

NOTE: HWS/R NOT SHOWN ON SIDE VIEW.

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#		
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REV	DATE	DESCRIPTION			DRN	CHK	APP

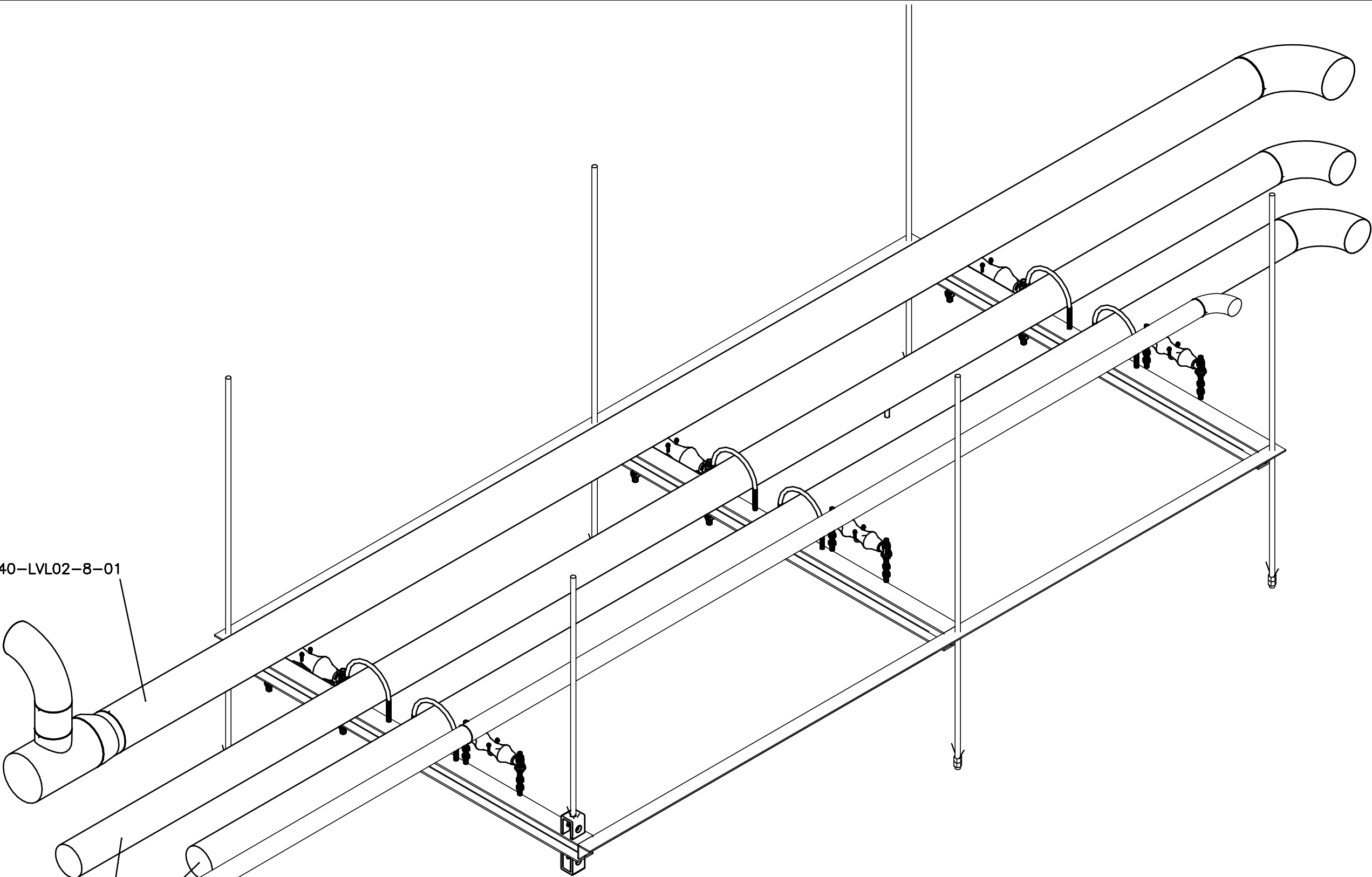
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CHK		NRB		
APP		LEVEL 02 NRB RACK		
JOB NO.	210140	SERVICE NAME		
REF.DWG.				
DRAWING NO./TRACKING NO. 201140-LVL02-8		QTY.	SHT/NO	REV
		1	1 of 3	0

210140-LVL02-8-01

210140-LVL02-8-02

210140-LVL02-8-03

210140-LVL02-8-04



DRN

JMM

6/2/2021

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

201140-LVL02-8

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

MURPHY WPS#

REV

0

DATE

DESCRIPTION

DRN

CHK

APP

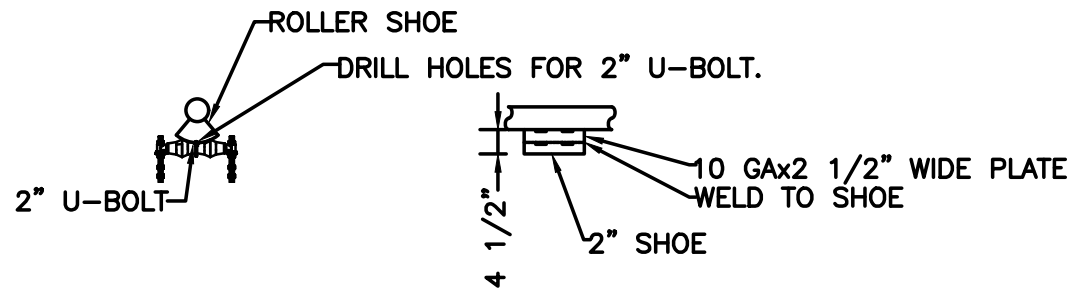
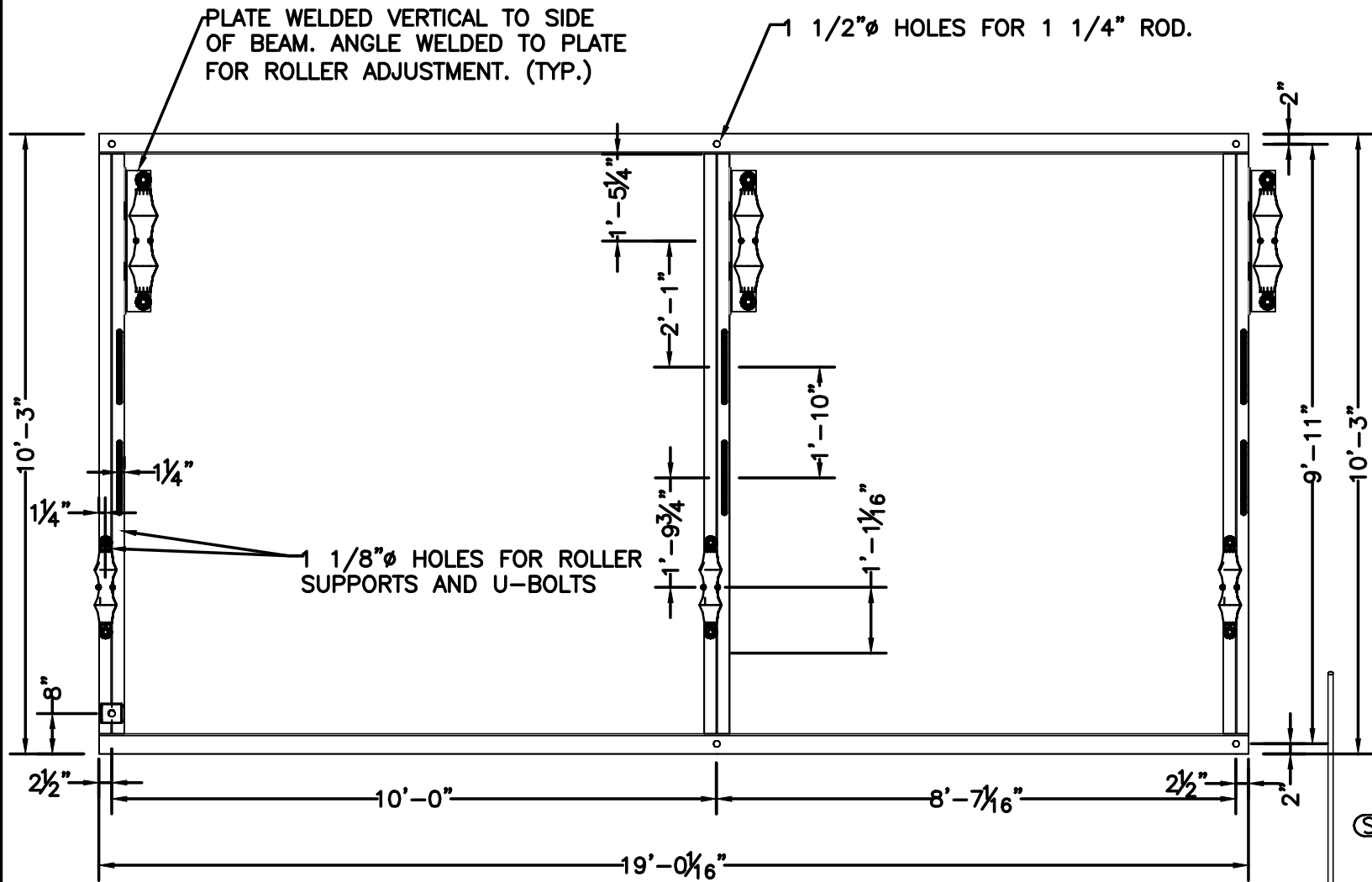
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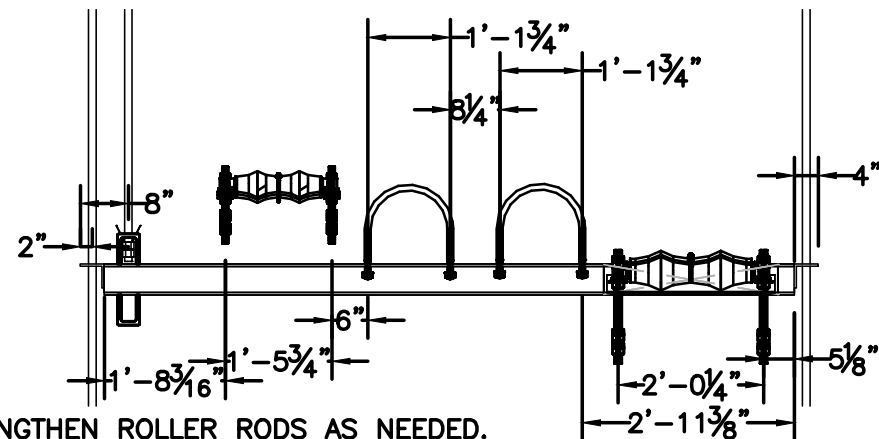
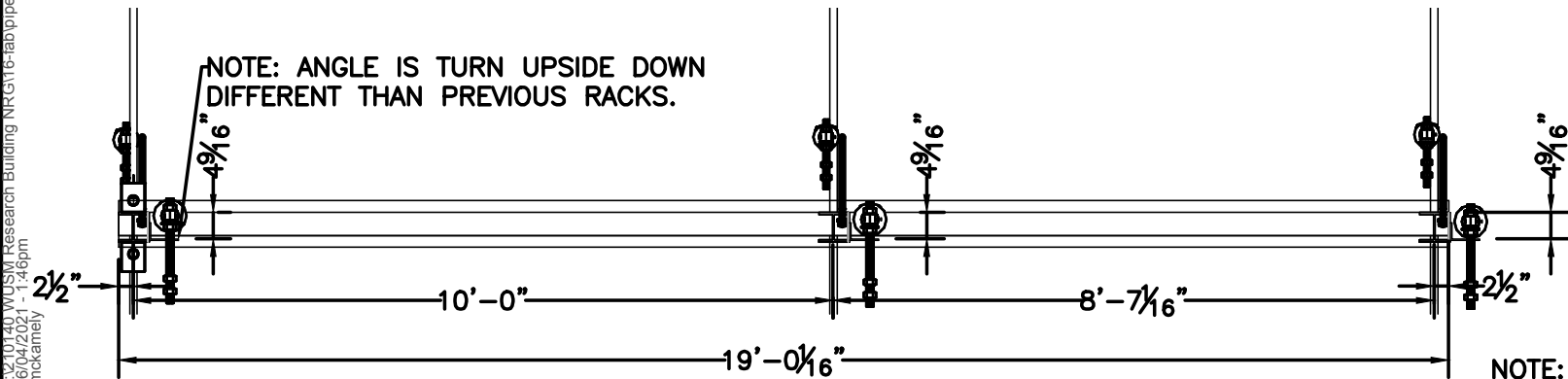
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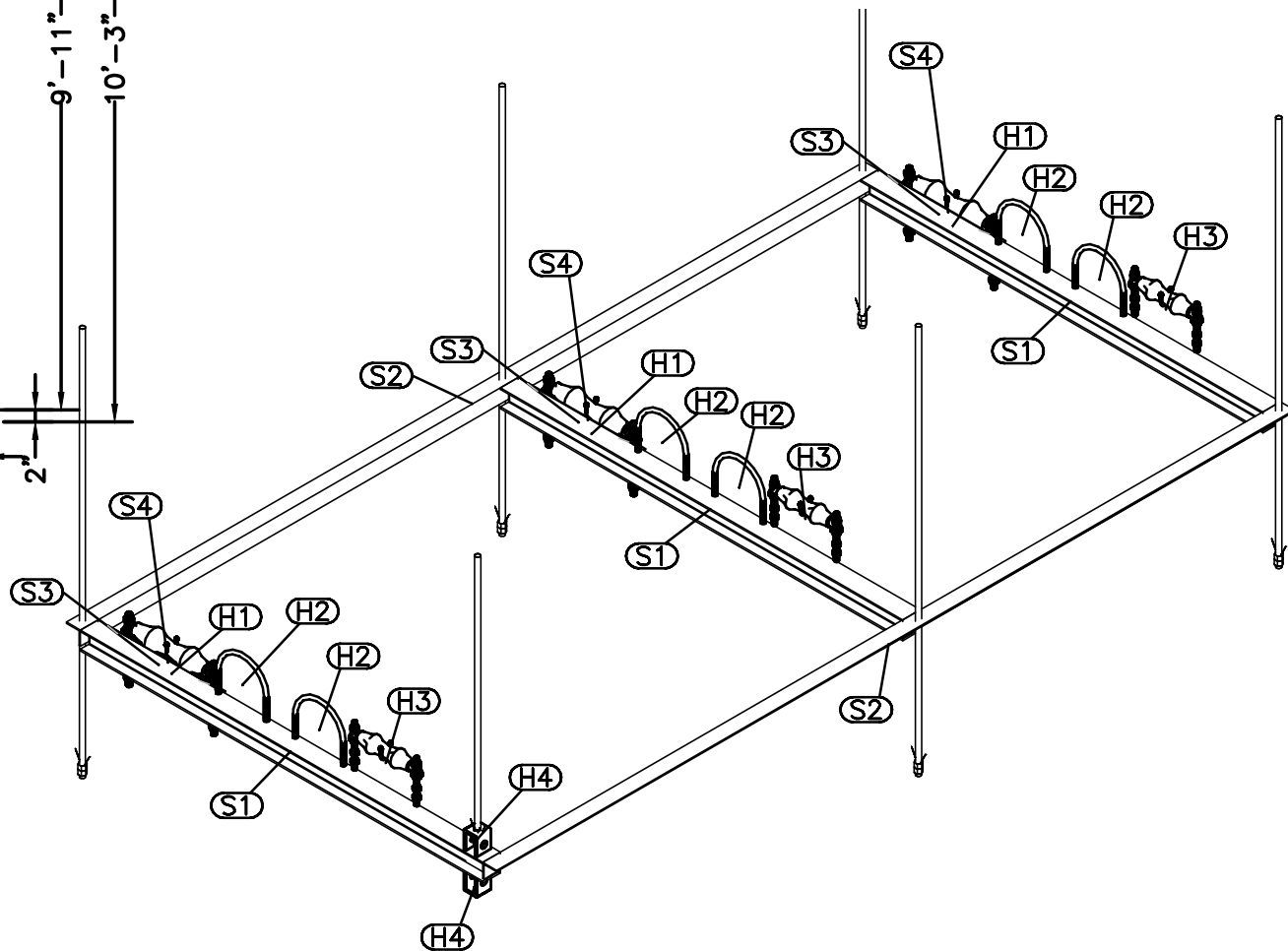
J:\210140 WUSM Research Building NRB\16-tab\pipe.dwg NRB LVL02-8.dwg
06/04/2021 - 1:14pm
jmc/kamey



ROLLER PIPE DETAIL FOR SHIPPING

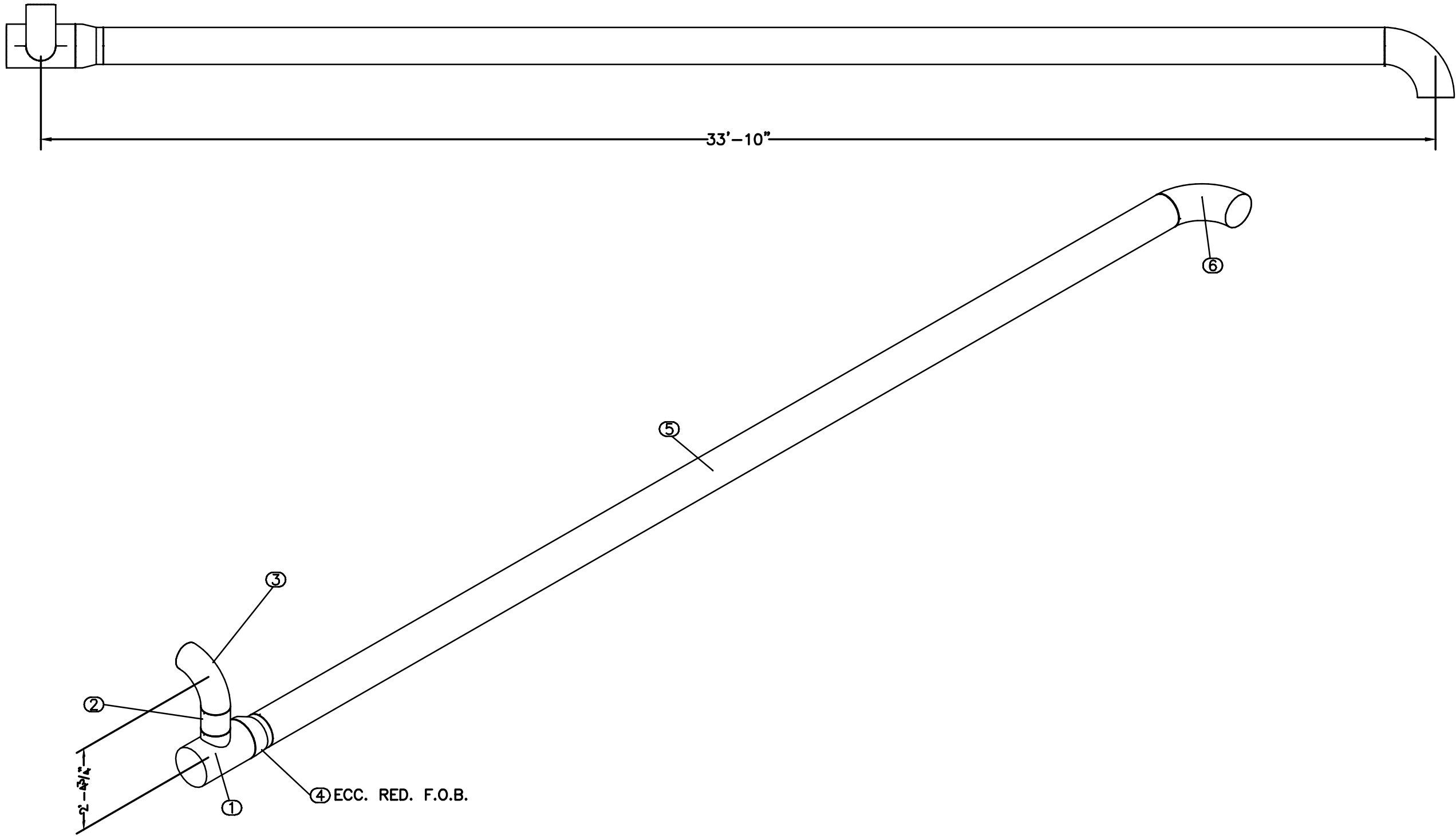


BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
H1	B3122-20 PLN	B3122 Adjustable Roller Support - PLN	3	20	
H2	Fig137	Fig.137 U-Bolt (4)-Nut Block	6	12	
H3	B3122-14 PLN	B3122 Adjustable Roller Support - PLN	3	14	
H4	Fig66 No-Bolt - PLN	Fig.66 Weld Beam Attach without Bolt & Nut - BLK	2	1-1/4	
S1	W5x19	ASTM A36 CS Wide Flange	3	W5x19	115"
S2	L4x4x3/8	ASTM A36 CS Equal Angle	2	L4x4x3/8	228"
S3		ASTM A36 CS Plate 1/4" Thick	3	5x29x1/4	
S4	L5x3x1/4	ASTM A36 CS Unequal Angle	3	L5x3x1/4	28"



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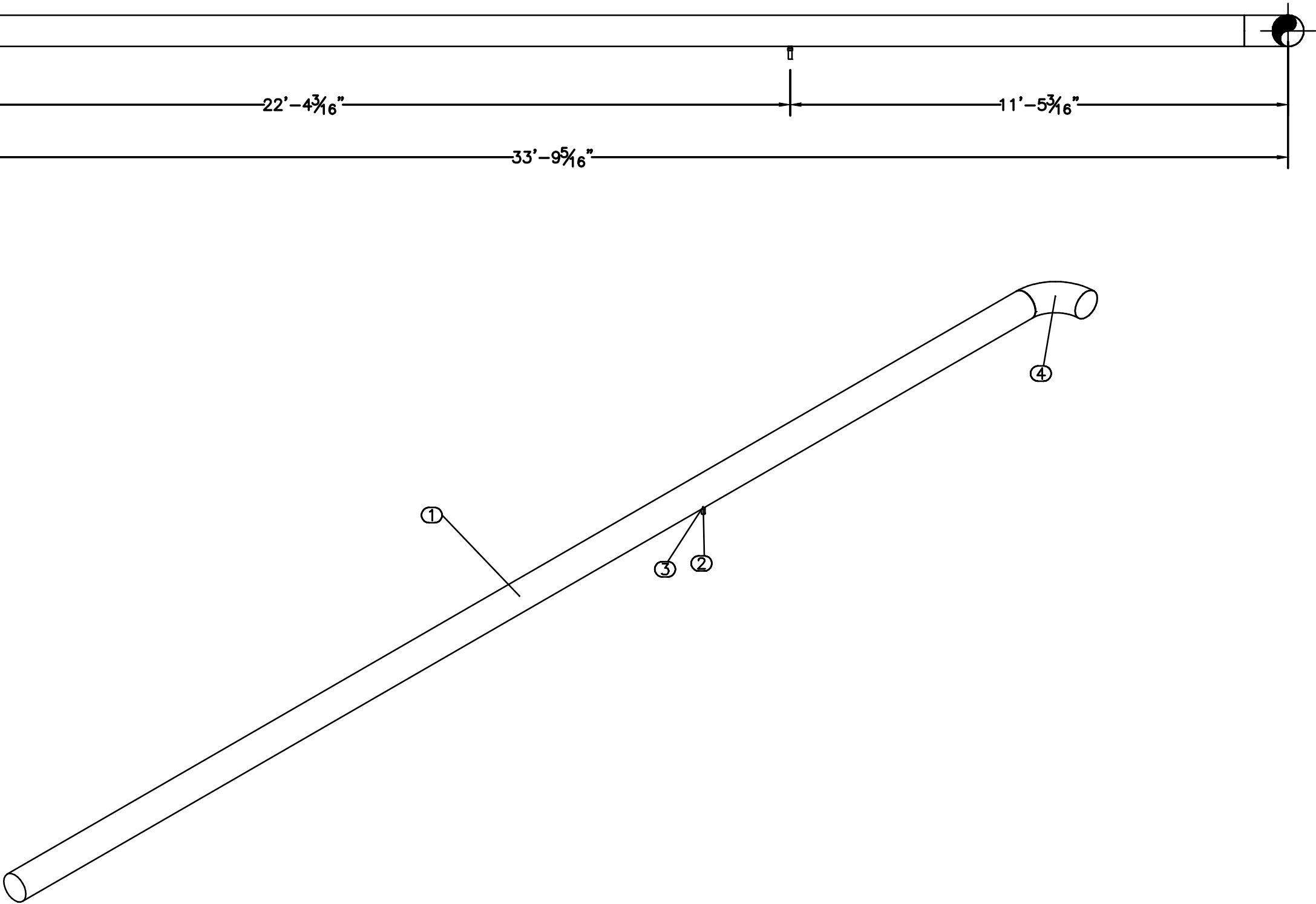
QA/QC ACCEPT				<input type="checkbox"/> FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>
				<input type="checkbox"/> FITTING ORIENTATION				<input type="checkbox"/>
				<input type="checkbox"/> BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>
				<input type="checkbox"/> SPOOL IDENTIFICATION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



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	Std Wt SA234 WPB CS BW RED TEE					12x8
4	1	Std Wt SA234 WPB CS BW ECC RED					12x10
3	1	Std Wt SA234 WPB CS BW LR 90 Deg El					8
6	1	Std Wt SA234 WPB CS BW LR 90 Deg El					10
2	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	7 1/2"	7.500	8
5	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	31'-0 15/16"	372.964	10

DRN JMM		6/4/2021		WUSM RESEARCH BUILDING			
CHK				NRB			
APP				LVL02 RACKS			
JOB NO.		210140					
REF.DWG.				SERVICE NAME			
				LVL02-8			
DRAWING NO./TRACKING NO.		QTY.		SHT/NO		REV	
210140-LVL02-8-01		1		1 of 1		0	

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1233 N. Price Rd. St. Louis, MO 63132-2303 314-997-6600 phone BIMCAD@murphy-stl.com							
QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION <input type="checkbox"/> FITTING ORIENTATION <input type="checkbox"/> BOLTS/CPLGS/TH'D TIGHT <input type="checkbox"/> SPOOL IDENTIFICATION <input type="checkbox"/>			
SPEC.		ASME		X-RAY		HYDRO TEST	
NA		NA		NA		NA	
0							
REV		DATE		DESCRIPTION			
				DRN			
				CHK			
				APP			



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	No.647 TT Dielectric Transition Fitting					3/4
4	1	Std Wt SA234 WPB CS BW LR 90 Deg El					8
3	1	3000# FS Thread-O-Let			1 1/16"	1.063	3/4x8
1	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	32'-9 3/16"	393.210	8

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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

FWHT

NA

COMMENTS

MURPHY WPS#

WUSM RESEARCH BUILDING

NRB

LVL02 RACKS

SERVICE NAME

LVL02-8

DRN

JMM

6/4/2021

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

210140-LVL02-8-02

QTY.

1

SHT/NO

1 of 1

REV

0

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

FWHT

NA

COMMENTS

MURPHY WPS#

WUSM RESEARCH BUILDING

NRB

LVL02 RACKS

SERVICE NAME

LVL02-8

DRN

JMM

6/4/2021

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

210140-LVL02-8-02

QTY.

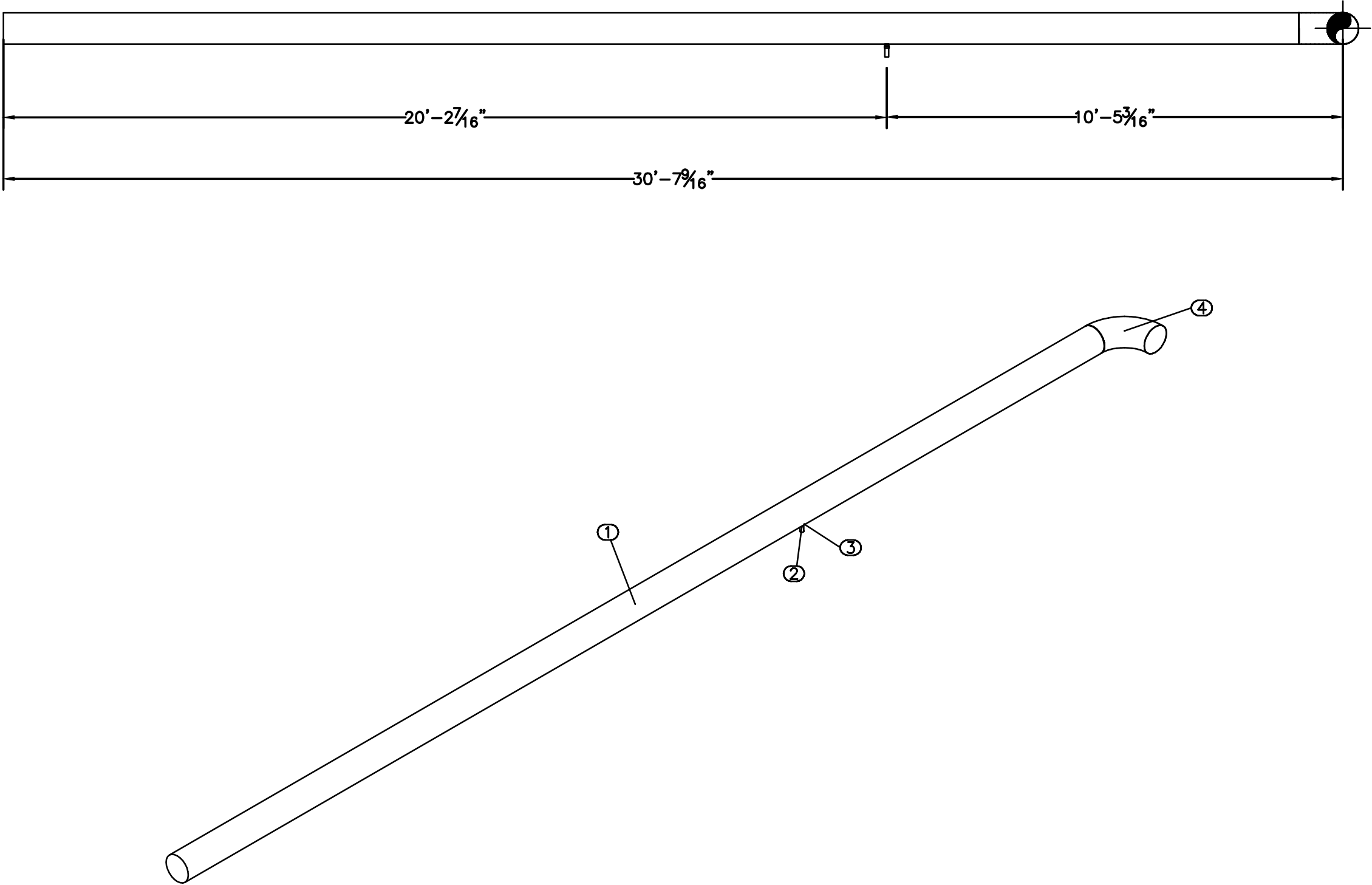
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SHT/NO

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REV

0



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	No.647 TT Dielectric Transition Fitting					3/4
4	1	Std Wt SA234 WPB CS BW LR 90 Deg El					8
3	1	3000# FS Thread-O-Let			1 1/16"	1.063	3/4x8
1	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	29'-7 7/16"	355.460	8

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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

DESCRIPTION

PWHT

NA

COMMENTS

MURPHY WPS#

WUSM RESEARCH BUILDING

NRB

LVL02 RACKS

SERVICE NAME

LVL02-8

QTY.

1

SHT/NO

1 of 1

REV

0

REF.DWG.

210140-LVL02-8-03

DRN

JMM

6/4/2021

CHK

APP

JOB NO.

210140

0

REV

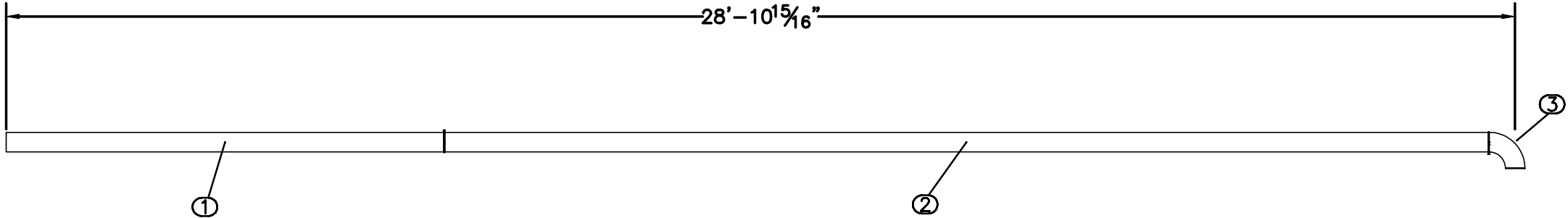
DATE

DESCRIPTION

DRN

CHK

APP



Murphy—PFFS—SPOOL—BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	XH SA234 WPB CS BW LR 90 Deg El					4
1	1	XH SA-53B CS SMLS Pipe	BEV	BEV	8'-4 11/16"	100.667	4
2	1	XH SA-53B CS SMLS Pipe	BEV	BEV	20'-0"	240.000	4

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		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	6/4/2021	WUSM RESEARCH BUILDING			
CHK			NRB			
APP			LVL02 RACKS			
JOB NO.	210140	SERVICE NAME				
REF.DWG.		LVL02-8				
DRAWING NO./TRACKING NO.		QTY.	SHT/NO	REV		
210140-LVL02-8-04		1	1 of 1	0		