

Water Truck Off Road Articulated Schematics

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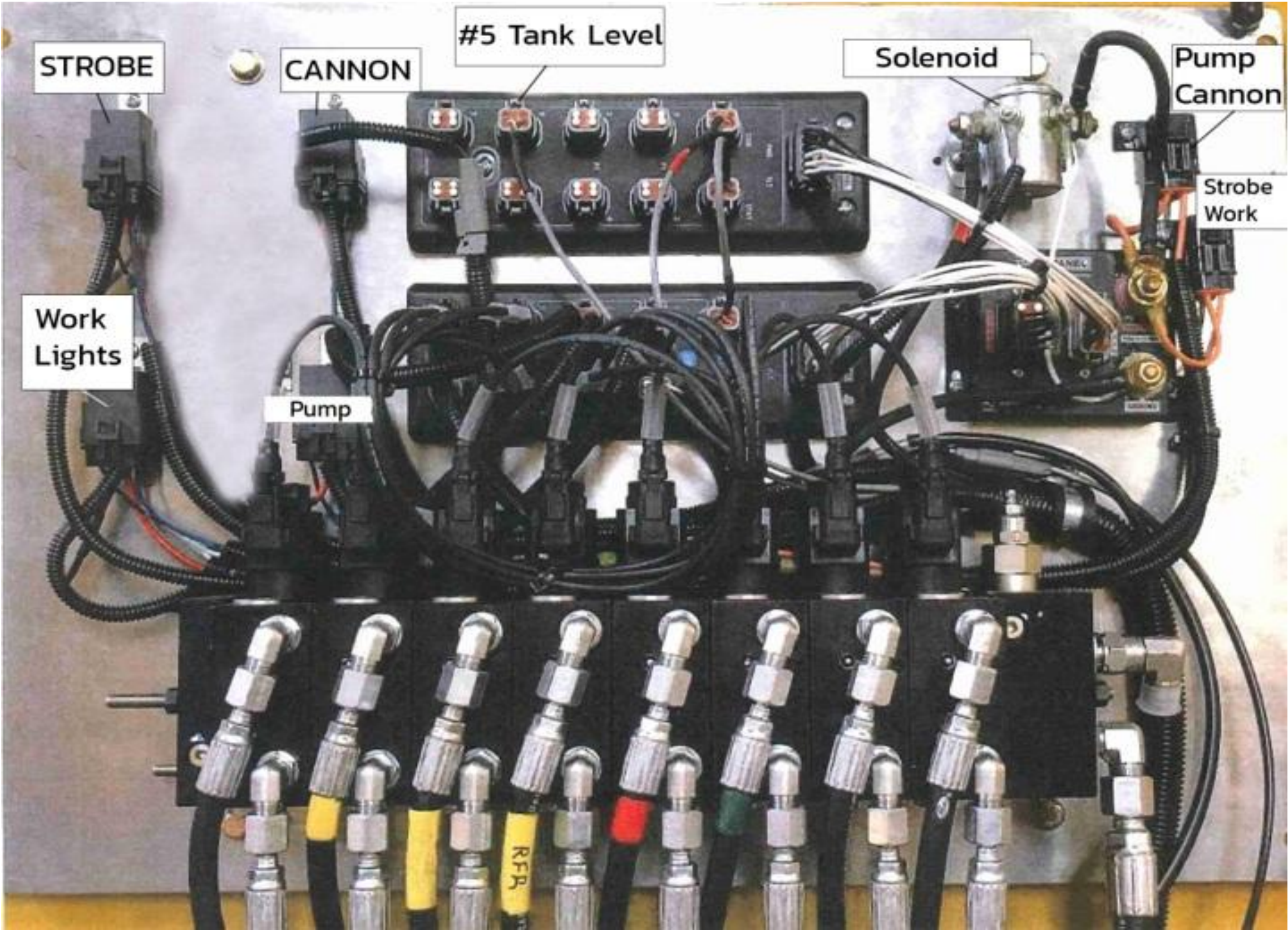
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Komatsu Standard Set Up Sprinkler Mode New Design.....Pg 24

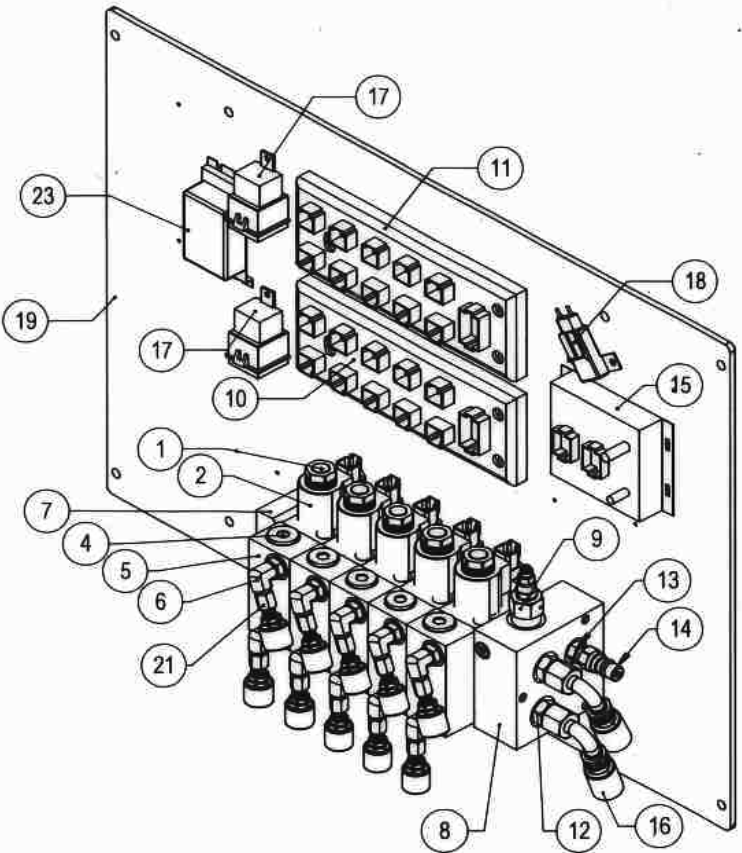
CAUTION

PLEASE CONTACT CURRY SUPPLY COMPANY BEFORE ATTEMPTING ANY CHANGES TO THE ELECTRICAL SYSTEMS. DOING SO MAY CAUSE EQUIPMENT DAMAGE OR VOID WARRANTY.



ITEM NO.	QTY.	PART NO.	STOCK DESC.
1	5	805314219	VALVE, SOLENOID, SV10-24-01-00-00-B-00
2	5	171149519	24V DE COIL, M16-24D-26W-DE
3	5	11169108	VALVE, CHECK, RPC06-5-00 PO
4	5	920000619	PLUG, CAVITY, NCS06/0
5	5	11195193	MVB10-W-LH-6S
6	10	6801-4-6	FITTING, 1/4 JIC - 3/8 MOR, 90 DEG, STEEL
7	1	11187937	MVB10-E
8	1	11233610	INLET W/CAVITY FOR REDUCING VALVE
9	1	83020488	VALVE, REDUCING, PRMP PRMP 064-EN-1-00-35
10	1	DP-34044-5-100	OUTPUT BLOCK (COMPUTER)
11	1	DP-34044-1	INPUT/OUTPUT COMBO BLOCK
12	2	6400-8	FITTING, 1/2" MJ - 1/2" MB
13	1	6401-6-4	FITTING, 3/8" MB - 1/4" MP, STEEL
14	1	H2F2	FITTING, PLUG, 1/4" COUPLING - FP
15	1	DP-37055-2	2 CONNECTOR POWER SPLITTER
16	2	G25179-0808X	FITTING, 1/2" HOSE - 1/2" FJ SWIVEL, 90 DEG SHORT, STEEL
17	2	H41388541	RELAY, 24V, WATER PROOF, 10/20A
18	1	784623	FUSE HOLDER, IN-LINE, ATO/ATC
19	1	1594-3300	OFF ROAD HYD. VALVE BOX
20	10		SPRAY HEAD HOSE CONNECTIONS
	20	G25170-0404X	FITTING, 1/4" HOSE - 1/4" FJ SWIVEL, STEEL
	-	4657-0120	HOSE, 1/4", HYDRAULIC, MEDIUM PRESSURE
23	1	PST-DCZ0903-W	CONVERTER, 12/24V - 9V DC
24	2	5ZMU8	SOCKET, WATER PROOF RELAY, WITH LEADS

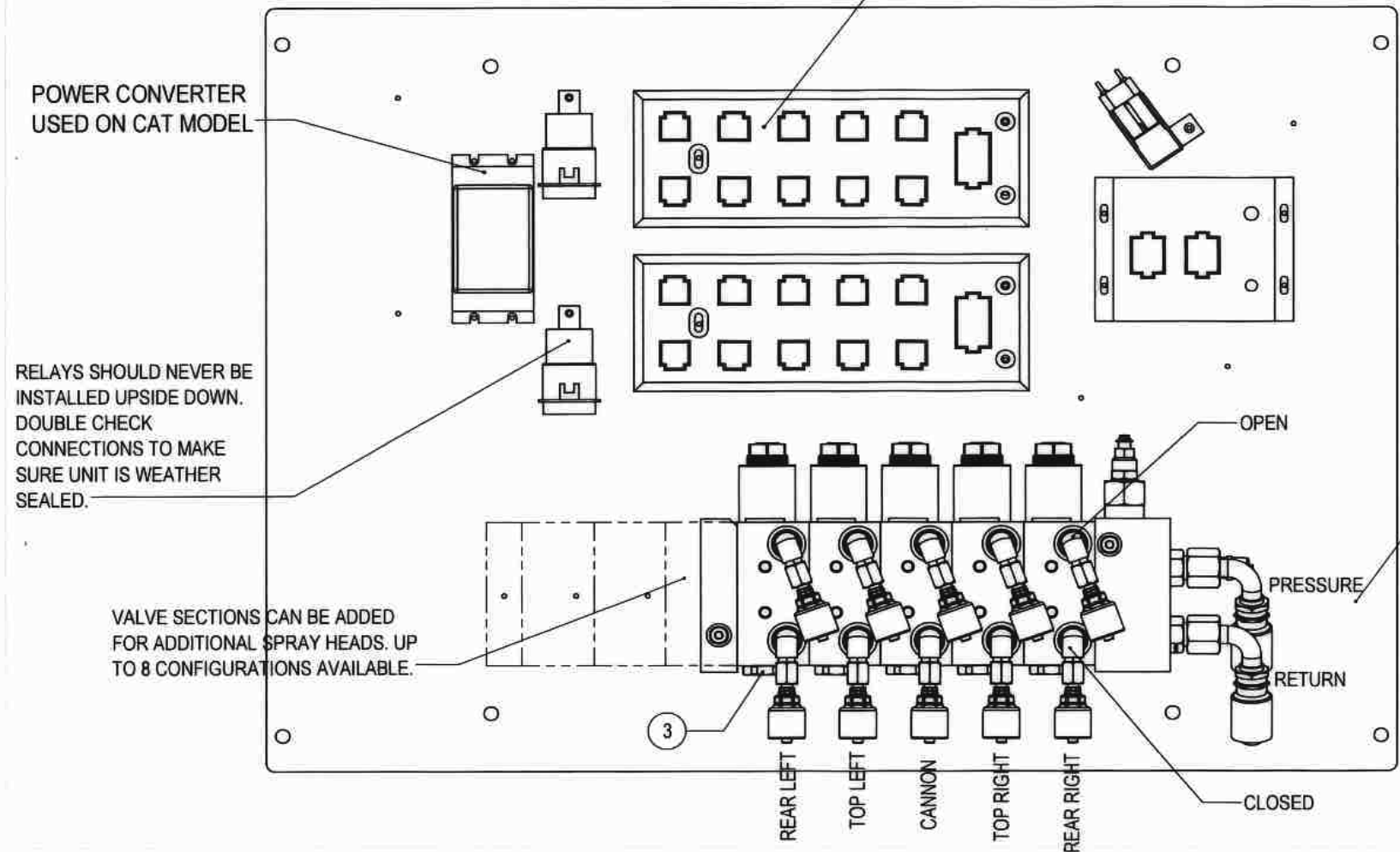
ITEMS NOT SHOWN			
QTY.	PART NO.	STOCK DESC.	NOTES
1	DP-33026-3-002	KEYPAD/DISPLAY, 24V DC	
1	DP-34042-402	TERMINAL RESISTOR	LOCATED ON THE BACK OF THE CONTROL PAD
2	M-D185-XDBKIT	18 PIN CONNECTOR KIT	
1	DP-38022-400	PSF-2 CONNECTOR KIT	
1	RAM-202U	RAM MOUNT, 2.5" BASE	
1	RAM-107BU	RAM MOUNT, 1.5" RUGGED BASE	
1	RAM-201U	RAM MOUNT, DOUBLE SCKET ARM	
1	-	PVAS ASSMEBY KIT	ROD CONNECTOR KIT. PART NUMBERS DIFFER BASED ON THE AMOUNT OF VALVES USED.
3	7072-77501-7540060	Y-CABLE, 2' LENGTH	



COMBO OUTPUT BLOCK IS USED WITH A TANK FILL INDICATOR. WHEN A TANK IS EQUIPPED WITH A DIGITAL LEVEL INDICATOR, TOGGLING THE BOTTOM RIGHT BUTTON ON THE CONTROL PANEL BRINGS UP THE FILL DISPLAY ON THE CONTROLLER IN THE CAB.

ITEMS 1,2,3,4,5,6, 7, & 8 ARE TIED TO THE SPRAY HEAD COUNT. THIS ASSEMBLY MAKES UP THE CONTROL SYSTEM FOR (1) SPRAY HEAD UNIT.

OPEN CIRCUIT ALLOWS THE SPRAY HEAD TO BE OPEN AND PUSH WATER. CLOSED CIRCUIT HOLDS HYDRAULIC PRESSURE TO KEEP THE SPRAY HEAD CLOSED. CHECK VALVE (3) KEEPS THE SYSTEM PRESSURE FROM BLEEDING OFF WHEN VALVE IS CLOSED.



PART NO.	1634-7800
TOLERANCES:	UNLESS OTHERWISE SPECIFIED:
FRACTIONAL:	± 1/8"
ANGULAR:	± 1°
TWO PLACE DECIMAL:	± .01"
THREE PLACE DECIMAL:	± .005"
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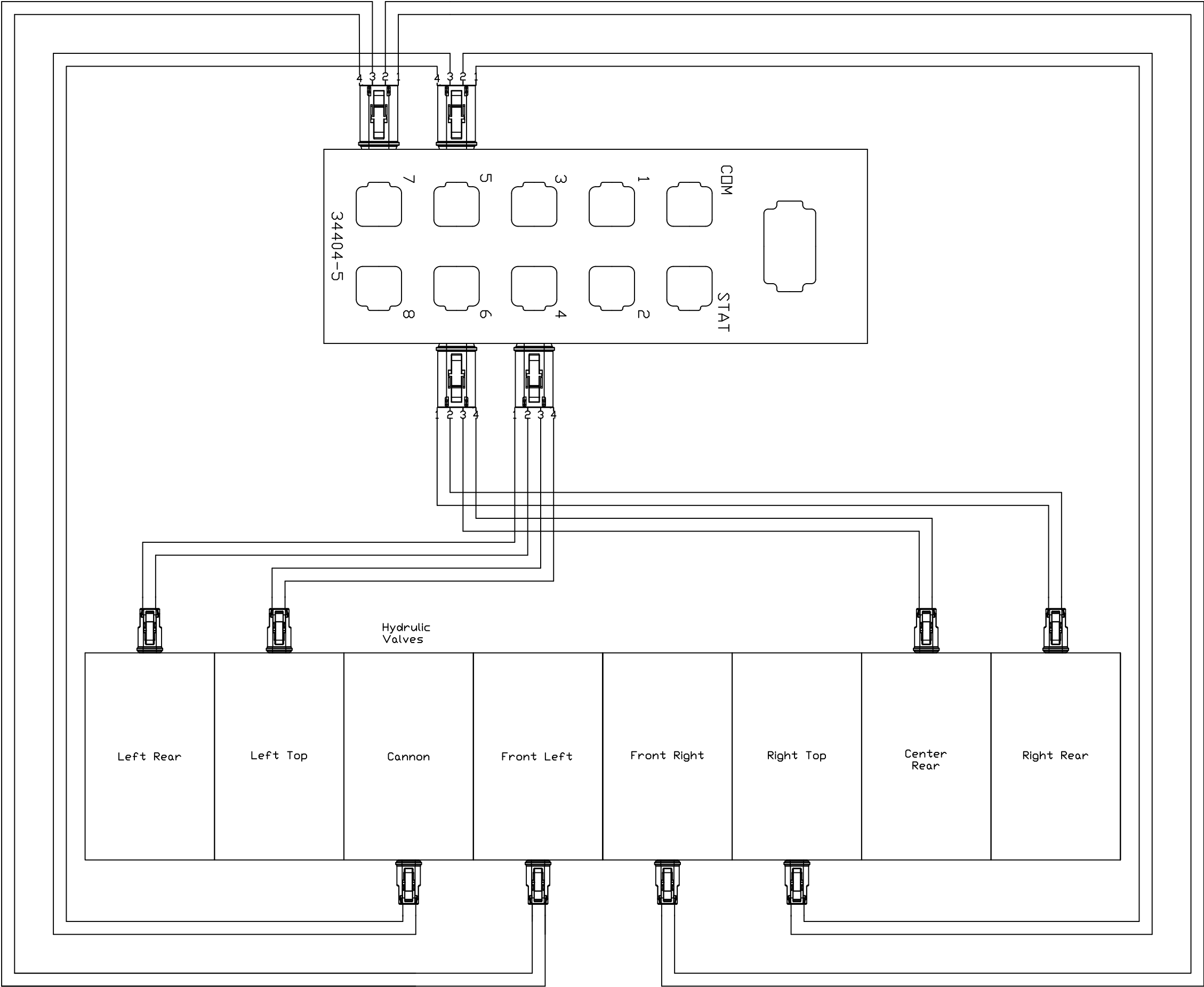
NAME	DATE
MODEL BY: MLC	10/02/20
DRAWN BY: MLC	10/02/20
MATERIAL	ASM
PROCESS	A
THICKNESS	
UNITS	in
DO NOT SCALE DRAWING	



Curry Supply Co.

TITLE: HYDRAULIC VALVE SYSTEM, OFF ROAD WATER, 5 VALVE

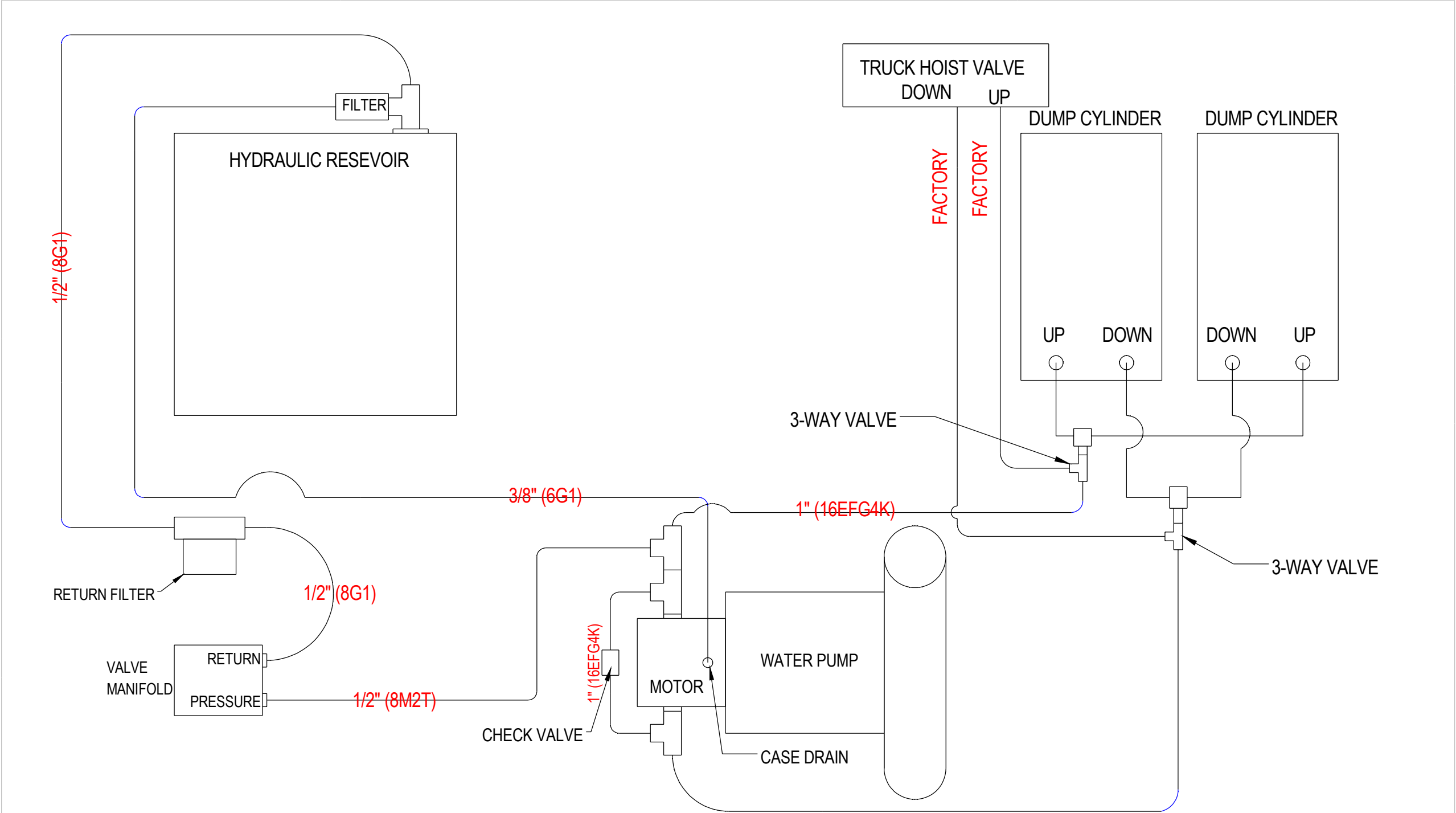
SIZE	DRAWING NO.	REV
B	1634-7800	0
WEIGHT:		



1



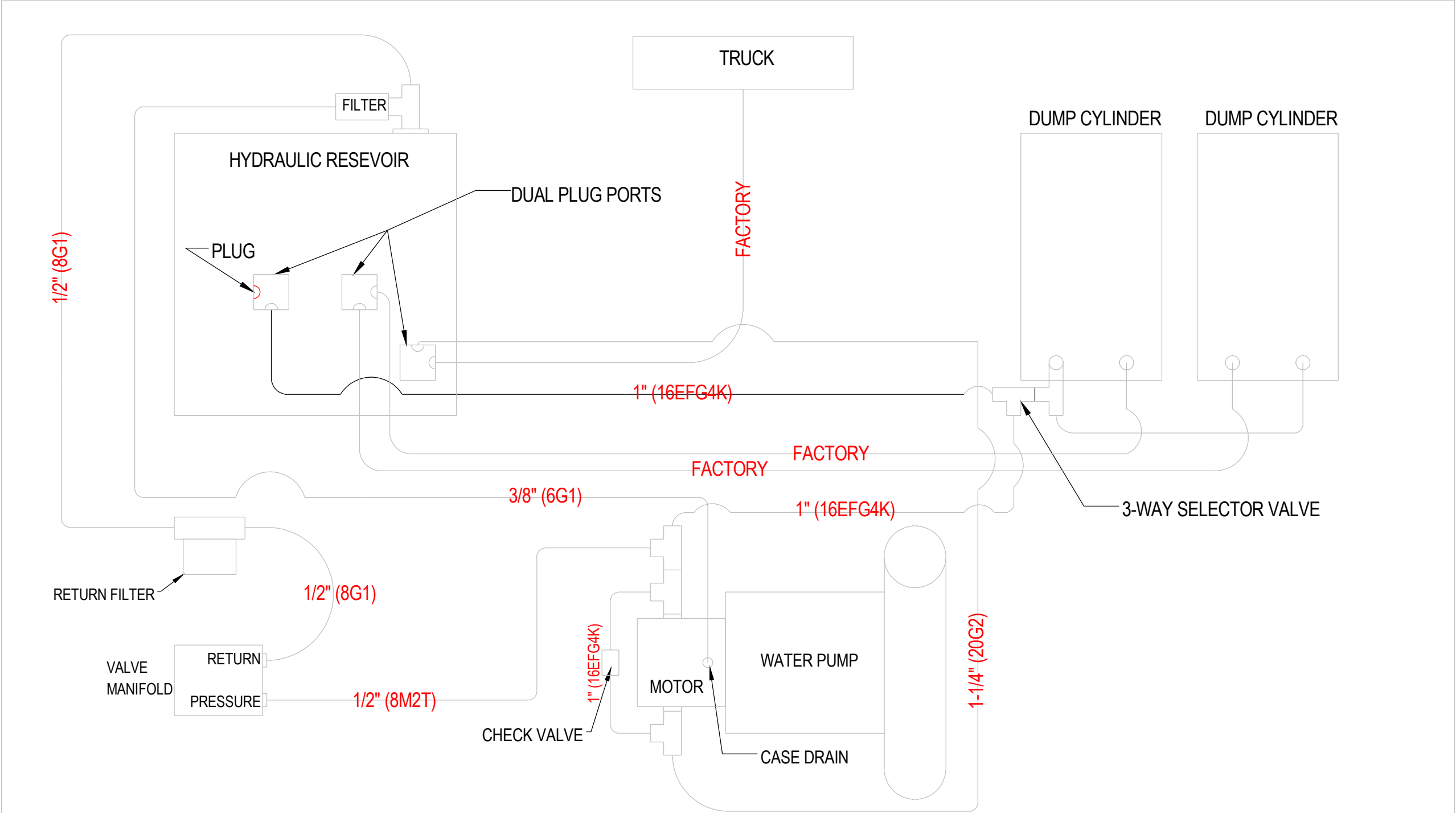
TITLE: ARTIC 2 SIDES 3 REAR 2 FRONT W/ LEVEL SENSOR		DATE: 5/24/2023
SIZE A3	DRAWING NO. 2187-1025	REV 5
SCALE: NTS	DRAWN BY: JS	SHEET 3 OF 4



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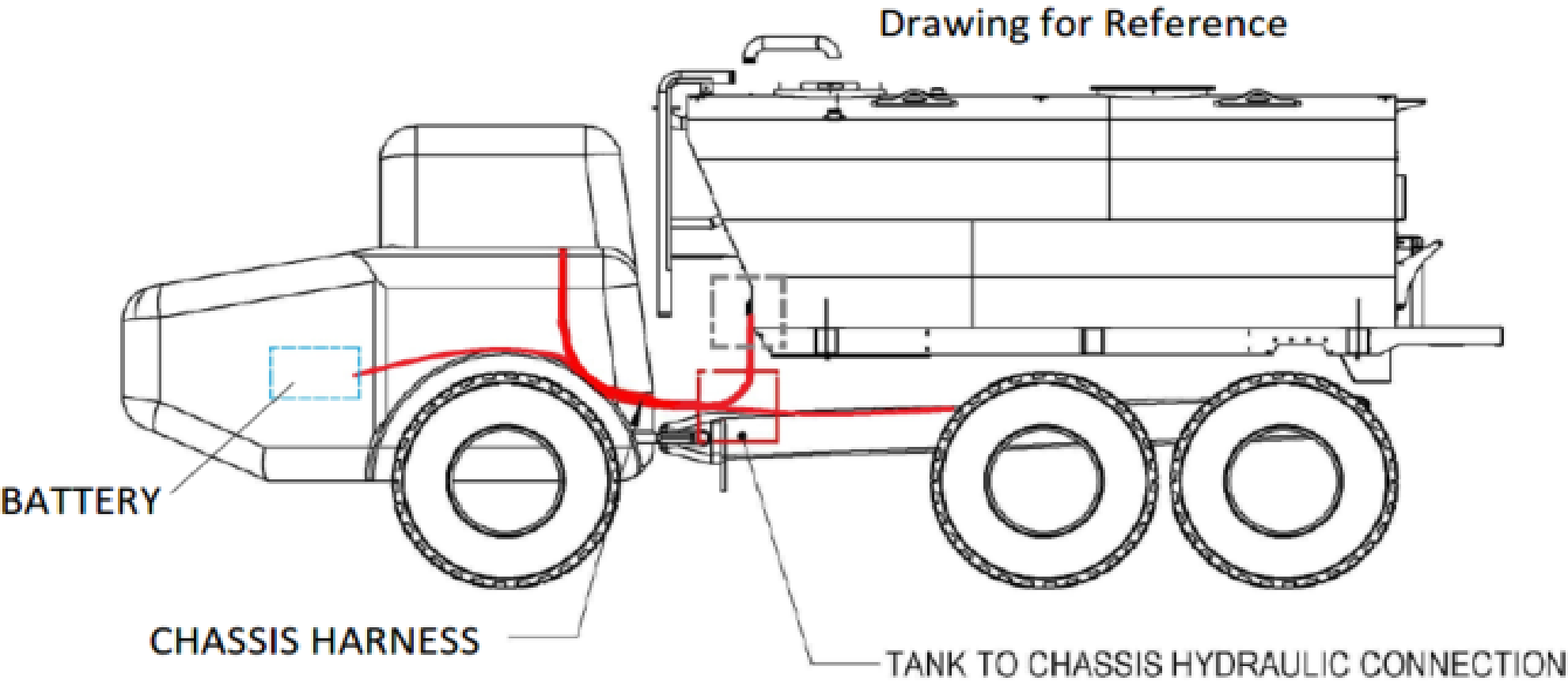
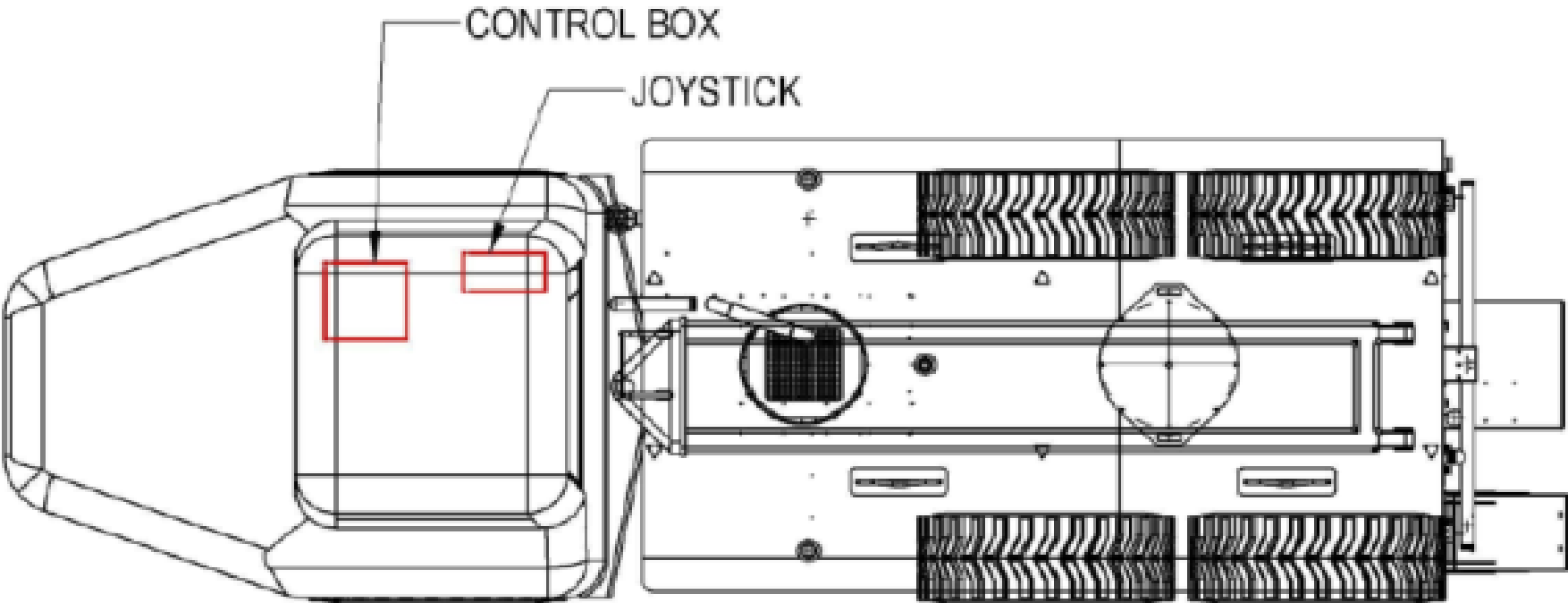
JOB NUMBER		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DRAWING NO.		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/8" ANGULAR: MACH ± BEND ± 1° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005	MODEL BY:		
QUANTITY			DRAWN BY:	MLC	3/22/17
CUSTOMER			ENG APPR.		
DESIGN STATUS		ALL TOLERANCES ARE ± 1/8" UNLESS NOTED.	MFG APPR.		
THICKNESS		MATERIAL	Q.A.		
UNITS		Process	COMMENTS:	NO MODEL - DRAWING ONLY	
APPLICATION		DO NOT SCALE DRAWING			

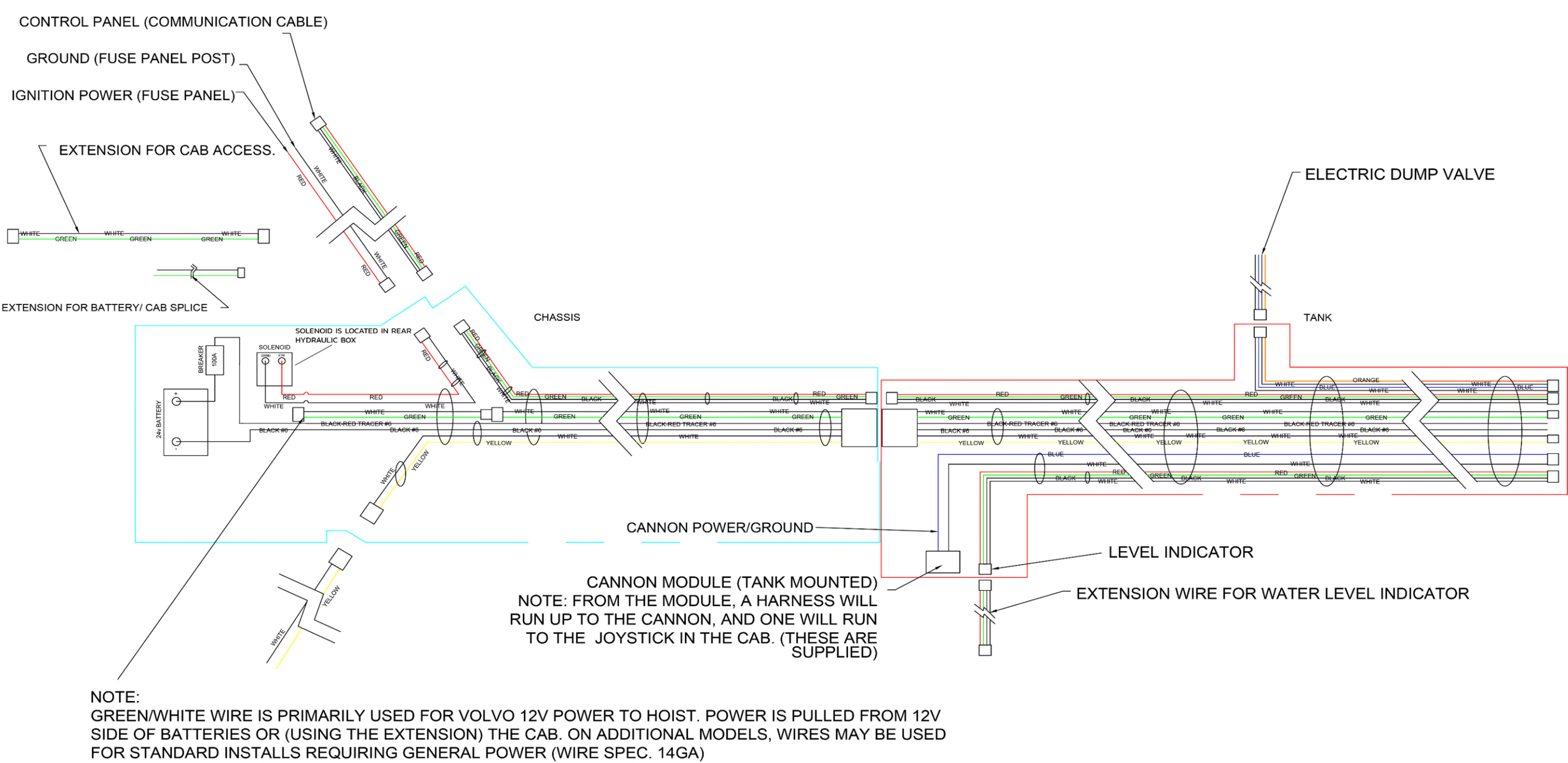
Curry Supply Co.		
TITLE:		
2-LINE DUMP CYLINDER CONNECTIONS		
SIZE	PART NO.	REV
A	1630-1100	
		SHEET 2 OF 2

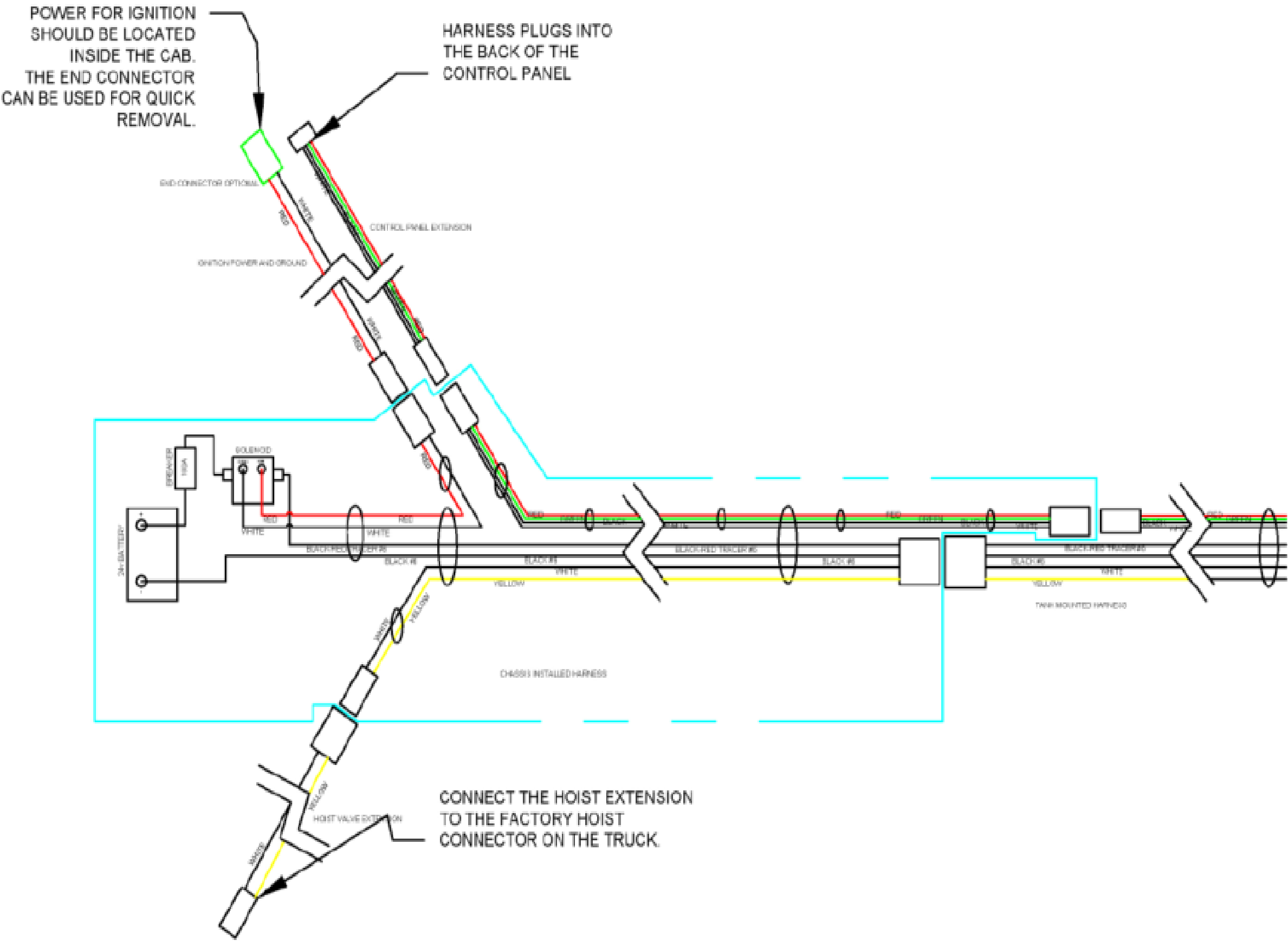


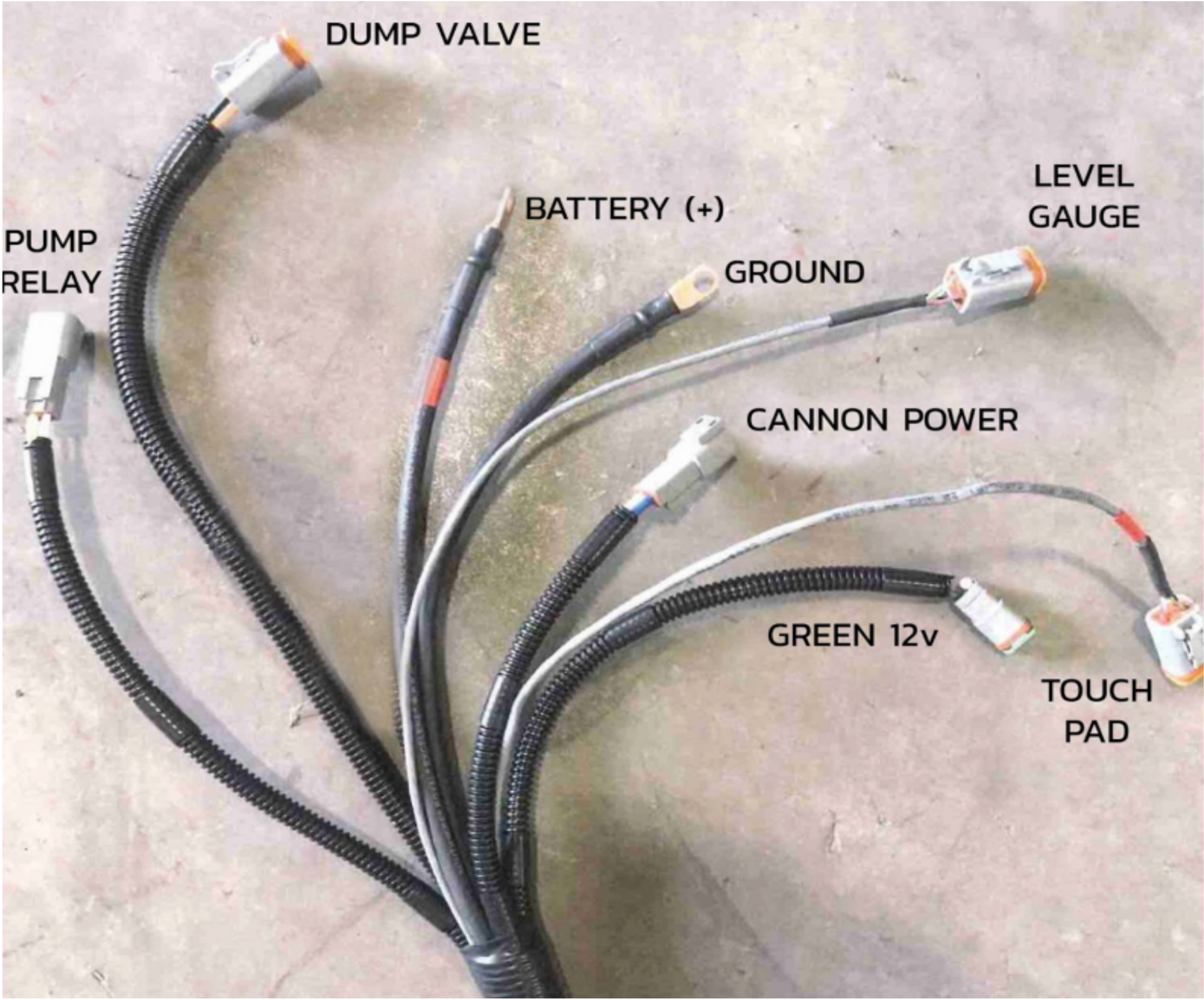
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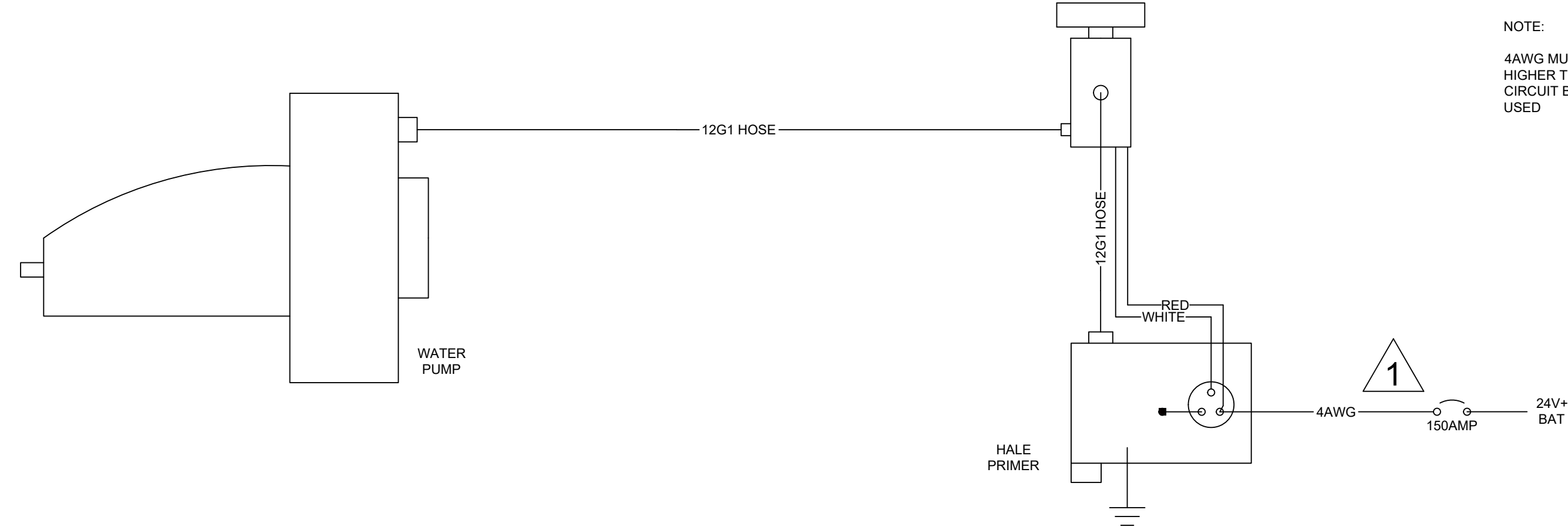
JOB NUMBER		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Curry Supply Co. TITLE: 4-LINE DUMP CYLINDER CONNECTIONS SIZEPART NO. REV A1630-1000 SHEET 1 OF 2		
DRAWING NO.		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/8" ANGULAR: MACH± BEND ± 1° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005	MODEL BY:					
QUANTITY			DRAWN BY:	MLC	3/22/17			
CUSTOMER			ENG APPR.					
DESIGN STATUS			MFG APPR.					
THICKNESS		ALL TOLERANCES ARE ± 1/8" UNLESS NOTED.	Q.A.			NO MODEL - DRAWING ONLY		
UNITS		MATERIAL	COMMENTS:					
		Process						
APPLICATION		DO NOT SCALE DRAWING						











NOTE:
4AWG MUST BE RATED
HIGHER THAN THE
CIRCUIT BREAKER
USED



TITLE:HALE PRIMER ISTALL HYDREMA		DATE 5/6/24
SIZE	DRAWING NO. 2187-1030	REV 1
SCALE: NTS	DRAWN BY: JS	SHEET 2 OF 2

NOTES:
DRAWING NOT TO SCALE.
FOR REFERENCE ONLY.

REV.	ZONE	DESCRIPTION	BY	ECN NUMBER
B	C7, C8	ADDED NOTE ABOUT EXTENSION HARNESS 37527000 BEING USED BETWEEN THE JOYSTICK AND MODULE	KAP	170512

NITRO HD JOYSTICK
P/N 41067000

OPTIONAL: EXTEND LENGTH BETWEEN
MODULE AND JOYSTICK UP TO 75
FEET BY ADDING UP TO 5 EXTENSION
HARNESSES, P/N 37527000 HERE.

OPTIONAL: REMOVE JOYSTICK
FROM ENCLOSURE AND
USE AS PANEL MOUNT

10" HARNESS

NITRO HD MODULE
P/N 81824001

NITRO HD MONITOR
P/N 00008101

MODULE TO JOYSTICK HARNESS
P/N 37523000

MODULE TO MONITOR HARNESS
P/N 37522000

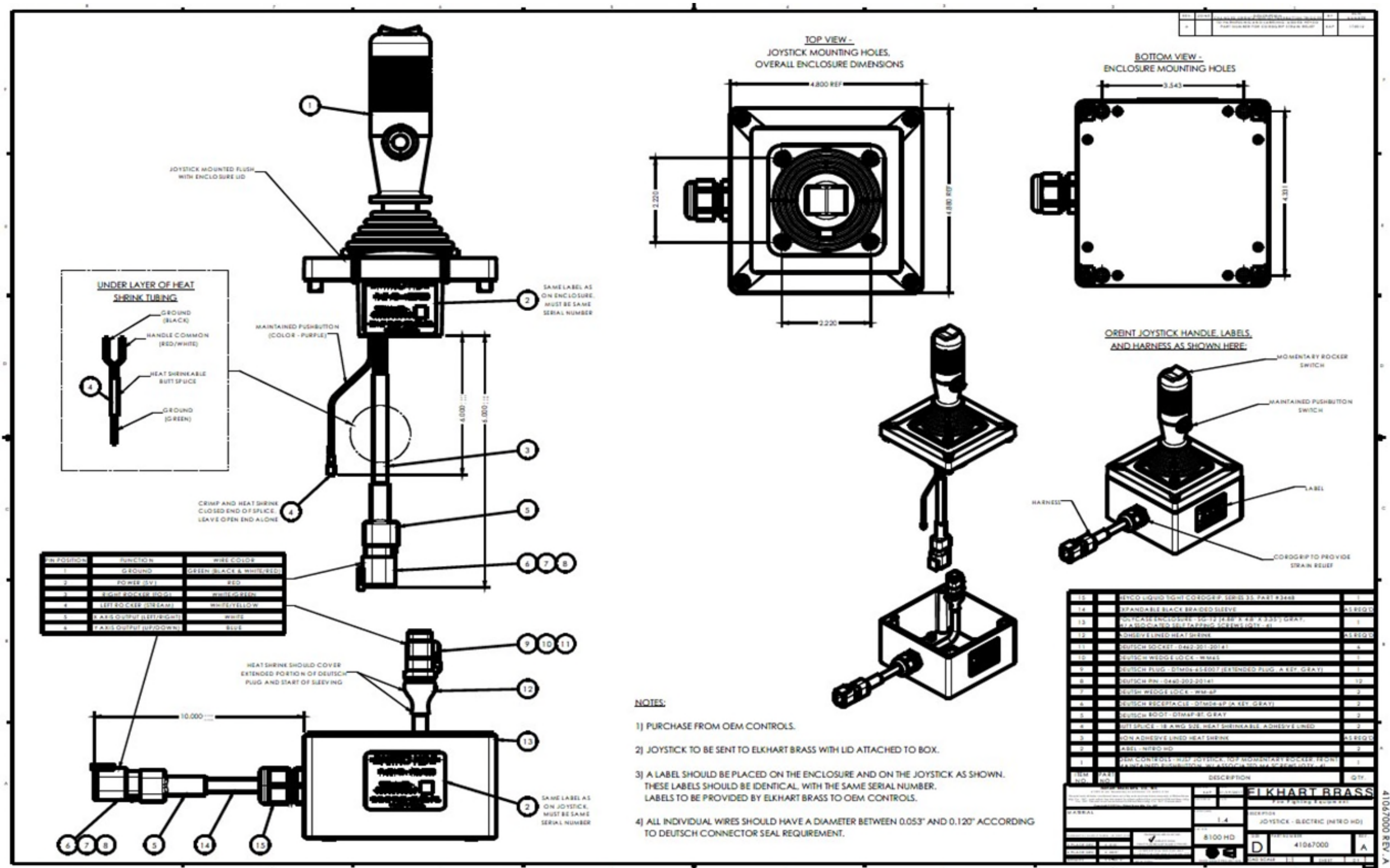
8' HARNESS SUPPLIED
BY ELKHART BRASS

POWER & GROUND LEADS
TO BE CONNECTED BY CUSTOMER,
1' LENGTH, HEAT SHRINKABLE SPLICES

15' HARNESS SUPPLIED
BY ELKHART BRASS

NITRO HD LAYOUT DRAWING, KIT #1

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MATERIAL N/A				WEIGHT (LBS) 13.3		DESCRIPTION NITRO HD (KIT #1)		
TOLERANCE UNLESS OTHERWISE SPECIFIED		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE PRINT		ASSEMBLY				
1 PLACE DEC. ± .12"								
2 PLACE DEC. REF		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M 1994		THIRD ANGLE PROJECTION				
ANGLES ± 1°								
CAD MODEL: 8100 HD				SIZE B		CATALOG NO. 8100 HD		REV. B
				CAD SCALE 1:1		SHEET 1		OF 1





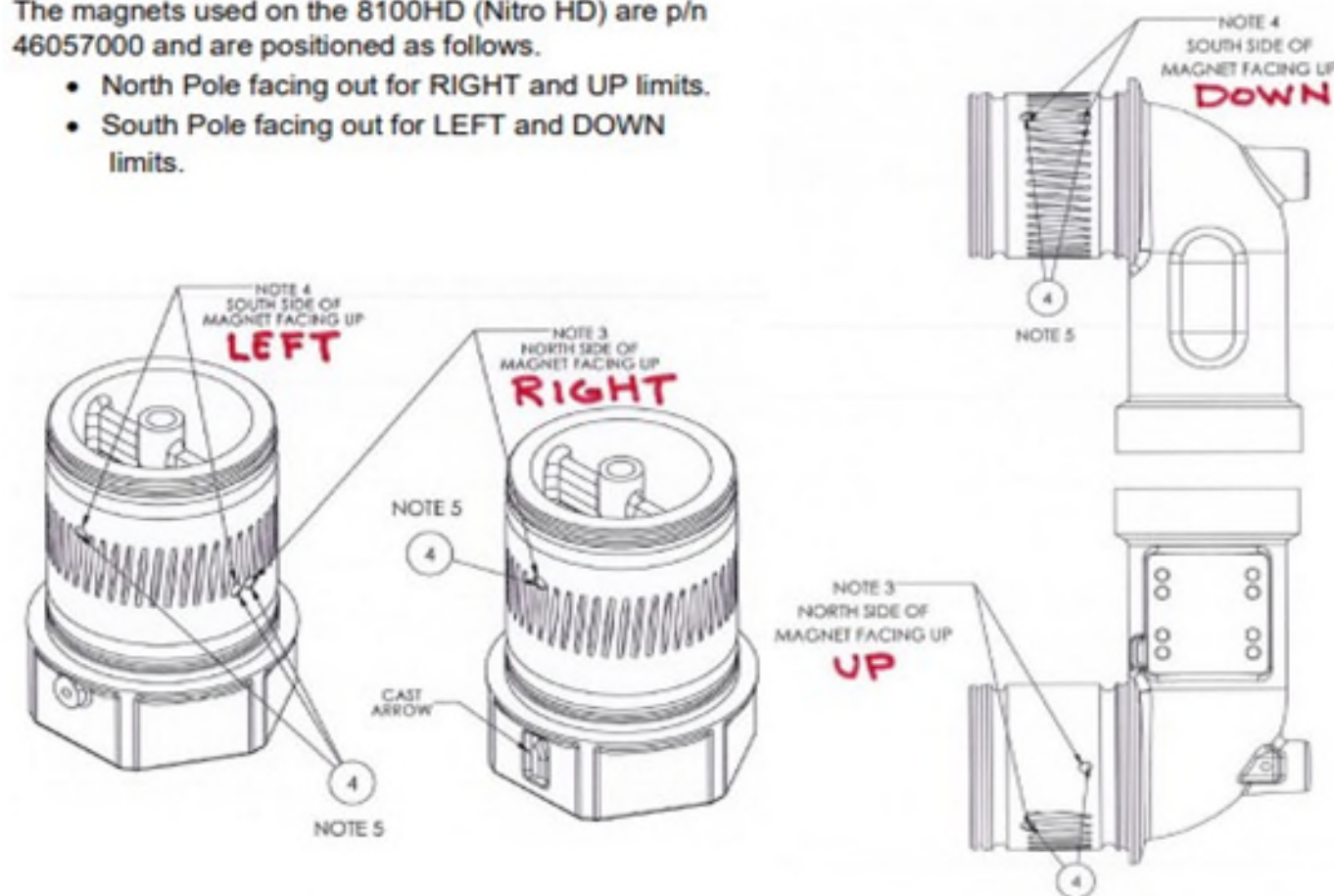
8100HD (Nitro HD) position sensor testing information

The position sensor used for controlling Vertical and Horizontal travel on the 8100HD (Nitro HD) is p/n 67566000.

- The sensors RED wire should have +5 volts on it.
- The sensors BLACK wire should be GROUND.
- The sensors GREEN wire should have;
 - Around +2.5v when no magnet is detected.
 - It should drop below +2.5 volts (around +1.5v) when detecting the North Pole of a magnet (RIGHT or UP).
 - It should go above +2.5 volts (around +3.5v) when detecting the South Pole of a magnet (LEFT or DOWN).

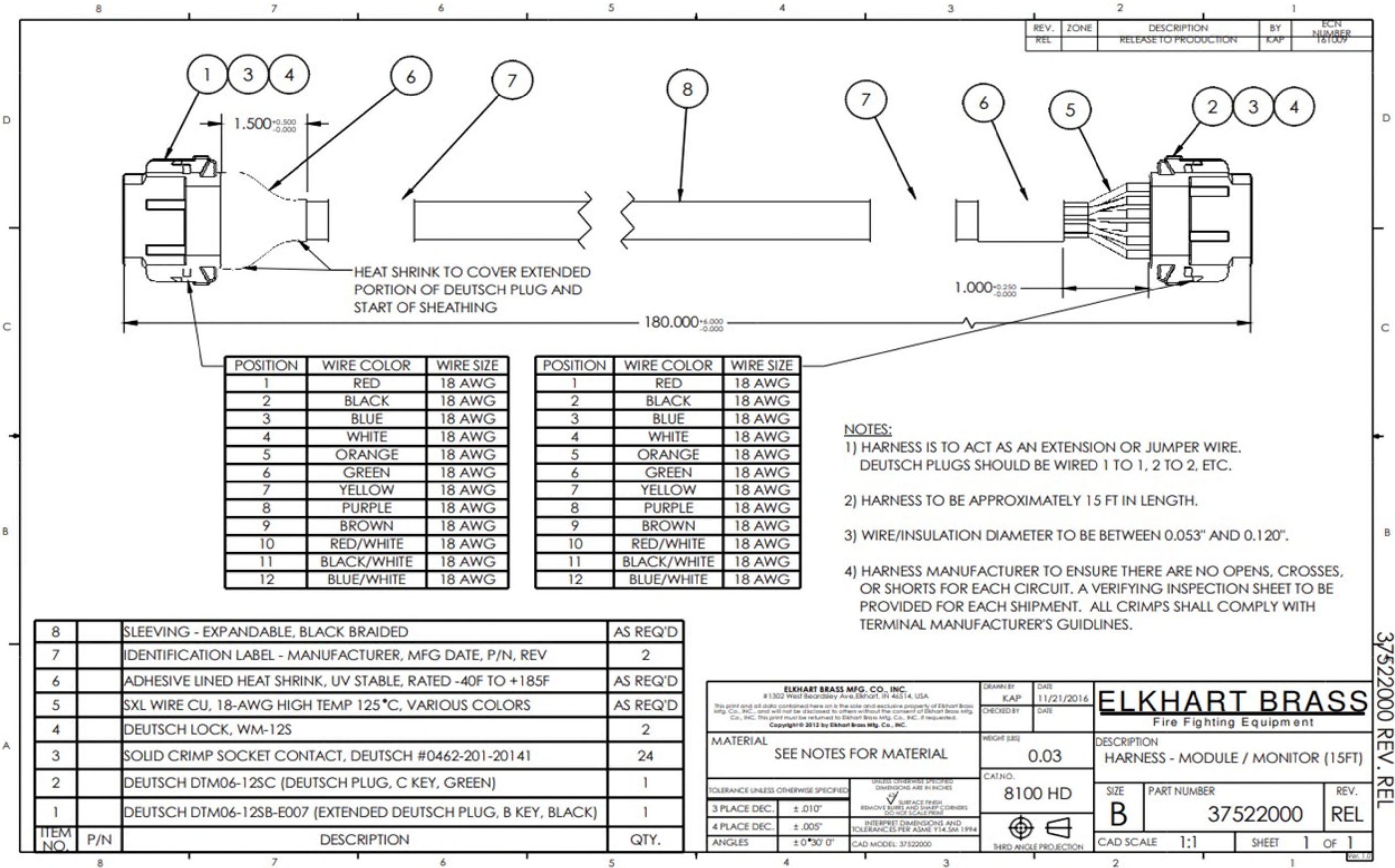
The magnets used on the 8100HD (Nitro HD) are p/n 46057000 and are positioned as follows.

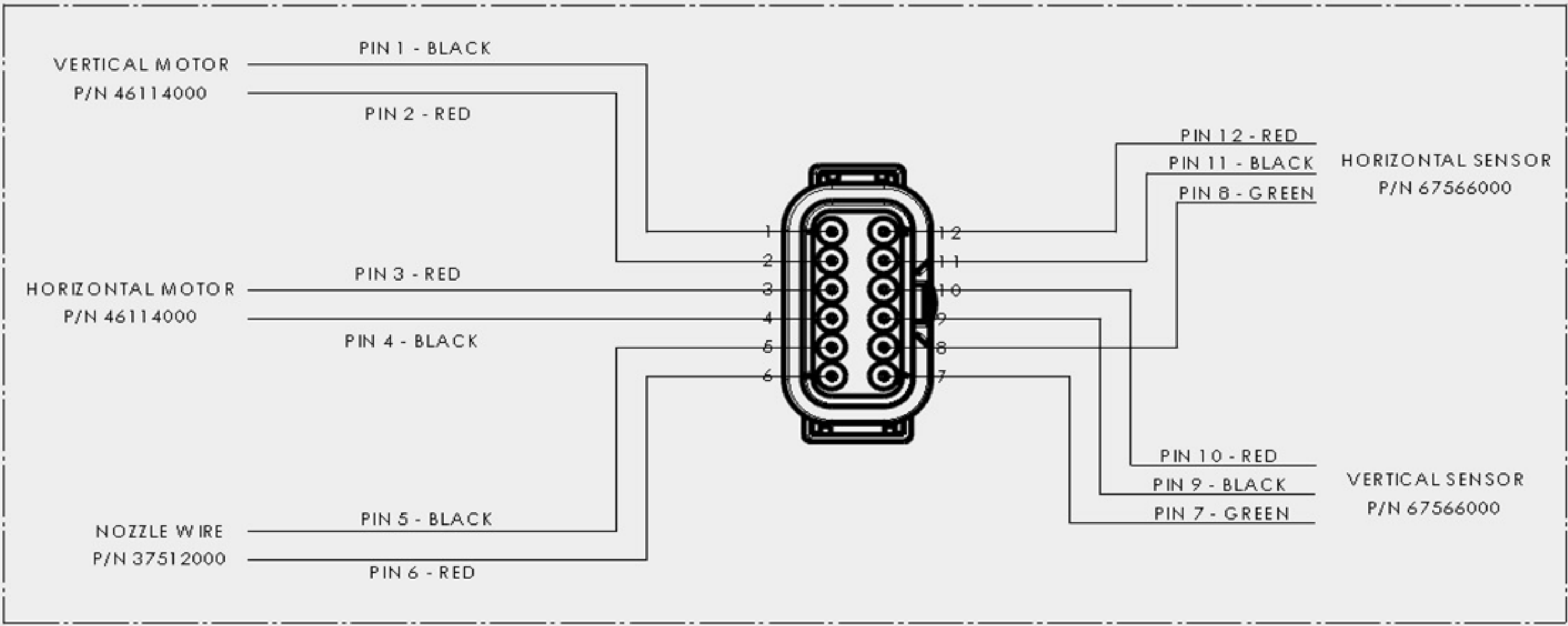
- North Pole facing out for RIGHT and UP limits.
- South Pole facing out for LEFT and DOWN limits.

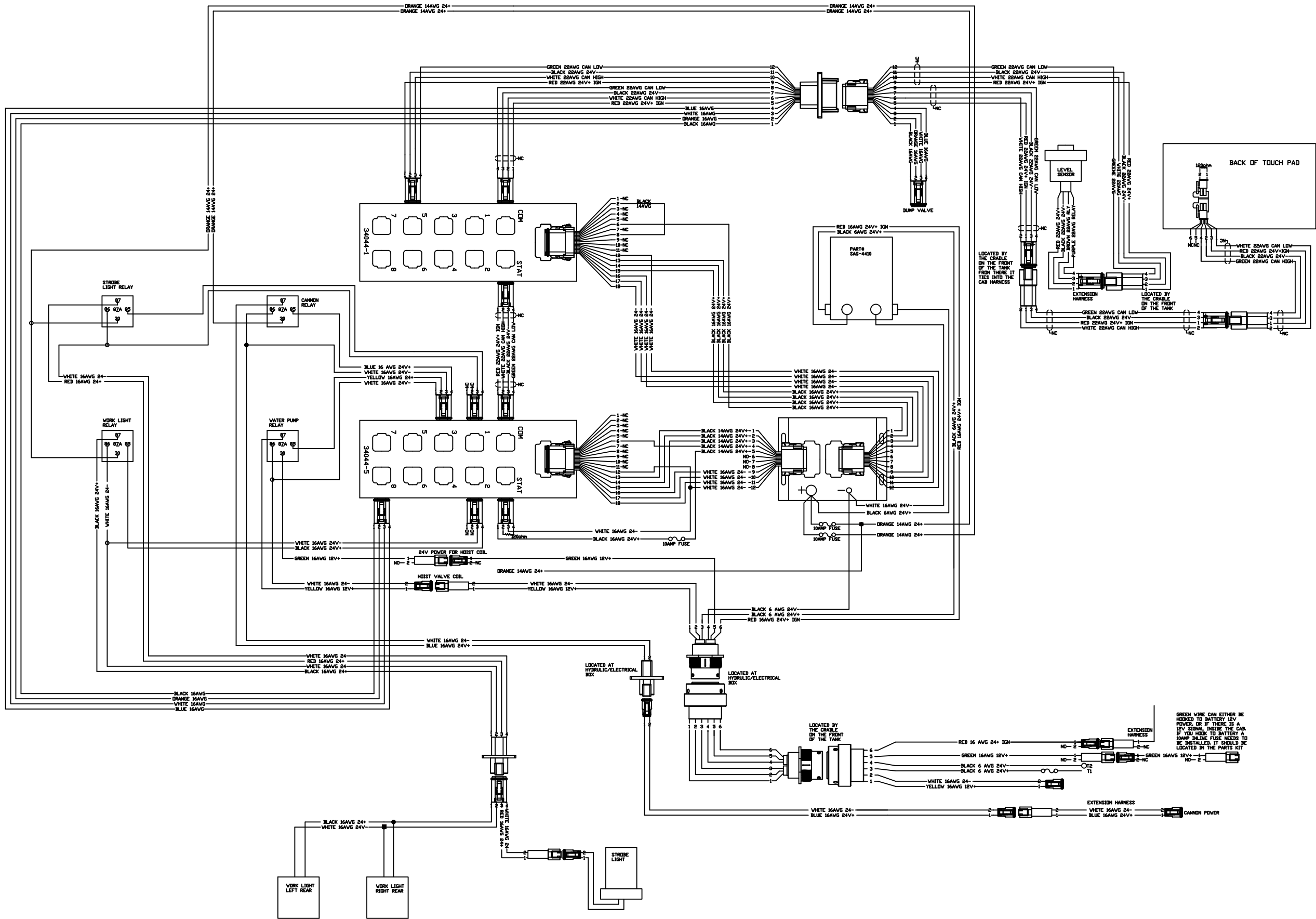


Last Revised 01/23/23

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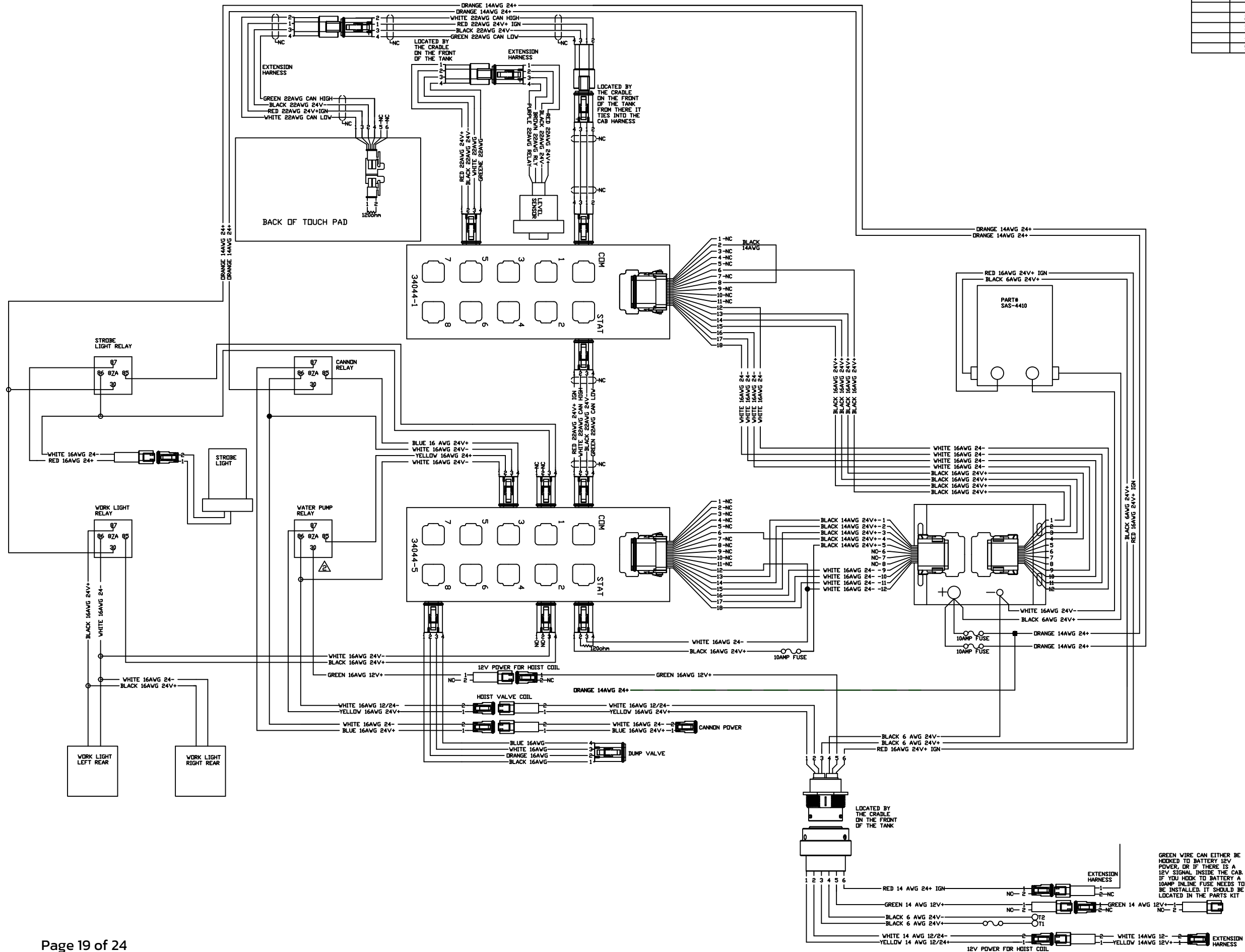




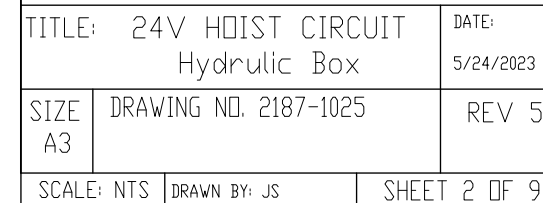
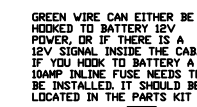


TITLE: 12V HOIST CIRCUIT Hydraulic Box New Design		DATE: 4/2/2024
SIZE A3	DRAWING NO. 2187-1025	REV 5
SCALE: NTS	DRAWN BY: JS	SHEET 1 OF 4

REVISION TABLE				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	added new hydraulic valve dwg on page 3	08/17/2023	JS
	2	added komatsu hoist circuit dwg	10/31/2023	JS
	3	ADDED VULKIN OFF ROAD CIRCUIT	12/12/2023	JS
	4	ADDED EPC SOL A	03/19/2024	JS
	5	ADDED NEW STYLE HYD BOX	04/02/2024	JS

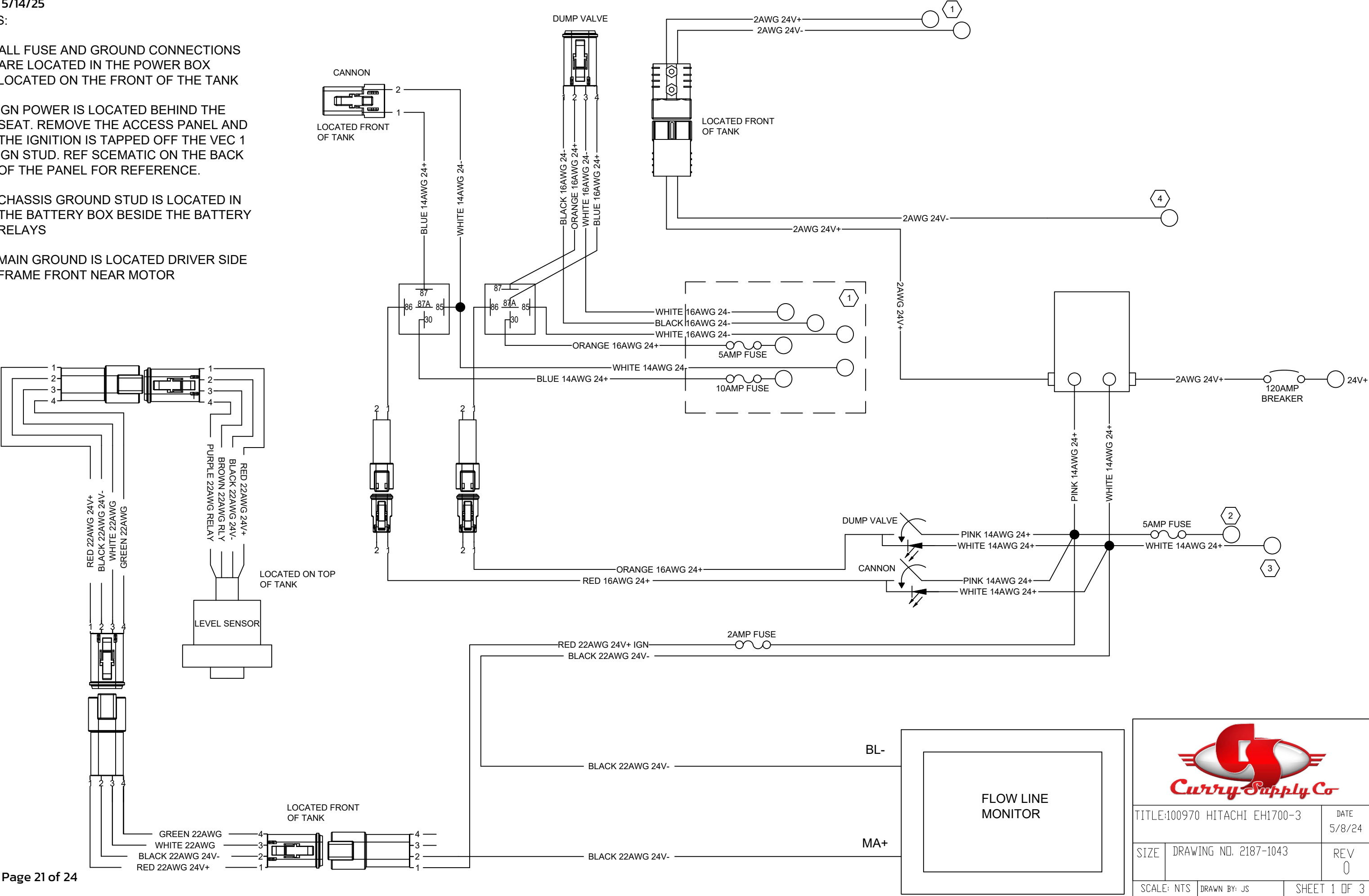


TITLE: 12V HOIST CIRCUIT Hydraulic Box		DATE: 5/24/2023
SIZE A3	DRAWING NO. 2187-1025	REV 5
SCALE: NTS	DRAWN BY: JS	SHEET 1 OF 4



NOTES:

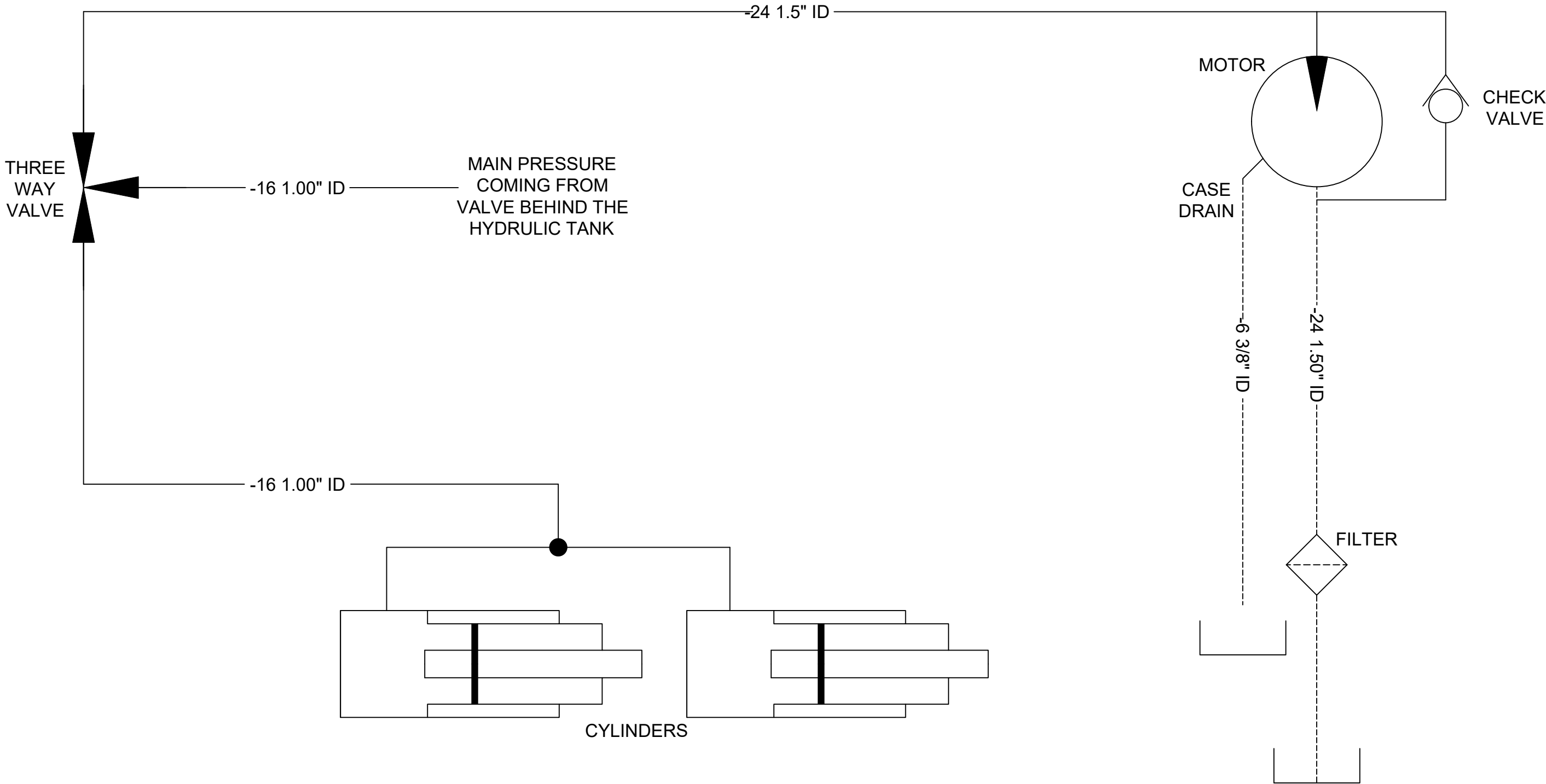
- 1
- ALL FUSE AND GROUND CONNECTIONS
ARE LOCATED IN THE POWER BOX
LOCATED ON THE FRONT OF THE TANK
- 2
- IGN POWER IS LOCATED BEHIND THE
SEAT. REMOVE THE ACCESS PANEL AND
THE IGNITION IS TAPPED OFF THE VEC 1
IGN STUD. REF SCHEMATIC ON THE BACK
OF THE PANEL FOR REFERENCE.
- 3
- CHASSIS GROUND STUD IS LOCATED IN
THE BATTERY BOX BESIDE THE BATTERY
RELAYS
- 4
- MAIN GROUND IS LOCATED DRIVER SIDE
FRAME FRONT NEAR MOTOR





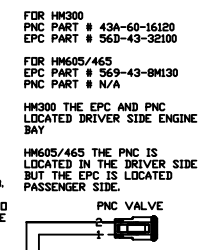
Curry Supply Co.

TITLE:100970 HITACHI EH1700-3		DATE 5/8/24
SIZE	DRAWING NO. 2187-1043	REV 0
SCALE: NTS	DRAWN BY: JS	SHEET 1 OF 3

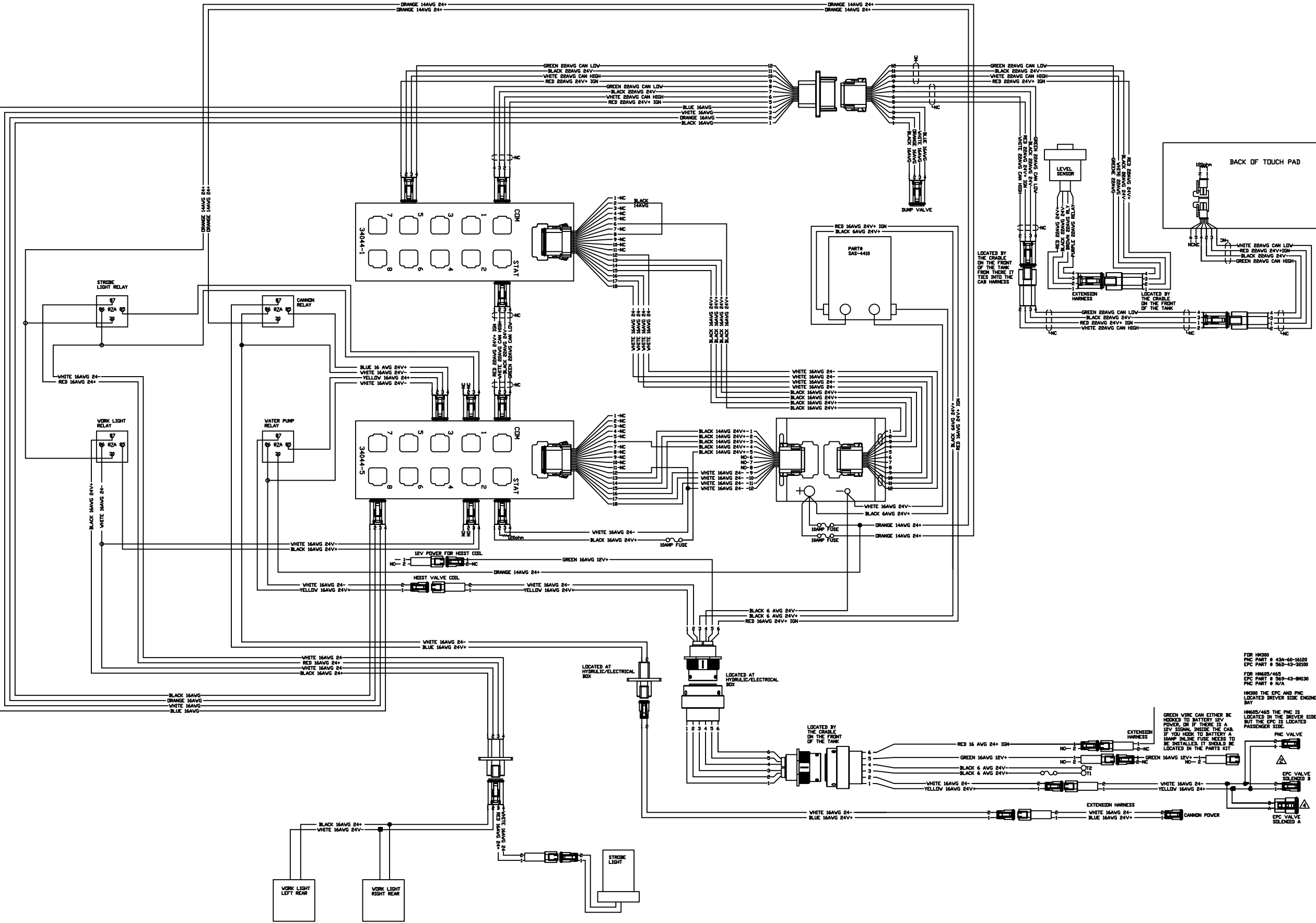




TITLE:100970 HITACHI EH1700-3		DATE 5/8/24
SIZE	DRAWING NO. 2187-1043	REV 0
SCALE: NTS	DRAWN BY: JS	SHEET 2 OF 2



TITLE: KOMATSU STANDARD SET UP IN SPRINKLER MODE OLD BOX		DATE: 5/24/2023
SIZE A3	DRAWING NO. 2187-1025	REV 5
SCALE: NTS	DRAWN BY: JS	SHEET 4 OF 4



FOR H4300
PNC PART # 430-60-16120
EPC PART # 560-43-32100

FOR H4605/465
EPC PART # 560-43-32100
PNC PART # N/A

H4300 THE EPC AND PNC
LOCATED DRIVER SIDE ENGINE
BAY

H4605/465 THE PNC IS
LOCATED IN THE DRIVER SIDE
BUT THE EPC IS LOCATED
PASSENGER SIDE.

PNC VALVE
EPC VALVE
SOLENOID B
SOLENOID A

GREEN WIRE CAN EITHER BE
HOOKED TO BATTERY 12V
POWER, OR IF THERE IS A
12V SIGNAL INSIDE THE CAR,
IF YOU HOOK TO BATTERY A
10AMP INLINE FUSE NEEDS TO
BE INSTALLED. IT SHOULD BE
LOCATED IN THE PARTS KIT

EXTENSION HARNESS
WHITE 16AWG 24+
BLUE 16AWG 24+
CANNON POWER



TITLE: KOMATSU STANDARD SET UP IN SPRINKLER MODE W/ NEW BOX		DATE: 4/2/2024
SIZE A3	DRAWING NO. 2187-1025	REV 5
SCALE: NTS	DRAWN BY: JS	SHEET 4 OF 4