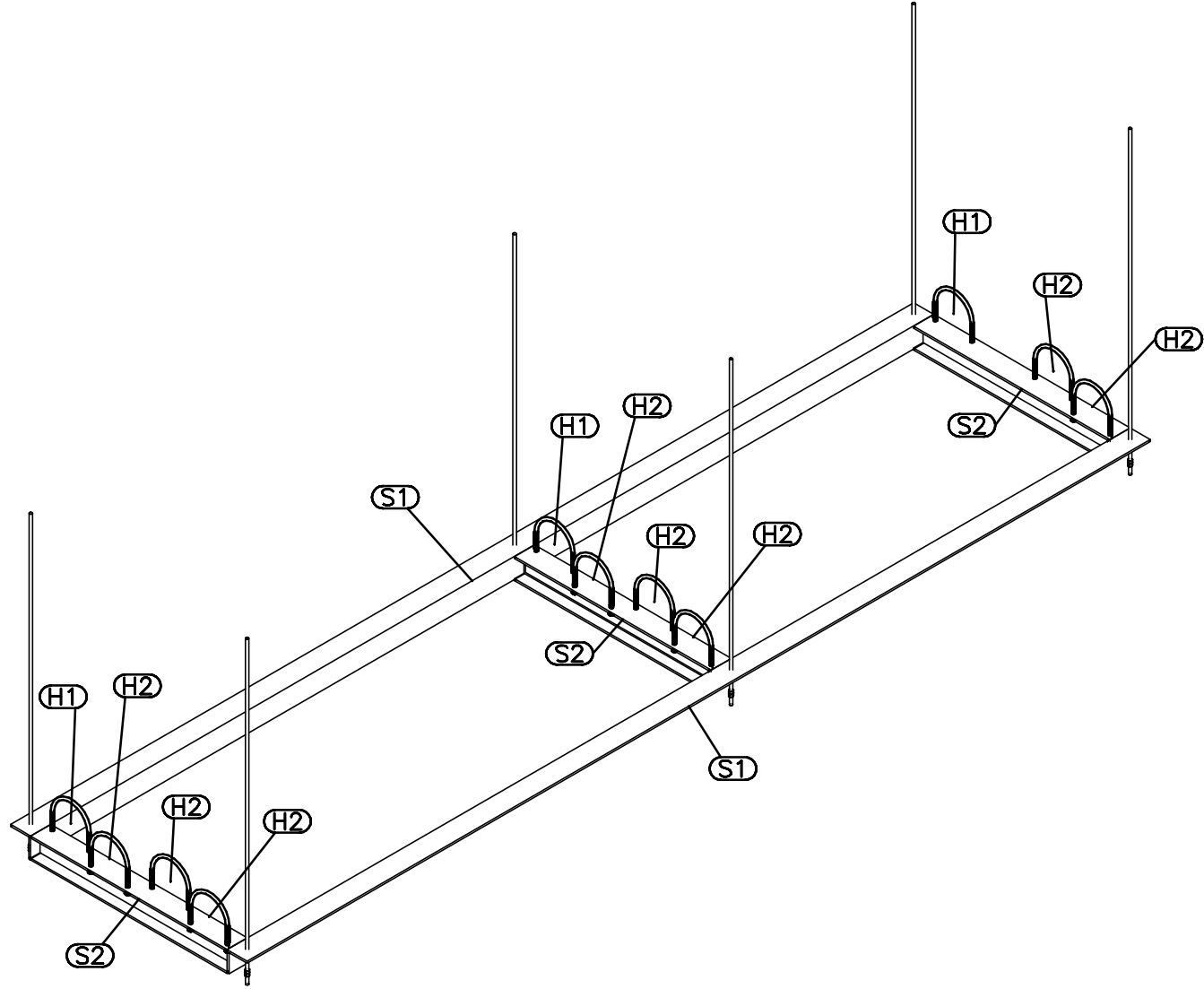
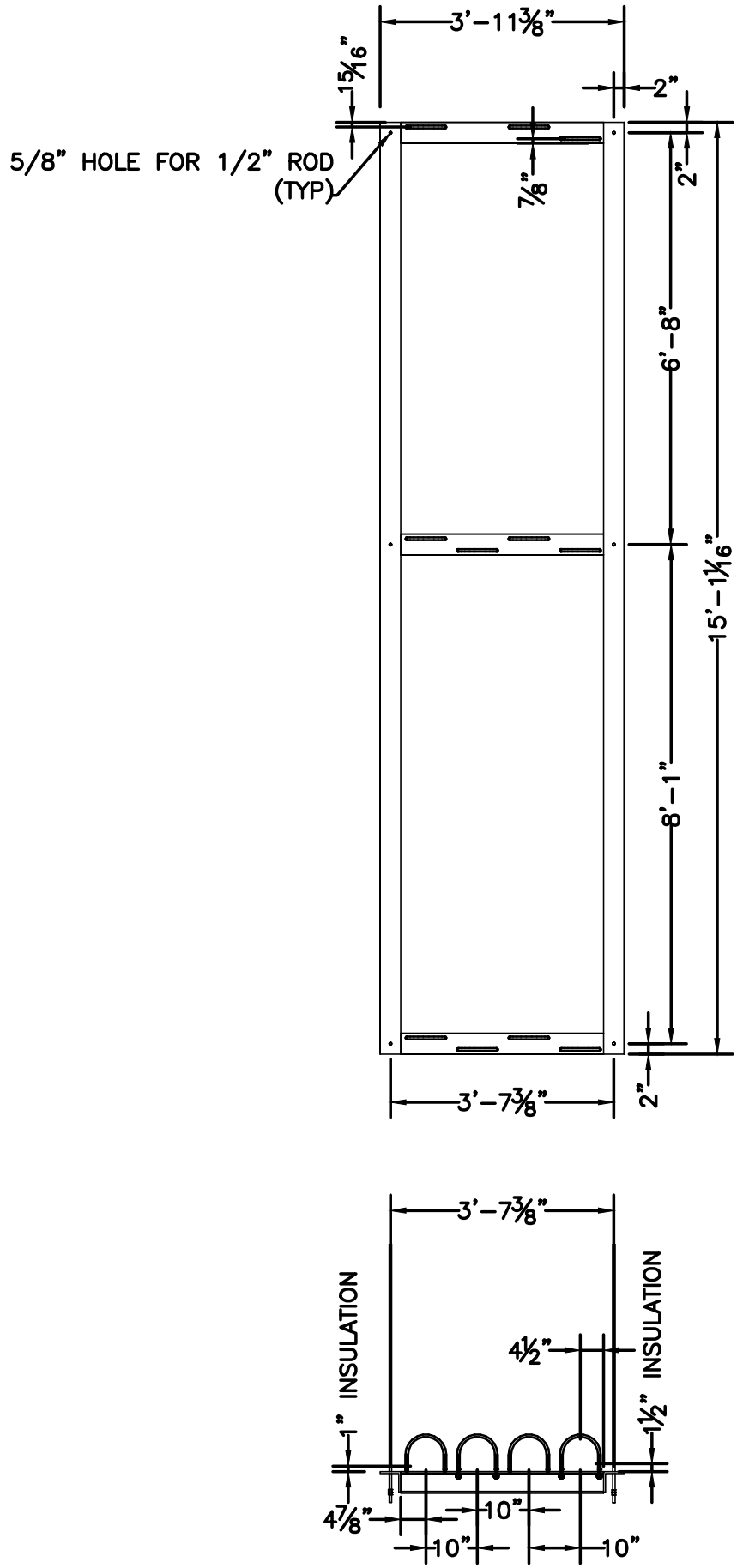


DRN JMM		3/11/2021		WUSM RESEARCH BUILDING				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>			
CHK				NRB CUP								FITTING ORIENTATION				<input type="checkbox"/>			
APP				PIPE RACKS								BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>			
JOB NO.		210140										SPOOL IDENTIFICATION				<input type="checkbox"/>			
REF.DWG.				SERVICE NAME				SPEC.		ASME		X-RAY		HYDRO TEST		PWHT		COMMENTS	
				CUP LEVEL 02				NA		NA		NA		NA		NA		MURPHY WPS#	
DRAWING NO./TRACKING NO.				QTY.		SHT/NO		REV											
210140-A-UPL2-1				1		1 of 2		0											
REV		DATE		DESCRIPTION										DRN		CHK		APP	
0																			

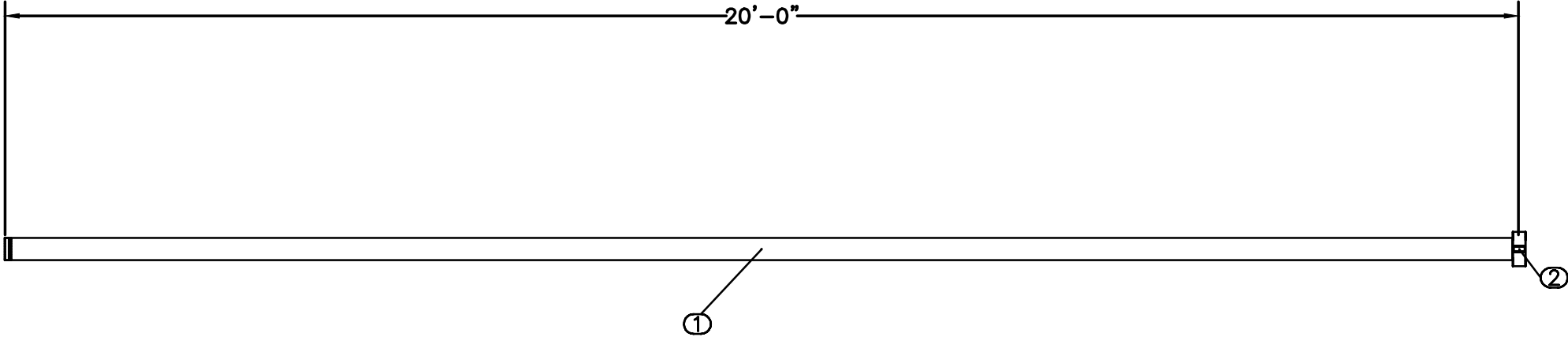


BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
H1	Fig137	Fig.137 U-Bolt (4)-Nut Black	3	6	
H2	Fig137	Fig.137 U-Bolt (4)-Nut Black	8	6	
S1	L4x4x3/8	ASTM A36 CS Equal Angle	2	L4x4x3/8	181"
S2	W4x13	ASTM A36 CS Wide Flange	3	W4x13	39 1/2"

MURPHY
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DRN JMM	3/11/2021	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									SPOOL IDENTIFICATION				<input type="checkbox"/>			
REF.DWG.		SERVICE NAME				CUP LEVEL 02				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-A-UPL2-1		1		2 of 2		0				REV		DATE	DESCRIPTION		DRN	CHK	APP



Murphy—PFFS—SPOOL—BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	Style 107 EHP Pnt QuickVic Rigid Coupling					3
1	1	Sch 40 SA-53B CS ERW Pipe PE	Grooved End	Grooved End	20'-0"	240.000	3

MURPHY
SINCE 1907

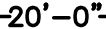
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QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>
				FITTING ORIENTATION				<input type="checkbox"/>
				BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>
				SPOOL IDENTIFICATION				<input type="checkbox"/>
SPEC.	ASME	X-RAY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

DRN JMM	3/26/2021	WUSM RESEARCH BUILDING			
CHK		NRB CUP			
APP		PIPE RACKS			
JOB NO.	210140	SERVICE NAME			
REF.DWG.		UPL2-1 RACK			
DRAWING NO./TRACKING NO.	QTY.	SHT/NO	REV		
210140-A-UPL2-1-01	1	1 of 1	0		

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	Style 107 EHP Pnt QuickVic Rigid Coupling					3
2	1	Sch 40 SA-53B CS ERW Pipe PE	Grooved End	Grooved End	20'-0"	240.000	3

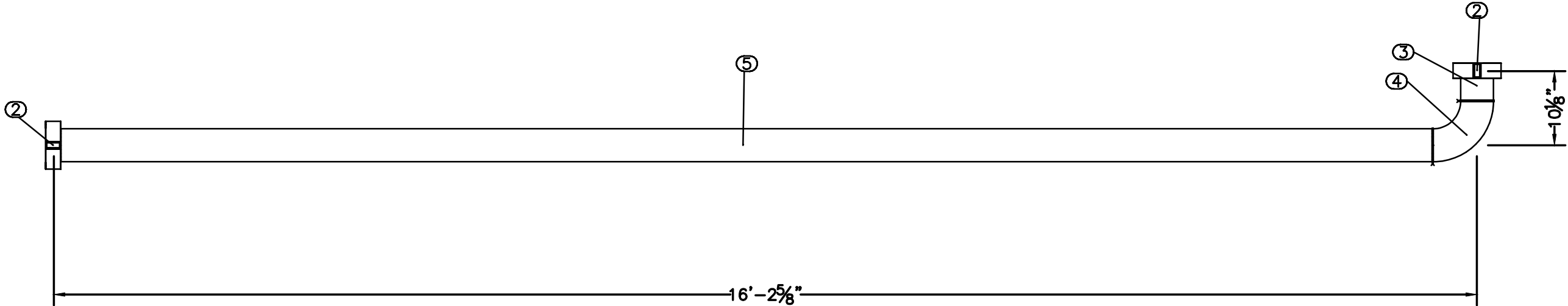


MURPHY

- ☐ FLANGE WEIGHT/ORIENTATION
- ☐ FITTING ORIENTATION
- ☐ BOLTS/CPLGS/TH'D TIGHT
- ☐ SPOOL IDENTIFICATION

WUSM RESEARCH BUILDING
NRB CUP
PIPE RACKS

QTY.	SHT/NO	REV
1	1 OF 1	0



Murphy—PFFS—SPOOL—BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	2	Style 107 EHP Pnt QuickVic Rigid Coupling					4
4	1	Std Wt SA234 WPB CS BW LR 90 Deg El					4
3	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	Grooved End	4°	4.000	4
5	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	Grooved End	15'-8 1/2°	188.481	4

DRN

JMM

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

210140-A-UPL2-1-03

3/26/2021

SERVICE NAME

UPL2-1 RACK

QTY.

1

WUSM RESEARCH BUILDING

NRB CUP

PIPE RACKS

UPL2-1 RACK

SHT/NO

1 of 1

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

MURPHY WPS#

REV

0

DATE

DESCRIPTION

DRN

CHK

APP

MURPHY

SINCE 1957

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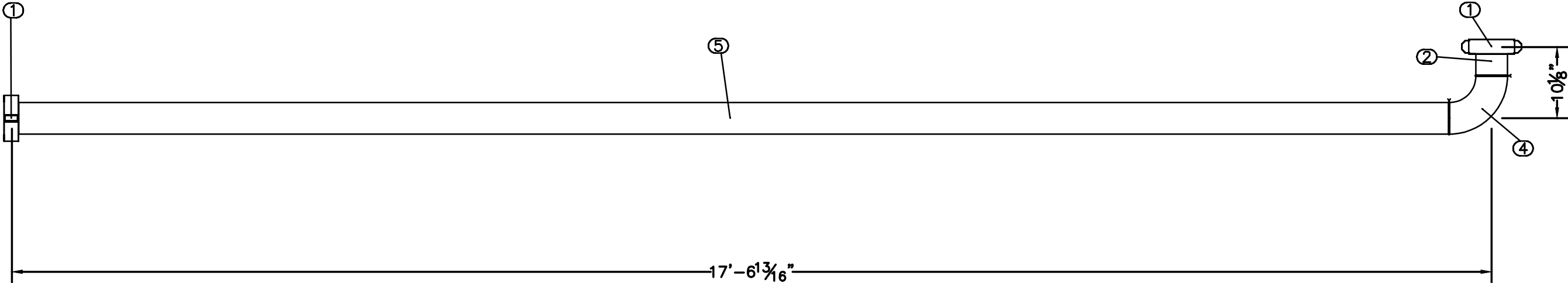
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Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	2	Style 107 EHP Pnt QuickVic Rigid Coupling					4
4	1	Std Wt SA234 WPB CS BW LR 90 Deg El					4
5	1	Sch 40 SA-53B CS ERW Pipe PE	Grooved End	BEV	17'-0 11/16"	204.705	4
2	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	Grooved End	4"	4.000	4

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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

HYDRO TEST

NA

X-RAY

NA

REV

DATE

COMMENTS

MURPHY WPS#

PNHT

NA

DESCRIPTION

DRN

CHK

APP

WUSM RESEARCH BUILDING

NRB CUP

PIPE RACKS

SERVICE NAME

UPL2-1 RACK

REF.DWG.

DRAWING NO./TRACKING NO.

210140-A-UPL2-1-04

QTY.

1

SHT/NO

1 of 1

REV

0