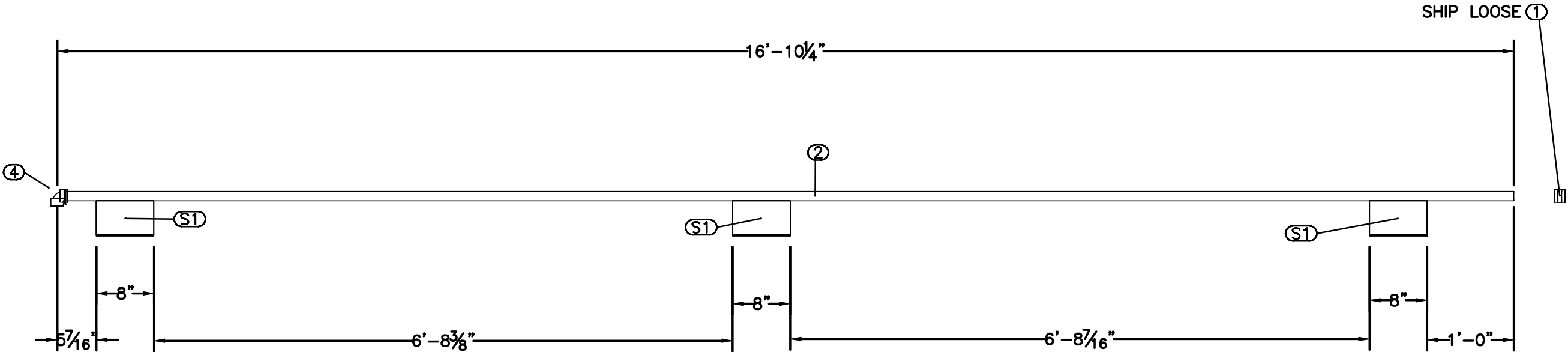


**MURPHY**  
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St. Louis, MO 63132-2303  
314-997-6600 phone  
BIMCAD@murphy-stl.com

DRN JMM CHK APP	3/22/2021	WUSM RESEARCH BUILDING NRB				QA/QC ACCEPT				<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			
		SERVICE NAME				SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS		
		REF.DWG.				NA	NA	NA	NA	NA	MURPHY WPS#		
		DRAWING NO./TRACKING NO. 210140-A-UPL1-15				0	REV	DATE	DESCRIPTION		DRN	CHK	APP



Murphy-PFFS-SPOOL-BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
4	1	3M A105 FS SW 90 Deg Ell					1
2	1	Sch 80 A106B CS SMLS Pipe	SW	SW	16'-9 1/8"	201.131	1

BOM-STEEL

Item No	Order	Description	Qty	Size	Steel L
S1	WT5x6		3		8"

Murphy-PFFS-Ship Loose BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	3M FS SW Cplg					1

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☐ 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

PWHT

NA

COMMENTS

MURPHY WPS#

0

REV

DATE

DESCRIPTION

DRN

CHK

APP

DRN JMM

3/22/2021

CHK

APP

JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

210140-A-UPL1-15-01

QTY.

1

SHT/NO

1 of 1

REV

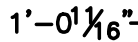
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WUSM RESEARCH BUILDING

NRB

SERVICE NAME

UPL1-15 RACK



# Murphy-PFFS-SPOOL-BOM

# MURPHY

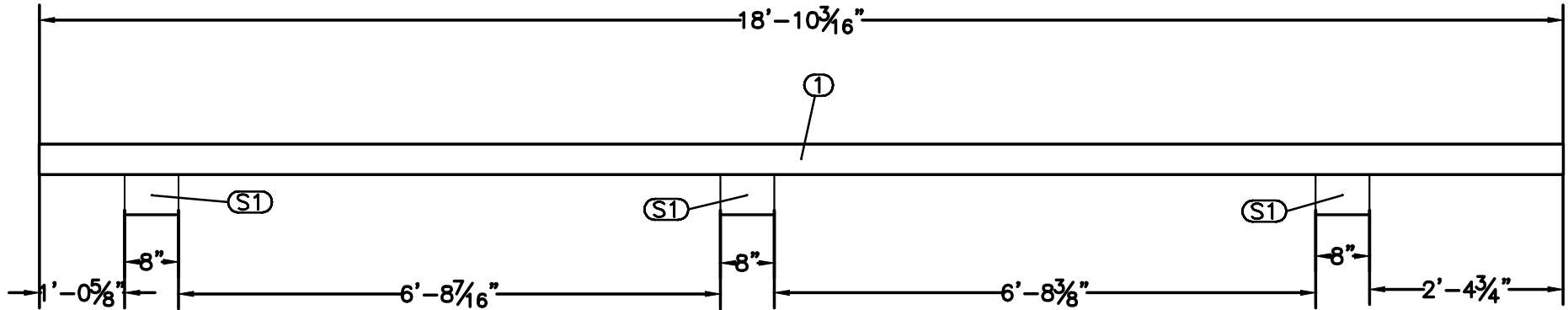
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FITTING ORIENTATION	<input type="checkbox"/>
BOLTS/CPLG'S/TH'D TIGHT	<input type="checkbox"/>
SPOOL IDENTIFICATION	<input type="checkbox"/>

PRO	TEST	FWHT	COMMENTS
NA	NA	NA	MURPHY WPS#

SECTION	DRN	CHK	APP

WUSM RESEARCH BUILDING			
NRB			
SERVICE NAME			
UPL1-15 RACK			
QTY.	SHT/NO	REV	
1	1 of 1	0	


DRN JMM	3/22/2021
CHK	
APP	
JOB NO.	210140
REF.DWG.	
DRAWING NO./TRACKING NO. 210140-A-UPL1-15	

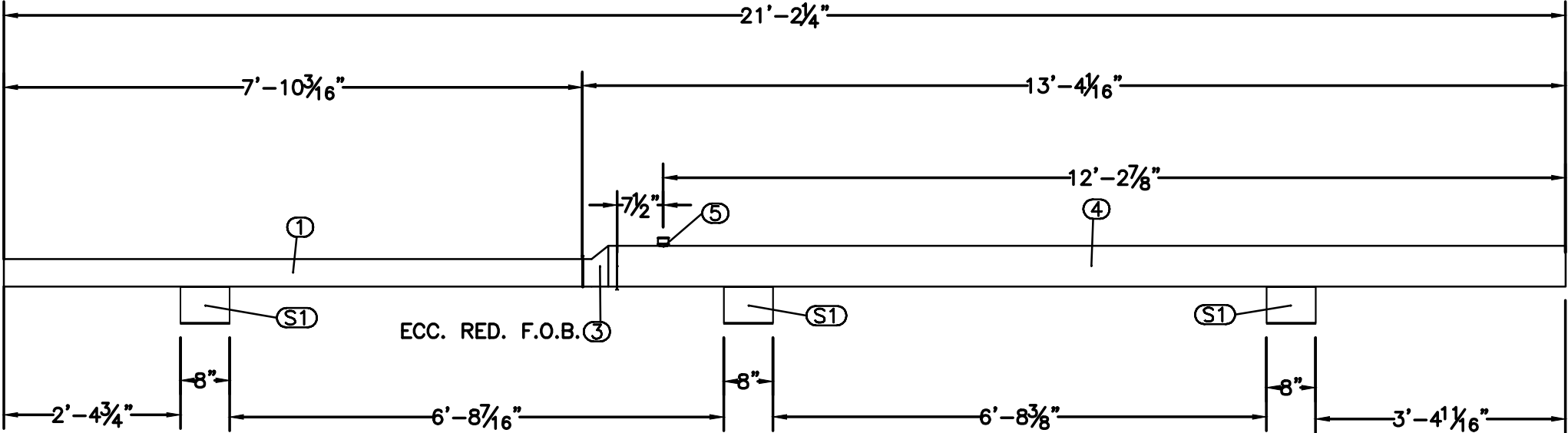


Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	XH SA-53B CS SMLS Pipe	BEV	BEV	18'-10 3/16"	226.199	4

BOM-STEEL						
Item No	Order	Description	Qty	Size	Steel L	
S1	WT6x7		3		8"	

			
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WUSM RESEARCH BUILDING NRB			
SERVICE NAME UPL1-15 RACK			
REF.DWG.			
DRAWING NO./TRACKING NO. 210140-A-UPL1-15-03			
DRN JMM 3/22/2021	QTY. 1	SHT/NO 1 of 1	REV 0
CHK	1		
APP	1		
JOB NO. 210140	1		
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. NA		HYDRO TEST NA	
X-RAY NA		PWHT NA	
ASME NA		COMMENTS MURPHY WPS#	
0		NA	
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 ECC RED					6x4
5	1	3000# FS Soc-0-Let			1 5/16"	1.313	1x6
1	1	XH SA-53B CS SMLS Pipe	BEV	BEV	7'-10 3/16"	94.160	4
4	1	XH SA-53B CS SMLS Pipe	BEV	BEV	12'-10 3/8"	154.387	6

BOM-STEEL

Item No	Order	Description	Qty	Size	Steel L
S1	WT6x7		3		8"

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☐ 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

SERVICE NAME  
UPL1-15 RACK

REF.DWG.

DRAWING NO./TRACKING NO.  
210140-A-UPL1-15-04

QTY.

1

SHT/NO

1 of 1

REV

0