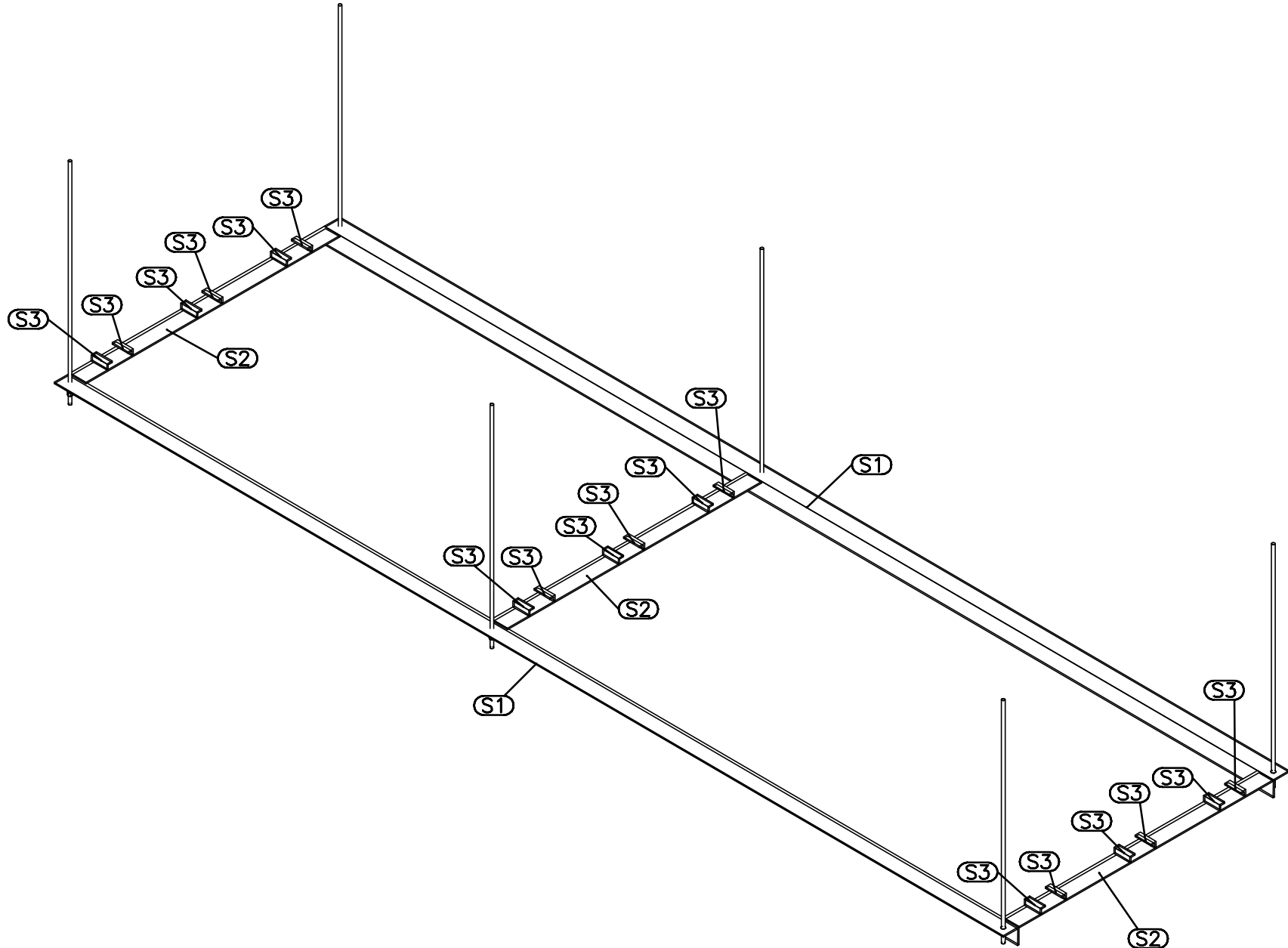
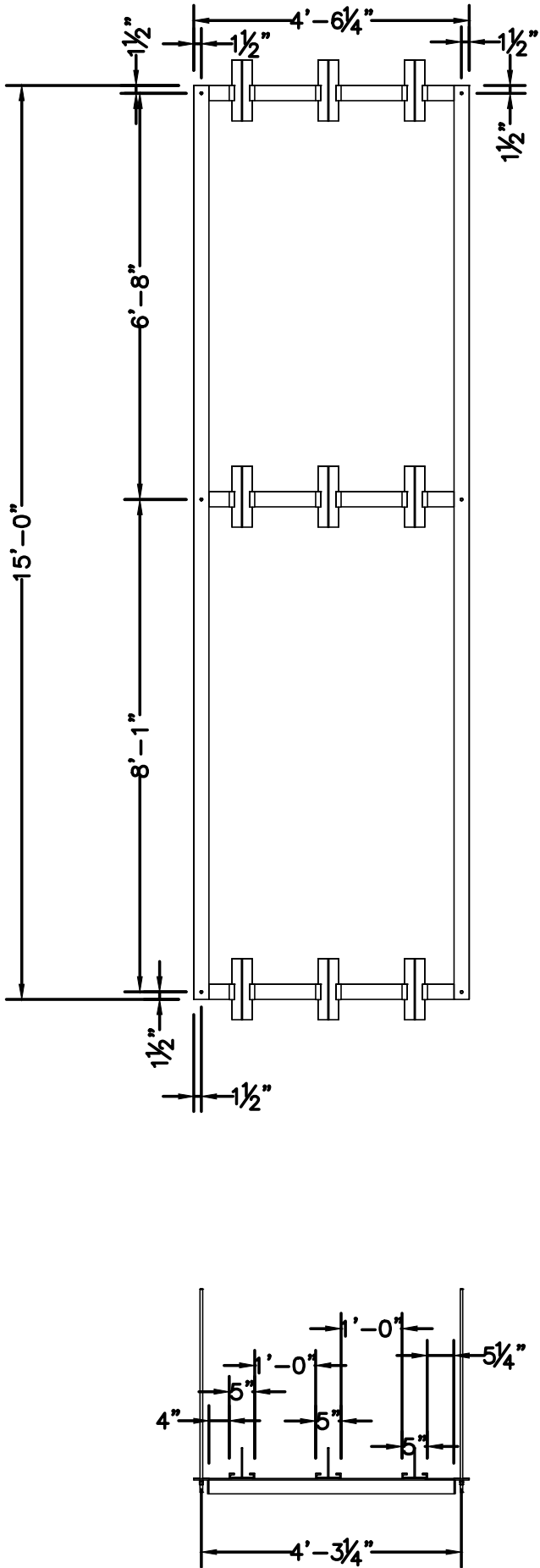


DRN JMM		5/5/2021	WUSM RESEARCH BUILDING		QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION		0	
CHK			NRB CUP		X-RAY		FITTING ORIENTATION		NA	
APP			PIPE RACKS		ASME		BOLTS/CPLG'S/TH'D TIGHT		NA	
JOB NO.		210140	SERVICE NAME		HYDRO TEST		SPOOL IDENTIFICATION		NA	
REF.DWG.			CUP LEVEL 02		PWHT		COMMENTS		MURPHY WPS#	
DRAWING NO./TRACKING NO.		210140-UPL2-2A	QTY.		REV		DATE		DESCRIPTION	
			1		1 of 2					
					REV		DATE		DRN	
					0				CHK	
									APP	

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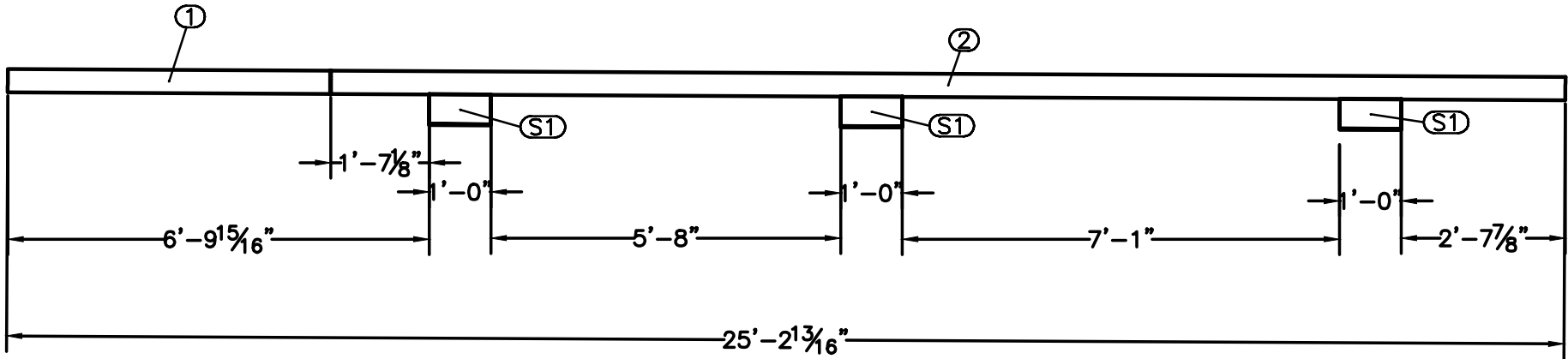
BOM-STEEL

Item No	Order	Description	Qty	Size	Steel L
S1	L3x3x1/4	ASTM A36 CS Equal Angle	2	L3x3x1/4	180"
S2	L3x3x1/4	ASTM A36 CS Equal Angle	3	L3x3x1/4	48 1/4"
S3	L1x1x1/4	ASTM A36 CS Equal Angle	18	L1x1x1/4	3"

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DRN JMM CHK APP	5/5/2021	WUSM RESEARCH BUILDING NRB CUP PIPE RACKS				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION FITTING ORIENTATION BOLTS/CPLG'S/TH'D TIGHT SPOOL IDENTIFICATION						
		SERVICE NAME				SPEC.				HYDRO TEST						
		CUP LEVEL 02				ASME				X-RAY						
		REF.DWG.				NA				NA						
DRAWING NO./TRACKING NO. 210140-UPL2-2A		QTY.	1	SHT/NO	2 OF 2	REV	0	DATE	NA	NA	NA	NA	COMMENTS	MURPHY WPS#		
								REV	0	DATE	NA	NA	DESCRIPTION	DRN	CHK	APP



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	XH SA-53B CS SMLS Pipe	BEV	BEV	5'-2 11/16"	62.669	4
2	1	XH SA-53B CS SMLS Pipe	BEV	BEV	20'-0"	240.000	4

BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
S1	WT6x7		3		12"

MURPHY
SINCE 1907

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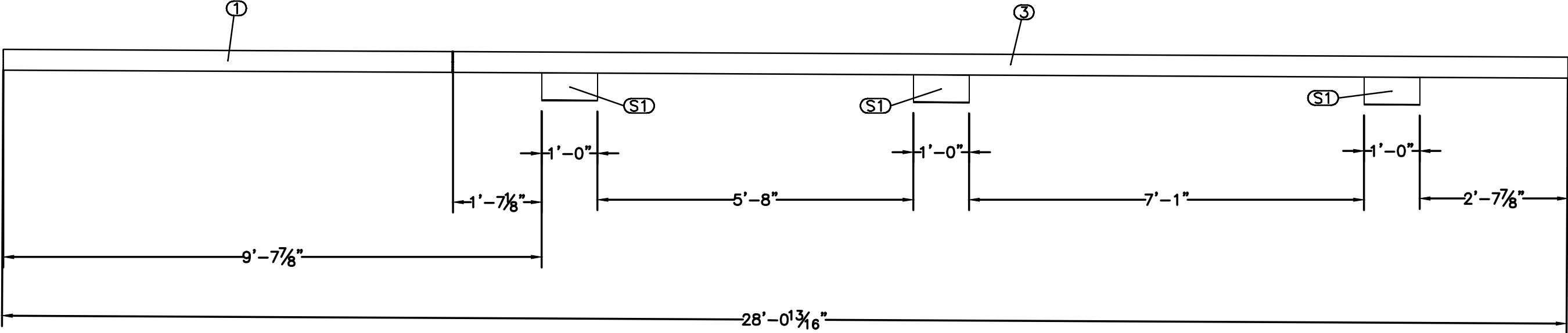
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<input type="checkbox"/>	FLANGE WEIGHT/ORIENTATION
<input type="checkbox"/>	FITTING ORIENTATION
<input type="checkbox"/>	BOLTS/CPLG'S/TH'D TIGHT
<input type="checkbox"/>	SPOOL IDENTIFICATION

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

SPEC.	REV	DATE	DESCRIPTION	DRN	CHK	APP
NA	0					

DRN JMM	5/10/2021	WUSM RESEARCH BUILDING	
CHK		NRB CUP	
APP		PIPE RACKS	
JOB NO.	210140	SERVICE NAME	
REF.DWG.		UPL2-2A	
DRAWING NO./TRACKING NO.	QTY.	SHT/NO	REV
210140-UPL2-2A-01	1	1 of 1	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	8'-0 11/16"	96.670	4
3	1	XH SA-53B CS SMLS Pipe	BEV	BEV	20'-0"	240.000	4

BOM–STEEL					
Item No	Order	Description	Qty	Size	Steel L
S1	WT6x7		3		12"

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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	SPEC.	ASME	X-RAY	HYDRO TEST	COMMENTS
	NA	NA	NA	NA	MURPHY WPS#

0	REV	DATE	DESCRIPTION	DRN	CHK	APP

DRN JMM	5/10/2021	WUSM RESEARCH BUILDING	
CHK		NRB CUP	
APP		PIPE RACKS	
JOB NO.	210140	SERVICE NAME	
REF.DWG.		UPL2-2A	
DRAWING NO./TRACKING NO.	QTY.	SHT/NO	REV
210140-UPL2-2A-03	1	1 of 1	0