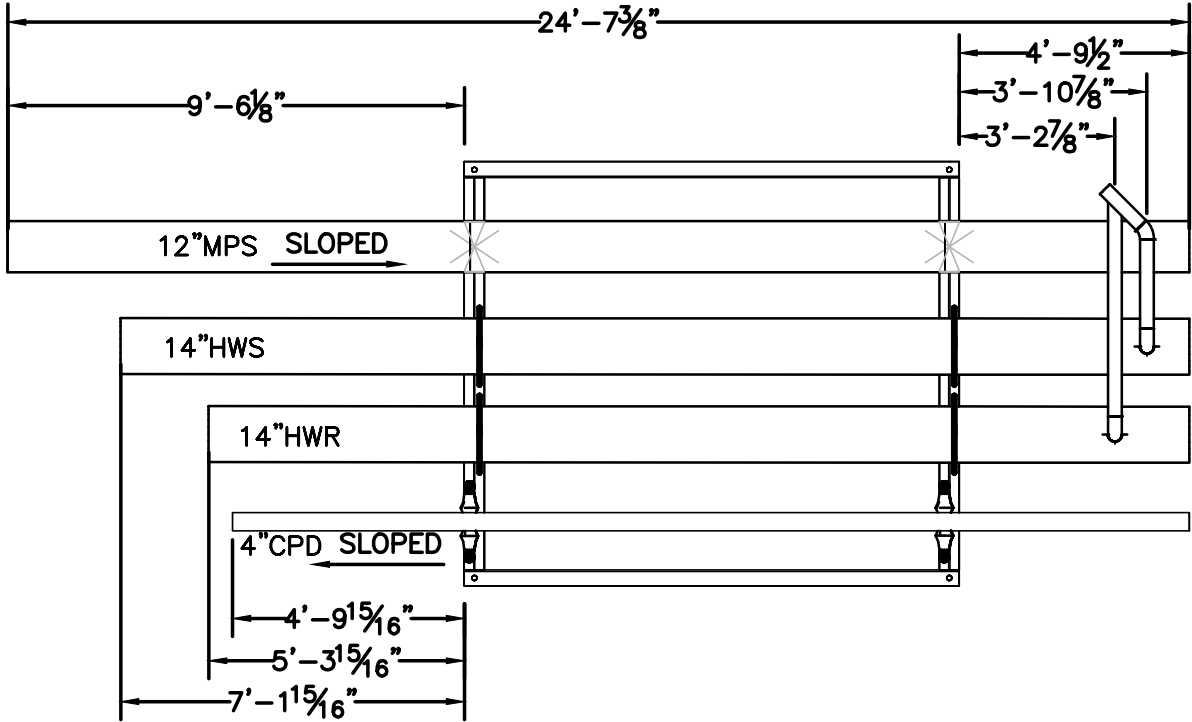


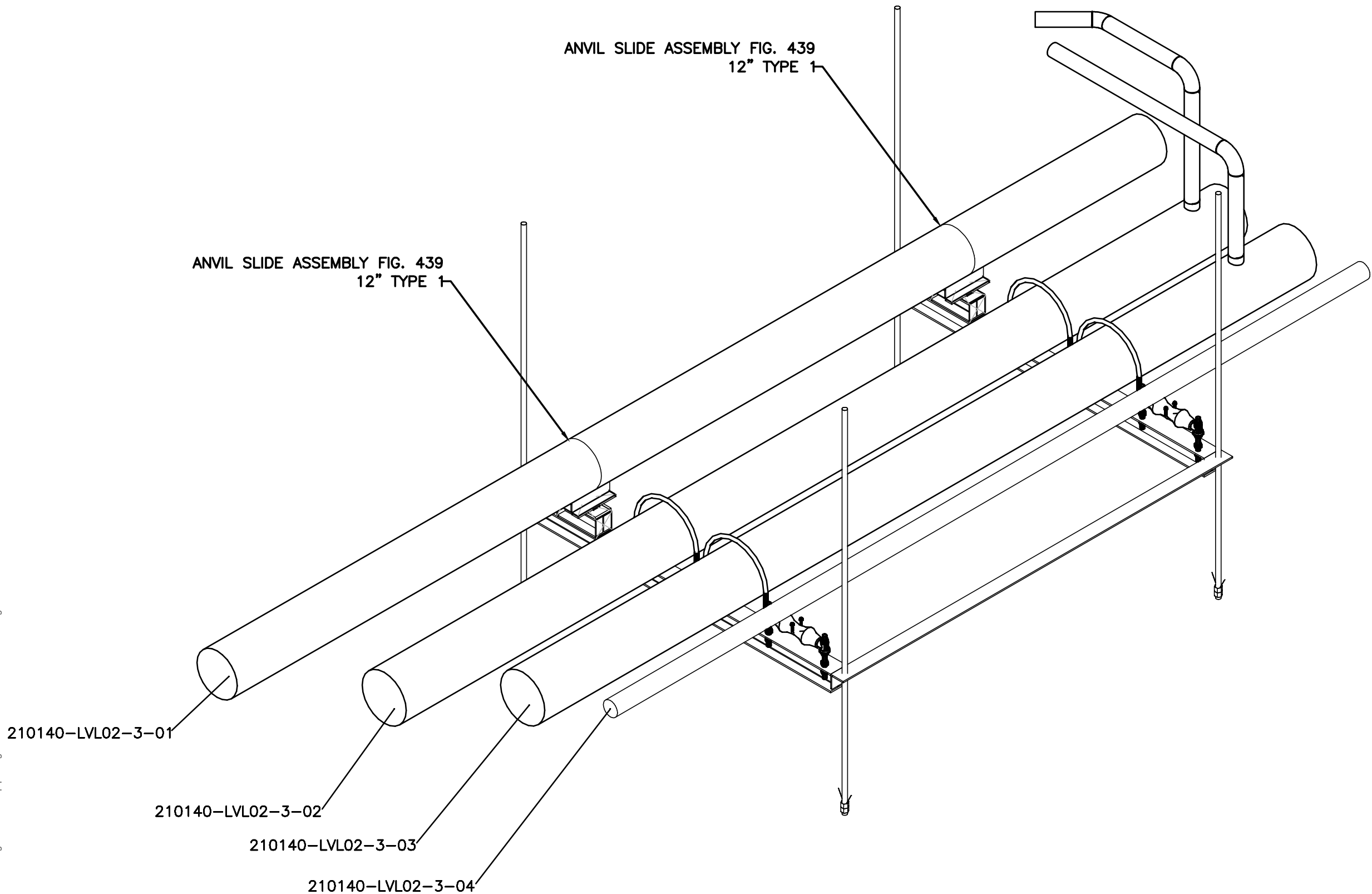
NOTE: HWS/R NOT SHOWN ON SIDE VIEW.



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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-LVL02-3			1		1 of 3		0												
REV		DATE		DESCRIPTION					DRN		CHK		APP						



DRN

JMM

5/26/2021

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

201140-LVL02-3

WUSM RESEARCH BUILDING

NRB

LEVEL 02 NRB RACK

SERVICE NAME

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.

NA

ASME

NA

X-RAY

NA

HYDRO TEST

NA

PWHT

NA

COMMENTS

0

REV

DATE

DESCRIPTION

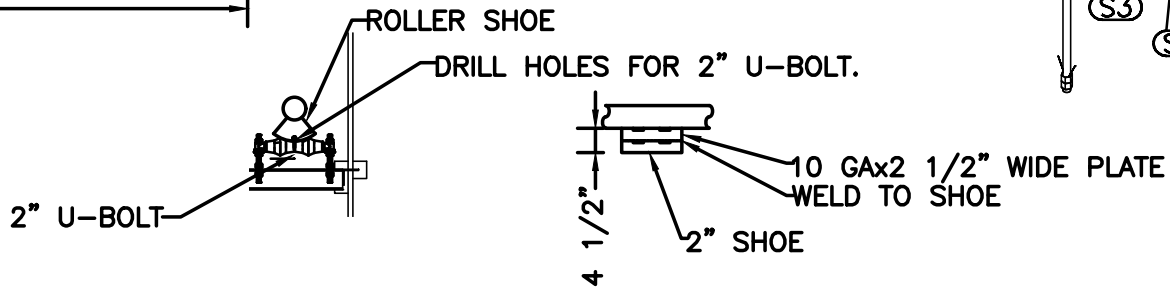
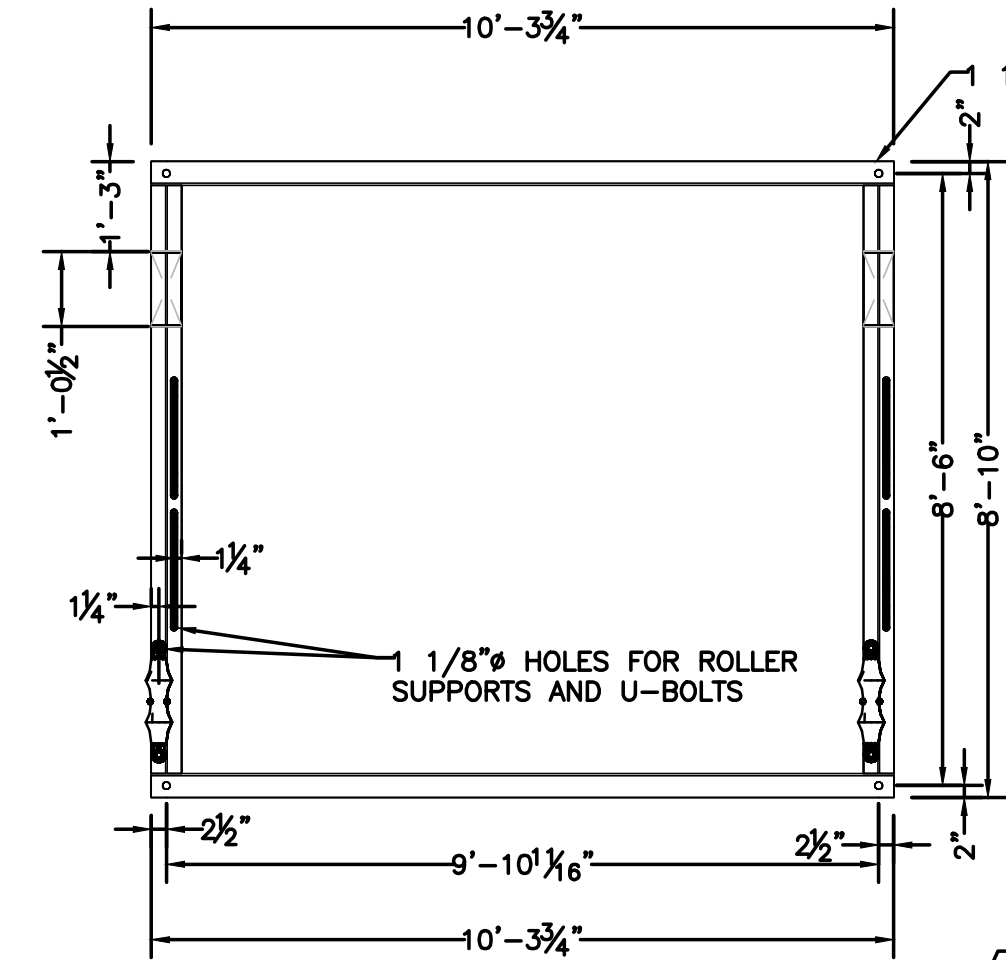
DRN

CHK

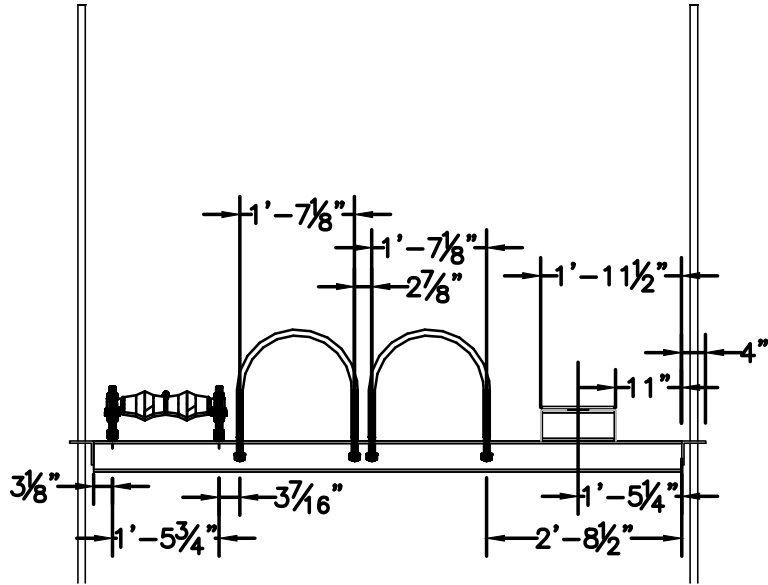
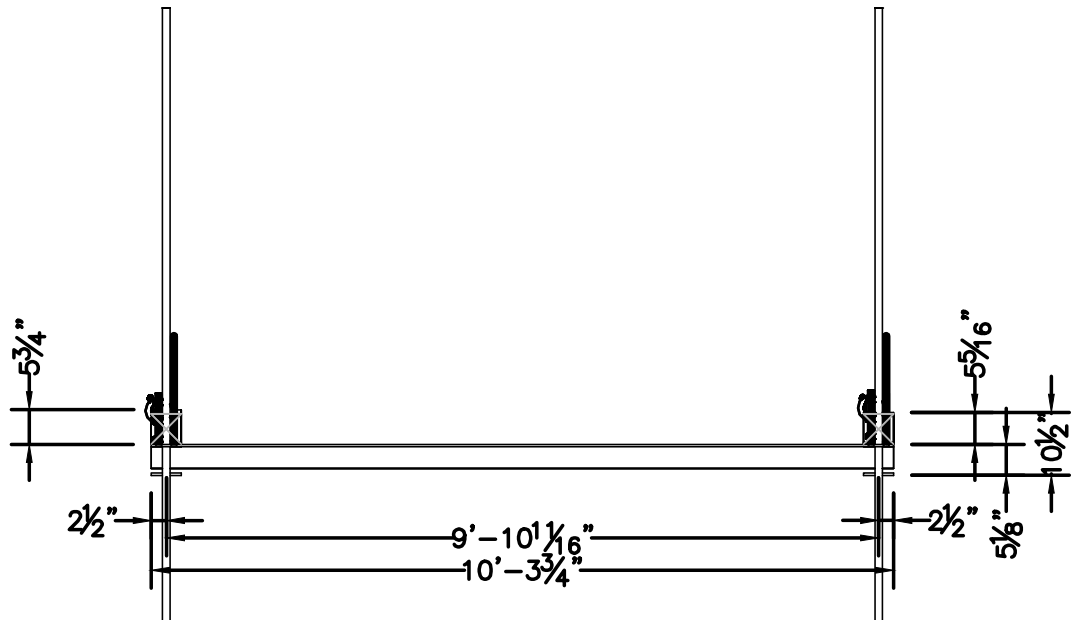
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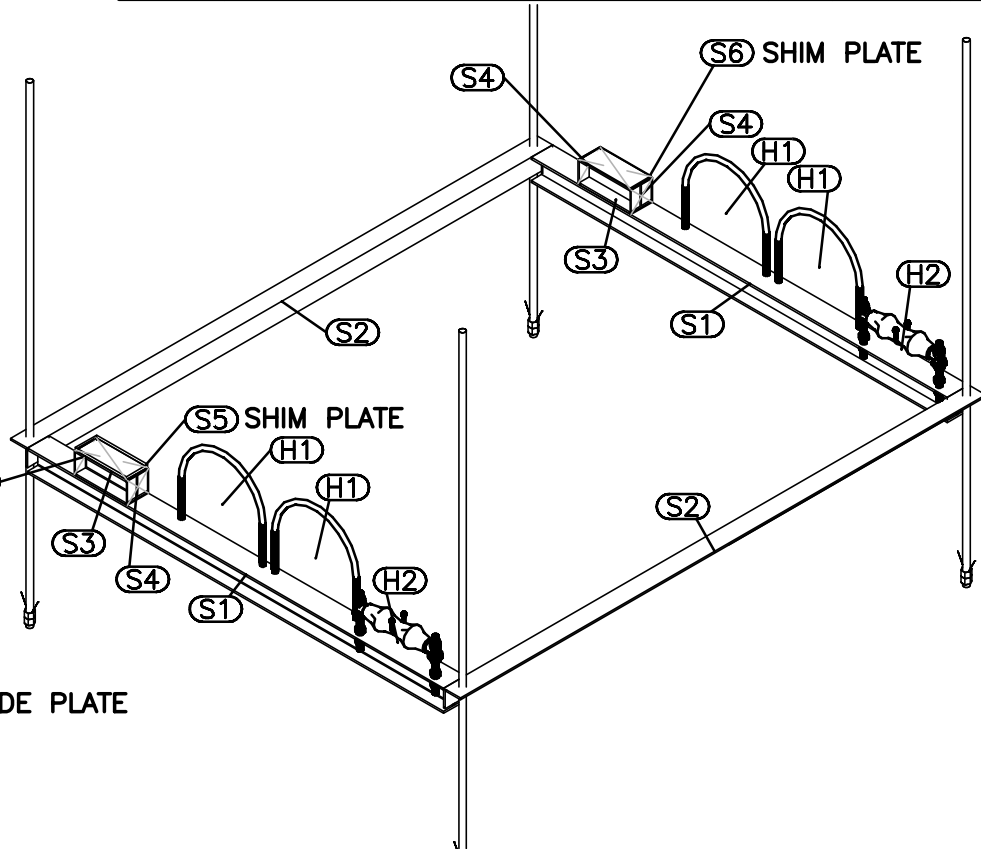
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ROLLER PIPE DETAIL FOR SHIPPING



BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
H1	Fig137	Fig.137 U-Bolt (4)-Nut Black	4	18	
H2	B3122-14 PLN	B3122 Adjustable Roller Support - PLN	2	14	
S1	W5x19	ASTM A36 CS Wide Flange	2	W5x19	98"
S2	L4x4x3/8	ASTM A36 CS Equal Angle	2	L4x4x3/8	123 3/4"
S3	W5x19	ASTM A36 CS Wide Flange	2	W5x19	12"
S4		ASTM A36 CS Plate 1/4" Thick	4	5x5x1/4	
S5		ASTM A36 CS Plate 5/8" Thick	1	5x12x5/8	
S6		ASTM A36 CS Plate 3/16" Thick	1	5x12x3/16	



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

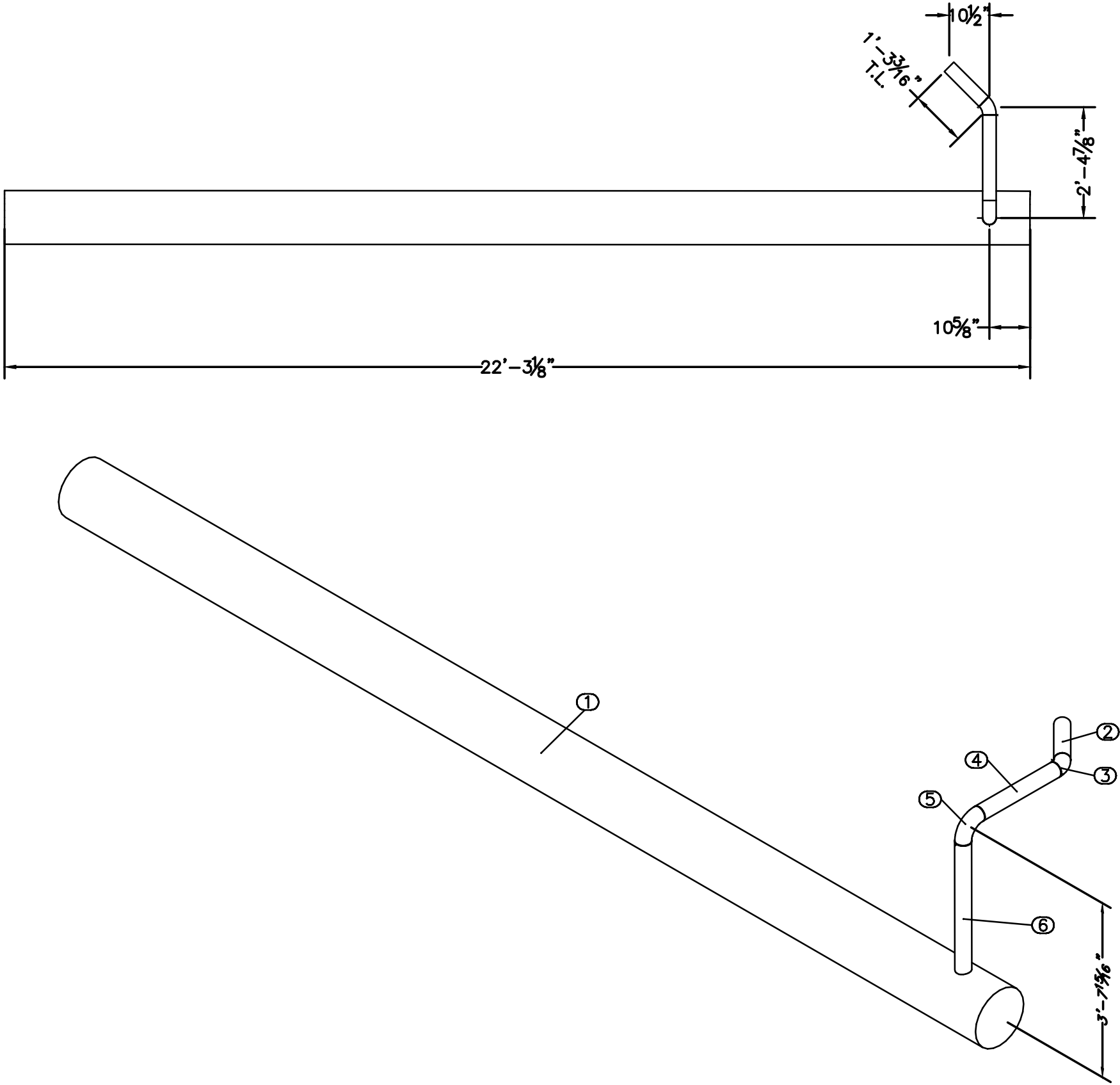


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DRN JMM	6/1/2021	WUSM RESEARCH BUILDING				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>
CHK		NRB								FITTING ORIENTATION				<input type="checkbox"/>
APP		LVLO2 RACKS								BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>
JOB NO.	210140									SPOOL IDENTIFICATION				<input type="checkbox"/>
REF.DWG.		SERVICE NAME				SPEC.		ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS		
						NA		NA	NA	NA	NA	MURPHY WPS#		
						0								
DRAWING NO./TRACKING NO.		QTY.	SHT/NO	REV										
210140-LVLO2-3-01		1	1 OF 1	0										
					REV		DATE	DESCRIPTION				DRN	CHK	APP



Murphy-PFFS-SPOOL-BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
6	1	Sch 40 SA-53B CS ERW Pipe Saddle			2'-8 5/16"	32.281	14x3
5	1	Std Wt SA234 WPB CS BW LR 90 Deg El					3
3	1	Std Wt SA234 WPB CS BW 45 Deg El					3
2	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	1'-0 3/4"	12.721	3
4	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	1'-10 1/8"	22.098	3
1	1	Std Wt SA-53B CS ERW Pipe PE	BEV	BEV	22'-3 1/8"	267.125	14

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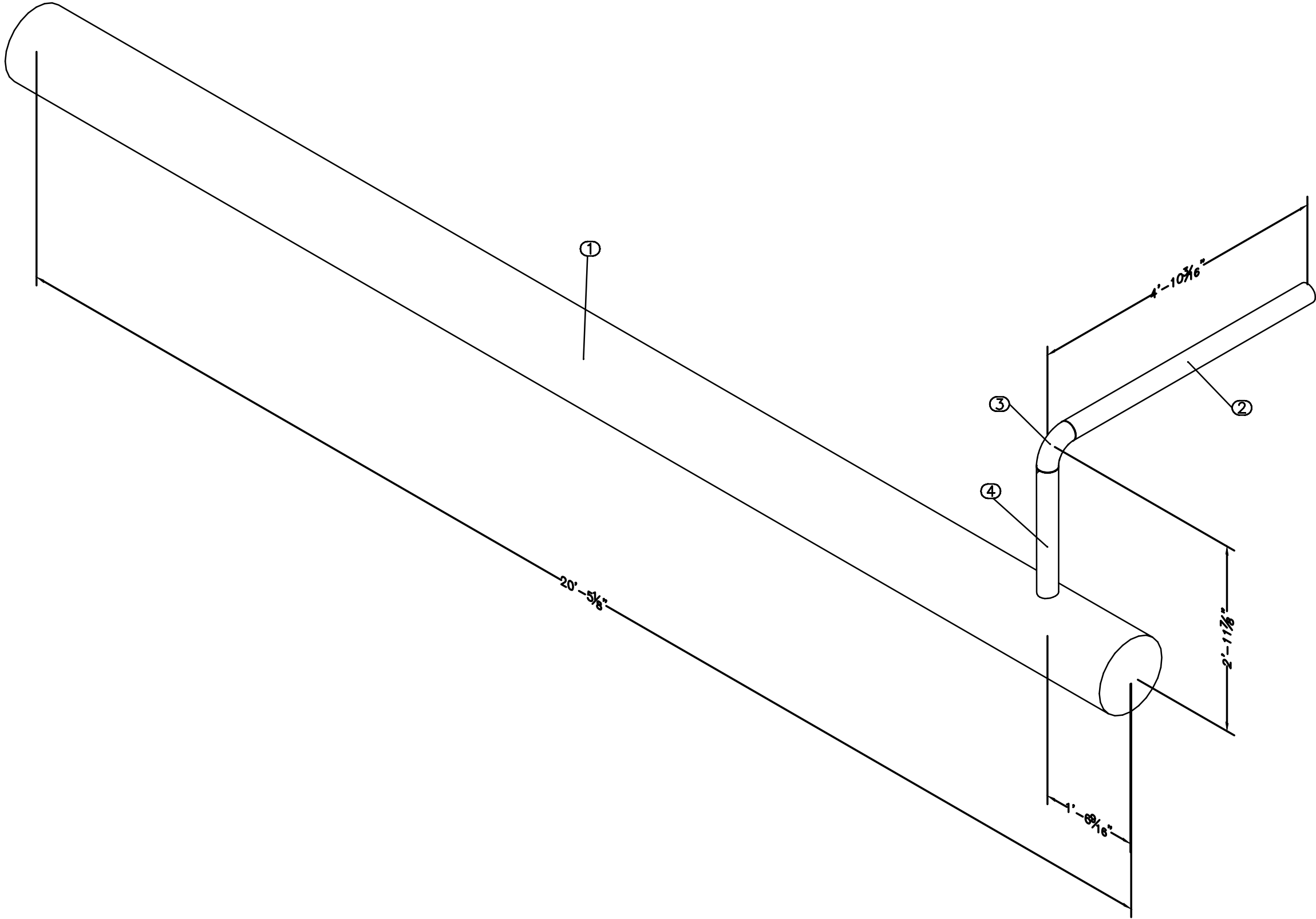
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<input type="checkbox"/>	FLANGE WEIGHT/ORIENTATION
<input type="checkbox"/>	FITTING ORIENTATION
<input type="checkbox"/>	BOLTS/CPLG'S/TH'D TIGHT
<input type="checkbox"/>	SPOOL IDENTIFICATION

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

DRN	JMM	6/1/2021	WUSM RESEARCH BUILDING				
CHK			NRB				
APP			LVL02 RACKS				
JOB NO.	210140	SERVICE NAME					
REF.DWG.							
DRAWING NO./TRACKING NO.	210140-LVL02-3-02	QTY.	1	SHT/NO	1 of 1	REV	0



Murphy-PFFS-SPOOL-BOM						
Mark	Qty	Description	End 1	End 2	Lft	LDec
4	1	Sch 40 SA-53B CS ERW Pipe Saddle			2'-0 1/4"	24.219
3	1	Std Wt SA234 WPB CS BW LR 90 Deg Ell				3
2	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	4'-5 9/16"	53.581
1	1	Std Wt SA-53B CS ERW Pipe PE	BEV	BEV	20'-5 1/8"	245.125
						Size
						14x3
						3
						3
						14

DRN JMM

6/1/2021

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

210140-LVL02-3-03

WUSM RESEARCH BUILDING

NRB

LVL02 RACKS

SERVICE NAME

QTY.

1

SHT/NO

1 of 1

REV

0

QA/QC ACCEPT

FLANGE WEIGHT/ORIENTATION

FITTING ORIENTATION

BOLTS/CPLG'S/TH'D TIGHT

SPOOL IDENTIFICATION

SPEC.

ASME

X-RAY

HYDRO TEST

PWHT

COMMENTS

NA

NA

NA

NA

NA

MURPHY WPS#

0

REV

DATE

DESCRIPTION

DRN

CHK

APP

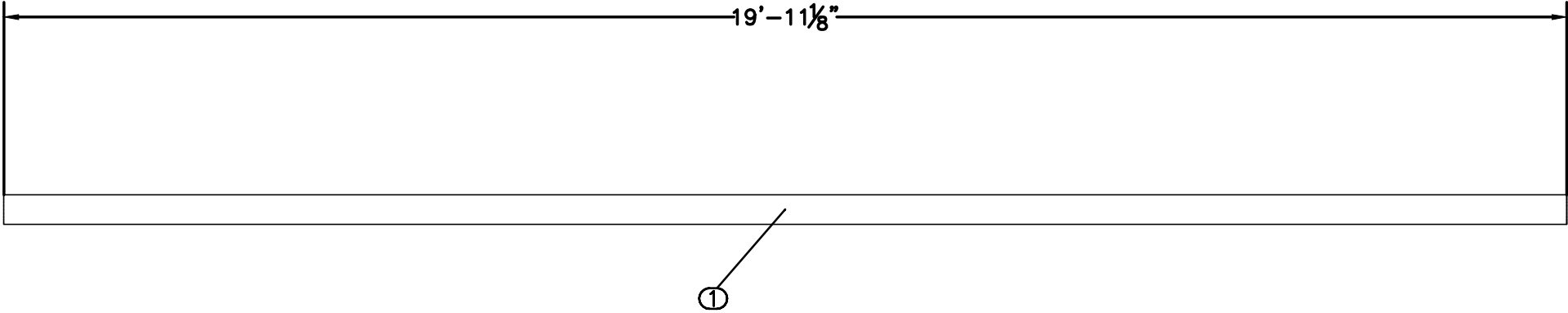
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Murphy—PFFS—SPOOL—BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	XH SA-53B CS SMLS Pipe	BEV	BEV	19'-11 1/8"	239.104	4

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DRN JMM	6/1/2021	WUSM RESEARCH BUILDING				FLANGE WEIGHT/ORIENTATION		<input type="checkbox"/>
CHK		NRB				FITTING ORIENTATION		<input type="checkbox"/>
APP		LVL02 RACKS				BOLTS/CPLG'S/TH'D TIGHT		<input type="checkbox"/>
JOB NO.	210140	SERVICE NAME				SPOOL IDENTIFICATION		<input type="checkbox"/>
REF.DWG.						SPEC.	ASME	
DRAWING NO./TRACKING NO. 210140-LVL02-3-04		QTY.		SHT/NO		NA	NA	NA
						0		
						REV	DATE	
		1		1 of 1		DESCRIPTION		
						DRN	CHK	APP