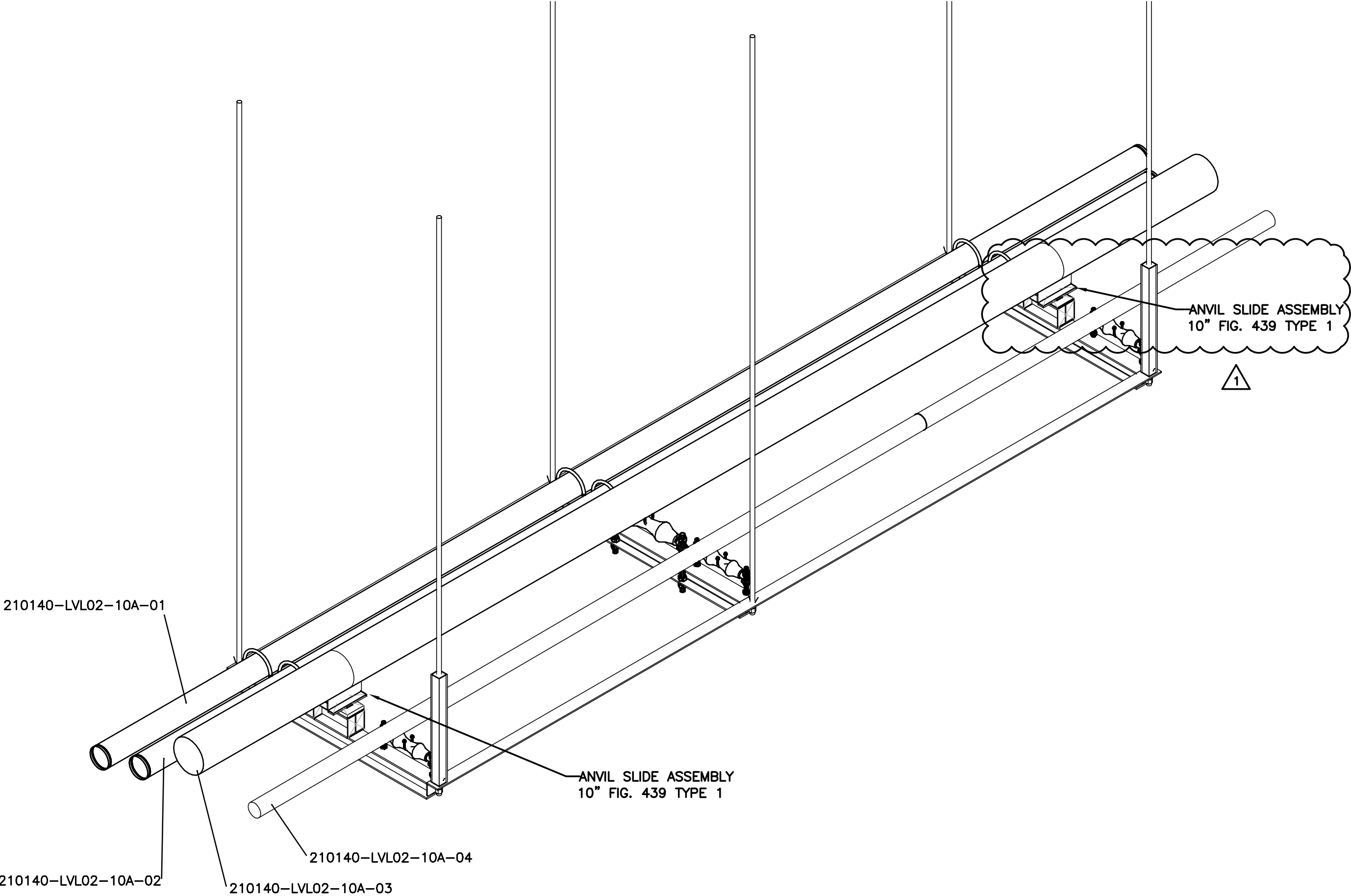


DRN JMM	6/7/2021	WUSM RESEARCH BUILDING			
CHK		NRB			
APP		LEVEL 02 NRB RACK			
JOB NO.	210140	SERVICE NAME			
REF.DWG.					
DRAWING NO./TRACKING NO.		QTY.	SHT/NO	REV	
201140-LVL02-10A		1	1 of 3	1	
QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION			
		FITTING ORIENTATION			
		BOLTS/CPLG'S/TH'D TIGHT			
		SPOOL IDENTIFICATION			
SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS
NA	NA	NA	NA	NA	MURPHY WPS#
1	7/13/21	OMIT	ROLLER HANGER	ADD GUIDE	JMM
REV	DATE	DESCRIPTION		DRN	CHK APP

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J:\210140 WUSM Research Building NRG\16-tab\pipe\dwg\NRB LVL02\210140-LVL02-10A.dwg  
07/13/2021 - 11:40am  
jnickamely



DRN

JMM

6/7/2021

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

201140-LVL02-10A

WUSM RESEARCH BUILDING

NRB

LEVEL 02 NRB RACK

SERVICE NAME

QTY.

1

SHT/NO

2 OF 3

REV

1

ANVIL SLIDE ASSEMBLY

10" FIG. 439 TYPE 1

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

1

7/13/21

OMIT ROLLER HANGER

ADD GUIDE

REV

DATE

DESCRIPTION

JMM

DRN

CHK

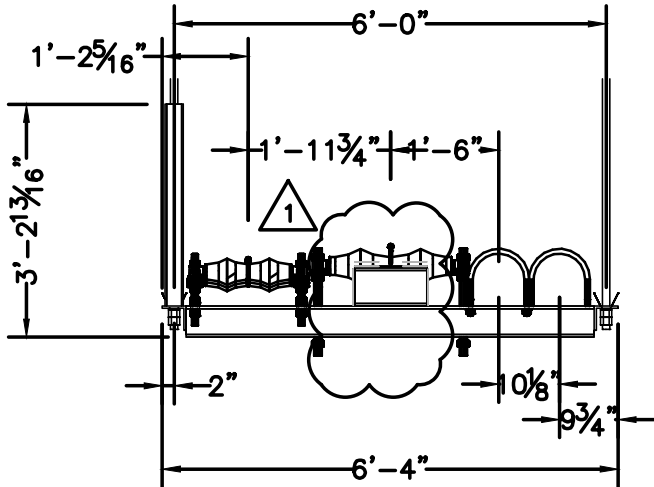
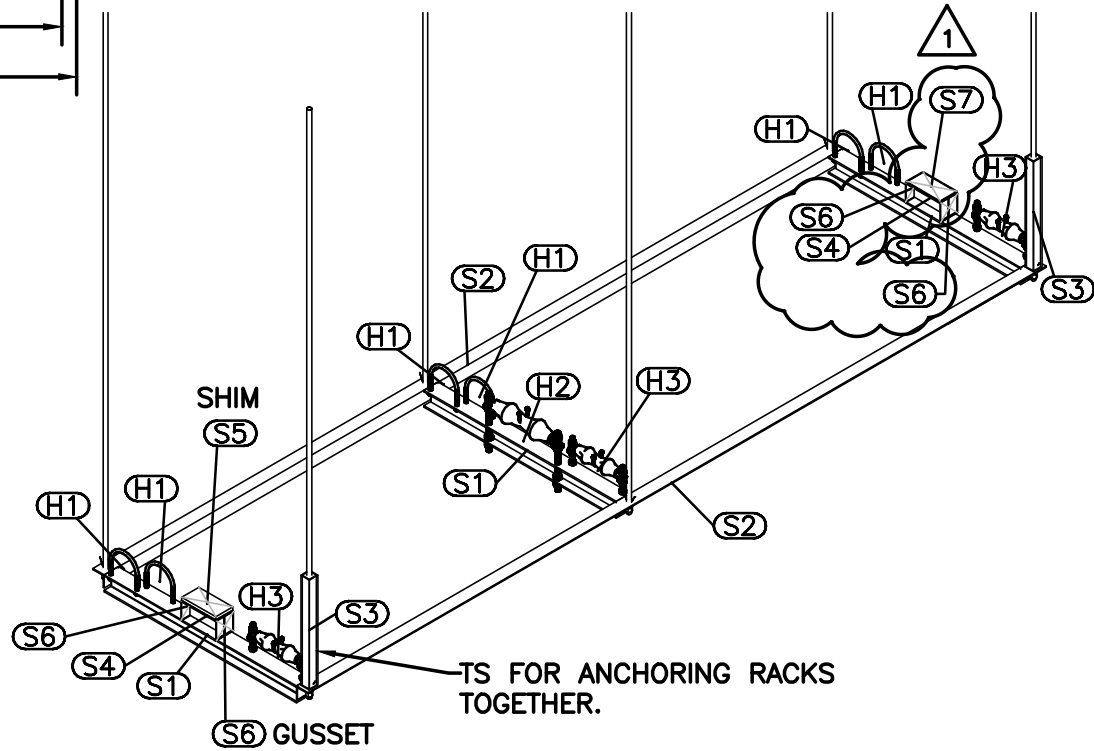
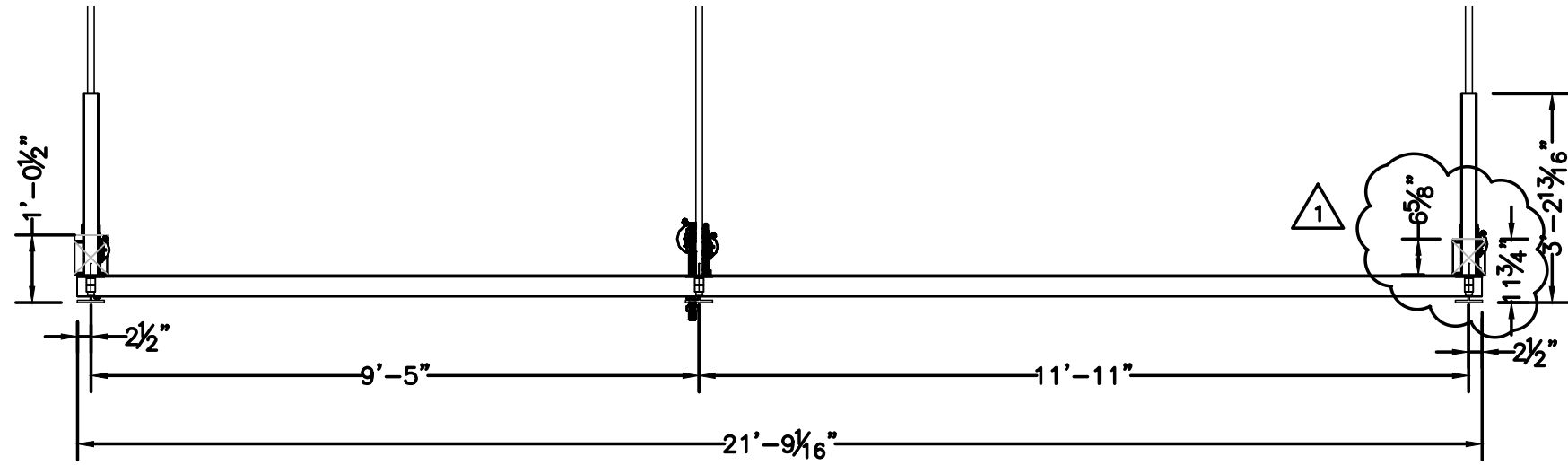
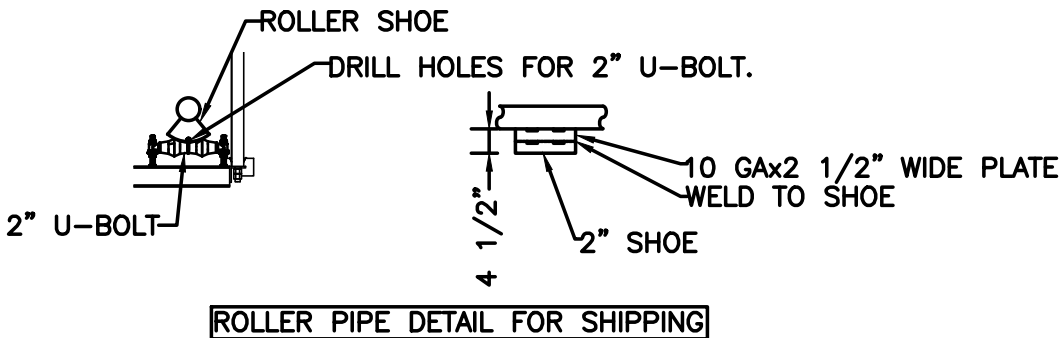
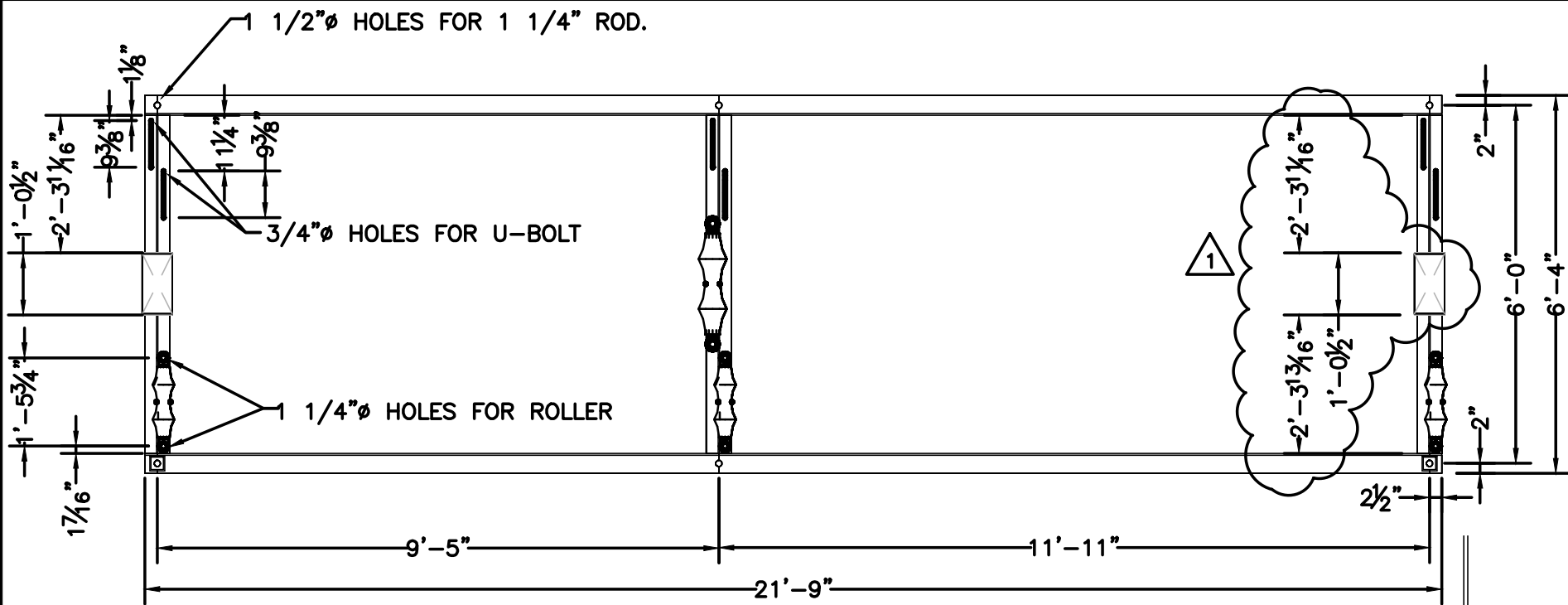
APP

MURPHY WPS#

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BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
H1	Fig137	Fig.137 U-Bolt (4)-Nut Black	6	8	
H2	B3122-20 PLN	B3122 Adjustable Roller Support - PLN	1	20	
H3	B3122-14 PLN	B3122 Adjustable Roller Support - PLN	3	14	
S1	W5x19	ASTM A36 CS Wide Flange	3	W5x19	68"
S2	L4x4x3/8	ASTM A36 CS Equal Angle	2	L4x4x3/8	261"
S3	CS SQ Tube	ASTM A36 CS Square Tube	2	SQ3x3x1/4	33 3/4"
S4	W6x25	ASTM A36 CS Wide Flange	2	W6x25	12"
S5		ASTM A36 CS Plate 1" Thick	1	6x12x1	
S6		ASTM A36 CS Plate 1/4" Thick	4	6x6x1/4	
S7		ASTM A36 CS Plate 1/4" Thick	1	6x12x1/4	

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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	NA	MURPHY WPS#
		1	7/13/21	OMIT	ROLLER HANGER	ADD GUIDE	JMM
		REV	DATE	DESCRIPTION		DRN	CHK APP

**WUSM RESEARCH BUILDING**  
**NRB**  
**LEVEL 02 NRB RACK**

6/7/2021

210140

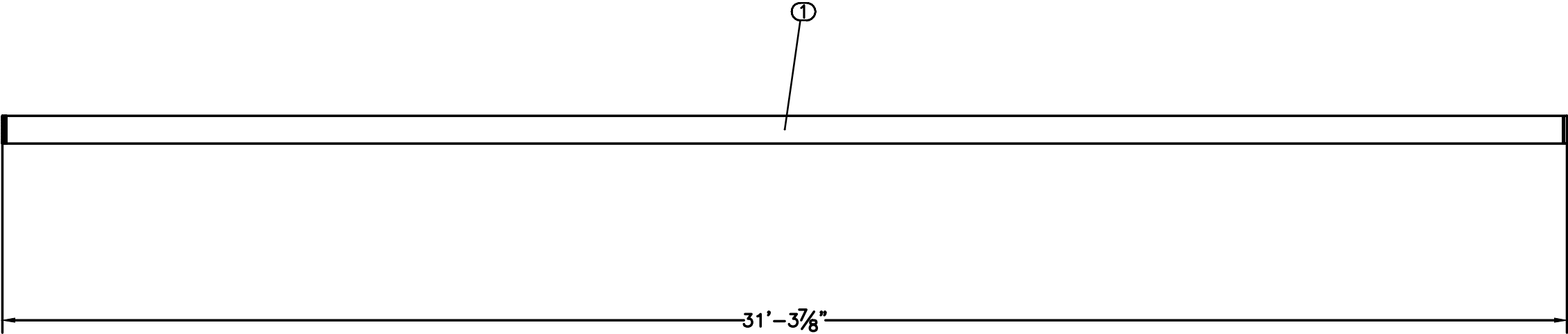
REF.DWG.

DRAWING NO./TRACKING NO.  
**201140-LVL02-10A**

QTY. 1

SHT/NO 3 OF 3

REV 1



Murphy—PFFS—SPOOL—BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	Sch 40 SA-53B CS ERW Pipe PE	Grooved End	Grooved End	31'-3 7/8"	375.850	6

MURPHY

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DRN JMM	6/7/2021	WUSM RESEARCH BUILDING				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.		LVL02-10A RACK				SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS	
DRAWING NO./TRACKING NO. 210140-LVL02-10A-01		QTY.		SHT/NO		NA	NA	NA	NA	NA	MURPHY WPS#	
		1		1 of 1		0						
		REV		DATE		DESCRIPTION				DRN	CHK	APP



# Murphy-PFFS-SP00L-BOM

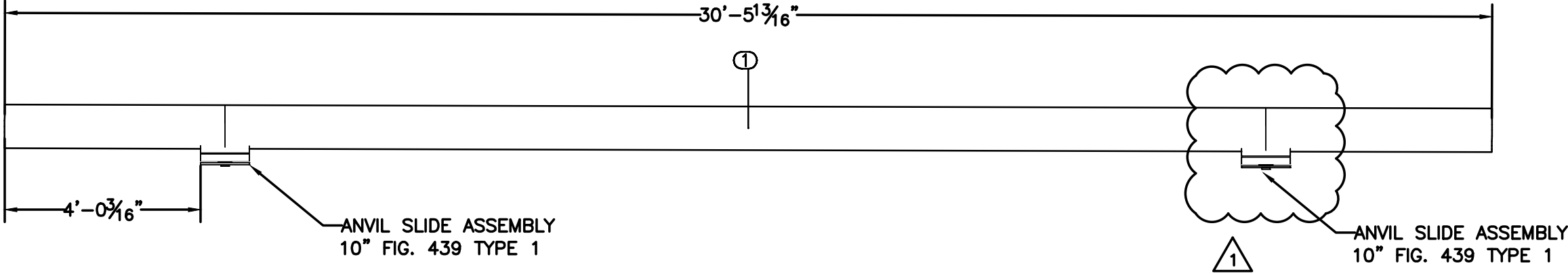
**MURPHY**  
SINCE 1907

- ☐ 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	NA	MURPHY WPS#
0						
REV	DATE	DESCRIPTION			DRN	CHK APP

WUSM RESEARCH BUILDING  
NRB

REF.DWG.	SERVICE NAME		LVL02-10A RACK
DRAWING NO./TRACKING NO. 210140-LVL02-10A-02	QTY. 1	SHT/NO 1 OF 1	REV 0



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	Sch 40 SA-53B CS Smls Pipe PE	BEV	BEV	30'-5 13/16"	365.813	10

DRN

JMM

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

210140-LVL02-10A-03

6/7/2021

QTY.

1

SHT/NO

1 of 1

REV

1

WUSM RESEARCH BUILDING

NRB

LEVEL 02 NRB RACK

SERVICE NAME

LVL02-10A RACK

FLANGE WEIGHT/ORIENTATION

☐

FITTING ORIENTATION

☐

BOLTS/CPLG'S/TH'D TIGHT

☐

SPOOL IDENTIFICATION

☐

QA/QC ACCEPT

SPEC.

NA

ASME

NA

X-RAY

NA

HYDRO TEST

NA

FWHT

NA

COMMENTS

MURPHY WPS#

REVISION

1

DATE

7/13/21

OMIT ROLLER HANGER

ADD GUIDE

DESCRIPTION

DRN

JMM

CHK

APP

**MURPHY**

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# Murphy-PFFS-SP00L-BOM

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

QA/QC ACCEPT				
	SPEC.	ASME	X-RAY	HYD.
	NA	NA	NA	
0				
REV	DATE	DESCR		

**WUSM RESEARCH BUILDING**  
**NRB**  
**LEVEL 02 NRB RACK**

DRN JMM	6/7/2021
CHK	
APP	
JOB NO.	210140
REF.DWG.	
DRAWING NO./TRACKING NO. 210140-LVL02-10A	