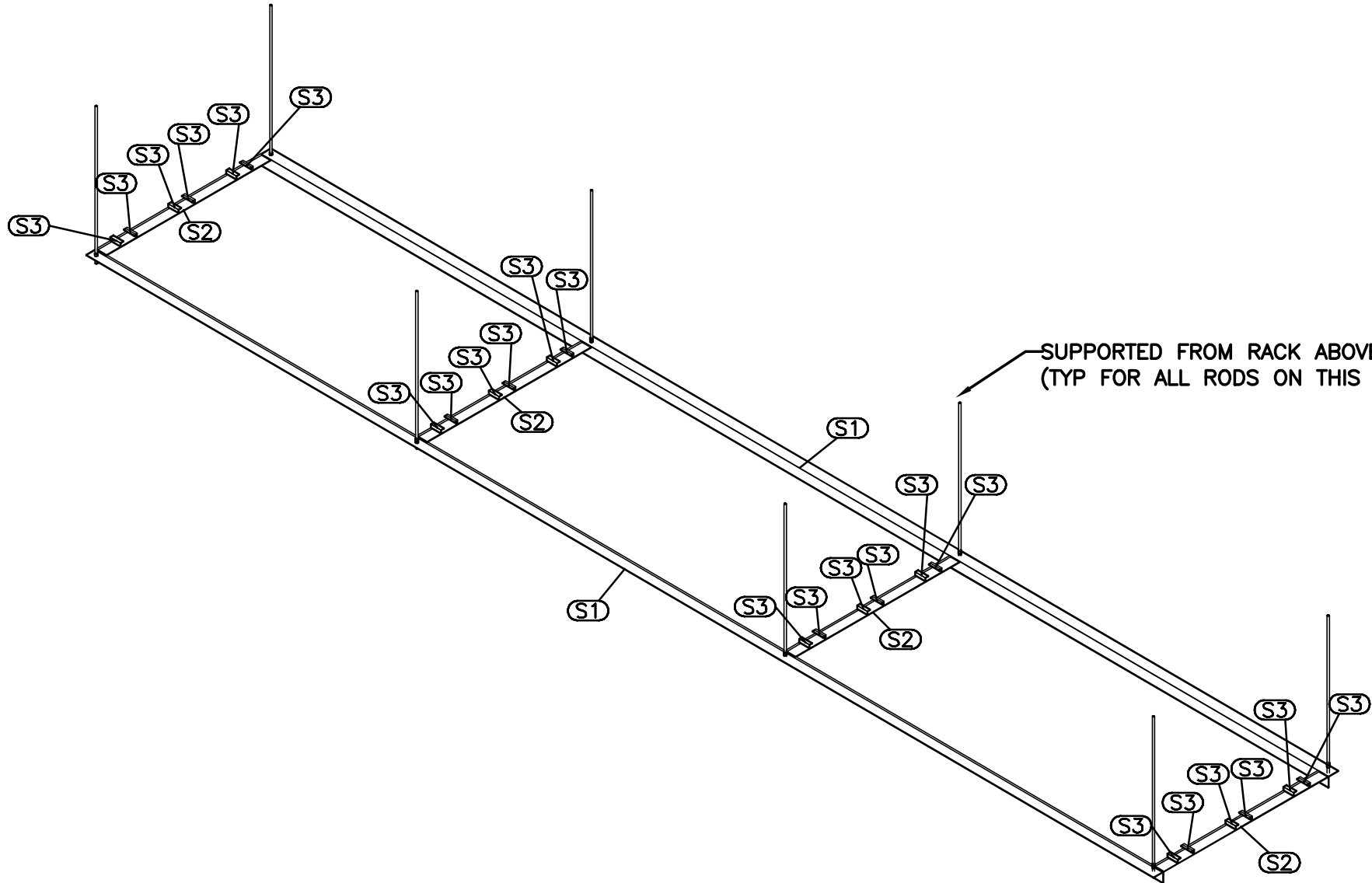
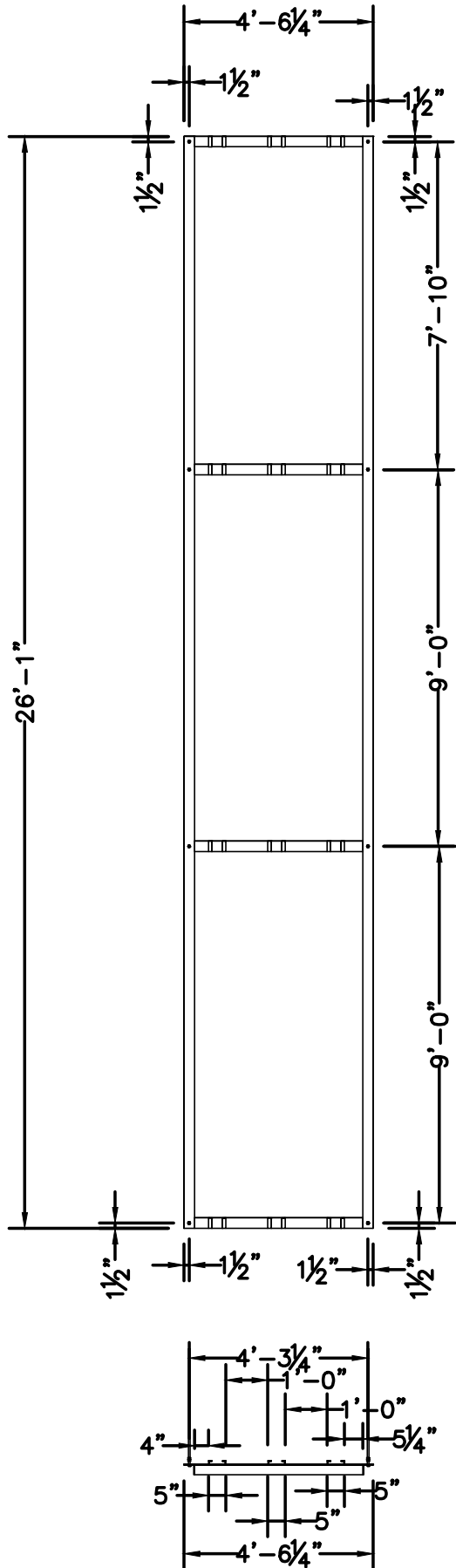


DRN JMM	5/5/2021	WUSM RESEARCH BUILDING	
CHK		NRB CUP	
APP		PIPE RACKS	
JOB NO.	210140	SERVICE NAME	
REF.DWG.		CUP LEVEL 02	
DRAWING NO./TRACKING NO.		QTY.	SHT/NO
210140-UPL2-2B		1	1 of 2
			REV
			0



SUPPORTED FROM RACK ABOVE.
(TYP FOR ALL RODS ON THIS RACK.)

BOM-STEEL

Item No	Order	Description	Qty	Size	Steel L
S1	L3x3x1/4	ASTM A36 CS Equal Angle	2	L3x3x1/4	313"
S2	L3x3x1/4	ASTM A36 CS Equal Angle	4	L3x3x1/4	48 1/4"
S3	L1x1x1/4	ASTM A36 CS Equal Angle	24	L1x1x1/4	3"

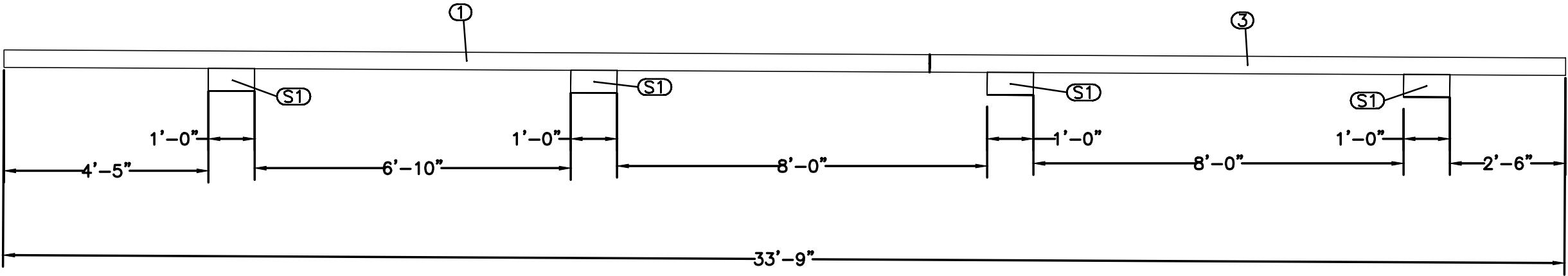
MURPHY
SINCE 1907
CONSTRUCTORS • ENGINEERS MECHANICAL • INDUSTRIAL
1233 N. Price Rd.
St. Louis, MO 63132-2303
314-997-6600 phone
BIMCAD@murphy-stl.com

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"/>

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

0	REV	DATE	DESCRIPTION	DRN	CHK	APP

WUSM RESEARCH BUILDING	5/5/2021	JMM	DRN
NRB CUP			CHK
PIPE RACKS			APP
SERVICE NAME	210140		JOB NO.
CUP LEVEL 02			REF.DWG.
QTY. 1	SHT/NO 2 OF 2	REV 0	DRAWING NO./TRACKING NO.
210140-UPL2-2B			



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
3	1	XH SA-53B CS SMLS Pipe	BEV	BEV	13'-8 7/8"	164.860	4

BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
S1	WT6x7		4		12"

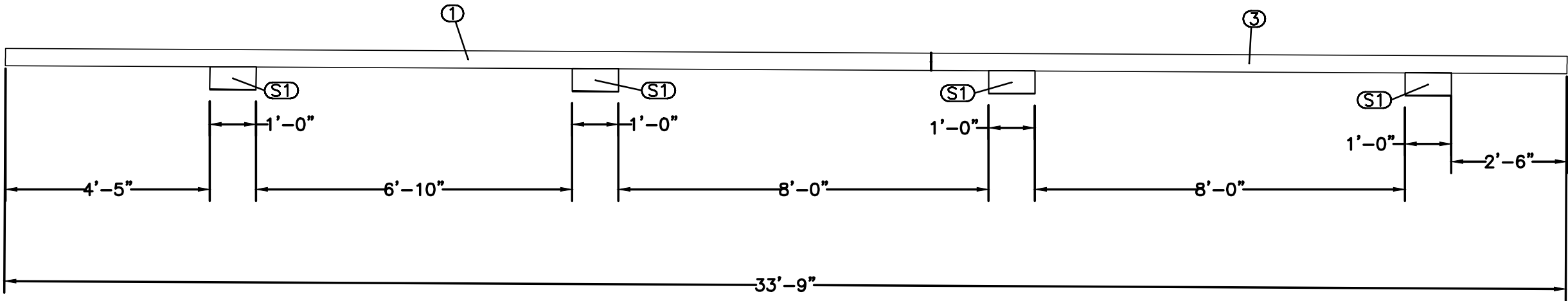
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St. Louis, MO 63132-2303
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<input type="checkbox"/>	FLANGE WEIGHT/ORIENTATION
<input type="checkbox"/>	FITTING ORIENTATION
<input type="checkbox"/>	BOLTS/CPLG'S/TH'D TIGHT
<input type="checkbox"/>	SPOOL IDENTIFICATION

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

DRN	JMM	5/5/2021	WUSM RESEARCH BUILDING				
CHK			NRB CUP				
APP			PIPE RACKS				
JOB NO.	210140	SERVICE NAME	CUP LEVEL 02				
REF.DWG.			QTY.	SHT/NO	REV		
210140-UPL2-2B-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	20'-0"	240.000	4
3	1	XH SA-53B CS SMLS Pipe	BEV	BEV	13'-8 7/8"	164.860	4

BOM-STEEL

Item No	Order	Description	Qty	Size	Steel L
S1	WT6x7		4		12"

MURPHY
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☐ FLANGE WEIGHT/ORIENTATION

☐ FITTING ORIENTATION

☐ BOLTS/CPLG'S/TH'D TIGHT

☐ SPOOL IDENTIFICATION

QA/QC ACCEPT

SPEC.

NA

0

ASME

NA

REV

X-RAY

NA

DATE

HYDRO TEST

NA

PWHT

NA

COMMENTS

MURPHY WPS#

DESCRIPTION

DRN

CHK

APP

WUSM RESEARCH BUILDING

NRB CUP

PIPE RACKS

SERVICE NAME

CUP LEVEL 02

REF.DWG.

210140-UPL2-2B-02

QTY.

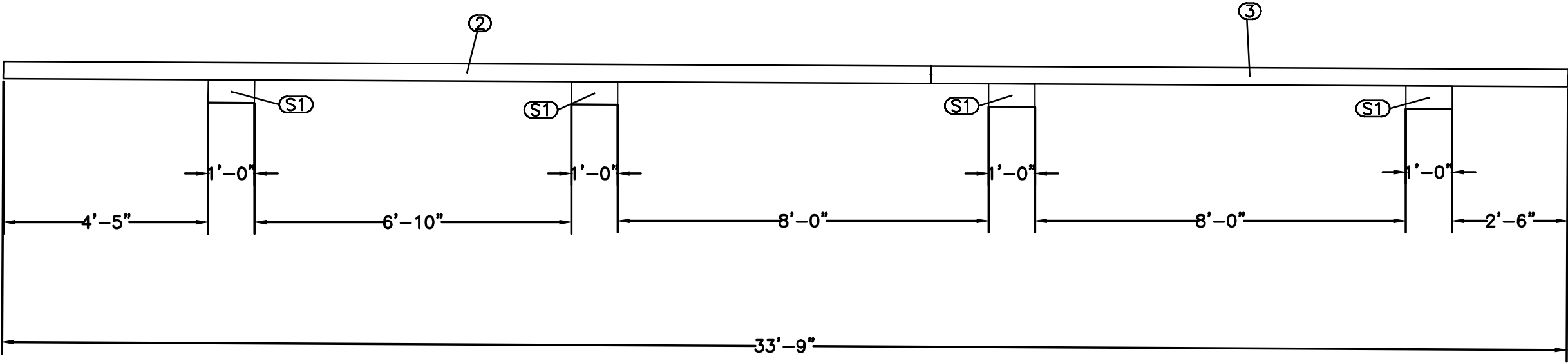
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SHT/NO

1 of 1

REV

0



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	XH SA-53B CS SMLS Pipe	BEV	BEV	20'-0"	240.000	4
3	1	XH SA-53B CS SMLS Pipe	BEV	BEV	13'-8 7/8"	164.860	4

BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
S1	WT6x7		4		12"

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<div>QA/QC ACCEPT</div>		<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		
		SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS			
		NA	NA	NA	NA	NA	MURPHY WPS#			
		0								
REV	DATE	DESCRIPTION		DRN	CHK	APP				

DRN	JMM	5/5/2021	WUSM RESEARCH BUILDING		
CHK			NRB CUP		
APP			PIPE RACKS		
JOB NO.	210140	SERVICE NAME	CUP LEVEL 02		
REF.DWG.		QTY.	SHT/NO	REV	
DRAWING NO./TRACKING NO.		210140-UPL2-2B-03	1	1 of 1	0