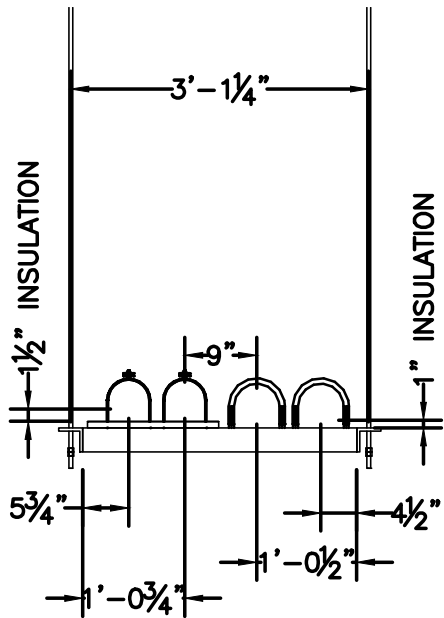
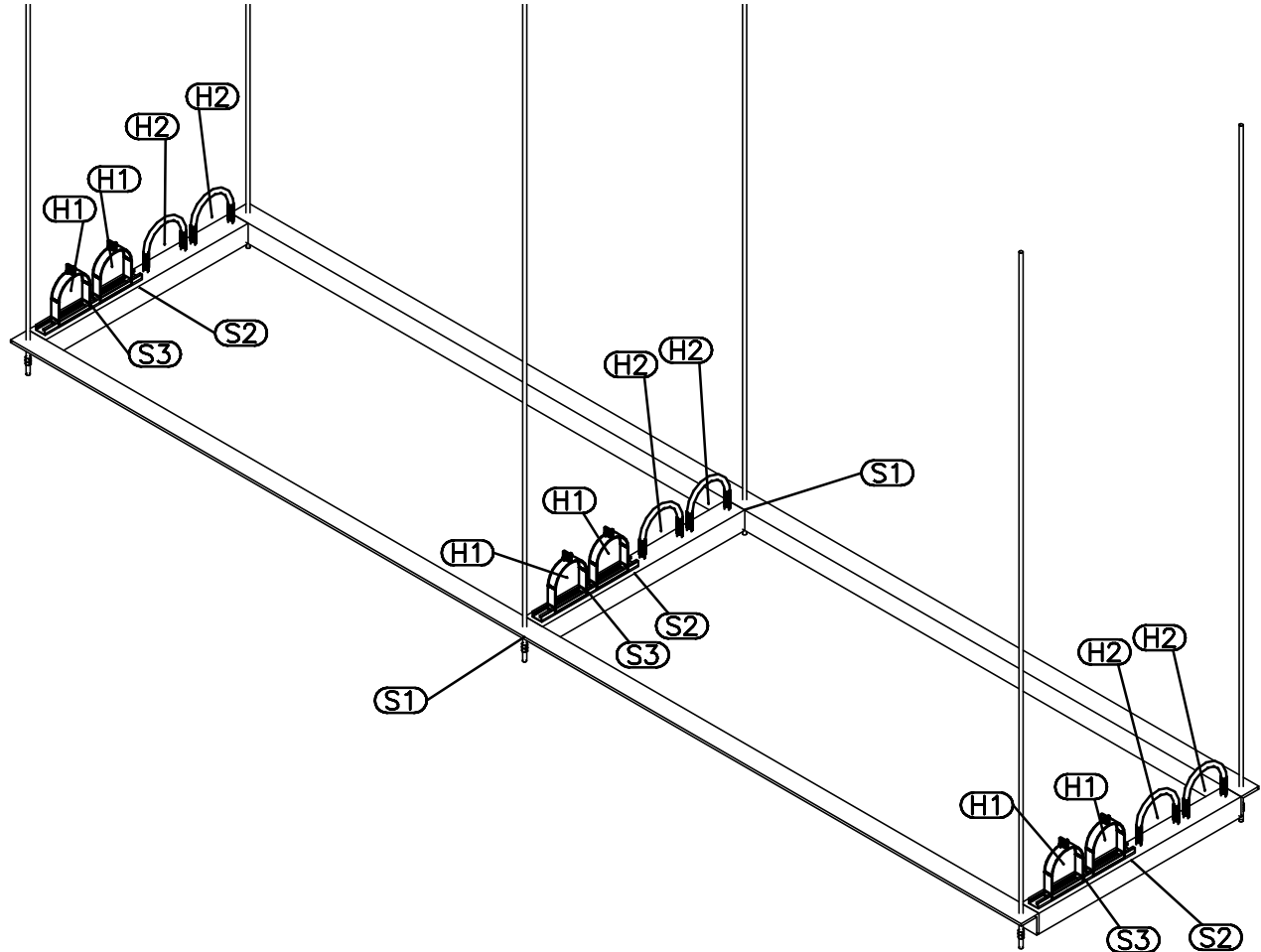
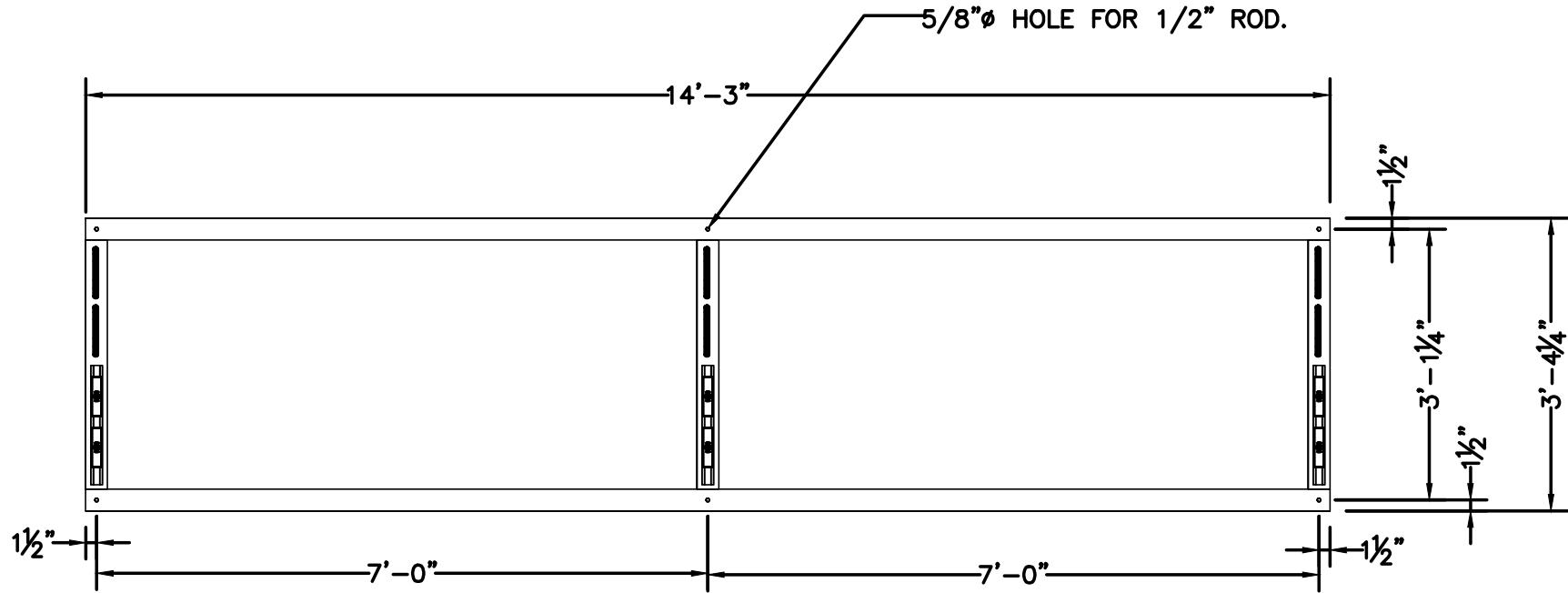


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DRN JMM	3/11/2021	WUSM RESEARCH BUILDING				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>
CHK		NRB CUP				_____				FITTING ORIENTATION				<input type="checkbox"/>
APP		PIPE RACKS								BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>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



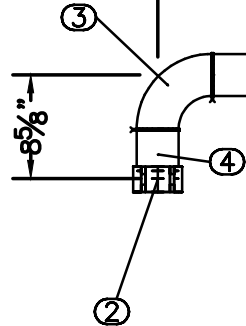
BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
H1	929162	Klo-Shure Strut Clamp 1-1/2in Insul Cplg - Fiberglass_CTS	6	2	
H2	Fig137	Fig.137 U-Bolt (4)-Nut Black	6	5	
S1	L3x3x3/8	ASTM A36 CS Equal Angle	2	L3x3x3/8	171"
S2	L3x3x3/8	ASTM A36 CS Equal Angle	3	L3x3x3/8	34 1/4"
S3	B52 GRN	1FT GREEN 12GA CHANNEL	3	1-5/8x13/16	16 1/2"

DRN JMM		3/11/2021		WUSM RESEARCH BUILDING				SERVICE NAME				CUP LEVEL 02				REV	
CHK				NRB CUP								SHT/NO				2 OF 2	
APP				PIPE RACKS								QTY.				1	
JOB NO.		210140										DRAWING NO./TRACKING NO.				210140-A-UPL2-1H	
REF.DWG.																0	




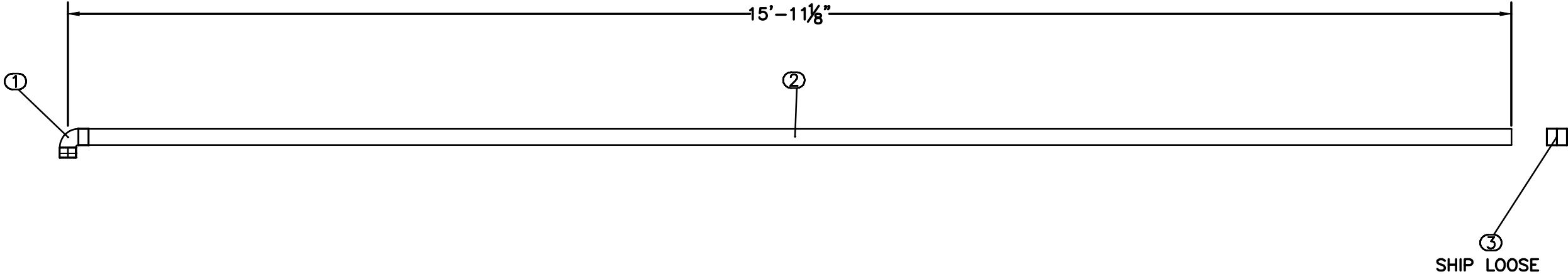
Murphy-PFFS-Ship Loose BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	2	Style 107N QuickVic EHP Pnt Rigid Cpl					3

DRN JMM		3/29/2021	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		UPL2-1H-01				SPEC.		
DRAWING NO./TRACKING NO.			QTY.		SHT/NO		REV	NA			
210140-A-UPL2-1H-1			1		1 of 1		0	NA			
							REV	NA			
							DATE	NA			
							DESCRIPTION		DRN	CHK	
									APP		



Murphy-PFFS-Ship Loose BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	2	Style 107N QuickVic EHP Pnt Rigid Cpl					3

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WUSM RESEARCH BUILDING		QA/QC ACCEPT _____						
DRN JMM	3/29/2021							
CHK								
APP								
JOB NO.	210140							
REF.DWG.								
DRAWING NO./TRACKING NO.								
210140-A-UPL2-1H-2								
SERVICE NAME		UPL2-1H-01						
QTY.	SHT/NO	REV						
1	1 of 1	0						
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



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
1	1	Wrot 607 90 Deg Ell CxC					2
2	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	15'-9 11/16"	189.701	2

Murphy-PFFS-Ship Loose BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Wrot 601 No Stop Cplg CxC					2

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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				WUSM RESEARCH BUILDING			
	SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	SERVICE NAME		
	NA	NA	NA	NA	NA	UPL2-1H-01		
	0					QTY.	SHT/NO	REV
REV	DATE	DESCRIPTION			DRN	CHK	APP	



Murphy-PFFS-Ship Loose BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Wrot 601 No Stop Cplg CxC					2

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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	NA	MURPHY WPS#	
0							
REV	DATE	DESCRIPTION					
						DRN	CHK APP

DRN JMM	3/29/2021	WUSM RESEARCH BUILDING NRB CUP PIPE RACKS	
CHK			
APP			
JOB NO.	210140		
REF.DWG.		SERVICE NAME UPL2-1H-01	
DRAWING NO./TRACKING NO. 210140-A-UPL2-1H-4		QTY. 1	SHT/NO 1 of 1
		REV	0