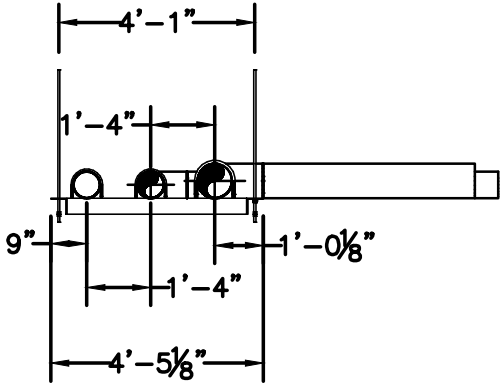
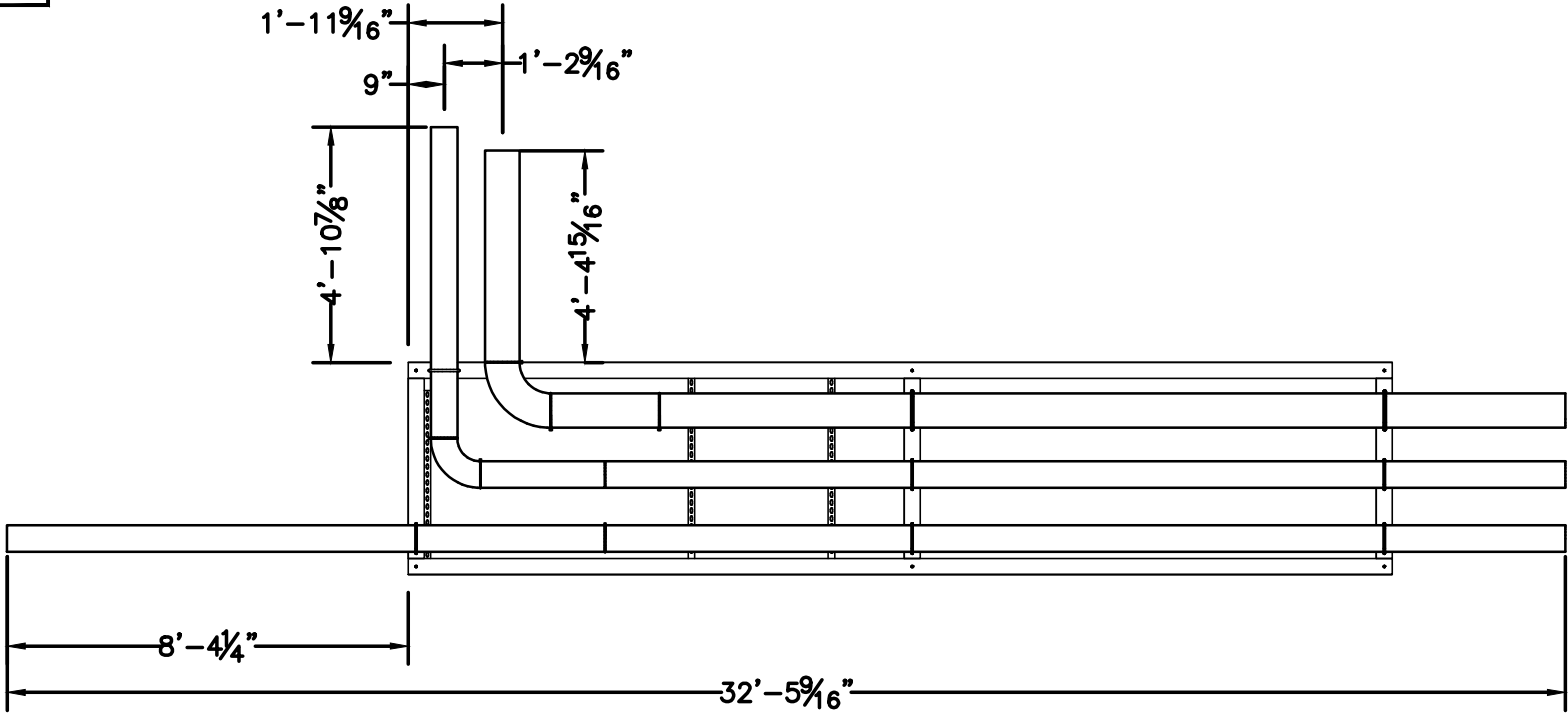


COATINGS

PRIMER ☒
COLOR: RED

PAINT ☐
COLOR: N/A

GAL'V ☐



DRN JMM		3/13/2021	WUSM RESEARCH BUILDING				QA/QC ACCEPT				<input type="checkbox"/> FLANGE WEIGHT/ORIENTATION			
CHK			NRB CUP								<input type="checkbox"/> FITTING ORIENTATION			
APP			PIPE RACKS								<input type="checkbox"/> BOLTS/CPLG'S/TH'D TIGHT			
JOB NO.		210140									<input type="checkbox"/> SPOOL IDENTIFICATION			
REF.DWG.			SERVICE NAME				SPEC.		ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS	
DRAWING NO./TRACKING NO.							NA		NA	NA	NA	NA	MURPHY WPS#	
210140-A-UPL1-3							0							
							REV		DATE	DESCRIPTION				
													DRN	CHK
														APP

COATINGS

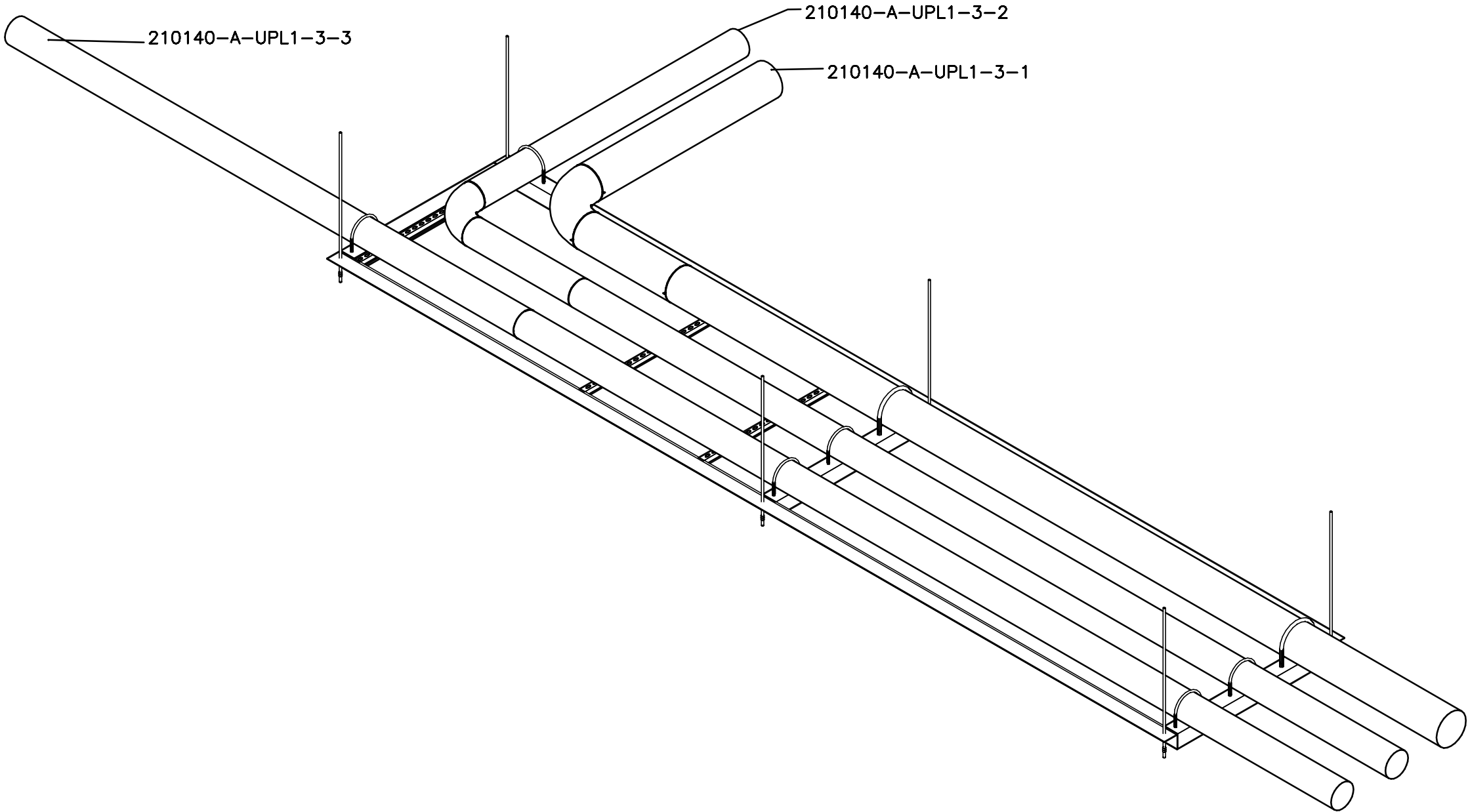
PRIMER ☒

COLOR: RED

PAINT ☐

COLOR: N/A

GAL'V ☐



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DRN JMM	3/13/2021	WUSM RESEARCH BUILDING				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>					
CHK		NRB CUP								FITTING ORIENTATION				<input type="checkbox"/>					
APP		PIPE RACKS								BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>					
JOB NO.	210140	SERVICE NAME								SPOOL IDENTIFICATION				<input type="checkbox"/>					
REF.DWG.																			
DRAWING NO./TRACKING NO.		QTY.		SHT/NO		REV		SPEC.		ASME		X-RAY		HYDRO TEST		PWHT		COMMENTS	
210140-A-UPL1-3		1		2 of 4		0		NA		NA		NA		NA		NA		MURPHY WPS#	
								0											
								REV		DATE		DESCRIPTION		DRN		CHK		APP	

COATINGS

PRIMER

☒

COLOR:

RED

PAIN

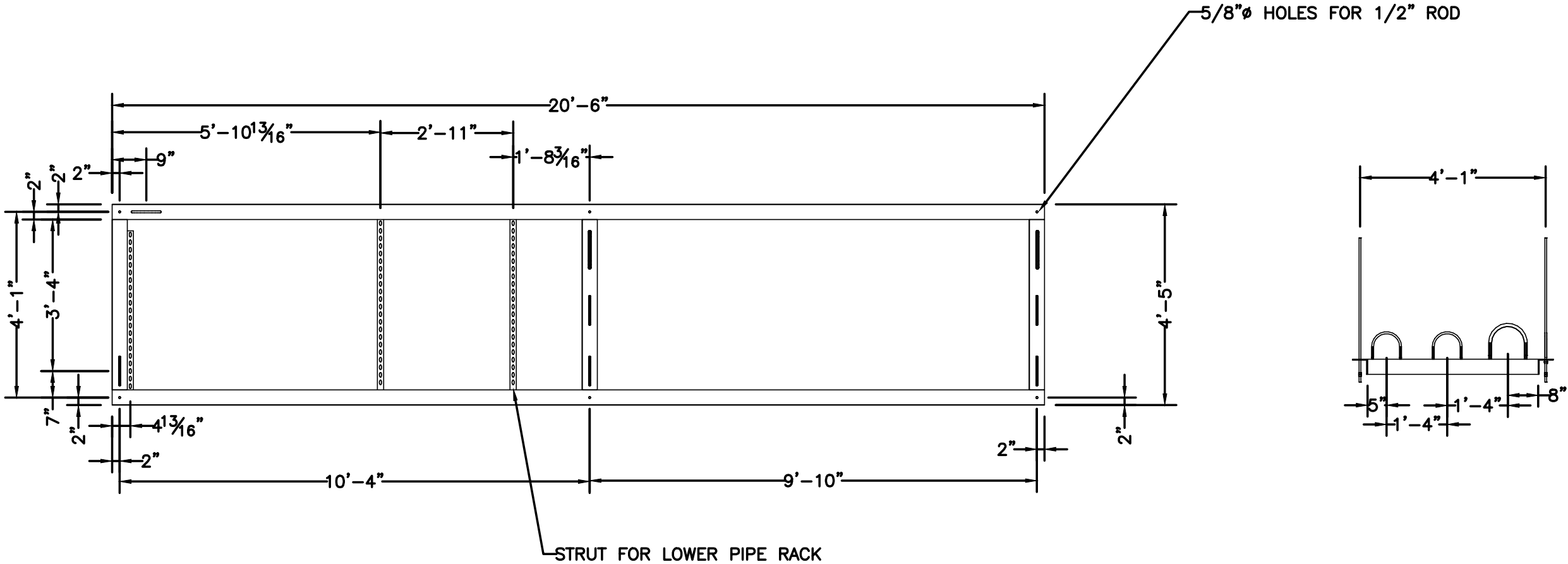
☐

COLOR:

N/A

GAL'V

☐



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DRN JMM	3/13/2021	WUSM RESEARCH BUILDING				QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION		<input type="checkbox"/>
		NRB CUP						FITTING ORIENTATION		<input type="checkbox"/>
		PIPE RACKS						BOLTS/CPLG'S/TH'D TIGHT		<input type="checkbox"/>
CHK								SPOOL IDENTIFICATION		<input type="checkbox"/>
APP										
JOB NO.	210140	SERVICE NAME				SPEC.	ASME	X-RAY	HYDRO TEST	COMMENTS
REF.DWG.						NA	NA	NA	NA	MURPHY WPS#
DRAWING NO./TRACKING NO.		QTY.	SHT/NO	REV	DESCRIPTION					
210140-A-UPL1-3		1	3 of 4	0	REV	DATE			DRN	CHK APP

COATINGS

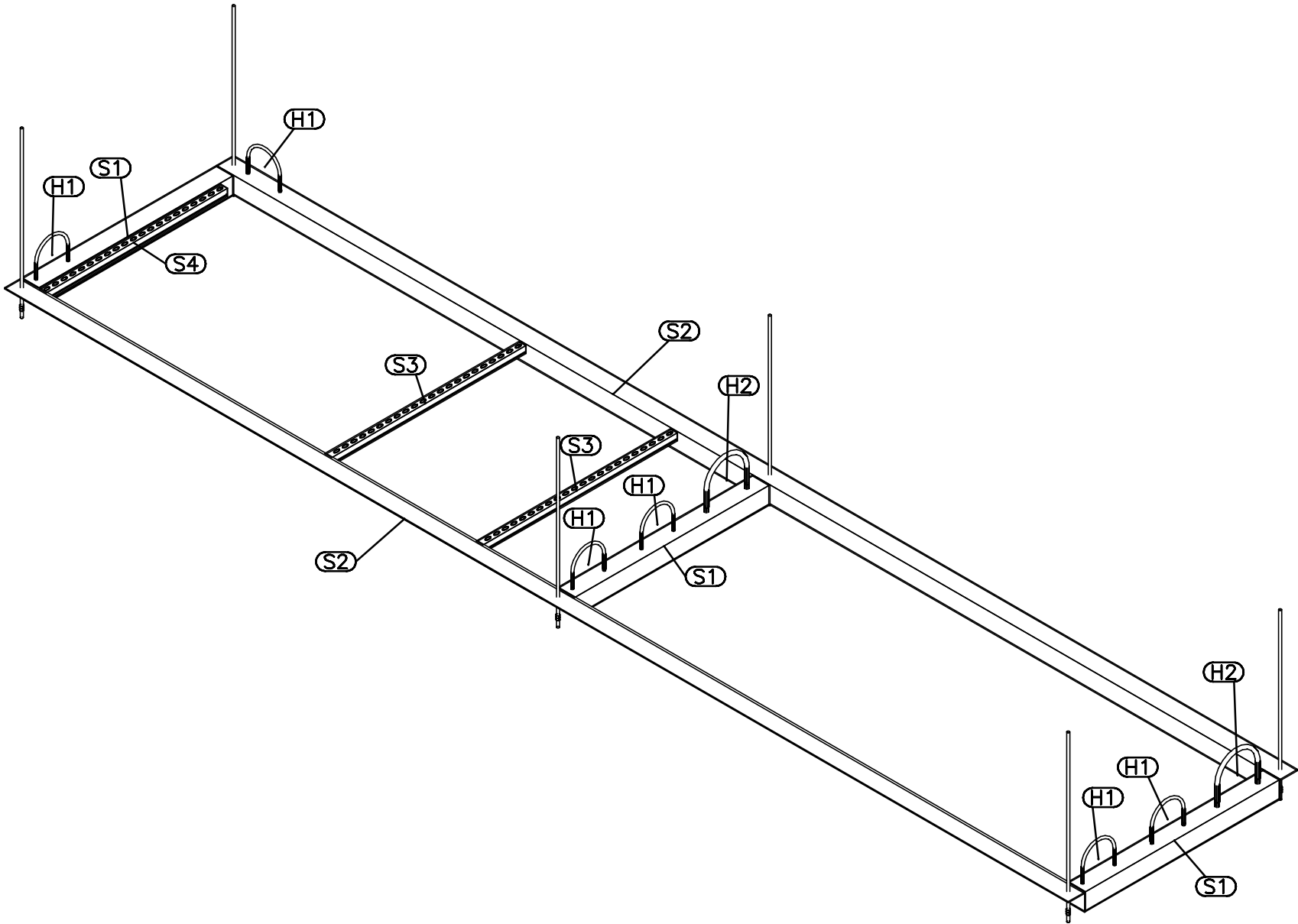
PRIMER ☒

COLOR: RED

PAINT ☐

COLOR: N/A

GAL'V ☐



BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
H1	Fig137	Fig.137 U-Bolt (4)-Nut Black	6	6	0"
H2	Fig137	Fig.137 U-Bolt (4)-Nut Black	2	8	0"
S1	L4x4x1/4	ASTM A36 CS Equal Angle	3	L4x4x1/4	45"
S2	L4x4x1/4	ASTM A36 CS Equal Angle	2	L4x4x1/4	246"
S3	B22SH YZN	1-5/8 GALV 12GA 2in Slotted Unistrut	2	1-5/8x1-5/8	45"
S4	B22SH YZN	1-5/8 GALV 12GA 2in Slotted Unistrut	1	1-5/8x1-5/8	42"

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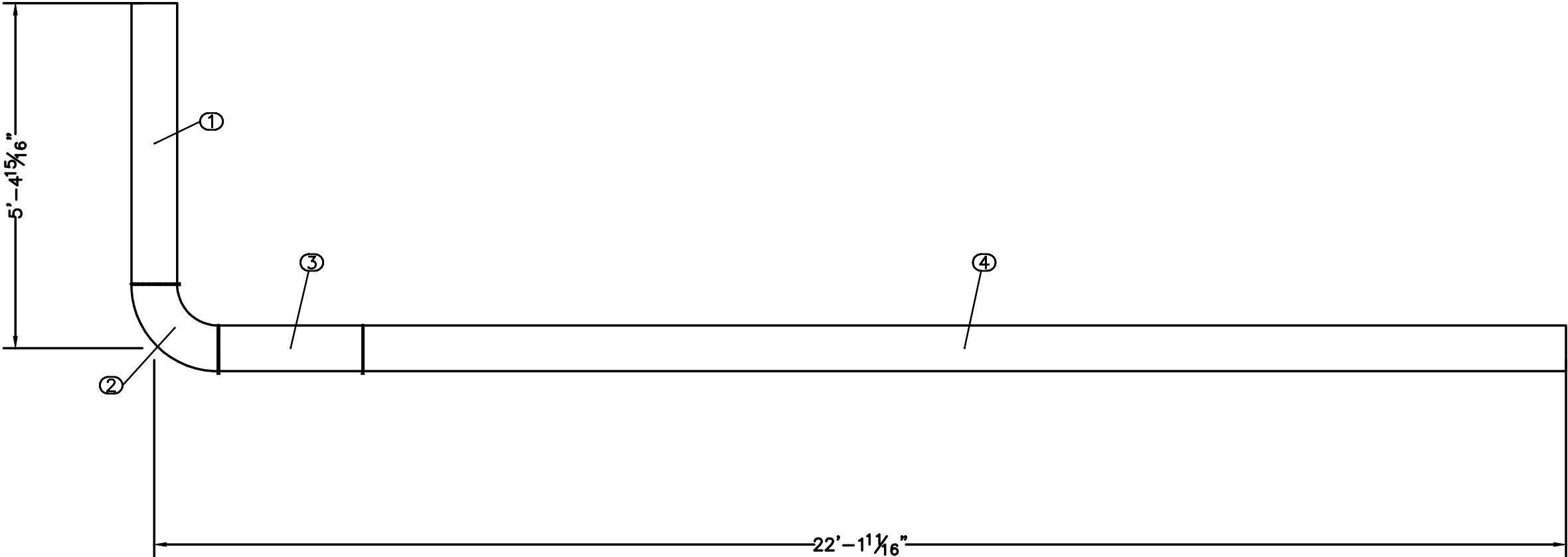
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<input type="checkbox"/>	FITTING ORIENTATION
<input type="checkbox"/>	BOLTS/CPLG'S/TH'D TIGHT
<input type="checkbox"/>	SPOOL IDENTIFICATION

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

SPEC.	NA	DATE	DESCRIPTION	MURPHY WPS#
0				

REV	DRN	CHK	APP

DRN JMM	3/13/2021	WUSM RESEARCH BUILDING	
CHK		NRB CUP	
APP		PIPE RACKS	
JOB NO.	210140	SERVICE NAME	
REF.DWG.			
DRAWING NO./TRACKING NO.	QTY.	SHT/NO	REV
210140-A-UPL1-3	1	4 OF 4	0



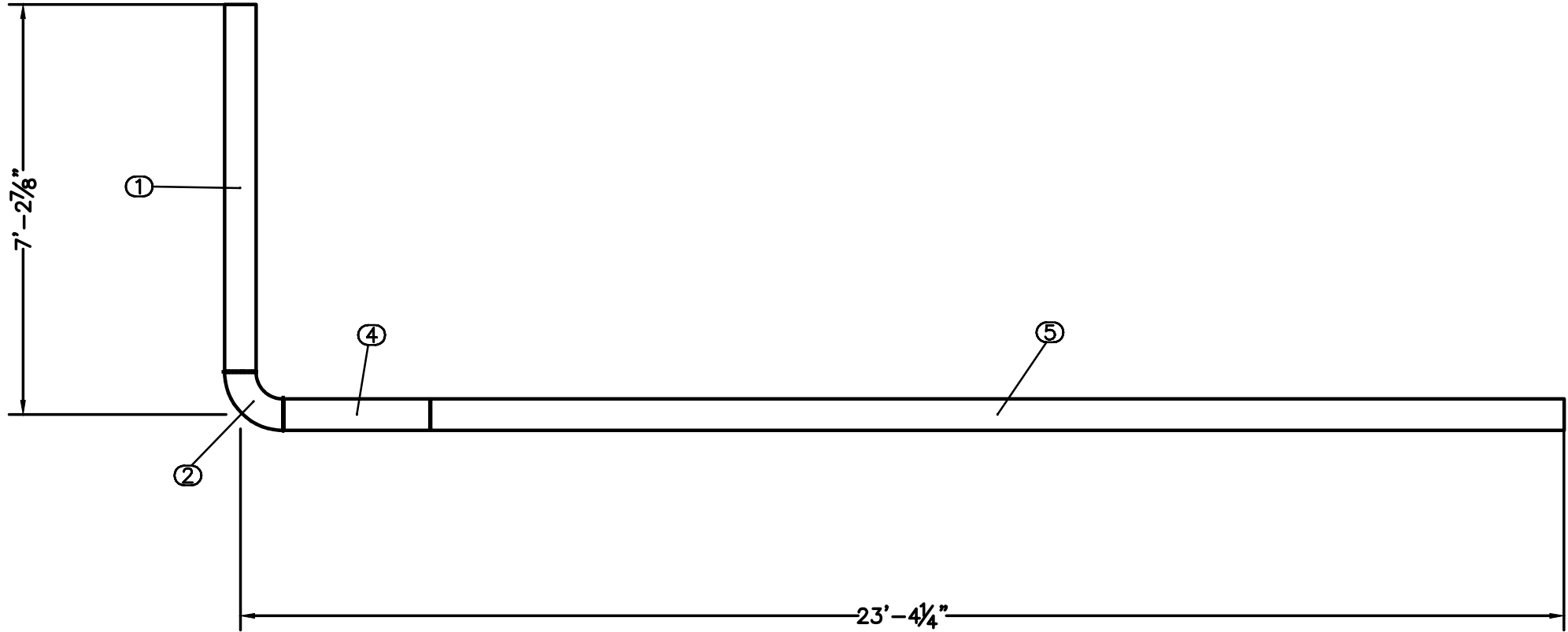
Murphy—PFFS—SPOOL—BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	Std Wt SA234 WPB CS BW LR 90 Deg El					8
1	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	4'-4 13/16"	52.842	8
3	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	2'-3 1/16"	27.046	8
4	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	18'-10 7/16"	226.410	8

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DRN	JMM	3/13/2021	WUSM RESEARCH BUILDING				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION							
CHK			NRB CUP								FITTING ORIENTATION							
APP											BOLTS/CPLG'S/TH'D TIGHT							
JOB NO.	210140		SERVICE NAME								SPOOL IDENTIFICATION							
REF.DWG.			UPL1-3															
DRAWING NO./TRACKING NO.	210140-A-UPL1-3-1		QTY.	1	SHT/NO	1 of 1	REV	0	ASME	NA	X-RAY	NA	HYDRO TEST	NA	PWHT	NA	COMMENTS	MURPHY WPS#
									REV	DATE	DESCRIPTION			DRN	CHK	APP		




Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	Std Wt SA234 WPB CS BW LR 90 Deg Ell					6
1	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	6'-5 3/4"	77.719	6
4	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	2'-7"	31.029	6
5	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	20'-0"	240.000	6

DRN JMM	3/13/2021	WUSM RESEARCH BUILDING NRB CUP		SERVICE NAME UPL1-3	QTY. 1	SHT/NO 1 of 1	REV 0
CHK							
APP							
JOB NO.	210140						
REF.DWG.							
DRAWING NO./TRACKING NO. 210140-A-UPL1-3-2							

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

SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS		
NA	NA	NA	NA	NA	MURPHY WPS#		
0							
REV	DATE	DESCRIPTION			DRN	CHK	APP



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