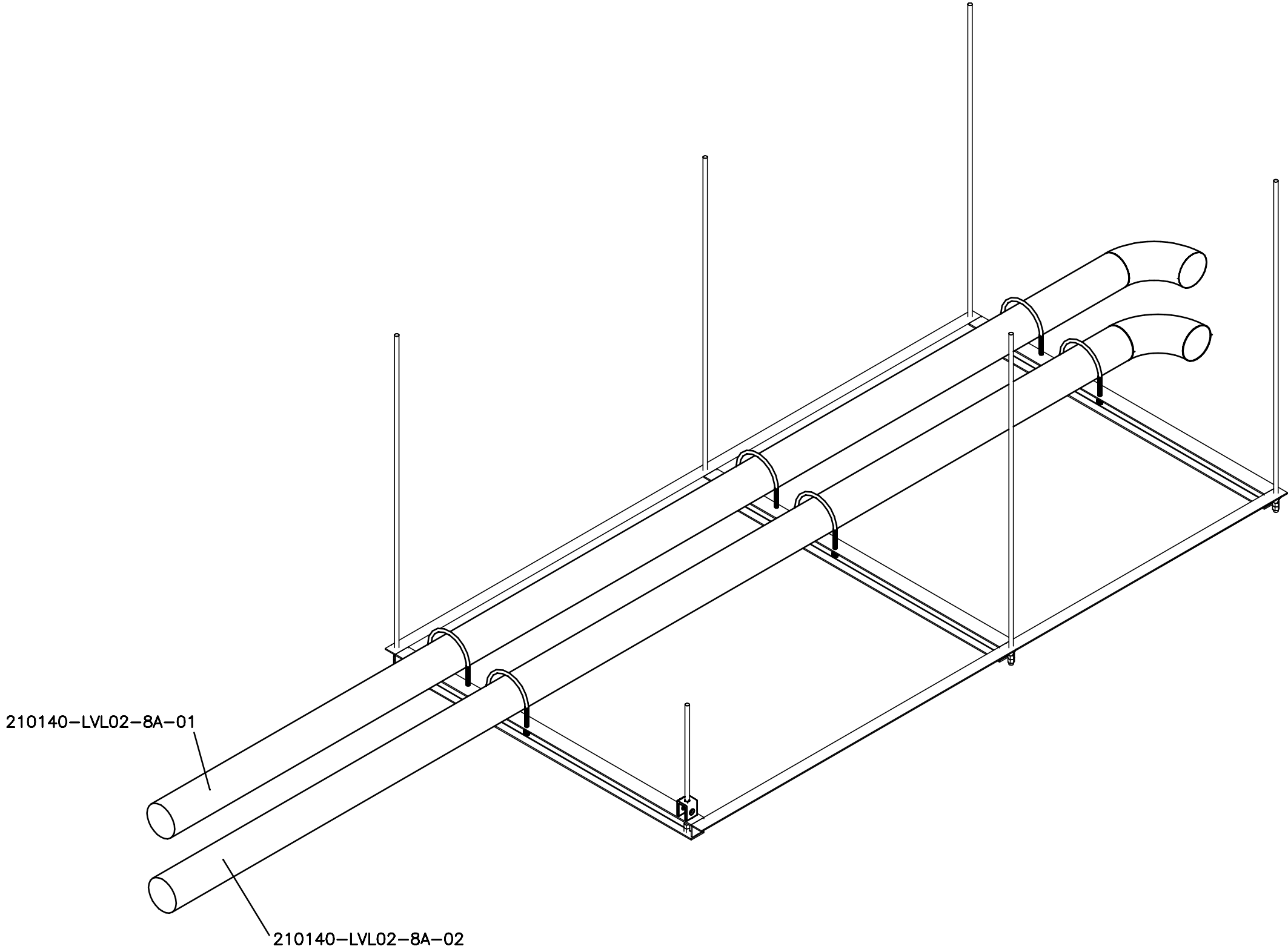


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WUSM RESEARCH BUILDING NRB LEVEL 02 NRB RACK SERVICE NAME			QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION		<input type="checkbox"/>		
					FITTING ORIENTATION		<input type="checkbox"/>		
					BOLTS/CPLG'S/TH'D TIGHT		<input type="checkbox"/>		
					SPOOL IDENTIFICATION		<input type="checkbox"/>		
REF.DWG.			SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS	
			NA	NA	NA	NA	NA	MURPHY WPS#	
			0						
			REV	DATE	DESCRIPTION			DRN	CHK
DRAWING NO./TRACKING NO. 201140-LVL02-8A			QTY.	1	SHT/NO	2 of 3		REV	0

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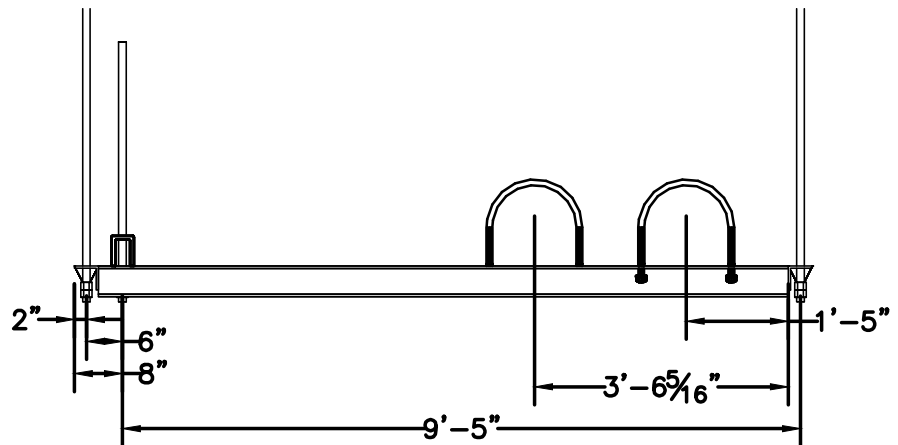
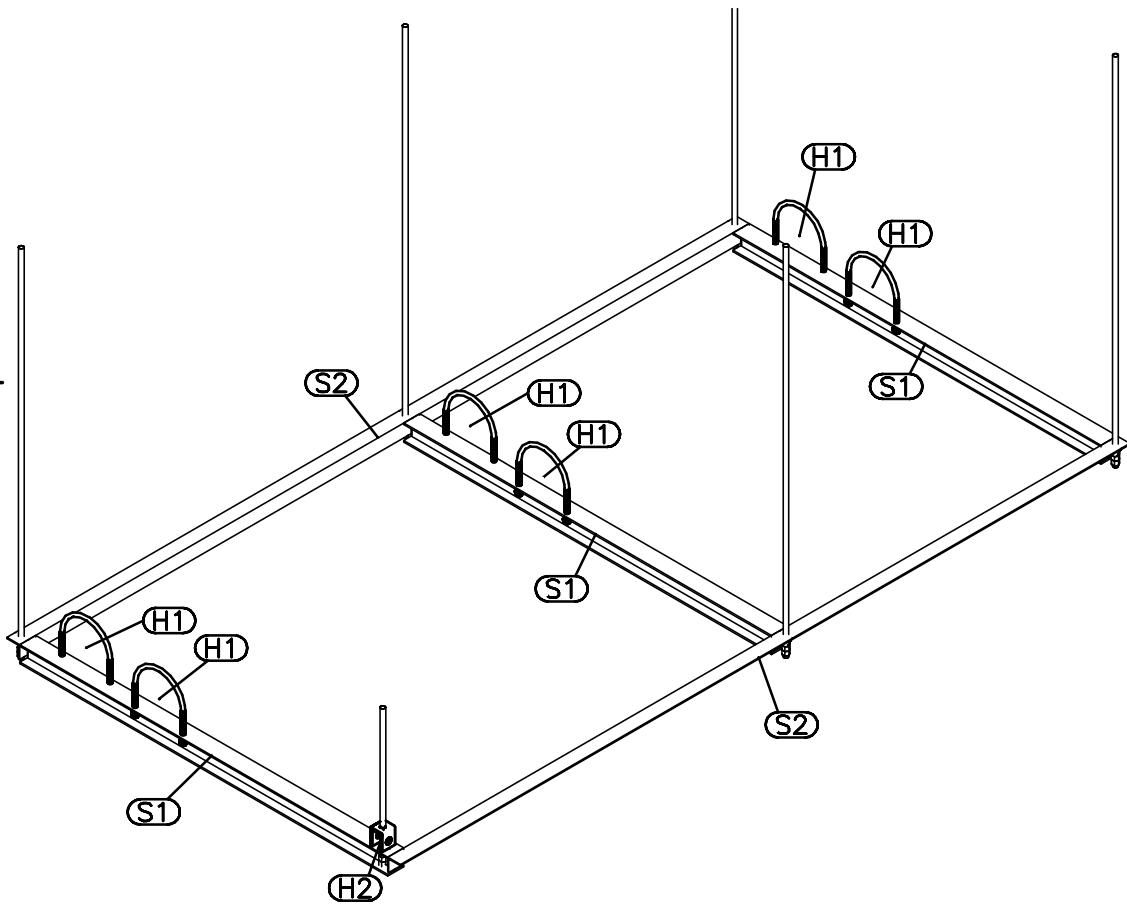
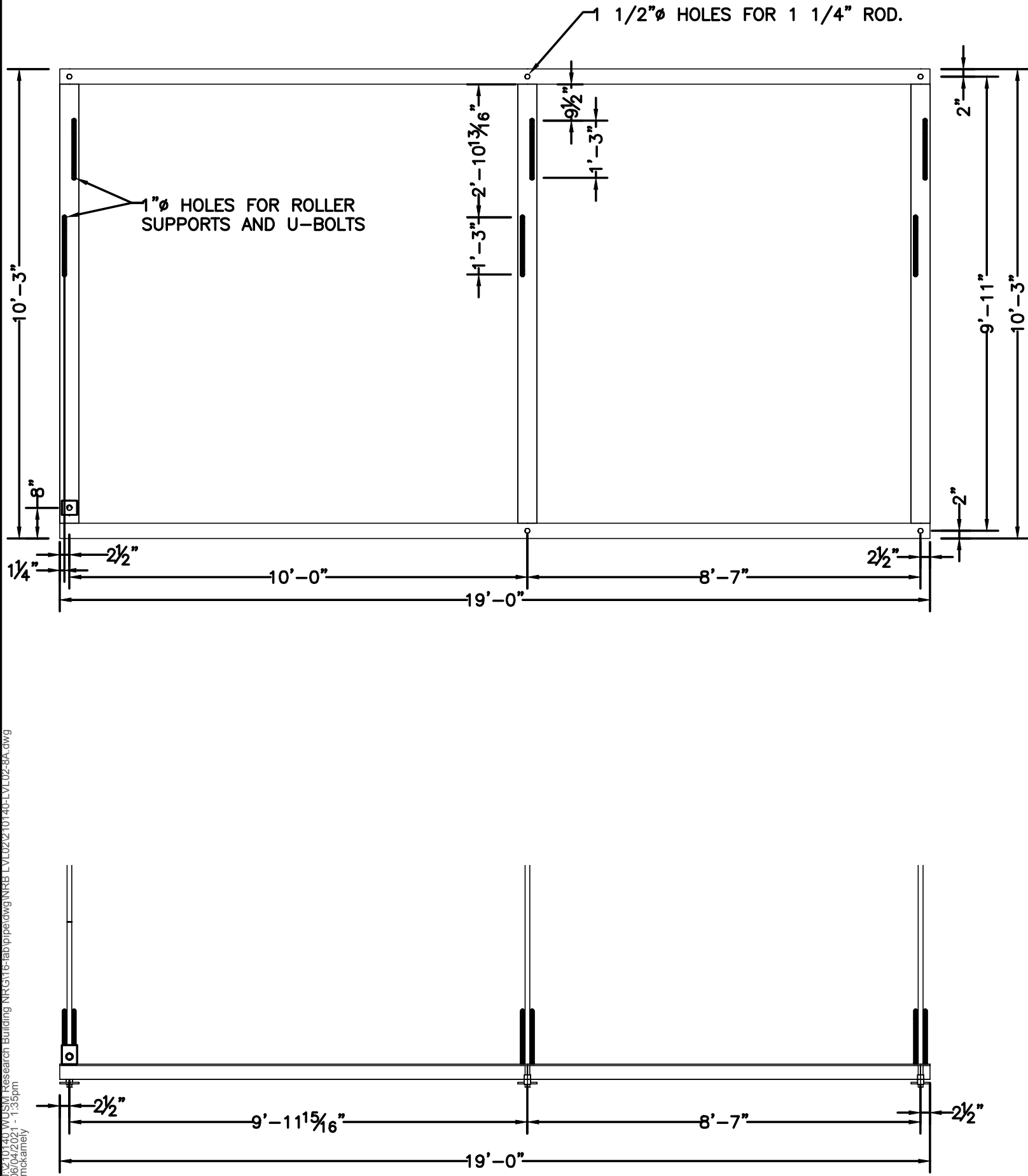


DRN JMM		6/2/2021	WUSM RESEARCH BUILDING			QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>		
CHK			NRB					FITTING ORIENTATION				<input type="checkbox"/>		
APP			LEVEL 02 NRB RACK					BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>		
JOB NO.		210140	SERVICE NAME					SPOOL IDENTIFICATION				<input type="checkbox"/>		
REF.DWG.						SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS			
DRAWING NO./TRACKING NO.			QTY.	SHT/NO	REV	NA	NA	NA	NA	NA	MURPHY WPS#			
201140-LVL02-8A			1	2 of 3	0	0								
						REV	DATE	DESCRIPTION				DRN	CHK	APP

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BOM-STEEL

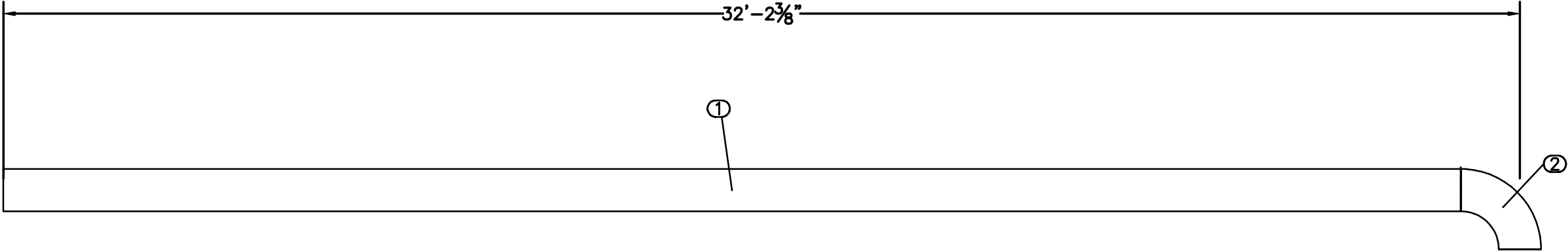
Item No	Order	Description	Qty	Size	Steel L
H1	Fig137	Fig.137 U-Bolt (4)-Nut Black	6	14	
H2	Fig66 No-Bolt - PLN	Fig.66 Weld Beam Attach without Bolt & Nut - BLK	1	1-1/4	
S1	W5x19	ASTM A36 CS Wide Flange	3	W5x19	115"
S2	L4x4x3/8	ASTM A36 CS Equal Angle	2	L4x4x3/8	228"

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

DRN	JMM	6/2/2021	WUSM RESEARCH BUILDING		
CHK			NRB		
APP			LEVEL 02 NRB RACK		
JOB NO.	210140	SERVICE NAME			
REF.DWG.					
DRAWING NO./TRACKING NO.	201140-LVL02-8A	QTY.	1	SHT/NO	3 OF 3
		REV	0		



Murphy—PFFS—SPOOL—BOM						
Mark	Qty	Description	End 1	End 2	Lft	Size
2	1	Std Wt SA234 WPB CS BW LR 90 Deg El				10
1	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	30'-11 1/4"	10

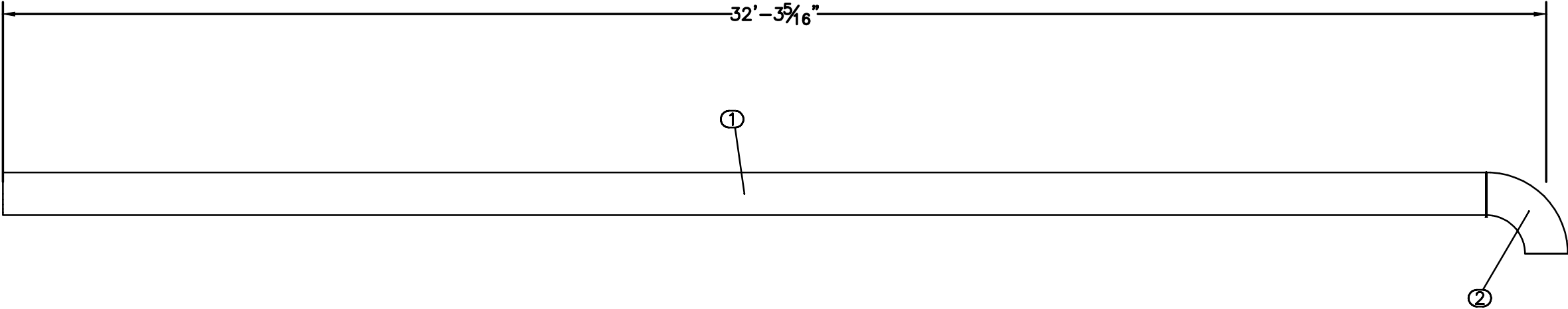
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QA/QC ACCEPT		FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>
		FITTING ORIENTATION				<input type="checkbox"/>
		BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>
		SPOOL IDENTIFICATION				<input type="checkbox"/>
SPEC.	ASME	X-RAY	HYDRO TEST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

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



Murphy—PFFS—SPOOL—BOM						
Mark	Qty	Description	End 1	End 2	Lft	Size
2	1	Std Wt SA234 WPB CS BW LR 90 Deg El				10
1	1	Sch 40 SA-53B CS ERW Pipe PE	BEV	BEV	31'-0 3/16"	10

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DRN JMM CHK APP JOB NO. 210140 REF.DWG. DRAWING NO./TRACKING NO. 210140-LVL02-8A-02	WUSM RESEARCH BUILDING				QA/QC ACCEPT				FLANGE WEIGHT/ORIENTATION				<input type="checkbox"/>			
	NRB				SPEC. NA				FITTING ORIENTATION				<input type="checkbox"/>			
	LVLO2								BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>			
	SERVICE NAME				X-RAY				SPOOL IDENTIFICATION				<input type="checkbox"/>			
	LVLO2-8A RACK				ASME				HYDRO TEST							
				NA				NA				COMMENTS				
				QTY. 1				DATE				MURPHY WPS#				
				SHT/NO 1 of 1				REV				DRN				APP