

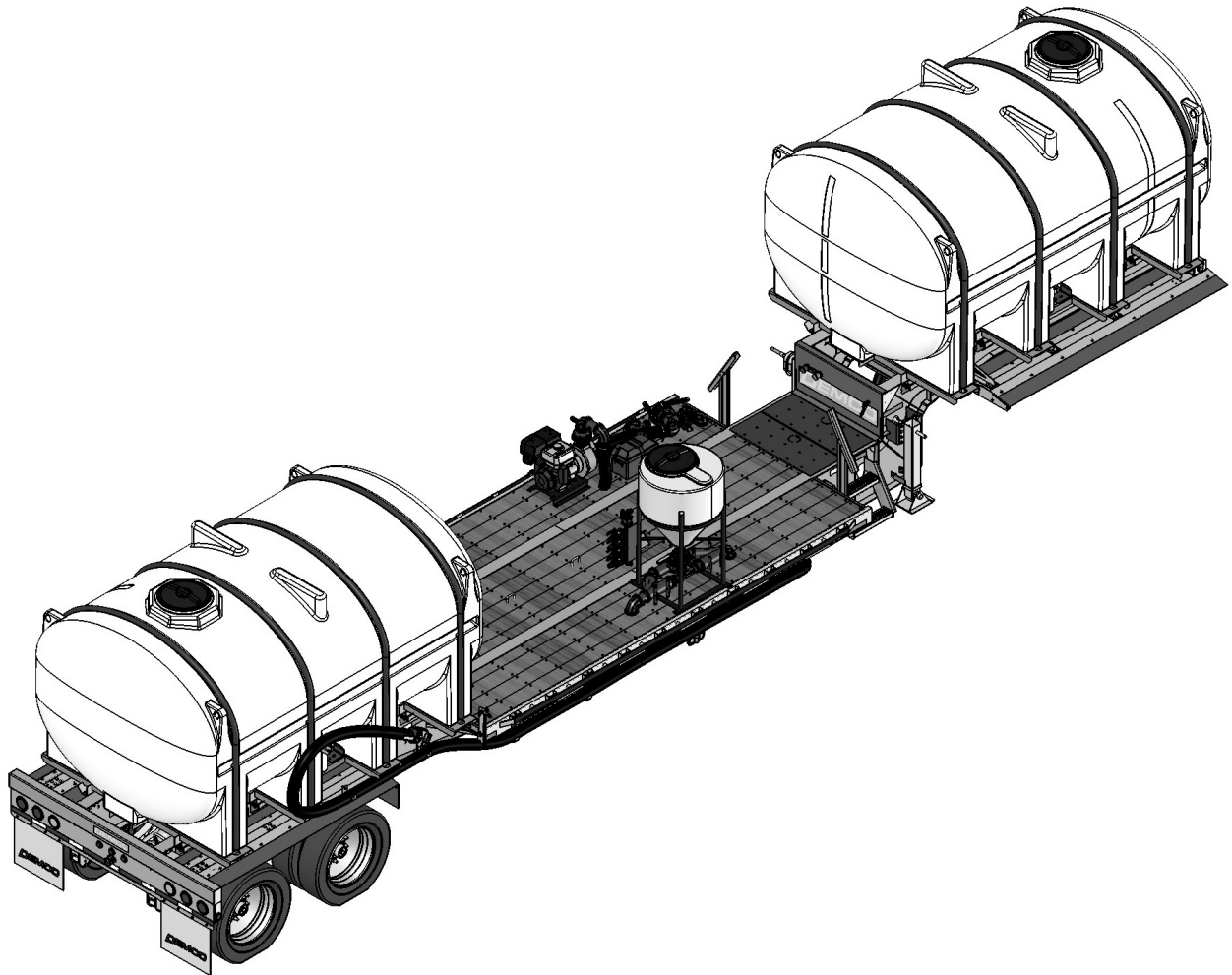


Doing Our Best to Provide You the Best

8D000007, Rev A
11/24

LIQUID TENDER PLUMBING OPTIONS

COMPATIBLE WITH 42', 48', AND 53' TRAILER MODELS



PARTS MANUAL

Overview..... 3
Plumbing Package Information3
Contact Information.....3
How To Order Parts.....3

Plumbing Options & Accessories 4
Basic Plumbing Package5
Standard/Deluxe Plumbing Package.....8
Battery Kit.....10
Boom Arm Assembly.....11
Boom Arm Plumbing Kit.....12
Hose Reel15
Hose Reel Plumbing Kit.....16
Hose Reel Electrical Kit18
Blow Down Kit19
Electrical Kit20
Pump.....21
Pump Assist Kit22
Inductor23

LIQUID TENDER PLUMBING PACKAGE INFORMATION

This parts manual is for the Demco Liquid Tender Trailer Plumbing Package Options & Accessories. These parts may have been purchased when ordering the trailer, or added as accessories at a later time. In either case, ordering new parts or replacement parts can follow the same process.

Plumbing Package Options:

1. Basic Plumbing Package - Includes plumbing from front and rear tanks to a central fill bank/valve cluster
2. Standard Plumbing Package - Adds a pump, battery, and standard inductor (60 gal. cone, handfill only, with venturi and jug rinse)
3. Deluxe Plumbing Package - Upgrades to a deluxe inductor (60 gal. cone, 4 valve manifold for filling from totes, flow meter, and jug rinse)

Available Accessories:

1. Standard or Deluxe Inductor Cone
2. Hose Reel
3. Boom Arm
4. Pump

CONTACT INFORMATION FOR ADDED MANUFACTURE PARTS

As noted, some of the Liquid Tender Plumbing Options include purchased parts from other manufacturers. Their QR Codes and links to respective owner's manuals are provided here for access to more detailed information related to installation, maintenance, safety, parts, etc. Additionally, customer support phone numbers and emails are included for further assistance.

- **Flomec** – Owners Manuals link <https://greatplainsindustries.com/pages/owners-manuals>
 - Flomec Product Support Center can also be contacted for assistance by calling 1-800-835-0113 or by visiting their online support center at greatplainsindustries.com/pages/support-center
- **Hannay** – Owners Manuals link <https://www.hannay.com/en-US/support/maintenance-and-installation-guides/>
 - Hannay Customer Service can also be contacted for assistance by calling 1-877-467-3357 or by emailing reels@hannay.com.
- **John Blue** – Owners Manuals link <https://johnblue.com/product/centrifugal-pumps-coupled-to-gasoline-engines/>
 - John Blue Customer Service can also be contacted for assistance by calling 1-800-253-2583 or by emailing johnblue.com.
- **Honda** – Owners Manuals link <https://engines.honda.com/support-and-service/owners-manuals>
 - Honda Customer Relations can also be contacted for assistance by calling 1-770-497-6400



HOW TO ORDER PARTS

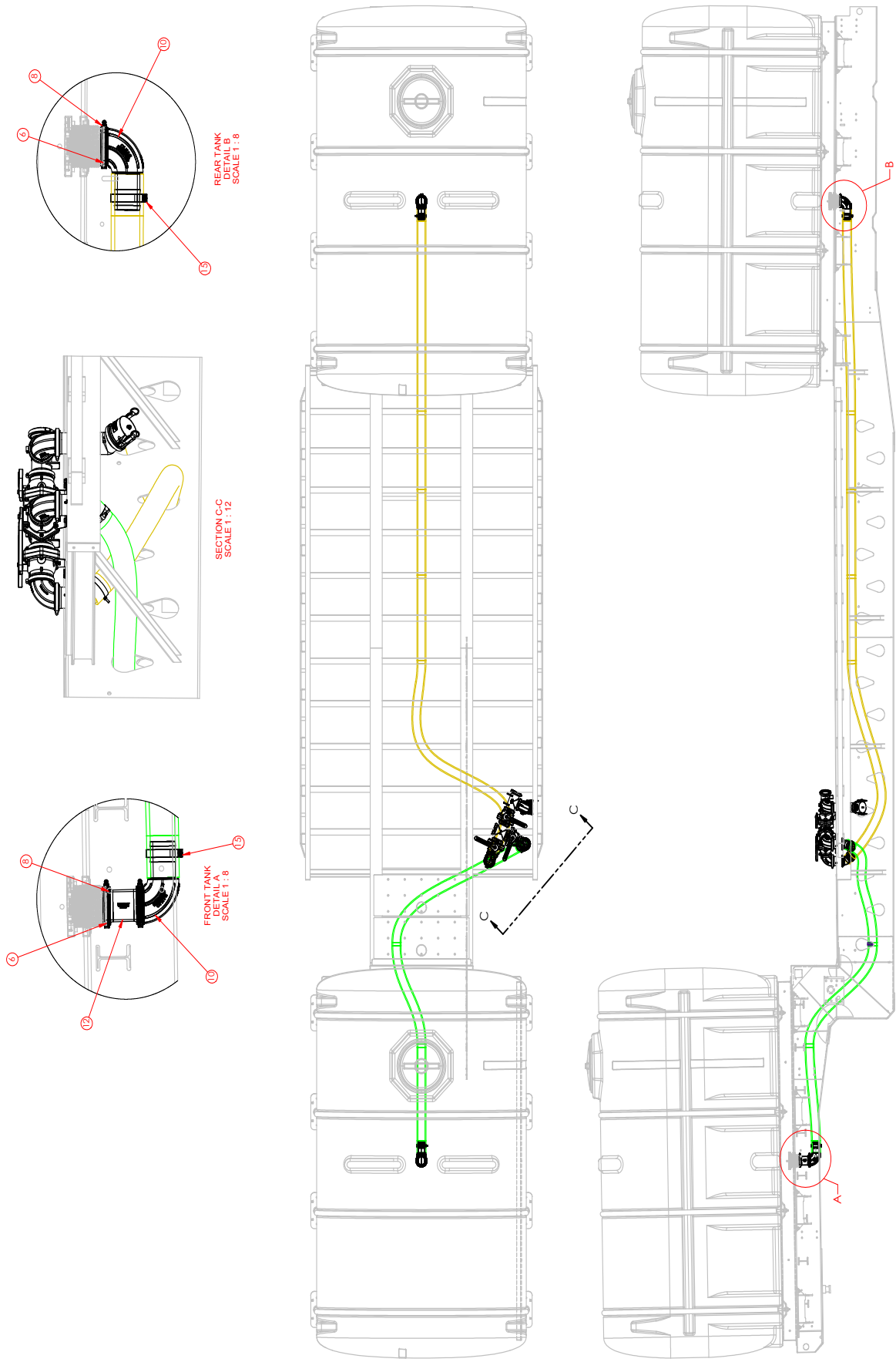
Use this manual to help determine the part number needed, then contact your dealer with the model number, serial number, and part information. They can order the part(s) directly from Demco.

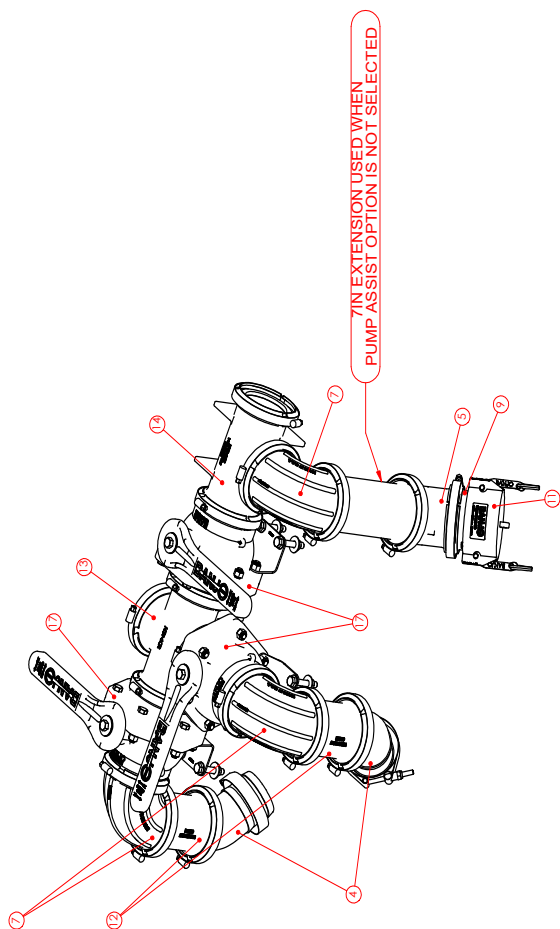
PLUMBING OPTIONS & ACCESSORIES

The following pages contain parts information for plumbing options and accessories that can be added to your Demco Liquid Tender Trailer.

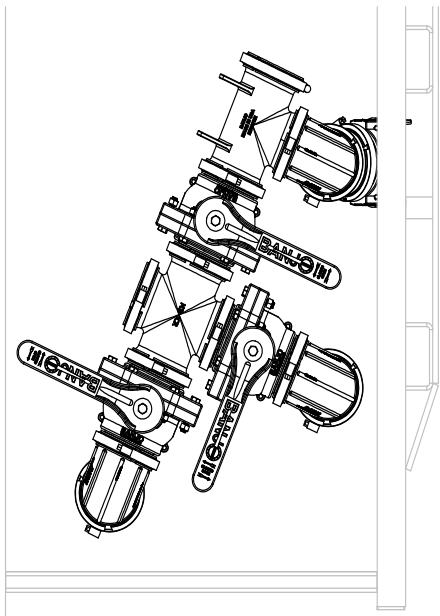
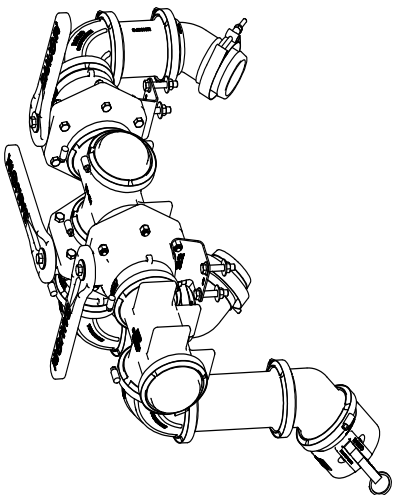
BOM ID	Qty	Item No	Description
1	6	1AF009F0000	3/8" FLAT WASHER
2	6	1AFBP3685	BOLT, FLANGE HEAD, 3/8-16 X 2, GRD 8, PLTD
3	6	1AFC18F0000	3/8-16 HEX NUT NYLOCK
4	2	1AM300BRB45	3" FLANGE X 3" HOSE BARB 45 DEGREE
5	1	1AM300CPG45	3" X 3" FLANGED 45 DEGREE ELBOW
6	19	1AM300G0000	3" EPDM FLANGE GASKET
7	3	1AM300SWP90	3" X 3" MANIFOLD FLANGE SWEEP 90 DEGREES
8	19	1AMFC300000	3" FLANGE CLAMP
9	1	1AMM300A000	3" MALE CAM LOCK X 3" MANIFOLD
10	2	1AMM300BS90	3" HOSE BARB X 3" MANIFOLD FLANGE SWEEP
11	1	1AMM300CAP0	3" CAM LOCK CAP
12	3	1AMM300CPG0	3" X 3" MANIFOLD COUPLING
13	1	1AMM300CR00	3" FLANGED CROSS
14	1	1AMM300TEE0	3" FLANGED TEE
15	4	1AMTC343000	3" T-BOLT HOSE CLAMP, 3 7/16" - 3 3/4"
16	3	1AMV2527100	90 DEGREE VALVE MOUNTING PLATE STAINLESS STEEL
17	3	1AMVS300CFF	3" FULL PORT MANIFOLD STUBBY 2-WAY VALVE

*See print images on next two pages.



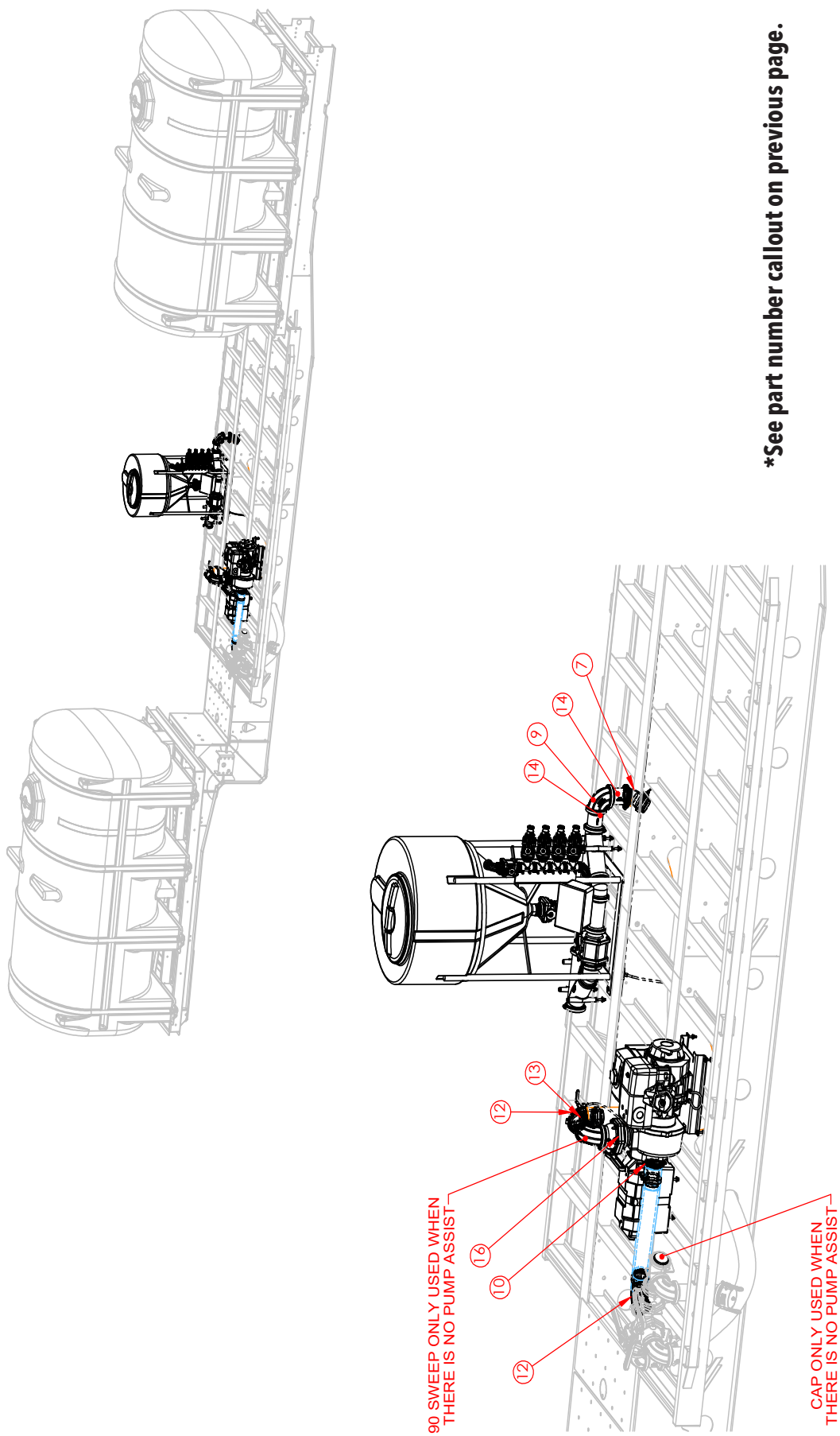


*See part number callout on page 5.

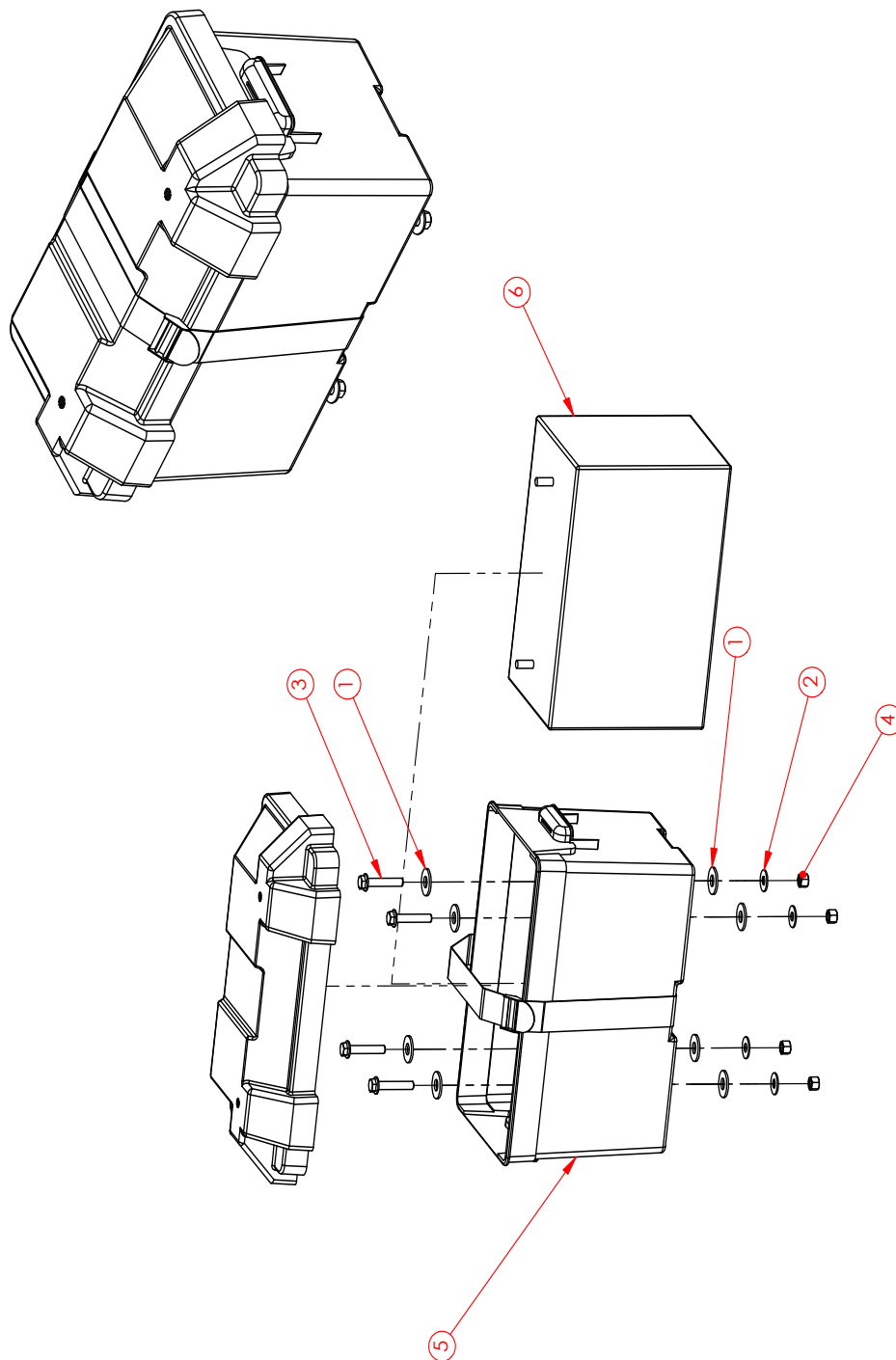


BOM ID	Qty	Item No	Description
1	56	1AF009E0000	5/16" FLAT WASHER
2	5	1AF009F0000	3/8" USS FLAT WASHER
3	8	1AFC12EBA05	5/16" X 2-1/4" HEX BOLT GR5
4	5	1AFC12EJAF5	3/8"-16 X 9 HEX BOLT GR5 ZINC
5	8	1AFC18E0000	5/16"-18 NYLOCK NUT
6	5	1AFC18F0000	3/8"-16 HEX NUT NYLOK
7	1	1AM300BRB45	3" FLANGE X 3" HOSE BARB 45 DEGREE
8	10	1AM300G0000	3" EPDM FLANGE GASKET
9	1	1AM300SWP90	3" X 3" MANIFOLD FLANGE SWEEP 90 DEGREES
10	10	1AMFC300000	3" FLANGE CLAMP
11	1	1AMM300BRB0	3" FLANGE X 3" HOSE BARB STRAIGHT
12	2	1AMM300BS90	3" HOSE BARB X 3" MANIFOLD FLANGE SWEEP
13	1	1AMM300C55G	3" MANIFOLD COUPLING, 5 1/2" LENGTH W/GUAGE PORT
14	2	1AMM300CPG0	3" X 3" MANIFOLD COUPLING
15	4	1AMTC343000	3" T-BOLT HOSE CLAMP, 3 7/16" - 3 3/4"
16	1	1AMVS300CFF	3" FULL PORT MANIFOLD STUBBY 2-WAY VALVE

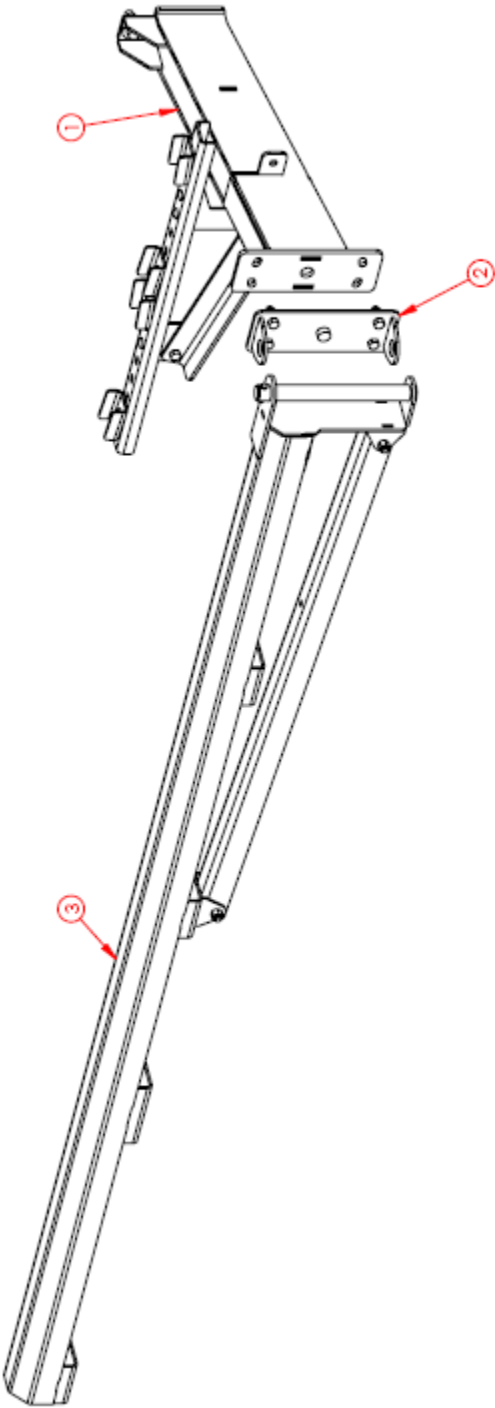
*See print image on next page.



DEMCO

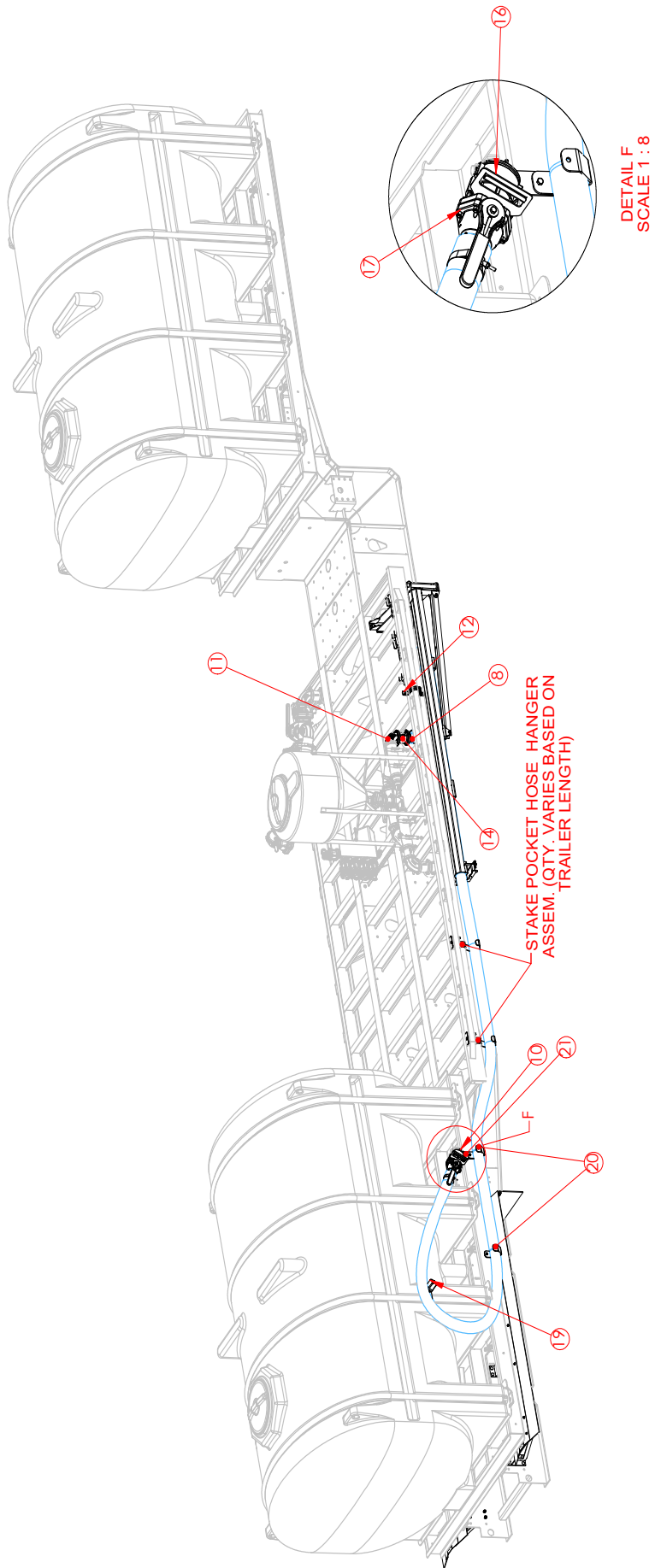


BOM ID	Qty	Item No	Description
1	1	5D000463	LT BOOM ARM, FRAME MOUNT ASSEMBLY
2	1	5D000464	LT BOOM ARM, BASE BOOM HINGE ASSEMBLY
3	1	5D000485	LT BOOM U-ARM, COMPLETE ARM ASSEMBLY



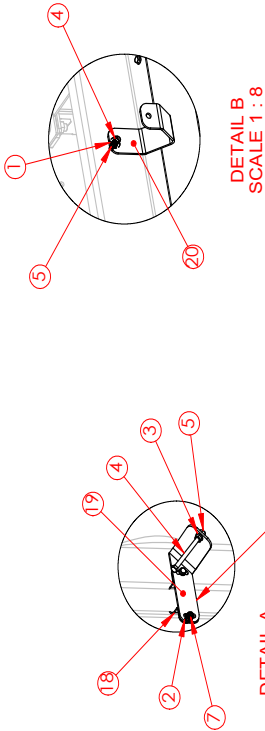
BOM ID	Qty	Item No	Description
1	2	1AF009F0000	3/8" USS FLAT WASHER
2	1	1AF009H0000	1/2" FLAT WASHER
3	1	1AFBP3118	HEX CAP SCREW, 3/8"-16 X 5, GRD 5, PLTD
4	2	1AFC08E0000	5/16" FLANGE NUT
5	1	1AFC18H0000	3/8" FLANGE NUT
6	2	1AFC12FAAH0	3/8" X 1-1/2" HEX BOLT
7	1	1AFC12HAAD5	1/2" X 1-1/4" HEX BOLT
8	3	1AFC18F0000	3/8"-16 HEX NUT NYLOK
9	1	1AFC18H0000	1/2" NYLOCK NUT
10	2	1AFC35DAA00	1/4"-14 x 1 SELF TAPPING SCREW
11	2	1AFC35FAA00	5/16 x 1" SELF TAP FLANGE BOLT
12	1	1AM300BRB45	3" FLANGE X 3" HOSE BARB 45 DEGREE
13	2	1AM300G0000	3" EPDM FLANGE GASKET
14	1	1AM300PL000	3" CAM LOCK POLY PLUG
15	1	1AM300SWP90	3" X 3" MANIFOLD FLANGE SWEEP 90 DEGREES
16	1	1AM500HOSEH	4" GALVANIZED 2-HOLE PIPE HANGER STRAP
17	2	1AMFC300000	3" FLANGE CLAMP
18	1	1AMM300CPG0	3" X 3" MANIFOLD COUPLING
19	2	1AMTC343000	3" T-BOLT HOSE CLAMP, 3 7/16" - 3 3/4"
20	1	1AMV2527200	VALVE LIFT HANDLE, STAINLESS STEEL
21	1	1AMVSHBD300	3" STUBBY VALVE, 3" HOSE BARB X 3" FEMALE CAM
22	1	1AUT1366400	LADDER CLIP
23	1	3D0000907	TANK HOOP HOSE HANGER
24	2	3D0000908	BOLT ON HOSE HANGER
25	1	3D0000911	BOOM ARM NOZZLE BRACKET

*See print image on next page.

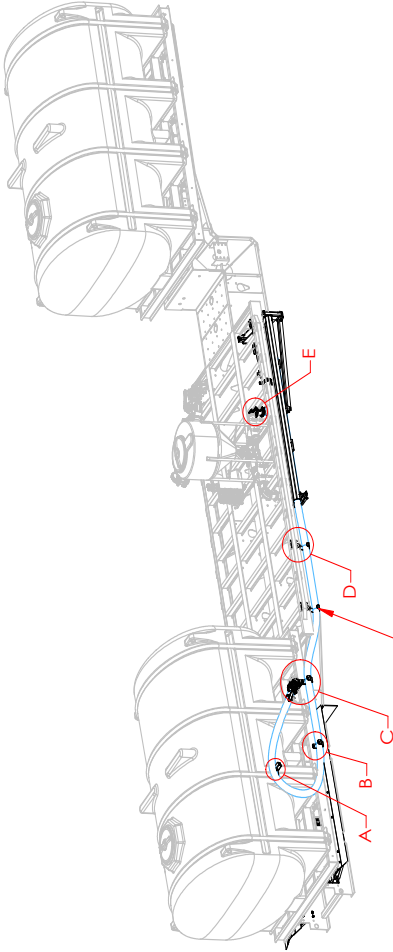
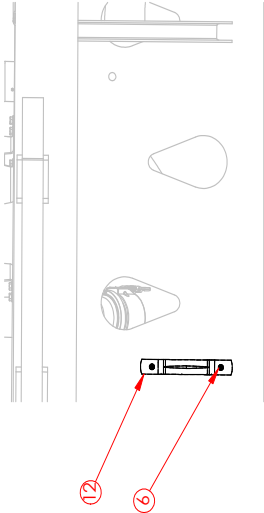


*See part number callout on previous page.

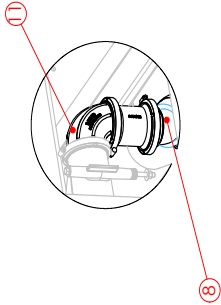
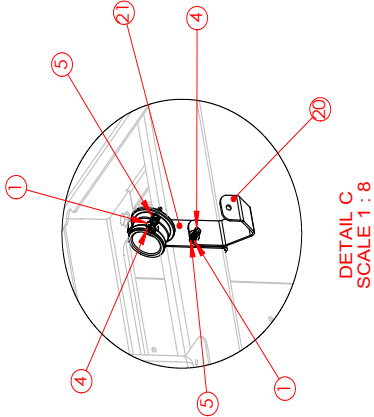
*See part number callout on page 12.



A SMALL PIECE OF RUBBER BELTING SHOULD BE ADDED BETWEEN THE HOOP AND THE LADDER CLIP

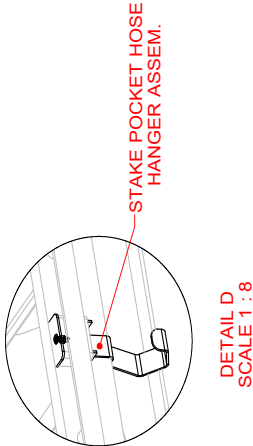


STAKE POCKET HOSE HANGERS SHOULD BE IN EVERY OTHER STAKE POCKET SKIP THE FIRST STAKE POCKET AFTER THE END OF THE BOOM ARM



DETAIL E
SCALE 1 : 8

DETAIL C
SCALE 1 : 8



DETAIL D
SCALE 1 : 8

A Hose Reel is available when ordering a Demco Liquid Tender Trailer or may be added as an accessory item.

The hose reel is designed to handle:

- 2 -1/2" to 3" I.D. hose diameters
- Hose lengths up to 50 feet
- Pressures up to 300 psi
- Standard fluid temperatures from -20 degrees F to +212 degrees F

**HOSE REEL - 3", 12VOLT, 50', HANNAY
1AM00EP9346**

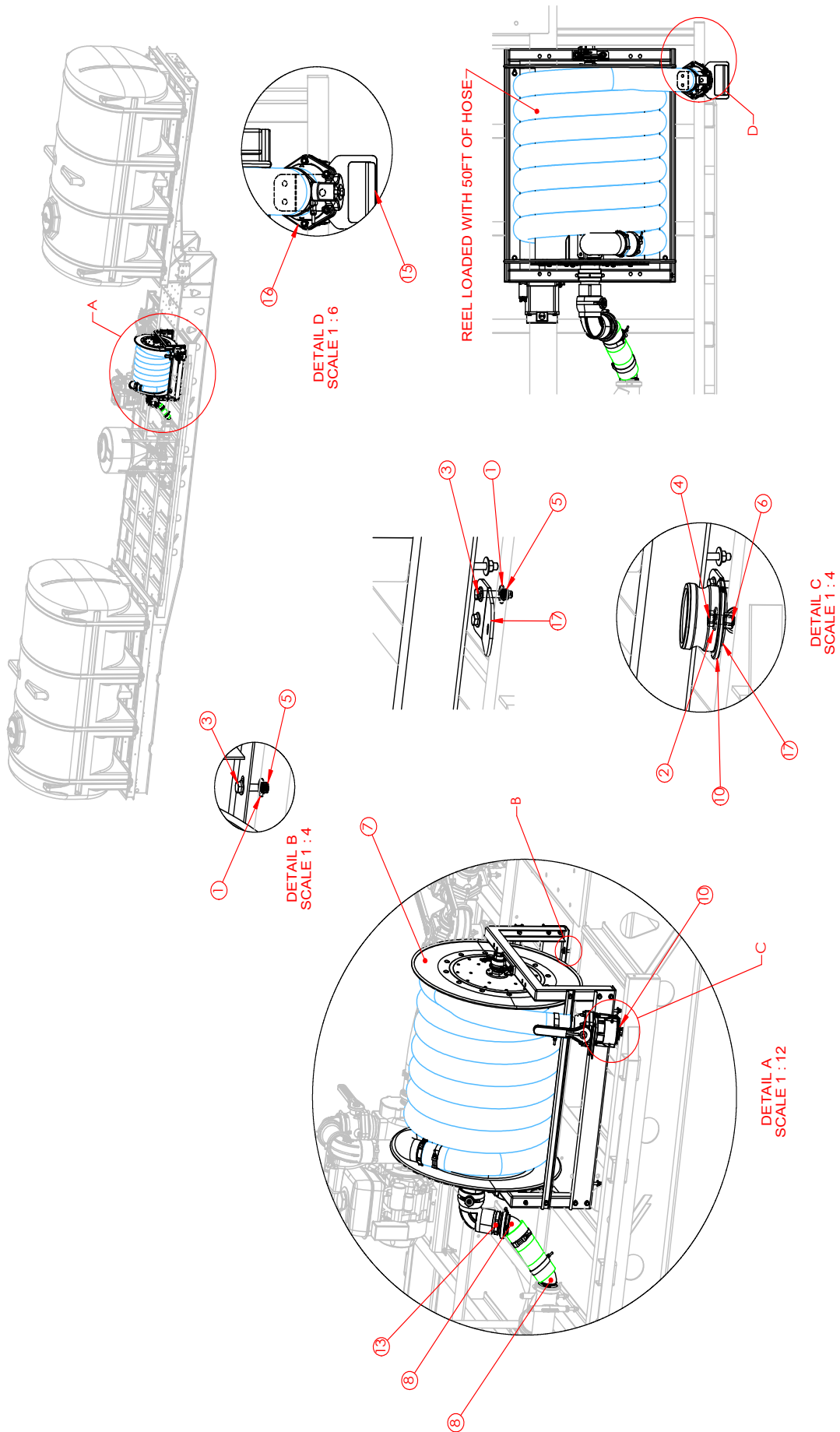


Maintenance and Installation Guides can be found on the Hannay Reels website at hannay.com and click the Support Tab to go to the Maintenance & Installation Guides Page.

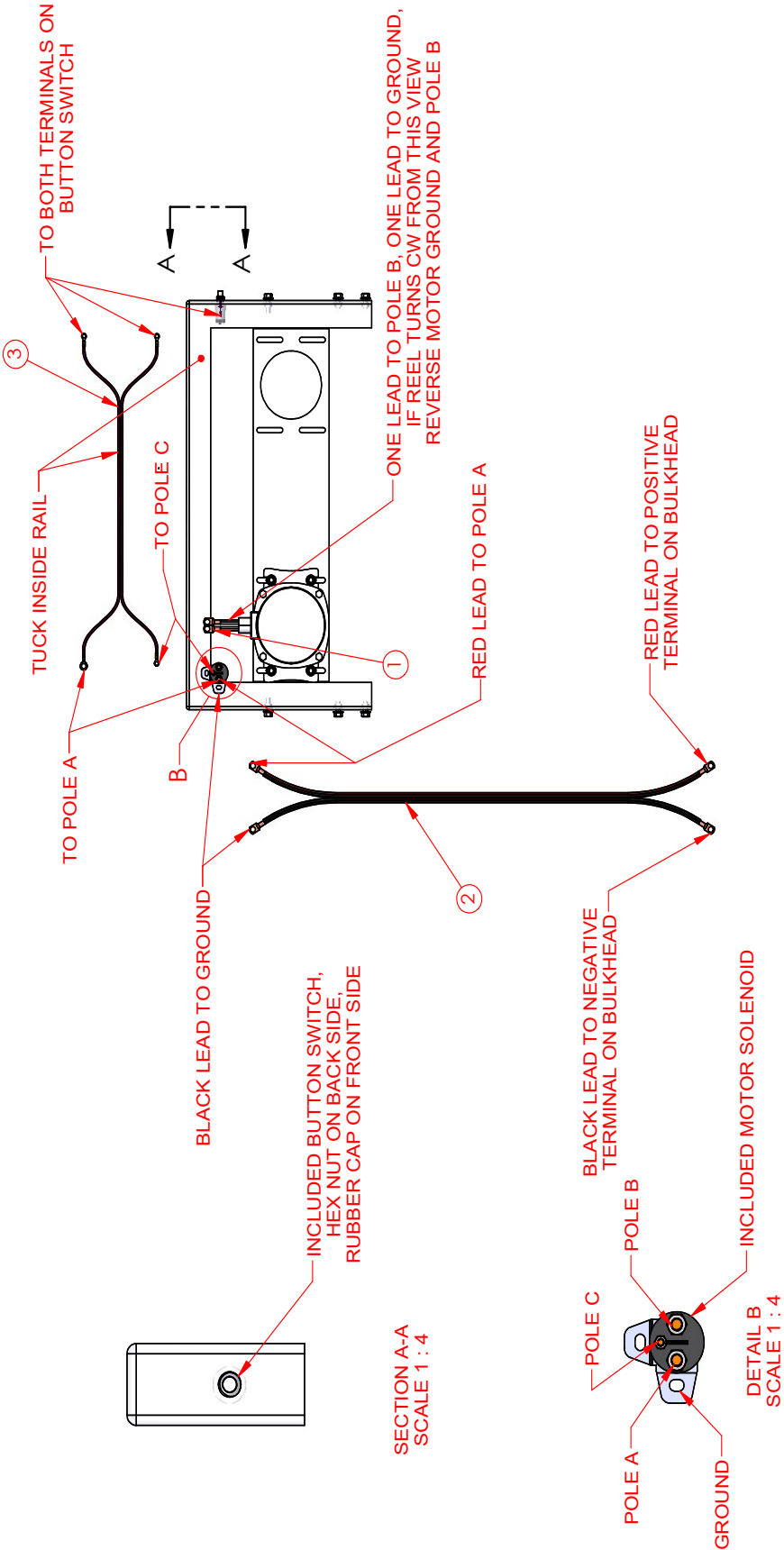
Hannay Reels Customer Service can also be contacted with any questions by calling 1-877-467-3357 or by emailing at reels@hannay.com.

BOM ID	Qty	Item No	Description
1	6	1AF009F0000	3/8" FLAT WASHER
2	1	1AF009H0000	1/2" FLAT WASHER
3	6	1AFBP3685	BOLT, FLNG HEAD, 3/8-16 X 2, GRD 8, PLTD
4	1	1AFC12HAAD5	1/2" x 1-1/4" HEX BOLT
5	6	1AFC18F0000	3/8"-16 HEX NUT NYLOCK
6	1	1AFC18H0000	1/2" NYLOCK NUT
7	1	1AM00EP9346	HOSE REEL, 3" 12VOLT 50', HANNAY
8	2	1AM300BRB45	3" FLANGE X 3" HOSE BARB 45 DEGREE
9	1	1AM300G0000	3" EPDM FLANGE GASKET
10	1	1AM300PL000	3" CAM LOCK POLY PLUG
11	1	1AMFC300000	3" FLANGE CLAMP
12	1	1AMHB300000	3" MALE THREAD X 3" HOSE BARB
13	1	1AMM300MPT0	3" MALE MPT TO 3" FLANGE
14	4	1AMTC343000	3" T-BOLT HOSE CLAMP, 3 7/16" - 3 3/4"
15	1	1AMV2527200	VALVE LIFT HANDLE, STAINLESS STEEL
16	1	1AMVSHBD300	3" STUBBY VALVE, 3" HOSE BARB X 3" FEMALE CAM
17	1	3D0000912	HOSE REEL NOZZLE BRACKET

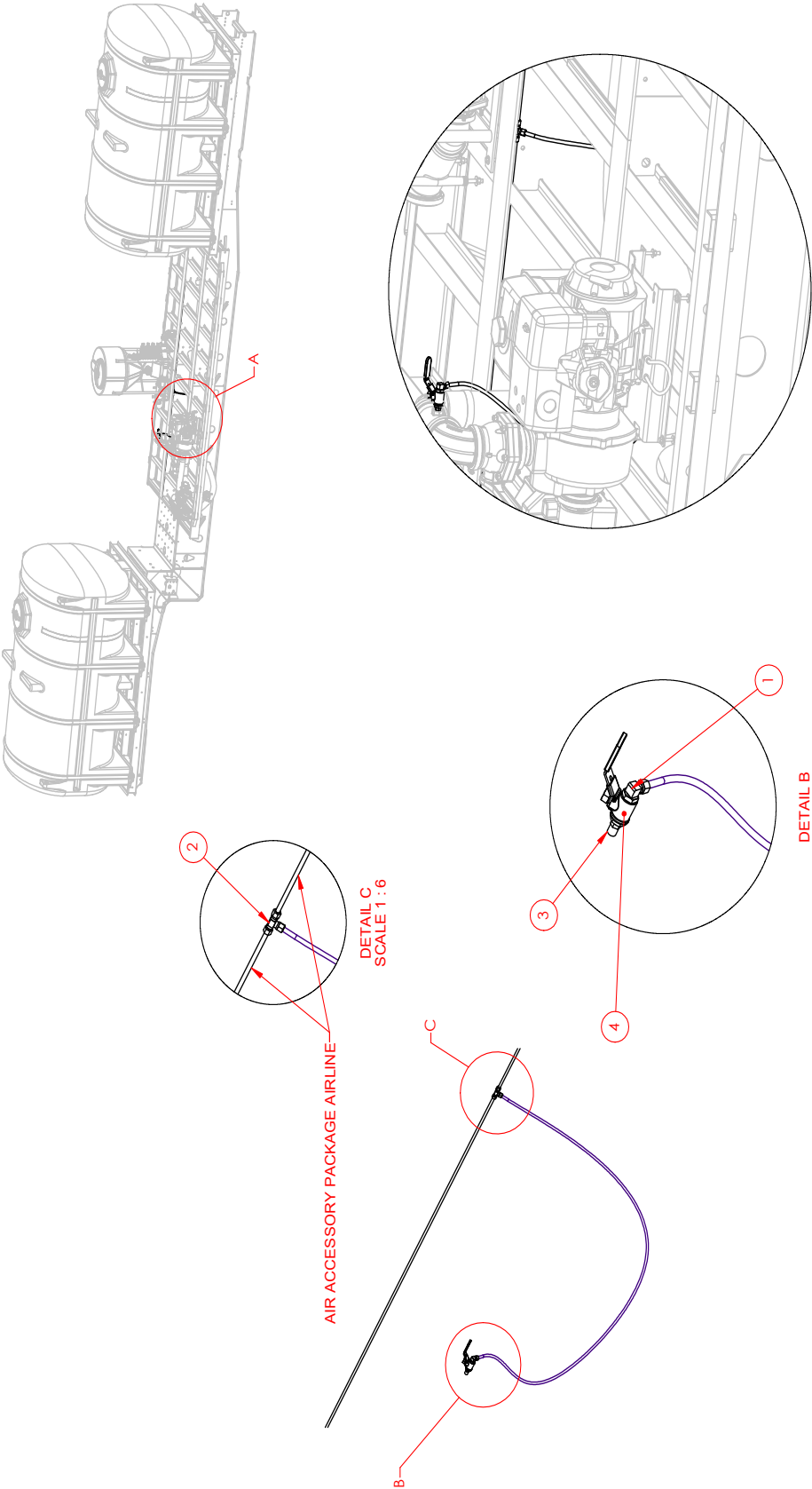
*See print image on next page.



BOM ID	Qty	Item No	Description
1	2	1AEC0036073	EYELET, BARE COPPER, 6 GA., 3/8" STUD
2	1	4W040000	BULKHEAD TERMINAL TO HOSE REEL SOLENOID
3	1	4W041000	HOSE REEL SOLENOID TO BUTTON



BOM ID	Qty	Item No	Description
1	1	1ABOCL38140	ELBOW, 1/4" MP X 3/8" TUBE, 90, BRASS
2	1	1ABOCT38380	TEE, UNION, 3/8" TUBE
3	1	1ABAP3734	NIPPLE, HEX, 1/4" BRASS, 3325-4
4	1	1AU017V025S	1/4" FULL PORT STAINLESS STEEL LOCKING BALL VALVE

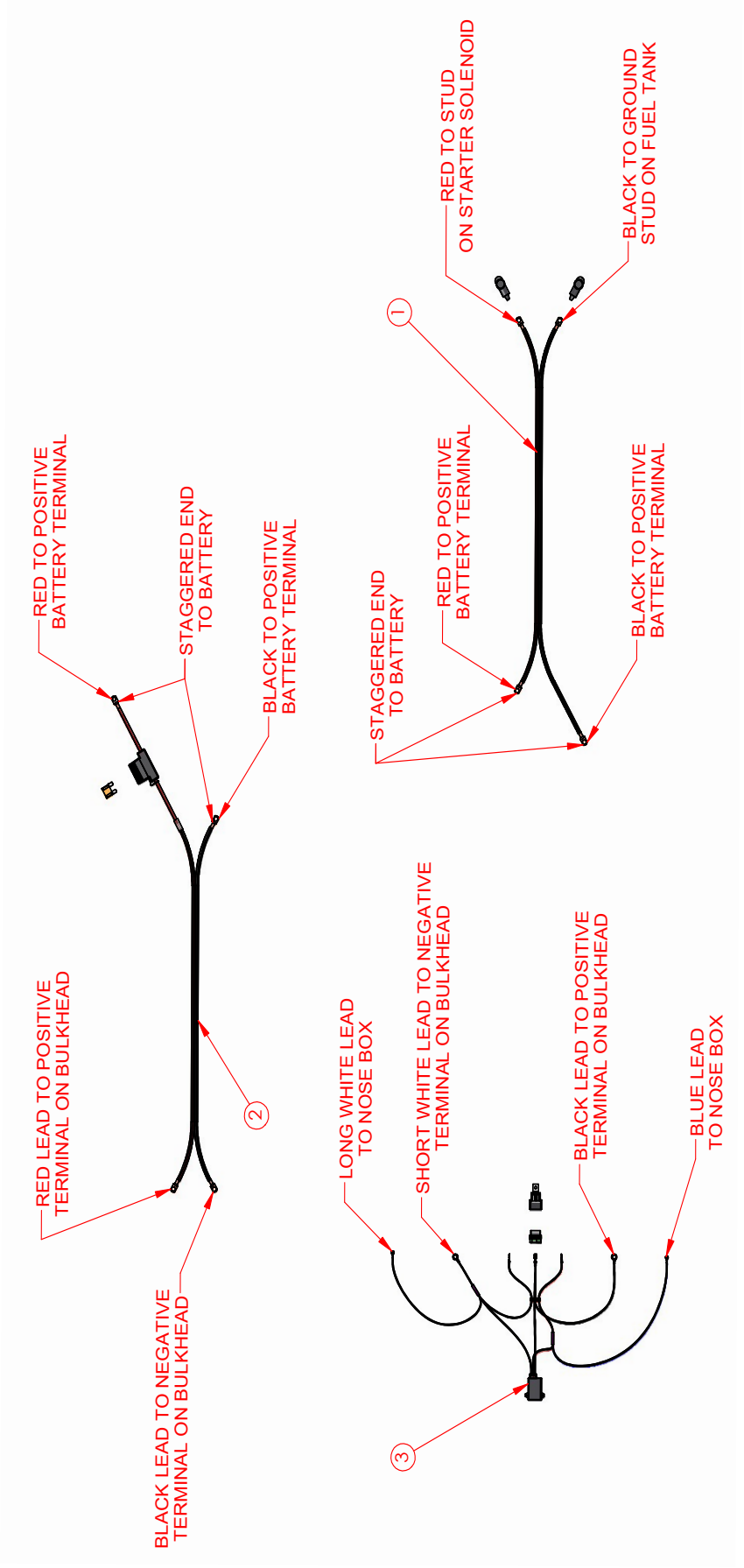


DETAIL A
SCALE 1 : 8

DETAIL B
SCALE 1 : 4

DETAIL C
SCALE 1 : 6

BOM ID	Qty	Item No	Description
1	1	4W038000	BATTERY TO PUMP STARTER
2	1	4W039000	BATTERY TO BULKHEAD TERMINAL
3	1	5W001100	LIQUID TENDER ACC BATTERY CHARGER KIT



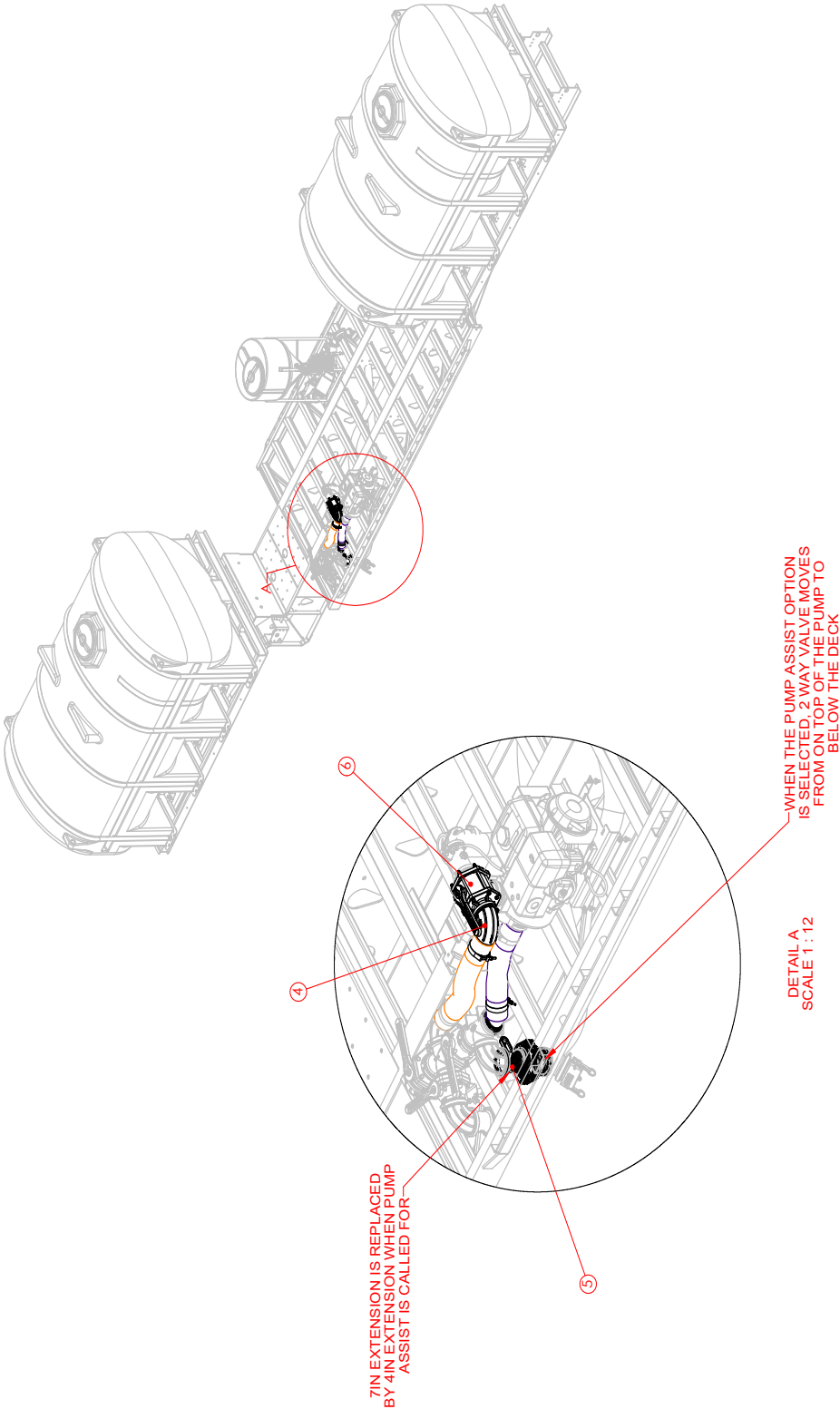
A pump is included with the Demco Standard Plumbing Package and the Demco Deluxe Plumbing Package. It is designed with a 3" self-priming, 13hp, electric start, cast pump housing, and Honda Engine.

**JOHN BLUE CAST IRON WET SEAL PUMP ASSEMBLY
1AM0335013H**



A complete Parts & Instruction Manual (including installation & maintenance information) is available from Joh Blue Company at johnblue.com or by calling 1-800-253-2583.

BOM ID	Qty	Item No	Description
1	1	1AM300BRB45	3" FLANGE X 3" HOSE BARB 45 DEGREE
2	1	1AM300G0000	3" EPDM FLANGE GASKET
3	1	1AMFC300000	3" FLANGE CLAMP
4	1	1AMM300BS90	3" HOSE BARB X 3" MANIFOLD FLANGE SWEEP
5	1	1AMM300CPG0	3" X 3" MANIFOLD COUPLING
6	1	1AMMV300BL0	3" FULL PORT MANIFOLD STUBBY 3-WAY VALVE
7	2	1AMTC343000	3" T-BOLT HOSE CLAMP, 3 7/16" - 3 3/4"



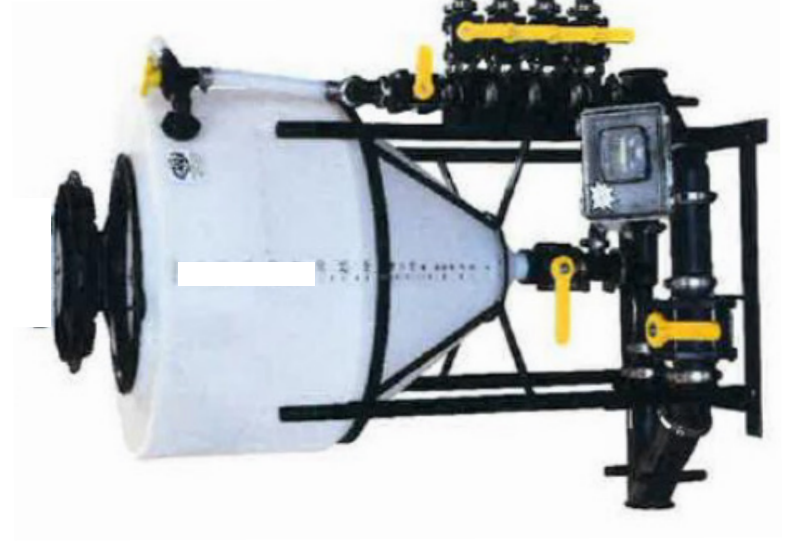
Demco Liquid Tender Trailers have the option of adding a Multi-Product Inductor Cone (MIC). The Standard Inductor Cone includes a 60 gal. cone, handfill only, with venturi and jug rinse. The Deluxe Inductor Cone adds a 4 valve manifold for filling from totes and adds a flow meter.

The Inductors are designed to be installed on the pressure side of the pump to avoid contamination into the main water tanks.

Standard Inductor Cone
1AM00C160V3



Deluxe Inductor Cone
1AM00060V34





4010 320th St., Boyden, IA. 51234

Phone: (712) 725-2311

Fax: (712) 725-2380

Toll Free: 1-800-54DEMCO (1-800-543-3626)

**Demco warranty policies, operator manuals, and product registration
can be found online:**

www.demco-products.com