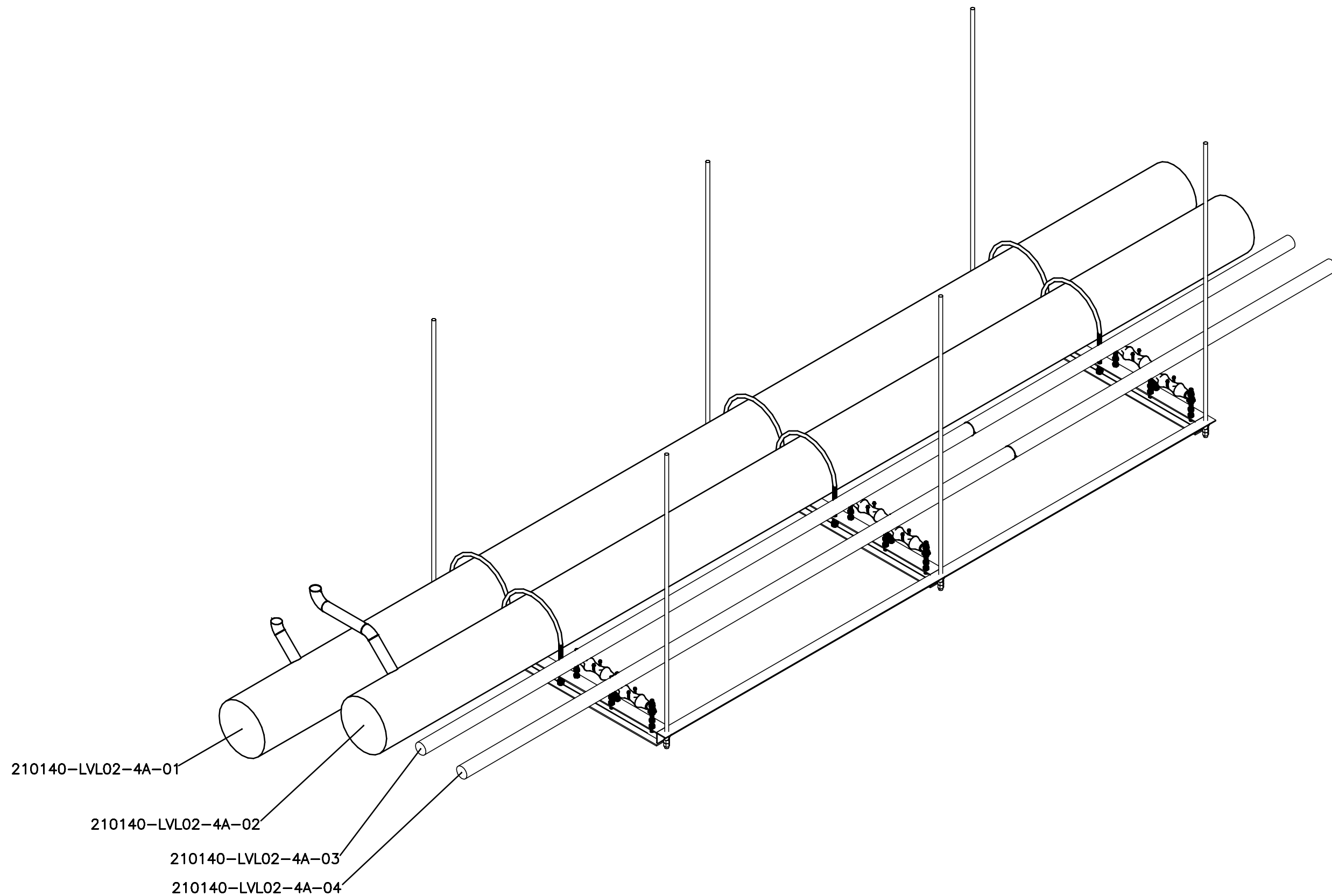
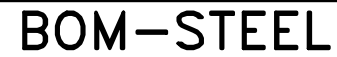
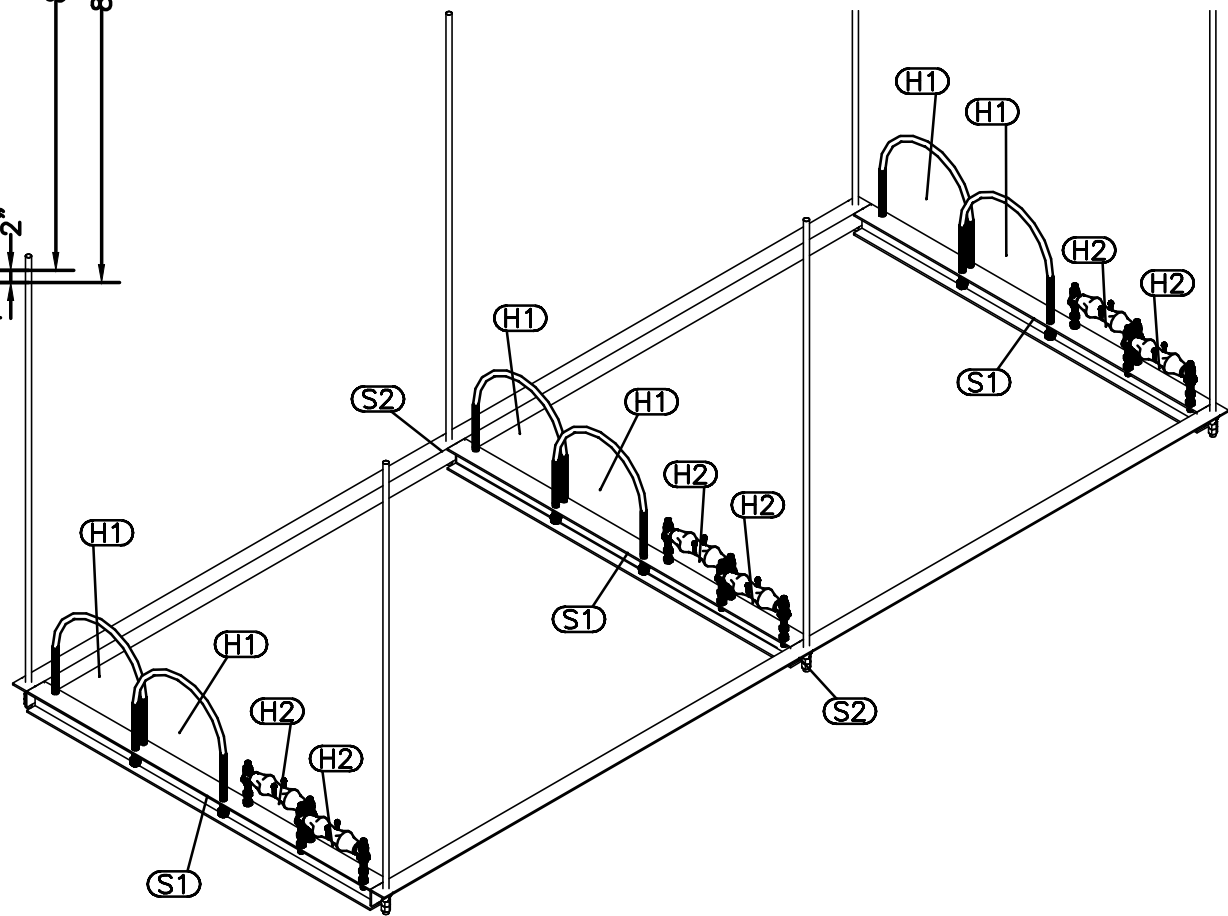
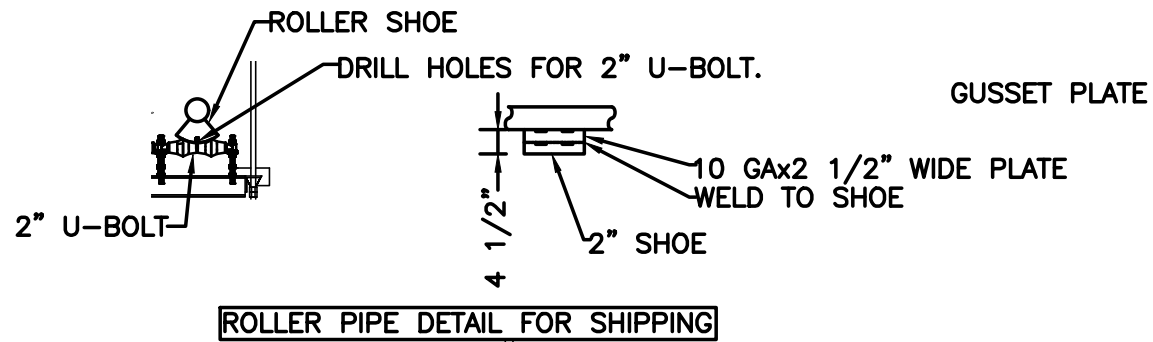


DRN JMM	5/25/2021	WUSM RESEARCH BUILDING			
CHK		NRB			
APP		LEVEL 02 NRB RACK			
JOB NO.	210140	SERVICE NAME			
REF.DWG.					
DRAWING NO./TRACKING NO.	201140-LVL02-4A	QTY.	1	SHT/NO	2 OF 3
				REV	0
		QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION	
				FITTING ORIENTATION	
				BOLTS/CPLG'S/TH'D TIGHT	
				SPOOL IDENTIFICATION	
		SPEC.	ASME	X-RAY	HYDRO TEST
		NA	NA	NA	NA
		0			
		REV	DATE	DESCRIPTION	
				DRN	CHK
				APP	



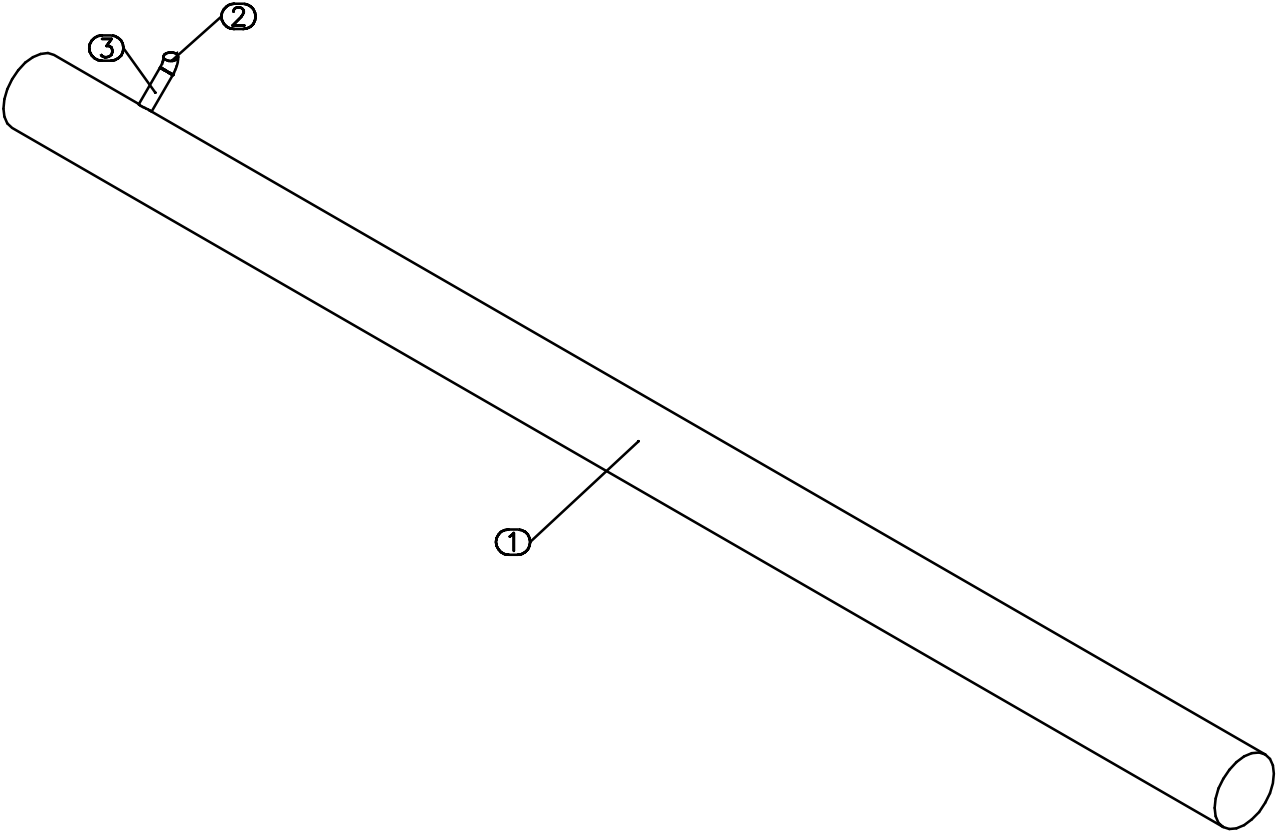
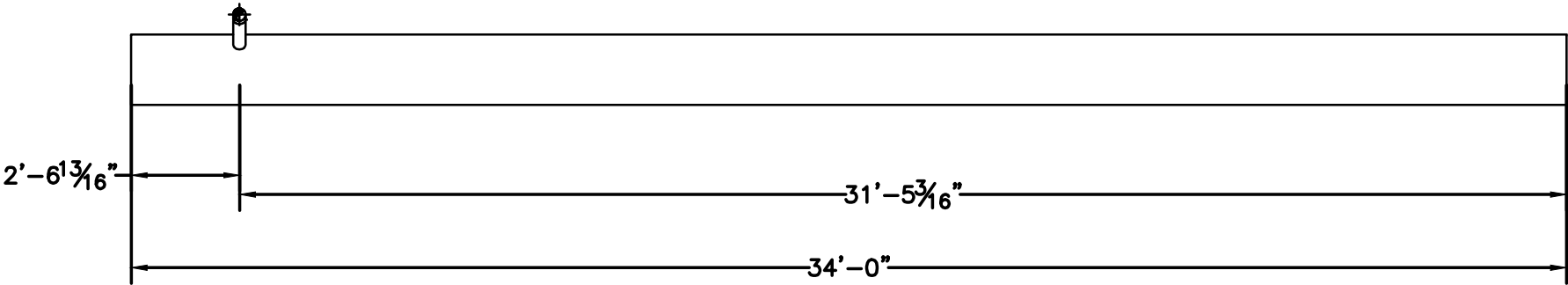
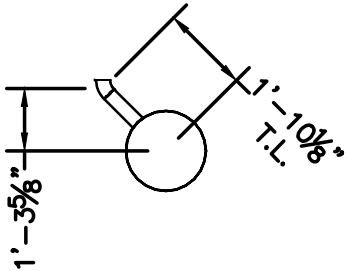
DRN JMM		5/26/2021	WUSM RESEARCH BUILDING				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>					
CHK			NRB								FITTING ORIENTATION				<input type="checkbox"/>					
APP			LEVEL 02 NRB RACK								BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>					
JOB NO.		210140	SERVICE NAME								SPOOL IDENTIFICATION				<input type="checkbox"/>					
REF.DWG.							SPEC.		ASME		X-RAY		HYDRO TEST		PWHT		COMMENTS			
							NA		NA		NA		NA		NA		MURPHY WPS#			
DRAWING NO./TRACKING NO.			QTY.		SHT/NO		REV													
201140-LVL02-4A			1		2 of 3		0													
							REV		DATE		DESCRIPTION				DRN		CHK		APP	
							0													



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DRN JMM	5/26/2021	WUSM RESEARCH BUILDING		
CHK		NRB		
APP		LEVEL 02 NRB RACK		
JOB NO.	210140	SERVICE NAME		
REF.DWG.				
DRAWING NO./TRACKING NO.		QTY.	SHT/NO	REV
201140-LVL02-4A		1	3 OF 3	0



Murphy–PFFS–SPOOL–BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Sch 40 SA-53B CS ERW Pipe Saddle			10"	10.000	20x3
2	1	Std Wt SA234 WPB CS BW 45 Deg Ell					3
1	1	Std Wt SA-53B CS ERW Pipe PE	BEV	BEV	34'-0"	408.000	20

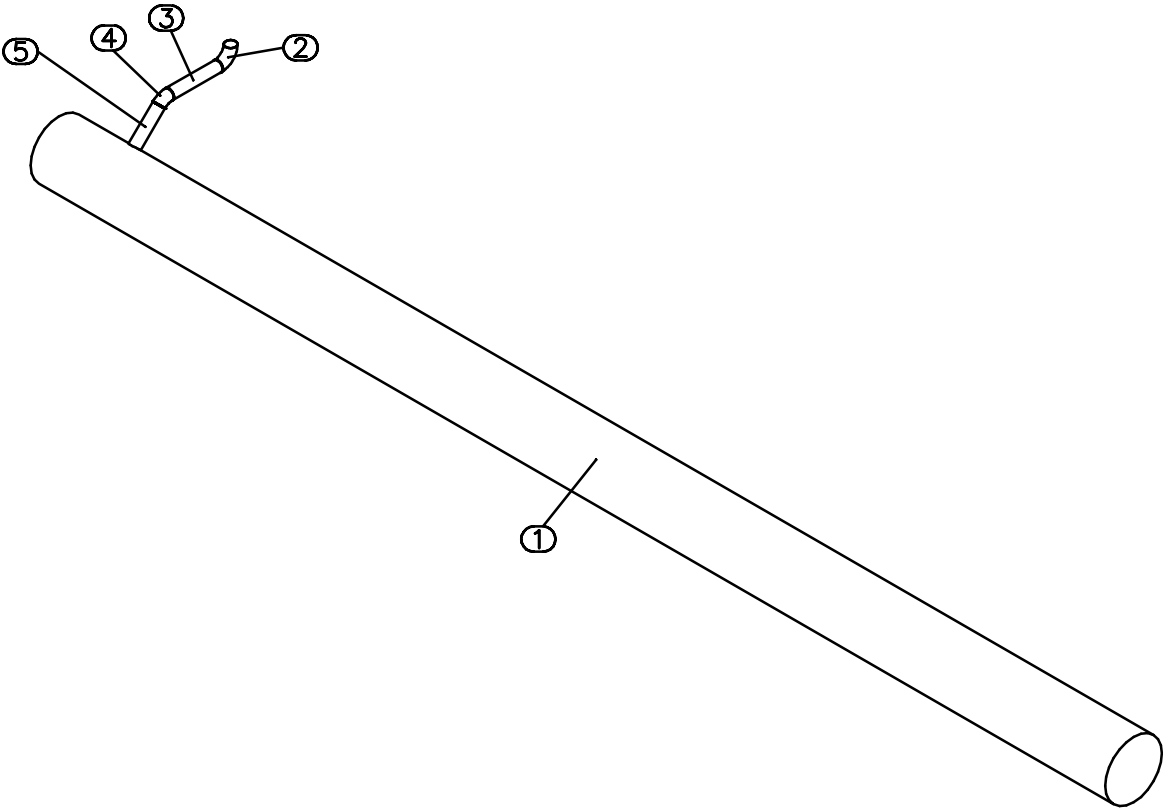
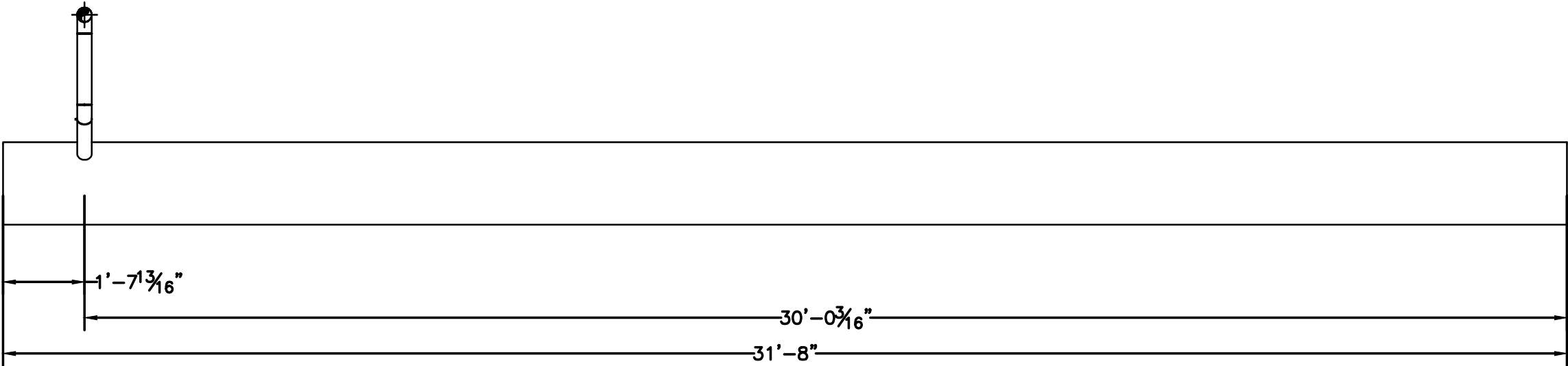
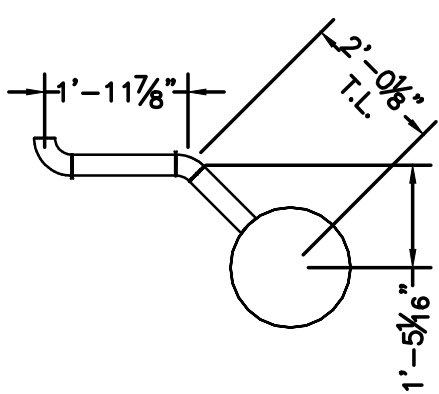
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<input type="checkbox"/> FLANGE WEIGHT/ORIENTATION <input type="checkbox"/> FITTING ORIENTATION <input type="checkbox"/> BOLTS/CPLG'S/TH'D TIGHT <input type="checkbox"/> SPOOL IDENTIFICATION	QA/QC ACCEPT				<input type="checkbox"/>			
	SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS		
	NA	NA	NA	NA	NA	MURPHY WPS#		
	0						DRN	CHK
REV	DATE	DESCRIPTION						APP

DRN	JMM	6/2/2021	WUSM RESEARCH BUILDING		
CHK			NRB		
APP			LVLO2		
JOB NO.	210140	SERVICE NAME			
REF.DWG.		LVLO2-4A RACK			
DRAWING NO./TRACKING NO.	210140-LVLO2-4A-01	QTY.	1	SHT/NO	1 OF 1
		REV	0		



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
5	1	Sch 40 SA-53B CS ERW Pipe Saddle			1'-0"	12.000	20x3
2	1	Std Wt SA234 WPB CS BW LR 90 Deg El					3
4	1	Std Wt SA234 WPB CS BW 45 Deg El					3
3	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	1'-5 1/8"	17.153	3
1	1	Std Wt SA-53B CS ERW Pipe PE	BEV	BEV	31'-8"	380.000	20

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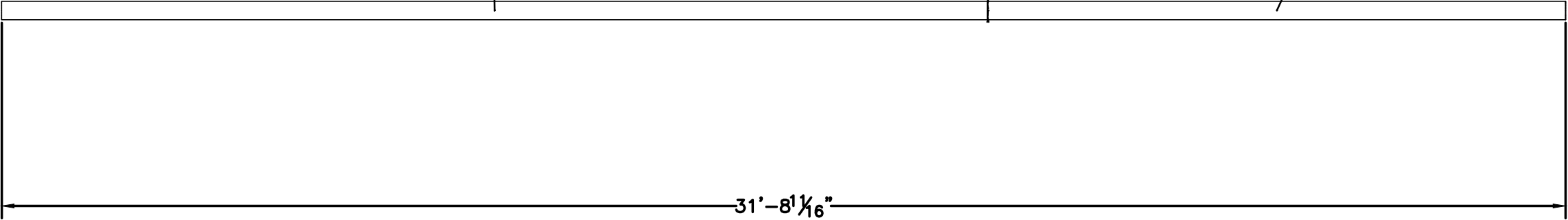
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<input type="checkbox"/>	FLANGE WEIGHT/ORIENTATION
<input type="checkbox"/>	FITTING ORIENTATION
<input type="checkbox"/>	BOLTS/CPLG'S/TH'D TIGHT
<input type="checkbox"/>	SPOOL IDENTIFICATION

QA/QC ACCEPT	ASME	X-RAY	HYDRO TEST	COMMENTS
	NA	NA	NA	MURPHY WPS#

0	REV	DATE	DESCRIPTION	DRN	CHK	APP

DRN	JMM	6/2/2021	WUSM RESEARCH BUILDING
CHK			NRB
APP			LVL02
JOB NO.	210140	SERVICE NAME	LVL02-4A RACK
REF.DWG.		QTY.	1
DRAWING NO./TRACKING NO.	210140-LVL02-4A-02	SHT/NO	1 of 1
		REV	0



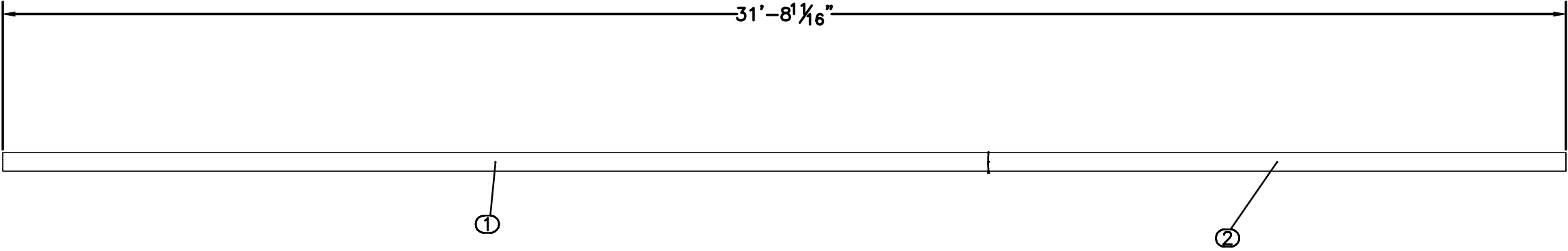
Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	XH SA-53B CS SMLS Pipe	BEV	BEV	20'-0"	240.000	4
2	1	XH SA-53B CS SMLS Pipe	BEV	BEV	11'-8 9/16"	140.542	4

DRN JMM		6/2/2021		WUSM RESEARCH BUILDING				QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION		<input type="checkbox"/>
CHK				NRB						FITTING ORIENTATION		<input type="checkbox"/>
APP				LVLO2						BOLTS/CPLG'S/TH'D TIGHT		<input type="checkbox"/>
JOB NO.		210140								SPOOL IDENTIFICATION		<input type="checkbox"/>
REF.DWG.				SERVICE NAME						SPEC.		
DRAWING NO./TRACKING NO.				LVLO2-4A RACK						HYDRO TEST		
210140-LVLO2-4A-03				QTY. 1						NA		
				SHT/NO						NA		
				1 OF 1						NA		
				REV						MURPHY WPS#		
				0								
				REV						DESCRIPTION		
				DATE						DRN		CHK
				APP								

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DRN JMM		6/2/2021		WUSM RESEARCH BUILDING				QA/QC ACCEPT										FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>												
CHK								NRB								FITTING ORIENTATION				<input type="checkbox"/>														
APP								LVLO2								BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>														
JOB NO.		210140														SPOOL IDENTIFICATION				<input type="checkbox"/>														
REF.DWG.						SERVICE NAME				LVLO2-4A RACK										SPEC.		ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS								
																		NA		NA	NA	NA	NA	MURPHY WPS#										
DRAWING NO./TRACKING NO.		QTY.				SHT/NO				REV														0										
210140-LVLO2-4A-04		1				1 of 1				0				DESCRIPTION										REV		DATE					DRN		CHK	APP