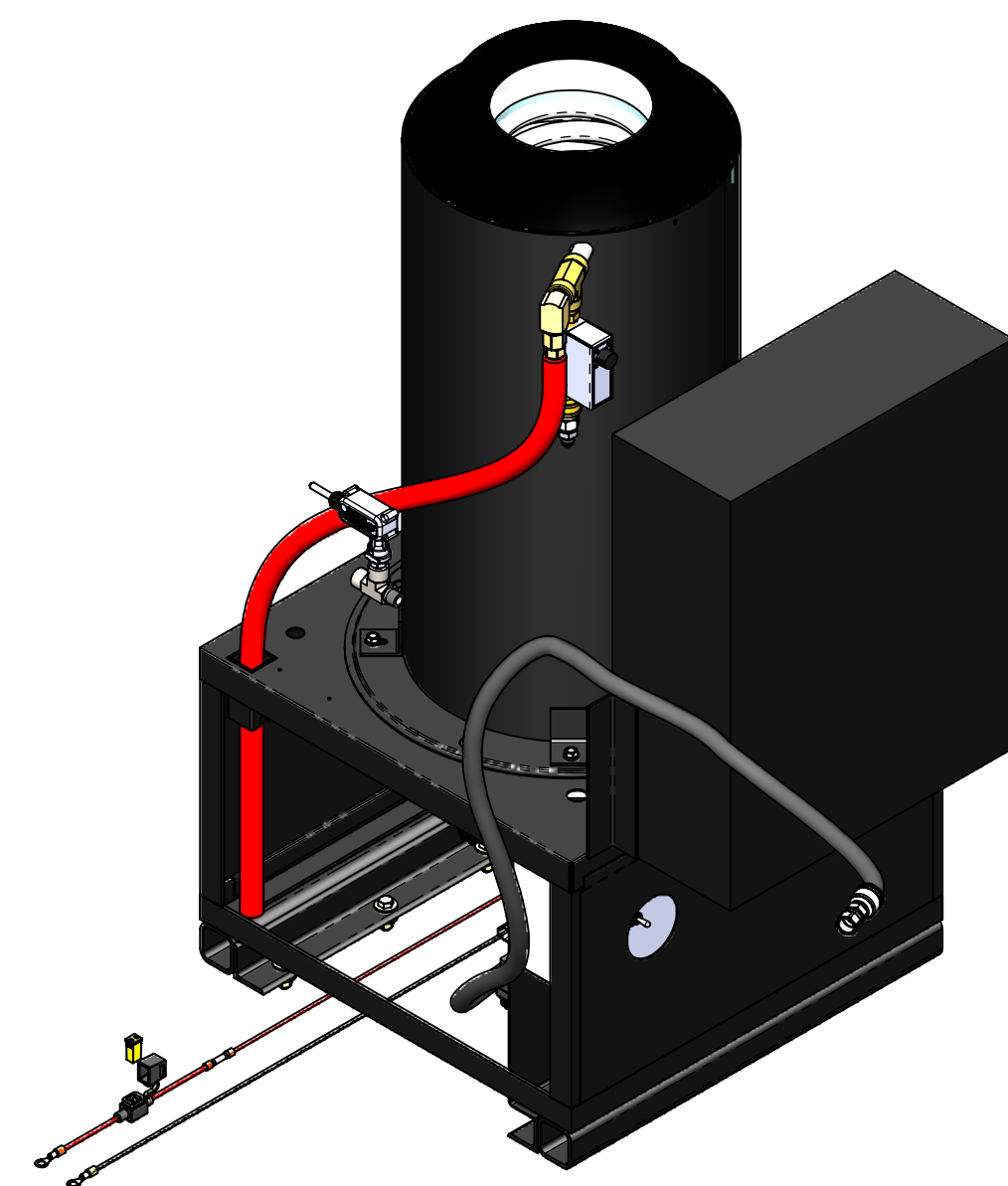
TITLE STANDARD LX (GAS-VMS) (RH)			
DRAWN BY RJ	APPROVED BY MWW	SCALE 1:12	
DATE 6/4/2019	DATE 9/12/2019	SHEET 16 OF 17	
SSE D	DWSG. NO. 77-000-55	REV. B	



P/N 17-405-00
TM-7 HD PLUS FOR VMS KIT
NOT AVAILABLE WITH JOB BOX

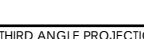


P/N 77-409-00
JOB BOX FOR VMS KIT.
NOT AVAILABLE WITH TM-7



P/N 77-414-02
WATER HEATER - VMS KIT

AVAILABLE OPTIONS

		THIRD ANGLE PROJECTION	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES APPLY WORKMANSHIP STANDARD: WF 12X27 INTERMIT DIM. AND, FOR LATER ADH. TENS. STANDARD, DO NOT SCALE DRAWING		TOLERANCES: FRACTIONS: 1/16" ONE PLACE DECIMAL: ±0.15 TWO PLACE DECIMAL: ±0.10 THREE PLACE DECIMAL: ±0.005 DEGREE: ±0.5	
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