

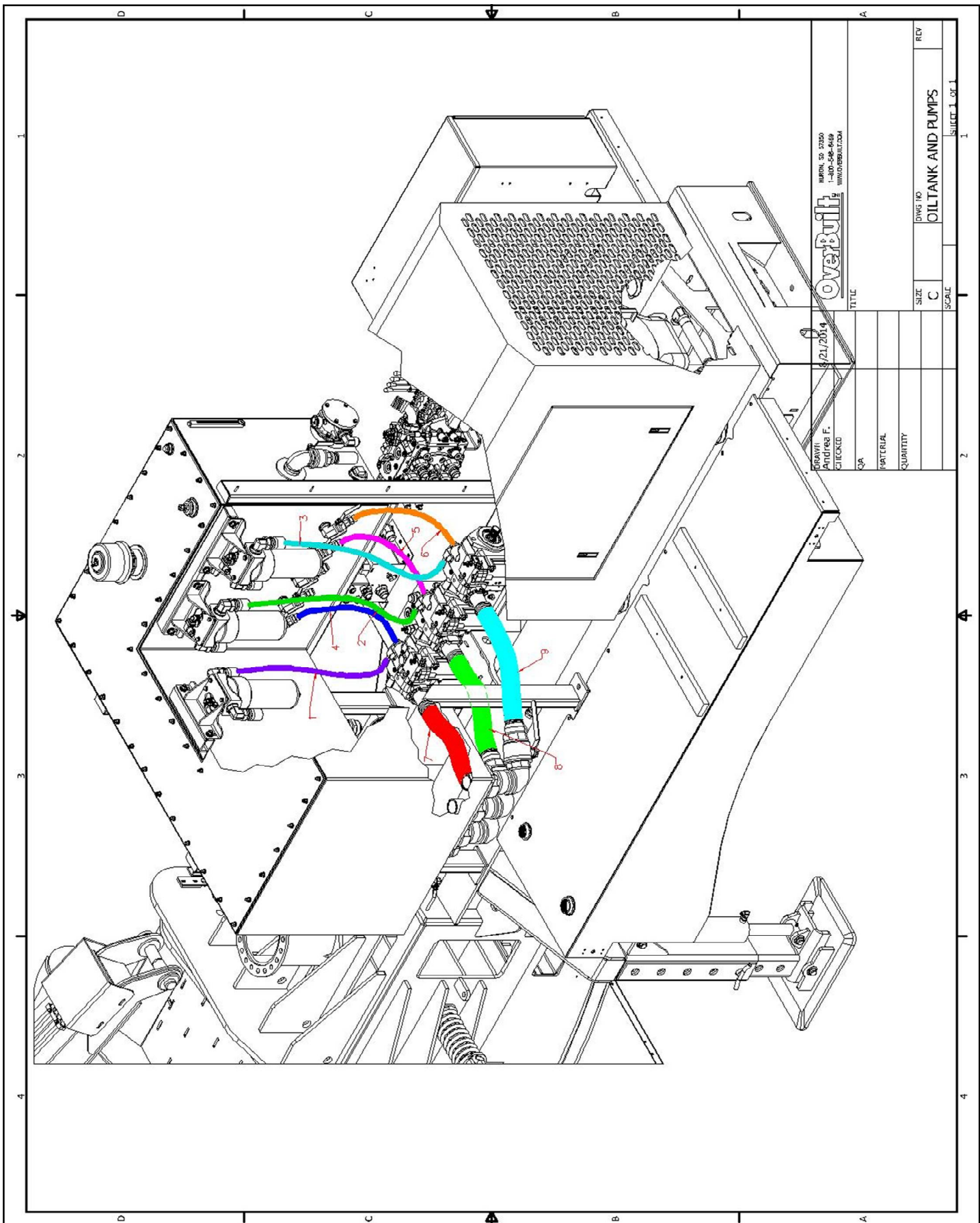


Baler/Logger Hydraulic Diagrams and Hose Kits



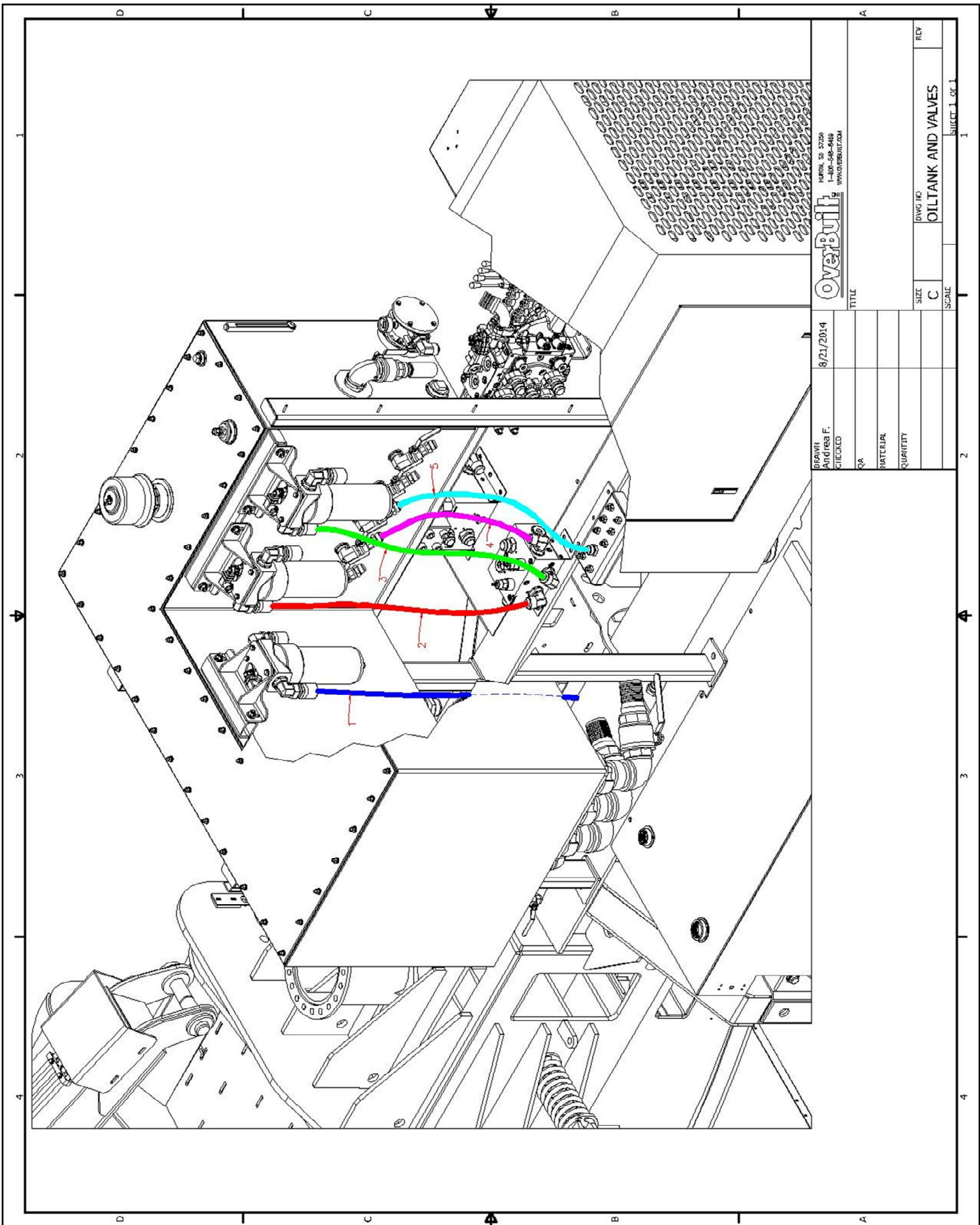
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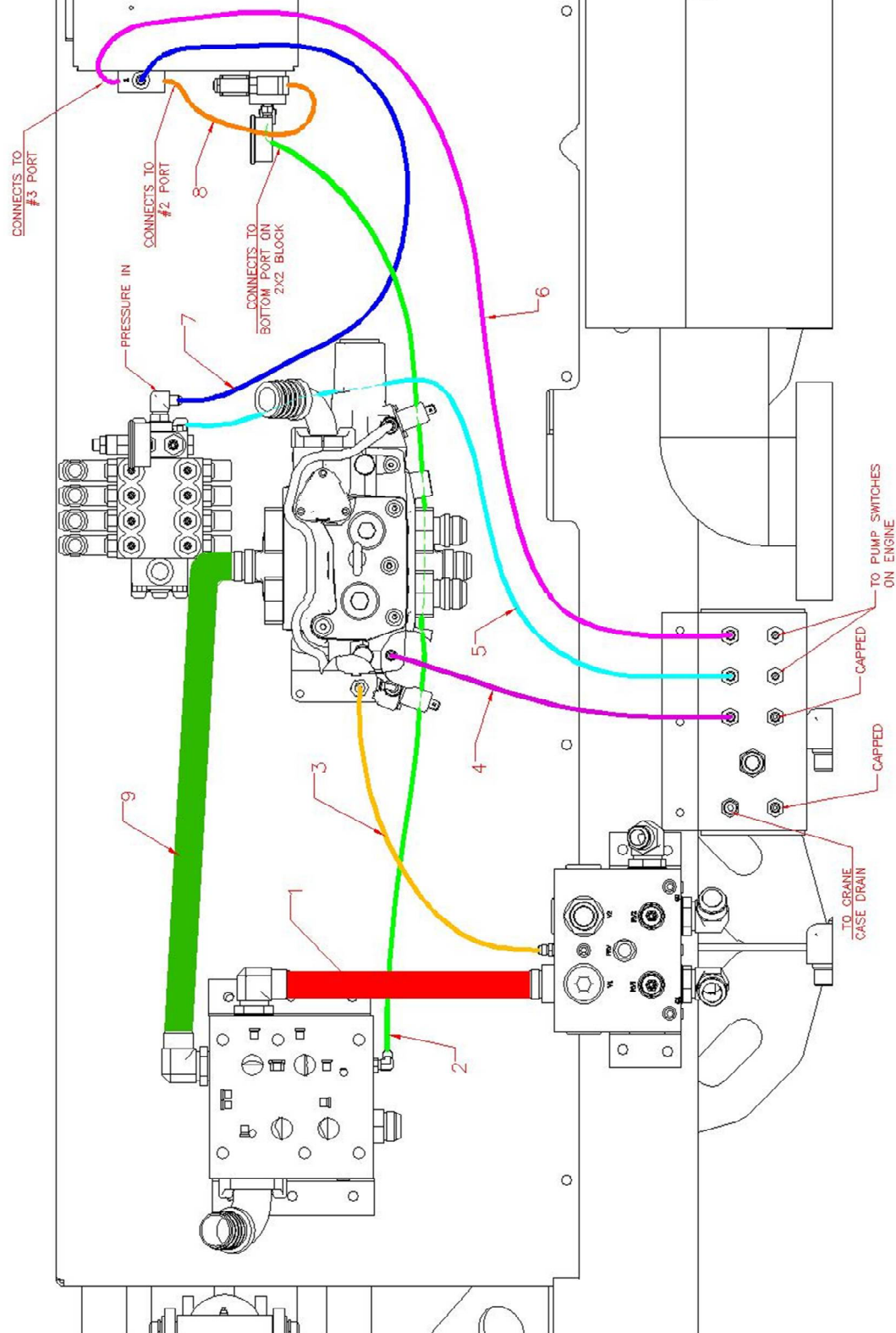


OverBuilt MODEL 50 5050 50" x 50" x 50" WWW.OVERBUILT.COM		DATE: 3/21/2014	
DRAWN: Andrew F. STECKO		TITLE:	
MATERIAL:		QTY:	
QUANTITY:		SCALE:	
SIZE: C		DWG NO: OILTANK AND PUMPS	
REV:		SHEET 1 OF 1	

<u>Oiltank and Pumps Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB-1550-128/OB 1501-128	1	20 782 X 36.50" 20 FJX 20 FJX S78	Crane pump to HP filter
2	OB-3010-108	1	20 782ST X 36.5" 20FJX 20FJX S78	Pump to the high press. filter
3	OB-3010-108	1	20 782ST X 36.5" 20FJX 20FJX S78	Pump to the high press. filter
4	OB-1550-130/OB 1501-132	1	16 AM X 24" 16FJX 16FJX HY	Crane pump case drain
5	OB-3010-123	1	16 AM X 24" 16FJX 16FJX HY	Middle pump case drain
6	OB-3010-123	1	16 AM X 24" 16FJX 16FJX HY	HP pump case drain
7	340-0048	1	3" suction hose 18"	Crane suction line
8	340-0048	1	3" suction hose 19"	Middle pump suction line
9	340-0048	1	3" suction hose 22"	HP pump suction line

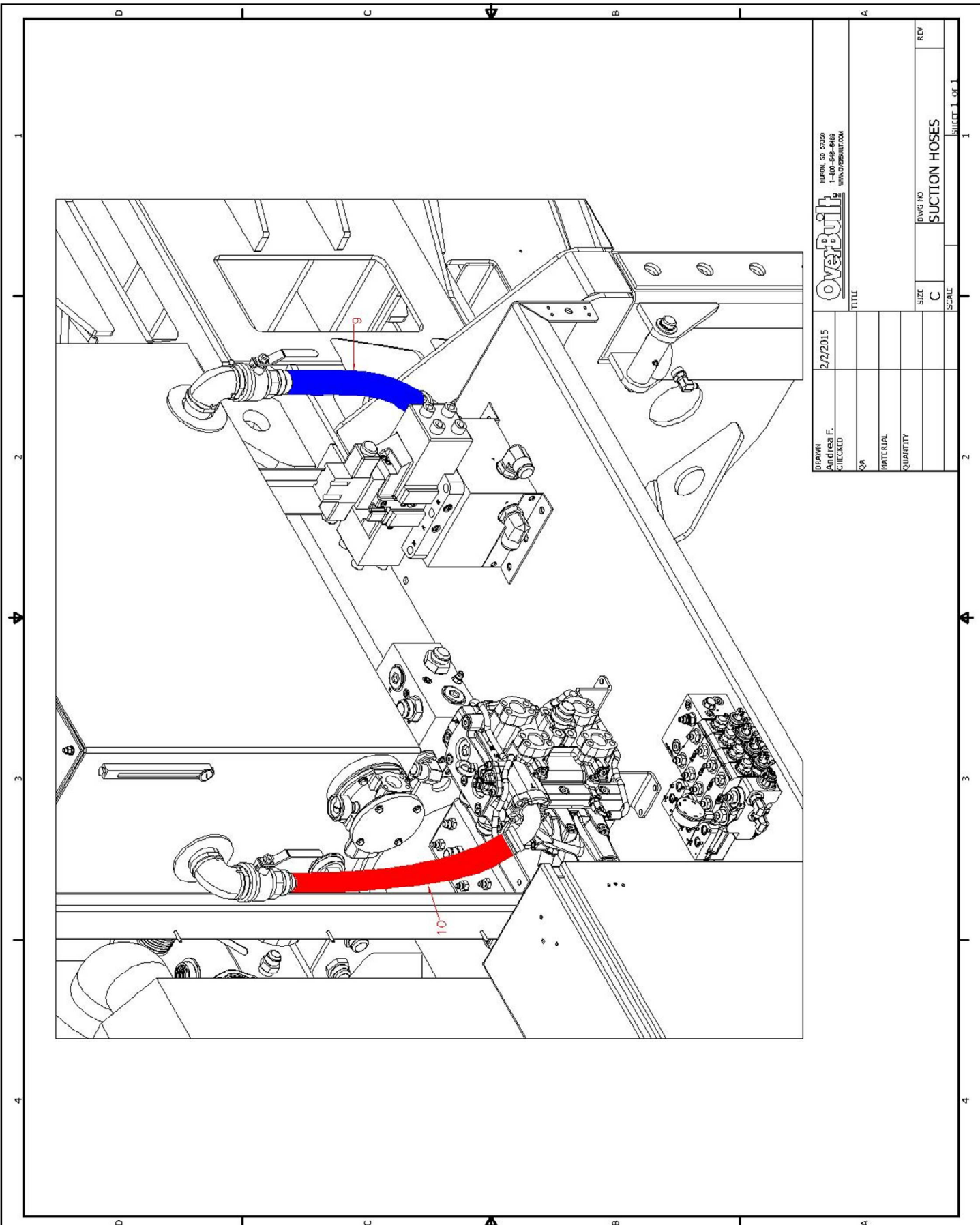


<u>Oiltank and Valves Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB-1550-124/OB 1501-124	1	16 721 X 142" 16FJX 16FJX S71	Crane press from filter
2	Made in house	1	20 782 X 51.5" 20 FJX 20 FJX S78	Middle HP filter to combiner manifold
3	Made in house	1	20 782 X 53" 20 FJX 20 FJX S78	First HP filter to combiner manifold
4	OB-3010-122	1	16 AM X 27.50" 16FJX 16FJX HY	combiner manifold to tank
5	OB-3010-140	1	16 782ST X 32" 16FJX 16FJX S78	return manifold to tank



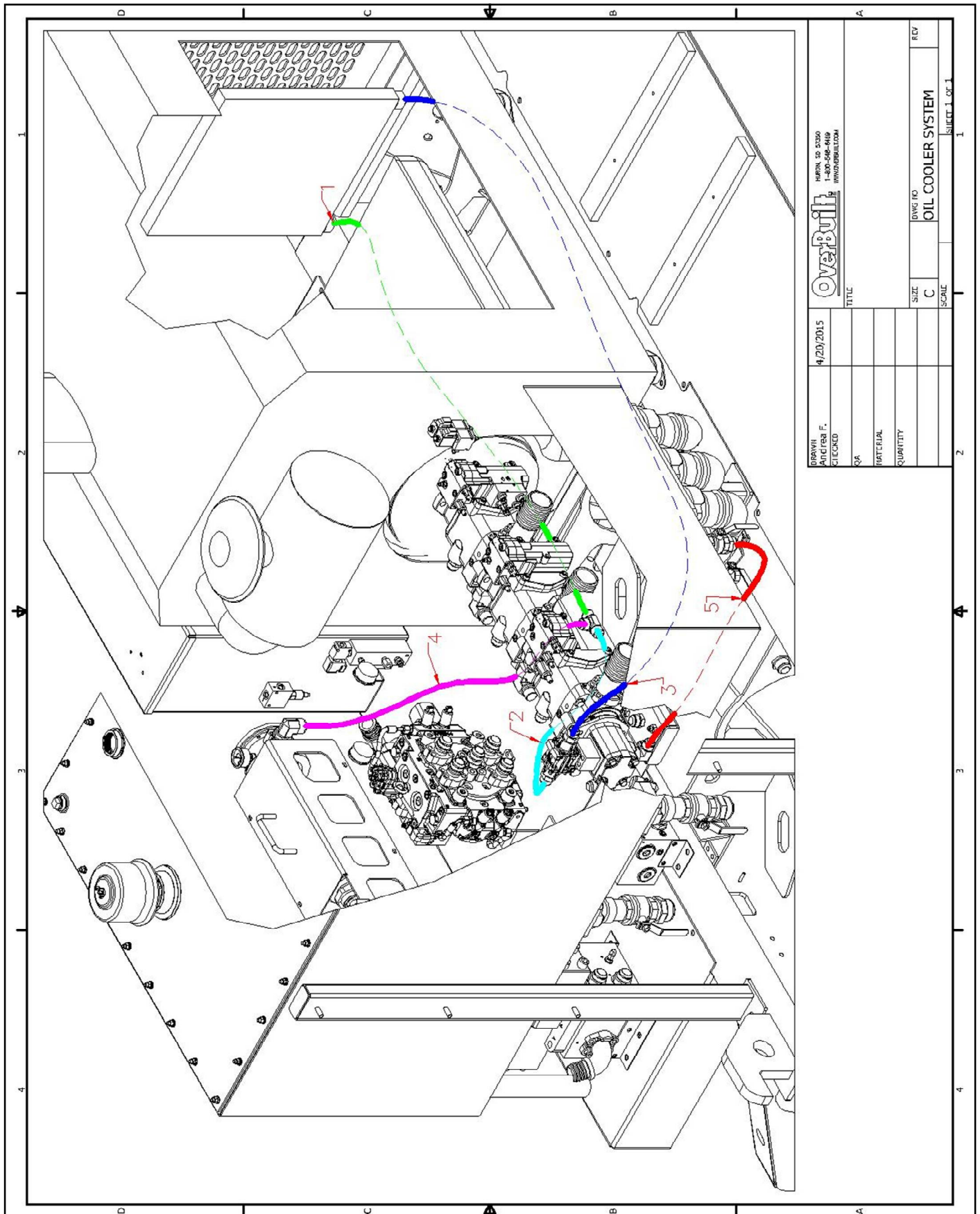
TOP VIEW OF VALVES
SCALE 1 / 4

DRAWN Andrea F. CHECKED	8/20/2014					HARBO, SD 57050 1-800-508-5446 WWW.OVERBUILT.COM	
		TITLE					
	QA						
	MATERIAL						
	QUANTITY						
	SIZE	DWG NO.		REV			
	C	VALVES					
	SCALE						
		SHEET 1 OF 1					
2		1					



Valves and Suction Hoses

ID	PART.	QTY.	TITLE	DESC.
1	OB-3010-104	1	-20 782ST X 14.50" 20FJX 20FJX S78	combiner manifold to bang bang block
2	OB-46-111	1	BXX6 X 58" 6FJX 6FJX HY W/ FULL CORDURA	from d10 sub plate to 2X2 block
3	OB-3010-128	1	6BXX X 31" 6FJX 6FJX HY	combiner manifold to M402 valve shuttle press.
4	OB-3010-126	1	6D6 X 20" 6FJX90 6FJX90 HY 180 ROTATION	M402 valve case drain to return manifold
5	OB-46-114	1	BXX6 X 39" 6FJX90T X 6FJX90T W/ FULL CORDURA (0° orientation)	tank port on down rigger valve to return manifold
6	OB-46-113	1	BXX6 X 71" 6FJX90 6MBX90 HY W/ FULL CORDURA (270° orientation)	#3 port on reducing valve to return manifold
7	OB-46-112	1	BXX6 X 41" 6FJX 6MBX90 HY W/ FULL CORDURA	#1 port on reducing valve to down rigger valve
8	OB-46-110	1	BXX6 X 12" 6-6FJX 6-6FJX 90T W/ FULL CORDURA	from 2X2 block solenoid to #2 port on reducing valve
9	344-0007	1	2" suction hose 350 psi	From right side of oil tank to D10 subplate
10	344-0007	1	2" suction hose 350 psi	From front of oil tank to M402



OverBuilt
PARTS TO 5000
LBS. WEIGHT
HANDS ON BUILD

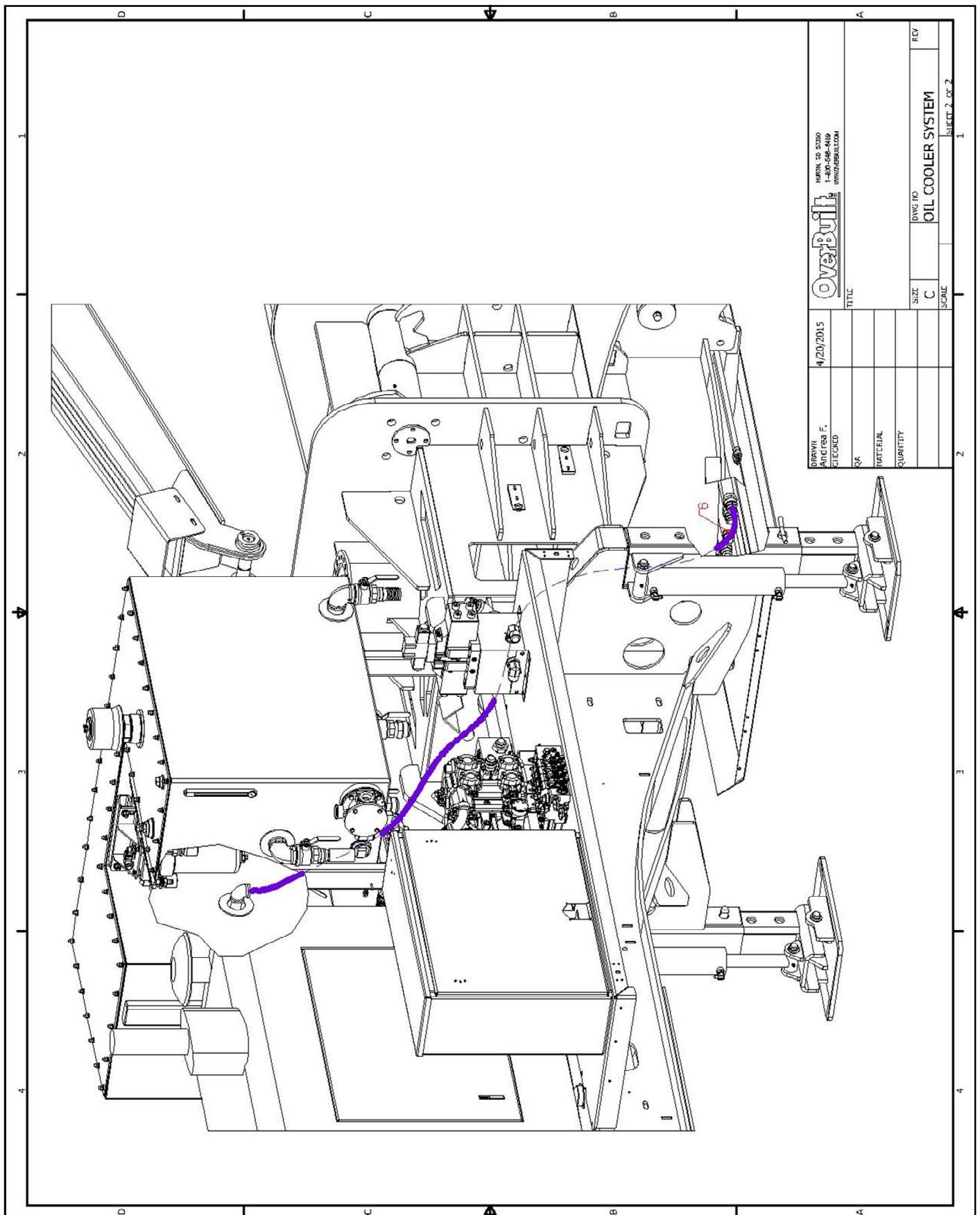
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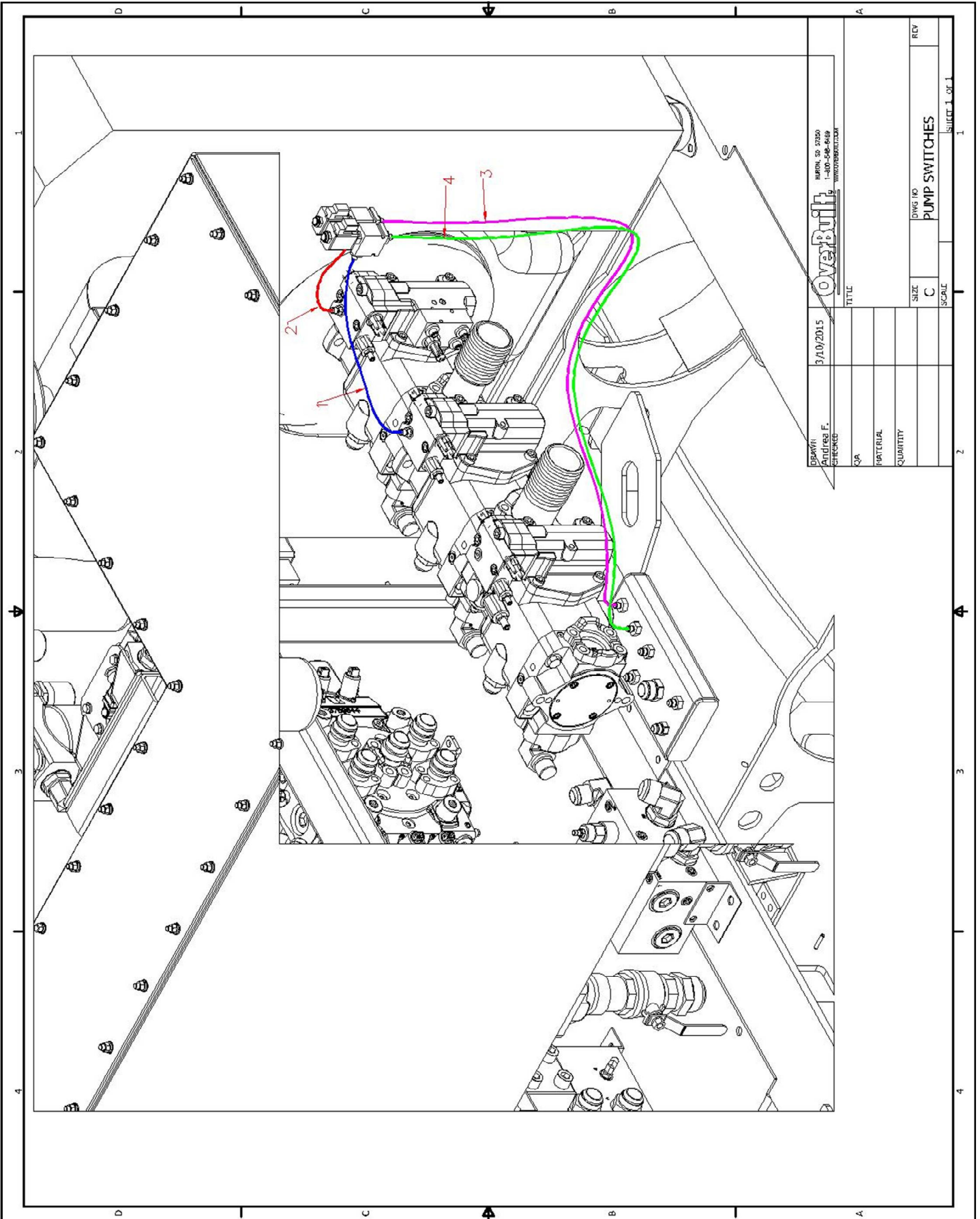
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OIL COOLER SYSTEM

1 OF 1

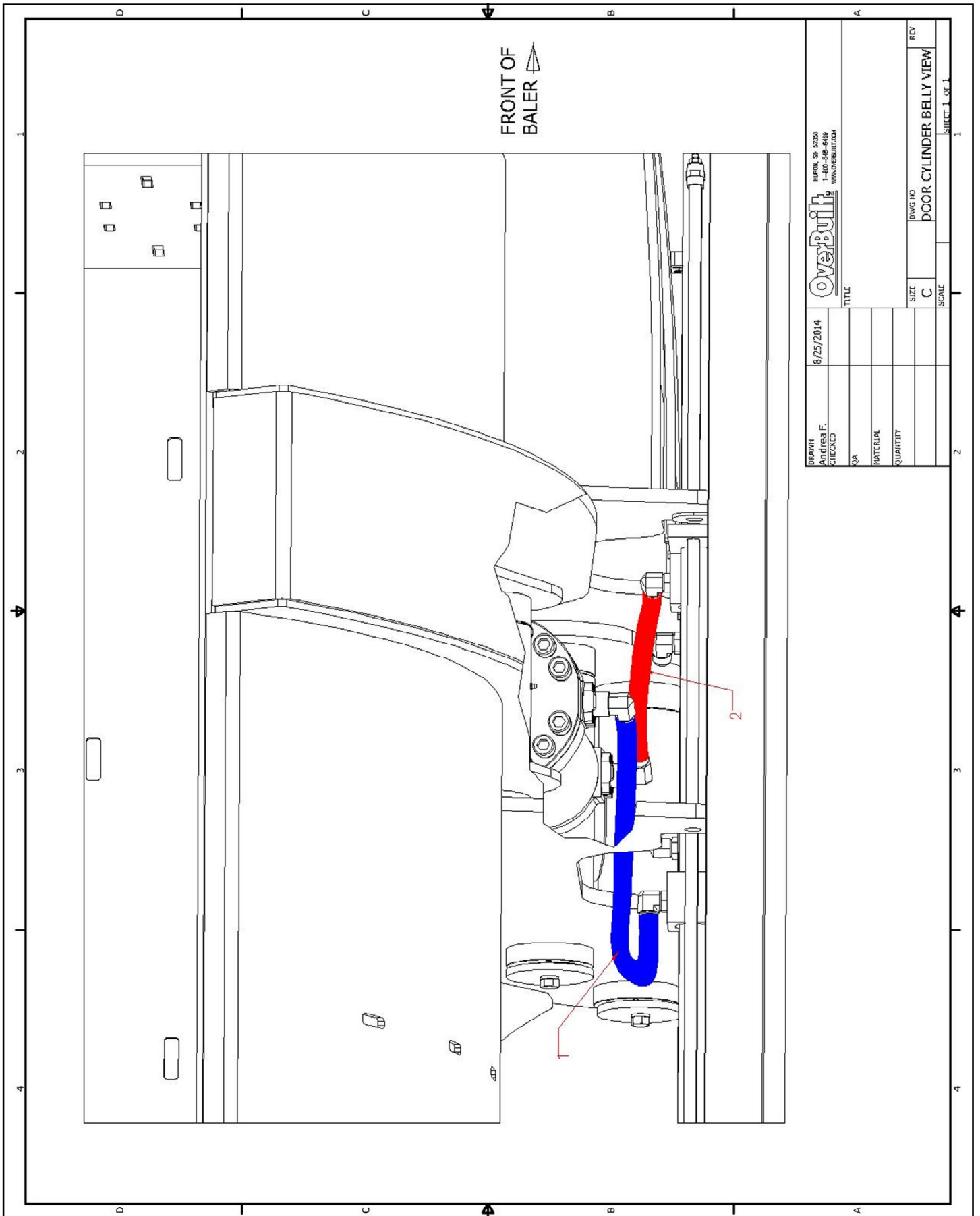


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MATERIAL			
QUANTITY			
SIZE		DWG NO.	REV
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SCALE		OIL COOLER SYSTEM	
		SHEET 2 OF 2	

<u>New Oil Cooler Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1		1	16mx X 80" 16fjx 16fjx hy	From right side of oil cooler to tee
2		1	16mx X 60" 16fjx 16fjx90 hy	Tank side of thermal bypass to tee
3		1	16mx X 152" 16fjx 16fjx90 hy	From thermal bypass to left side of oil cooler
4		1	20mx X 43" 16fjx 20fjx hy	From top of tee to LP filter head
5		1	20mx X 35" 16fjx 20fjx90 hy	From oil tank to inlet of 4th pump
6		1	20mx X 126" 20fjx 20fjx hy	New crane return hose

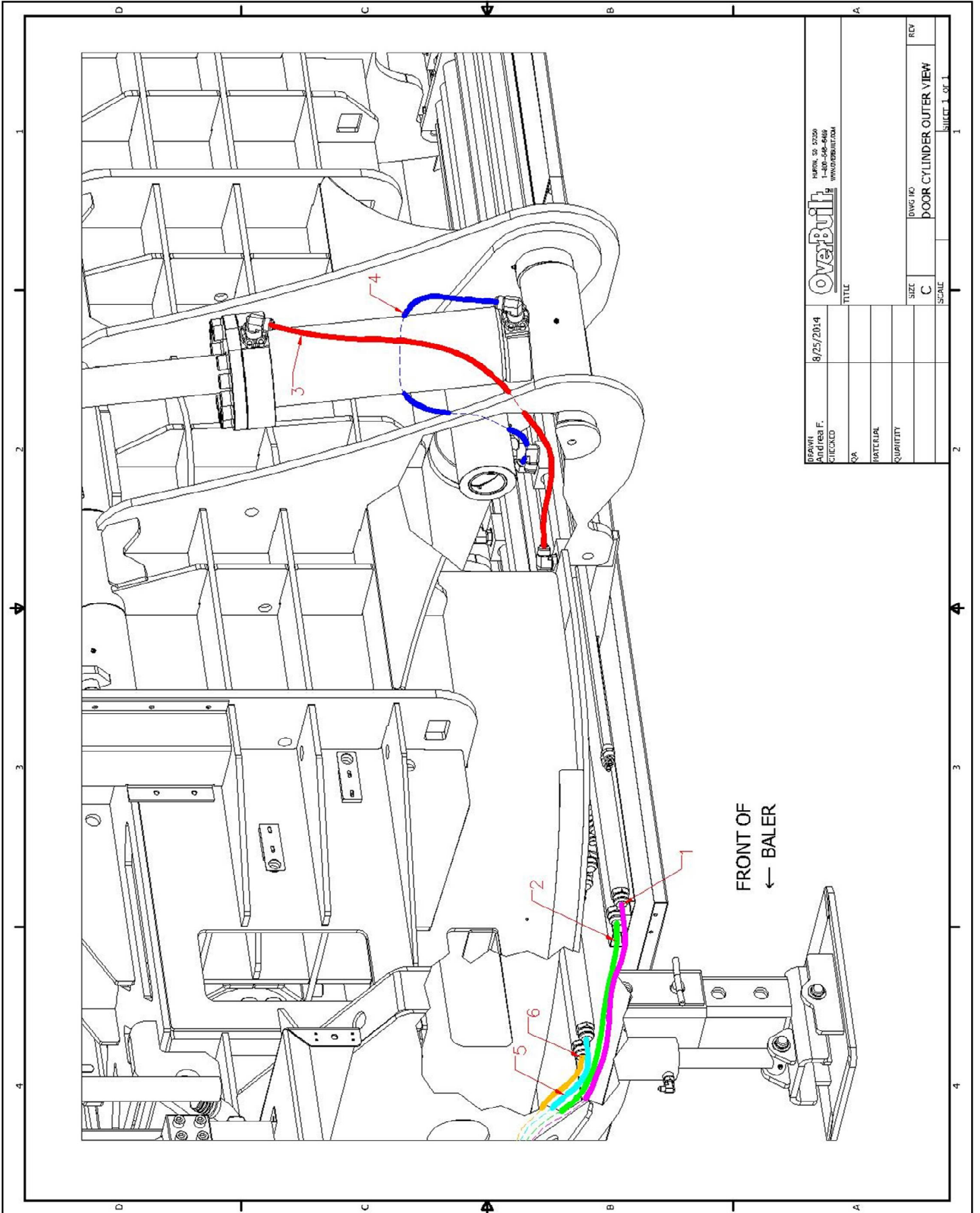


<u>Pump Switches Hose Kit</u>				
ID	Part	Qty	Title	Desc.
1	OB-133	1	4BXX X 21" 4FJX 4FJX90 HY	pump switch to low press. pump
2	OB-130	1	4BXX X 10" 4FJX 4FJX90 HY	pump switch to high press. pump
3	OB-136	1	4D6 X 61" 4FJX 4FJX90 HY	pump switch to return manifold
4	OB-129	1	4D6 X 58" 4FJX 4FJX90 HY	pump switch to return manifold



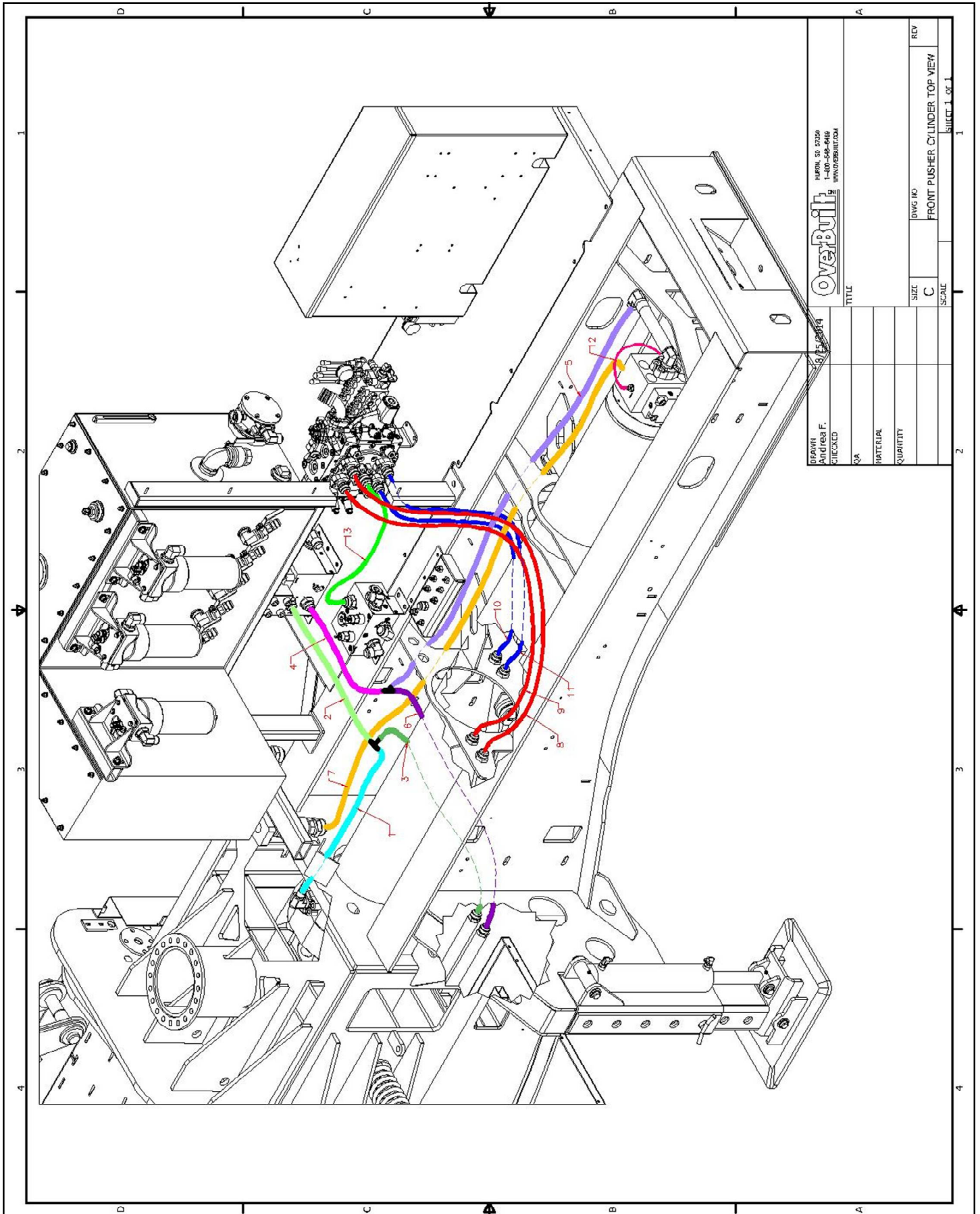
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		QA			
		MATERIAL			
		QUANTITY			
		SIZE		DWG NO	
		C		DOOR CYLINDER BELLY VIEW	
		SCALE		REV	
				1	

<u>Door Cylinder Belly Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB-16782ST-101	1	16 782 X 56" 16FJX X 16FJX	Rod end of big door cyl. to pipe #13
2	OB-16782ST-102	1	16 782 X 32" 16FJX X 16FJX	Butt end of big door cyl. to pipe #12



DRAWN Andrea F. CHECKED	8/25/2014	OverBuilt		MORRIS, 33 3750 1-800-546-4400 WWW.OVERBUILT.COM	
		TITLE			
		QA			
		MATERIAL			
		QUANTITY			
		SIZE	C	DWG. NO.	DOOR CYLINDER OUTER VIEW
		SCALE			
				SHEET 1 OF 1	
2					

<u>Door Cylinder Outer Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB-3010-112	1	-20 782ST X 75" 20FJX 20FJX S78	left side bulkheads to belly pipes (small door)
2	OB-3010-112	1	-20 782ST X 75" 20FJX 20FJX S78	left side bulkheads to belly pipes (small door)
3	OB-16782ST-101	1	16 782 X 56" 16FJX X 16FJX	Rod end of door cyl. to 3rd pipe
4	OB-16782ST-101	1	16 782 X 56" 16FJX X 16FJX	Butt end of door cyl. to 4th pipe
5	OB-3010-113	1	-20 782ST X 82" 20FJX 20FJX S78	right side bulkheads to belly pipes (big door)
6	OB-3010-113	1	-20 782ST X 82" 20FJX 20FJX S78	right side bulkheads to belly pipes (big door)



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Drawn: 3/2/2014
 Checked: 3/2/2014
 Approved: 3/2/2014
 Part No: 1-400-466-466
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Drawn:
 Checked:
 Approved:

QA

Particular

Quantity

Scale

Size

C

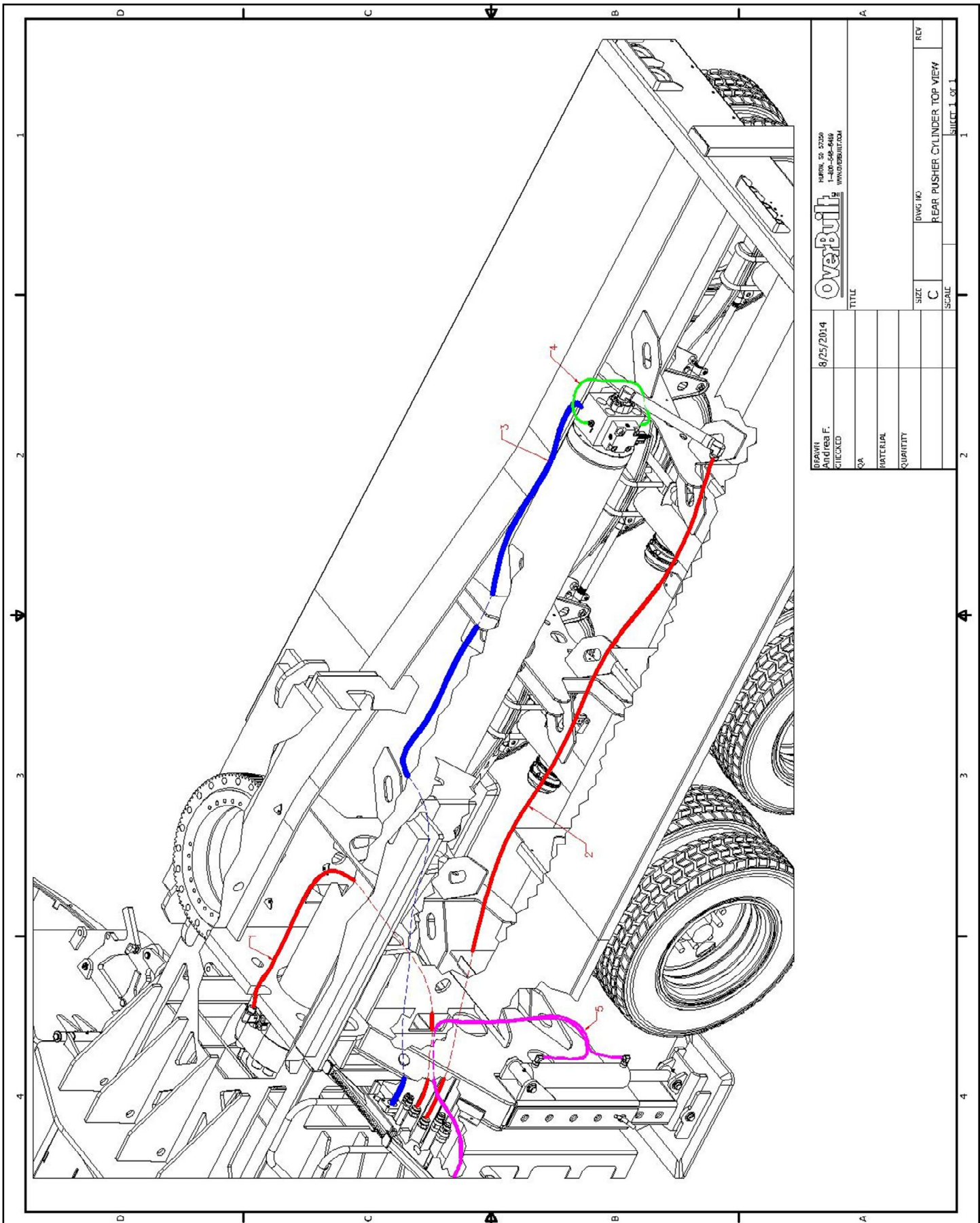
Dim. No.

Front Pusher Cylinder Top View

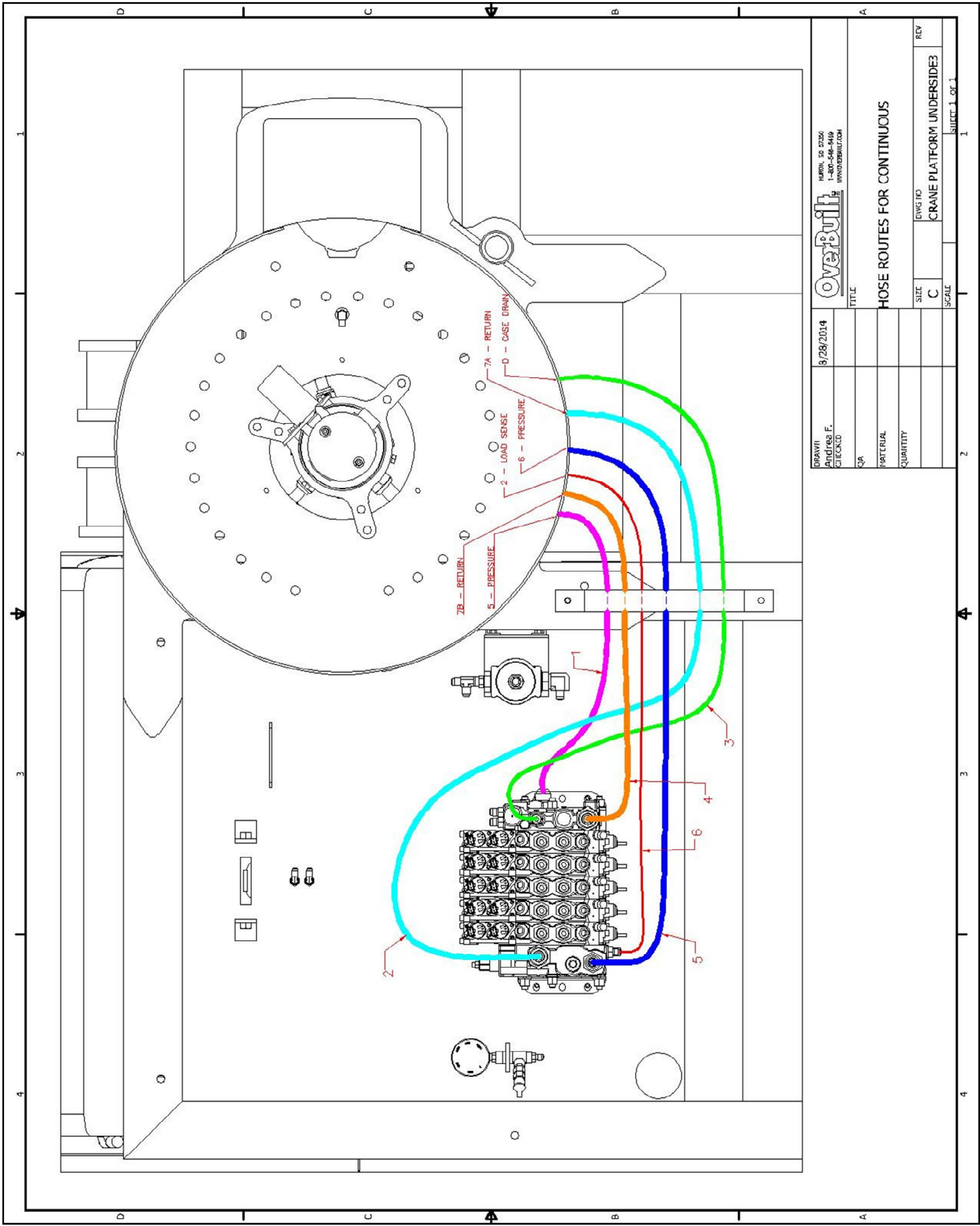
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Sheet 1 of 1

<u>Front Pusher Cylinder Hose Kit</u>				
ID.	PART	QTY.	TITLE	DESC.
1	OB-3010-107	1	-20 782ST X 33" 20FJX 20FJX90 S78	tee to top of front push cyl.
2	OB-3010-106	1	-20 782ST X 24" 20FJX 20FJX S78	top of BB to top tee for push cyl.
3	OB-3010-115	1	-20 782ST X 96" 20FJX 20FJX S78	top tee to the right pipe for push cyl.
4	OB-3010-137	1	-20 782ST X 19" 20FJX 20FJX90 S78	Bottom fitting on the back of the BB block to top tee
5	OB-3010-114	1	-20 782ST X 87" 20FJX 20FJX S78	dump valve of front push cyl. to bottom tee
6	OB-3010-116	1	-20 782ST X 92" 20FJX 20FJX S78	bottom tee to left pipe for push cyl.
7	OB-3010-134	1	P35-32 X 112" 32FJX 32FL90 NO CORDURA	Front push cyl. dump valve to left drop tube on tank
8	OB-310-101	1	-20 782ST X 60" 20FJX 20FJX S78	top b port to right side bulk head (parker valve)
9	OB-3010-111	1	-20 782ST X 55" 20FJX 20FJX S78	top a port to right side bulk head (parker valve)
10	OB-3010-109	1	-20 782ST X 51" 20FJX 20FJX S78	bottom a port to left side bulk head (parker valve)
11	OB-3010-110	1	-20 782ST X 54" 20FJX 20FJX S78	bottom b port to left side bulk head (parker valve)
12	OB-3010-142	1	4BXX X 24" 4FJX 4FJX90 HY	dump valve bleed offs
13	made in house	1	-20 D16782ST X 19.5" 20FJX90 X 20FJX90 90 deg. orientation	top of combiner manifold to middle port on rear of M402

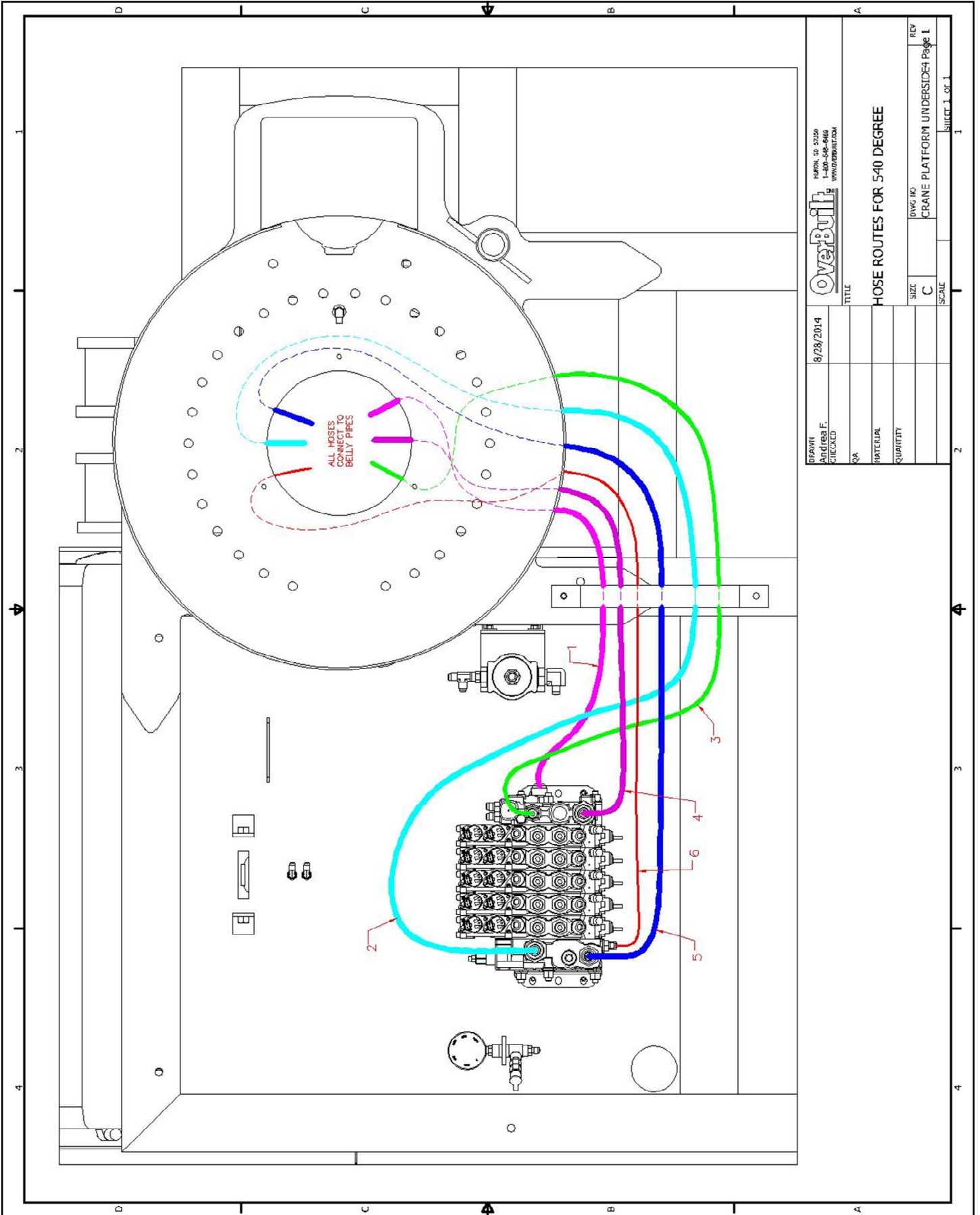


<u>Rear Pusher Cylinder Hose Kit</u>				
ID	PART	QTY	TITLE	DESC.
1	OB-3010-117	1	-20 782ST X 126" 20FJX 20FJX S78	Right pipe push cyl. to top of rear push cyl.
2	OB-3010-118	1	-20 782ST X 160" 20FJX 20FJX S78	Rear push cyl. (left) pipe to dump valve.
3	OB-3010-102	1	P35-32 X 168" 32FL 32FL 90 NO CORDURA	Rear dump valve to splitflange pipe
4	OB-3010-142	1	4BXX X 24" 4FJX 4FJX90 HY	dump valve bleed offs
5	OB-46-101	4	4D6X 84" 4FJX 6 FJX HY	from pipes to rear down riggers



DATE	8/28/2014	DRAWN BY	Andreas F. GIECKO
TITLE	HOSE ROUTES FOR CONTINUOUS		
REV		SIZE	C
SCALE		DWG NO	CRANE PLATFORM UNDERSIDES
SHEET	1	OF	1

<u>Continuous Rotation Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB-1501-125	1	12 721 X 49" 12FJX 12FJX45 S71	Crane pressure
2	OB-1501-123	1	16 721 X 93" 16FJX 16FJX90L S71	crane return
3	OB1501-106	1	BXX08 X 50" 8FJX 8FJX 90 HY	rear case drain
4	OB-1501-122	1	16 721 X 52.50" 16FJX 16FJX90 S71	crane return
5	OB-1501-126	1	12 721 X 75" 12FJX 12FJX90L S71	Crane pressure
6	OB-1501-103	1	BXX06 X 73" 6FJX 6FJX 90 HY	rear LS

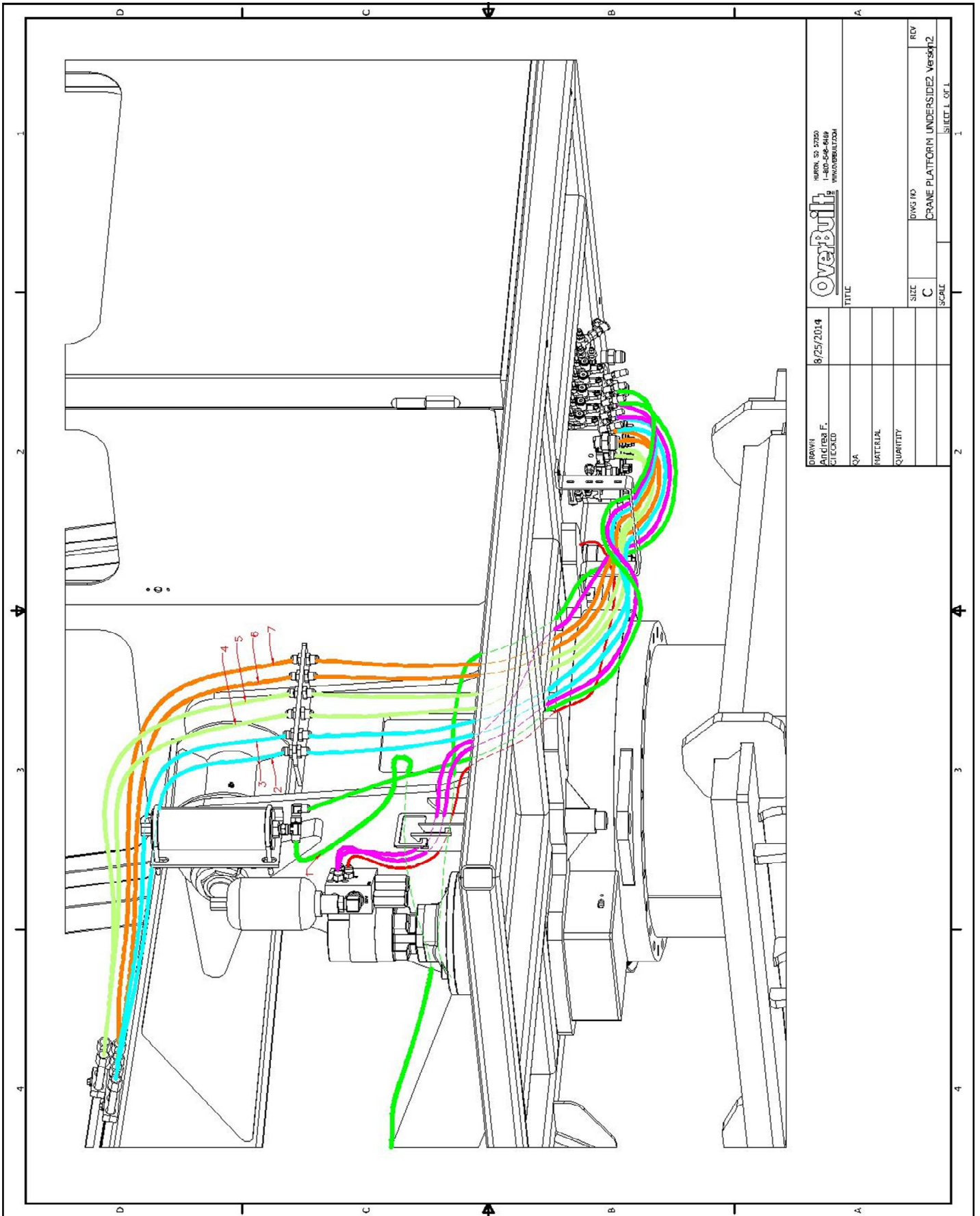


DRAWN	8/28/2014	OverBull	APRIL 25, 2014
CHECKED			1-800-546-4466
QA			WWW.OVERBULL.COM
MATERIAL			
QUANTITY			
SIZE			
CRANE NO.			
CRANE PLATFORM UNDERSIDE			
REV			
SCALE			
SHEET 1 OF 1			

<u>540 Degree Rotation Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB-1550-125	1	12 721 X 104" 12FJX 12FJX45 S71	Crane Press.
2	OB-1550-123	1	16 721 X 117" 16FJX 16FJX90L S71	Crane return
3	OB-1550-106	1	8 BXX X 105" 8FJX 8FJX90	Rear case drain
4	OB-1550-122	1	16 721 X 114" 16FJX 16FJX90 S71	Crane return
5	OB-1550-126	1	12 721 X 116" 12FJX 12FJX90L S71	Crane Press.
6	OB-1550-103	1	6 BXX X 117" 6FJX 6FJX90	Rear LS

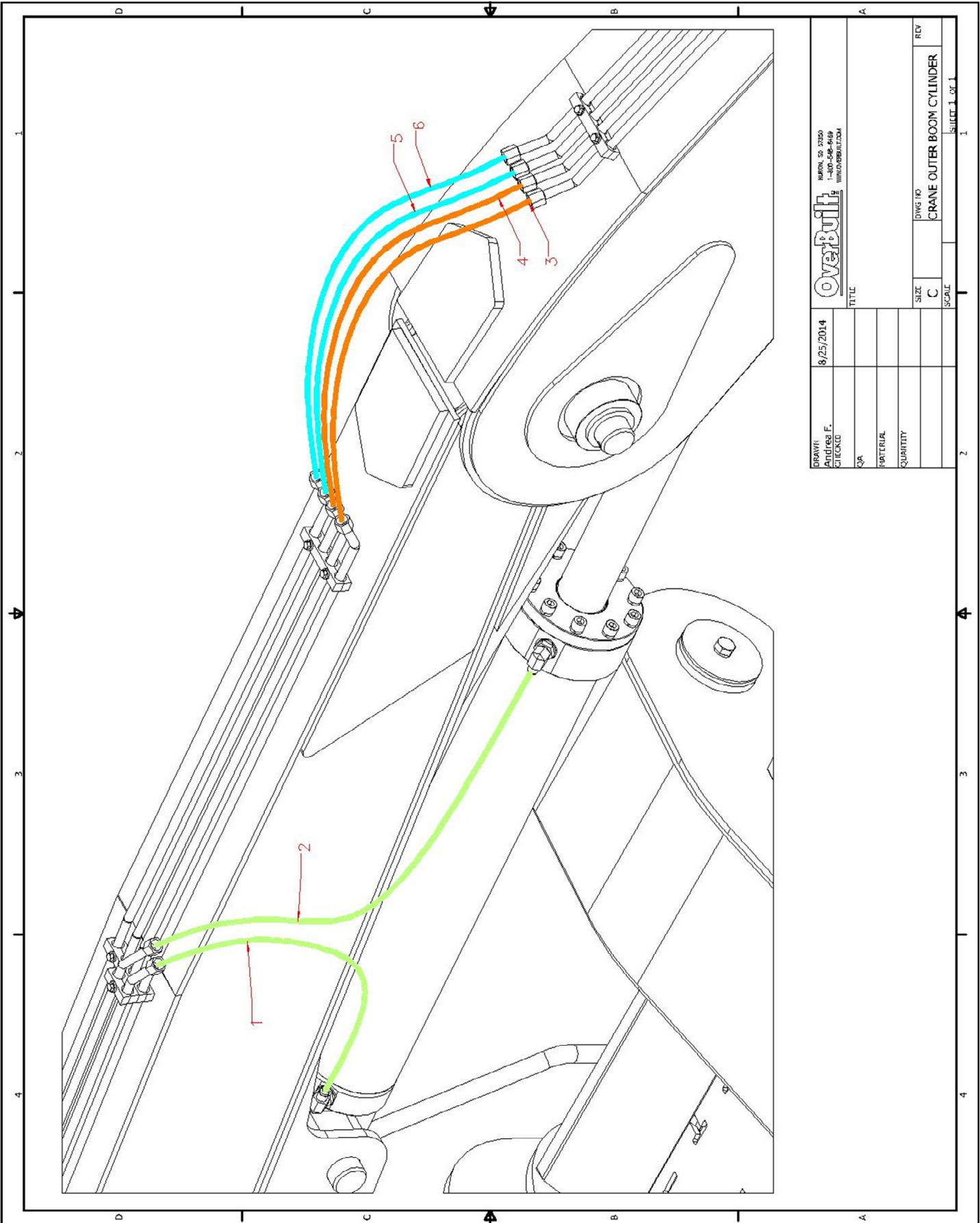
Continuous and 540 Rotation Hose Kit

ID	PART non cont./cont.	QTY.	TITLE	DESC.
1	OB-1550-109/OB-1501-109	1	BXX04 X 76" 4FJX 2MPX HY	Grease line
2	OB-1550-108/OB-1501-108	1	4 BXX X 70" 4FJX 4FJX90L	Grease line
3	OB-1550-107/OB-1501-107	1	4 BXX X 14" 4FJX 4FJX90	Pressure gauge
4	OB-1550-102/OB-1501-102	1	6 BXX X 74" 8FJX 6FJX90	Pilot press. to swing
5	OB-1550-104/OB-1501-104	1	6 BXX X 9.25" 6FJX 6FJX90	Pilot press. back to L90
6	OB-1550-105/OB-1501-105	1	6 BXX X 12" 6FJX90 6FJX90 180 ROTATION	Pilot press to filter
7	OB-1550-117/OB-1501-117	1	8 721 X 135" 8FJX 8FJX90	Main B
8	OB-1550-115/OB-1501-115	1	8 721 X 69" 8FJX 8FJX90	Main A
9	OB-1550-114/OB-1501-114	2	8 721 X 68" 8FJX 8FJX90L	Swing A&B
10	OB-1550-113/OB-1501-113	2	8 721 X 58" 8FJX 8FJX90	Grapple O/C A&B
11	OB-1550-112/OB-1501-112	2	8 721 X 56" 8FJX 8FJX90L	Grapple rotate A&B
12	OB-1550-111/OB-1501-111	2	8 721 X 52" 8FJX 8FJX90	Jib A&B



DRAWN ANDREA F.		8/25/2014				APRIL 30 2020 10:00 AM WINDORBUILT.COM	
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				SIZE		C	
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				SHEET 1 OF 1			

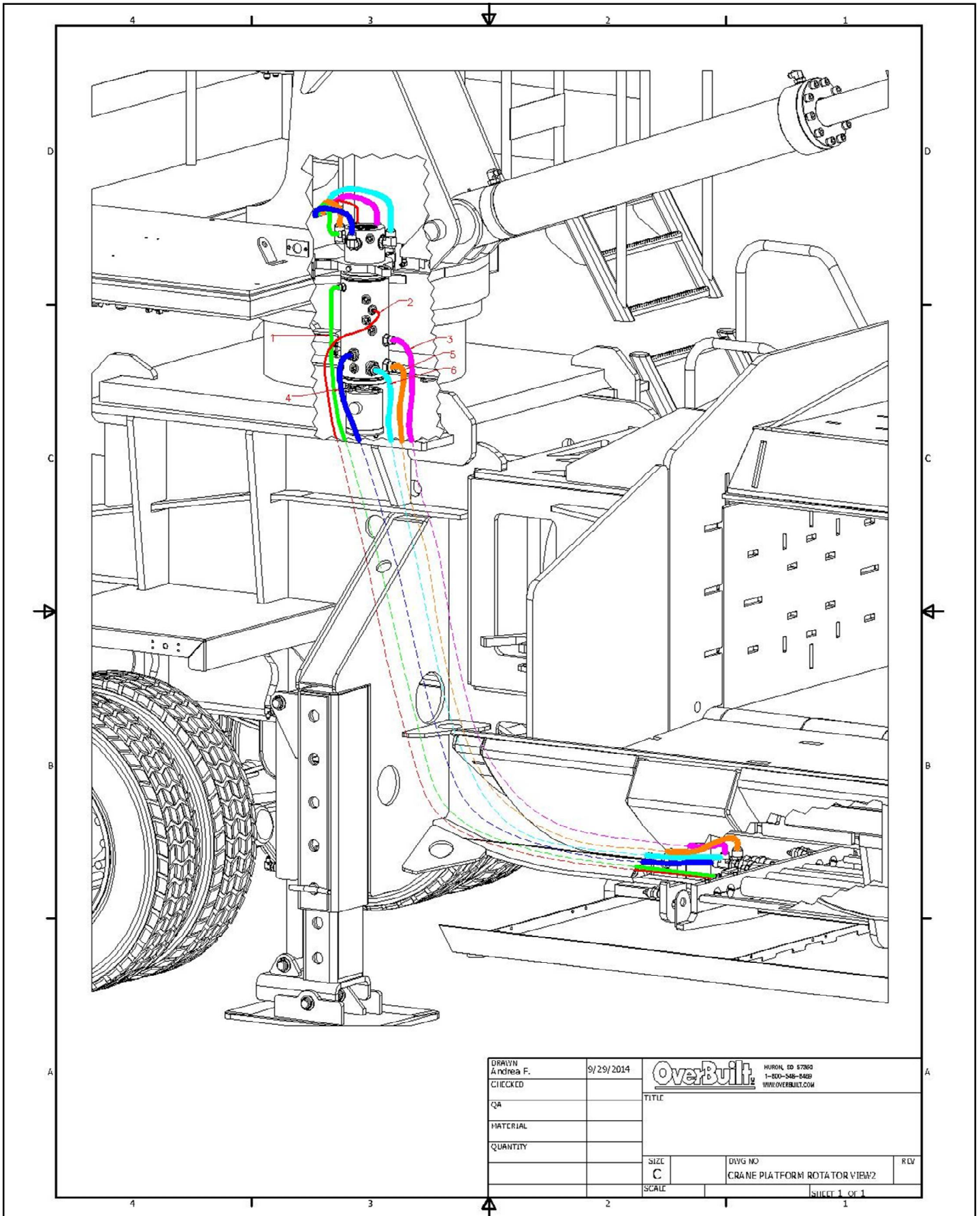
<u>Continuous and 540 Rotation Platform Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB-1550-116/OB 1501-116	1	8 721 X 85" 8FJX 8FJX90	Main C
2	OB-1550-118/OB 1501-120	1	8 721 X 58" 8FJX 10MJ	Grapple O/C A
3	OB-1550-118/OB 1501-120	1	8 721 X 58" 8FJX 10MJ	Grapple O/C B
4	OB-1550-119/OB 1501-119	1	8 721 X 60" 8FJX 10MJ	Jib A
5	OB-1550-119/OB 1501-119	1	8 721 X 60" 8FJX 10MJ	Jib B
6	OB-1550-120/OB 1501-120	1	8 721 X 58" 8FJX 10MJ	Grapple Rotate A
7	OB-1550-120/OB 1501-120	1	8 721 X 58" 8FJX 10MJ	Grapple Rotate B



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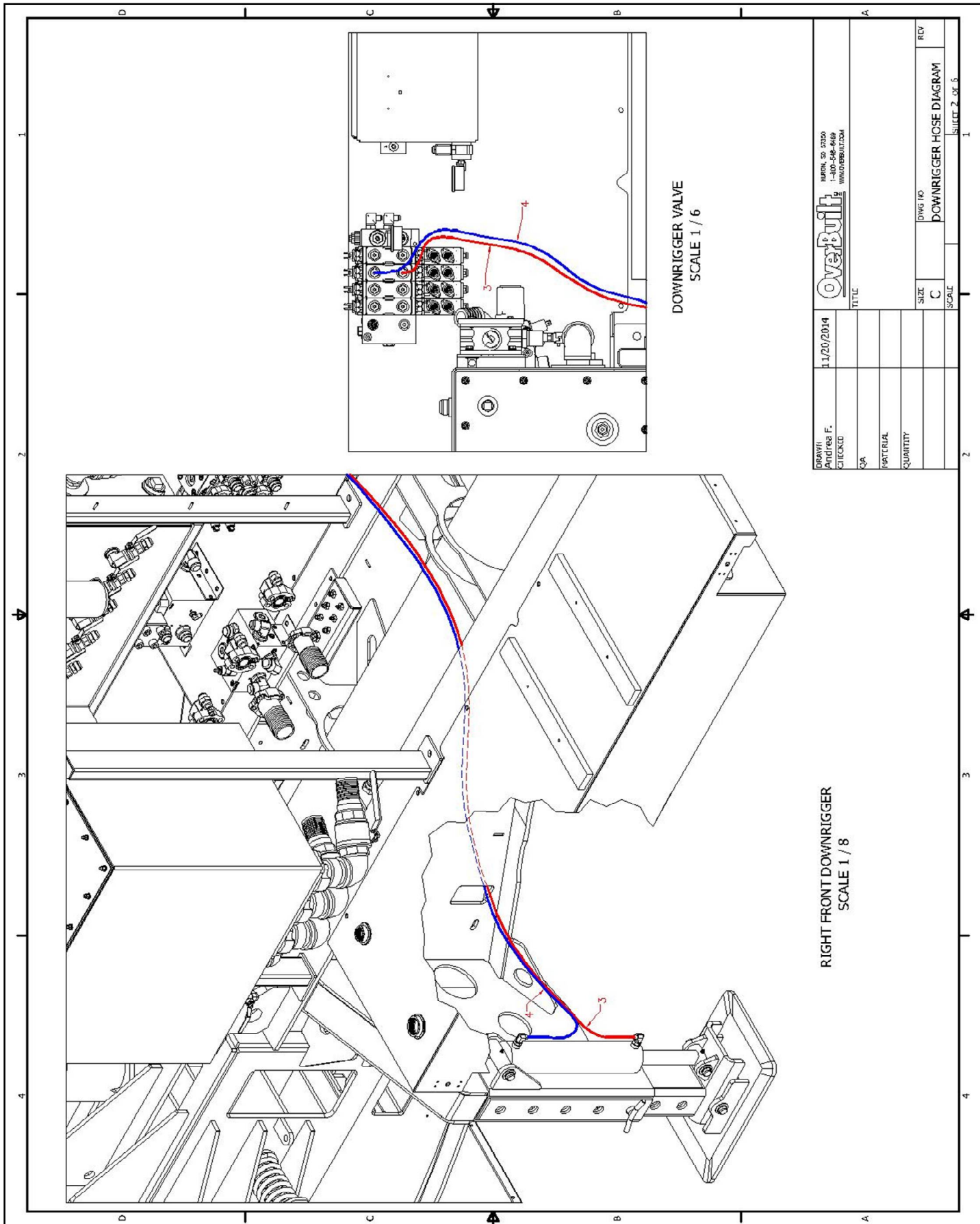
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MATERIAL		
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SIZE	SCALE	REV
C		CRANE OUTER BOOM CYLINDER
		SHEET 1 OF 1

<u>Crane Booms Hose Kit</u>				
ID	PART	QTY	TITLE	DESC.
1	OB-1550-121/OB 1501-121	1	8 721 X 43" 8FJX 10MJ	Jib cyl. to pipes
2	OB-1550-121/OB 1501-121	1	8 721 X 43" 8FJX 10MJ	Jib cyl. to pipes
3	OB-1550-118/OB 1501-118	1	8 721 X 62" 10MJ 10MJ	Knuckle hoses
4	OB-1550-118/OB 1501-118	1	8 721 X 62" 10MJ 10MJ	Knuckle hoses
5	OB-1550-118/OB 1501-118	1	8 721 X 62" 10MJ 10MJ	Knuckle hoses
6	OB-1550-118/OB 1501-118	1	8 721 X 62" 10MJ 10MJ	Knuckle hoses



DRAWN Andrea F.	9/29/2014			HURON, SD 57039 1-800-548-8489 WWW.OVERBUILT.COM
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QA				
MATERIAL				
QUANTITY				
		SIZE C	DWG NO CRANE PLATFORM ROTATOR VIEW2	REV
		SCALE	SHEET 1 OF 1	

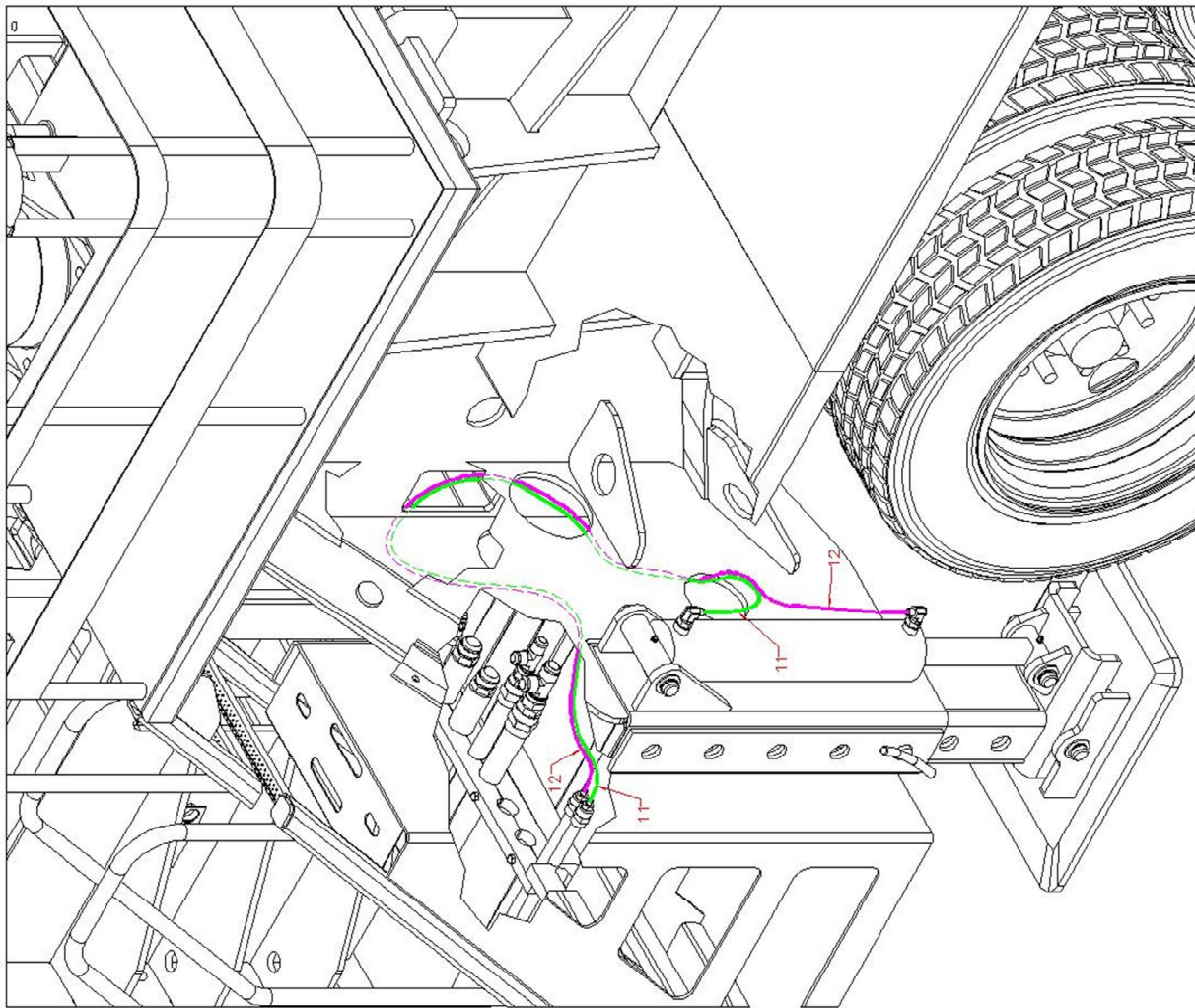
<u>Crane Platform Rotator Hose Kit</u>				
ID	PART	QTY.	TITLE	DESC.
1	OB 1501-136	1	8AM X 102" 8FJX 8FJX 90 HY	Lower case drain
2	OB 1501-137	1	BXX06 X 102" 6FJX 6FJX 90 HY	Lower LS
3	OB 1501-140	1	12 721 X 93" 12FJX 90 12FJX90 S71 (0 Rotation)	Lower crane press.
4	OB 1501-141	1	12 721 X 93" 12FJX 12FJX90 S71	Lower crane press.
5	OB 1501-138	1	16AX X 86" 16FJX90 16FJX90 HY (0 ROTATION)	Lower crane return
6	OB 1501-139	1	16AX X 86" 16FJX 16FJX90 HY	Lower crane return



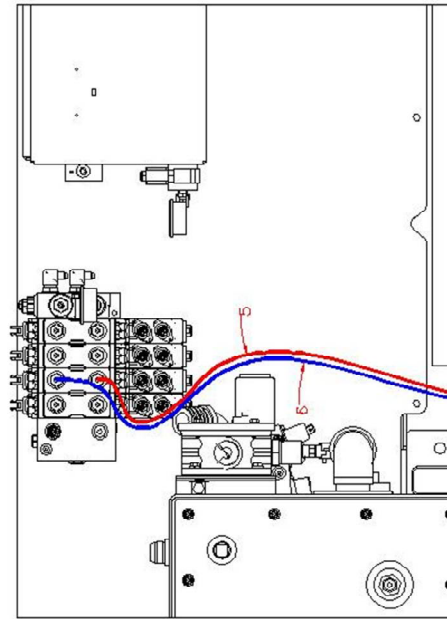
RIGHT FRONT DOWNRIGGER
SCALE 1 / 8

DOWNRIGGER VALVE
SCALE 1 / 6

DRAWN: Andrei F. CHECKED:	11/20/2014	 MURKIN, SD 57050 1-800-666-6669 WWW.OVERBUILT.COM				TITLE		DWG NO		REV
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SHEET 2 OF 5										

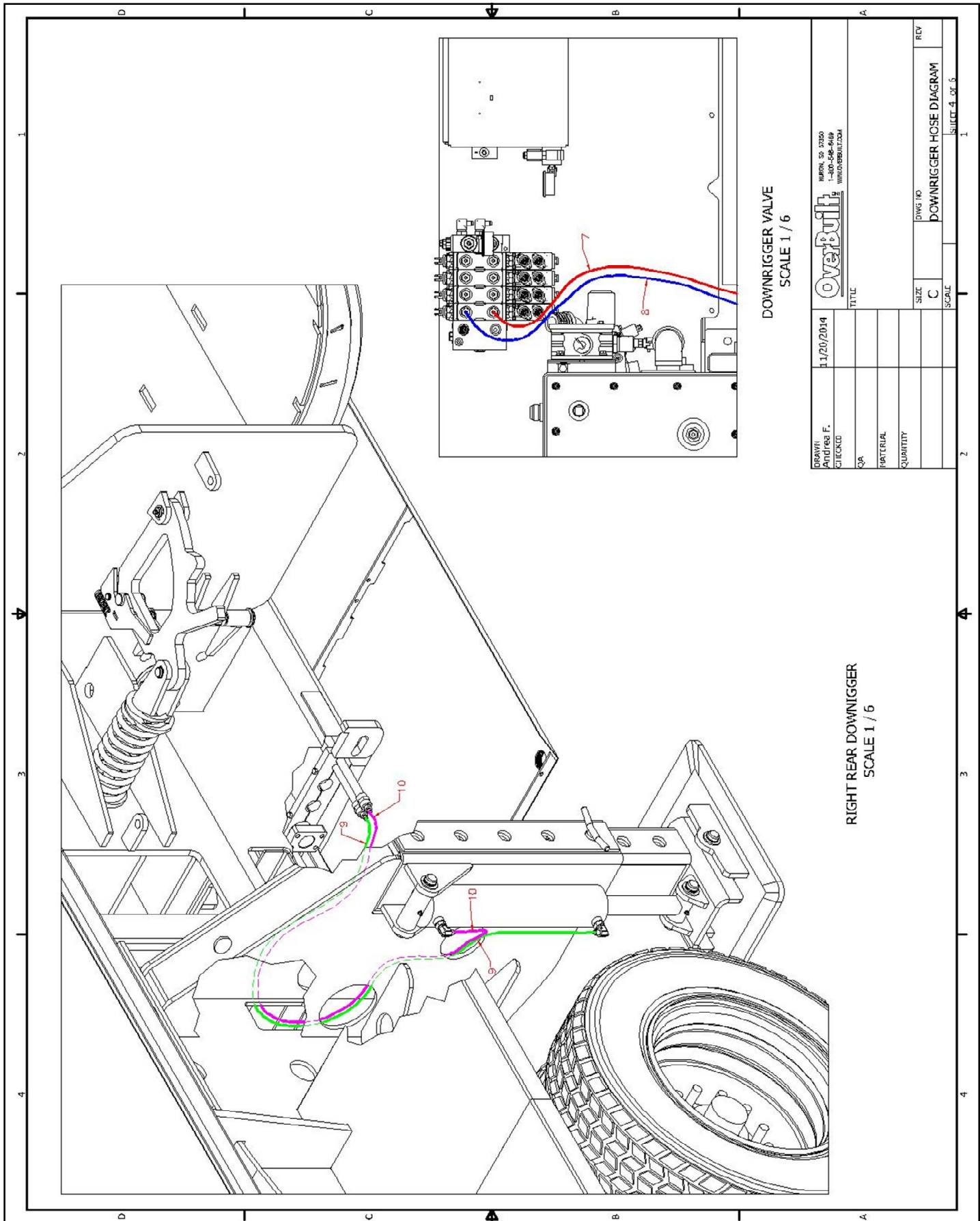


LEFT REAR DOWNRIGGER
SCALE 1 / 6

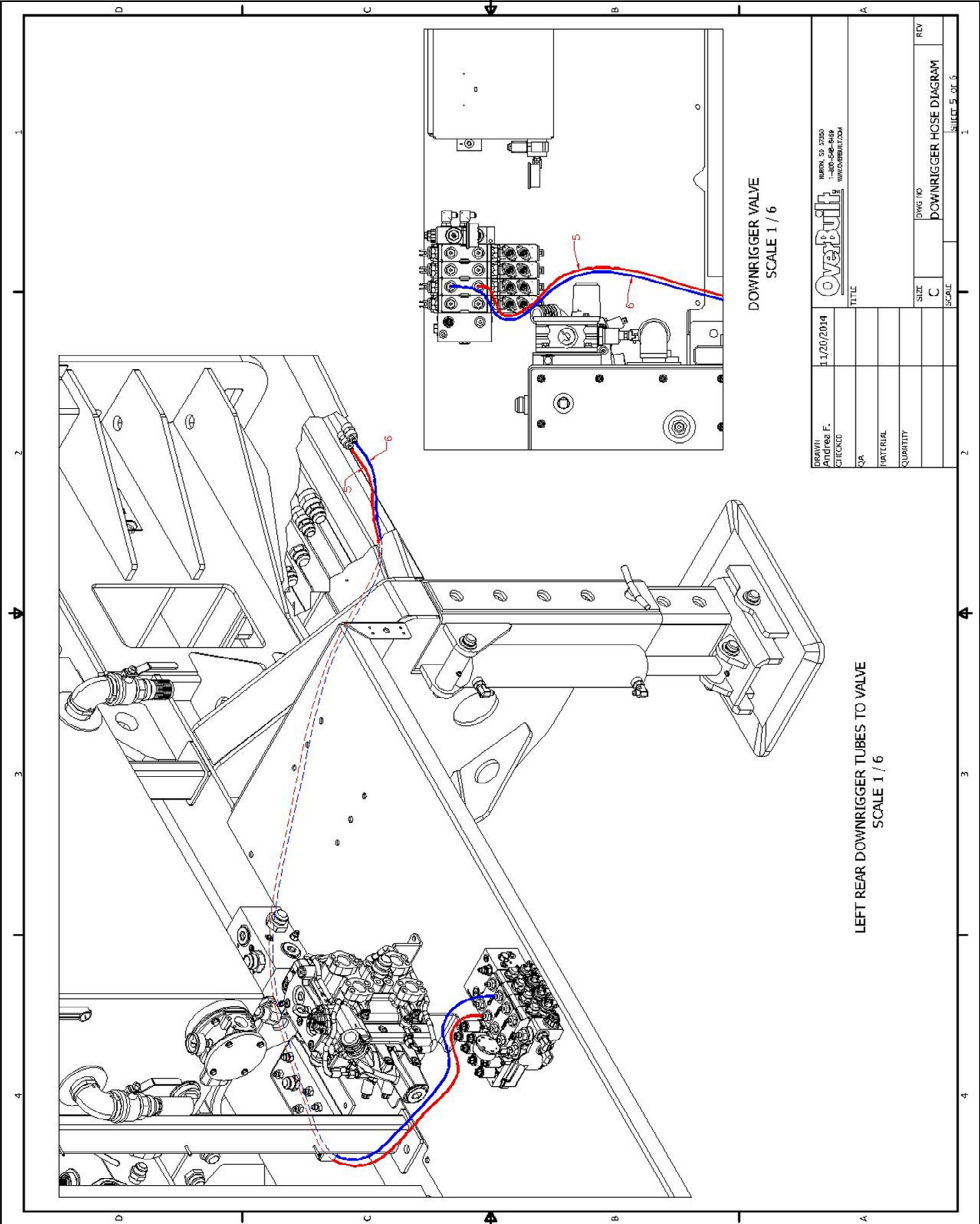


DOWNRIGGER VALVE
SCALE 1 / 6

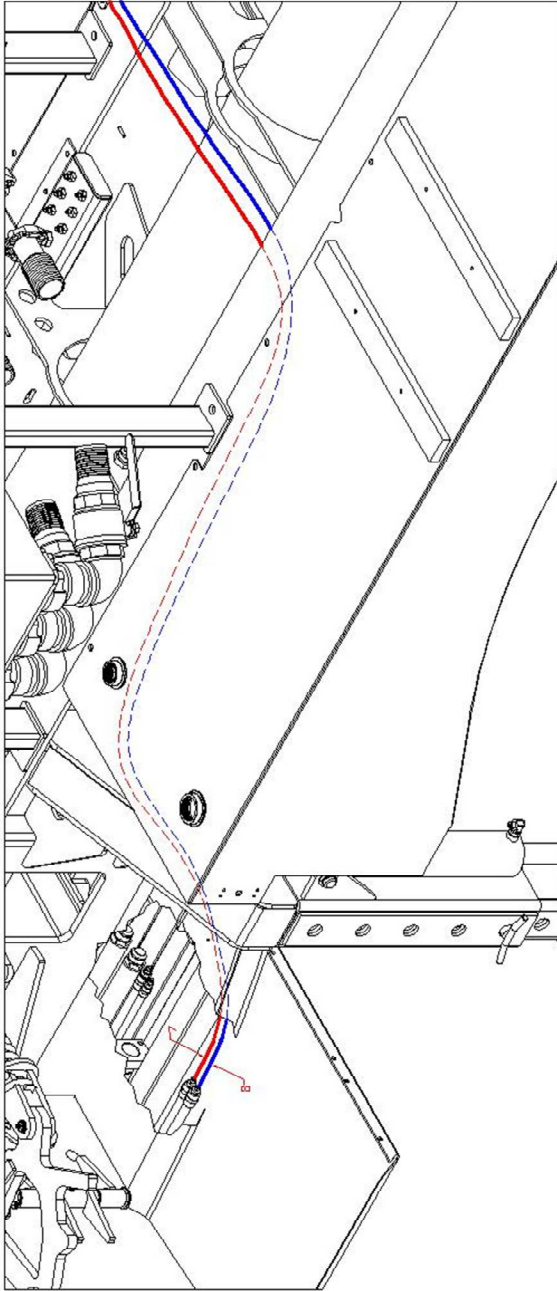
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		QUANTITY		
		SIZE	DWG NO.	REV
		C		
		SCALE	DOWNRIGGER HOSE DIAGRAM	
			SHEET 3 OF 5	



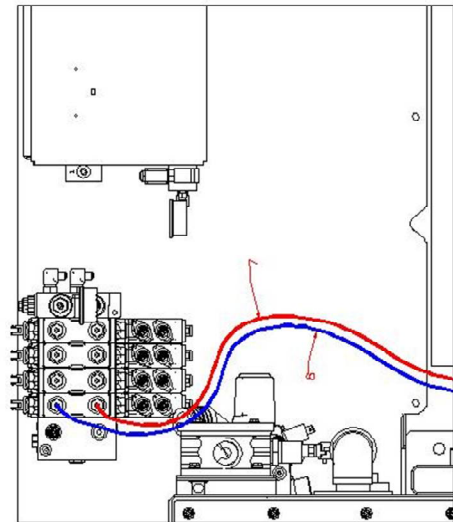
DESIGNED Andreas F.	11/20/2014	OVERBUILT		MURKIN, SD 57050 1-800-666-6669 WWW.OVERBUILT.COM	
CHECKED		TITLE			
QA					
MATERIAL					
QUANTITY					
		SIZE	C	DWG NO	DOWNRIGGER HOSE DIAGRAM
		SCALE			
					SHEET 4 OF 5



Drawn: Andrea F. Checked:	11/20/2014	OverBuilt BURLING, SD 57309 1-800-546-6468 WWW.OVERBUILT.COM	
QA		TITLE	
MATERIAL		REV	
QUANTITY		SIZE	
		DWG NO	
		DOWNRIGGER HOSE DIAGRAM	
		SCALE	
		SHEET 5 OF 6	



RIGHT REAR DOWNRIGGER TUBES TO VALVE
SCALE 1 / 8



DOWNRIGGER VALVE
SCALE 1 / 6

DRAWN: Andrea F. CHECKED:	11/20/2014	OverBuilt MURKIN, SD 57050 1-800-666-6469 WWW.OVERBUILT.COM		TITLE:		DWG NO:		DOWNRIGGER HOSE DIAGRAM		REV:
		QA	MATERIAL	QUANTITY	SCALE	SIZE	C	SCALE	1	

<u>Downriggers Hose Kit</u>				
ID	PART	QTY	TITLE	DESC.
1	OB-46-109	1	4D6X 126" 4FJX 4 FJX 90° HY	from first valve stack to left front downrigger
2	OB-46-108	1	4D6X 126" 4FJX 4 FJX 90° L HY	from first valve stack to left front downrigger
3	OB-46-107	1	4D6X 148" 4FJX 4 FJX 90° HY	from second valve stack to right front downrigger
4	OB-46-106	1	4D6X 148" 4FJX 4 FJX 90° L HY	from second valve stack to right front downrigger
5	OB-46-105	1	4D6X 158" 4FJX 4 FJX 90° HY	from third stack to left side pipes
6	OB-46-104	1	4D6X 158" 4FJX 4 FJX 90°LHY	from third stack to left side pipes
7	OB-46-103	1	4D6X 182" 4FJX 4 FJX 90° HY	from fourth stack to right side pipes
8	OB-46-102	1	4D6X 182" 4FJX 4 FJX 90° L HY	from fourth stack to right side pipes
9	OB-46-101	1	4D6X 84" 4FJX 6 FJX HY	from pipes to rear down riggers
10	OB-46-101	1	4D6X 84" 4FJX 6 FJX HY	from pipes to rear down riggers
11	OB-46-101	1	4D6X 84" 4FJX 6 FJX HY	from pipes to rear down riggers
12	OB-46-101	1	4D6X 84" 4FJX 6 FJX HY	from pipes to rear down riggers