

## Murphy-PFFS-SPOOL-BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	Type L Hard Copper Pipe	Copper Ftg	Copper Ftg	20'-0"	239.995	1-1/2
2	1	Type L Hard Copper Pipe	Copper Ftg	Copper Ftg	20'-0"	240.000	1-1/2
3	1	Type L Hard Copper Pipe	Copper Ftg	Copper Ftg	20'-0"	240.000	3/4
4	1	Sch 10S A312 EFW 304 PIPE	Grooved End	Grooved End	20'-0"	240.000	4

## Murphy-PFFS-Ship Loose BOM

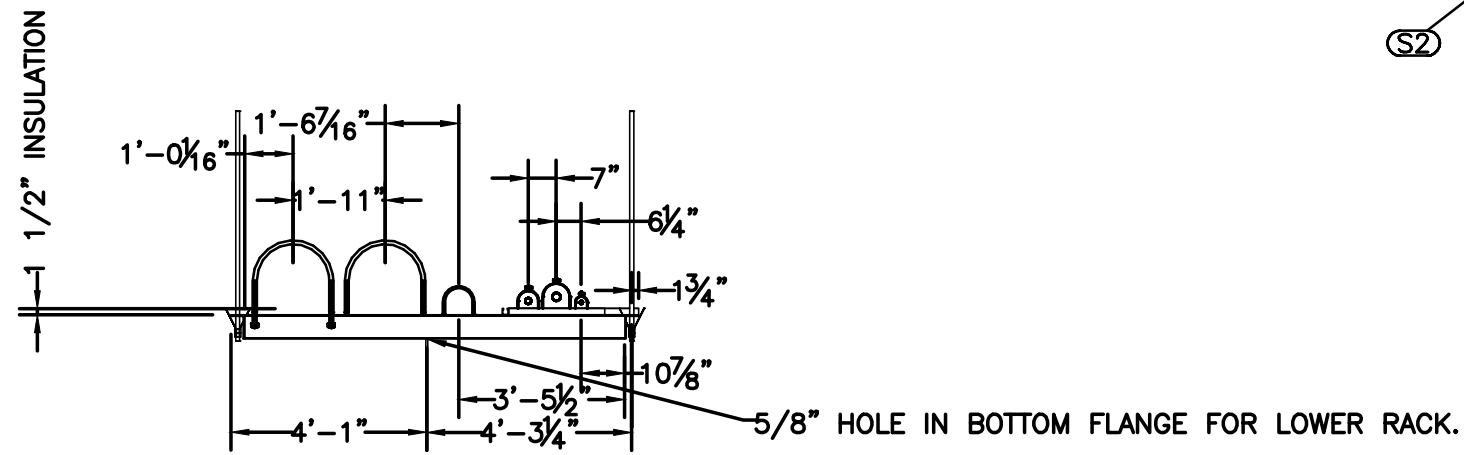
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
5	1	Wrot 601 No Stop Cplg CxC					1-1/2
6	1	Wrot 601 No Stop Cplg CxC					1-1/2
5	1	Wrot 601 No Stop Cplg CxC					1-1/2
6	1	Wrot 601 No Stop Cplg CxC					1-1/2
7	2	Wrot 601 No Stop Cplg CxC					3/4
8	2	Style 107N QuickVic EHP Pnt Rigid Cpl					4


**MURPHY**  
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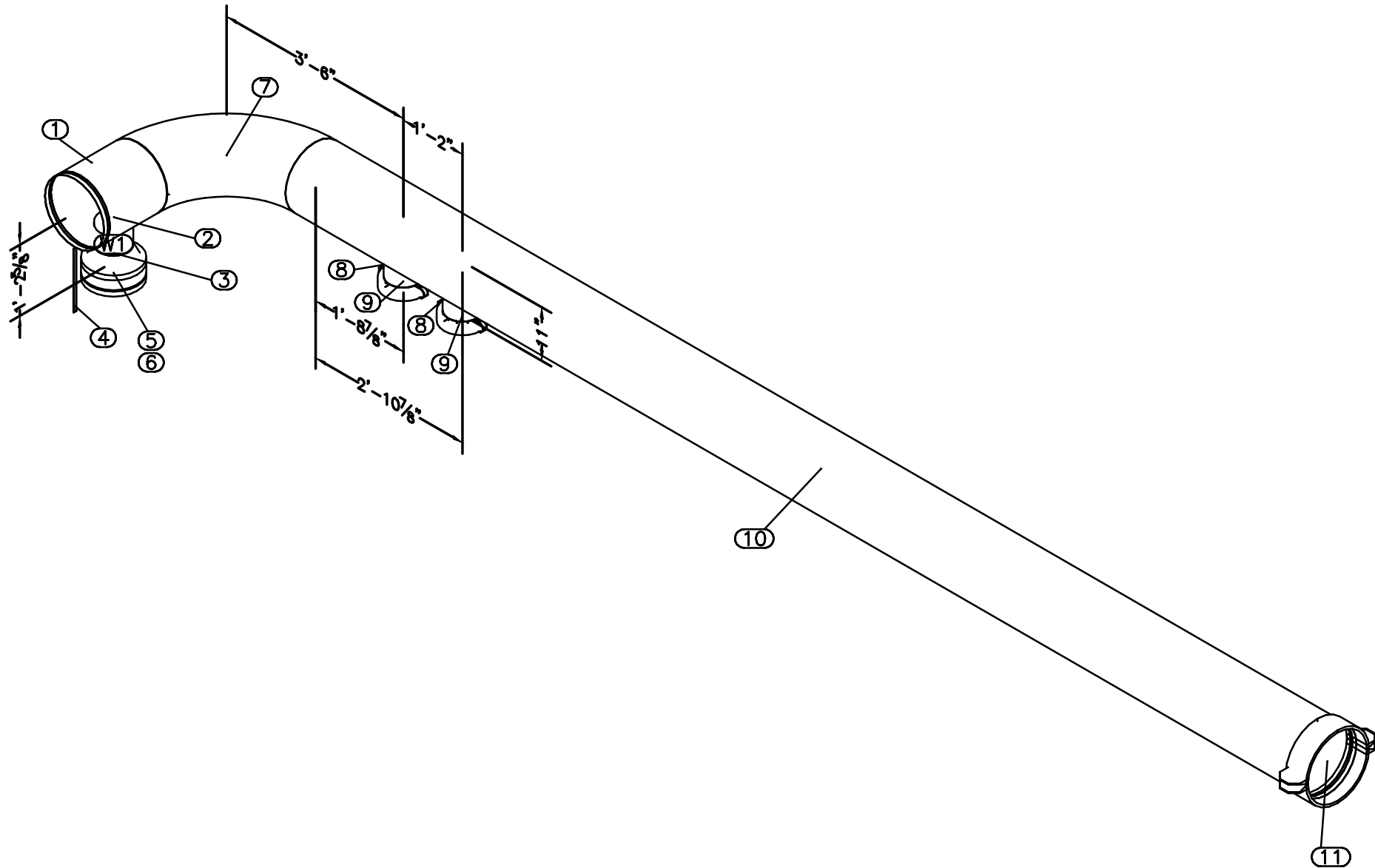
1233 N. Price Rd.  
St. Louis, MO 63132-2303  
314-997-6600 phone  
BIMCAD@murphy-stl.com

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

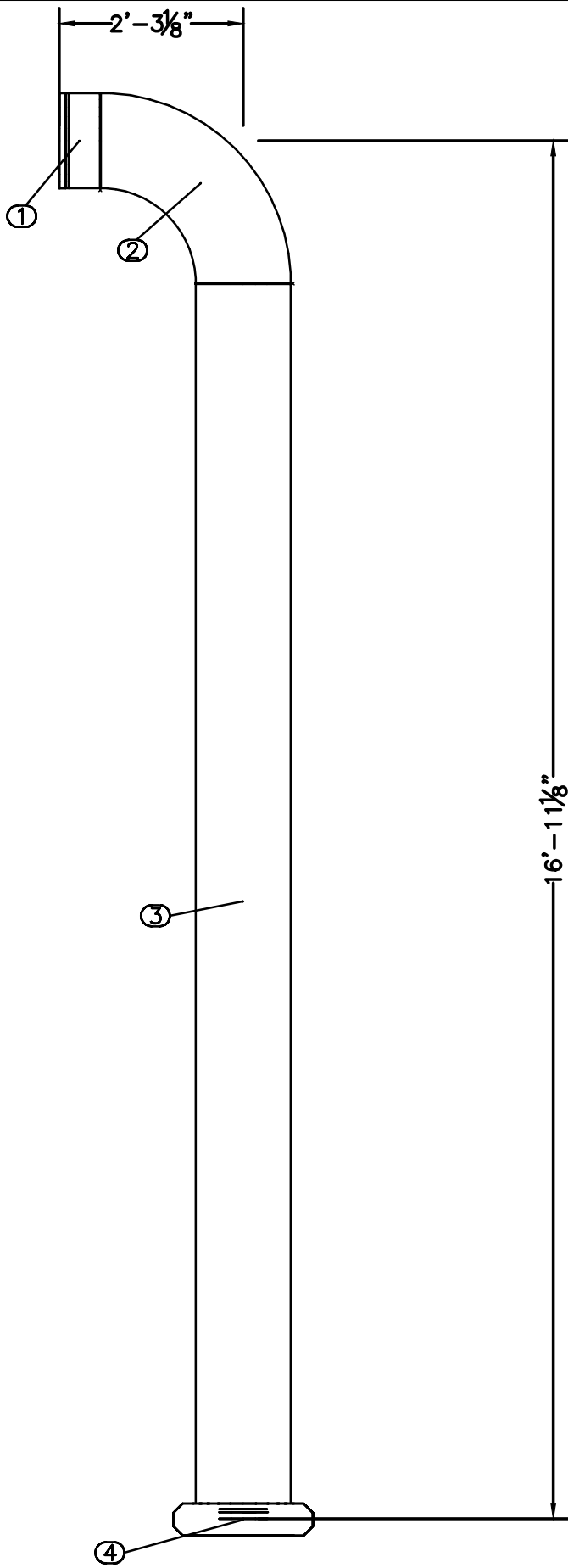
WUSM RESEARCH BUILDING		CUP LEVEL 02		REV	
NRB CUP		SHT/NO		1 OF 2	
PIPE RACKS		QTY.		1	
SERVICE NAME		210140-UPL2-2C		0	
JOB NO. 210140		DRAWING NO./TRACKING NO.		210140-UPL2-2C	
REF.DWG.		5/5/2021		JMM	
APP		CHK		DRN	



 <div style="text-align: center; font-size: small;">             CONSTRUCTORS   • ENGINEERS   MECHANICAL   INDUSTRIAL              SINCE 1907         </div>					
1233 N. Price Rd. St. Louis, MO 63132-2303 314-997-6600 phone BIMCAD@murphy-stl.com					
<b>DRN JMM</b>	<b>5/5/2021</b>	<b>WUSM RESEARCH BUILDING</b>			
<b>CHK</b>		<b>NRB CUP</b>			
<b>APP</b>		<b>PIPE RACKS</b>			
<b>JOB NO.</b>	<b>210140</b>				
<b>REF.DWG.</b>					
<b>DRAWING NO./TRACKING NO.</b>		<b>QTY.</b>	<b>SHT/NO</b>	<b>REV</b>	
<b>210140-UPL2-2C</b>		<b>1</b>	<b>2 of 2</b>	<b>0</b>	
		<b>SERVICE NAME</b>			
		<b>CUP LEVEL 02</b>			
<b>QA/QC ACCEPT</b>		<b>SPEC.</b>	<b>ASME</b>	<b>X-RAY</b>	<b>HYDRO TEST</b>
<input type="checkbox"/>	<b>FLANGE WEIGHT/ORIENTATION</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>PWHT</b>
<input type="checkbox"/>	<b>FITTING ORIENTATION</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>COMMENTS</b>
<input type="checkbox"/>	<b>BOLTS/CPLG'S/TH'D TIGHT</b>			<b>MURPHY WPS#</b>	
<input type="checkbox"/>	<b>SPOOL IDENTIFICATION</b>				
		<b>0</b>			
<b>REV</b>	<b>DATE</b>	<b>DESCRIPTION</b>			<b>CHK</b>
					<b>APP</b>



DRN JMM		5/10/2021		WUSM RESEARCH BUILDING				QA/QC ACCEPT										<input type="checkbox"/> FLANGE WEIGHT/ORIENTATION							
CHK				NRB CUP														<input type="checkbox"/> FITTING ORIENTATION							
APP				PIPE RACKS														<input type="checkbox"/> BOLTS/CPLG'S/TH'D TIGHT							
JOB NO.		210140																<input type="checkbox"/> SPOOL IDENTIFICATION							
REF.DWG.				SERVICE NAME				SPEC.		ASME		X-RAY		HYDRO TEST		PWHT		COMMENTS							
				UPL2-2C				NA		NA		NA		NA		NA		MURPHY WPS#							
								0																	
DRAWING NO./TRACKING NO.				QTY.				SHT/NO				REV				DESCRIPTION				DRN		CHK		APP	
210140-UPL2-2C-01				1				1 OF 1				0													



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
4	1	Style W07 Rigid Coupling					14
2	1	Std Wt SA234 WPB CS BW LR 90 Deg El					14
1	1	Std Wt SA-53B CS ERW Pipe PE	Grooved End	BEV	6"	6.000	14
3	1	Std Wt SA-53B CS ERW Pipe PE	BW	Grooved End	15'-2"	182.000	14

[illegible]