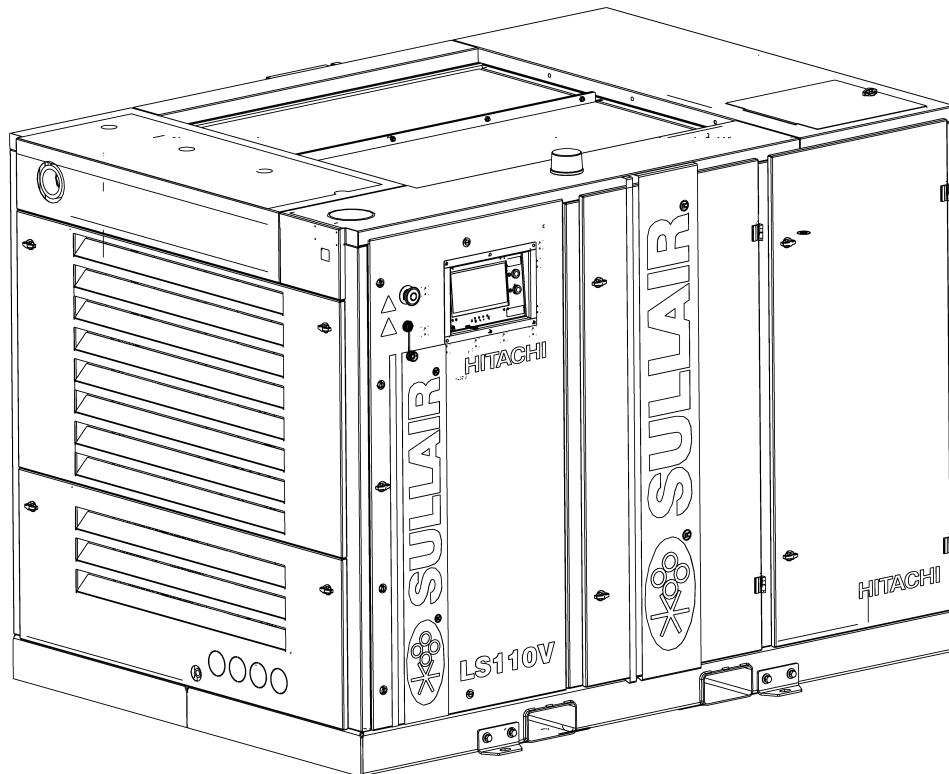




PARTS LIST MANUAL

Industrial Air Compressor LS90, LS90S, LS90V, LS110, LS110S, LS110V

125 & 150 hp (90 & 110 kW)



SAFETY WARNING

Users are required to read the entire User Manual before handling or using the product. Keep the User Manual in a safe place for future reference.

WARRANTY NOTICE

Failure to follow the instructions and procedures in this manual, or misuse of this equipment, will void its warranty.

PART NUMBER:
02250231-031 R06

The information in this manual is current as of its publication date and applies to compressor models indicated on this cover with **serial number:**

US0123090001

and all subsequent serial numbers until next revision of this manual or release of a replacement manual..

Publication date: 05/30/2025

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 **Hitachi Global Air Power US, LLC**

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Hitachi Global Air Power offers compressor service training courses for Sullair distributor service technicians, as well as end users, at regular intervals throughout the year at the factory training center located in Michigan City, IN.

Training for Sullair distributor service technicians: Authorized Sullair distributors have access to online and in-person training courses that cover all aspects of compressor installation, operation, maintenance and troubleshooting. For a complete listing of all available training courses and dates, distributors can log on to the training website at <https://Training.Sullair.com> (account number required).

Training for end users/operators: End users who are interested in learning how to operate, maintain and conduct basic troubleshooting on Sullair stationary oil-flooded rotary screw air compressors can register for the four-day "End User Stationary" training course by contacting a local, authorized Sullair distributor.

Hitachi Global Air Power Training Department

1-888-SULLAIR or
219-879-5451 (ext. 5623)
Training@Sullair.com
www.SullairTraining.com

- Or Write -

Hitachi Global Air Power
1 Sullair Way
Michigan City, IN 46360
Attn: Training Department



Table of Contents

1.1	Procedure for ordering parts	5	1.19	Sump tank assembly (10 and 12 bar machines)	46
1.2	Recommended spare parts list	6	1.20	Sump tank assembly (Certified relief valves – all pressures)	48
1.3	Compressor, frame and drive	10	1.21	Moisture drain	50
1.4	Compressor, Spiral Valve	12	1.22	Drain, 23 series with Spiral Valve	52
1.5	Air inlet system, air-cooled	14	1.23	Drain, 23 series without Spiral Valve	54
1.6	Air inlet system, water-cooled (enclosed)	16	1.24	Pneumatic control, nylon (Wye-delta)	56
1.7	Air piping, air-cooled	18	1.25	Pneumatic control, nylon (VSD, Spiral Valve)	58
1.8	Air piping, water-cooled	20	1.26	Pneumatic control, stainless steel (Wye-delta)	60
1.9	Water piping, water-cooled (standard)	22	1.27	Pneumatic control, stainless steel (VSD, Spiral Valve)	64
1.10	Water piping, water-cooled (water solenoid valve and water regulating valve)	24	1.28	Electrical control assembly (Wye-delta, VSD)	66
1.11	Fluid piping, air-cooled (L, H)	28	1.29	Electrical control assembly (Spiral Valve)	68
1.12	Fluid piping, water-cooled (L, H)	30	1.30	Electrical control assembly, water-cooled (Wye-delta, VSD)	70
1.13	Fluid piping, water-cooled (L, H with regulating valve) ...	32	1.31	Electrical control assembly, water-cooled (Spiral Valve)	72
1.14	Cooling and lubrication system, air-cooled (460V)	34	1.32	Motor wiring	74
1.15	Cooling and lubrication system, water-cooled (460V)	38	1.33	Wye-delta options	76
1.16	Aftercooler, water-cooled (standard)	40	1.34	VSD options	78
1.17	Sump & piping	42	1.35	Starter mounting (Wye-delta)	80
1.18	Sump tank assembly (8 and 9 bar machines)	44			

1.36	Starter mounting (VSD).....	82	1.43	Communications, AirLinx 2.0 Enclosure	130
1.37	Control starter (Wye-delta – 125 hp).....	84	1.44	Communications, AirLinx 2.0 Open.....	132
1.38	Control starter (Wye-delta – 150 hp).....	92	1.45	Enclosure, air-cooled	134
1.39	Control starter (VSD—125 hp, 460V)	100	1.46	Enclosure, water-cooled.....	138
1.40	Control starter (VSD—125 hp, 575V)	108	1.47	Decal locations, air-cooled	142
1.41	Control starter (VSD—150 hp, 460V)	116	1.48	Decal locations, water-cooled	146
1.42	Control starter (VSD—150 hp, 575V)	124			

1.1 Procedure for ordering parts

You should order parts from the nearest authorized Sullair representative or the representative from whom the compressor was purchased. If for any reason you cannot obtain parts in this manner, contact the factory directly at the address, phone number, or website listed below.

Hitachi Global Air Power US

1 Sullair Way
Michigan City, IN 46360 USA
www.sullair.com
1-800-SULLAIR (USA only)
1-219-879-5451 (non-USA)

When ordering parts, always indicate the serial number of the compressor. You can get the serial number from the Bill of Lading for the compressor or from the Serial Number Plate located on the compressor (see *Figure 1-1: Serial number plate location*).

The genuine Sullair service parts listed meet or exceed the demands of this compressor. Use of replacement parts other than those approved by Sullair will void the Sullair warranties specific to this product and may lead to hazardous conditions over which Sullair has no control. Such conditions include, but are not limited to, bodily injury and compressor failure.

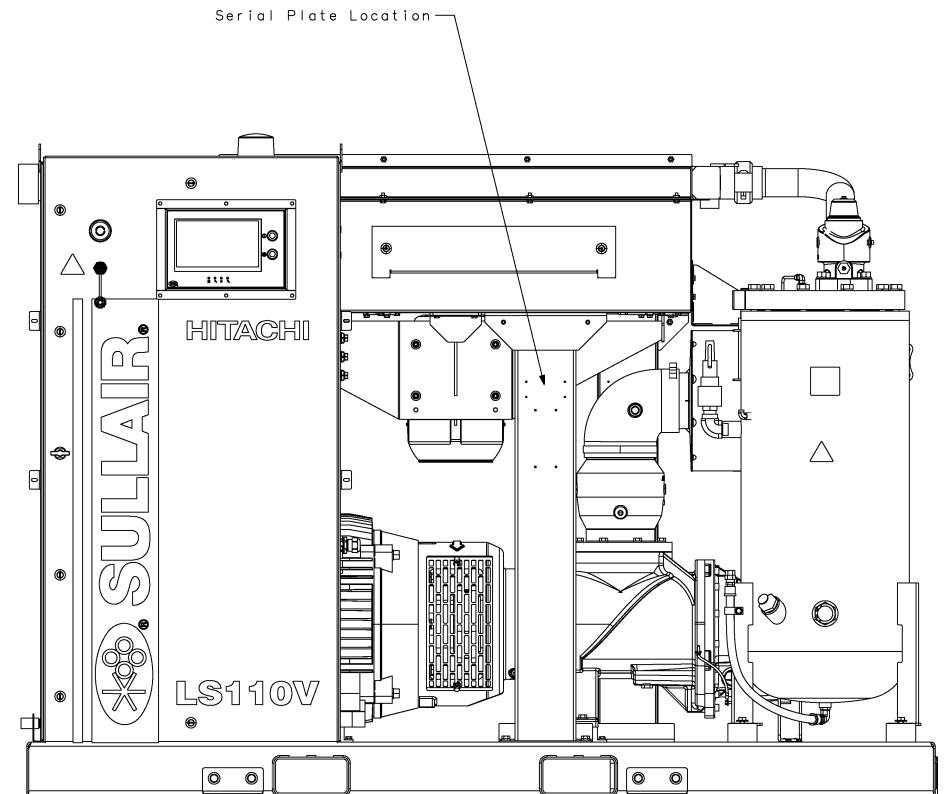


Figure 1-1: Serial number plate location

1.2 Recommended spare parts list

Part number	Qty	Description	Notes
02250135-155	1	ELEMENT,AIR FLTROPTIMALAIR 750CFM	
02250231-914	1	COVER,AIRFLTR OPTIMALAIR 750CFM	
02250231-911	1	VALVE,DUST EJECTOR 750CFM	
250025-526	1	ELEMENT,FLUID FILTER	
02250229-242	1	KIT,SEPARATOR ELEMENT LS110	
02250117-782	1	FILTER,ASSEMBLY GENISIS FILTR +	
241772	1	KIT, REP STRAINER-V-TYPE	
02250053-273	1	KIT,REPAIR 6" INLET VALVE	
02250176-830	1	KIT,REPAIR THRMVLV O-RING 175F	
02250176-831	1	KIT,REPAIR THRMVLV O-RING 190F	
02250214-211	1	KIT,REPAIR 3" SAE MIN PRESS VLV	
250022-669	4	LUBRICANT,SULLUBE 32 5GAL	
02250215-660	1	ELEMENT,COUPLING 40R BLACK	
02250229-231	1	COVER,CPLG 40R BLK ELEMENT	
02250189-201	1	KIT,VALVE SERVICE ZLOSS	
02250160-745	1	KIT,SOLENOID VALVE REBUILD 02250125-657*	
02250125-861	1	COIL,SOL REPL 110/120 3'LEADS+	
02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
02250182-947	1	STRAINER,SCREEN .690 DIA X1.045 LG	
408893	1	VALVE, SHUTTLE 1/4" (DBL CHK)	
	1	KIT,SEAL REPL D23A DBL TFE LIP	Consult factory
02250300-321	1	KIT,TOOL - D23A LIP SEAL REPL	
02250224-923	1	KEY,PARAL ISO R773 3X3X10	
250042-647	1	O-RING,STR THD	for 040029 fill plug
250042-648	1	O-RING,STR THD 70 VITON 1-1/2"	for sight glass plug 02250097-611
250022-669	(I)	LUBRICANT, SULLUBE (STD.) (5 GAL/19 LITER)	
02250196-470	(I)	LUBRICANT, PRISTINE FG (FOOD GRADE) (5 GAL/19 LITER)	

1.2 Recommended spare parts list

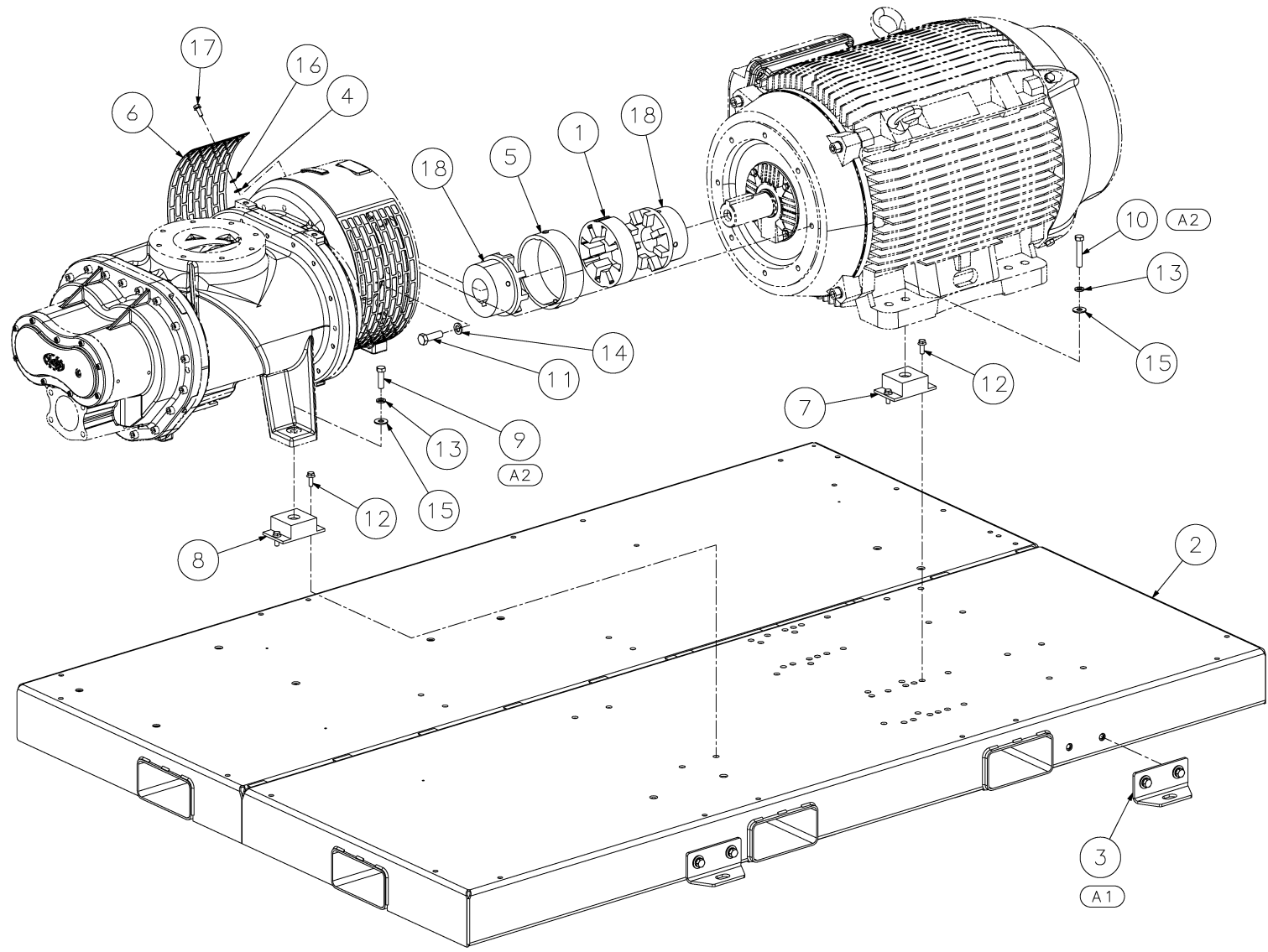
Part number	Qty	Description	Notes
1000-8059	1	KIT, 2000 HOUR MAINTENANCE	Parts included in kit: 02250135-155 1 250025-526 1
1000-8060	1	KIT, 8000 HOUR MAINTENANCE	Parts included in kit: 02250135-155 1 02250229-242 1 241772 1 250022-669 2 250025-526 1
1000-8061	1	KIT, YEARLY MAINTENANCE	Parts included in kit: 02250135-155 4 02250229-242 1 241772 1 250022-669 2 250025-526 4
1000-8062	1	KIT, FILTERS MAINTENANCE	Parts included in kit: 02250135-155 4 250025-526 4 241772 1 02250229-242 1
1003-4832	1	KIT, DRAIN 23S WITH SPIRAL VALVE LS90-160	Parts included in kit: 408300-004 2 884408-075 1 884408-056 1 878308-075 1 878306-056 1 02250230-734 2 882508-125 1 02250225-774 2 870004-006 1 1003-3528 1 1003-3529 1 882608-020 1

1.2 Recommended spare parts list

Part number	Qty	Description	Notes
1003-4669	1	KIT, DRAIN 23S WITHOUT SPIRAL VALVE LS90-160	Parts included in kit: 408300-004 1 884408-056 1 878306-056 1 02250230-734 1 882508-125 1 02250225-774 1 870004-006 1 1003-3529 1 882608-020 1

Notes:

1.3 Compressor, frame and drive



02250226-470 R05



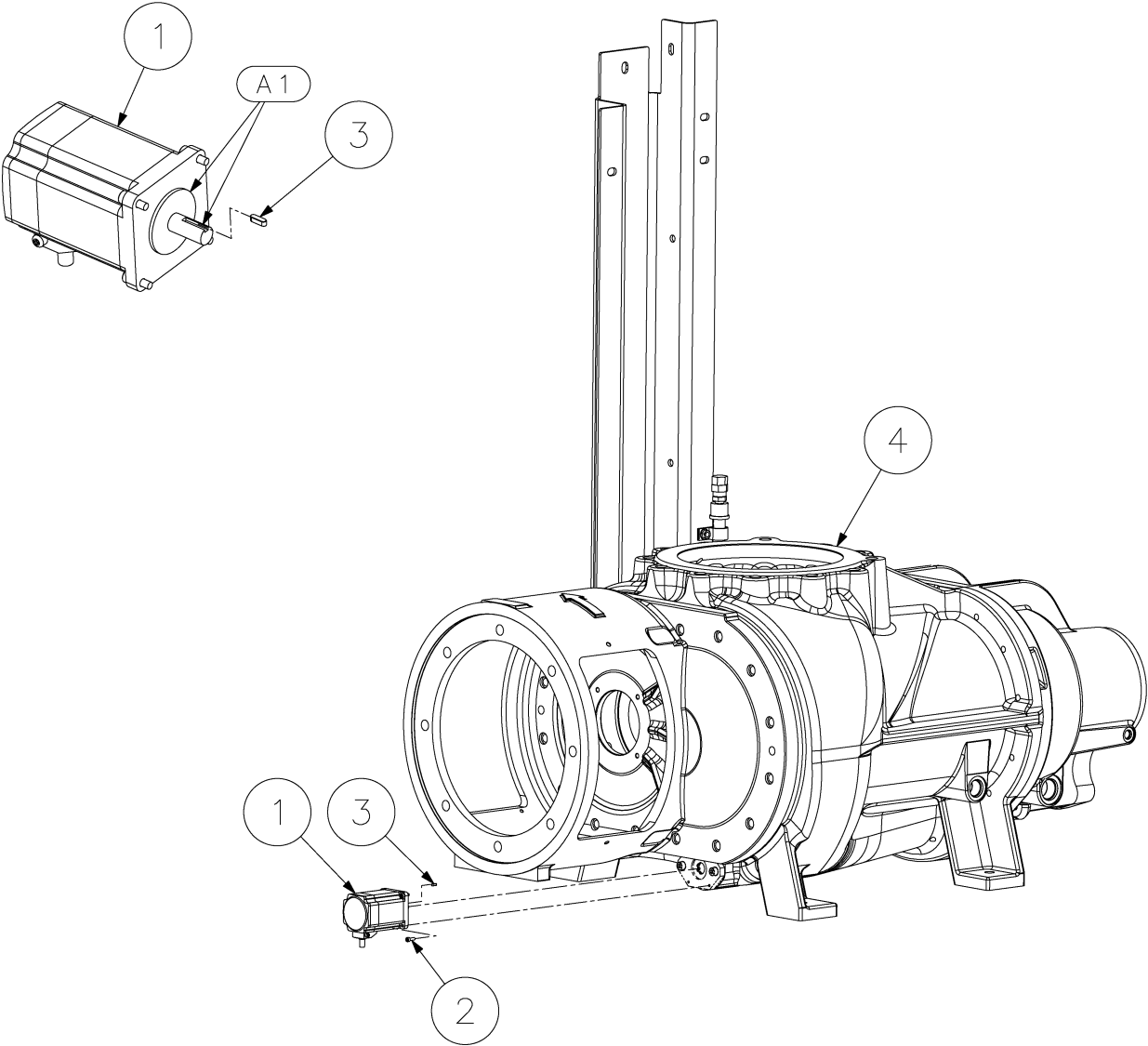
1.3 Compressor, frame and drive

Key	Part number	Qty	Description	Notes
1	02250215-660	1	ELEMENT,COUPLING 40R BLACK	
2	02250222-598	1	FRAME,ASSY 125-150 HP	
3	02250226-635	1	KIT,TIE DWN BRKTS 125-150HP	
4	02250226-838	4	WASHER,LCK NYLON INT TOOTH 5/16	
5	02250229-231	1	COVER,CPLG 40R BLK ELEMENT	
6	1001-0347	2	GUARD,CPLG LS90-110	
7	250042-757	2	ISOLATOR,VIBRATION 670-15	
8	250042-785	2	ISOLATOR,VIBRATION 670-10	
9	829108-175	2	CAPSCREW,HEX GR5 1/2-13 X 1 3/4"	
10	829108-275	2	CAPSCREW,HEX GR5 1/2-13 X 2 3/4"	
11	829110-200	8	CAPSCREW,HEX GR5 5/8-11 X 2"	
12	829706-100	8	SCREW, HX SER WASH 3/8 X 1"	
13	837808-125	4	WASHER, SPRLOCK REG PLTD 1/2"	
14	837810-156	8	WASHER, SPRLOCK REG PLTD 5/8"	
15	838208-112	4	WASHER, PL-B REG PLTD 1/2"	
16	865408-170	4	WASHER, ISO 7089-8-200HV	
17	882608-020	4	SCREW, HEX SER WASHER M8 X 20	
18	02250152-641	2	HUB,CPLG 2.375 BORE 40R	FIXED SPEED
	02250226-002	2	HUB,CPLG 2.375 BORE 40R	VSD

Drawing notes

A1	KIT TO BE SHIPPED LOOSE
A2	TORQUE T0 50 FT-LBS

1.4 Compressor, Spiral Valve



02250221-927 R02

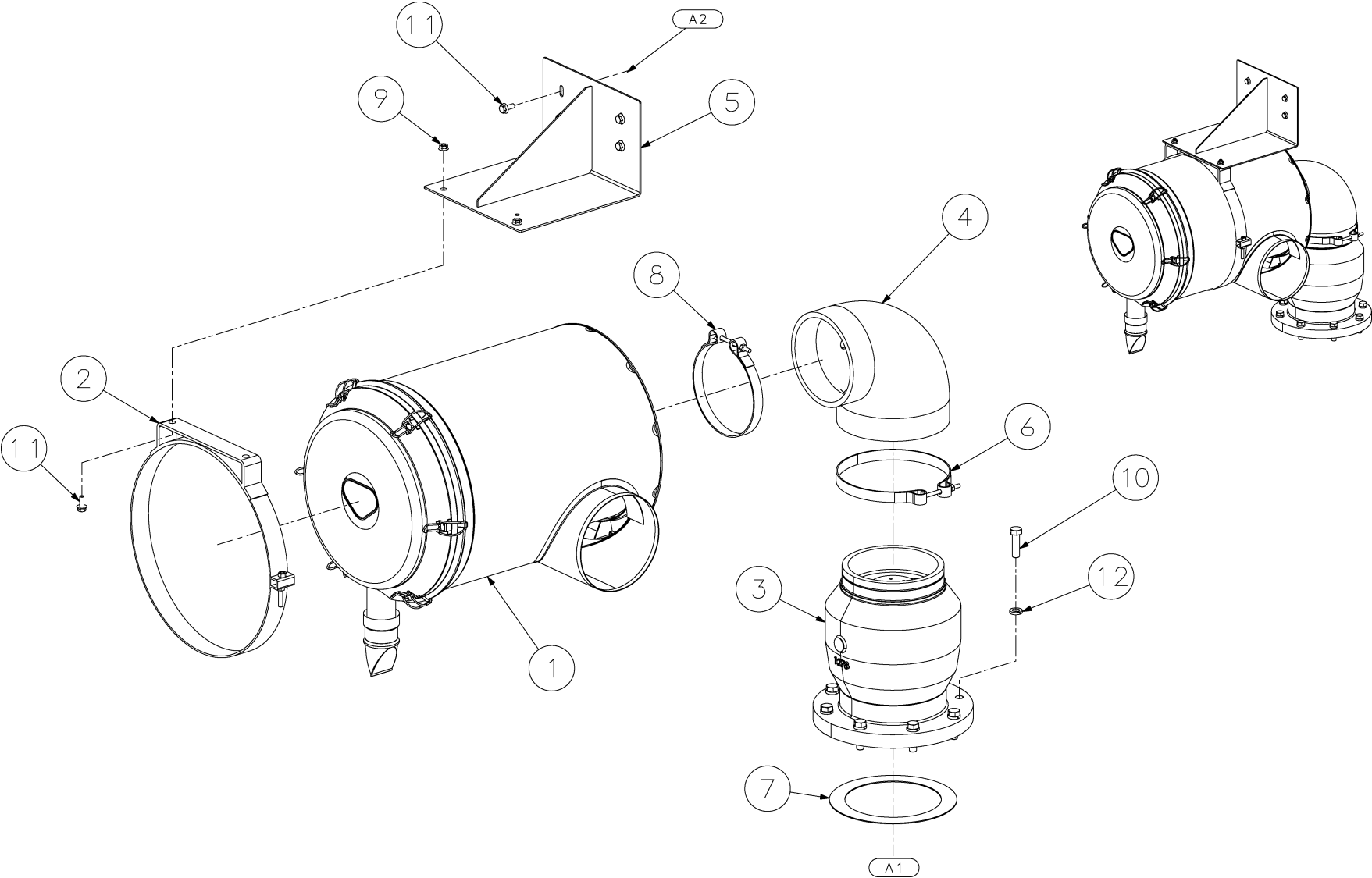
1.4 Compressor, Spiral Valve

Key	Part number	Qty	Description	Notes
1	02250224-248	1	MOTOR,STEPPER NEMA 23	
2	02250224-398	4	SCREW, SOCKET ISO 4762 M4X12MM	
3	02250224-923	1	KEY, PARAL ISO R773 3X3X10	
4	VARIOUS	1	SUB ASSEMBLY, MODULAR, UNIT DRN LS160 26S W/V	

Drawing notes

1	APPLY ANTI SEIZE (REF. PERMATEX 80078)
---	--

1.5 Air inlet system, air-cooled



02250221-921 R02

1.5 Air inlet system, air-cooled

Key	Part number	Qty	Description	Notes
1	02250135-154	1	FILTER,AIRASSY OPTIMALAIR 750CFM	
2	02250146-413	1	BAND,MTG 15" AIR FILTER LS200S	
3	02250222-558	1	VALVE,INLET 6" POP W/BYPASS LS200S	
4	02250225-373	1	ELBOW,RUB 90 6"TO 7"	
5	02250225-453	1	SUPPORT,BRACKET AIR INLET FILTER	
6	041992	1	CLAMP, HOSE 7"	
7	240621-012	1	GASKET, ASA FLG 150# 6"	
8	250020-159	1	CLAMP, HOSE 6 9/16 TO 6 1/4"	
9	825305-283	2	NUT, HEX FLGD PLTD 5/16-18	
10	829108-175	8	CAPSCREW,HEX GR5 1/2-13 X 1 3/4"	
11	829705-075	6	SCREW, HX SER WASH 5/16 X 3/4"	
12	837808-125	8	WASHER, SPRLOCK REG PLTD 1/2"	

Drawing notes

A1	TO COMPRESSOR INLET
A2	TO AIROC FANBOX



16

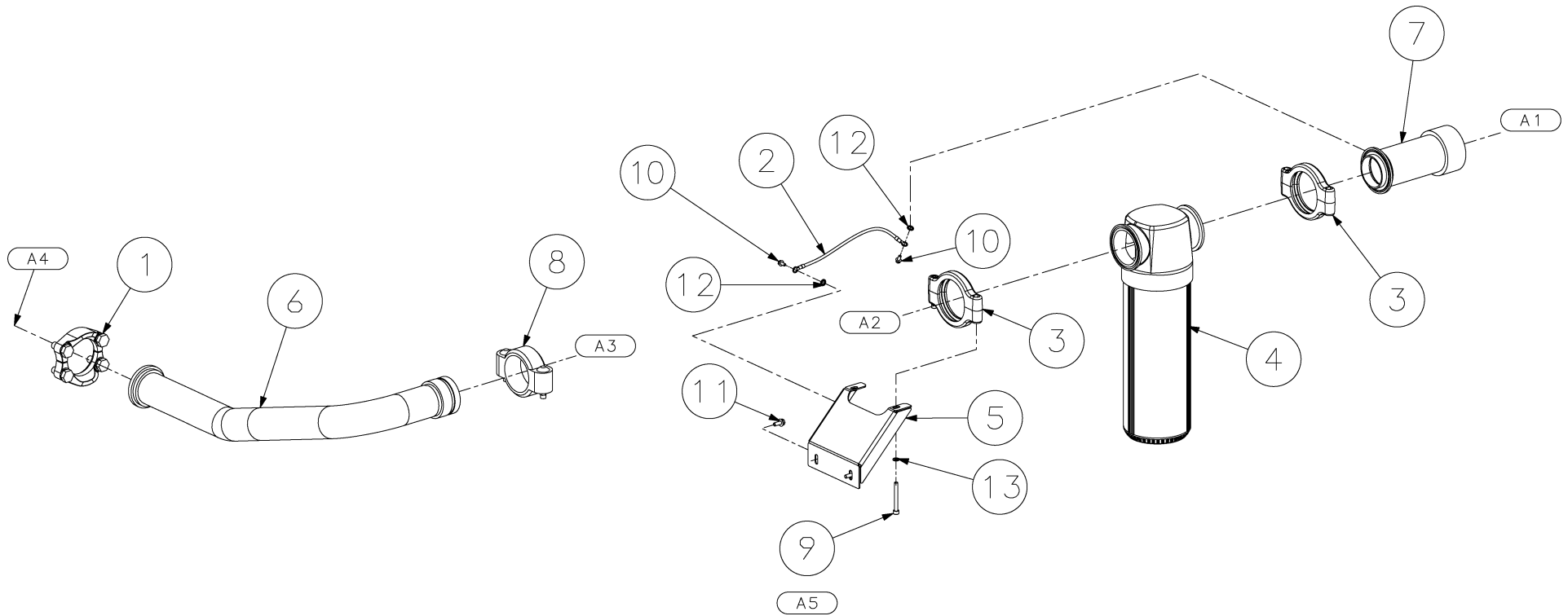
1.6 Air inlet system, water-cooled (enclosed)

Key	Part number	Qty	Description	Notes
1	02250044-538	2	CLAMP, T-BOLT SS BAND 7.50" ID	
2	02250135-154	1	FILTER,AIRASSY OPTIMALAIR 750CFM	
3	02250146-413	1	BAND,MTG 15" AIR FILTER LS200S	
4	02250222-558	1	VALVE,INLET 6" POP W/BYPASS LS200S	
5	02250225-373	1	ELBOW,RUB 90 6"TO 7"	
6	02250226-548	1	SUPPORT,BRACKET AIR INLET FILTER	
7	041992	1	CLAMP,HOSE 7 3/4"	
8	1000-7439	1	HOSE,7" ID CORG AIR INLET LS90	
9	240621-012	1	GASKET, ASA FLG 150# 6"	
10	250020-159	1	CLAMP, HOSE 6 9/16 TO 6 1/4"	
11	825305-283	2	NUT, HEX FLGD PLTD 5/16-18	
12	829108-175	8	CAPSCREW,HEX GR5 1/2-13 X 1 3/4"	
13	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	
14	837808-125	8	WASHER, SPRLOCK REG PLTD 1/2"	

Drawing notes

A1	TO COMPRESSOR INLET
A2	TO WATEROC STRUCTURE
A3	TO ENCLOSURE ROOF

1.7 Air piping, air-cooled



02250223-704 R02



1.7 Air piping, air-cooled

Key	Part number	Qty	Description	Notes
1	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
2	02250157-279	1	WIRE, 10 GAGE GROUND BOND 12"	
3	02250193-544	2	CLAMP,FX FILTER 925-1600	
4	02250208-571	1	SEPARATOR,WTR CS-1600 3" W/O DR	
5	02250211-593	1	SUPPORT,BRACKET FILTER/H2O SEP	
6	02250224-122	1	PIPE ASSEMBLY,AIRPP LS110	
7	02250224-347	1	PIPE ASSEMBLY,3.00 DISCH	
8	02250225-325	1	CLAMP,3.0 SPLIT FLG	
9	829308-070	2	SCREW,SOCKET ISO 4762 M8X70MM	
10	829704-050	2	SCREW, HX SER WASH 1/4 X 1/2"	
11	829705-075	2	SCREW, HX SER WASH 5/16 X 3/4"	
12	838405-034	2	WASHER, LOCK EXT TOOTH 5/16"	
13	838808-200	2	WASHER, SPRLOCK METRIC M8	

Drawing notes

A1	PACKAGE OUT
A2	AC OUT
A3	AC IN
A4	MPV OUT
A5	DISCARD BOLTS IN KIT AND REPLACE WITH 829308-070 FOR THIS CLAMP ONLY

Exploded view diagram of a water pump assembly. The diagram includes the following components and callouts:

- 1**: Impeller
- 2**: Drive shaft
- 3**: Impeller nut
- 4**: Impeller lock washer
- 5**: Impeller lock ring
- 6**: Pump housing
- 7**: Pump housing gasket
- 8**: Pump housing cover
- 9**: Mounting bracket
- 10**: Mounting bracket gasket
- 11**: Mounting bracket screw
- 12**: Mounting bracket pin
- 13**: Mounting bracket pin
- 14**: Mounting bracket pin
- A1**: Impeller lock ring
- A2**: Impeller lock ring
- A3**: Impeller lock ring
- A4**: Impeller lock ring
- A5**: Mounting bracket pin

The diagram shows the assembly sequence from the impeller (1) through the pump housing (6) and mounting bracket (9). A small inset shows the assembled unit.



20

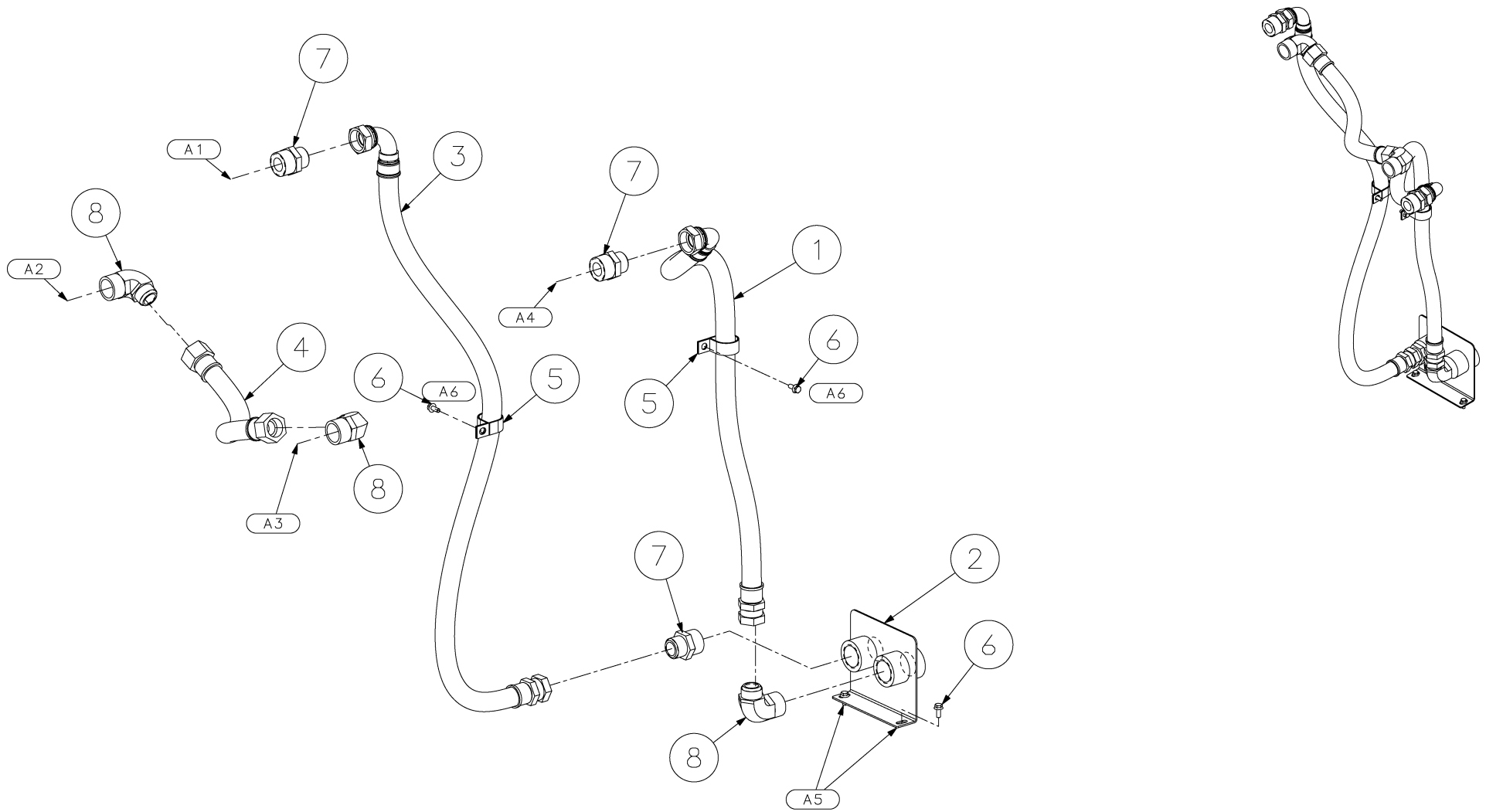
1.8 Air piping, water-cooled

Key	Part number	Qty	Description	Notes
1	02250100-926	1	FLANGE,KIT(SAE) SPLT 3" - VITON	
2	02250157-281	1	WIRE, 10 GAGE GROUND BOND 24"	
3	02250193-544	2	CLAMP,FX FILTER 925-1600	
4	02250208-571	1	SEPARATOR,WTR CS-1600 3" W/O DR	
5	02250224-347	1	PIPE ASSEMBLY,3.00 DISCH	
6	02250224-690	1	PIPE ASSEMBLY,DISCH 3.00 AC OUT	
7	02250224-691	1	PIPE ASSEMBLY,DISCH 3.00 AC IN	
8	02250225-325	2	CLAMP,3.0 SPLIT FLG	
9	02250230-580	1	SUPPORT,AIRPP AC OUT WC	
10	825306-347	4	NUT, HEX FLGD PLTD 3/8-16	
11	829704-050	2	SCREW, HX SER WASH 1/4 X 1/2"	
12	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	
13	838405-034	2	WASHER, LOCK EXT TOOTH 5/16"	
14	868306-250	2	U-BOLT 3/8 X 2 1/2" PIPE PLTD	

Drawing notes

A1	PACKAGE OUT
A2	AC OUT
A3	AC IN
A4	MPV OUT
A5	TO WATEROC SUPPORT STRUCTURE

1.9 Water piping, water-cooled (standard)



02250227-171 R01



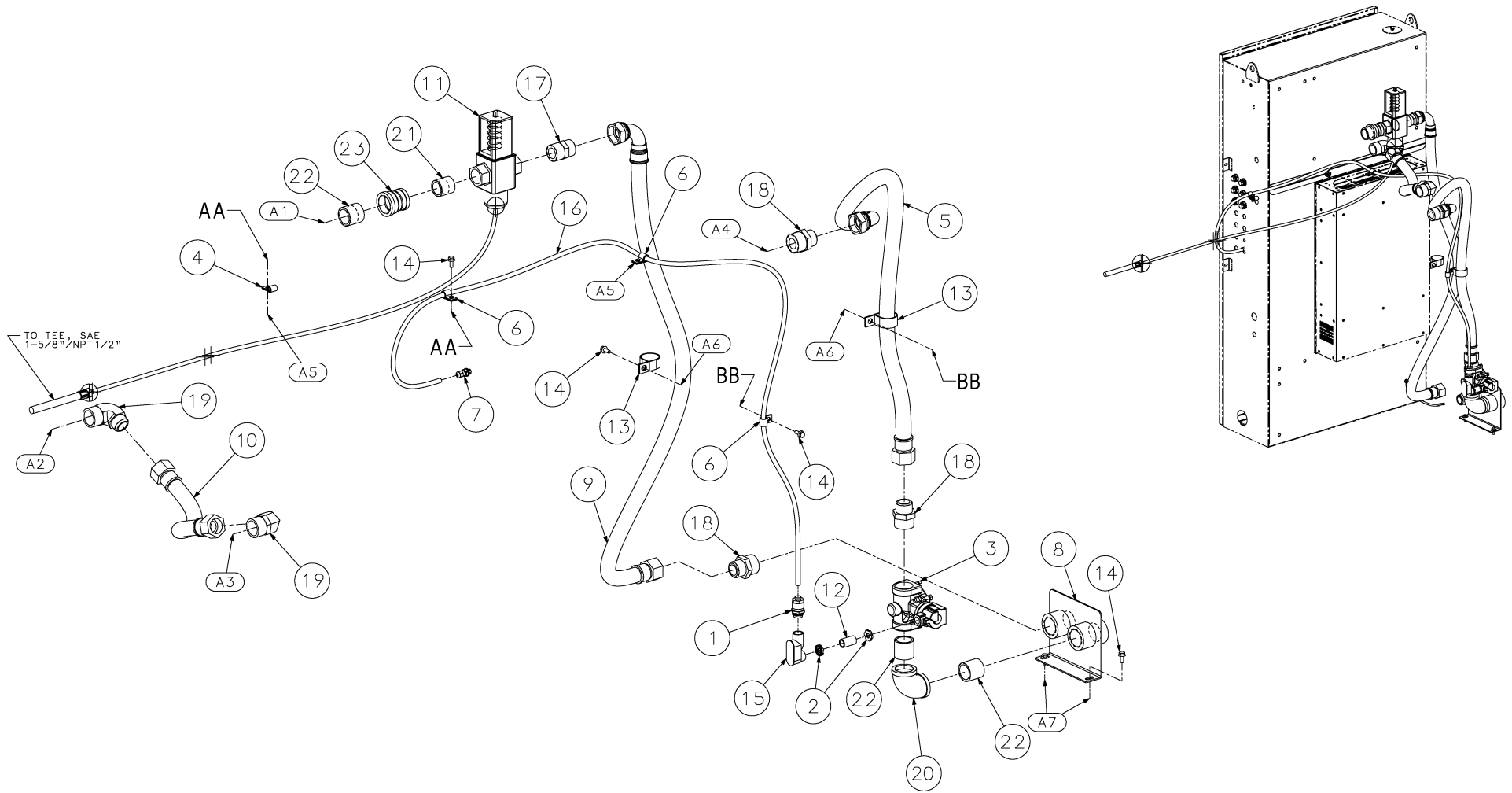
1.9 Water piping, water-cooled (standard)

Key	Part number	Qty	Description	Notes
1	02250219-219	1	HOSE, HYD PARKRIMP 1-1/4 X 71	
2	02250225-689	1	SUPPORT, BRACKET WTRPP	
3	02250226-828	1	HOSE, HYD PARKRIMP 1-1/4X60"OAL	
4	02250226-876	1	HOSE, HYD PARKRIMP 1-1/4X30"OAL	
5	408300-008	2	CLAMP, HOSE O.D. 1.750	
6	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	
7	860120-150	3	CONNECTOR, 37FL/MPT 1-1/4 X 1-1/2	
8	860220-150	3	ELBOW, 37FL 90M 1 1/4 X 1 1/2"	

Drawing notes

A1	TO OIL COOLER IN
A2	TO OIL COOLER OUT
A3	TO AFTERCOOLER IN
A4	TO AFTERCOOLER OUT
A5	TO FRAME
A6	TO WTROC SUPPORT, LEG

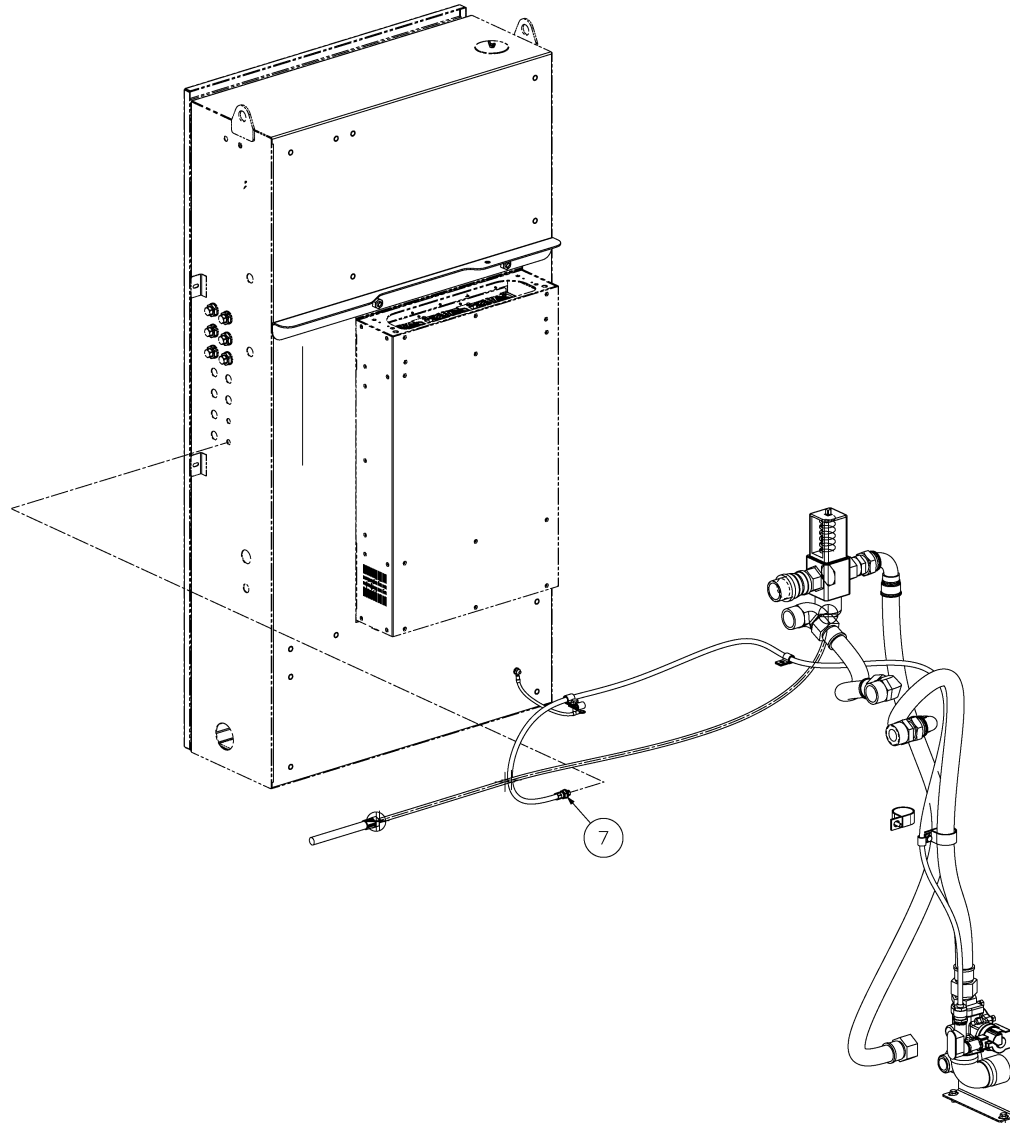
1.10 Water piping, water-cooled (water solenoid valve and water regulating valve)



02250222-805 R03 (sh1)



1.10 Water piping, water-cooled (water solenoid valve and water regulating valve)



02250222-805 R03 (sh2)

1.10 Water piping, water-cooled (water solenoid valve and water regulating valve)

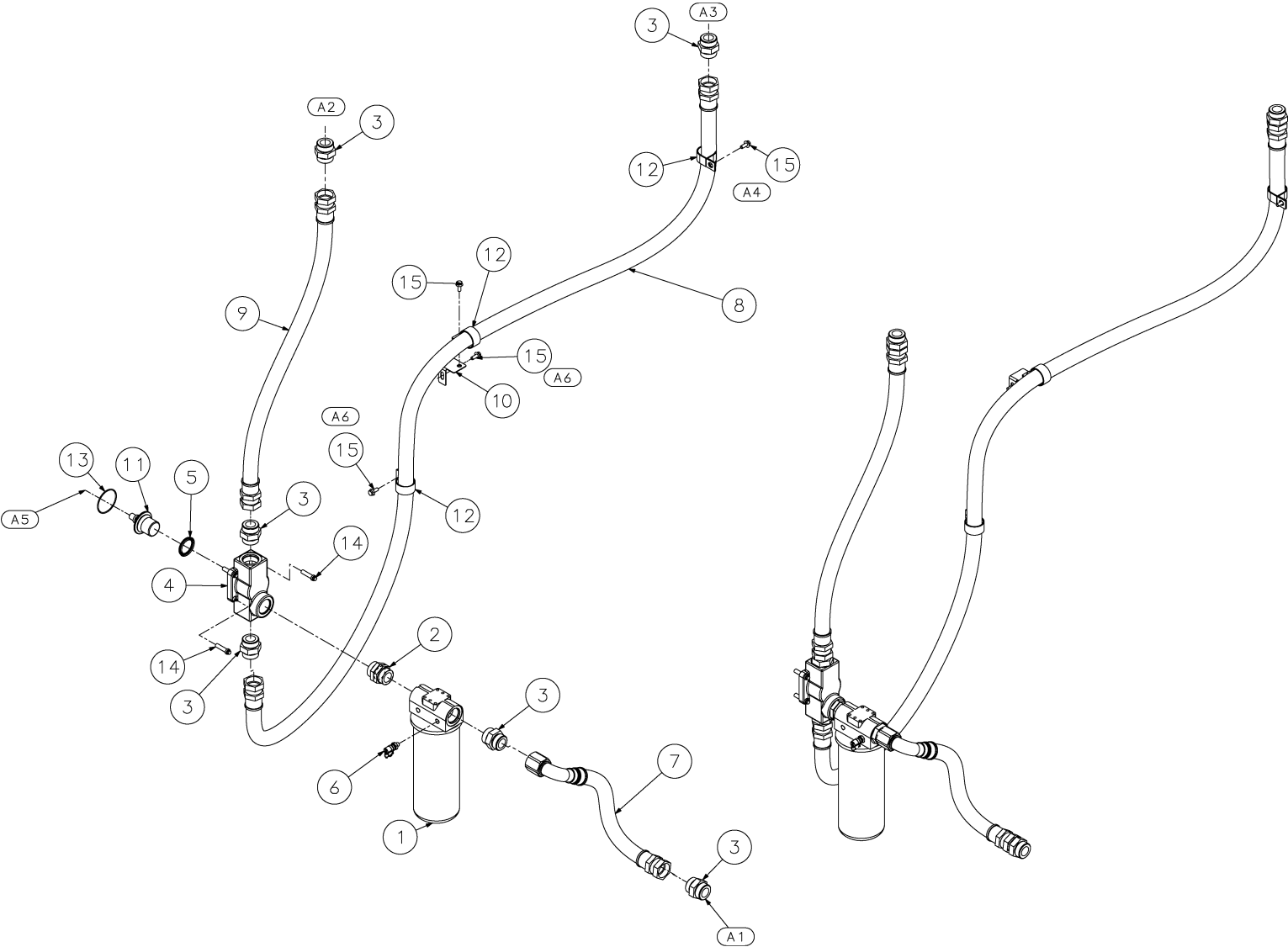
Key	Part number	Qty	Description	Notes
1	02250071-250	1	GRIP, CORD N4 .38-.50 X 1/2"	
2	02250071-362	2	LOCKNUT, COND SEAL N4 1/2"	
3	02250125-653	1	VALVE, SOLENOID 2WNC 1-1/2 150# N4 +	
4	02250143-876	1	CLAMP, HOSE O.D. .375	
5	02250146-545	1	HOSE, HYD PARKRIMP 1-14 X 61	
6	02250157-458	3	CLAMP, HOSE O.D. .500	
7	02250215-692	1	GRIP, CORD CABLE GLAND M 12	
8	02250225-689	1	SUPPORT, BRACKET WTRPP	
9	02250230-495	1	HOSE, HYD PARKRIMP 1-1/4X58" OAL	
10	02250230-496	1	HOSE, HYD PARKRIMP 1-1/4X27" OAL	
11	049474	1	VALVE, WATER REGULATING 1 1/4"	
12	250007-169	1	NIPPLE, CONDUIT 1/2 X 1.5"	
13	408300-008	2	CLAMP, HOSE O.D. 1.750	
14	829705-075	5	SCREW, HX SER WASH 5/16 X 3/4"	
15	847715-050	1	ELBOW, ENTRANCE 1/2"	
16	850603-016	11	WIRE, NEOPRENE #16-3 SO (FT)	
17	860120-125	1	CONNECTOR, 37FL/MPT 1-1/4 X 1-1/4	
18	860120-150	3	CONNECTOR, 37FL/MPT 1-1/4 X 1-1/2	
19	860220-150	2	ELBOW, 37FL 90M 1 1/4 X 1 1/2"	
20	866215-060	1	ELBOW, PIPE 90DG 1 1/2" 150#PLT	
21	866420-000	1	NIPPLE, PIPE XS 1 1/4 X CLOSE	
22	866424-000	3	NIPPLE, PIPE XS 1 1/2 X CLOSE	
23	879412-010	1	COUPLING, RED 1 1/2 X 1 1/4	

Drawing notes

A1	TO OIL COOLER OUT
A2	TO OIL COOLER IN
A3	TO AFTERCOOLER OUT
A4	TO AFTERCOOLER IN
A5	WTROC SUPPORT
A6	WTROC SUPPORT, LEG
A7	TO FRAME

Notes:

1.11 Fluid piping, air-cooled (L, H)



02250228-837 R03

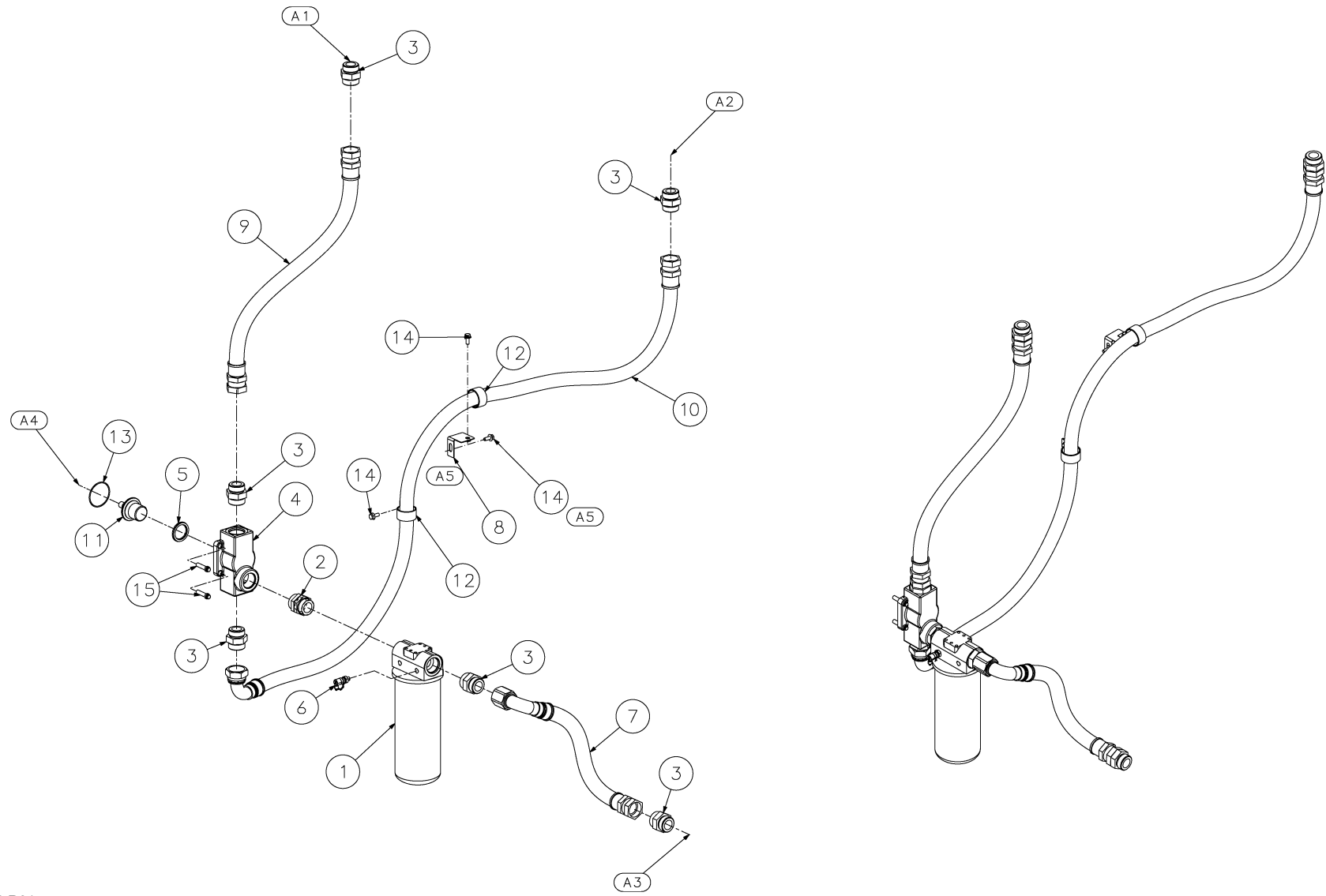
1.11 Fluid piping, air-cooled (L, H)

Key	Part number	Qty	Description	Notes
1	02250054-605	1	FILTER,FL 1 5/8"SAE STR THRD CON	
2	02250055-015	1	ADAPTER,SAE 1 5/8-12 X 1 5/8-12	
3	02250087-068	6	CONNECTOR,SAE X ORFS 1.25"	
4	02250092-929	1	HOUSING,THRM VLV 1-5/8 - 12 CONN	
5	02250101-372	1	SEAL,U-CUP VITON THERM VLV	
6	02250196-306	1	VALVE, KP18NV (1/8" NPTF, VITON)	
7	02250215-796	1	HOSE,MP 7/8ID X 23.5OAL	
8	02250228-719	1	HOSE,MP 1-1/8"ID X 108"OAL	
9	02250228-720	1	HOSE,MP 1-1/8"ID X 36"OAL	
10	02250229-254	1	SUPPORT,BRACKET AC FLPP	
11	049542	1	ELEMENT, THERMAL VALVE 175	
12	408300-008	3	CLAMP, HOSE O.D. 1.750	
13	826502-144	1	O-RING,VITON 2 1/2 X 3/32	
14	828406-150	4	CAPSCREW,FERRY HEAD 3/8-16 X 1 1/2"	
15	829705-075	4	SCREW, HX SER WASH 5/16 X 3/4"	

Drawing notes

A1	TO AIR END
A2	TO COOLER OUT
A3	TO COOLER IN
A4	TO AIROC BOX
A5	TO SEPARATOR TANK
A6	TO AIROC SUPPORT

1.12 Fluid piping, water-cooled (L, H)



02250231-272 R01



1.12 Fluid piping, water-cooled (L, H)

Key	Part number	Qty	Description	Notes
1	02250054-605	1	FILTER,FL 1 5/8"SAE STR THRD CON	
2	02250055-015	1	ADAPTER,SAE 1 5/8-12 X 1 5/8-12	
3	02250087-068	6	CONNECTOR,SAE X ORFS 1.25"	
4	02250092-929	1	HOUSING,THRM VLV 1-5/8 - 12 CONN	
5	02250101-372	1	SEAL,U-CUP VITON THERM VLV	
6	02250196-306	1	VALVE, KP18NV (1/8" NPTF, VITON)	
7	02250215-796	1	HOSE,MP 7/8ID X 23.5OAL	
8	02250229-254	1	SUPPORT,BRACKET AC FLPP	
9	02250229-440	1	HOSE,MP 1-1/8"ID X 32"OAL	
10	02250229-441	1	HOSE,MP 1-1/8"ID X 84"OAL	
11	049542	1	ELEMENT,	
12	408300-008	2	CLAMP, HOSE O.D. 1.750	
13	826502-144	1	O-RING,VITON 2 1/2 X 3/32	
14	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
15	867306-150	4	CAPSCREW,FERRY HEAD 3/8-16 X 1 1/2"	

Drawing notes

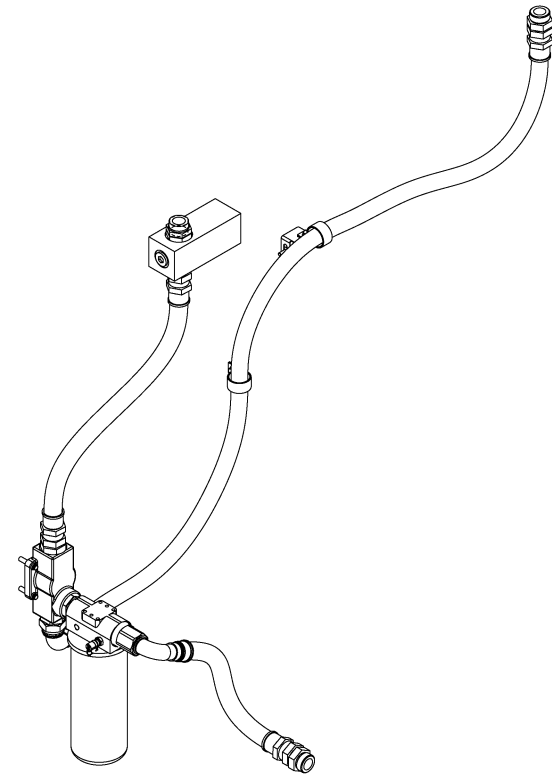
A1	TO OIL COOLER IN
A2	TO OIL COOLER OUT
A3	TO AIR END
A4	TO SEPARATOR TANK
A5	TO WTROC LEG

This exploded view diagram illustrates the assembly of a water pump. The components are numbered as follows:

- 1**: Water pump housing
- 2**: Impeller
- 3**: Various O-rings and seals
- 4**: Impeller nut
- 5**: Impeller lock washer
- 6**: Impeller lock pin
- 7**: Water pump outlet hose
- 8**: Water pump inlet hose
- 9**: Water pump inlet elbow
- 10**: Water pump outlet elbow
- 11**: Water pump inlet hose (longer section)
- 12**: Water pump inlet elbow (shorter section)
- 13**: Water pump inlet hose (shorter section)
- 14**: Water pump inlet elbow (shorter section)
- 15**: Water pump inlet hose (shorter section)
- 16**: Water pump inlet elbow (shorter section)
- 17**: Water pump inlet elbow (shorter section)

Callouts A1 through A5 indicate specific assembly points or features:

- A1**: Impeller lock pin
- A2**: Water pump inlet hose (shorter section)
- A3**: Water pump inlet elbow (shorter section)
- A4**: Water pump inlet elbow (shorter section)
- A5**: Water pump inlet elbow (shorter section)



32

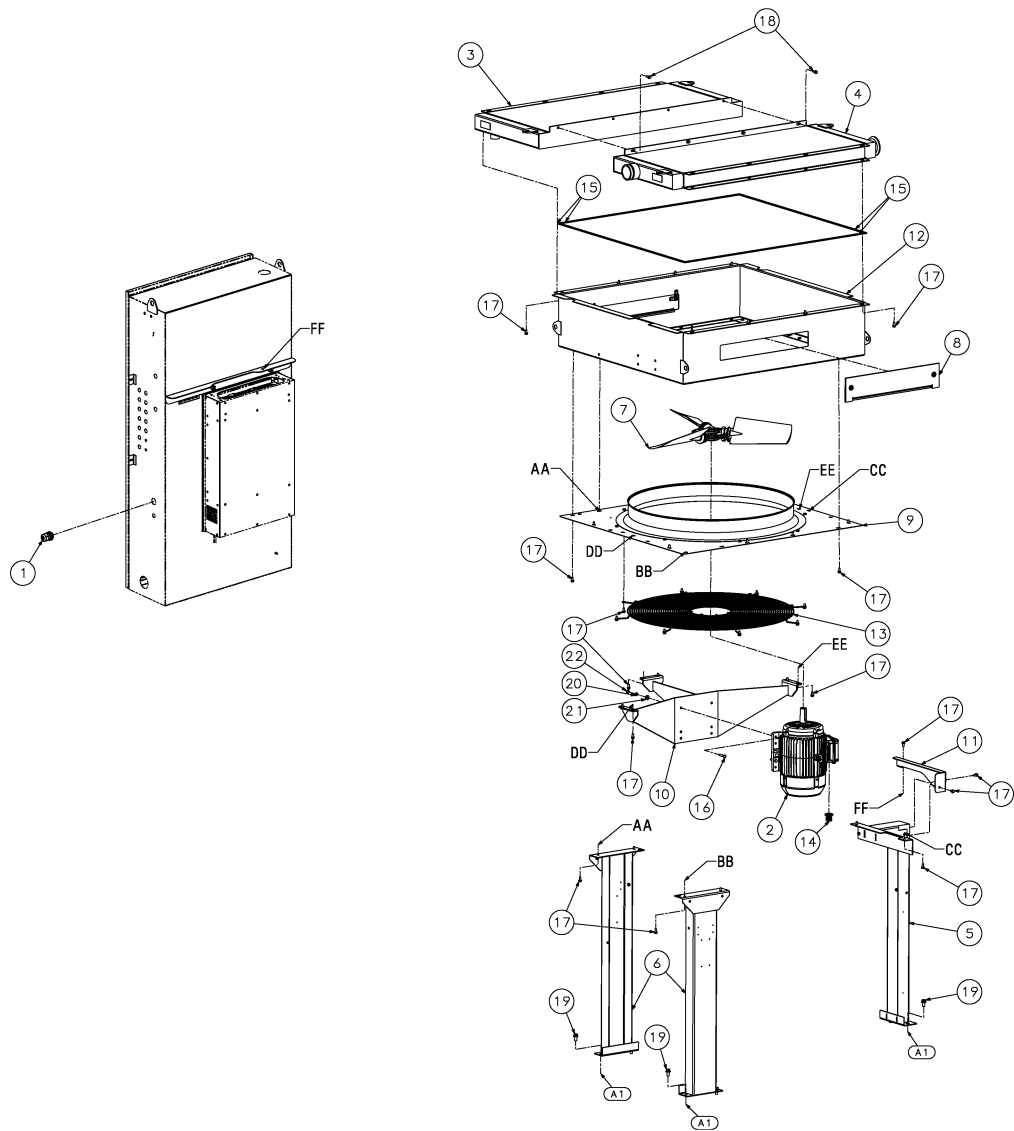
1.13 Fluid piping, water-cooled (L, H with regulating valve)

Key	Part number	Qty	Description	Notes
1	02250054-605	1	FILTER,FL 1 5/8"SAE STR THRD CON	
2	02250055-015	2	ADAPTER,SAE 1 5/8-12 X 1 5/8-12	
3	02250087-068	6	CONNECTOR,SAE X ORFS 1.25"	
4	02250092-929	1	HOUSING,THRM VLV 1-5/8 - 12 CONN	
5	02250101-372	1	SEAL,U-CUP VITON THERM VLV	
6	02250196-306	1	VALVE, KP18NV (1/8" NPTF, VITON)	
7	02250215-796	1	HOSE,MP 7/8ID X 23.5OAL	
8	02250225-817	1	TEE,SAE 1-5/8"/ NPT 1/2"	
9	02250229-254	1	SUPPORT,BRACKET AC FLPP	
10	02250229-440	1	HOSE,MP 1-1/8"ID X 32"OAL	
11	02250229-441	1	HOSE,MP 1-1/8"ID X 84"OAL	
12	049542	1	ELEMENT, THERMAL VALVE 175	
13	408300-008	2	CLAMP, HOSE O.D. 1.750	
14	826502-144	1	O-RING,VITON 2 1/2 X 3/32	
15	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
16	867306-150	4	CAPSCREW,FERRY HEAD 3/8-16 X 1 1/2"	
17	875712-106	1	PLUG,STR THD HOL HX 1 1/16-12	

Drawing notes

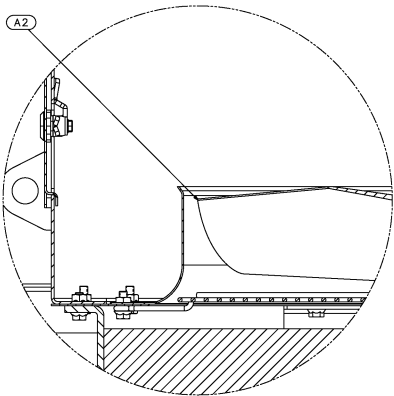
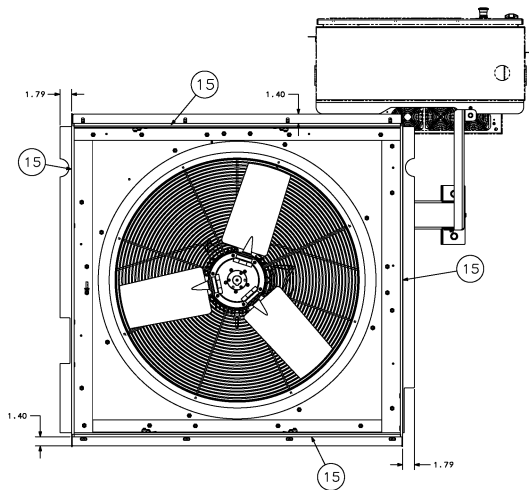
A1	TO OIL COOLER
A2	TO AFTERCOOLER
A3	TO AIR END
A4	TO SEPARATOR TANK
A5	TO WTROC LEG

1.14 Cooling and lubrication system, air-cooled (460V)

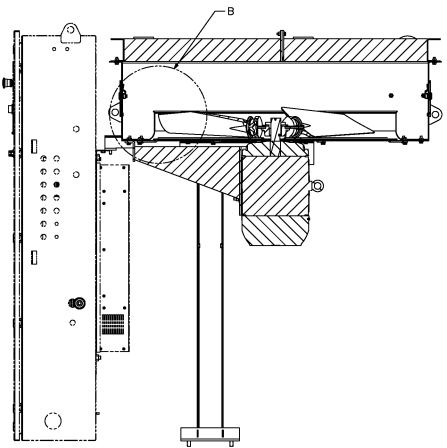
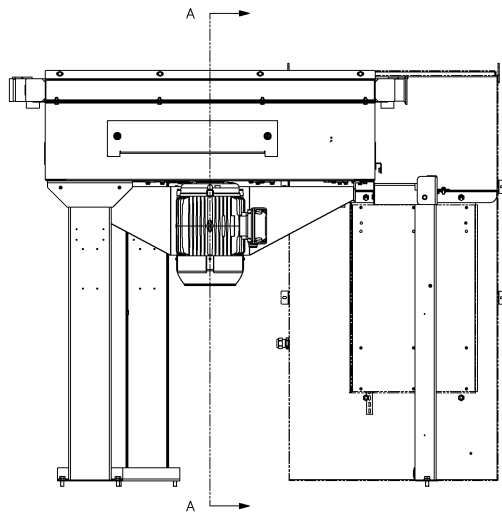


02250225-823 R06 (sh1)

1.14 Cooling and lubrication system, air-cooled (460V)



DETAIL B



SECTION A-A

02250225-823 R06 (sh2)

1.14 Cooling and lubrication system, air-cooled (460V)

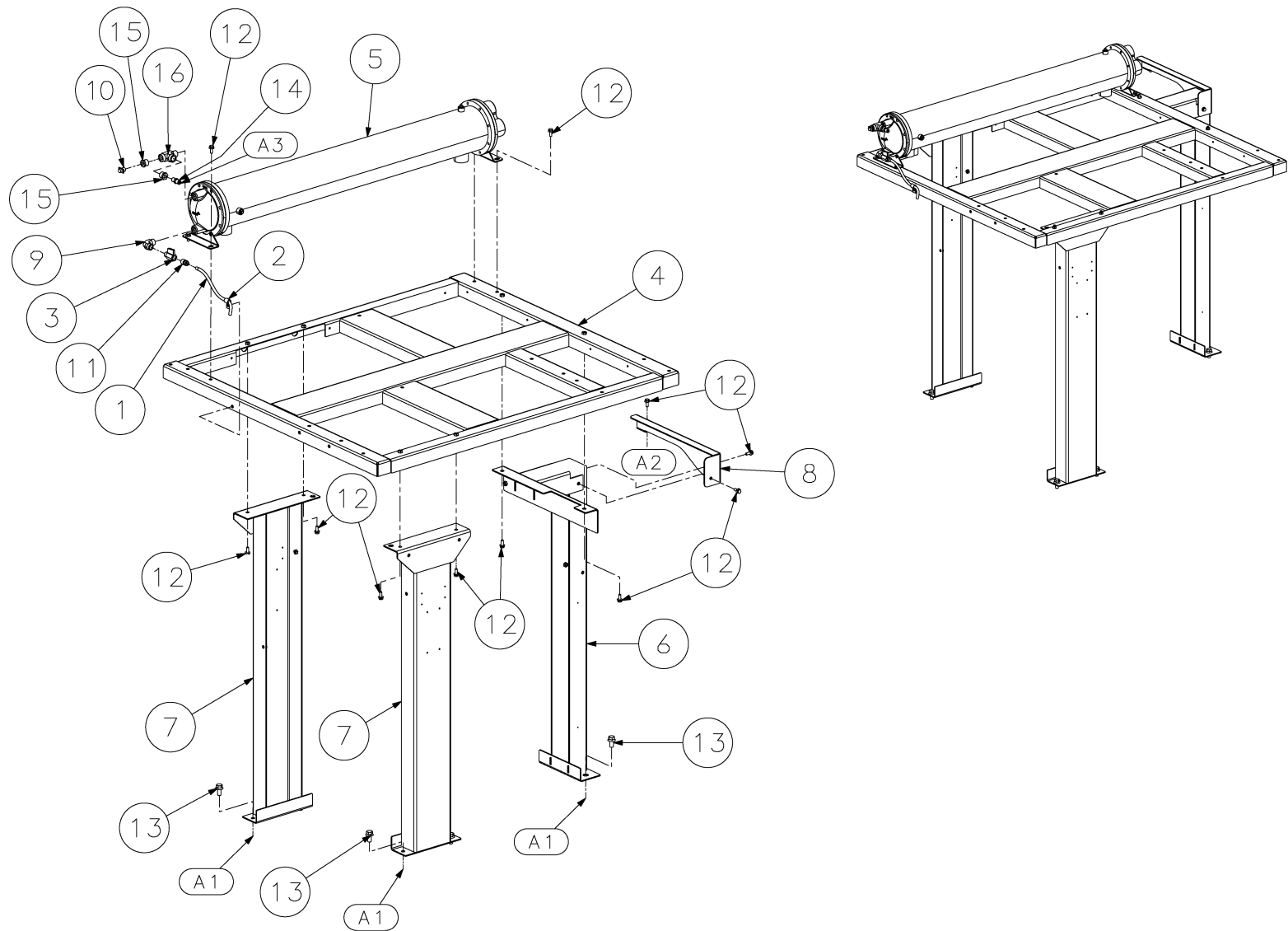
Key	Part number	Qty	Description	Notes
1	02250217-531	1	GRIP,CORD CABLE GLAND M32	
2	02250218-162	1	MOTOR, 3 HORSE POWER 6P 55C 230/460V	
3	02250223-690	1	COOLER,OIL 150HP LS110	
4	02250223-691	1	COOLER,AFTERCOOLER 150HP LS110	
5	02250224-809	1	SUPPORT,BRACKET AFTERCOOLER	
6	02250224-810	2	SUPPORT,BRACKET AFTERCOOLER	
7	02250224-846	1	FAN,AXIAL 36OD	
8	02250225-608	2	COVER,AIROC BOX	
9	02250226-074	1	PANEL,VENTURI	
10	02250226-076	1	SUPPORT,FAN MOTOR	
11	02250228-595	1	SUPPORT,BRACKET 125-150 STARTER	
12	02250228-828	1	BOX,AIROC	
13	248744	1	GUARD, FAN (2 PER PART)	
14	250018-499	1	GRIP, CORD FOR SO 12/4 ST 1"	
15	250022-436	17	WEATHERSTRIP,3/16" X 3/8" (FT)	FEET
16	829106-175	4	CAPSCREW,HX GR5 3/8-16 X 1 3/4	
17	829705-075	41	SCREW, HX SER WASH 5/16 X 3/4"	
18	829705-100	4	SCREW, HX SER WASH 5/16 X 1"	
19	829708-100	6	SCREW, HX SER WASH 1/2 X 1"	
20	837806-094	4	WASHER,SPRLOCK REG PLTD 3/8	
21	838206-071	4	WASHER,PL-B REG PLTD 3/8	
22	866506-337	4	NUT, HEX 3/8-16 PLT	

Drawing notes

A1	TO FRAME
A2	LEADING EDGE OF FAN NOT TO EXTEND PAST FLAT SECTION OF VENTURI

Notes:

1.15 Cooling and lubrication system, water-cooled (460V)

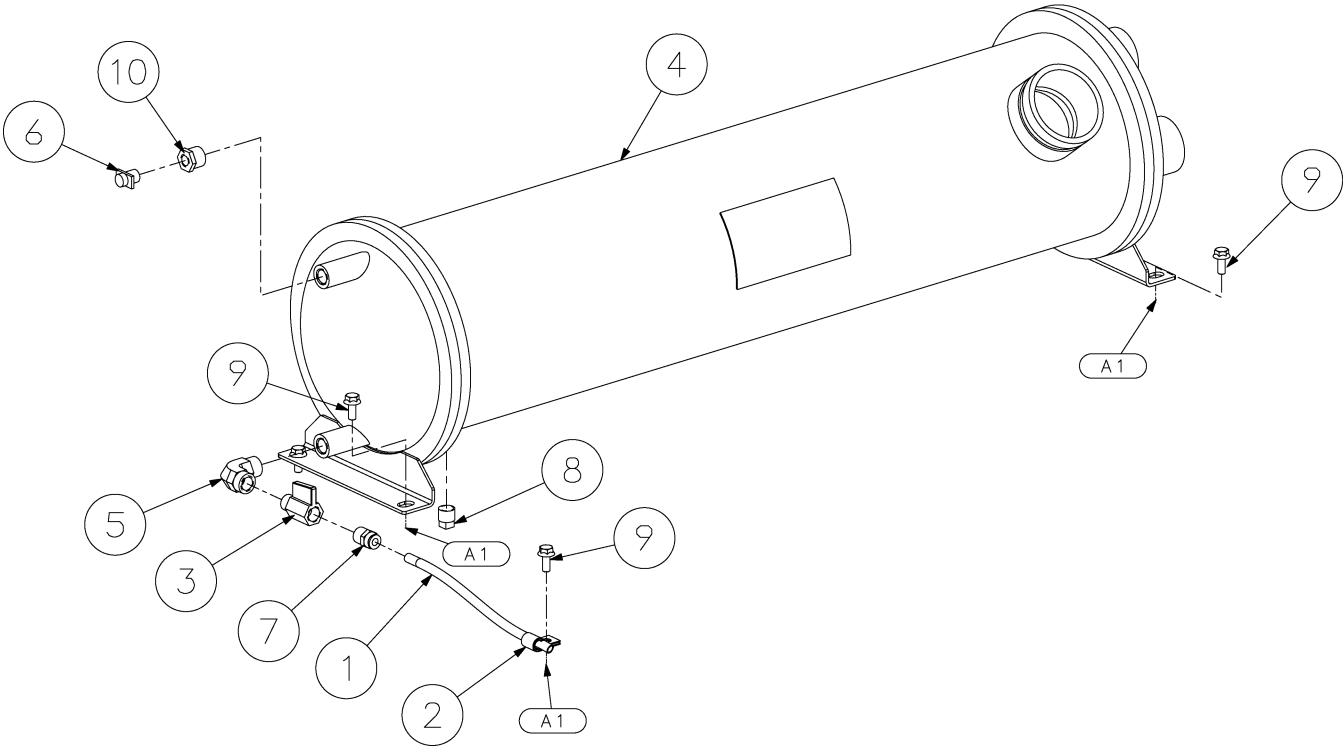
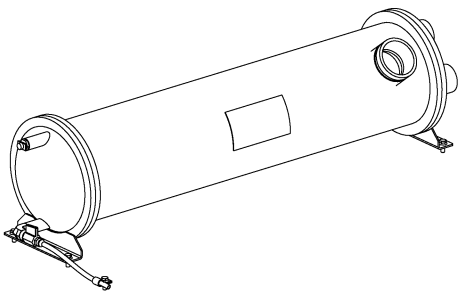


02250222-803 R02

1.15 Cooling and lubrication system, water-cooled (460V)

Key	Part number	Qty	Description	Notes
1	02250099-630	1	TUBE,NYL .375OD X.05W BLK(FT)	
2	02250143-876	1	CLAMP, HOSE O.D. .375	
3	02250146-870	1	VALVE,BALL MINI M X F 3/8"VITON	
4	02250224-705	1	SUPPORT,WTROC 150HP	
5	02250224-711	1	COOLER,OIL W/SAE PORTS LS110	
6	02250224-809	1	SUPPORT,BRACKET AFTERCOOLER	
7	02250224-810	2	SUPPORT,BRACKET AFTERCOOLER	
8	02250228-595	1	SUPPORT,BRACKET 125-150 STARTER	
9	02250230-582	1	ELBOW,PIPE 90M/F 1/2 X 3/8"	
10	040061	1	DRAINLOCK, 1/4"	
11	250025-862	1	CONNECTOR, MALE 3/8TUBE X 3/8	
12	829705-075	13	SCREW, HX SER WASH 5/16 X 3/4"	
13	829708-100	6	SCREW, HX SER WASH 1/2 X 1"	
14	860404-012	1	NIPPLE, PIPE HX 1/4 X 1/8"	
15	867102-010	2	BUSHING,RED 1/2 X 1/4" STL PLT	
16	895508-050	1	TEE,MALE/FEMALE/FEMALE 1/2	
Drawing notes				
A1	TO FRAME			
A2	STARTER CABINET			
A3	PRESSURE SENSOR			

1.16 Aftercooler, water-cooled (standard)



02250222-865 R01



02250231-031 R06
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.16 Aftercooler, water-cooled (standard)

Key	Part number	Qty	Description	Notes
1	02250099-630	1	TUBE,NYL .375OD X.05W BLK(FT)	
2	02250143-876	1	CLAMP, HOSE O.D. .375	
3	02250146-870	1	VALVE,BALL MINI M X F 3/8"VITON	
4	02250226-857	1	COOLER,AFTERCOOLER	
5	02250230-582	1	ELBOW,PIPE 90M/F 1/2 X 3/8"	
6	040061	1	DRAINLOCK, 1/4"	
7	250025-862	1	CONNECTOR, MALE 3/8TUBE X 3/8	
8	807800-015	1	PLUG, PIPE 3/8" 3000# STL	
9	829705-075	5	SCREW, HX SER WASH 5/16 X 3/4"	
10	867102-010	1	BUSHING,RED 1/2 X 1/4" STL PLT	

Drawing notes

A1	TO WTROC SUPPORT
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This exploded view diagram illustrates the assembly of a water treatment system. The components are numbered as follows:

- 1**: Flange or coupling nut, shown at two locations.
- 2**: Flexible hose or tubing.
- 3**: Small cylindrical component, possibly a filter or valve.
- 4**: Mounting bracket or plate.
- 5**: Long horizontal pipe or tube.
- 6**: Elbow or T-junction fitting.
- 7**: Large curved pipe or elbow.
- 8**: Small vertical pipe or tube.
- 9**: Small pin or screw.
- 10**: Rectangular panel or filter housing.
- 11**: Small vertical pipe or tube.
- 12**: Large vertical cylindrical tank or container.

Lettered labels indicate specific assembly points or connections:

- A1**: Points to the connection between component 1 and the horizontal pipe 5.
- A2**: Points to the connection between component 11 and the horizontal pipe 5.
- A3**: Points to the connection between component 3 and the horizontal pipe 5.

The diagram shows the relative positions and alignment of these parts for assembly.



42

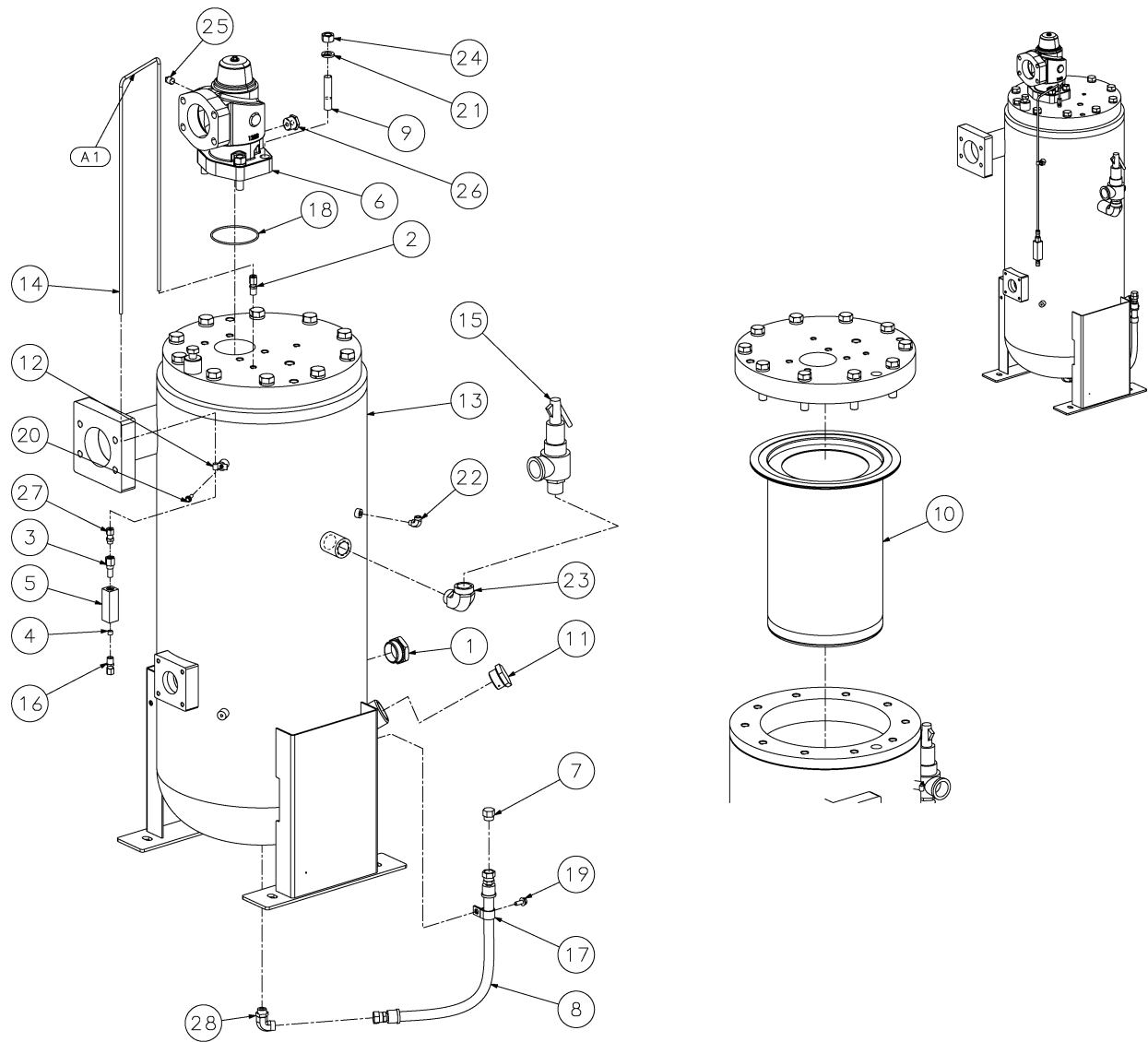
1.17 Sump & piping

Key	Part number	Qty	Description	Notes
1	02250224-539	2	FLANGE,3.5" SAE J518 CODE 61	
2	02250226-008	1	CABLE,GROUND BOND 8"	
3	02250228-381	4	ISOLATOR,VIBRATION 3.12OD X 2.00 1/2-13	
4	02250228-694	4	SCREW,HEX GR5 1/2-13 X 3/4 PLT	
5	02250228-840	1	TUBE,STAINLESS STEEL SCAVENGE LINE	
6	043357	3	CLAMP, SPEED - TUBE 1/4"	
7	1000-7442	1	PIPEASSY,DISCH LS110	
8	834504-075	5	SCREW, SELF DRILL 1/4 X 3/4"	
9	838208-112	4	WASHER, PL-B REG PLTD 1/2"	
10	838405-034	2	WASHER, LOCK EXT TOOTH 5/16"	
11	870804-044	1	ELBOW,TB-M STR THD SS 1/4 X 7/16	
12	1001-6747	1	SUB ASSEMBLY,SEP TANK LS110/LP 160 PSI	
	1000-9566	1	SUB ASSEMBLY,SEP TANK LS110/HP 200 PSI	
	1001-6748	1	SUB ASSEMBLY,SEP TANK LS110/HP CRV 200 PSI	

Drawing notes

A1	TO COMPRESSOR DISCHARGE
A2	TO SCAVENGE OIL RTN
A3	TO FRAME

1.18 Sump tank assembly (8 and 9 bar machines)



1001-6747 R00

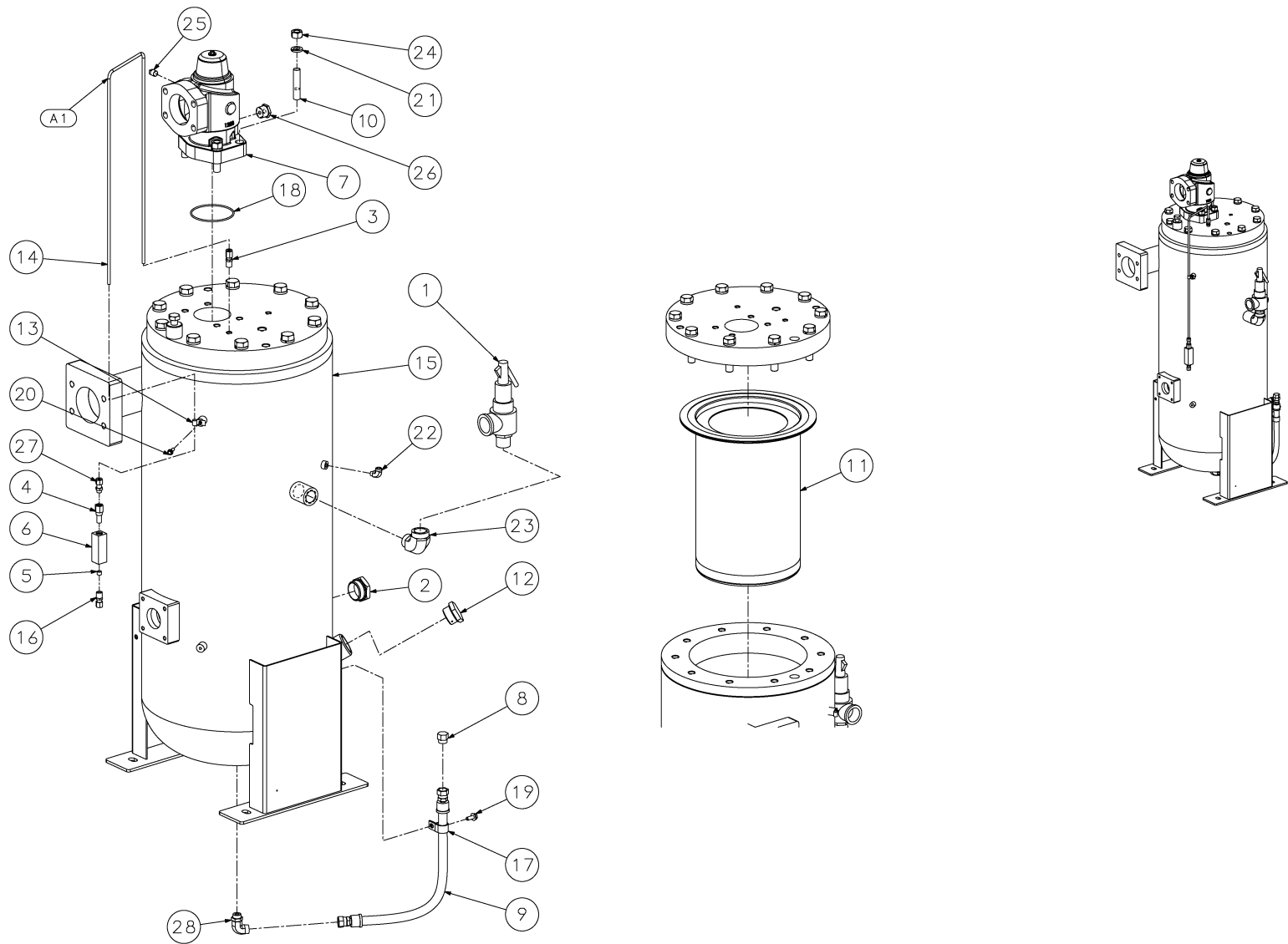
1.18 Sump tank assembly (8 and 9 bar machines)

Key	Part number	Qty	Description	Notes
1	02250097-611	1	PLUG, SIGHT GLASS 1 7/8" SAE	
2	02250108-700	1	CONNECTOR,TUBE OIL RETURN 1/4 X 1/4	
3	02250117-782	1	FILTER ASSEMBLY,GENESIS FILTR	
4	02250125-774	1	ORIFICE,PLUG BRASS 1/8"NPT X1/32"	
5	02250126-129	1	SIGHTGLASS/ORF BLOCK - SAE	
6	02250213-089	1	VALVE,MINIMUM PRESSURE 3" W/CK SAE	
7	02250225-774	1	PLUG,STR THD ORFS 13/16-16 VIT	
8	02250225-900	1	HOSE,MP 13/32ID X 24OAL	
9	02250227-678	4	STUD,THRD 5/8-11 X 3 PLT	
10	02250229-179	1	ELEMENT,SEP LS 110	
11	040029	1	PLUG, O-RING BOSS SAE 1 1/4	
12	043357	1	CLAMP, SPEED - TUBE 1/4"	
13	1000-7102	1	TANK,SEP LS110/LP	
14	1000-8660	1	TUBE,STAINLESS STEEL SCAVENGE LINE	
15	1001-4096	1	VALVE,RELIEF 1" X 1-1/4" 160PSIG	
16	250139-016	1	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
17	408300-004	1	CLAMP, HOSE O.D. .875	
18	826502-241	1	O-RING,VITON 3 7/8 X 1/8"	
19	829705-075	1	SCREW, HX SER WASH 5/16 X 3/4"	
20	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
21	837810-156	4	WASHER, SPRLOCK REG PLTD 5/8"	
22	860702-012	1	ELBOW, PIPE 90M/F 1/8 X 1/8	
23	860716-100	1	ELBOW, PIPE 90M/F 1" X 1"	
24	866510-559	4	NUT,HEX 5/8-11 PLT	
25	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	
26	867103-005	1	BUSHING,RED 3/4 X 1/8" STL PLT	
27	870904-044	1	CONNECTOR,TB-M STR THD SS 1/4 X7/16	
28	888708-075	1	ELBOW,ST THD/ORFS 3/4 X 1/2	

Drawing notes

A1	THE DISTANCE FROM THE TUBE TO THE TOP OF THE RECEIVER LID SHOULD BE 3.5"
----	--

1.19 Sump tank assembly (10 and 12 bar machines)



1000-9566 R00

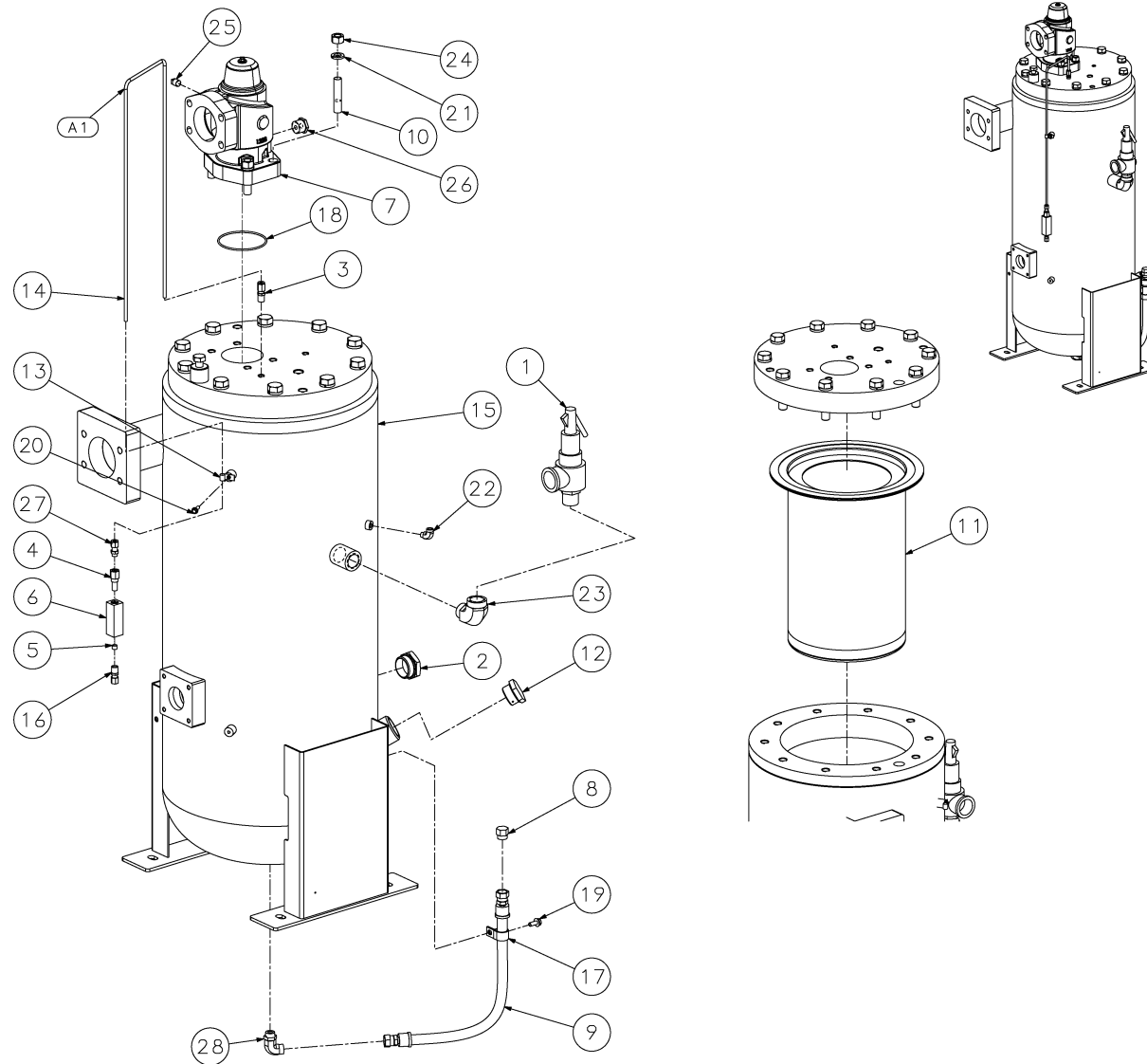
1.19 Sump tank assembly (10 and 12 bar machines)

Key	Part number	Qty	Description	Notes
1	02250047-679	1	VALVE,RELIEF 1" X 1-1/4" 200PSIG	
2	02250097-611	1	PLUG, SIGHT GLASS 1 7/8" SAE	
3	02250108-700	1	CONNECTOR,TUBE OIL RETURN 1/4 X 1/4	
4	02250117-782	1	FILTER ASSEMBLY,GENESIS FILTR	
5	02250125-774	1	ORIFICE,PLUG BRASS 1/8"NPT X1/32"	
6	02250126-129	1	SIGHTGLASS/ORF BLOCK - SAE	
7	02250213-089	1	VALVE,MINIMUM PRESSURE 3" W/CK SAE	
8	02250225-774	1	PLUG,STR THD ORFS 13/16-16 VIT	
9	02250225-900	1	HOSE,MP 13/32ID X 24OAL	
10	02250227-678	4	STUD,THRD 5/8-11 X 3 PLT	
11	02250229-179	1	ELEMENT,SEP LS 110	
12	040029	1	PLUG, O-RING BOSS SAE 1 1/4	
13	043357	1	CLAMP, SPEED - TUBE 1/4"	
14	1000-8660	1	TUBE,STAINLESS STEEL SCAVENGE LINE	
15	1001-0314	1	TANK,SEP LS110/HP	
16	250139-016	1	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
17	408300-004	1	CLAMP, HOSE O.D. .875	
18	826502-241	1	O-RING,VITON 3 7/8 X 1/8"	
19	829705-075	1	SCREW, HX SER WASH 5/16 X 3/4"	
20	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
21	837810-156	4	WASHER, SPRLOCK REG PLTD 5/8"	
22	860702-012	1	ELBOW, PIPE 90M/F 1/8 X 1/8	
23	860716-100	1	ELBOW, PIPE 90M/F 1" X 1"	
24	866510-559	4	NUT,HEX 5/8-11 PLT	
25	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	
26	867103-005	1	BUSHING,RED 3/4 X 1/8" STL PLT	
27	870904-044	1	CONNECTOR,TB-M STR THD SS 1/4 X7/16	
28	888708-075	1	ELBOW,ST THD/ORFS 3/4 X 1/2	

Drawing notes

A1	THE DISTANCE FROM THE TUBE TO THE TOP OF THE RECEIVER LID SHOULD BE 3.5"
----	--

1.20 Sump tank assembly (Certified relief valves – all pressures)



1001-6748 R00

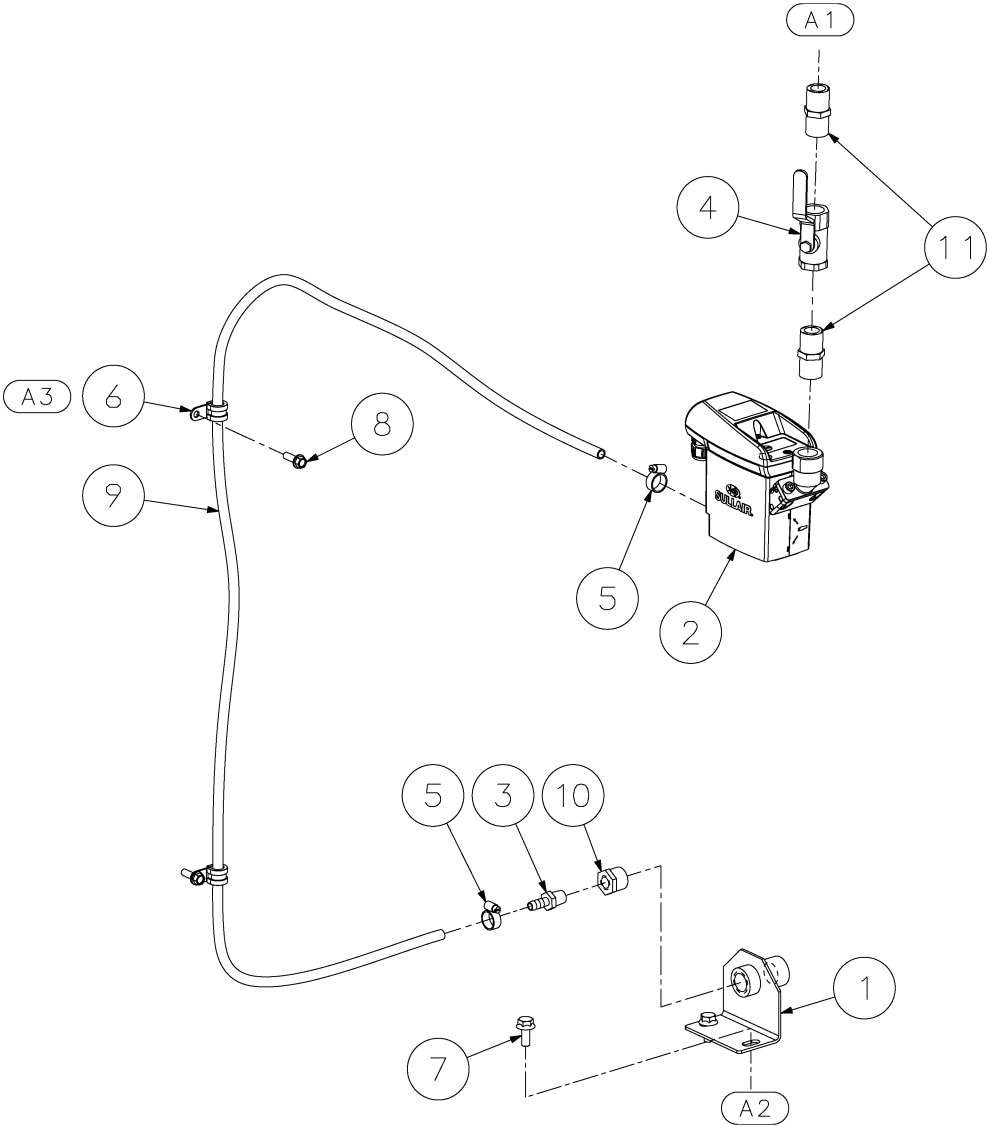
1.20 Sump tank assembly (Certified relief valves – all pressures)

Key	Part number	Qty	Description	Notes
1	02250062-197	1	VALVE,PRESS RLF1" 200# CERT.	
2	02250097-611	1	PLUG,SIGHT GLASS 1 7/8" SAE	
3	02250108-700	1	CONNECTOR,TUBE OIL RETURN 1/4 X 1/4	
4	02250117-782	1	FILTER ASSEMBLY,GENESIS FILTR	
5	02250125-774	1	ORIFICE,PLUG 1/8"NPT 1/32	
6	02250126-129	1	GLASS,SIGHT/ORF BLK-SAE	
7	02250213-089	1	VALVE,MINIMUM PRESSURE 3" W/CK SAE	
8	02250225-774	1	PLUG,STR THD ORFS 13/16-16 VIT	
9	02250225-900	1	HOSE,MP 13/32ID X 24OAL	
10	02250227-678	4	STUD,THRD 5/8-11 X 3 PLT	
11	02250229-179	1	ELEMENT,SEP LS 110	
12	040029	1	PLUG, O-RING BOSS SAE 1 1/4	
13	043357	1	CLAMP, SPEED - TUBE 1/4"	
14	1000-8660	1	TUBE,STAINLESS STEEL SCAVENGE LINE	
15	1001-0314	1	TANK,SEP LS110/HP	
16	250139-016	1	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
17	408300-004	1	CLAMP, HOSE O.D. .875	
18	826502-241	1	O-RING,VITON 3 7/8 X 1/8"	
19	829705-075	1	SCREW, HX SER WASH 5/16 X 3/4"	
20	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
21	837810-156	4	WASHER, SPRLOCK REG PLTD 5/8"	
22	860702-012	1	ELBOW, PIPE 90M/F 1/8 X 1/8	
23	860716-100	1	ELBOW, PIPE 90M/F 1" X 1"	
24	866510-559	4	NUT,HEX 5/8-11 PLT	
25	866900-010	1	PLUG, PIPE 1/4" 3000# STL PLT	
26	867103-005	1	BUSHING,RED 3/4 X 1/8" STL PLT	
27	870904-044	1	CONNECTOR,TB-M STR THD SS 1/4 X7/16	
28	888708-075	1	ELBOW,ST THD/ORFS 3/4 X 1/2	

Drawing notes

A1	THE DISTANCE FROM THE TUBE TO THE TOP OF THE RECEIVER LID SHOULD BE 3.5"
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1.21 Moisture drain



02250224-898 R04

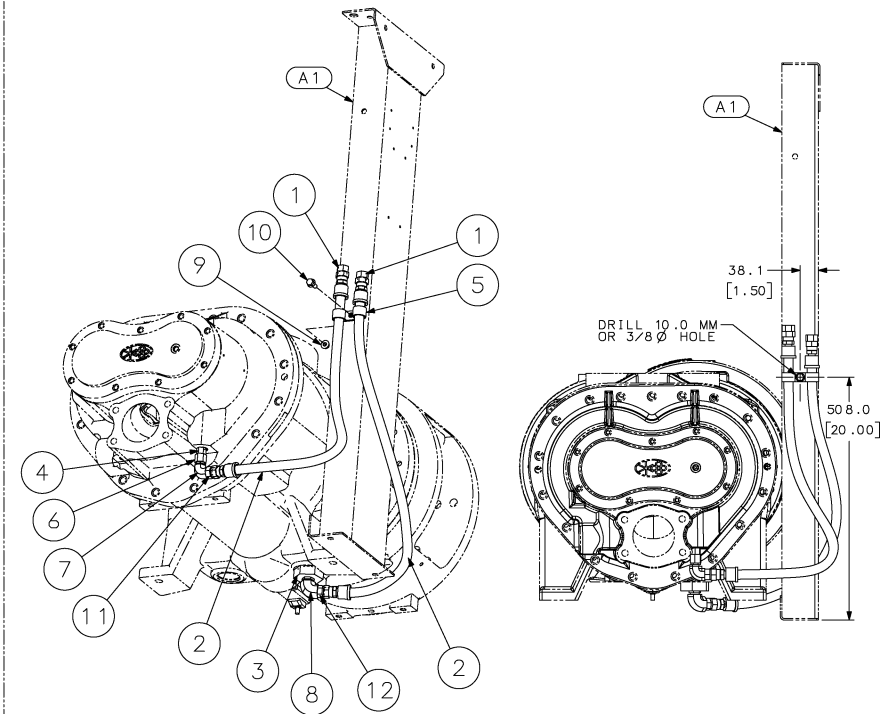
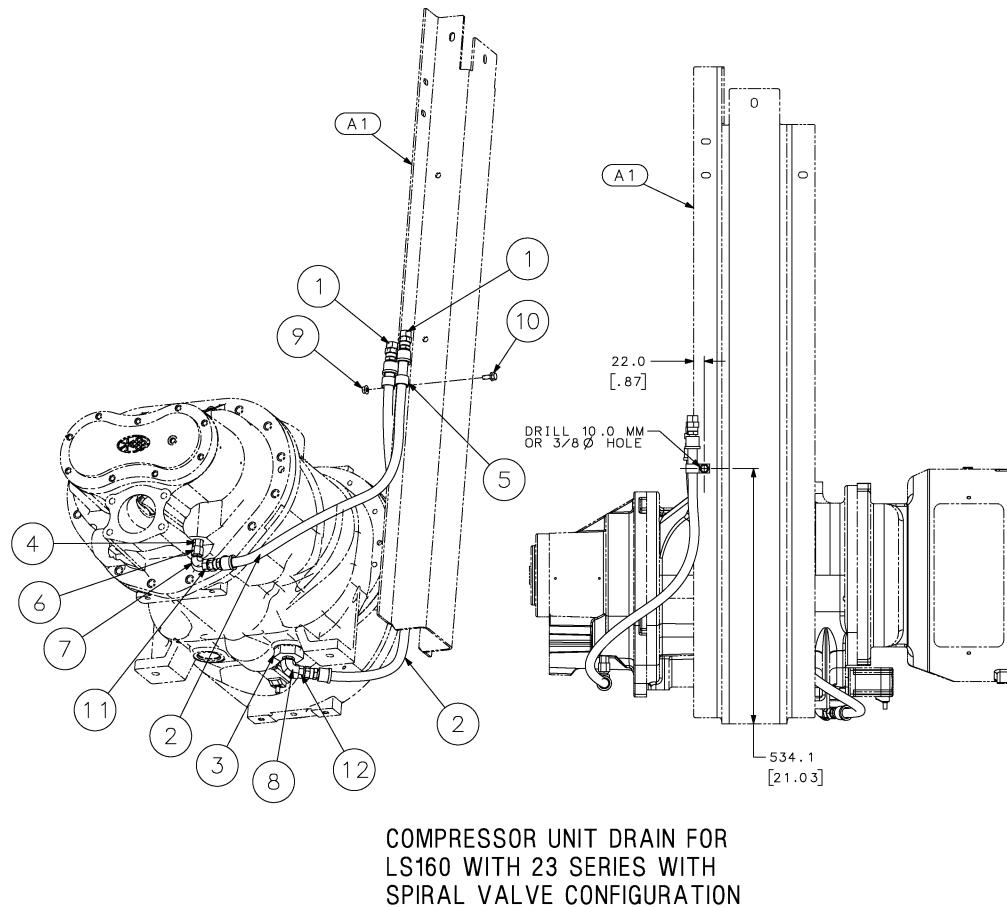
1.21 Moisture drain

Key	Part number	Qty	Description	Notes
1	02250225-371	1	SUPPORT,BRACKET MOISTURE REMOVAL	
2	02250252-887	1	DRAIN,SULLIMAX 32 VARIO 16FT	
3	043258	1	CONNECTOR,HOSE 5/16"	
4	047117	1	VALVE,BALL 1/2 NPT	
5	047235	2	CLAMP, HOSE 3/8"	
6	250025-633	2	CLAMP, TUBE RUBR CTD 1/2" DIA	
7	829705-075	2	SCREW, HX SER WASH 5/16 X 3/4"	
8	834504-075	2	SCREW, SELF DRILL 1/4 X 3/4"	
9	842315-031	5	HOSE, FUEL LINE 5/16" (FT)	
10	867102-010	1	BUSHING,RED 1/2 X 1/4" STL PLT	
11	881308-050	2	NIPPLE,PIPE HX BRASS 1/2 X 1/2	

Drawing notes

A1	TO H2O SEPARATOR
A2	TO FRAME
A3	TO AIROC LEG

1.22 Drain, 23 series with Spiral Valve



1003-4746 R00

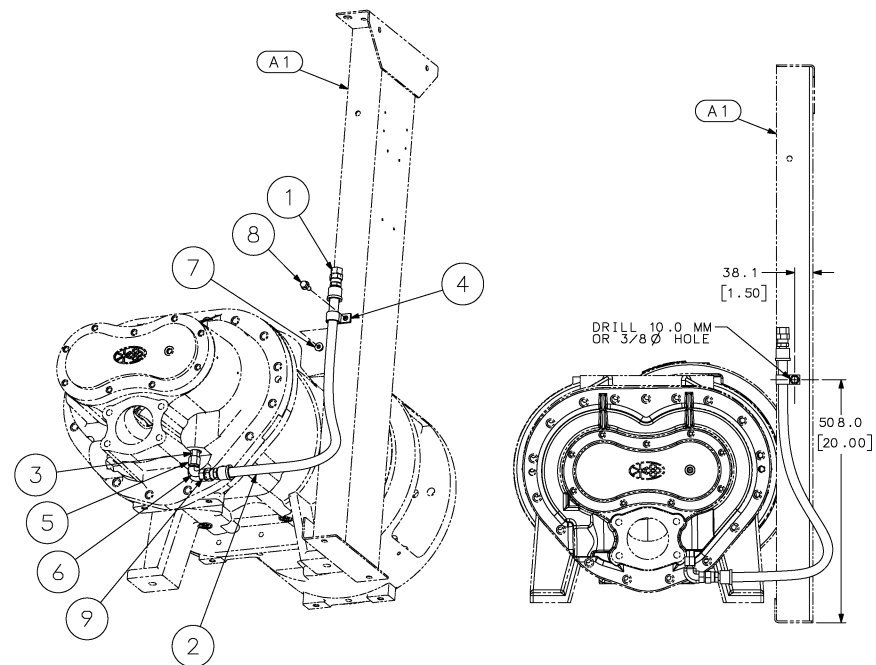
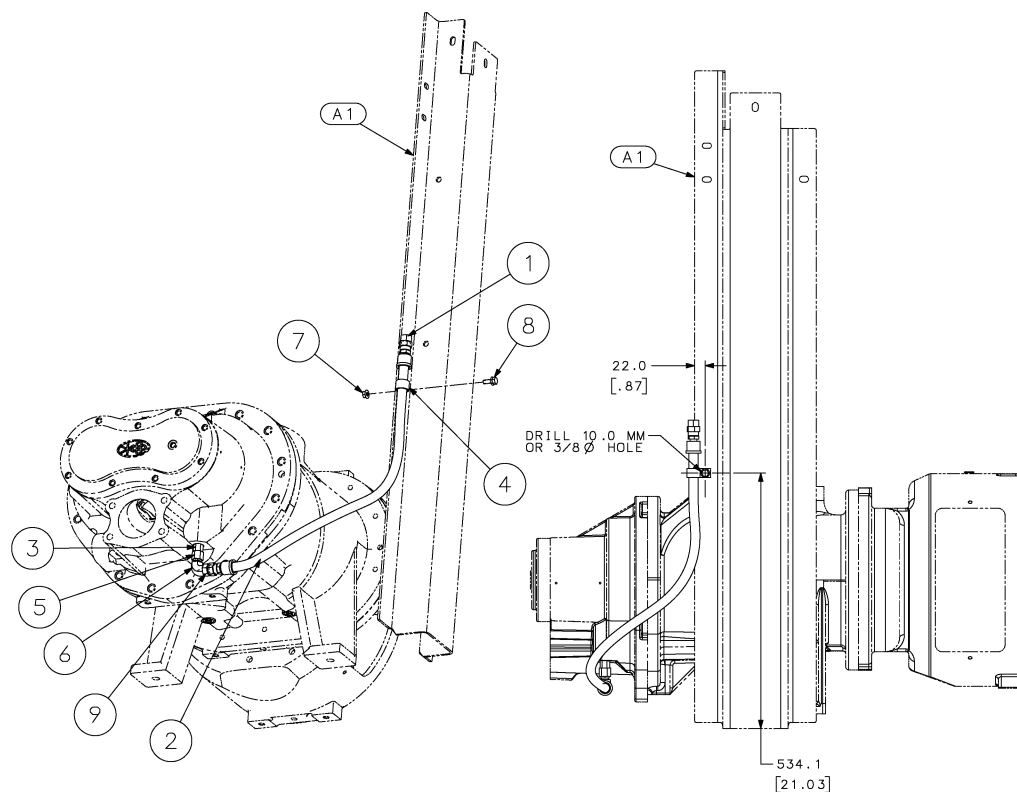
1.22 Drain, 23 series with Spiral Valve

Key	Part number	Qty	Description	Notes
1	02250225-774	2	PLUG,STR THD ORFS 13/16-16 VIT	
2	02250230-734	2	HOSE,MP 13/32ID X 33OAL	
3	1003-3528	1	REDUCER,STR THRD 1 1/2 X 1/2 VITON	
4	1003-3529	1	REDUCER,STR THRD 5/16 X 1/4 VITON	
5	408300-004	2	CLAMP, HOSE O.D. .875	
6	870004-006	1	REDUCER,STR THRD 1/4 X 3/8 VITON	
7	878306-056	1	ELBOW, FEMALE STRTHRD 9/16	
8	878308-075	1	ELBOW, FEMALE STRTHRD 3/4	
9	882508-125	1	NUT, HEX SERR FLNG M8 X 1.25	
10	882608-020	1	SCREW, HEX SER WASHER M8 X 20	
11	884408-056	1	CONNECTOR,STR THD/ORFS 3/4 X 1/2	
12	884408-075	1	CONNECTOR,STR THD/ORFS 7/16 X 1/2	

Drawing notes

A1 REAR COOLER SUPPORT

1.23 Drain, 23 series without Spiral Valve



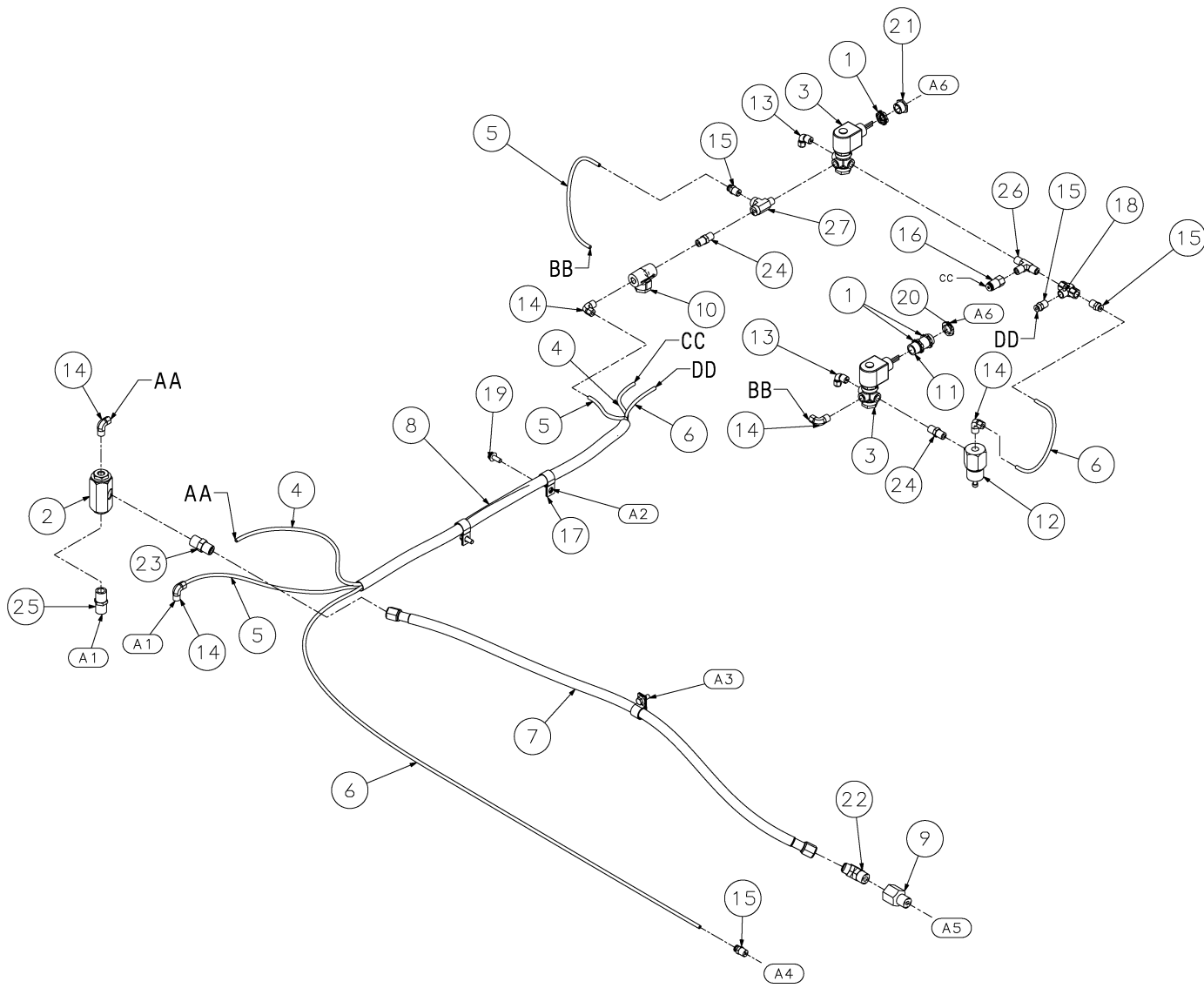
1.23 Drain, 23 series without Spiral Valve

Key	Part number	Qty	Description	Notes
1	02250225-774	1	PLUG,STR THD ORFS 13/16-16 VIT	
2	02250230-734	1	HOSE,MP 13/32ID X 33OAL	
3	1003-3529	1	REDUCER,STR THRD 5/16 X 1/4 VITON	
4	408300-004	1	CLAMP, HOSE O.D. .875	
5	870004-006	1	REDUCER,STR THRD 1/4 X 3/8 VITON	
6	878306-056	1	ELBOW, FEMALE STRTHRD 9/16	
7	882508-125	1	NUT, HEX SERR FLNG M8 X 1.25	
8	882608-020	1	SCREW, HEX SER WASHER M8 X 20	
9	884408-056	1	CONNECTOR,STR THD/ORFS 3/4 X 1/2	

Drawing notes

A1 REAR COOLER SUPPORT

1.24 Pneumatic control, nylon (Wye-delta)



02250224-729 R02

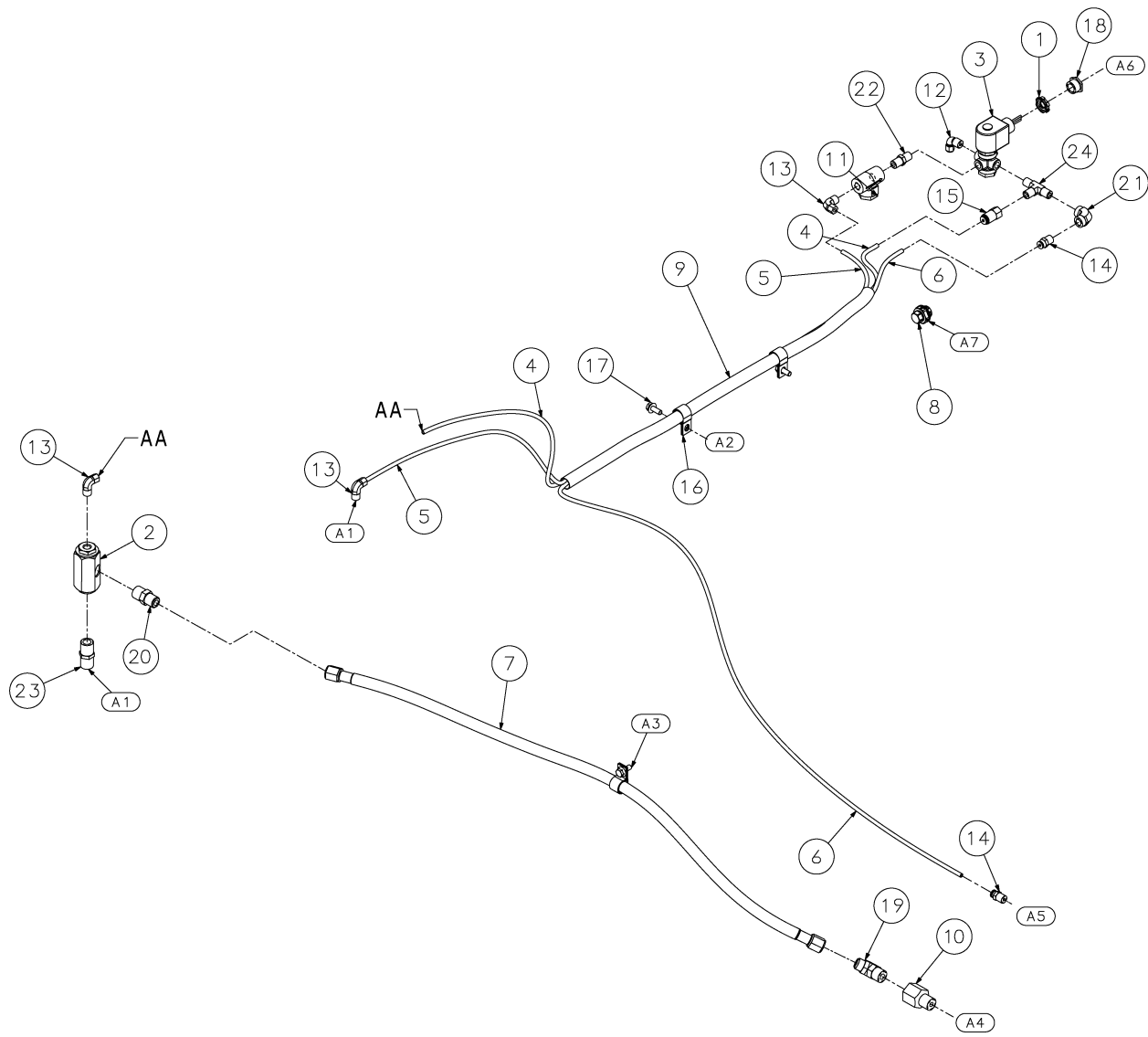
1.24 Pneumatic control, nylon (Wye-delta)

Key	Part number	Qty	Description	Notes
1	02250071-362	3	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	2	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250155-961	5	TUBING,NYLON 1/4"-OD RED	
5	02250155-962	7	TUBING,NYLON 1/4"-OD BLUE	
6	02250155-963	9	TUBING,NYLON 1/4"-OD YELLOW	
7	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
8	02250229-208	3	WRAP,.75ID PRESPLIT BRAIDED	
9	234125-313	1	ORIFICE, 1/2M X 1/2F X .313	
10	241771	1	STRAINER, V-TYPE 300PSIX1/4	
11	250007-170	1	NIPPLE, CONDUIT 1/2 X 2"	
12	250017-280	1	VALVE, PRESSURE REGULATOR	
13	250018-430	2	ELBOW, 1/4" TUBE X 1/4" NPT	
14	250025-850	5	ELBOW, 90DEG M SWVL 1/4 T X 1/4	
15	250025-859	4	CONNECTOR, MALE 1/4 TUBE X 1/4	
16	250025-923	1	CONNECTOR, FEM TUBE 1/4 X 1/4 NPTF	
17	408300-003	3	CLAMP, HOSE O.D. .750	
18	408893	1	VALVE, SHUTTLE 1/4" (DBL CHK)	
19	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
20	847200-050	1	LOCKNUT, CONDUIT 1/2"	
21	847815-050	1	NIPPLE, CHASE COND 1/2"	
22	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
23	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
24	868504-025	2	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	
25	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
26	869825-025	1	TEE,MALE PIPE 1/4" BRASS	
27	895504-025	1	TEE,MALE/FEMALE/FEMALE 1/4	

Drawing notes

A1	TO SEPARATOR TANK
A2	TO AIROC LEG
A3	TO AIROC BOX
A4	TO INLET VLV
A5	TO INLET ELBOW
A6	TO STARTER BOX

1.25 Pneumatic control, nylon (VSD, Spiral Valve)



02250225-385 R03

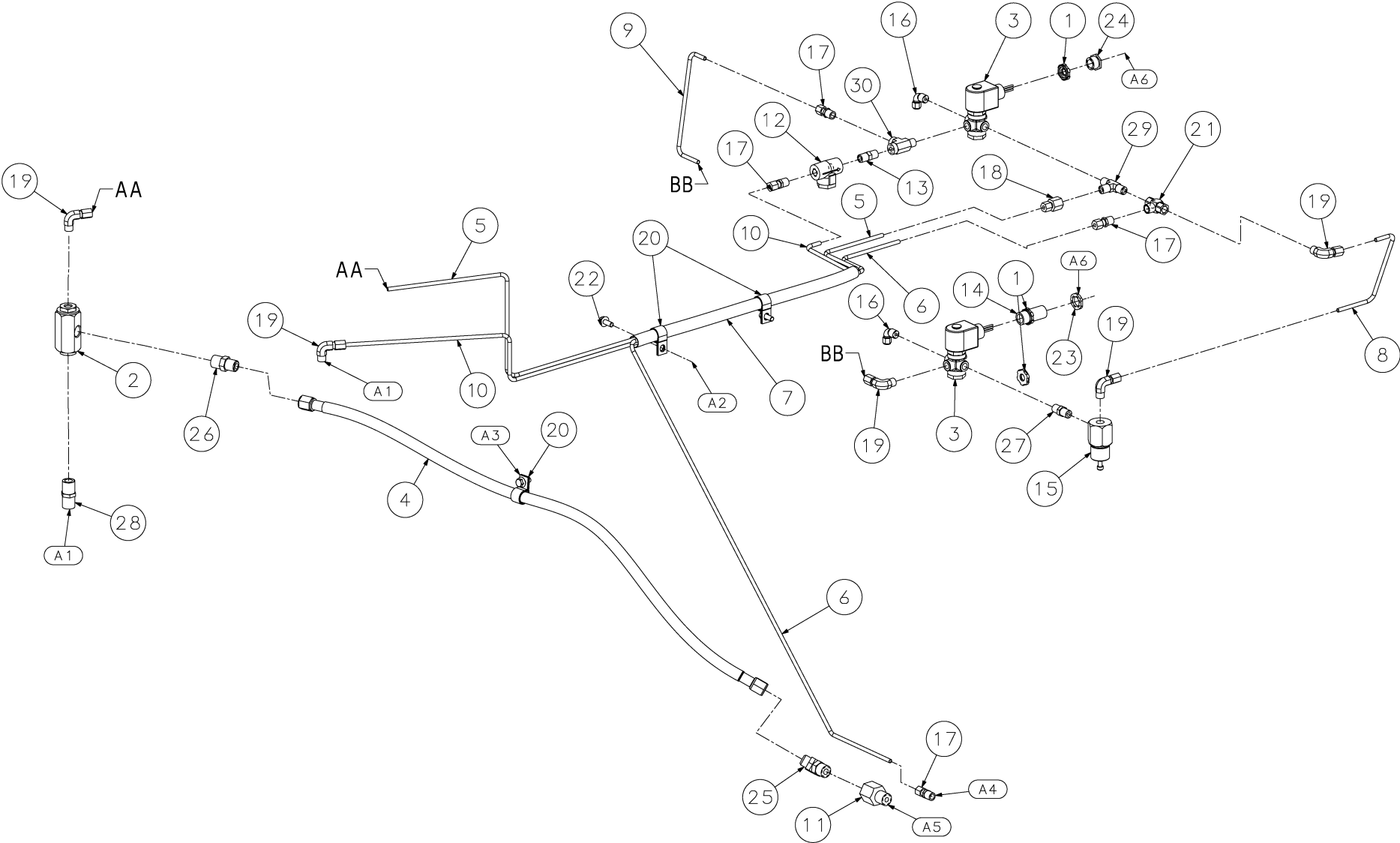
1.25 Pneumatic control, nylon (VSD, Spiral Valve)

Key	Part number	Qty	Description	Notes
1	02250071-362	1	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	1	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250155-961	5	TUBING,NYLON 1/4"-OD RED	
5	02250155-962	5	TUBING,NYLON 1/4"-OD BLUE	
6	02250155-963	7	TUBING,NYLON 1/4"-OD YELLOW	
7	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
8	02250216-341	1	PLUG,CLICK BLK 20MM	
9	02250229-208	3	WRAP,.75ID PRESPLIT BRAIDED	
10	234125-313	1	ORIFICE,1/2M X 1/2F X .313	
11	241771	1	STRAINER, V-TYPE 300PSIX1/4	
12	250018-430	1	ELBOW, 1/4" TUBE X 1/4" NPT	
13	250025-850	3	ELBOW, 90DEG M SWVL 1/4 T X 1/4	
14	250025-859	2	CONNECTOR, MALE 1/4 TUBE X 1/4	
15	250025-923	1	CONNECTOR, FEM TUBE 1/4 X 1/4 NPTF	
16	408300-003	3	CLAMP, HOSE O.D. .750	
17	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
18	847815-050	1	NIPPLE, CHASE COND 1/2"	
19	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
20	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
21	860604-025	1	ELBOW, PIPE 90F 1/4 X 1/4"	
22	868504-025	1	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	
23	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
24	869825-025	1	TEE,MALE PIPE 1/4" BRASS	

Drawing notes

A1	TO SEPARATOR TANK
A2	TO AIROC LEG
A3	TO AIROC BOX
A4	TO INLET VLV
A5	TO INLET ELBOW
A6	TO STARTER BOX
A7	TO OPENING ON STARTER BOX

1.26 Pnuematic control, stainless steel (Wye-delta)



02250222-471 R03



02250231-031 R06
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.26 Pneumatic control, stainless steel (Wye-delta)

Key	Part number	Qty	Description	Notes
1	02250071-362	3	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	2	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
5	02250229-124	1	TUBE,STAINLESS STEEL 1/4" OD BD PILOT	
6	02250229-125	1	TUBE,STAINLESS STEEL 1/4" OD CTRL 2	
7	02250229-208	2	WRAP,.75ID PRESPLIT BRAIDED	
8	02250229-315	1	TUBE,STAINLESS STEEL 1/4" OD CTRL 1	
9	02250229-316	1	TUBE,STAINLESS STEEL 1/4" OD SEQ SUPPLY	
10	02250229-376	1	TUBE,STAINLESS STEEL 1/4" OD SUPPLY VCC	
11	234125-313	1	ORIFICE, 1/2M X 1/2F X .313	
12	241771	1	STRAINER, V-TYPE 300PSIX1/4	
13	249537	1	NIPPLE, BRASS HEX 1/4"-NPT	
14	250007-170	1	NIPPLE, CONDUIT 1/2 X 2"	
15	250017-280	1	VALVE, PRESSURE REGULATOR	
16	250018-430	2	ELBOW, 1/4" TUBE X 1/4" NPT	
17	250139-016	4	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
18	250139-044	1	CONNECTOR, TUBE-F 1/4" SWGLK SS	
19	250211-005	5	ELBOW,TUBE-M 1/4" SWGLK 316SS	
20	408300-003	3	CLAMP, HOSE O.D. .750	
21	408893	1	VALVE, SHUTTLE 1/4" (DBL CHK)	
22	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
23	847200-050	1	LOCKNUT, CONDUIT 1/2"	
24	847815-050	1	NIPPLE, CHASE COND 1/2"	
25	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
26	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
27	868504-025	1	NIPPLE,PIPE HEX 1/4 X 1/4" PLT	
28	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
29	869825-025	1	TEE,MALE PIPE 1/4" BRASS	
30	895504-025	1	TEE,MALE/FEMALE/FEMALE 1/4	

Drawing notes

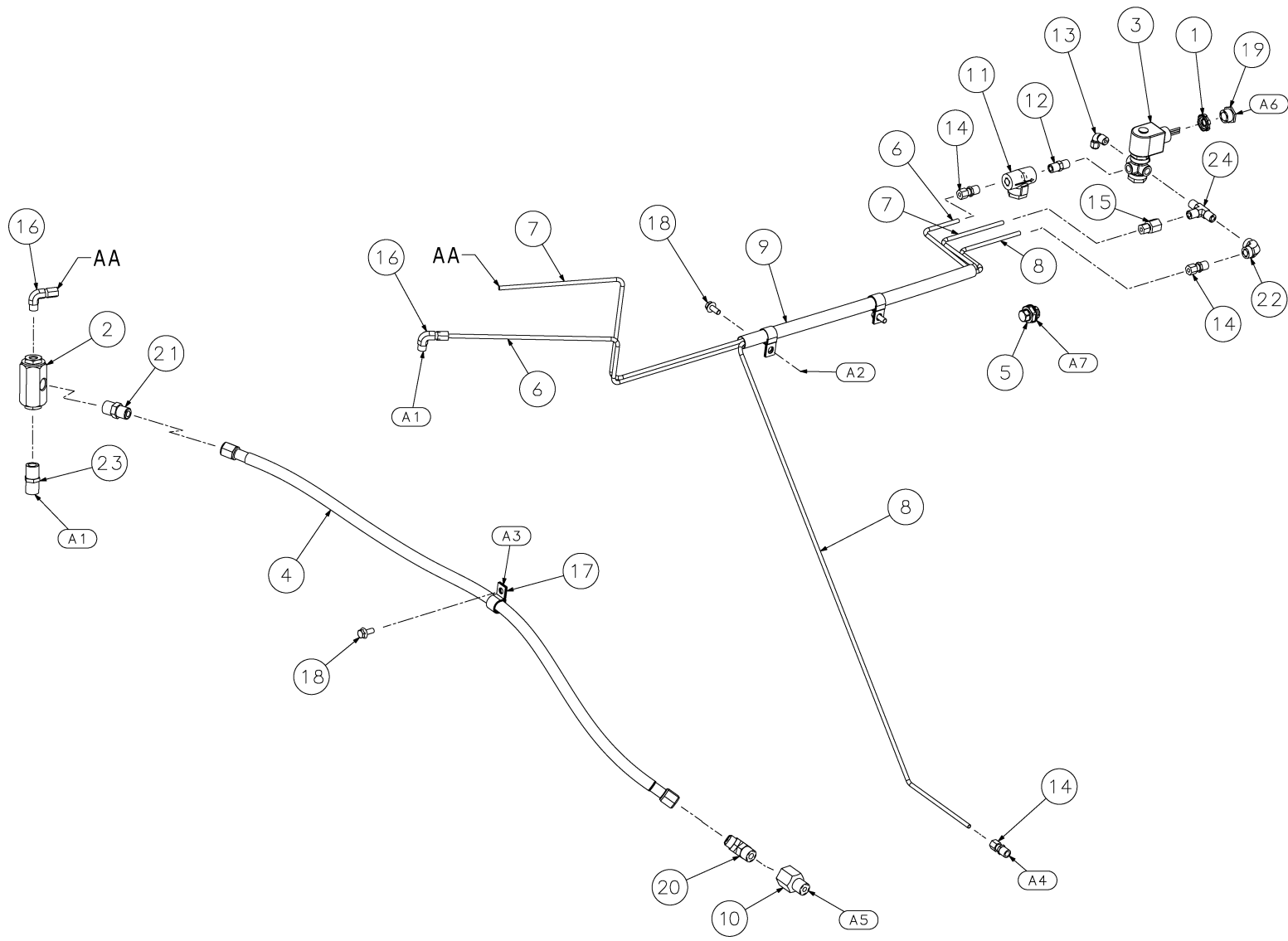
A1	TO SEPARATOR TANK
A2	TO AIROC LEG
A3	TO AIROC BOX
A4	TO INLET VLV

1.26 Pnuematic control, stainless steel (Wye-delta)

Key	Part number	Qty	Description	Notes
A5	TO ELBOW			
A6	TO STARTER BOX			

Notes:

1.27 Pneumatic control, stainless steel (VSD, Spiral Valve)



02250225-386 R02



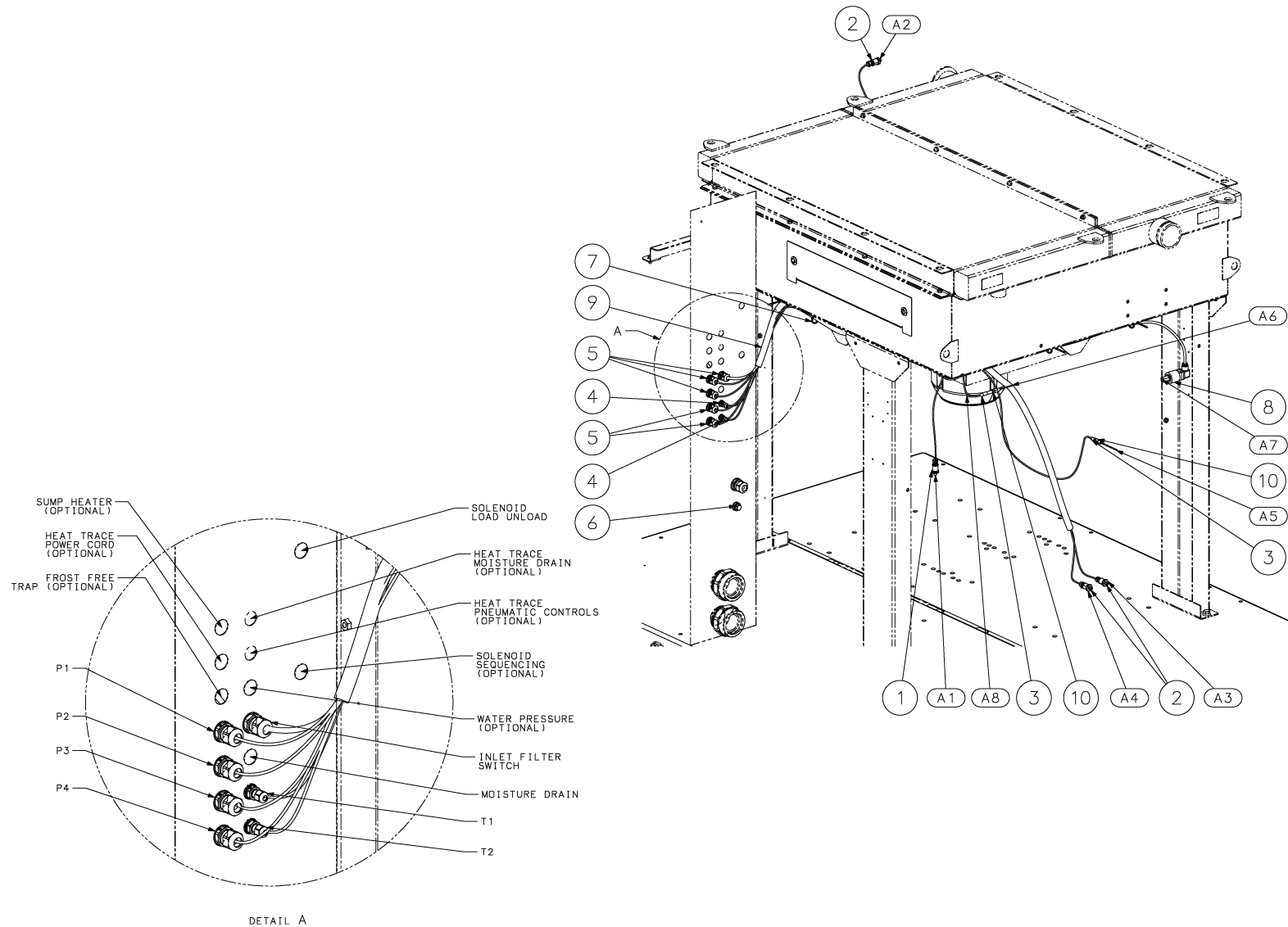
1.27 Pneumatic control, stainless steel (VSD, Spiral Valve)

Key	Part number	Qty	Description	Notes
1	02250071-362	1	LOCKNUT,COND SEAL N4 1/2"	
2	02250100-042	1	VALVE,1/2 BLDWN 1.8:1 250 PSIG	
3	02250125-657	1	VALVE,SOLENOID 3WN0 1/4 235# N4 +	
4	02250200-791	1	HOSE,MP 13/32"ID X 42 OAL	
5	02250216-341	1	PLUG,CLICK BLK 20MM	
6	02250229-121	1	TUBE,STAINLESS STEEL 1/4" OD SUPPLY VCC	
7	02250229-124	1	TUBE,STAINLESS STEEL 1/4" OD BD PILOT	
8	02250229-125	1	TUBE,STAINLESS STEEL 1/4" OD CTRL 2	
9	02250229-208	2	WRAP,.75ID PRESPLIT BRAIDED	
10	234125-313	1	ORIFICE,1/2M X 1/2F X .313	
11	241771	1	STRAINER,V - TYPE 250# X 1/4"	
12	249537	1	NIPPLE, BRASS HEX-1/4"	
13	250018-430	1	ELBOW, 1/4" TUBE X 1/4" NPT	
14	250139-016	3	CONNECTOR,TUBE-M 1/4" SWGLK 316SS	
15	250139-044	1	CONNECTOR, TUBE-F 1/4" SWGLK SS	
16	250211-005	2	ELBOW,TUBE-M 1/4" SWGLK 316SS	
17	408300-003	3	CLAMP, HOSE O.D. .750	
18	829705-075	3	SCREW, HX SER WASH 5/16 X 3/4"	
19	847815-050	1	NIPPLE, CHASE COND 1/2"	
20	860008-050	1	ELBOW, 37FL 45M 1/2 X 1/2"	
21	860108-050	1	CONNECTOR, 37FL/MPT 1/2 X 1/2"	
22	860604-025	1	ELBOW, PIPE 90F 1/4 X 1/4"	
23	868508-050	1	NIPPLE,PIPE HEX 1/2 X 1/2" PLT	
24	869825-025	1	TEE,MALE PIPE 1/4" BRASS	

Drawing notes

A1	TO SEPARATOR TANK
A2	TO AIROC LEG
A3	TO AIROC BOX
A4	TO INLET VLV
A5	TO ELBOW
A6	TO STARTER BOX
A7	TO OPENING ON STARTER BOX

1.28 Electrical control assembly (Wye-delta, VSD)



02250221-929 R07

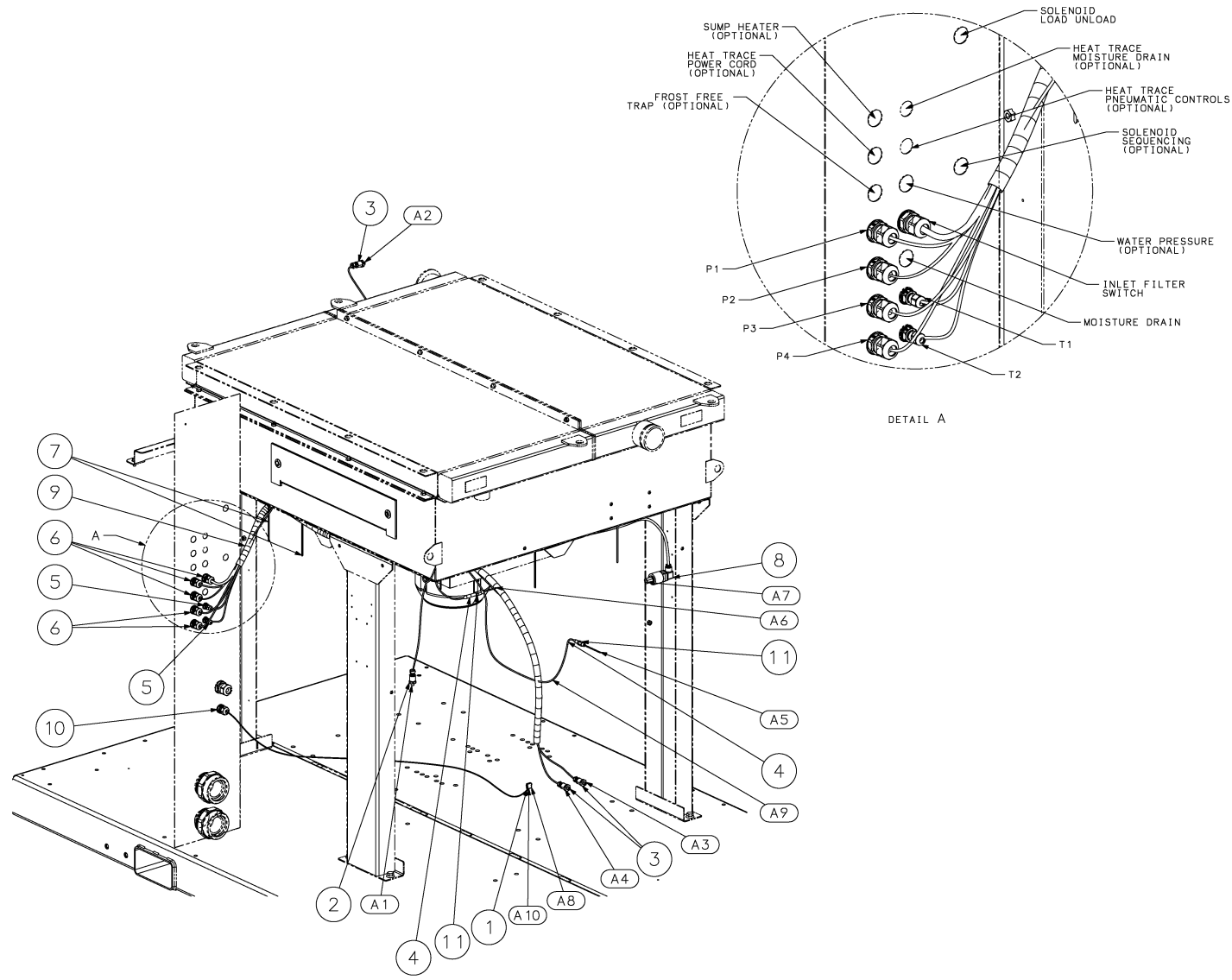
1.28 Electrical control assembly (Wye-delta, VSD)

Key	Part number	Qty	Description	Notes
1	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
2	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
3	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
4	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
5	02250215-693	5	GRIP,CORD CABLE GLAND M 20	
6	02250216-341	1	PLUG,CLICK BLK 20MM	
7	02250221-086	9	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250229-208	6	WRAP,.75ID PRESPLIT BRAIDED	FEET
10	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEP
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MINIMUM PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE

1.29 Electrical control assembly (Spiral Valve)



02250226-713 R07



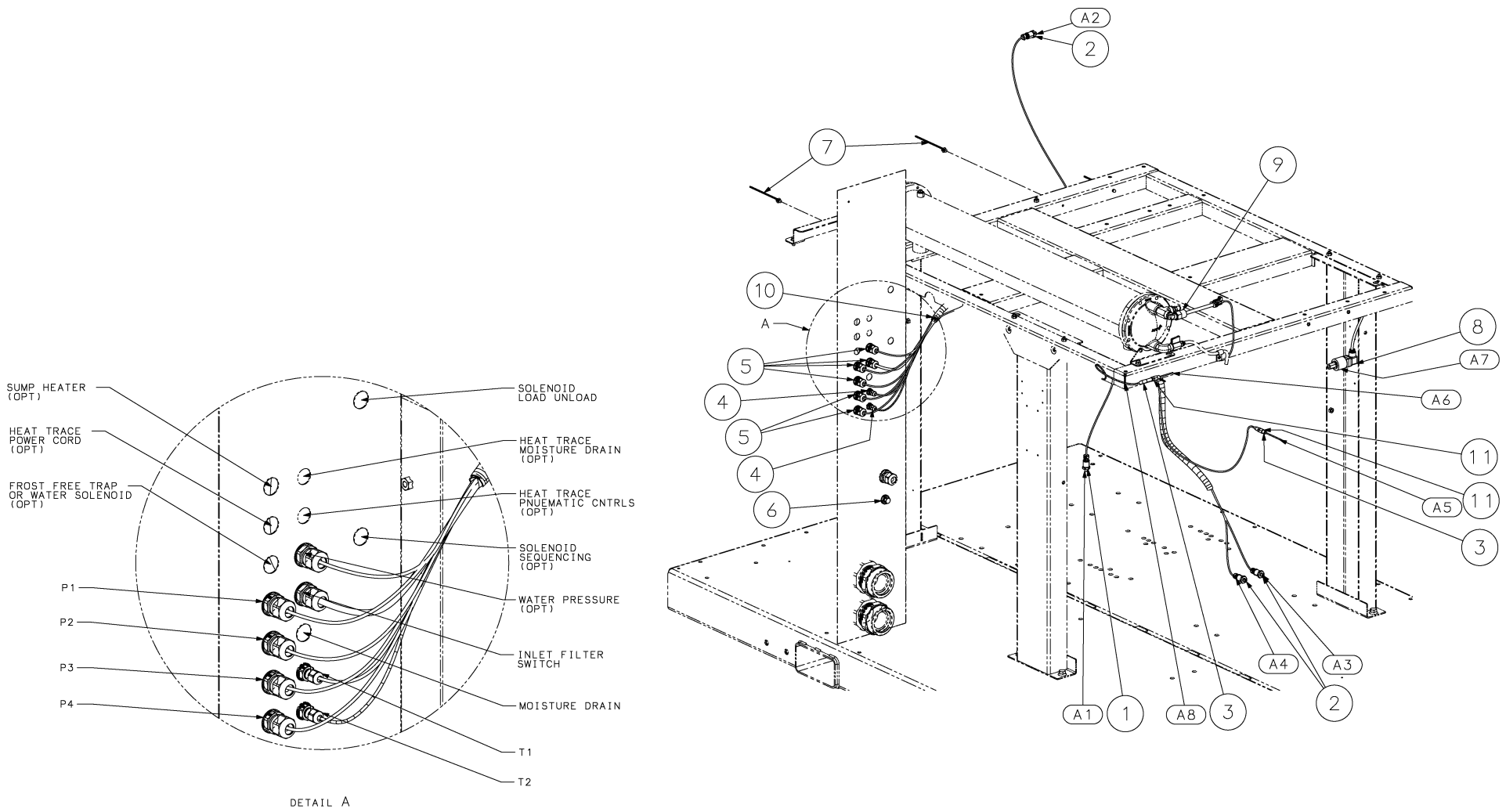
1.29 Electrical control assembly (Spiral Valve)

Key	Part number	Qty	Description	Notes
1	02250120-820	1	TUBING,HT SHRNK .375-.75" BLK FT	
2	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
3	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
4	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
5	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
6	02250215-693	5	GRIP,CORD CABLE GLAND M 20	
7	02250221-086	9	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250229-208	6	WRAP,.75ID PRESPLIT BRAIDED	FEET
10	02250229-273	1	HARNESS,STEP MTR ARD 9 COND	
11	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEPARATOR
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MINIMUM PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	POWER TO SPIRAL VALVE STEPPER MOTOR
A9	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE
A10	HEAT SHRINK SHALL COVER THE CONNECTOR

1.30 Electrical control assembly, water-cooled (Wye-delta, VSD)



02250225-729 R03



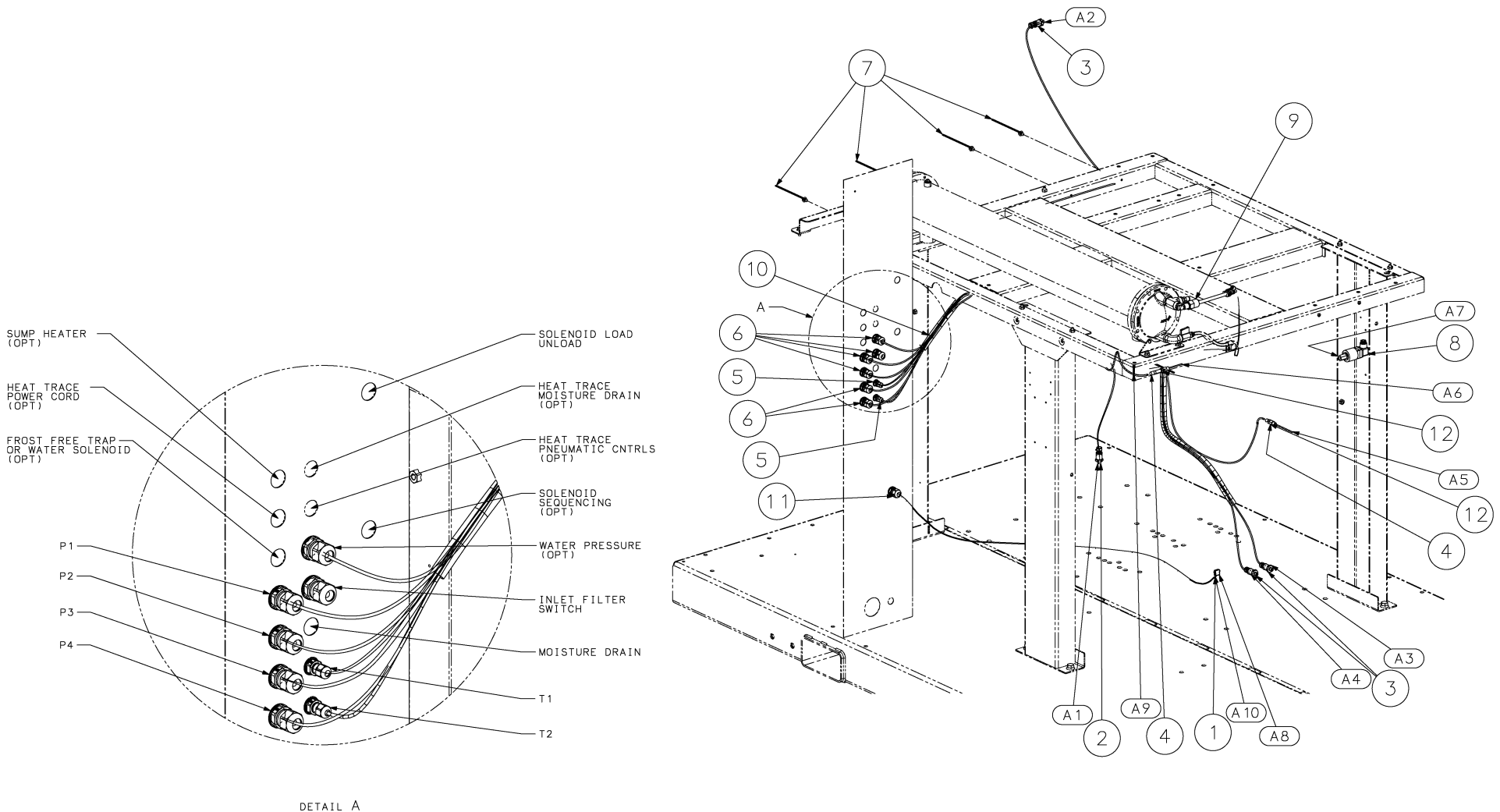
1.30 Electrical control assembly, water-cooled (Wye-delta, VSD)

Key	Part number	Qty	Description	Notes
1	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
2	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
3	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
4	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
5	02250215-693	6	GRIP,CORD CABLE GLAND M 20	
6	02250216-341	1	PLUG,CLICK BLK 20MM	
7	02250221-086	11	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250227-008	1	SWITCH,PRESS NO 10 PSI	
10	02250229-208	1	WRAP,.75ID PRESPLIT BRAIDED	
11	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEP
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MIN. PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE

1.31 Electrical control assembly, water-cooled (Spiral Valve)



02250227-011 R06



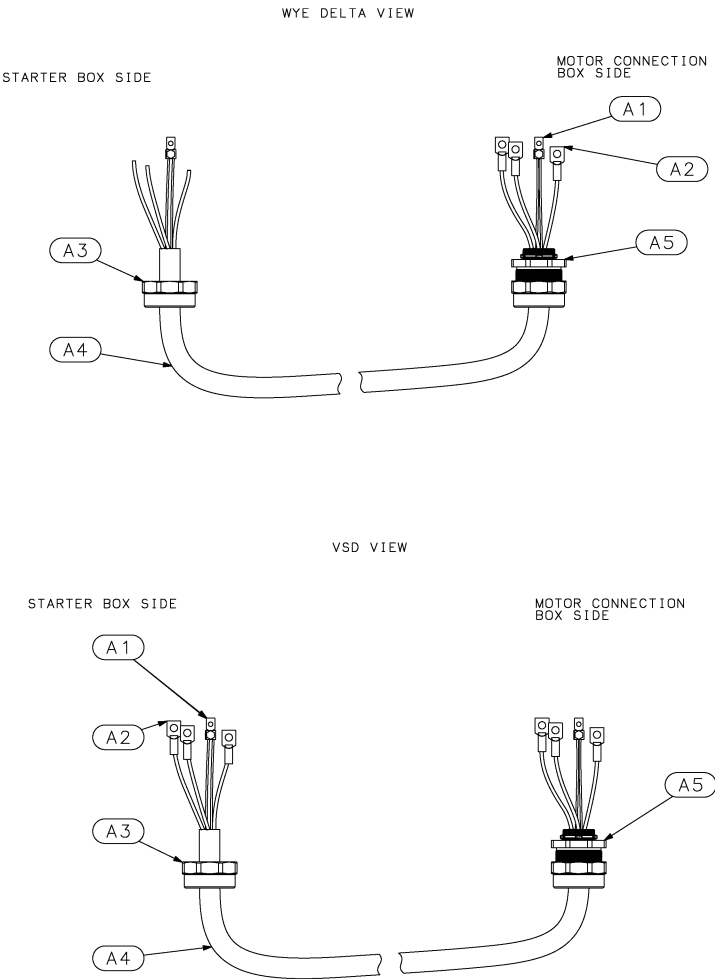
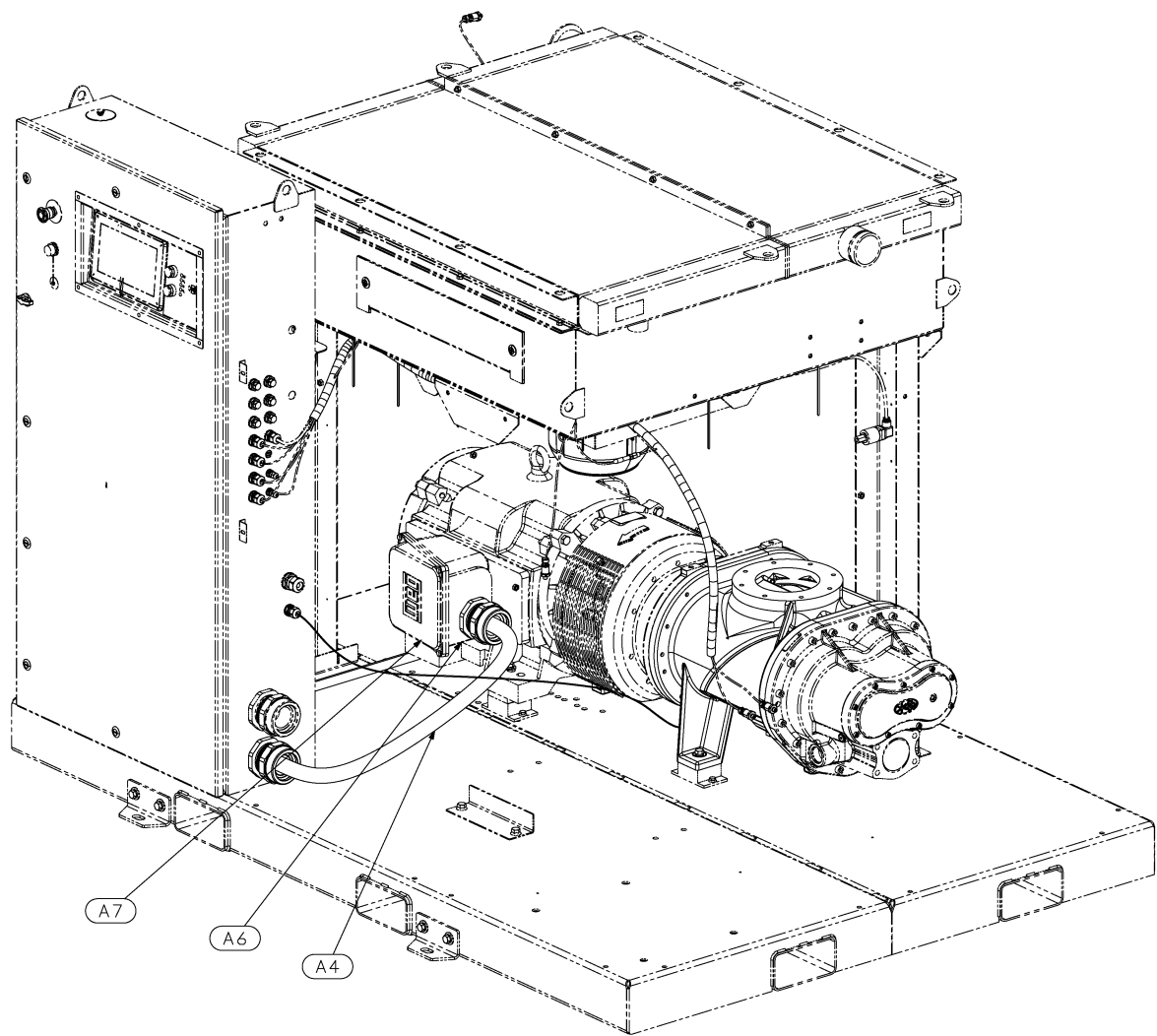
1.31 Electrical control assembly, water-cooled (Spiral Valve)

Key	Part number	Qty	Description	Notes
1	02250120-820	1	TUBING,HT SHRNK .375-.75" BLK FT	
2	02250155-174	1	TRANSDUCER,PRESS 0-250# RATIO METRIC	
3	02250172-873	3	KIT,XDCR PRESS0-250# 12FT CORD	
4	02250175-087	2	PROBE,THERMISTER 3000 OHM NTC 12'L	
5	02250215-692	2	GRIP,CORD CABLE GLAND M 12	
6	02250215-693	6	GRIP,CORD CABLE GLAND M 20	
7	02250221-086	11	WRAP,PUSH LOK TIE	
8	02250224-853	1	SWITCH,VAC 22" N4	
9	02250227-008	1	SWITCH,PRESS NO 10 PSI	
10	02250229-208	1	WRAP,.75ID PRES LIT BRAIDED	
11	02250229-273	1	HARNESS,STEP MTR ARD 9 COND	
12	250028-635	2	FITTING, COMPRESS ADJ	

Drawing notes

A1	P1 TO SUMP TANK
A2	P2 TO MOISTURE SEPARATOR
A3	P3 TO FLUID FILTER OUT
A4	P4 TO FLUID FILTER IN
A5	T1 TO DISCHARGE PIPE
A6	T2 TO MINIMUM PRESSURE CHECK VALVE
A7	INLET FILTER SWITCH TO AIR FILTER
A8	POWER TO SPIRAL VALVE STEPPER MOTOR
A9	LOOP 12 INCHES OF EXTRA WIRE AND ZIP TIE
A10	HEAT SHRINK SHALL COVER THE CONNECTOR

1.32 Motor wiring

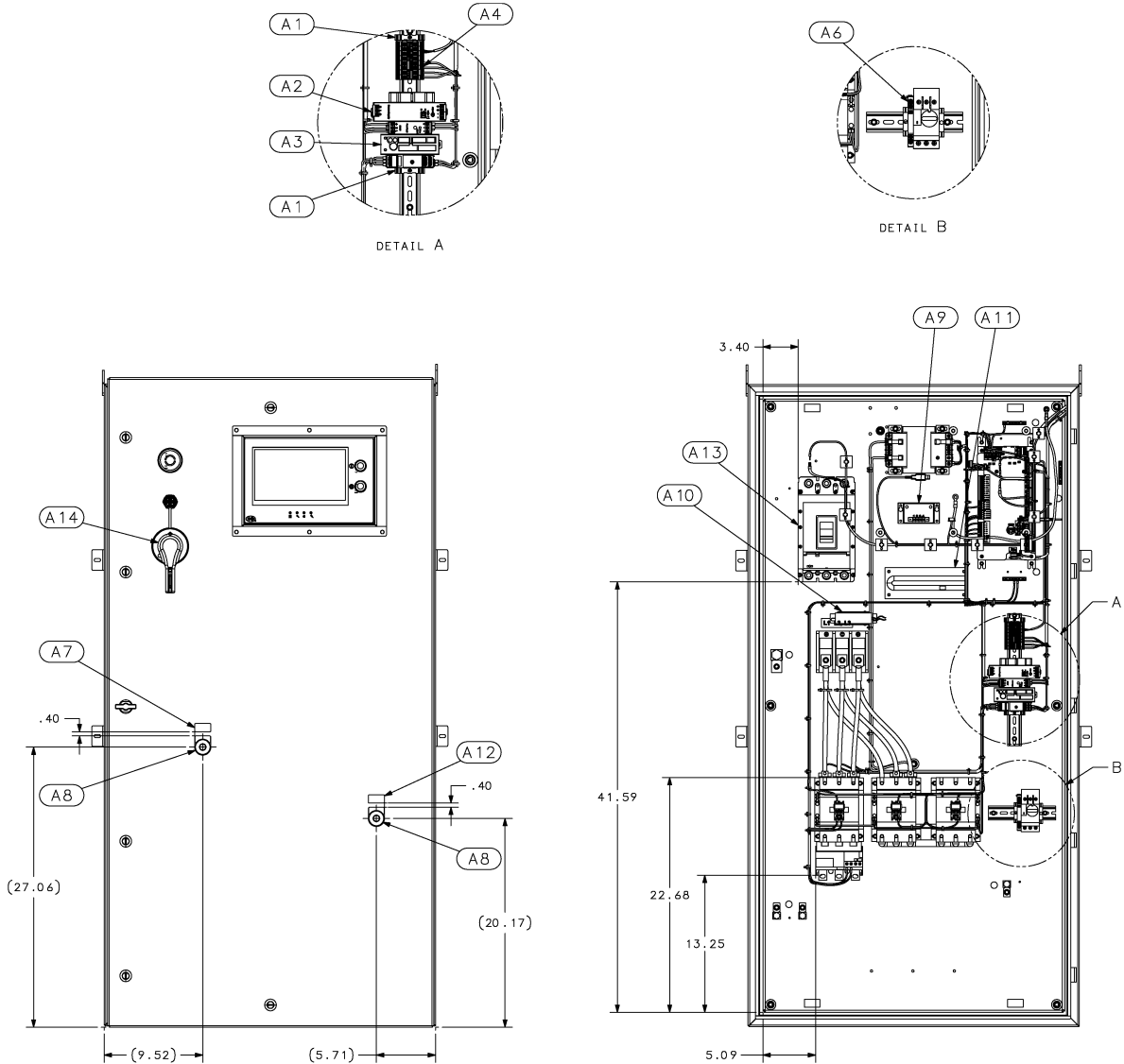


02250228-382 R02

1.32 Motor wiring

Drawing notes	
A1	GROUND LUG - GREEN WIRE
A2	LUG - WHITE, RED, BLACK WIRE
A3	CORD GRIP
A4	MOTOR CABLE
A5	BUSHING
A6	WYE DELTA: TWO BUSHINGS TO MOTOR CONNECTION BOX; VSD: ONE BUSHING AND ONE PLUG TO MOTOR CONNECTION BOX
A7	ROTATE MOTOR CONNECTION BOX 90 DEGREES COUNTER CLOCKWISE
	THIS DOCUMENT IS TO BE USED AS A REFERENCE FOR THE LOCATION OF THE MOTOR WIRING OPTIONS. IF FOR SOME REASON THE MODULE CANNOT BE MOUNTED AS SHOWN, PLEASE CONSULT ENGINEERING.

1.33 Wye-delta options



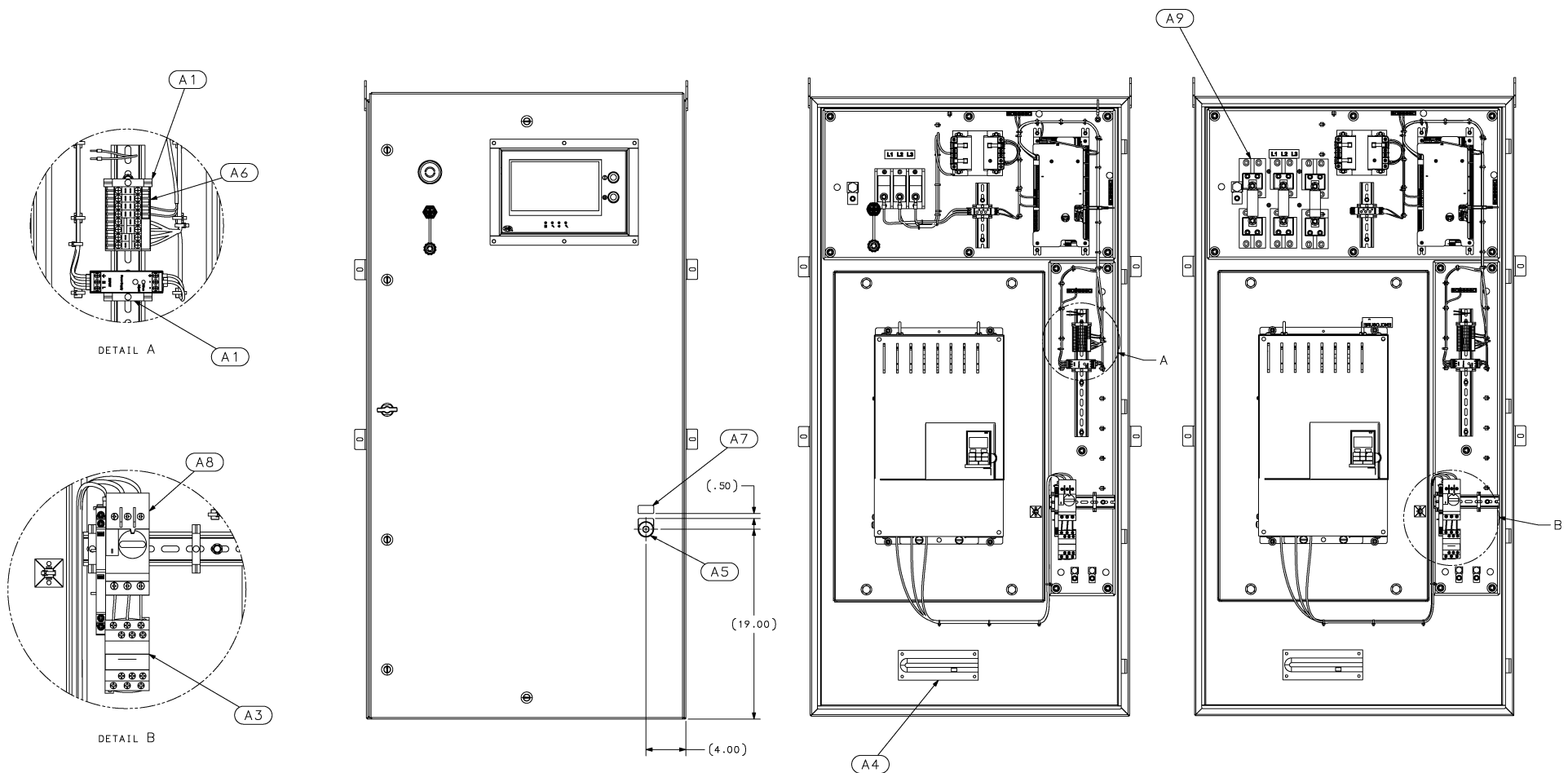
1004-5384 R01

1.33 Wye-delta options

Drawing notes

1	TERMINAL END PLATE SHALL BE MOVED TO THE BOTTOM OF LAST COMPONENT ON THE DIN RAIL FOR ANY OTHER OPTIONS.
A1	DIN RAIL END CLIP
A2	POWER SUPPLY (SPIRAL VALVE)
A3	DRIVE (SPIRAL VALVE)
A4	TERMINAL BLOCK
A5	NOTE REMOVED
A6	FAN OVERLOAD (MPP)
A7	MAIN DECAL FOR MANUAL RESET BUTTON
A8	MANUAL RESET BUTTON
A9	TRANSDUCER (POWER MONITORING)
A10	CURRENT TRANSFORMER (POWER MONITORING)
A11	CONTROL BOX HEATER (COLD WEATHER STANDARD)
A12	FAN DECAL FOR MANUAL RESET BUTTON
A13	CIRCUIT BREAKER
A14	CIRCUIT BREAKER HANDLE

1.34 VSD options

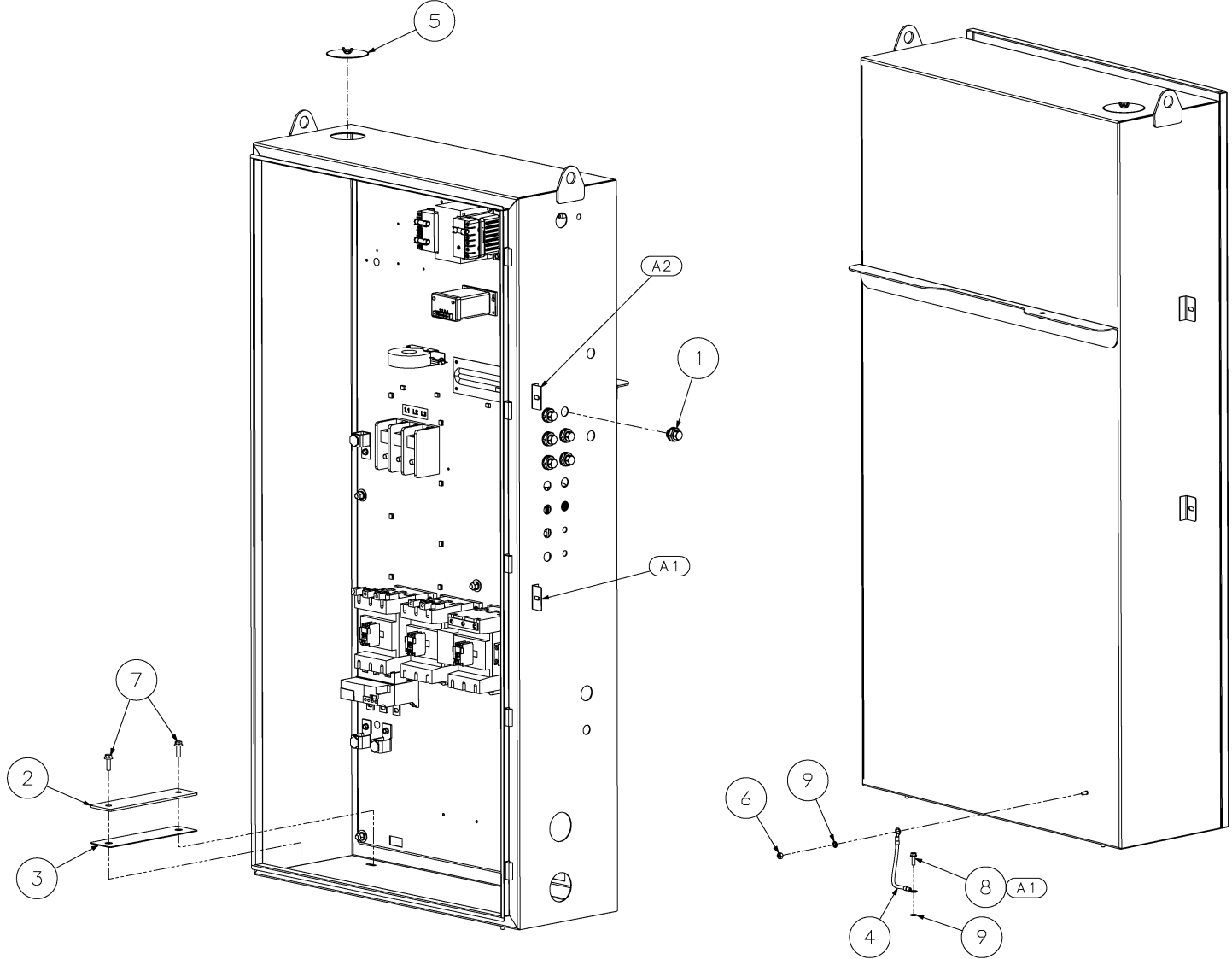


1004-5356 R01

1.34 VSD options

Drawing notes	
A1	DIN RAIL END CLIP
A2	NOTE REMOVED
A3	FAN CONTACTOR
A4	CONTROL BOX HEATER (COLD WEATHER STANDARD)
A5	MANUAL RESET BUTTON
A6	TERMINAL BLOCK
A7	FAN DECAL FOR MANUAL RESET BUTTON
A8	FAN OVERLOAD (MMP)
A9	MAIN FUSES

1.35 Starter mounting (Wye-delta)



1003-1060 R00

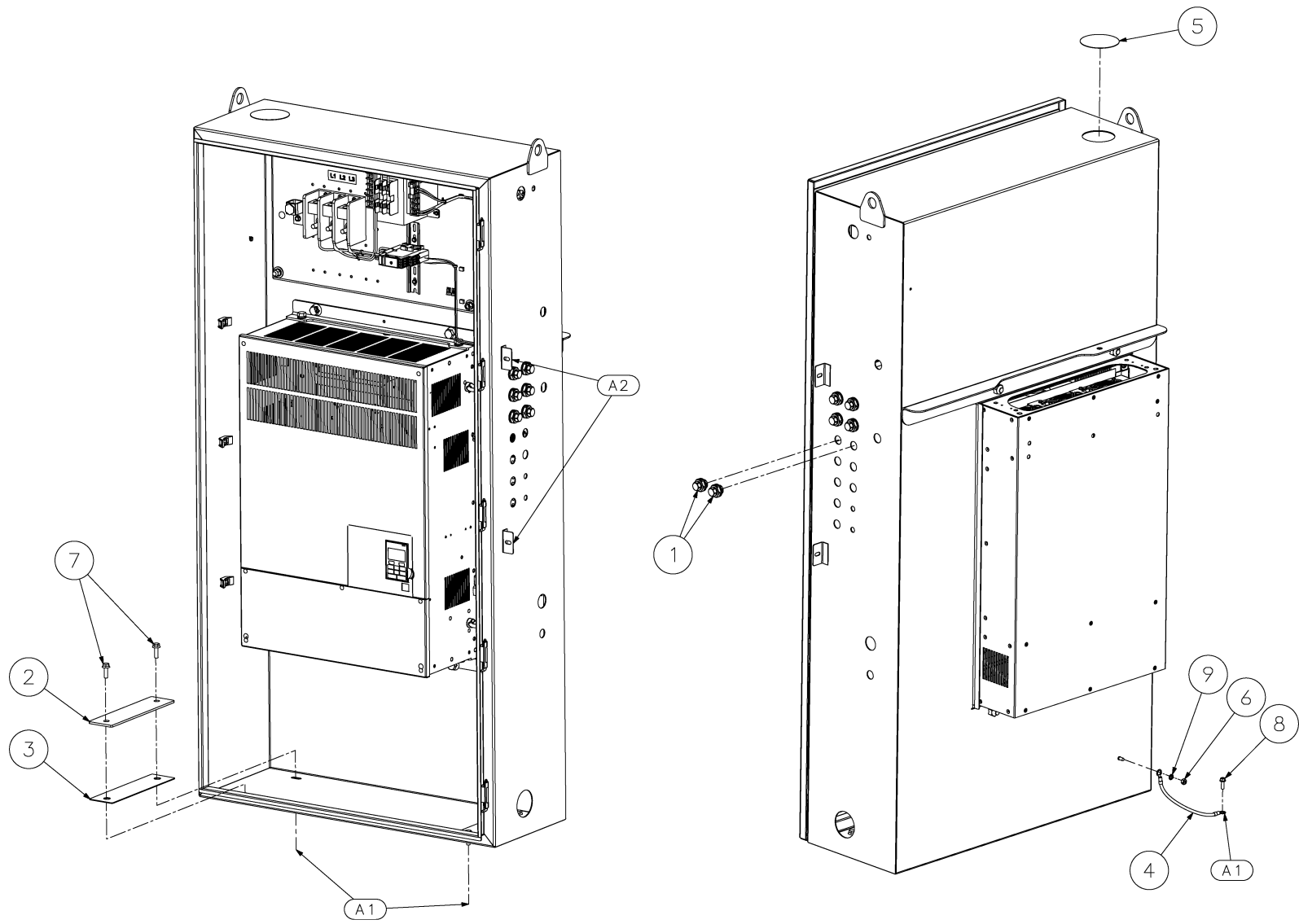
1.35 Starter mounting (Wye-delta)

Key	Part number	Qty	Description	Notes
1	02250216-341	6	PLUG,CLICK BLK 20MM	
2	02250225-320	2	PLATE,MOUNTING ELEC ENCLOSURE	
3	02250225-938	2	GASKET,ELECT ENCLOSURE	
4	02250226-008	1	CABLE,GROUND BOND 8"	
5	409918-008	1	PLUG,HOLE N4 2-1/2" COND	
6	825204-226	1	NUT, HEX PLTD 1/4-20	
7	829705-100	4	SCREW, HX SER WASH 5/16 X 1"	
8	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
9	838404-028	2	WASHER, LOCK EXT TOOTH 1/4"	

Drawing notes

A1	TO THE FRAME
A2	TO ENCLOSURE

1.36 Starter mounting (VSD)



1004-5355 R00

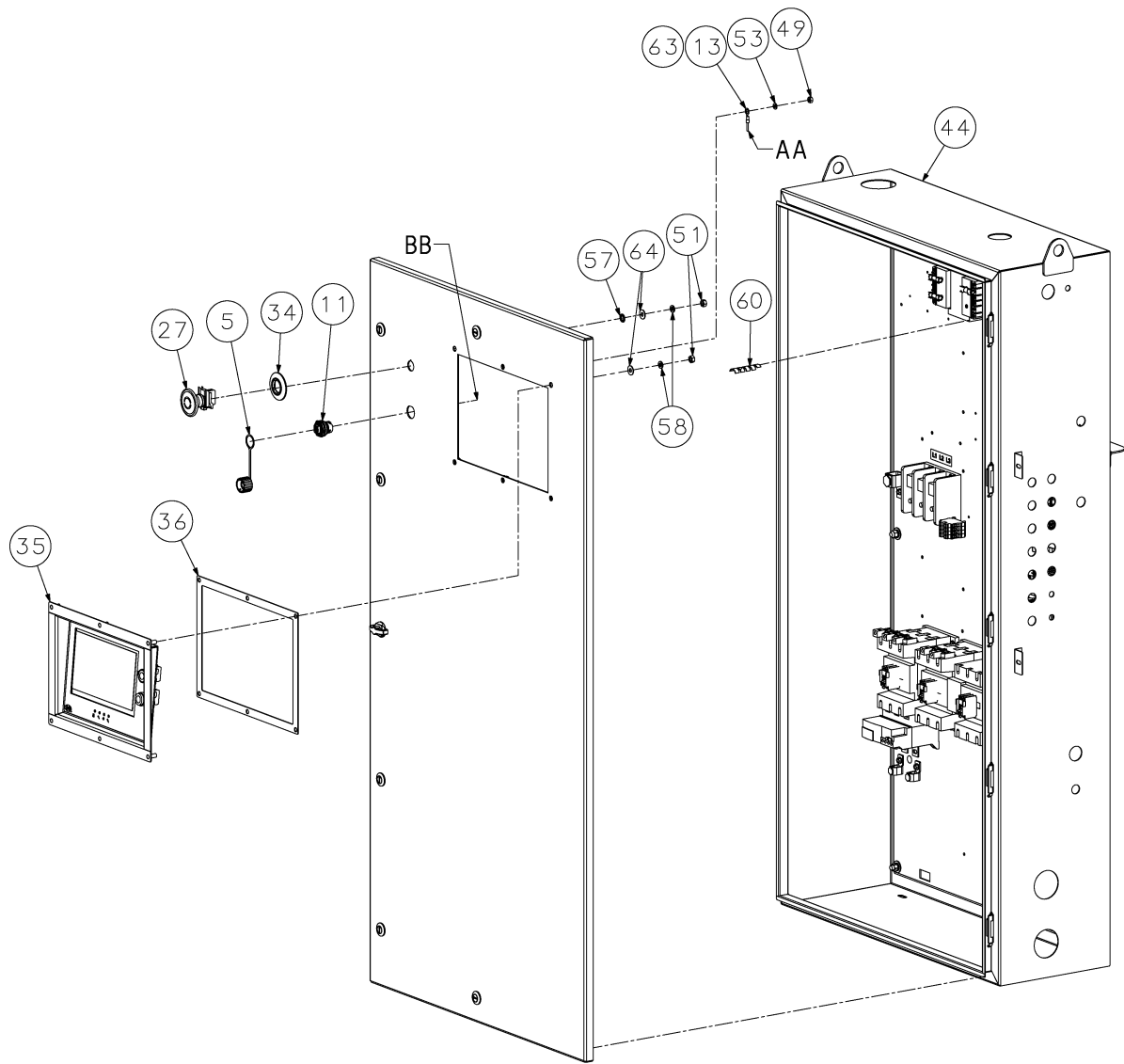
1.36 Starter mounting (VSD)

Key	Part number	Qty	Description	Notes
1	02250216-341	6	PLUG,CLICK BLK 20MM	
2	02250225-320	2	PLATE,MOUNTING ELEC ENCLOSURE	
3	02250225-938	2	GASKET,ELECT ENCLOSURE	
4	02250226-008	1	CABLE,GROUND BOND 8"	
5	409918-008	1	PLUG,HOLE N4 2-1/2" COND	
6	825204-226	1	NUT, HEX PLTD 1/4-20	
7	829705-100	4	SCREW, HX SER WASH 5/16 X 1"	
8	834504-075	1	SCREW, SELF DRILL 1/4 X 3/4"	
9	838404-028	1	WASHER, LOCK EXT TOOTH 1/4"	

Drawing notes

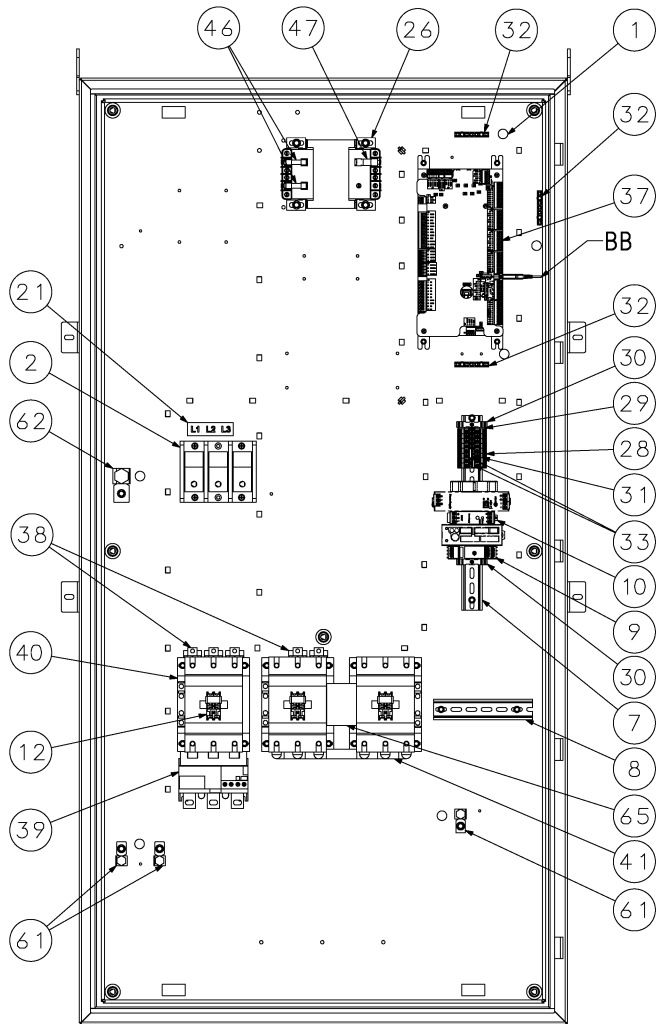
A1	TO THE FRAME
A2	TO ENCLOSURE

1.37 Control starter (Wye-delta – 125 hp)

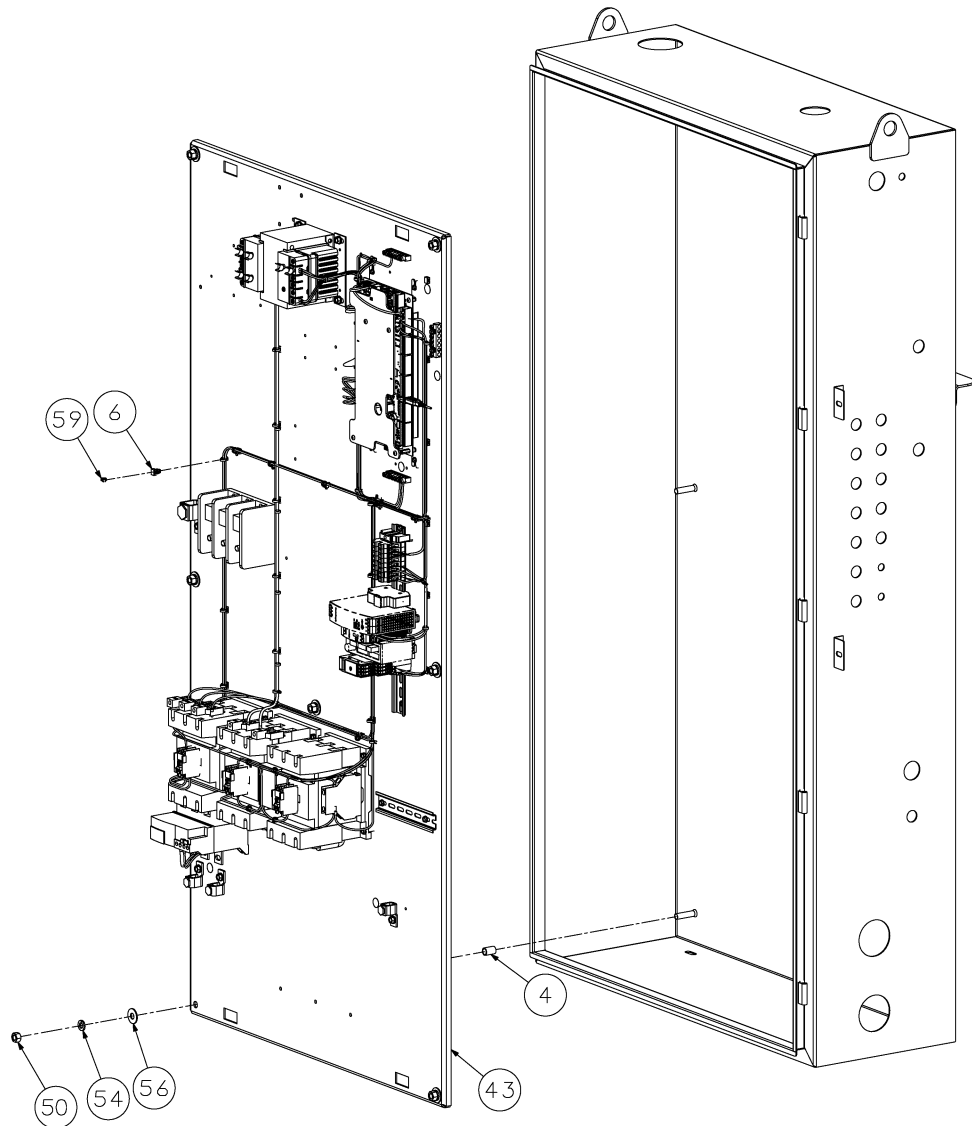


1002-9249 R02 (sh1)

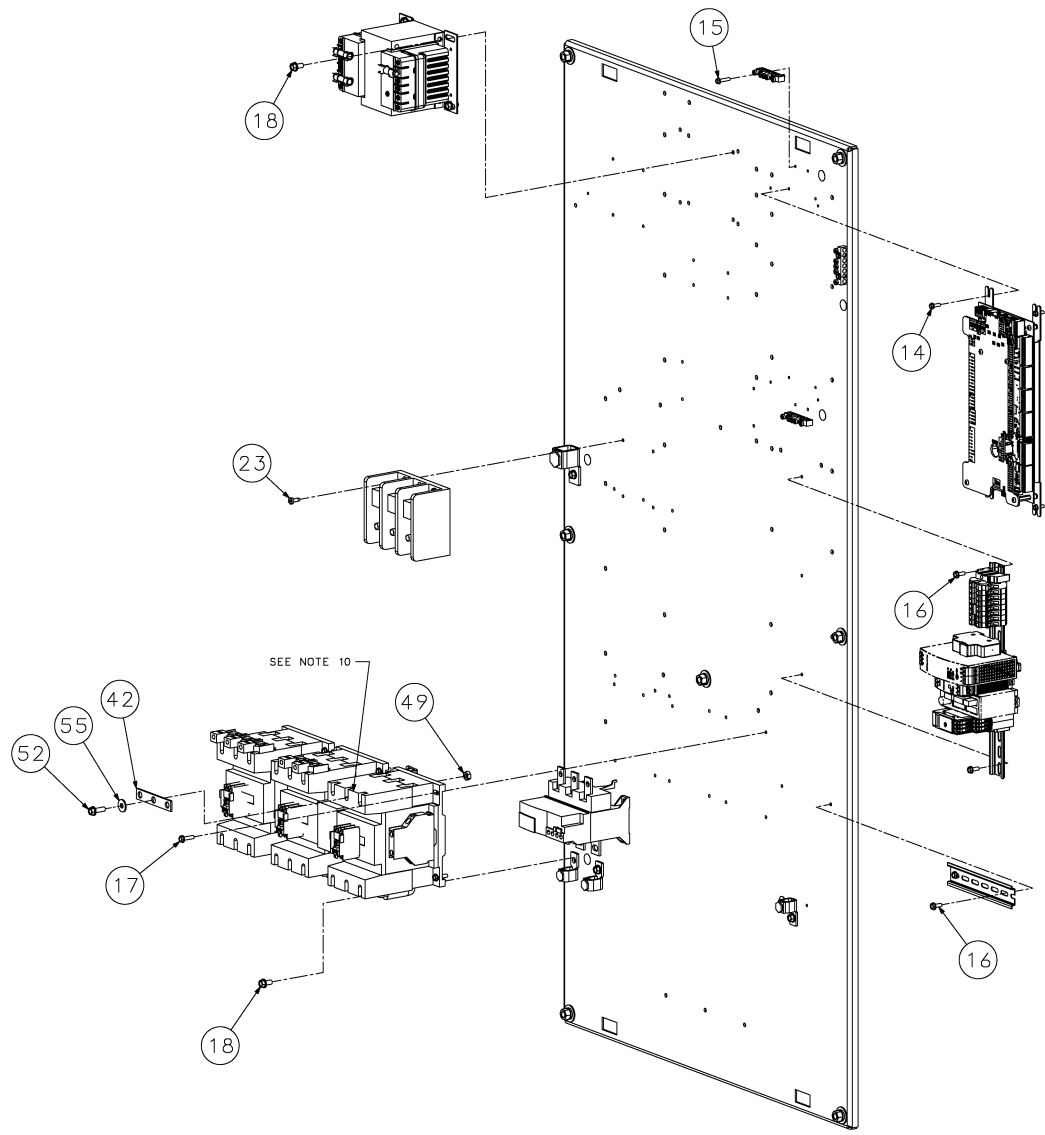
1.37 Control starter (Wye-delta – 125 hp)



1002-9249 R02 (sh2)

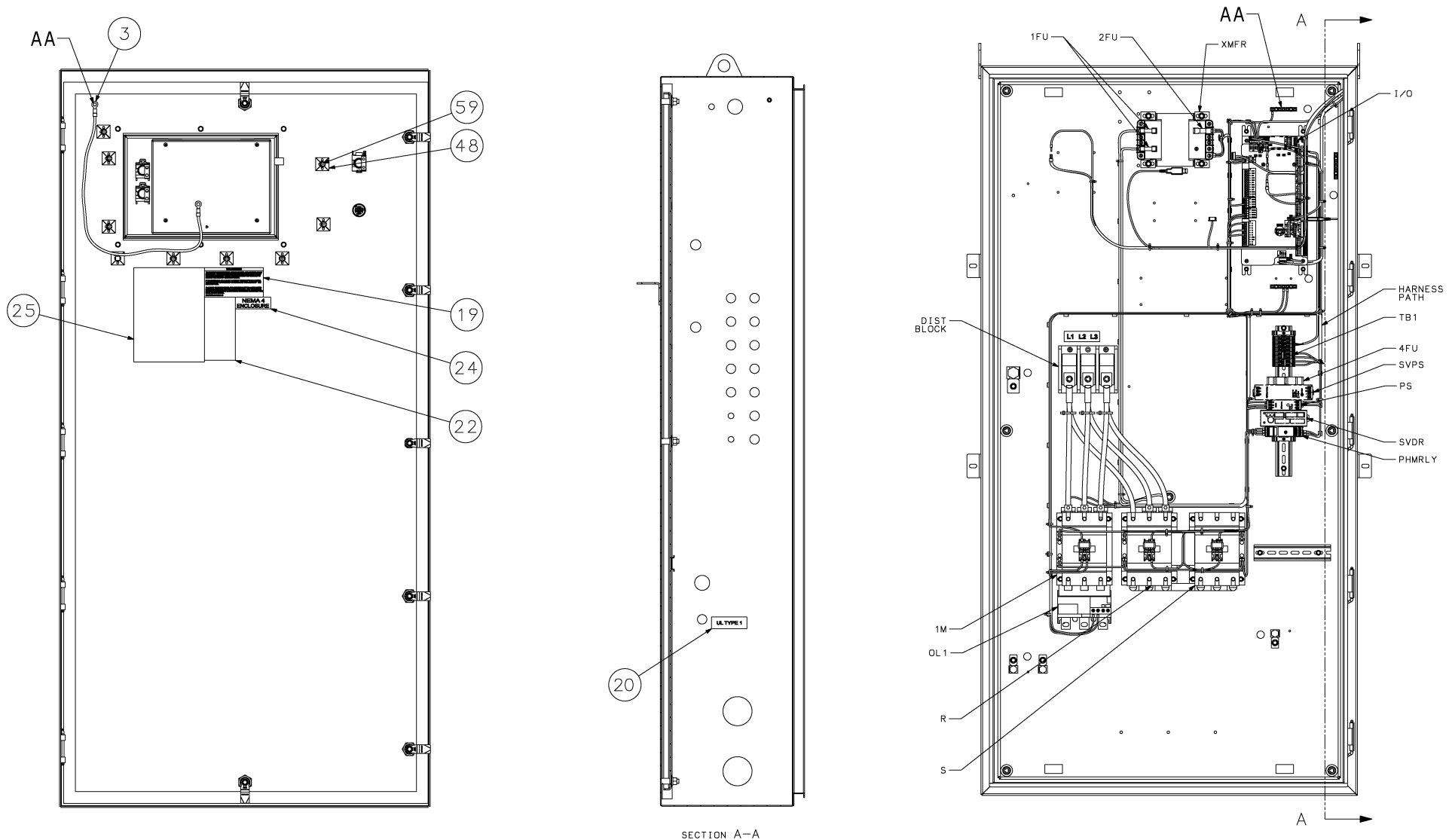


1.37 Control starter (Wye-delta – 125 hp)



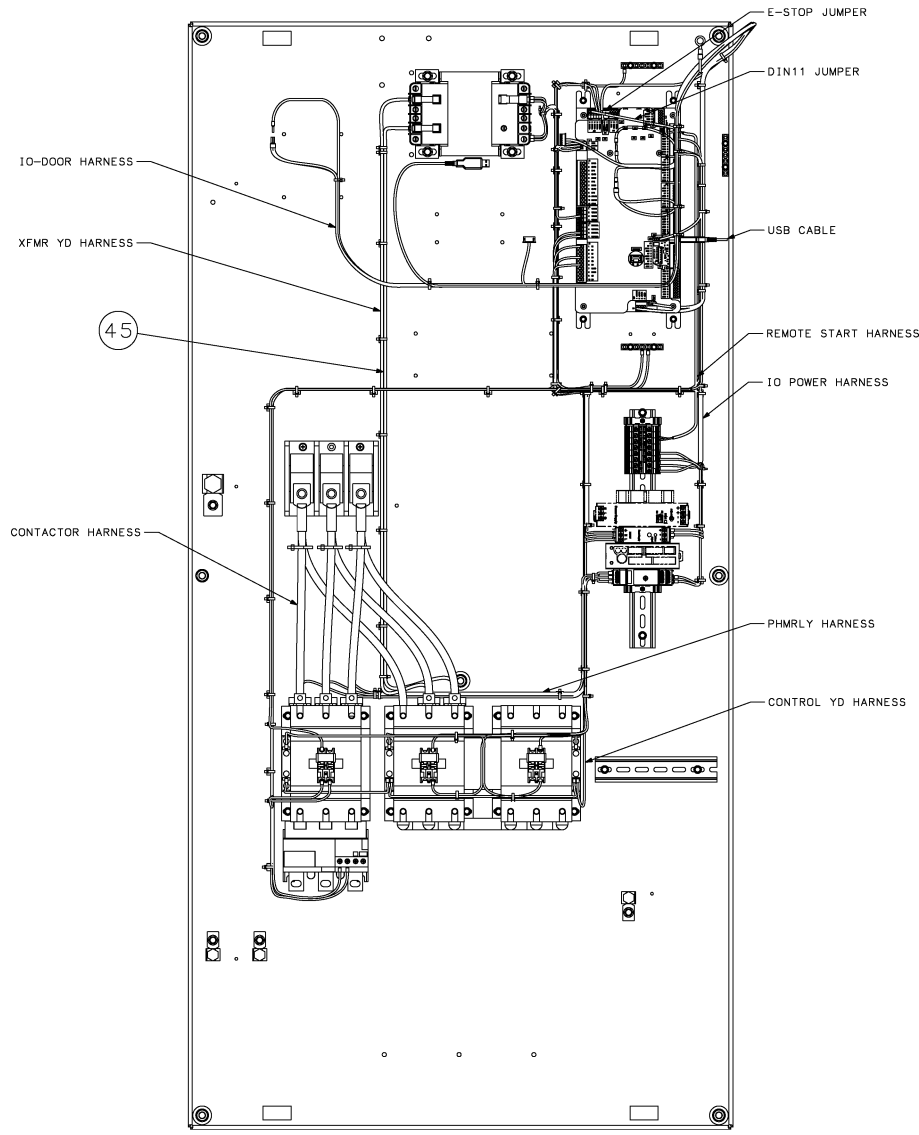
1002-9249 R02 (sh3)

1.37 Control starter (Wye-delta – 125 hp)



1002-9249 R02 (sh4)

1.37 Control starter (Wye-delta – 125 hp)



1002-9249 R02 (sh5)

1.37 Control starter (Wye-delta – 125 hp)

Key	Part number	Qty	Description	Notes
1	02250075-045	6	DECAL,PROTECTIVE EARTH GROUND	
2	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
3	02250157-281	1	WIRE, 10 GAGE GROUND BOND 24"	
4	02250183-074	7	SPACER,TUBE 3/8 ID X 3/4	
5	02250207-732	1	CAP,ETHERNET PORT NEMA6	
6	02250214-985	36	CLIP,CABLE TIE PUSH BARB	
7	02250218-324	1	RAIL,DIN RAIL 12.75IN	
8	02250218-671	1	RAIL,DIN RAIL 6.5IN	
9	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
10	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
11	02250232-525	1	RECEIVER,USB	
12	02250234-041	3	CONTACTOR,AUX 1NO&1NC	
13	02250241-424	1	TERMINAL,RING 5/16 X 14-16 AWG	
14	02250244-437	4	SCREW,TR-TT HEX #8-32 X 1/2"	
15	02250244-438	6	SCREW,TR-TT HEX #8-32 X 3/4"	
16	02250244-439	5	SCREW,TR-TT HEX #10-32 X 1/2"	
17	02250244-440	12	SCREW,TR-TT HEX #10-32 X 3/4"	
18	02250244-441	8	SCREW,TR-TT HEX 1/4-20 X 1/2"	
19	02250246-544	1	DECAL,WARNING CIRCUIT PROTECT	
20	02250246-668	1	DECAL,TYPE 1 ENCLOSURE	
21	02250246-669	1	DECAL,FIELD WIRING INPUT	
22	02250246-671	1	DECAL,FIELD INSTRUCTIONS	
23	02250247-582	4	SCREW,TR-TT PAN 10-24 X 1/2"	
24	02250250-556	1	DECAL,NEMA 4 ENCLOSURE	
25	02250260-870	1	DECAL,SCHNEIDER OVLD	
26	02250261-688	1	TRANSFORMER,500VA UNIV VOLT HPS	
27	02250266-609	1	SWITCH ASSEMBLY,E-STOP SCH	
28	02250266-710	8	BLOCK,TERM 50A 600V SCH	
29	02250266-711	1	BLOCK,TERM END PLATE SCH	
30	02250266-713	2	BLOCK,TERM END STOP SCH	
31	02250266-719	1	MARKER,TAG, BLANK 8MM SCH	
32	02250266-725	3	BAR,GROUNDING 5 POINT SCH	
33	02250266-726	2	LINK,JUMPER 6MM 2 POS SCH	
34	02250266-727	1	DECAL,ESTOP YL RING 60MM SCH	
35	02250266-756	1	SUB ASSEMBLY,MODULAR,GLOBAL CONTROLLER 10"	

1.37 Control starter (Wye-delta – 125 hp)

Key	Part number	Qty	Description	Notes
36	02250269-819	1	GASKET,GC HMI BEZEL 10"	
37	1000-1223	1	SUB ASSEMBLY,MODULAR,I/O MOD GLOBAL	
38	1000-3181	5	CONTACTOR,TERMINAL EXTENSION SCH	
39	1000-7812	1	RELAY,OVERLOAD 60-100A SCH	
40	1000-8253	3	CONTACTOR,SZD 115A 120V 50/60HZ	
41	1001-0698	1	BAR,REVERSING	
42	1001-0699	1	BAR,SHORTING	
43	1001-1972	1	PANEL,SUB YD LS90-110	
44	1002-9247	1	BOX,STR YD LS90-110	
45	1003-3897	1	SUB ASSEMBLY,MODULAR,YD HARN LS90/110	
46	250026-644	2	FUSE,CLASS CC 2.0A 600V TD	
47	250041-614	1	FUSE,CC TD 7A 600VAC	
48	409796	9	PLATE,TY-RAP MOUNTING	
49	825204-226	4	NUT, HEX PLTD 1/4-20	
50	825206-337	7	NUT,HEX PLTD 3/8-16	
51	825908-125	6	NUT, HEX METRIC M8 X 1.25	
52	835904-075	3	SCREW, TR-TT HEX 1/4 X 3/4"	
53	837504-062	1	WASHER, SPRLOCK REG 1/4"	
54	837506-094	7	WASHER, SPRLOCK REG 3/8"	
55	838204-071	3	WASHER,PL-B REG PLTD 1/4"	
56	838206-071	7	WASHER,PL-B REG PLTD 3/8"	
57	838406-040	1	WASHER, LOCK EXT TOOTH 3/8"	
58	838808-200	6	WASHER, SPRLOCK METRIC M8	
59	843200-023	47	WRAP, TIE NYLON TY23	
60	848700-038	2	WRAP, SPIRAL WIRE 3/8" (FT)	FEET
61	849215-025	3	LUG, SCRULUG KPA-25 4-1/0	
62	849215-028	1	LUG, SCRULUG KPA-28 1/0-4/0	
63	850215-016	1	WIRE, MTW/AWM 16GA GRN/YEL STR	FEET
64	882708-200	6	WASHER, METRIC FLT THIN 8 X 20	
65	88290001-487	1	CONTACTOR,MCNLOCK LA9D11502 TE	

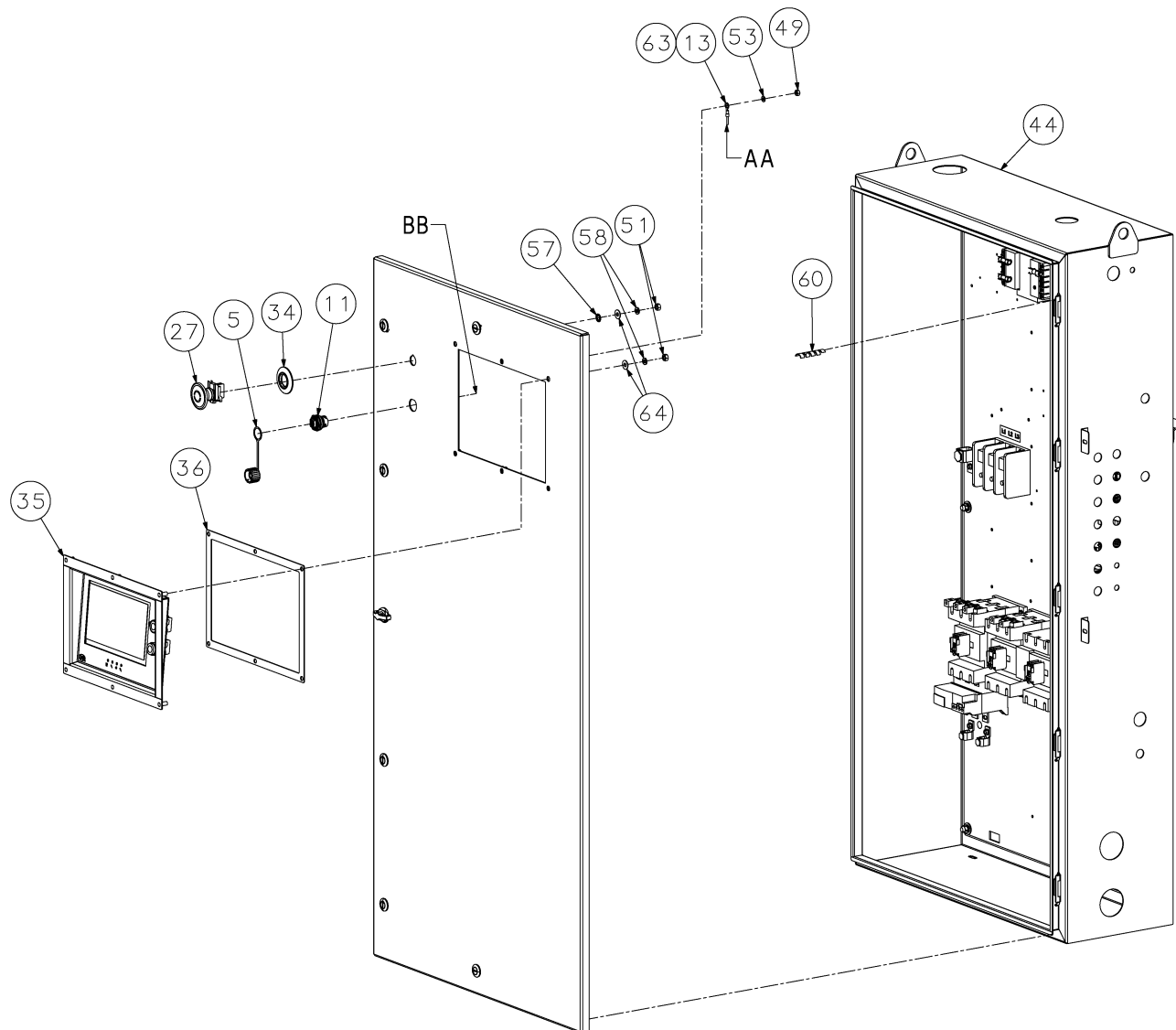
Drawing notes

1	MARK/TAG COMPONENT/CONTAINER WITH SULLAIR PART NUMBER AND REVISION.
2	MANUFACTURER: SULLAIR
3	ALL CRITICAL COMPONENTS TO BE UL AND CSA LISTED/RECOGNIZED.
4	PANEL ASSEMBLY SHALL MEET UL 508A.

1.37 Control starter (Wye-delta – 125 hp)

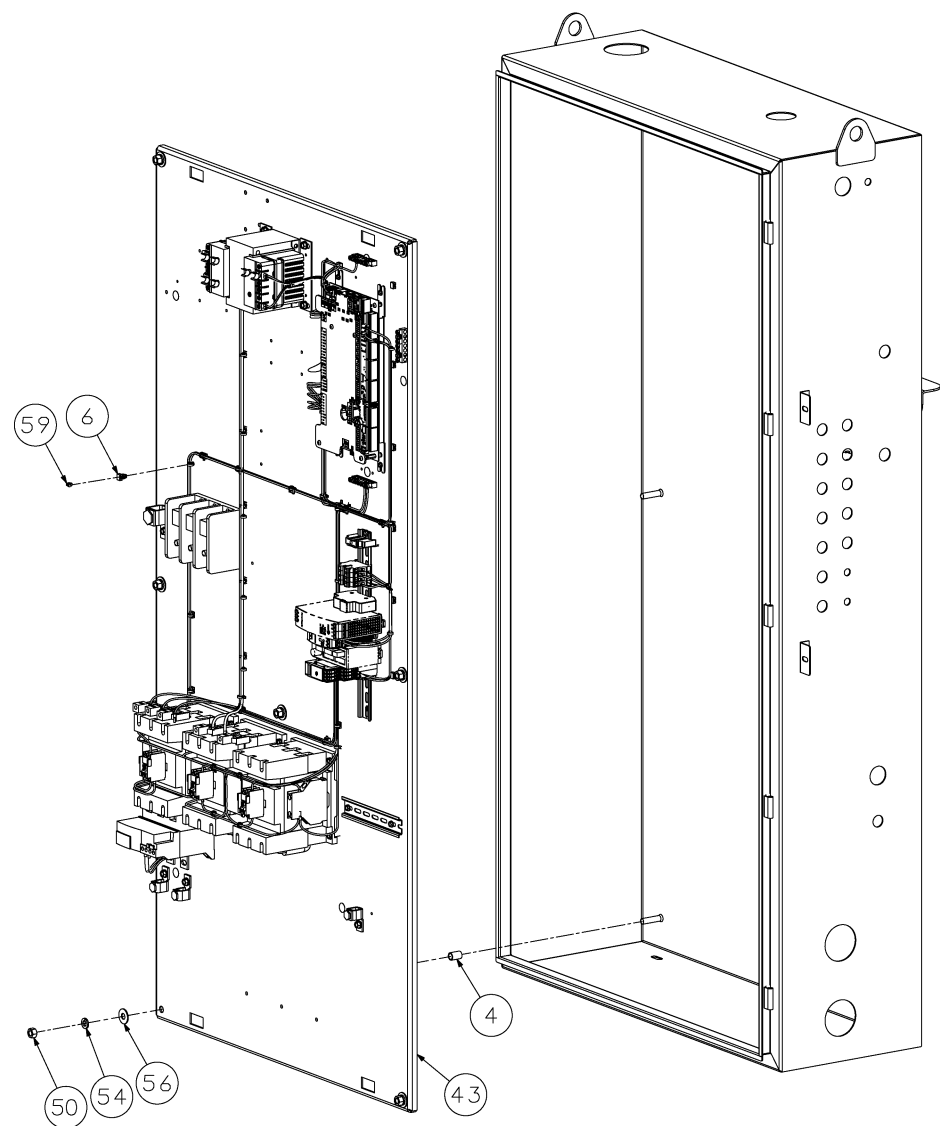
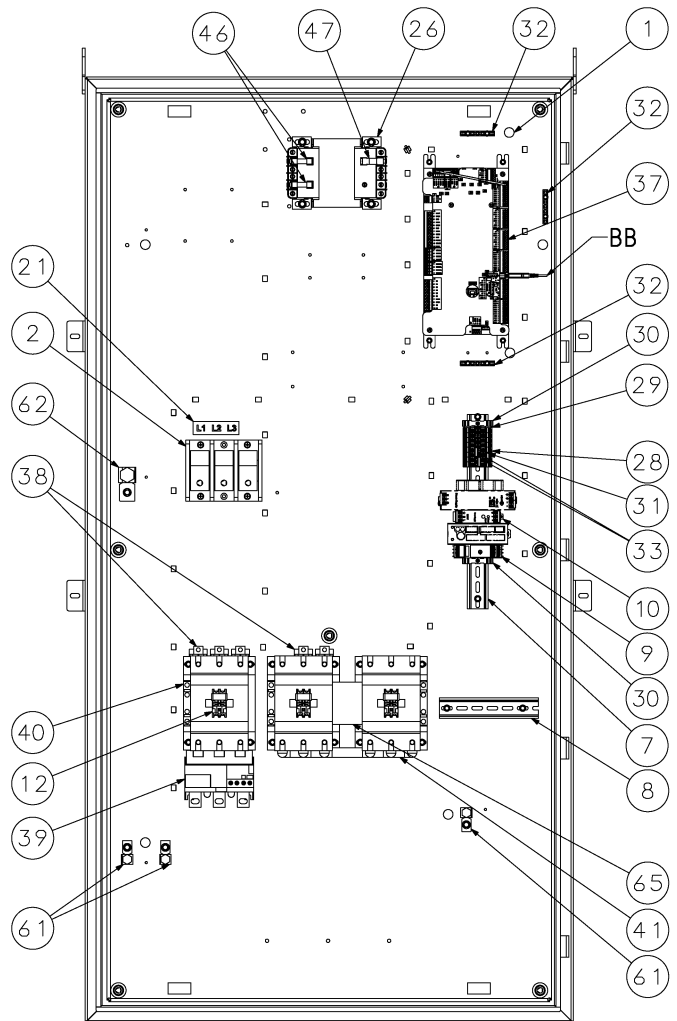
Key	Part number	Qty	Description	Notes
5	WIRE TO/FROM ALL SUPPLIED COMPONENTS PER WIRING DIAGRAM 1003-0763 OR 1003-0618.			
6	ENCLOSURE TO BE NEMA 4/UL TYPE 1 AFTER ASSEMBLY AT SULLAIR.			
7	ALL COMPONENTS SHALL BE LABELED WITH COMPONENT NAMES FROM WIRING DIAGRAM.			
8	FOR AA CONNECTION POINTS, CONNECT THE GROUND WIRE TO THE DOOR STUD AND TO THE GROUNDING BAR ABOVE THE I/O BOARD.			
9	FOR BB CONNECTION POINTS, CONNECT USB DOOR PORT I/O BOARD.			
10	REMOVE FINGER GUARD TO INSTALL SHORTING BAR.			

1.38 Control starter (Wye-delta – 150 hp)



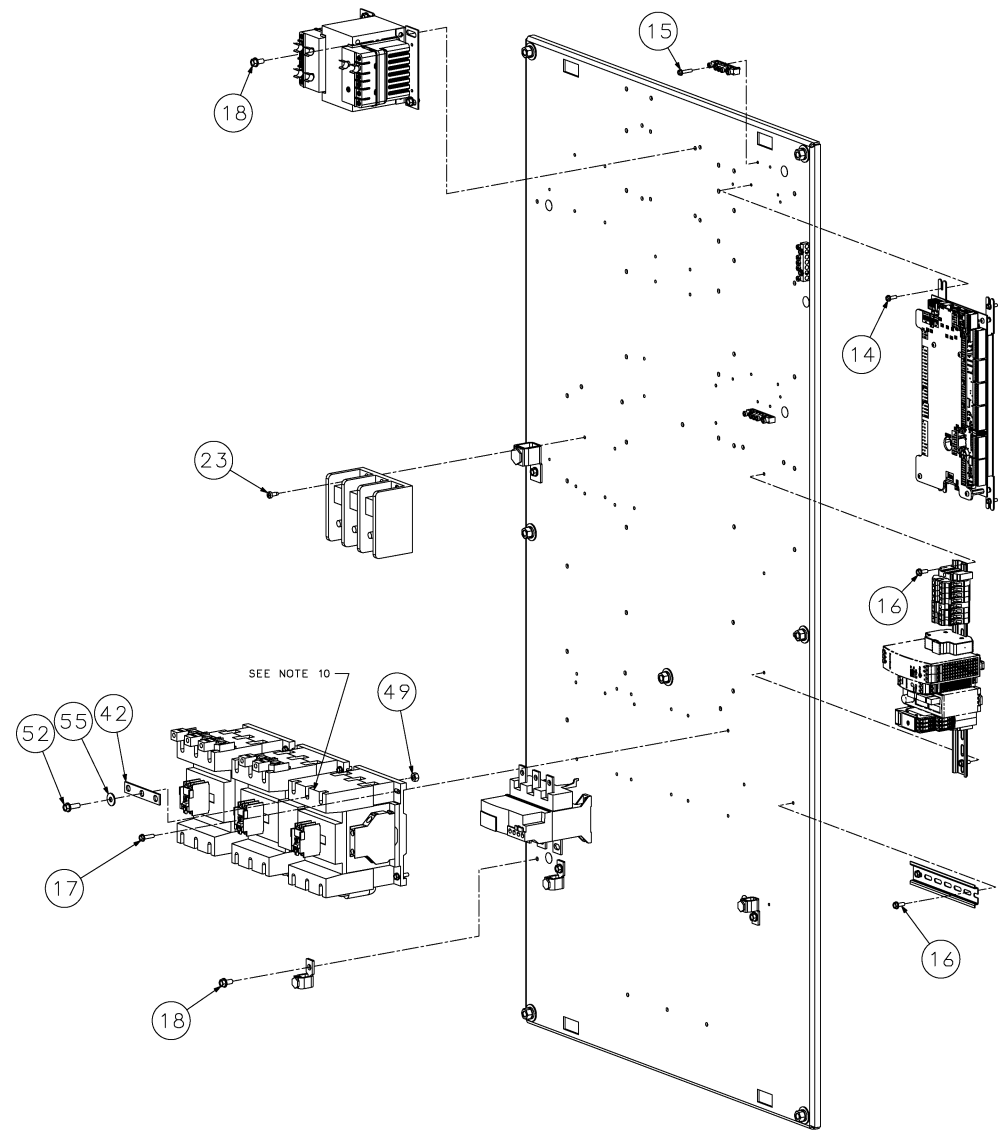
1002-9248 R02 (sh1)

1.38 Control starter (Wye-delta – 150 hp)



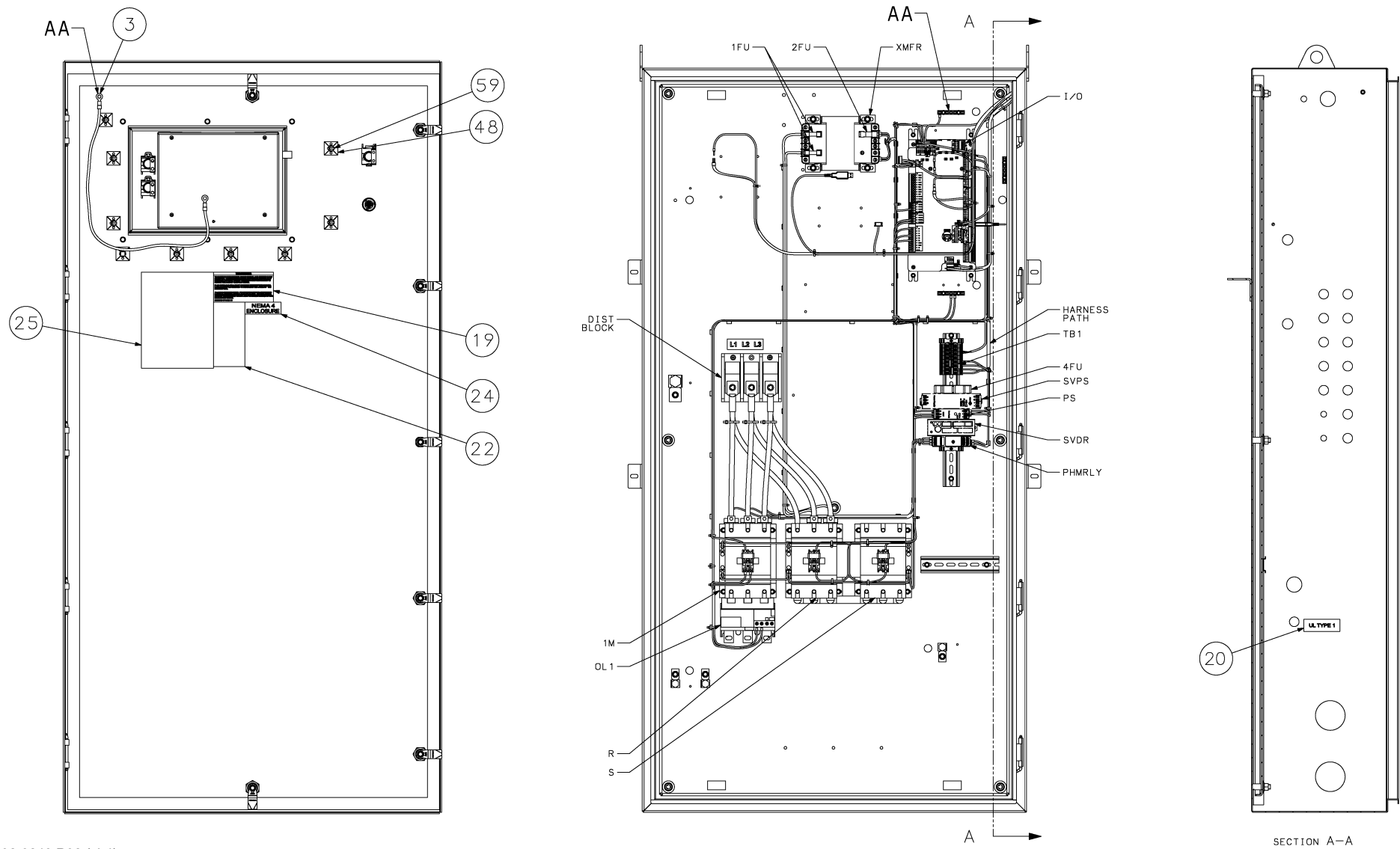
1002-9248 R02 (sh2)

1.38 Control starter (Wye-delta – 150 hp)



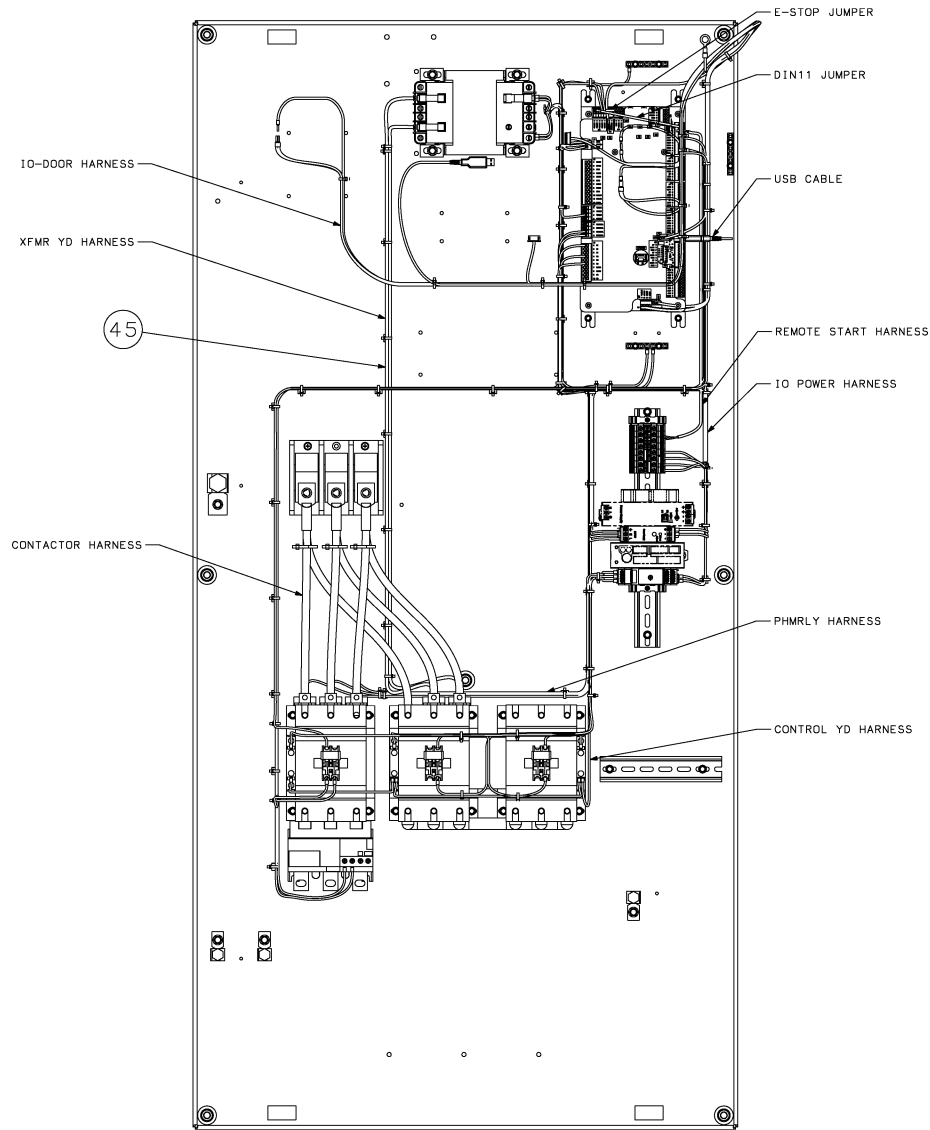
1002-9248 R02 (sh3)

1.38 Control starter (Wye-delta – 150 hp)



1002-9248 R02 (sh4)

1.38 Control starter (Wye-delta – 150 hp)



1002-9248 R02 (sh5)

1.38 Control starter (Wye-delta – 150 hp)

Key	Part number	Qty	Description	Notes
1	02250075-045	6	DECAL,PROTECTIVE EARTH GROUND	
2	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
3	02250157-281	1	WIRE, 10 GAGE GROUND BOND 24"	
4	02250183-074	7	SPACER,TUBE 3/8 ID X 3/4	
5	02250207-732	1	CAP,ETHERNET PORT NEMA6	
6	02250214-985	37	CLIP,CABLE TIE PUSH BARB	
7	02250218-324	1	RAIL,DIN RAIL 12.75IN	
8	02250218-671	1	RAIL,DIN RAIL 6.5IN	
9	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
10	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
11	02250232-525	1	RECEIVER,USB	
12	02250234-041	3	CONTACTOR,AUX 1NO&1NC	
13	02250241-424	1	TERMINAL,RING 5/16 X 14-16 AWG	
14	02250244-437	4	SCREW,TR-TT HEX #8-32 X 1/2"	
15	02250244-438	6	SCREW,TR-TT HEX #8-32 X 3/4"	
16	02250244-439	5	SCREW,TR-TT HEX #10-32 X 1/2"	
17	02250244-440	12	SCREW,TR-TT HEX #10-32 X 3/4"	
18	02250244-441	8	SCREW,TR-TT HEX 1/4-20 X 1/2"	
19	02250246-544	1	DECAL,WARNING CIRCUIT PROTECT	
20	02250246-668	1	DECAL,TYPE 1 ENCLOSURE	
21	02250246-669	1	DECAL,FIELD WIRING INPUT	
22	02250246-671	1	DECAL,FIELD INSTRUCTIONS	
23	02250247-582	4	SCREW,TR-TT PAN 10-24 X 1/2"	
24	02250250-556	1	DECAL,NEMA 4 ENCLOSURE	
25	02250260-870	1	DECAL,SCHNEIDER OVLD	
26	02250261-688	1	TRANSFORMER,500VA UNIV VOLT HPS	
27	02250266-609	1	SWITCH ASSEMBLY,E-STOP SCH	
28	02250266-710	8	BLOCK,TERM 50A 600V SCH	
29	02250266-711	1	BLOCK,TERM END PLATE SCH	
30	02250266-713	2	BLOCK,TERM END STOP SCH	
31	02250266-719	1	MARKER,TAG, BLANK 8MM SCH	
32	02250266-725	3	BAR,GROUNDING 5 POINT SCH	
33	02250266-726	2	LINK,JUMPER 6MM 2 POS SCH	
34	02250266-727	1	DECAL,ESTOP YL RING 60MM SCH	
35	02250266-756	1	SUB ASSEMBLY,MODULAR,GLOBAL CONTROLLER 10"	

1.38 Control starter (Wye-delta – 150 hp)

Key	Part number	Qty	Description	Notes
36	02250269-819	1	GASKET,GC HMI BEZEL 10"	
37	1000-1223	1	SUB ASSEMBLY,MODULAR,I/O MOD GLOBAL	
38	1000-3181	5	CONTACTOR,TERMINAL EXTENSION SCH	
39	1000-7811	1	RELAY,OVERLOAD 90-150A SCH	
40	1000-8856	3	CONTR,SZD 150A 120V 50/60HZ	
41	1001-0698	1	BAR,REVERSING	
42	1001-0699	1	BAR,SHORTING	
43	1001-1972	1	PANEL,SUB YD LS90-110	
44	1002-9247	1	BOX,STR YD LS90-110	
45	1003-3897	1	SUB ASSEMBLY,MODULAR,YD HARN LS90/110	
46	250026-644	2	FUSE,CLASS CC 2.0A 600V TD	
47	250041-614	1	FUSE,CC TD 7A 600VAC	
48	409796	9	PLATE,TY-RAP MOUNTING	
49	825204-226	4	NUT, HEX PLTD 1/4-20	
50	825206-337	7	NUT,HEX PLTD 3/8-16	
51	825908-125	6	NUT, HEX METRIC M8 X 1.25	
52	835904-075	3	SCREW, TR-TT HEX 1/4 X 3/4"	
53	837504-062	1	WASHER, SPRLOCK REG 1/4"	
54	837506-094	7	WASHER, SPRLOCK REG 3/8"	
55	838204-071	3	WASHER,PL-B REG PLTD 1/4"	
56	838206-071	7	WASHER,PL-B REG PLTD 3/8"	
57	838406-040	1	WASHER, LOCK EXT TOOTH 3/8"	
58	838808-200	6	WASHER, SPRLOCK METRIC M8	
59	843200-023	46	WRAP, TIE NYLON TY23	
60	848700-038	2	WRAP, SPIRAL WIRE 3/8" (FT)	FEET
61	849215-025	3	LUG, SCRULUG KPA-25 4-1/0	
62	849215-028	1	LUG, SCRULUG KPA-28 1/0-4/0	
63	850215-016	1	WIRE, MTW/AWM 16GA GRN/YEL STR	FEET
64	882708-200	6	WASHER, METRIC FLT THIN 8 X 20	
65	88290001-487	1	CONTACTOR,MCNLOCK LA9D11502 TE	

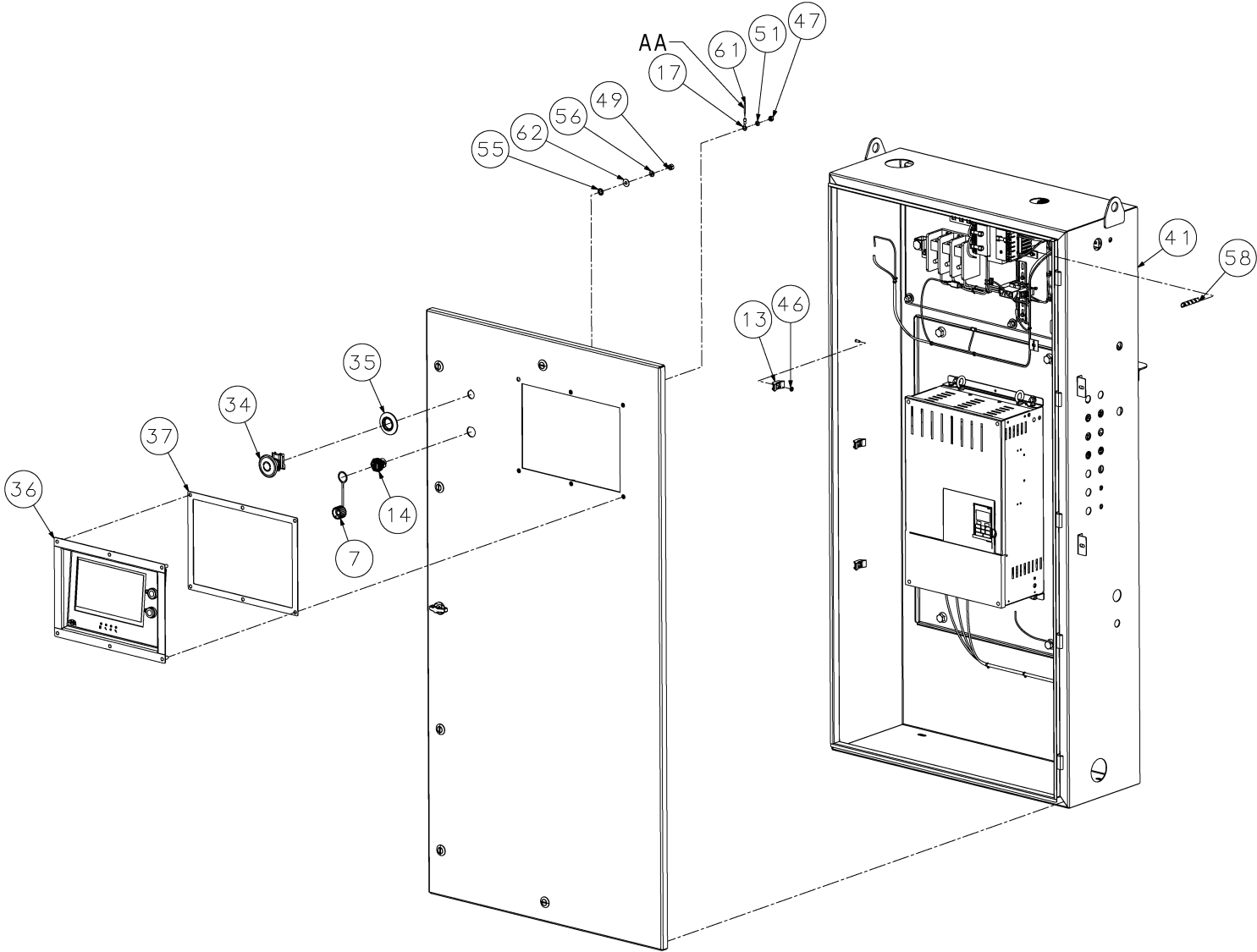
Drawing notes

1	MARK/TAG COMPONENT/CONTAINER WITH SULLAIR PART NUMBER AND REVISION.
2	MANUFACTURER: SULLAIR
3	ALL CRITICAL COMPONENTS TO BE UL AND CSA LISTED/RECOGNIZED.
4	PANEL ASSEMBLY SHALL MEET UL 508A.

1.38 Control starter (Wye-delta – 150 hp)

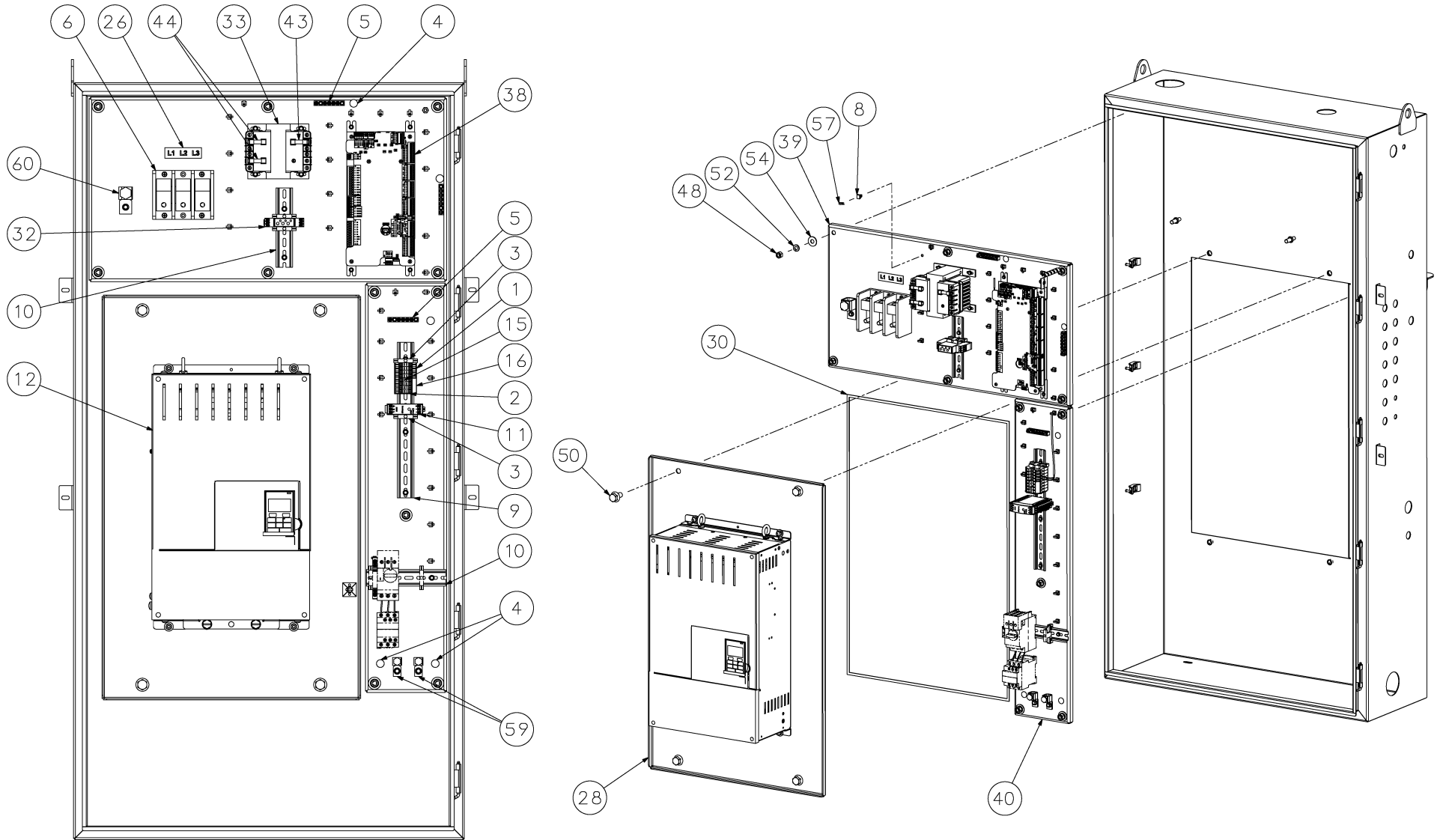
Key	Part number	Qty	Description	Notes
5	WIRE TO/FROM ALL SUPPLIED COMPONENTS PER WIRING DIAGRAM 1003-0763 OR 1003-0618.			
6	ENCLOSURE TO BE NEMA 4/UL TYPE 1 AFTER ASSEMBLY AT SULLAIR.			
7	ALL COMPONENTS SHALL BE LABELED WITH COMPONENT NAMES FROM WIRING DIAGRAM.			
8	FOR AA CONNECTION POINTS, CONNECT THE GROUND WIRE TO THE DOOR STUD AND TO THE GROUNDING BAR ABOVE THE I/O BOARD.			
9	FOR BB CONNECTION POINTS, CONNECT USB DOOR PORT TO THE STS DISPLAY.			
10	REMOVE FINGER GUARD TO INSTALL SHORTING BAR.			

1.39 Control starter (VSD—125 hp, 460V)



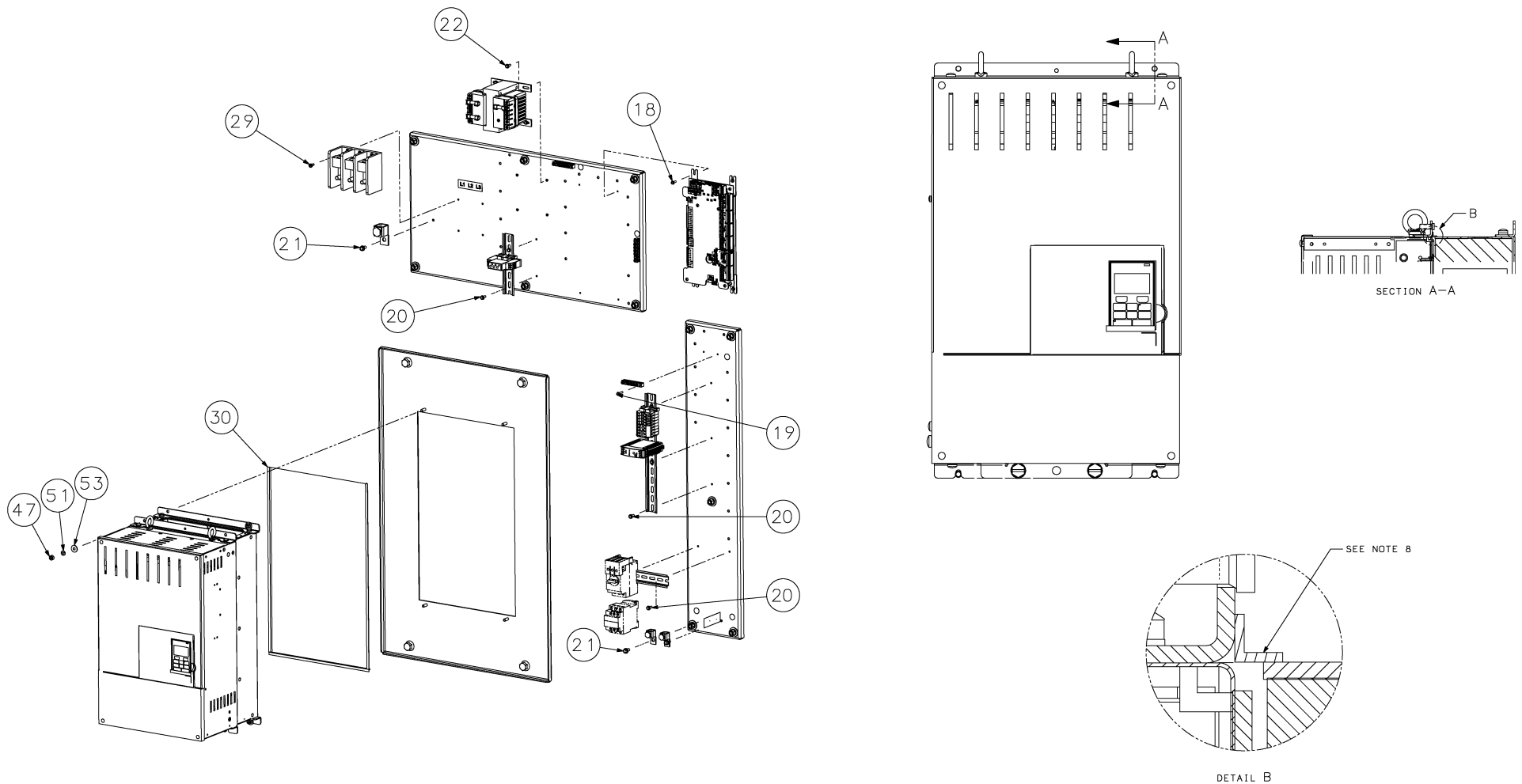
1002-9254 R02 (sh1)

1.39 Control starter (VSD—125 hp, 460V)



1002-9254 R02 (sh2)

1.39 Control starter (VSD—125 hp, 460V)

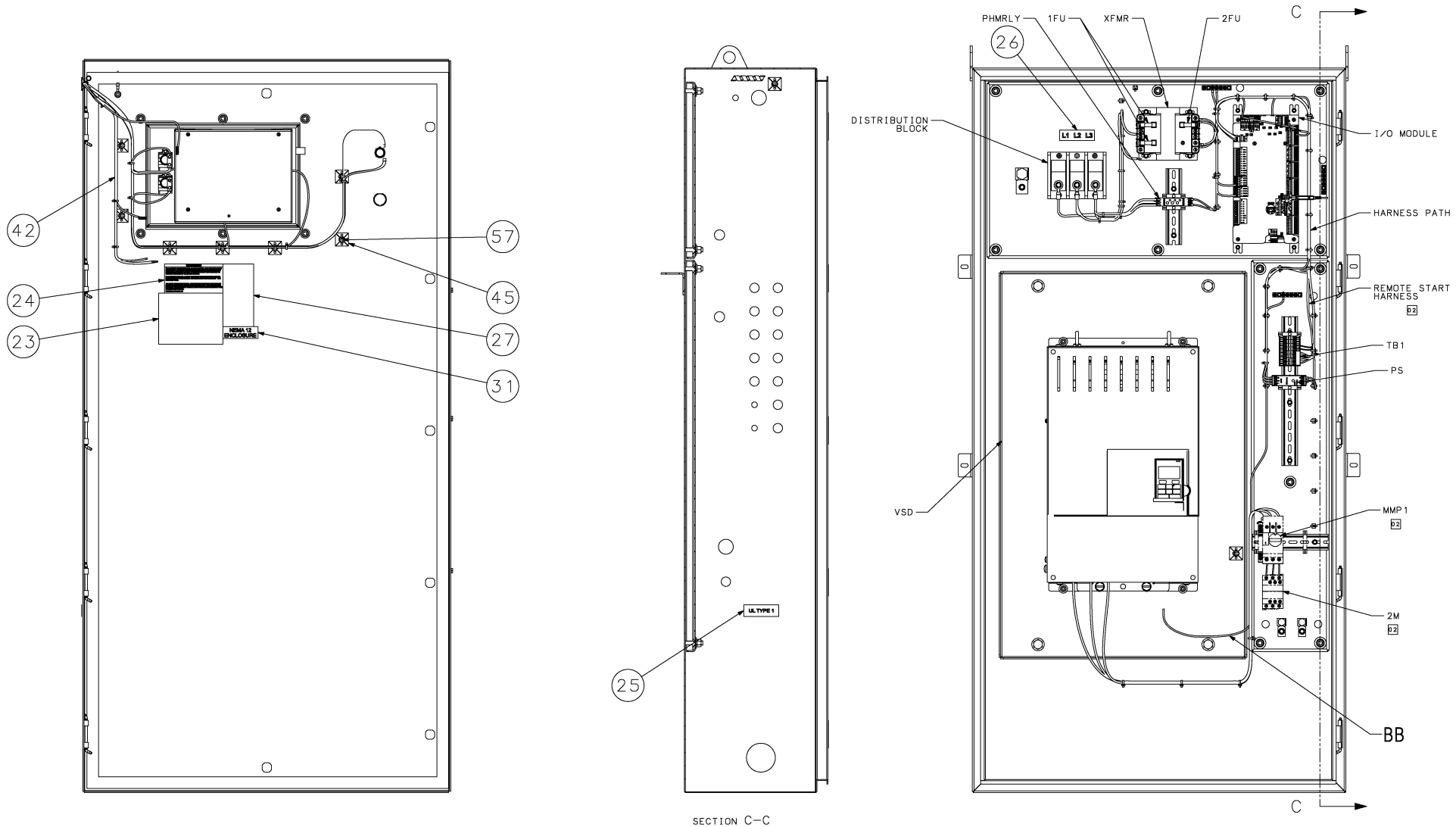


1002-9254 R02 (sh3)



02250231-031 R06
Subject to EAR, ECCN EAR99 and related export control restrictions.

1.39 Control starter (VSD—125 hp, 460V)



1002-9254 R02 (sh4)

1.39 Control starter (VSD—125 hp, 460V)

Key	Part number	Qty	Description	Notes
1	02250057-241	8	BLOCK, TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK, TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK, TERM END STOP C383 CH	
4	02250075-045	6	DECAL, PROTECTIVE EARTH GROUND	
5	02250101-721	3	BAR, GROUNDING 5 POINT	
6	02250145-194	1	BLOCK, POWER DISTRIBUTION 600V	
7	02250207-732	1	CAP, ETHERNET PORT NEMA6	
8	02250214-985	29	CLIP, CABLE TIE PUSH BARB	
9	02250218-324	1	RAIL, DIN RAIL 12.75IN	
10	02250218-671	2	RAIL, DIN RAIL 6.5IN	
11	02250225-306	1	SUPPLY, POWER 24VAC/DC PULS	
12	02250226-044	1	DRIVE, VSD, 460V 165A IP00	
13	02250228-105	3	CLIP, TIE HOLDER	
14	02250232-525	1	RECEIVER, USB	
15	02250241-382	2	LINK, JUMPER 8MM 2 POS	
16	02250241-383	1	MARKER, TAG, BLANK 8MM	
17	02250241-424	1	TERMINAL, RING 5/16 X 14-16 AWG	
18	02250244-437	4	SCREW, TR-TT HEX #8-32 X 1/2"	
19	02250244-438	6	SCREW, TR-TT HEX #8-32 X 3/4"	
20	02250244-439	7	SCREW, TR-TT HEX #10-32 X 1/2"	
21	02250244-441	3	SCREW, TR-TT HEX 1/4-20 X 1/2"	
22	02250244-444	4	SCREW, TR-TT HEX #10-24 X 1/2"	
23	02250246-522	1	DECAL, EATON OVLD RLY SETTINGS	
24	02250246-544	1	DECAL, WARNING CIRCUIT PROTECT	
25	02250246-668	1	DECAL, TYPE 1 ENCLOSURE	
26	02250246-669	1	DECAL, FIELD WIRING INPUT	
27	02250246-671	1	DECAL, FIELD INSTRUCTIONS	
28	02250246-691	1	PLATE, ADAPT DRV FR 10 TO 12	
29	02250247-582	4	SCREW, TR-TT PAN 10-24 X 1/2"	
30	02250248-491	14	SEAL, 1/8 THK X 1/2 WD EPDM	
31	02250250-557	1	DECAL, NEMA 12 ENCLOSURE	
32	02250250-600	1	RELAY, PH MON 208-460VAC	
33	02250261-689	1	TRANSFORMER, 350VA UNIV VOLT HPS	
34	02250266-609	1	SWITCH ASSEMBLY, E-STOP SCH	
35	02250266-727	1	DECAL, ESTOP YL RING 60MM SCH	

1.39 Control starter (VSD—125 hp, 460V)

Key	Part number	Qty	Description	Notes
36	02250266-756	1	SUB ASSEMBLY,MODULAR,GLOBAL CONTROLLER 10"	
37	02250269-819	1	GASKET,GC HMI BEZEL 10"	
38	1000-1223	1	SUB ASSEMBLY,MODULAR,I/O MOD GLOBAL	
39	1003-1770	1	PANEL,SUB VSD TOP LS90-110	
40	1003-6680	1	PANEL,SUB VSD RIGHT LS90-110	
41	1003-7430	1	ENCLOSURE,START LS90/110 VSD	
42	1004-0555	1	SUB ASSEMBLY,MODULAR,LS90/110 VSD HARNESSSES	
43	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
44	250026-644	2	FUSE,CLASS CC 2.0A 600V TD	
45	409796	9	PLATE,TY-RAP MOUNTING	
46	825202-130	3	NUT, HEX PLTD 10-24	
47	825204-226	5	NUT, HEX PLTD 1/4-20	
48	825206-337	11	NUT,HEX PLTD 3/8-16	
49	825908-125	6	NUT, HEX METRIC M8 X 1.25	
50	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
51	837504-062	5	WASHER, SPRLOCK REG 1/4"	
52	837506-094	11	WASHER, SPRLOCK REG 3/8"	
53	838204-071	4	WASHER,PL-B REG PLTD 1/4"	
54	838206-071	11	WASHER,PL-B REG PLTD 3/8"	
55	838406-040	1	WASHER, LOCK EXT TOOTH 3/8"	
56	838808-200	6	WASHER, SPRLOCK METRIC M8	
57	843200-023	38	WRAP, TIE NYLON TY23	
58	848700-038	1	WRAP, SPIRAL WIRE 3/8" (FT)	
59	849215-025	2	LUG, SCRULUG KPA-25 4-1/0	
60	849215-028	1	LUG, SCRULUG KPA-28 1/0-4/0	
61	850215-016	1	WIRE, MTW/AWM 16GA GRN/YEL STR	
62	882708-200	6	WASHER, METRIC FLT THIN 8 X 20	

Drawing notes

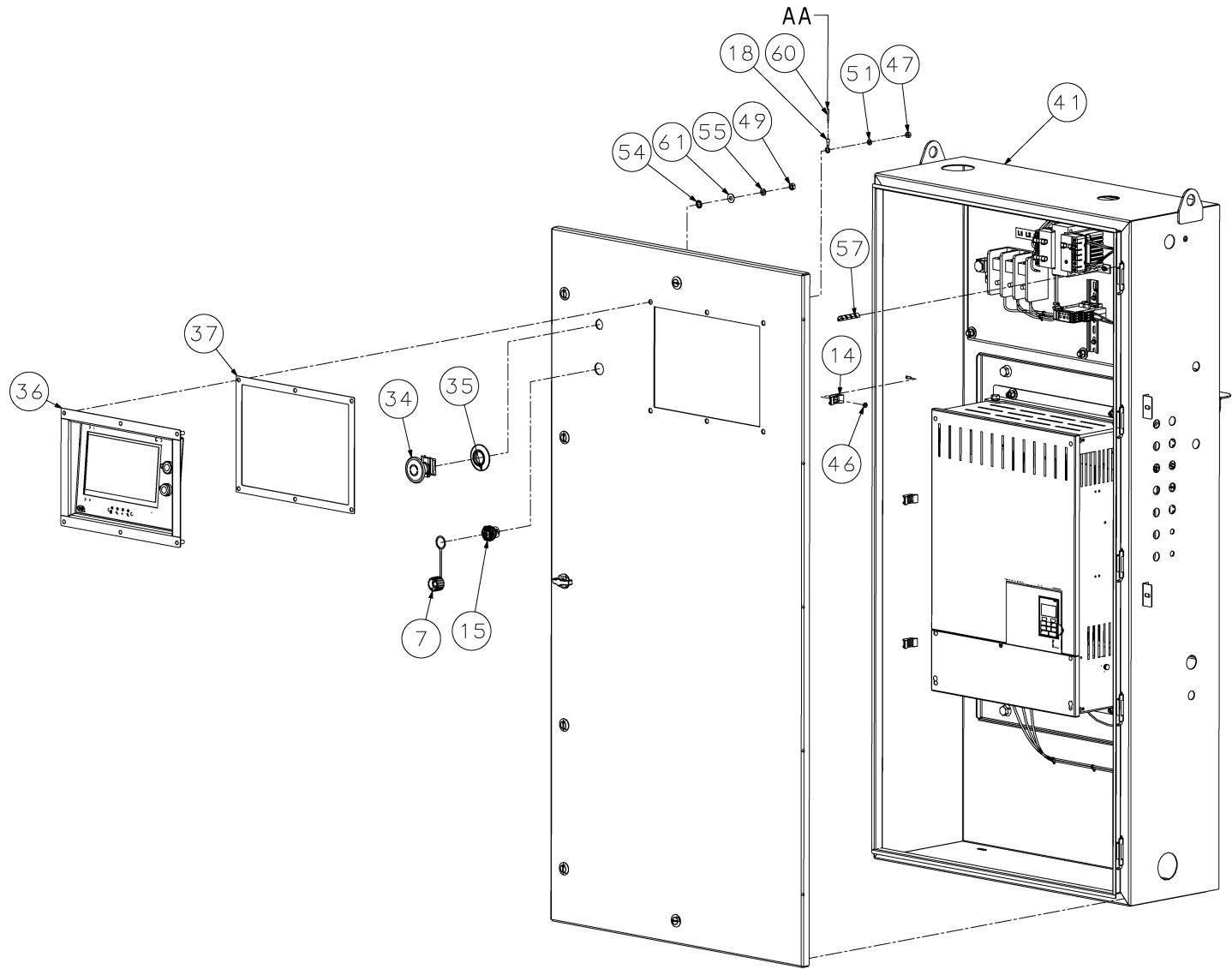
1	MARK/TAG COMPONENT/CONTAINER WITH SULLAIR PART NUMBER AND REVISION.
2	MANUFACTURER: SULLAIR
3	ALL CRITICAL COMPONENTS TO BE UL AND CSA LISTED/RECOGNIZED.
4	PANEL ASSEMBLY SHALL MEET UL 508A.
5	WIRE TO/FROM ALL SUPPLIED COMPONENTS PER WIRING DIAGRAM 1003-9614.
6	ENCLOSURE TO BE NEMA 12/UL TYPE 1 AFTER ASSEMBLY AT SULLAIR.
7	ALL COMPONENTS SHALL BE LABELED WITH COMPONENT NAMES FROM WIRING DIAGRAM.

1.39 Control starter (VSD—125 hp, 460V)

Key	Part number	Qty	Description	Notes
8	REFERENCE DETAIL B FOR GASKET PLACEMENT ON VSD.			
9	FOR AA CONNECTION POINTS, CONNECT THE GROUND WIRE TO THE DOOR STUD AND TO THE GROUNDING BAR ABOVE THE I/O BOARD.			
10	FOR BB CONNECTION POINTS, CONNECT USB DOOR PORT TO THE STS DISPLAY.			

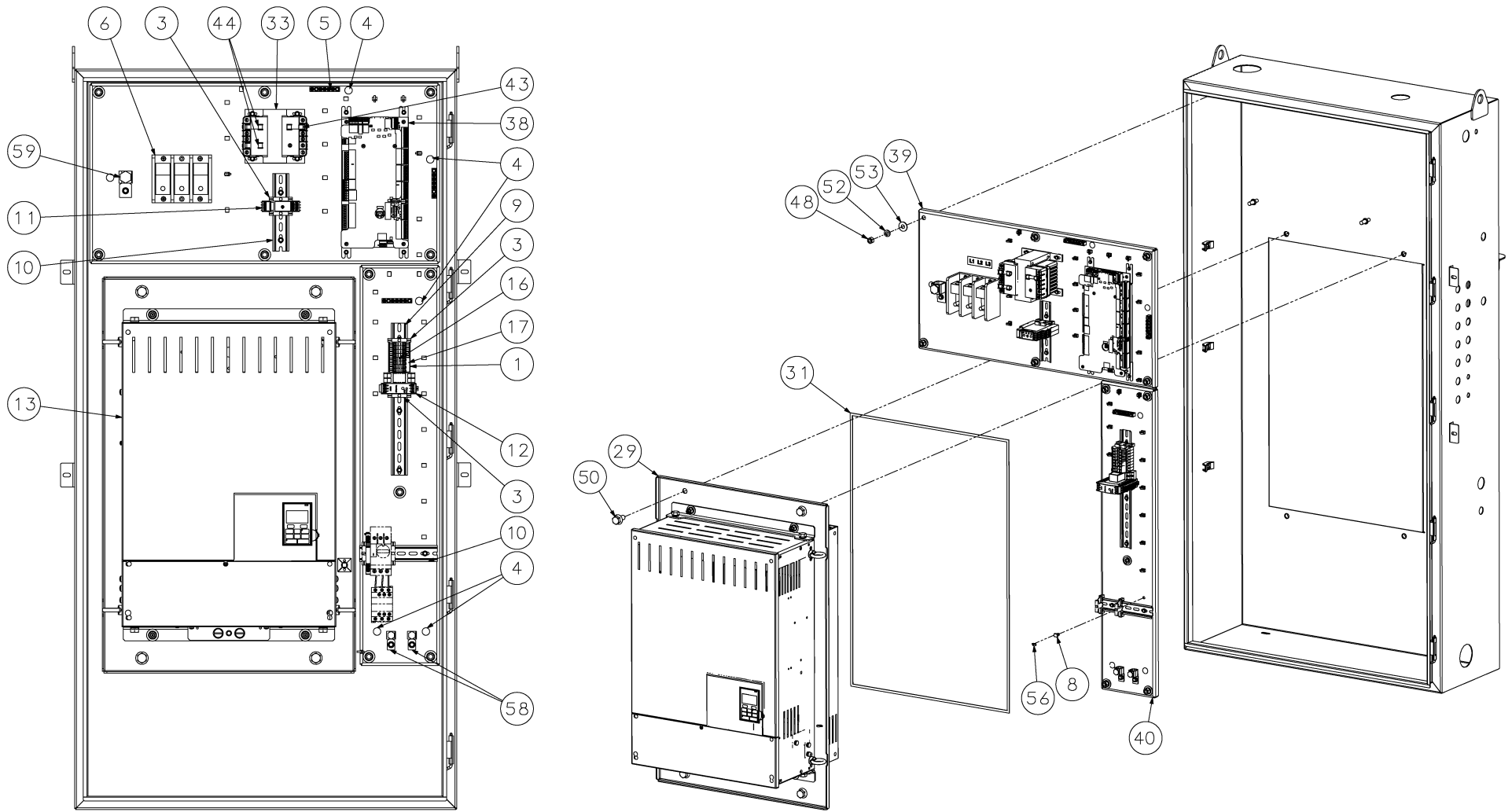
Notes:

1.40 Control starter (VSD—125 hp, 575V)



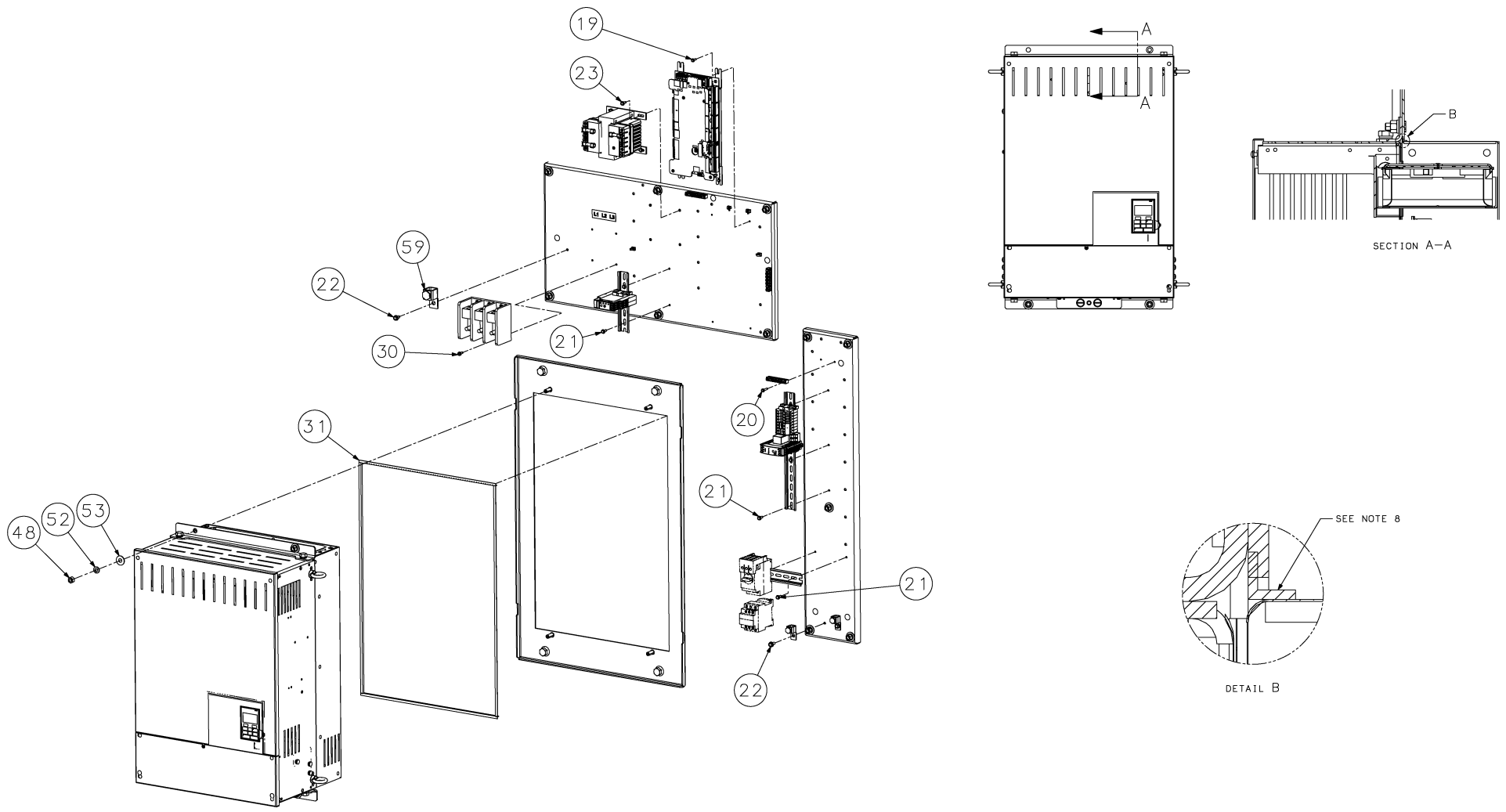
1002-9252 R02 (sh1)

1.40 Control starter (VSD—125 hp, 575V)



1002-9252 R02 (sh2)

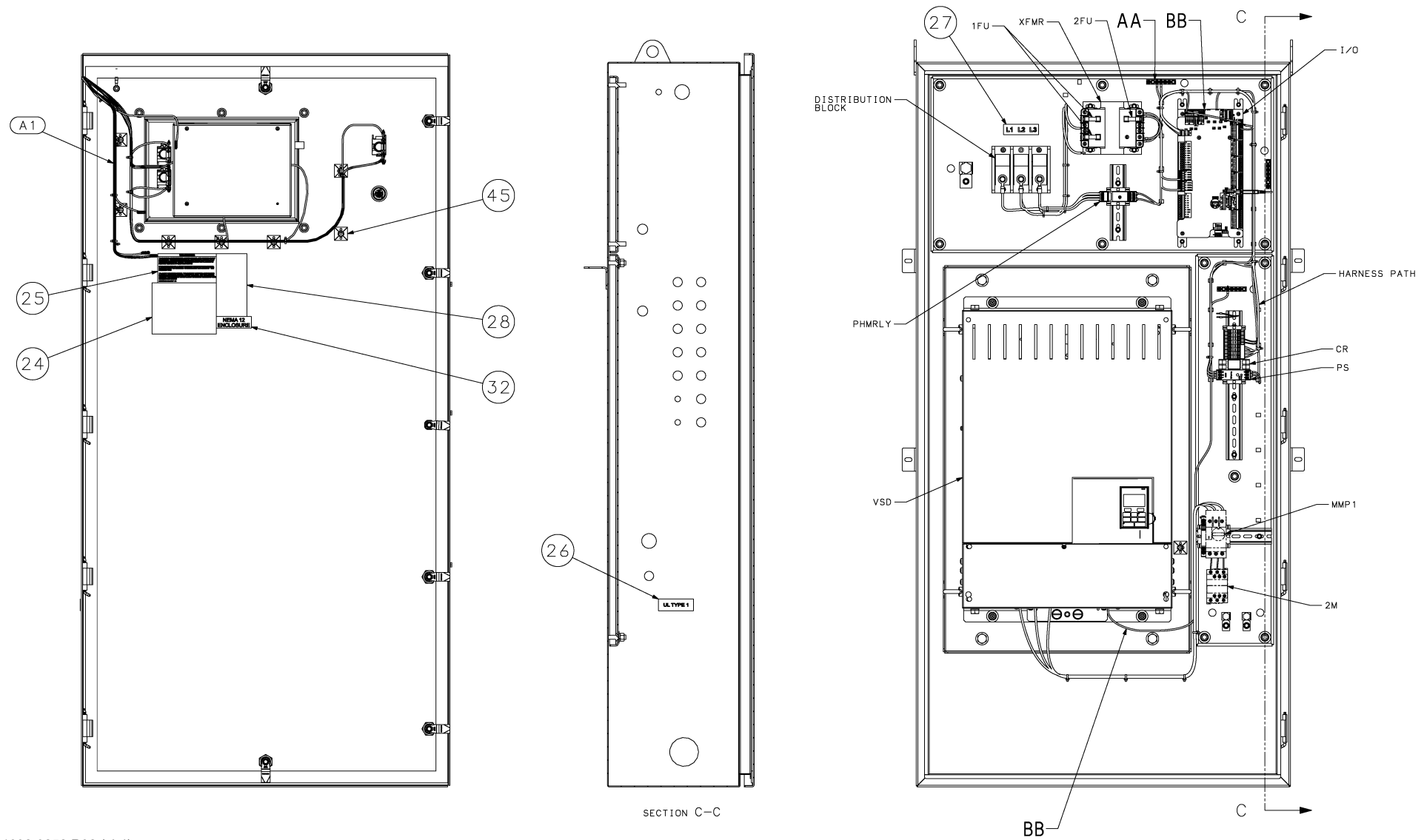
1.40 Control starter (VSD—125 hp, 575V)



1002-9252 R02 (sh3)

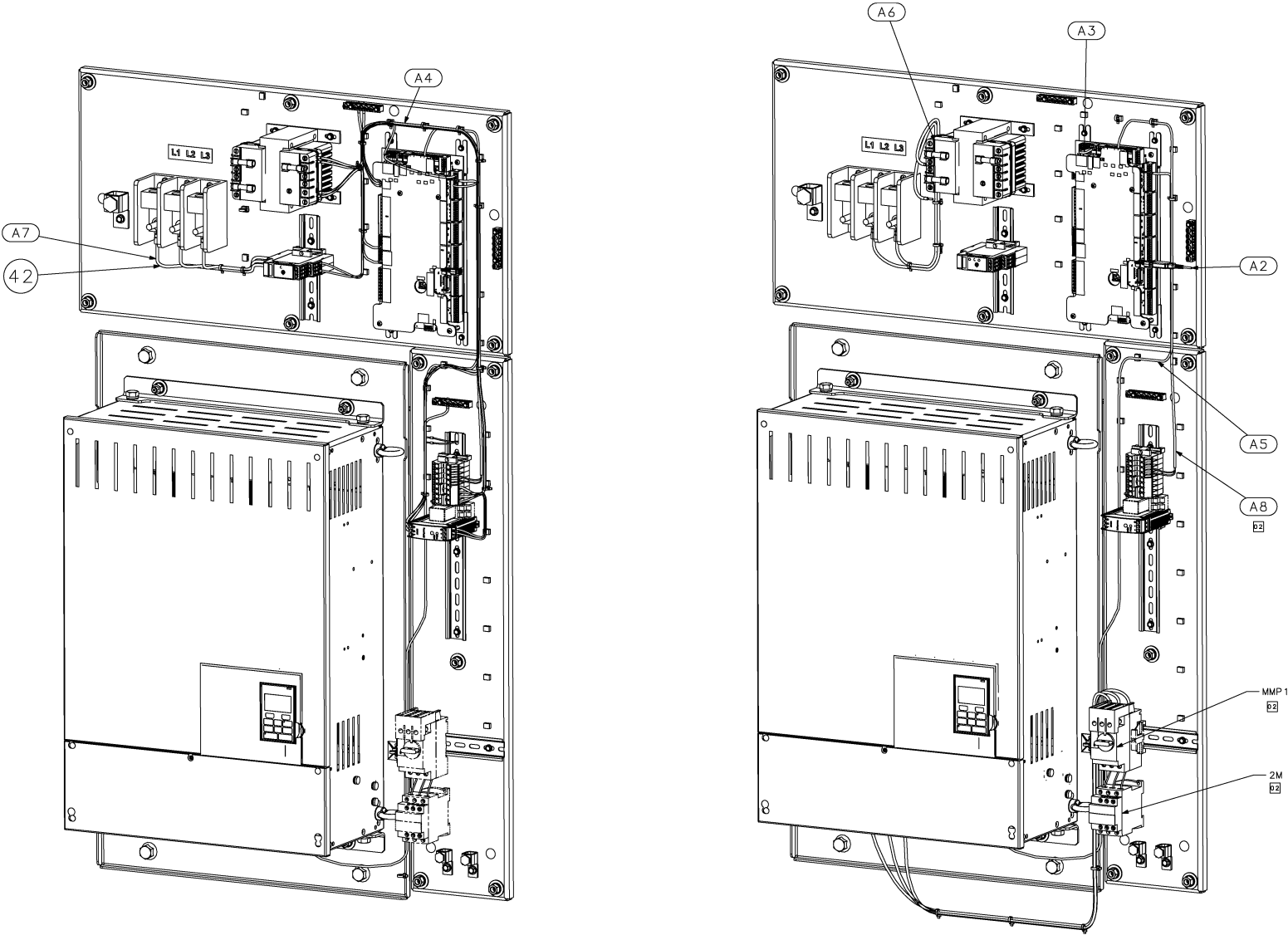


1.40 Control starter (VSD—125 hp, 575V)



1002-9252 R02 (sh4)

1.40 Control starter (VSD—125 hp, 575V)



1002-9252 R02 (sh5)

1.40 Control starter (VSD—125 hp, 575V)

Key	Part number	Qty	Description	Notes
1	02250057-241	8	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250075-045	6	DECAL,PROTECTIVE EARTH GROUND	
5	02250101-721	3	BAR,GROUNDING 5 POINT	
6	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
7	02250207-732	1	CAP,ETHERNET PORT NEMA6	
8	02250214-985	29	CLIP,CABLE TIE PUSH BARB	
9	02250218-324	1	RAIL,DIN RAIL 12.75IN	
10	02250218-671	2	RAIL,DIN RAIL 6.5IN	
11	02250225-305	1	RELAY,OVERLOAD & UND VOLT PM	
12	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
13	02250226-046	1	DRIVE,VSD 575V 145A IP00	
14	02250228-105	3	CLIP,TIE HOLDER	
15	02250232-525	1	RECEIVER,USB	
16	02250241-382	2	LINK,JUMPER 8MM 2 POS	
17	02250241-383	1	MARKER,TAG, BLANK 8MM	
18	02250241-424	1	TERMINAL,RING 5/16 X 14-16 AWG	
19	02250244-437	4	SCREW,TR-TT HEX #8-32 X 1/2"	
20	02250244-438	6	SCREW,TR-TT HEX #8-32 X 3/4"	
21	02250244-439	7	SCREW,TR-TT HEX #10-32 X 1/2"	
22	02250244-441	3	SCREW,TR-TT HEX 1/4-20 X 1/2"	
23	02250244-444	4	SCREW,TR-TT HEX #10-24 X 1/2"	
24	02250246-522	1	DECAL,EATON OVLD RLY SETTINGS	
25	02250246-544	1	DECAL,WARNING CIRCUIT PROTECT	
26	02250246-668	1	DECAL,TYPE 1 ENCLOSURE	
27	02250246-669	1	DECAL,FIELD WIRING INPUT	
28	02250246-671	1	DECAL,FIELD INSTRUCTIONS	
29	02250246-692	1	PLATE,ADAPT DRV FR 11 TO 12	
30	02250247-582	4	SCREW,TR-TT PAN 10-24 X 1/2"	
31	02250248-491	16	SEAL,1/8 THK X 1/2 WD EPDM	
32	02250250-557	1	DECAL,NEMA 12 ENCLOSURE	
33	02250261-689	1	TRANSFORMER,350VA UNIV VOLT HPS	
34	02250266-609	1	SWITCH ASSEMBLY,E-STOP SCH	
35	02250266-727	1	DECAL,ESTOP YL RING 60MM SCH	

1.40 Control starter (VSD—125 hp, 575V)

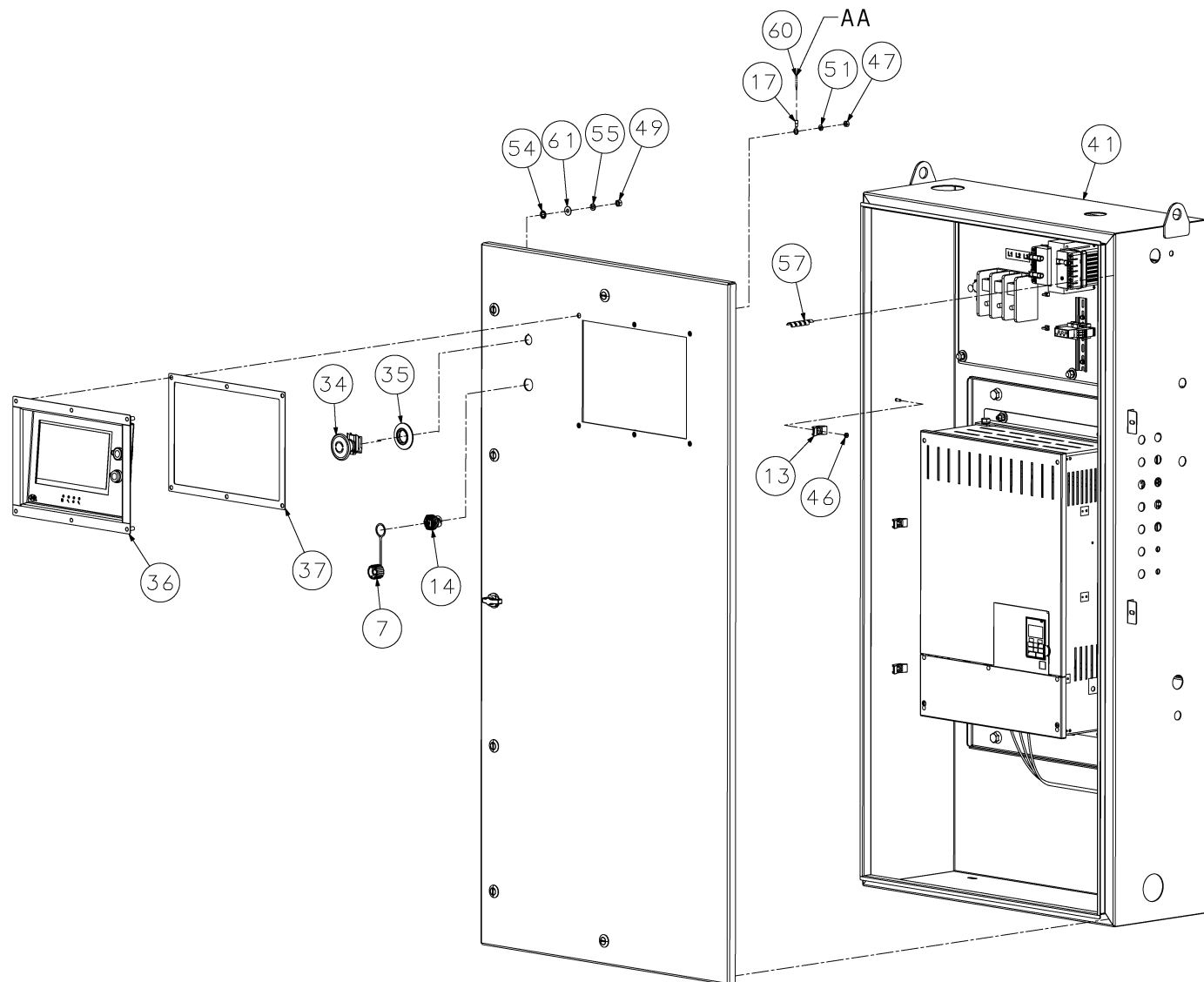
Key	Part number	Qty	Description	Notes
36	02250266-756	1	SUB ASSEMBLY,MODULAR,GLOBAL CONTROLLER 10"	
37	02250269-819	1	GASKET,GC HMI BEZEL 10"	
38	1000-1223	1	SUB ASSEMBLY,MODULAR,I/O MOD GLOBAL	
39	1003-1770	1	PANEL,SUB VSD TOP LS90-110	
40	1003-6680	1	PANEL,SUB VSD RIGHT LS90-110	
41	1003-7430	1	ENCLOSURE,START LS90/110 VSD	
42	1004-0555	1	SUB ASSEMBLY,MODULAR,LS90/110 VSD HARNESSSES	
43	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
44	250026-644	2	FUSE,CLASS CC 2.0A 600V TD	
45	409796	9	PLATE,TY-RAP MOUNTING	
46	825202-130	3	NUT, HEX PLTD 10-24	
47	825204-226	1	NUT, HEX PLTD 1/4-20	
48	825206-337	15	NUT,HEX PLTD 3/8-16	
49	825908-125	6	NUT, HEX METRIC M8 X 1.25	
50	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
51	837504-062	1	WASHER, SPRLOCK REG 1/4"	
52	837506-094	15	WASHER, SPRLOCK REG 3/8"	
53	838206-071	15	WASHER,PL-B REG PLTD 3/8"	
54	838406-040	1	WASHER, LOCK EXT TOOTH 3/8"	
55	838808-200	6	WASHER, SPRLOCK METRIC M8	
56	843200-023	38	WRAP, TIE NYLON TY23	
57	848700-038	1	WRAP, SPIRAL WIRE 3/8" (FT)	
58	849215-025	2	LUG, SCRULUG KPA-25 4-1/0	
59	849215-028	1	LUG, SCRULUG KPA-28 1/0-4/0	
60	850215-016	3	WIRE, MTW/AWM 16GA GRN/YEL STR	
61	882708-200	6	WASHER, METRIC FLT THIN 8 X 20	

Drawing notes

1	MARK/TAG COMPONENT/CONTAINER WITH SULLAIR PART NUMBER AND REVISION.
2	MANUFACTURER: SULLAIR
3	ALL CRITICAL COMPONENTS TO BE UL AND CSA LISTED/RECOGNIZED.
4	PANEL ASSEMBLY SHALL MEET UL 508A.
5	WIRE TO/FROM ALL SUPPLIED COMPONENTS PER WIRING DIAGRAM 1003-9614.
6	ENCLOSURE TO BE NEMA 12/UL TYPE 1 AFTER ASSEMBLY AT SULLAIR.
7	ALL COMPONENTS SHALL BE LABELED WITH COMPONENT NAMES FROM WIRING DIAGRAM.
8	REFERENCE DETAIL B FOR GASKET PLACEMENT ON VSD.

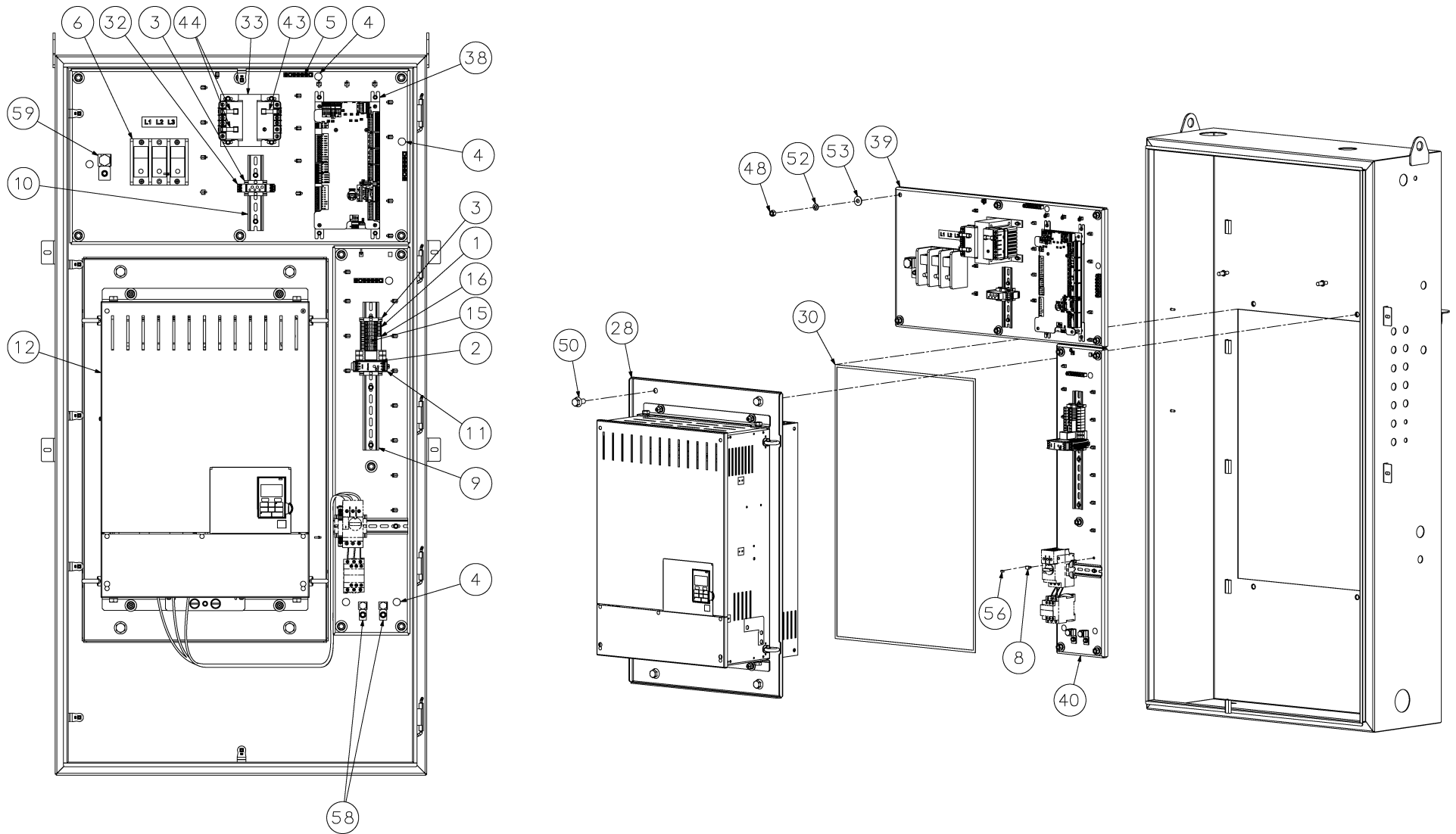
1.40 Control starter (VSD—125 hp, 575V)

Key	Part number	Qty	Description	Notes
9	FOR AA CONNECTION POINTS, CONNECT THE GROUND WIRE TO THE DOOR STUD AND TO THE GROUNDING BAR ABOVE THE I/O BOARD.			
10	FOR BB CONNECTION POINTS, CONNECT USB DOOR PORT TO THE STS DISPLAY.			
A1	STS 2.0 HARNESS			
A2	USB CABLE			
A3	E-STOP JUMPER			
A4	POWER HARNESS			
A5	VSD HARNESS			
A6	TRANSFORMER HARNESS			
A7	PHASE MONITOR HARNESS			
A8	REMOTE START HARNESS			

1.41 Control starter (VSD—150 hp, 460V)

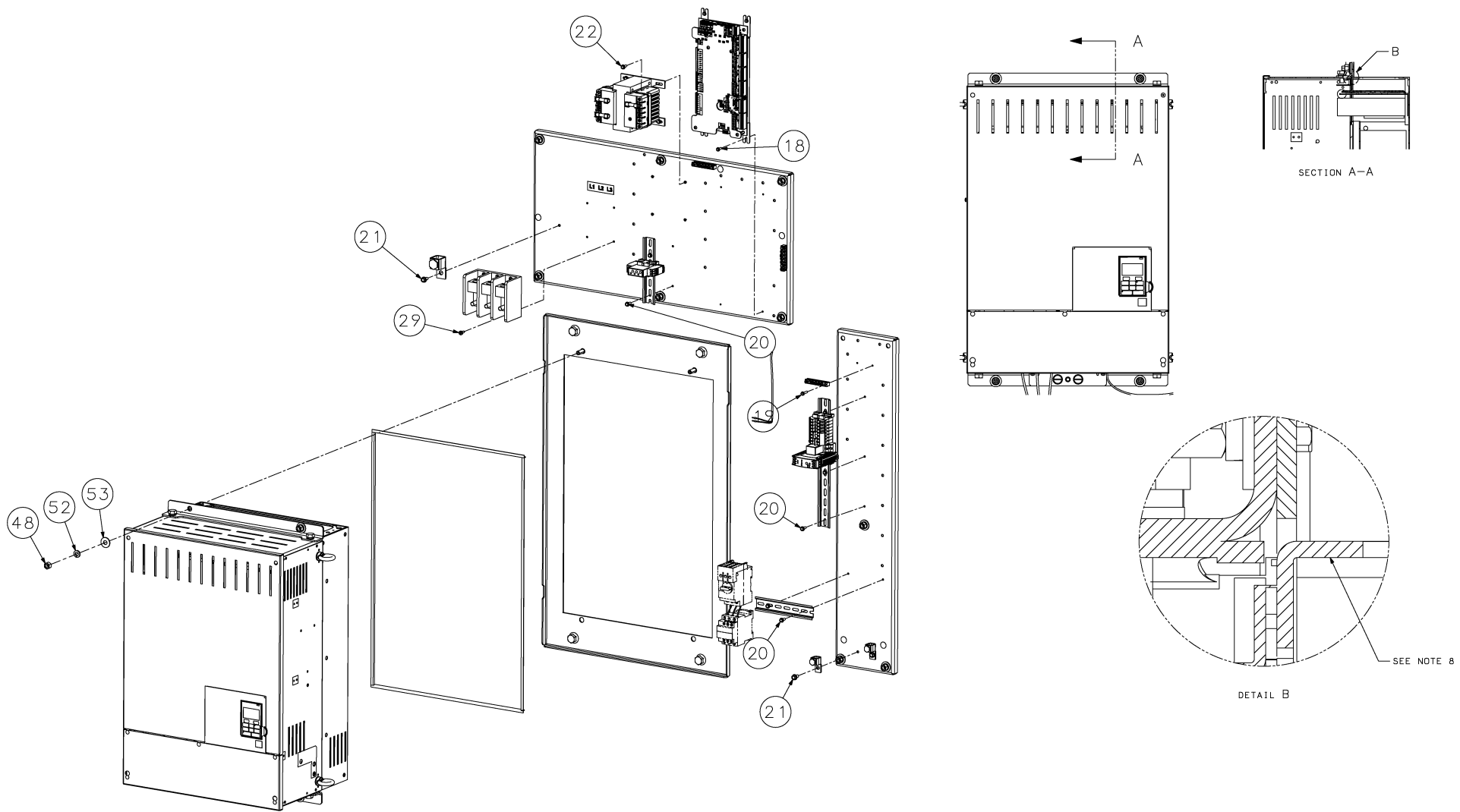
1002-9253 R02 (sh1)

1.41 Control starter (VSD—150 hp, 460V)



1002-9253 R02 (sh2)

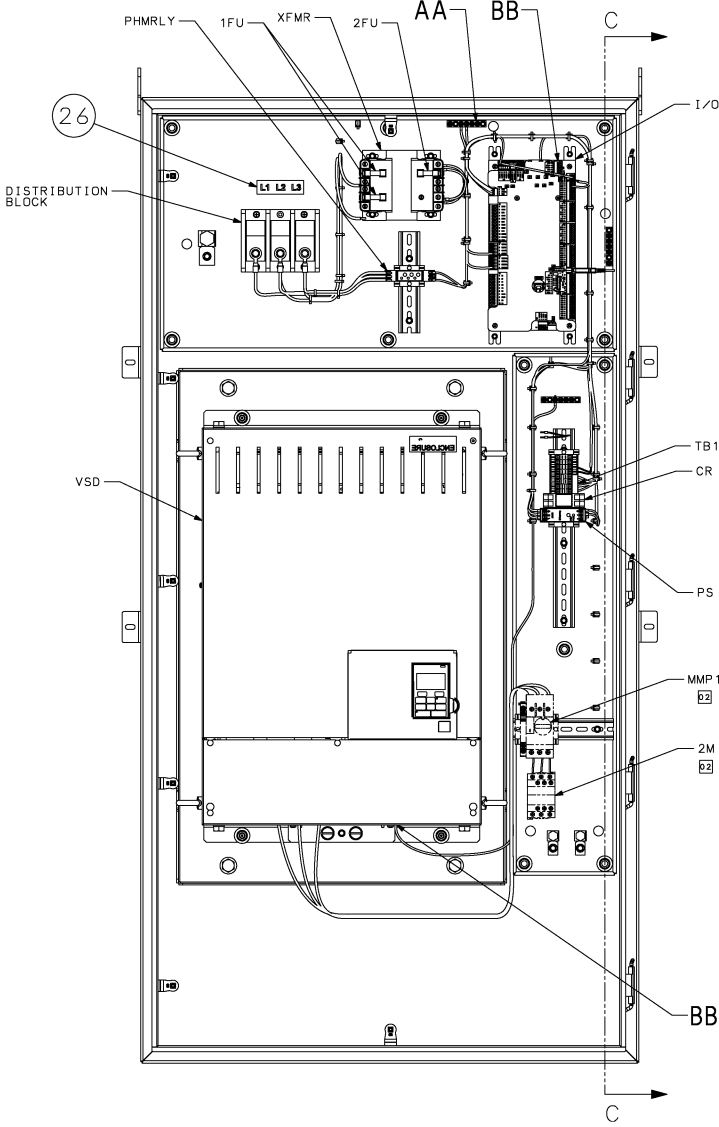
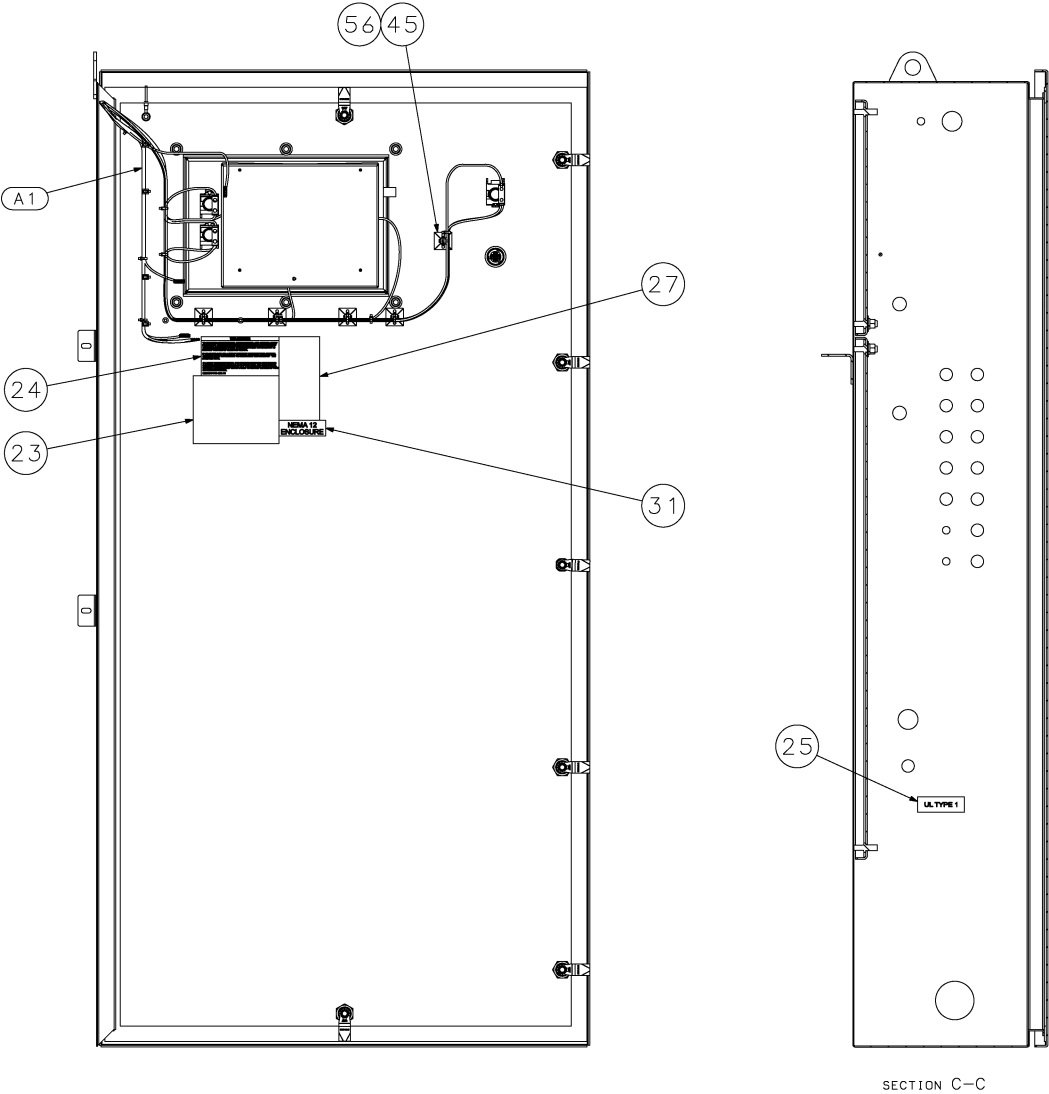
1.41 Control starter (VSD—150 hp, 460V)



1002-9253 R02 (sh3)



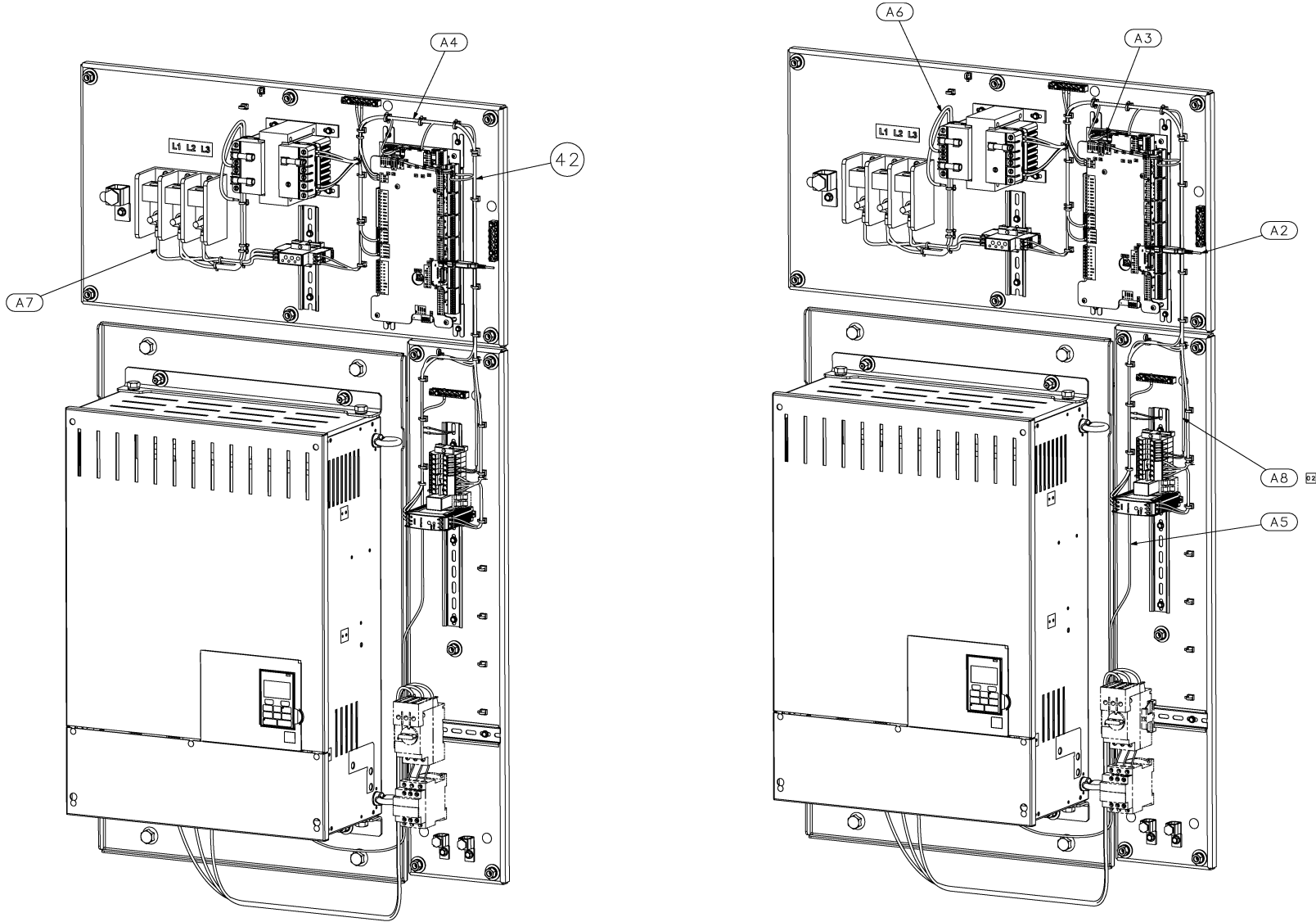
1.41 Control starter (VSD—150 hp, 460V)



1002-9253 R02 (sh4)



1.41 Control starter (VSD—150 hp, 460V)



1002-9253 R02 (sh5)

1.41 Control starter (VSD—150 hp, 460V)

Key	Part number	Qty	Description	Notes
1	02250057-241	8	BLOCK,TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK,TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK,TERM END STOP C383 CH	
4	02250075-045	6	DECAL,PROTECTIVE EARTH GROUND	
5	02250101-721	3	BAR,GROUNDING 5 POINT	
6	02250145-194	1	BLOCK,POWER DISTRIBUTION 600V	
7	02250207-732	1	CAP,ETHERNET PORT NEMA6	
8	02250214-985	29	CLIP,CABLE TIE PUSH BARB	
9	02250218-324	1	RAIL,DIN RAIL 12.75IN	
10	02250218-671	2	RAIL,DIN RAIL 6.5IN	
11	02250225-306	1	SUPPLY,POWER 24VAC/DC PULS	
12	02250226-045	1	DRIVE,VSD 460V 208A IP00	
13	02250228-105	3	CLIP,TIE HOLDER	
14	02250232-525	1	RECEIVER,USB	
15	02250241-382	2	LINK,JUMPER 8MM 2 POS	
16	02250241-383	1	MARKER,TAG, BLANK 8MM	
17	02250241-424	1	TERMINAL,RING 5/16 X 14-16 AWG	
18	02250244-437	4	SCREW,TR-TT HEX #8-32 X 1/2"	
19	02250244-438	6	SCREW,TR-TT HEX #8-32 X 3/4"	
20	02250244-439	7	SCREW,TR-TT HEX #10-32 X 1/2"	
21	02250244-441	3	SCREW,TR-TT HEX 1/4-20 X 1/2"	
22	02250244-444	4	SCREW,TR-TT HEX #10-24 X 1/2"	
23	02250246-522	1	DECAL,EATON OVLD RLY SETTINGS	
24	02250246-544	1	DECAL,WARNING CIRCUIT PROTECT	
25	02250246-668	1	DECAL,TYPE 1 ENCLOSURE	
26	02250246-669	1	DECAL,FIELD WIRING INPUT	
27	02250246-671	1	DECAL,FIELD INSTRUCTIONS	
28	02250246-692	1	PLATE,ADAPT DRV FR 11 TO 12	
29	02250247-582	4	SCREW,TR-TT PAN 10-24 X 1/2"	
30	02250248-491	16	SEAL,1/8 THK X 1/2 WD EPDM	FEET
31	02250250-557	1	DECAL,NEMA 12 ENCLOSURE	
32	02250250-600	1	RELAY,PH MON 208-460VAC	

1.41 Control starter (VSD—150 hp, 460V)

Key	Part number	Qty	Description	Notes
33	02250261-689	1	TRANSFORMER,350VA UNIV VOLT HPS	
34	02250266-609	1	SWITCH ASSEMBLY,E-STOP SCH	
35	02250266-727	1	DECAL,ESTOP YL RING 60MM SCH	
36	02250266-756	1	SUB ASSEMBLY,MODULAR,GLOBAL CONTROLLER 10"	
37	02250269-819	1	GASKET,GC HMI BEZEL 10"	
38	1000-1223	1	SUB ASSEMBLY,MODULAR,I/O MOD GLOBAL	
39	1003-1770	1	PANEL,SUB VSD TOP LS90-110	
40	1003-6680	1	PANEL,SUB VSD RIGHT LS90-110	
41	1003-7430	1	ENCLOSURE,START LS90/110 VSD	
42	1004-0555	1	SUB ASSEMBLY,MODULAR,LS90/110 VSD HARNESSSES	
43	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
44	250026-644	2	FUSE,CLASS CC 2.0A 600V TD	
45	409796	8	PLATE,TY-RAP MOUNTING	
46	825202-130	3	NUT, HEX PLTD 10-24	
47	825204-226	1	NUT, HEX PLTD 1/4-20	
48	825206-337	15	NUT,HEX PLTD 3/8-16	
49	825908-125	6	NUT, HEX METRIC M8 X 1.25	
50	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
51	837504-062	1	WASHER, SPRLOCK REG 1/4"	
52	837506-094	15	WASHER, SPRLOCK REG 3/8"	
53	838206-071	15	WASHER,PL-B REG PLTD 3/8"	
54	838406-040	1	WASHER, LOCK EXT TOOTH 3/8"	
55	838808-200	6	WASHER, SPRLOCK METRIC M8	
56	843200-023	36	WRAP, TIE NYLON TY23	
57	848700-038	1	WRAP, SPIRAL WIRE 3/8" (FT)	FEET
58	849215-025	2	LUG, SCRULUG KPA-25 4-1/0	
59	849215-028	1	LUG, SCRULUG KPA-28 1/0-4/0	
60	850215-016	1	WIRE, MTW/AWM 16GA GRN/YEL STR	
61	882708-200	6	WASHER, METRIC FLT THIN 8 X 20	

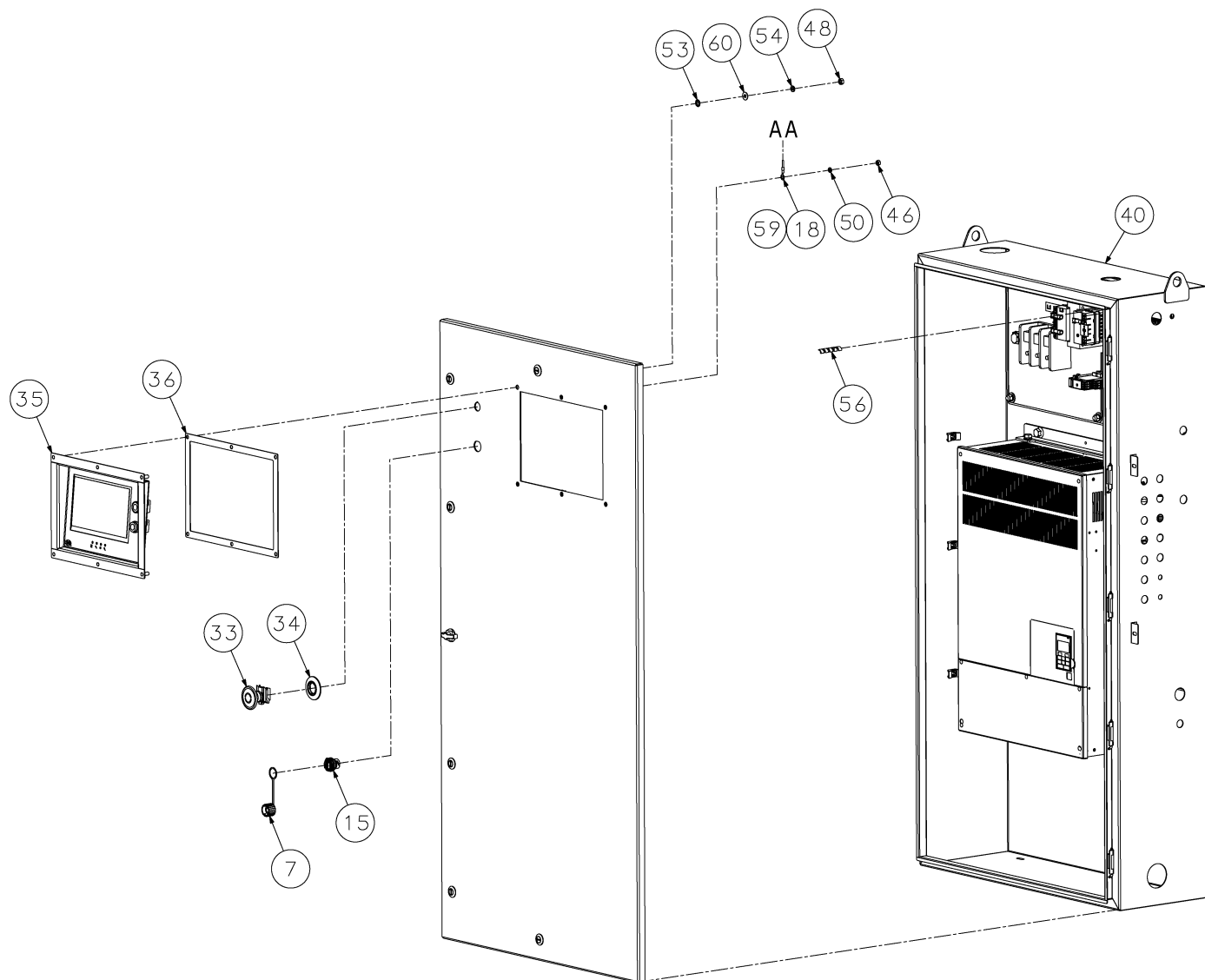
Drawing notes

1	MARK/TAG COMPONENT/CONTAINER WITH SULLAIR PART NUMBER AND REVISION.
2	MANUFACTURER: SULLAIR

1.41 Control starter (VSD—150 hp, 460V)

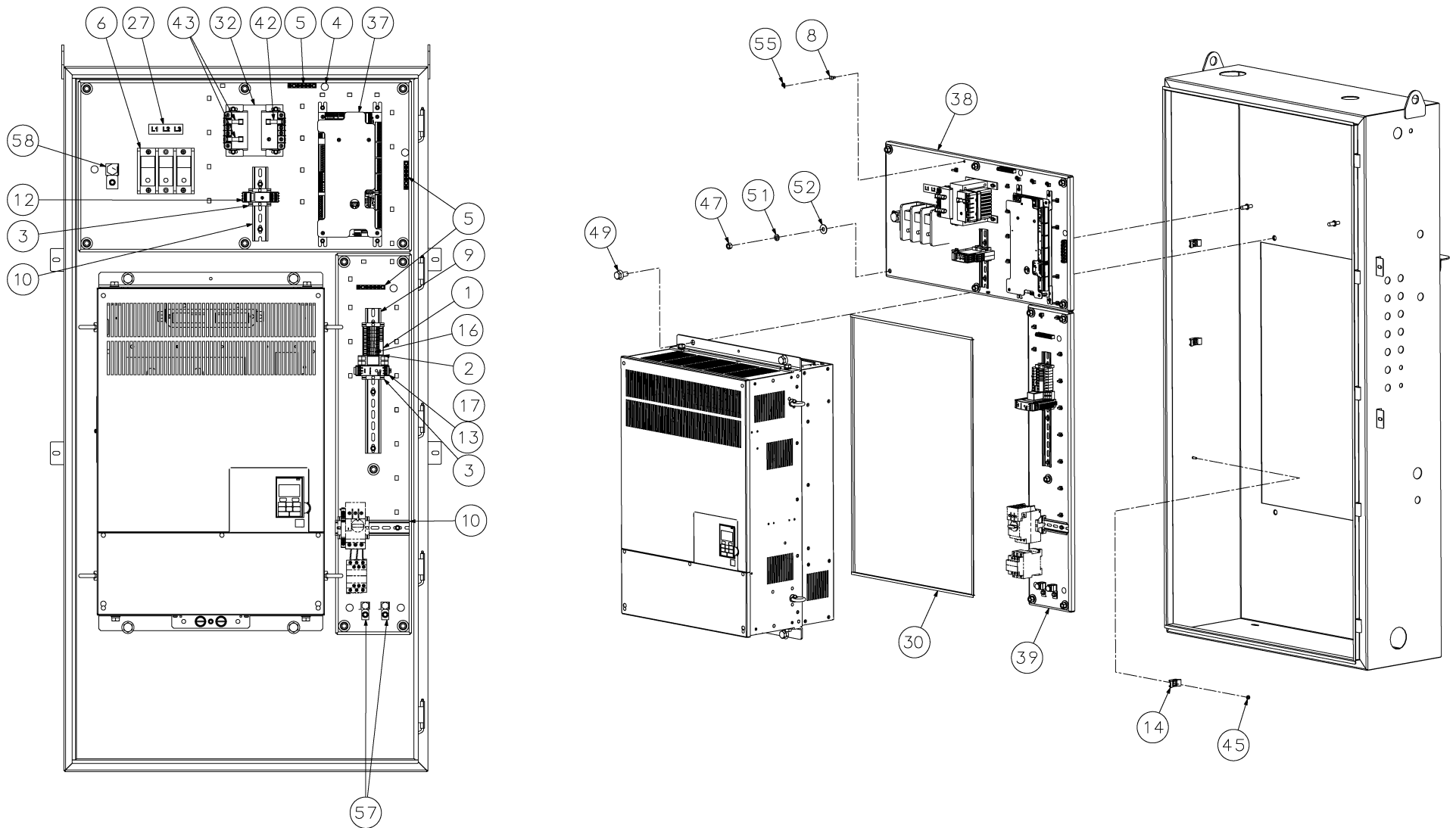
Key	Part number	Qty	Description	Notes
3	ALL CRITICAL COMPONENTS TO BE UL AND CSA LISTED/RECOGNIZED.			
4	PANEL ASSEMBLY SHALL MEET UL 508A.			
5	WIRE TO/FROM ALL SUPPLIED COMPONENTS PER WIRING DIAGRAM 1003-9614.			
6	ENCLOSURE TO BE NEMA 12/UL TYPE 1 AFTER ASSEMBLY AT SULLAIR.			
7	ALL COMPONENTS SHALL BE LABELED WITH COMPONENT NAMES FROM WIRING DIAGRAM.			
8	REFERENCE DETAIL B FOR GASKET PLACEMENT ON VSD.			
9	FOR AA CONNECTION POINTS, CONNECT THE GROUND WIRE TO THE DOOR STUD AND TO THE GROUNDING BAR ABOVE THE I/O BOARD.			
10	FOR BB CONNECTION POINTS, CONNECT USB DOOR PORT TO THE STS DISPLAY.			
A1	STS 2.0 HARNESS			
A2	USB CABLE			
A3	E-STOP JUMPER			
A4	POWER HARNESS			
A5	VSD HARNESS			
A6	TRANSFORMER HARNESS			
A7	PHASE MONITOR HARNESS			
A8	REMOTE START HARNESS			

1.42 Control starter (VSD—150 hp, 575V)



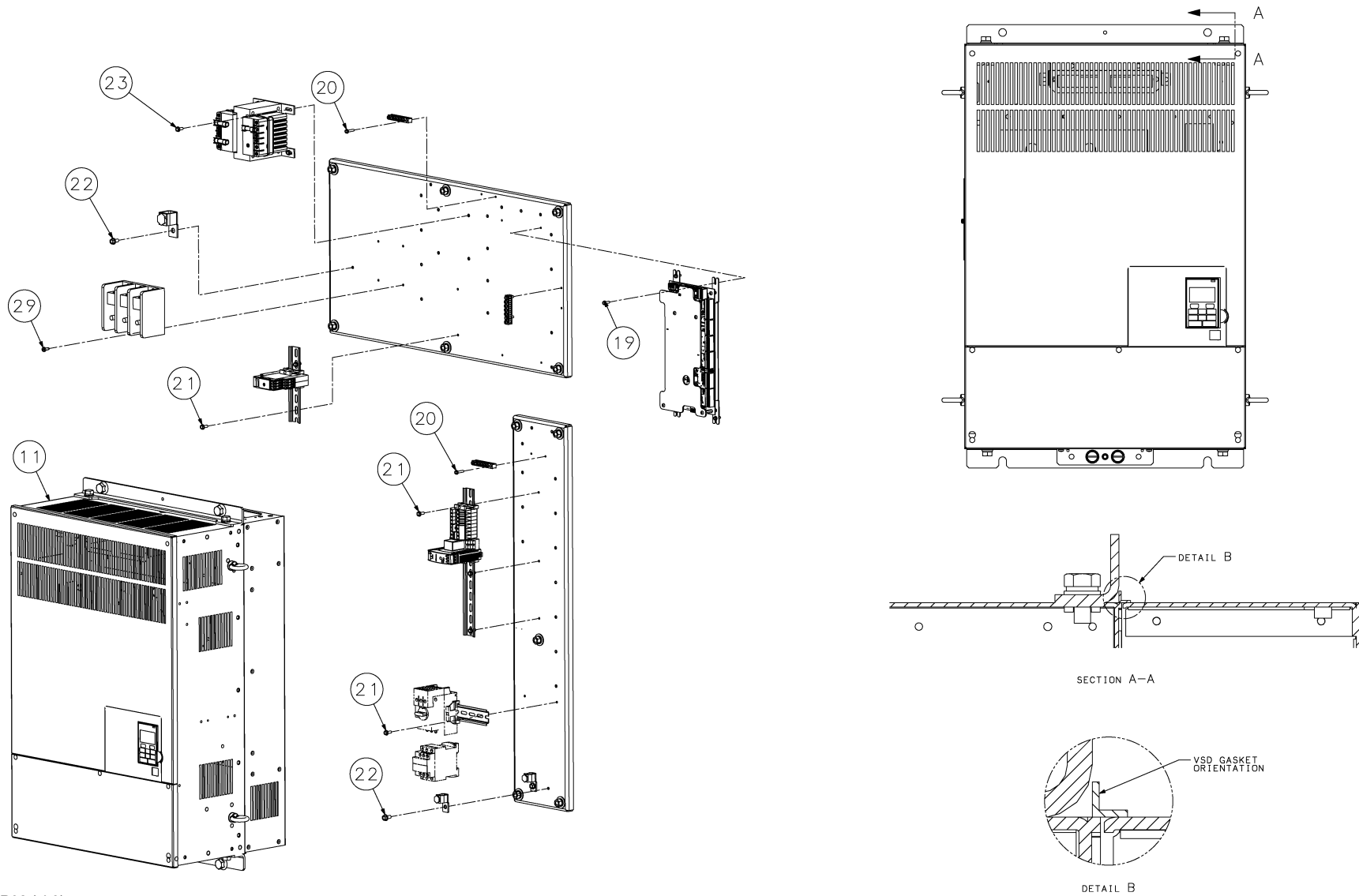
1002-9251 R02 (sh1)

1.42 Control starter (VSD—150 hp, 575V)



1002-9251 R02 (sh2)

1.42 Control starter (VSD—150 hp, 575V)



1002-9251 R02 (sh3)

Technical drawing of the interior of a safe. The drawing shows a rectangular safe with a door on the right. The interior features a central compartment with a label that reads "NEW 12 INCH CUBIC". Various components are labeled with circled numbers: 24 points to the left door edge, 25 points to the central compartment, 26 points to the right door edge, 28 points to the central compartment, 31 points to the central compartment, 41 points to the top left corner, 44 points to the top right corner, and 55 points to the top right corner. The door on the right has a handle and a lock mechanism.



127

1.42 Control starter (VSD—150 hp, 575V)

Key	Part number	Qty	Description	Notes
1	02250057-241	8	BLOCK, TERMINAL 45A 600V IEC	
2	02250057-244	1	BLOCK, TERM END PLATE RK610 CH	
3	02250057-245	4	BLOCK, TERM END STOP C383 CH	
4	02250075-045	6	DECAL, PROTECTIVE EARTH GROUND	
5	02250101-721	3	BAR, GROUNDING 5 POINT	
6	02250145-194	1	BLOCK, POWER DISTRIBUTION 600V	
7	02250207-732	1	CAP, ETHERNET PORT NEMA6	
8	02250214-985	29	CLIP, CABLE TIE PUSH BARB	
9	02250218-324	1	RAIL, DIN RAIL 12.75IN	
10	02250218-671	2	RAIL, DIN RAIL 6.5IN	
11	02250222-664	1	DRIVE, VSD 575V 192A IP00	
12	02250225-305	1	RELAY, OVERLOAD & UND VOLT PM	
13	02250225-306	1	SUPPLY, POWER 24VAC/DC PULS	
14	02250228-105	3	CLIP, TIE HOLDER	
15	02250232-525	1	RECEIVER, USB	
16	02250241-382	2	LINK, JUMPER 8MM 2 POS	
17	02250241-383	1	MARKER, TAG, BLANK 8MM	
18	02250241-424	1	TERMINAL, RING 5/16 X 14-16 AWG	
19	02250244-437	4	SCREW, TR-TT HEX #8-32 X 1/2"	
20	02250244-438	6	SCREW, TR-TT HEX #8-32 X 3/4"	
21	02250244-439	7	SCREW, TR-TT HEX #10-32 X 1/2"	
22	02250244-441	3	SCREW, TR-TT HEX 1/4-20 X 1/2"	
23	02250244-444	4	SCREW, TR-TT HEX #10-24 X 1/2"	
24	02250246-522	1	DECAL, EATON OVLD RLY SETTINGS	
25	02250246-544	1	DECAL, WARNING CIRCUIT PROTECT	
26	02250246-668	1	DECAL, TYPE 1 ENCLOSURE	
27	02250246-669	1	DECAL, FIELD WIRING INPUT	
28	02250246-671	1	DECAL, FIELD INSTRUCTIONS	
29	02250247-582	4	SCREW, TR-TT PAN 10-24 X 1/2"	
30	02250248-491	9	SEAL, 1/8 THK X 1/2 WD EPDM	FEET
31	02250250-557	1	DECAL, NEMA 12 ENCLOSURE	
32	02250261-689	1	TRANSFORMER, 350VA UNIV VOLT HPS	
33	02250266-609	1	SWITCH ASSEMBLY, E-STOP SCH	
34	02250266-727	1	DECAL, ESTOP YL RING 60MM SCH	
35	02250266-756	1	SUB ASSEMBLY, MODULAR, GLOBAL CONTROLLER 10"	

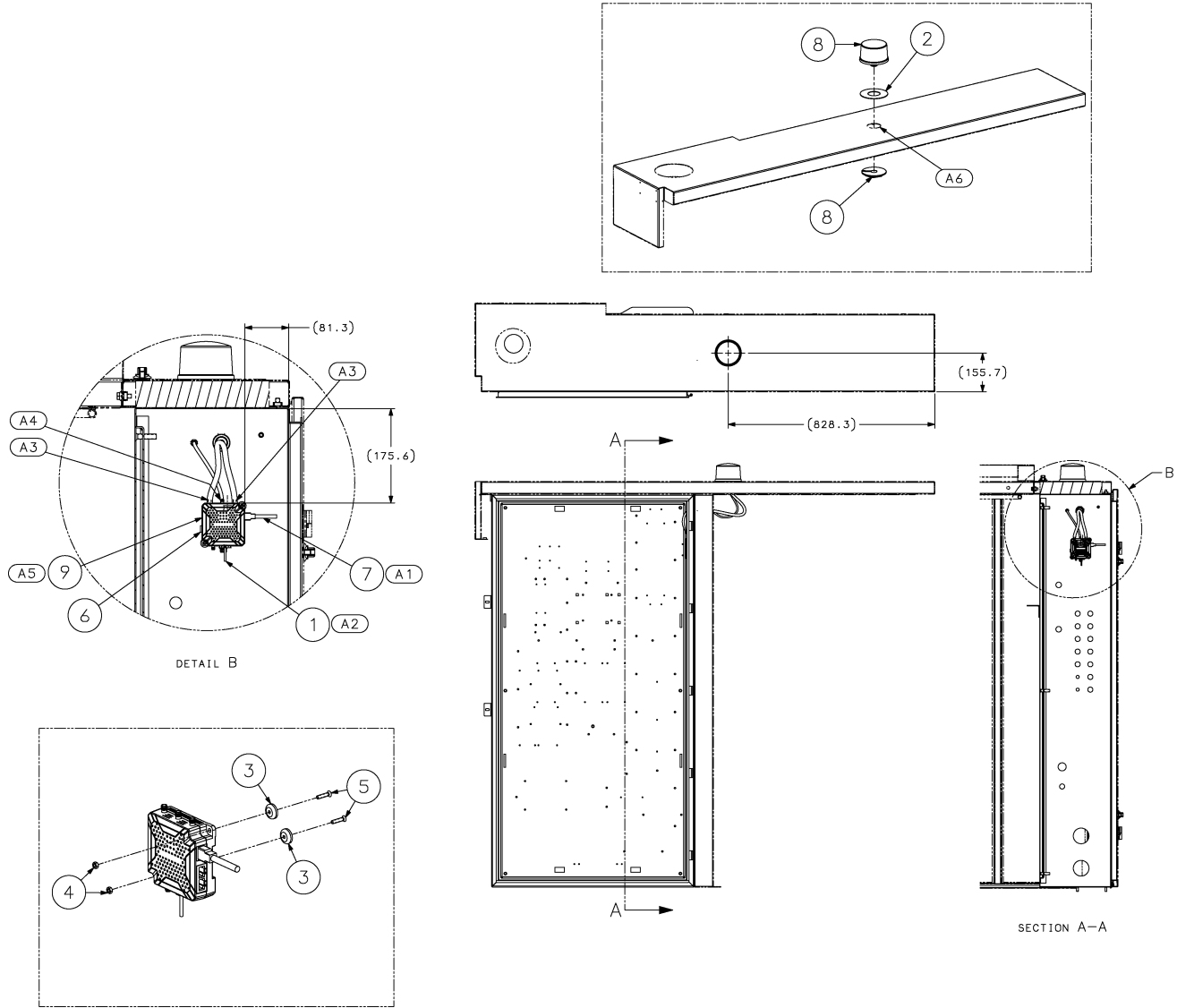
1.42 Control starter (VSD—150 hp, 575V)

Key	Part number	Qty	Description	Notes
36	02250269-819	1	GASKET,GC HMI BEZEL 10"	
37	1000-1223	1	SUB ASSEMBLY,MODULAR,I/O MOD GLOBAL	
38	1003-1770	1	PANEL,SUB VSD TOP LS90-110	
39	1003-6680	1	PANEL,SUB VSD RIGHT LS90-110	
40	1003-7430	1	ENCLOSURE,START LS90/110 VSD	
41	1004-0555	1	SUB ASSEMBLY,MODULAR,LS90/110 VSD HARNESSES	
42	250019-761	1	FUSE, LIMITRON KTK-R 5.00	
43	250026-644	2	FUSE,CLASS CC 2.0A 600V TD	
44	409796	9	PLATE,TY-RAP MOUNTING	
45	825202-130	3	NUT, HEX PLTD 10-24	
46	825204-226	1	NUT, HEX PLTD 1/4-20	
47	825206-337	11	NUT,HEX PLTD 3/8-16	
48	825908-125	6	NUT, HEX METRIC M8 X 1.25	
49	829708-100	4	SCREW, HX SER WASH 1/2 X 1"	
50	837504-062	1	WASHER, SPRLOCK REG 1/4"	
51	837506-094	11	WASHER, SPRLOCK REG 3/8"	
52	838206-071	11	WASHER,PL-B REG PLTD 3/8"	
53	838406-040	1	WASHER, LOCK EXT TOOTH 3/8"	
54	838808-200	6	WASHER, SPRLOCK METRIC M8	
55	843200-023	38	WRAP, TIE NYLON TY23	
56	848700-038	1	WRAP, SPIRAL WIRE 3/8" (FT)	FEET
57	849215-025	2	LUG, SCRULUG KPA-25 4-1/0	
58	849215-028	1	LUG, SCRULUG KPA-28 1/0-4/0	
59	850215-016	3	WIRE, MTW/AWM 16GA GRN/YEL STR	FEET
60	882708-200	6	WASHER, METRIC FLT THIN 8 X 20	

Drawing notes

1	MARK/TAG COMPONENT/CONTAINER WITH SULLAIR PART NUMBER AND REVISION.
2	MANUFACTURER: SULLAIR
3	ALL CRITICAL COMPONENTS TO BE UL AND CSA LISTED/RECOGNIZED.
4	PANEL ASSEMBLY SHALL MEET UL 508A.
5	WIRE TO/FROM ALL SUPPLIED COMPONENTS PER WIRING DIAGRAM 1003-9614.
6	ENCLOSURE TO BE NEMA 12/UL TYPE 1 AFTER ASSEMBLY AT SULLAIR.
7	ALL COMPONENTS SHALL BE LABELED WITH COMPONENT NAMES FROM WIRING DIAGRAM.
8	FOR AA CONNECTION POINTS, CONNECT THE GROUND WIRE TO THE DOOR STUD AND TO THE GROUNDING BAR ABOVE THE I/O BOARD.
9	FOR BB CONNECTION POINTS, CONNECT USB DOOR PORT TO THE STS DISPLAY.

1.43 Communications, AirLinx 2.0 Enclosure



1006-7026 R00

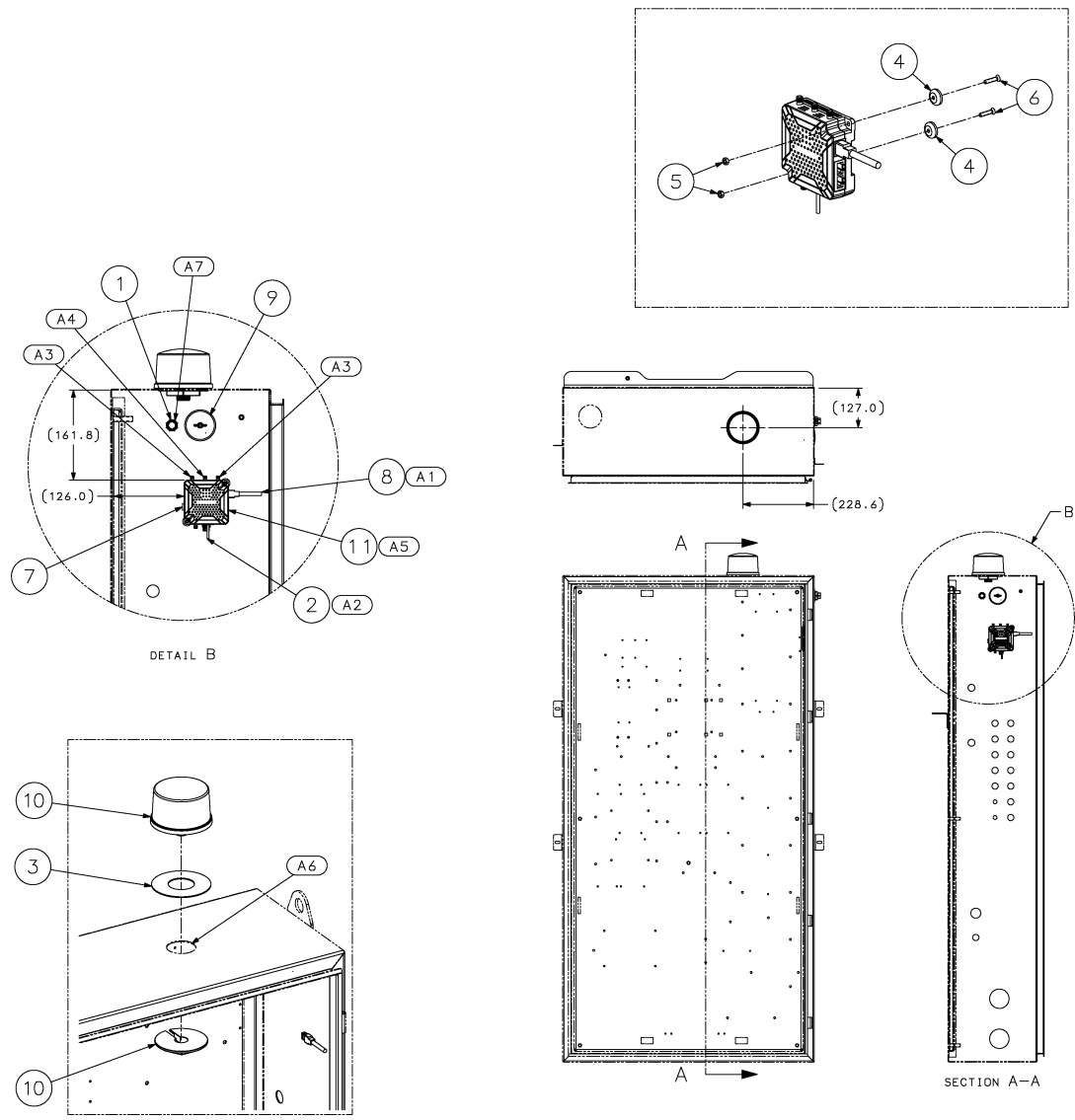
1.43 Communications, AirLinx 2.0 Enclosure

Key	Part number	Qty	Description	Notes
1	1000-4664	1	HARNESS,HIT IOT MODEM PWR 3M	
2	1001-0517	1	GASKET,ANTENNA	
3	1001-0518	2	MOUNT,MAGNET	
4	1001-0685	2	NUT,HEX METRIC M3.5 X 0.6	
5	1001-0688	2	SCREW,REC CSUNK FLTHD M3.5X16	
6	1001-0703	1	CARD,SIM AIRLINX HIES	
7	1004-7216	1	HARNESS,HIT IOT MODEM-GC 1775MM	
8	CP-ANT24	1	TRANSMITTER,REP_LS160	
9	CPTRANS-MGW	1	MODEM,AIRLINX HIES	

Drawing notes

A1	MODEM POWER TO 24VDC
A2	MODEM SERIAL 8-PIN CONNECTOR TO BUI BOARD
A3	ANTENNA TO MODEM (2X) LTE
A4	ANTENNA TO MODEM (1X) GPS
A5	MODEM MOUNTED ON INSIDE WALL OF STARTER BOX
A6	PUNCH A 1.97" (50MM) DIAMETER THRU HOLE AT THE LOCATION SHOWN

1.44 Communications, AirLinx 2.0 Open



1006-7027 R00

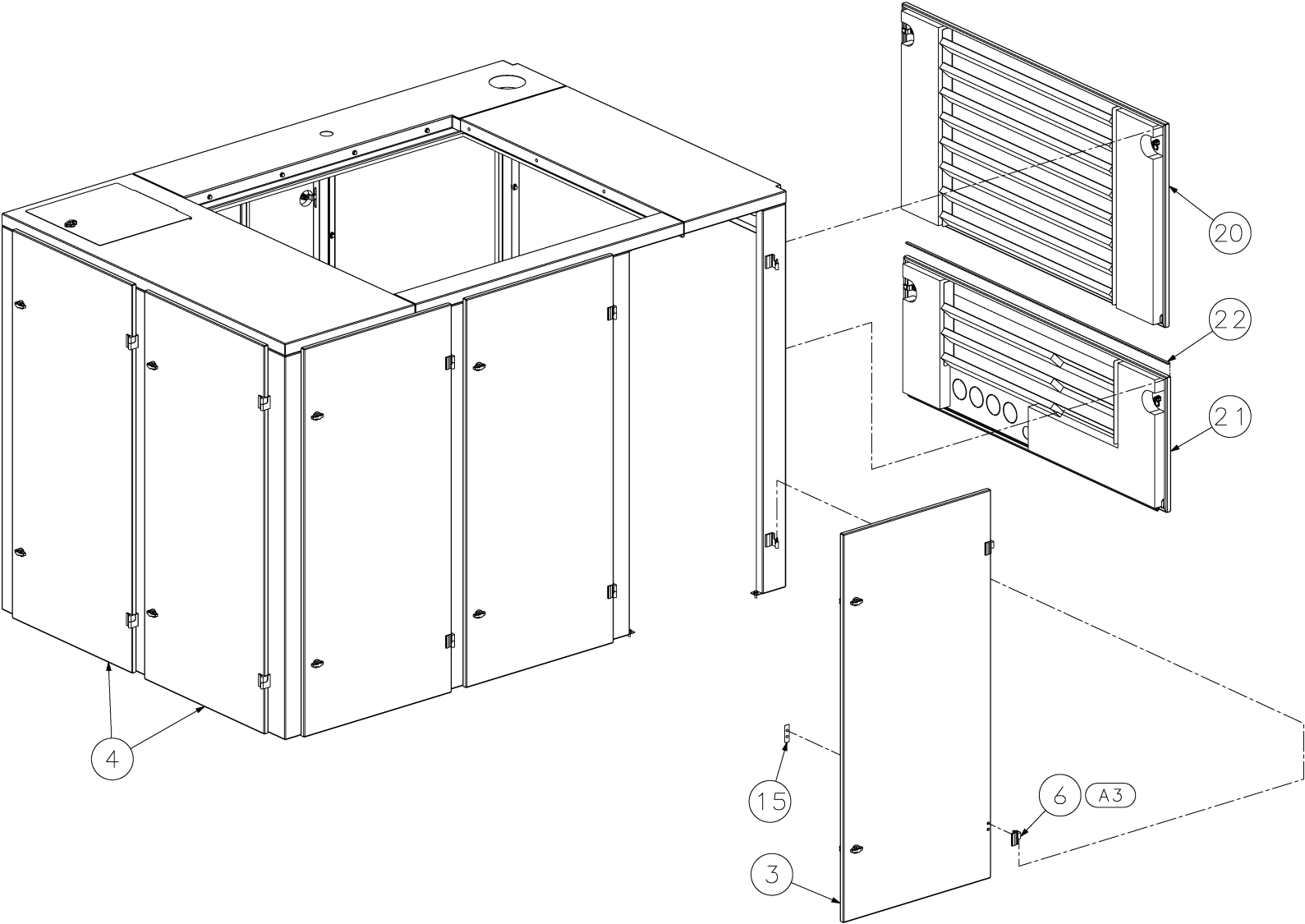
1.44 Communications, AirLinx 2.0 Open

Key	Part number	Qty	Description	Notes
1	02250216-341	1	PLUG,CLICK BLK 20MM	
2	1000-4664	1	HARNESS,HIT IOT MODEM PWR 3M	
3	1001-0517	1	GASKET,ANTENNA	
4	1001-0518	2	MOUNT,MAGNET	
5	1001-0685	2	NUT,HEX METRIC M3.5 X 0.6	
6	1001-0688	2	SCREW,REC CSUNK FLTHD M3.5X16	
7	1001-0703	1	CARD,SIM AIRLINX HIES	
8	1004-7216	1	HARNESS,HIT IOT MODEM-GC 1775MM	
9	409918-005	1	PLUG,HOLE N4 1-1/4" COND	
10	CP-ANT24	1	TRANSMITTER,LS90/110	
11	CPTRANS-MGW	1	MODEM,AIRLINX HIES	

Drawing notes

A1	MODEM POWER TO 24VDC
A2	MODEM SERIAL 8-PIN CONNECTOR TO BUI BOARD
A3	ANTENNA TO MODEM (2X) LTE
A4	ANTENNA TO MODEM (1X) GPS
A5	MODEM MOUNTED ON INSIDE WALL OF STARTER BOX
A6	PUNCH A 1.97" (50MM) DIAMETER THRU HOLE AT THE LOCATION SHOWN
A7	OPEN EXISTING THRU HOLE TO 20 MM
1	UNUSED CORD GRIPS SUPPLIED ON ANTENNA WIRING TO BE TIED TOGETHER WITH EXCESS ANTENNA WIRING.

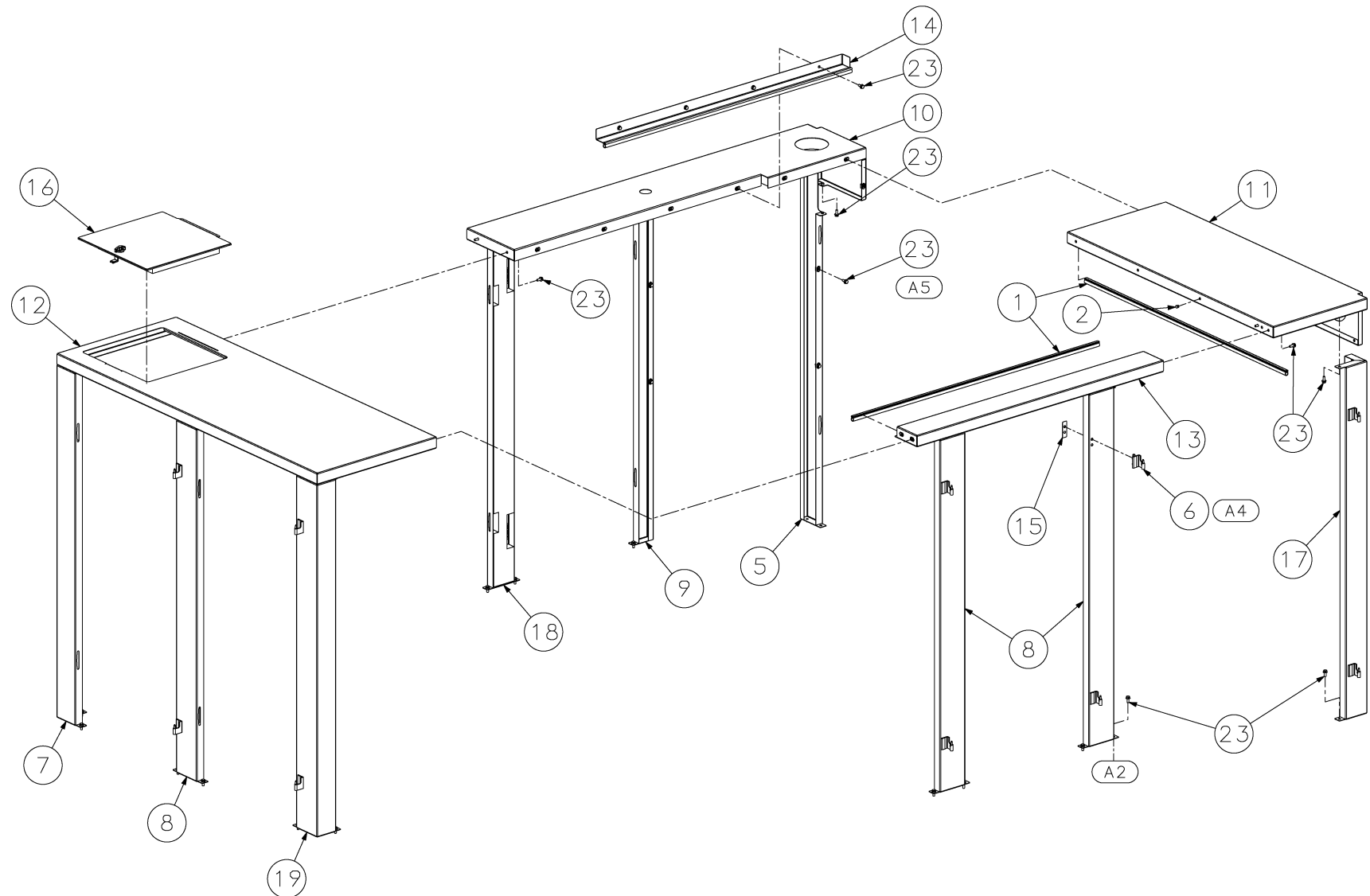
1.45 Enclosure, air-cooled



02250223-645 R05 (sh1)



1.45 Enclosure, air-cooled



02250223-645 R05 (sh2)

1.45 Enclosure, air-cooled

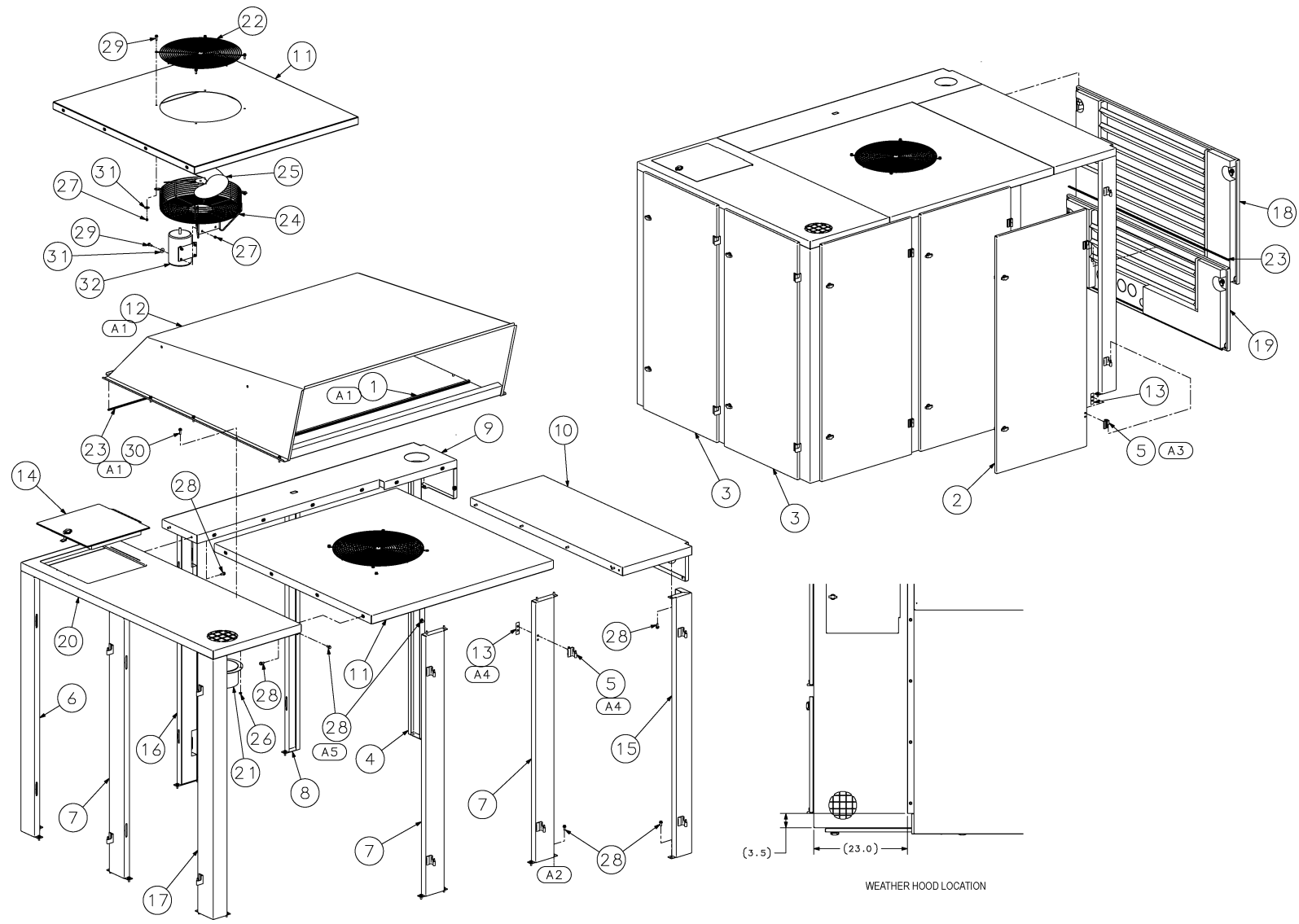
Key	Part number	Qty	Description	Notes
1	02250165-862	18	TRIM, CLIP ON	FEET
2	02250183-790	6	PLUG,HOLE .375 DIA. BLACK	
3	02250222-466	5	PANEL,DOOR 200HP GRN	
4	02250222-467	2	PANEL,DOOR 200HP BLK	
5	02250222-470	1	SUPPORT,ENCL CNTR CORNER 200HP	
6	02250222-977	14	HINGE,LIFT OFF 200HP	
7	02250223-649	1	SUPPORT,ENCL CORN SUMP END 150HP	
8	02250223-709	3	SUPPORT,ENCL POST 150HP	
9	02250223-714	1	SUPPORT,ENCL POST RH CNTR 150HP	
10	02250223-743	1	PANEL,ENCL ROOF CNTR SIDE	
11	02250223-745	1	PANEL,ENCL ROOF UNIT END 150HP	
12	02250223-746	1	PANEL,ENCL ROOF CNTR END	
13	02250223-748	1	PANEL,ENCL ROOF UNIT SIDE 150HP	
14	02250223-806	1	ANGLE,ENCL ROOF-CLR 150HP	
15	02250223-815	28	SHIM,HINGE SUPT .5MM	
16	02250225-451	1	PANEL,CVR SEP ACCESS 150HP	
17	02250225-523	1	SUPPORT,ENCL CORNER MTR END 150HP	
18	02250225-524	1	SUPPORT,ENCL POST SUMP SIDE 150HP	
19	02250225-525	1	SUPPORT,ENCL CORN UNIT END 150HP	
20	02250226-738	1	PANEL,ENCL END LVR UP	
21	02250226-747	1	PANEL,ENCL MTR END LVR 150HP	
22	250022-436	5	WEATHERSTRIP,3/16" X 3/8" (FT)	FEET
23	829705-075	49	SCREW, HX SER WASH 5/16 X 3/4"	

Drawing notes

A2	TO FRAME WELD-NUTS, TYP
A3	DOOR HALF OF HINGE, INSTALL WITH BACKER SHIM (AS REQUIRED) AND PIN
A4	STATIONARY HALF OF HINGE, INSTALL WITH BACKER (AS REQUIRED) SHIM AND PIN
A5	FOUR SCREWS TO HOLD STARTER BOX

Notes:

1.46 Enclosure, water-cooled



02250226-535 R03



1.46 Enclosure, water-cooled

Key	Part number	Qty	Description	Notes
1	02250158-314	5FT	GASKET, SPONGE-RUBBER BLACK	
2	02250222-466	5	PANEL,DOOR 200HP GRN	
3	02250222-467	2	PANEL,DOOR 200HP BLK	
4	02250222-470	1	SUPPORT,ENCL CNTR CORNER 200HP	
5	02250222-977	14	HINGE,LIFT OFF 200HP	
6	02250223-649	1	SUPPORT,ENCL CORN SUMP END 150HP	
7	02250223-709	3	SUPPORT,ENCL POST 150HP	
8	02250223-714	1	SUPPORT,ENCL POST RH CNTR 150HP	
9	02250223-743	1	PANEL,ENCL ROOF CNTR SIDE 150HP	
10	02250223-745	1	PANEL,ENCL ROOF UNIT END 150HP	
11	02250223-752	1	PANEL,ENCL ROOF WTROC 150HP	
12	02250223-813	1	DUCT,WEATHER HOOD 150HP	
13	02250223-815	28	SHIM,HINGE SUPT .5MM	
14	02250225-451	1	PANEL,CVR SEP ACCESS 150HP	
15	02250225-523	1	SUPPORT,ENCL CORNER MTR END 150HP	
16	02250225-524	1	SUPPORT,ENCL POST SUMP SIDE 150HP	
17	02250225-525	1	SUPPORT,ENCL CORN UNIT END 150HP	
18	02250226-738	1	PANEL,ENCL END LVR UP 150HP	
19	02250226-747	1	PANEL,ENCL MTR END LVR 150HP	
20	02250231-483	1	PANEL,ENCL ROOF CNTR END 150HP	
21	02250231-716	1	TUBE,ENCL ROOF 150HP	
22	241137	1	GUARD, FAN 20"DIA	
23	250022-436	10FT	WEATHERSTRIP,3/16 X 3/8 FT	
24	410179	1	GUARD,FAN 20" DIA 48 FRAME MTR	
25	410358	1	FAN,18" VENT 1/2" BORE 3 BLADE	
26	825304-236	3	NUT, HEX FLGD PLTD 1/4-20	
27	825505-166	8	NUT, HEX LOCKING PLTD 5/16-18	
28	829705-075	52	SCREW, HX SER WASH 5/16 X 3/4"	
29	829705-100	8	SCREW, HX SER WASH 5/16 X 1"	
30	834505-100	8	SCREW, SELF DRILL 5/16 X 1"	
31	838305-071	8	WASHER, PL-B WIDE PLTD 5/16"	
32	-VARIOUS	1	MOTOR, .25HP 208-230/460	

Drawing notes

A1	OPTIONAL WEATHER HOOD PARTS. (DRILL PILOT HOLES FOR SCREWS AS/IF REQUIRED)
A2	TO FRAME WELD-NUTS. TYP.

1.46 Enclosure, water-cooled

Key	Part number	Qty	Description	Notes
A3	DOOR HALF OF HINGE, INSTALL WITH BACKER SHIM (AS REQUIRED) AND PIN.			
A4	STATIONARY HALF OF HINGE, INSTALL WITH BACKER SHIM (AS REQUIRED) AND PIN.			
A5	FOUR SCREWS FOR STARTER BOX ATTACHMENT.			

Notes:

[illegible]

142

1.47 Decal locations, air-cooled

Key	Part number	Spanish P/N	Qty	Description	Notes
1	02250075-540		1	DECAL,PE DESIGNATION	
2	02250127-896	02250236-574	1	DECAL,PACKAGE AMPS LABEL	
3	02250146-385		1	DECAL,PARALLEL WYE MOTOR CONN.	*
4	02250164-823		1	DECAL,WRN N12 ELEC ENCL PROTC	*
5	02250171-797		1	DECAL, DO NOT BREATH COMP AIR	
6	02250172-271		1	DECAL, WARNING HOT SURFACES	
7	02250186-326		2	DECAL,WARNING SEVER (FAN)	
8	02250209-435		1	LABEL,UL ENCL CONT PNL W/BC	
9	02250229-397		1	DECAL,"SULLAIR" BLACK OPEN	
10	02250229-398		1	DECAL, WARNING REMOTELY CONTROLLED	
11	02250229-399		2	DECAL, WARNING ELECTRICAL SHOCK	
12	02250231-628		1	NAMEPLATE,SULLAIR QUALITY TAG	
13	02250236-294		1	DECAL,"HITACHI" O/F 2" BLACK	
14	02250256-553		1	DECAL,WARNING CANCER AND REPRO	
15	1000-3041		1	DECAL,AIRLINX WHITE LETTERS	
16	1001-2694		1	DECAL,10A COLD WEATHER PKG	
17	1004-5248	1004-5676	2	DECAL,QR CODE LS90-110	
18	49685	02250055-342	1	SIGN, WARNING-COMP OIL FIL CAP	
19	49852	02250055-341	1	DECAL,WARNING GROUND FAULT	
20	FLUID		1	DECAL,FLUID	
21	MODEL		1	DECAL,MODEL	
22	SULLAIR		2	DECAL,SULLAIR	
23	VOLTAGE		1	DECAL,VOLTAGE	
24	VSD WIRE		1	DECAL,VSD WIRE SIZE	*

Drawing notes

A1	LOCATE APPROXIMATELY AS SHOWN
A2	DECAL TO BE CENTERED HORIZONTALLY ON STARTER DOOR FOR ENCLOSED MACHINES ONLY
A3	DECAL TO BE CENTERED HORIZONTALLY AND VERTICALLY BELOW THE ACCESS PANEL AS SHOWN
A4	ATTACH DECAL ON STARTER DOOR LOCATION APPROXIMATELY AS SHOWN
A5	DECAL TO BE PLACED AT THIS LOCATION FOR ONLY OPEN MACHINES
A6	TO BE CENTERED WITH THE ABOVE TEXT
A7	TO BE CENTERED WITH THE ABOVE DECAL
A8	LESS CANOPY UNITS ONLY
A9	FLUID DECAL TO BE CENTERED ON CAP
A10	CENTERED UNDER NAMEPLATE

1.47 Decal locations, air-cooled

Decals, fluid

Part number	Description
02250069-389	DECAL, FLUID SULLUBE
02250197-394	DECAL, PRISTINEFG FOOD GRADE

Decals, model

Part number	Description
02250228-618	DECAL, LS90
02250229-497	DECAL, LS90S
02250229-498	DECAL, LS90V
02250228-619	DECAL, LS110
02250229-500	DECAL, LS110S
02250229-501	DECAL, LS110V

Decals, Hitachi logo

Part number	Description
02250236-294	DECAL,"HITACHI" O/F 2" BLACK

Decals, Sullair logo

Part number	Description
02250227-155	DECAL,"SULLAIR" BLACK ENCL
02250229-397	DECAL,"SULLAIR" BLACK OPEN

Decals, voltage

Part number	Description
02250069-399	DECAL,V 460/3/60 INTERNATIONAL
02250069-400	DECAL,V 575/3/60 INTERNATIONAL
02250069-405	DECAL,V 400/3/50 INTERNATIONAL

1.47 Decal locations, air-cooled

Decals, VSD wiring

Part number	Description
02250230-931	DECAL,VSD WIRE SIZE 400V
02250207-677	DECAL,VSD WIRE SIZE 460V
02250212-205	DECAL,VSD WIRE SIZE 575V YAS

[illegible]

146

1.48 Decal locations, water-cooled

Key	Part number	Spanish P/N	Qty	Description	Notes
1	02250075-540		1	DECAL, PE DESIGNATION	
2	02250127-896	02250236-574	1	DECAL, PACKAGE AMPS LABEL	
3	02250146-385		1	DECAL, PARALLEL WYE MOTOR CONN.	*
4	02250164-823		1	DECAL, WRN N12 ELEC ENCL PROTC	*
5	02250171-797		1	DECAL, DO NOT BREATH COMP AIR	
6	02250172-271		1	DECAL, WARNING HOT SURFACES	
7	02250186-326		1	DECAL, WARNING SEVER (FAN)	
8	02250209-435		1	LABEL, UL ENCL CONT PNL W/BC	
9	02250229-398		1	DECAL, WRNG REMOTELY CONTROLLED	
10	02250229-399		2	DECAL, WRNG ELECTRICAL SHOCK	
11	02250229-954		1	DECAL, WATER IN/WATER OUT	
12	02250231-628		1	NAMEPLATE, SULLAIR QUALITY TAG	
13	02250236-294		2	DECAL, "HITACHI" O/F 2" BLACK	
14	02250256-553		2	DECAL, WARNING CANCER AND REPRO	
15	49685	02250055-342	1	DECAL, WARNING-COMP OIL FIL CAP	
16	49852	02250055-341	1	DECAL, WARNING GROUND FAULT	
17	1000-3041		1	DECAL, AIRLINX WHITE LETTERS	
18	1001-2694		1	DECAL, 10A COLD WEATHER PKG	
19	1004-5248	1004-5676	2	DECAL, QR CODE LS90-110	
20	FLUID		1	DECAL, FLUID	
21	MODEL		1	DECAL, MODEL	
22	SULLAIR		2	DECAL, SULLAIR	
23	VOLTAGE		1	DECAL, VOLTAGE	
24	VSD WIRE		1	DECAL, VSD WIRE SIZE	*

Drawing notes

A1	LOCATE APPROXIMATELY AS SHOWN
A2	MODEL DECAL TO BE CENTERED ON STARTER DOOR FOR ENCLOSED MACHINES ONLY
A3	ATTACH DECAL ON STARTER DOOR LOCATION APPROXIMATELY AS SHOWN
A4	DECAL TO BE PLACED AT THIS LOCATION FOR ONLY OPEN MACHINES
A5	TO BE CENTERED WITH THE ABOVE TEXT
A6	TO BE CENTERED WITH THE ABOVE DECAL
A7	LESS CANOPY UNITS ONLY
A8	FLUID DECAL TO BE CENTERED ON CAP
A9	CENTERED UNDER NAMEPLATE

1.48 Decal locations, water-cooled

Decals, fluid

Part number	Description
02250069-389	DECAL, FLUID SULLUBE
02250197-394	DECAL, PRISTINEFG FOOD GRADE

Decals, model

Part number	Description
02250228-618	DECAL, LS90
02250229-497	DECAL, LS90S
02250229-498	DECAL, LS90V
02250228-619	DECAL, LS110
02250229-500	DECAL, LS110S
02250229-501	DECAL, LS110V

Decals, Hitachi logo

Part number	Description
02250236-294	DECAL,"HITACHI" O/F 2" BLACK

Decals, Sullair logo

Part number	Description
02250227-155	DECAL,"SULLAIR" BLACK ENCL
02250229-397	DECAL,"SULLAIR" BLACK OPEN

Decals, voltage

Part number	Description
02250069-399	DECAL,V 460/3/60 INTERNATIONAL
02250069-400	DECAL,V 575/3/60 INTERNATIONAL
02250069-405	DECAL,V 400/3/50 INTERNATIONAL

1.48 Decal locations, water-cooled

Decals, VSD wiring

Part number	Description
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02250207-677	DECAL,VSD WIRE SIZE 460V
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Notes:



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