

BOM-STEEL

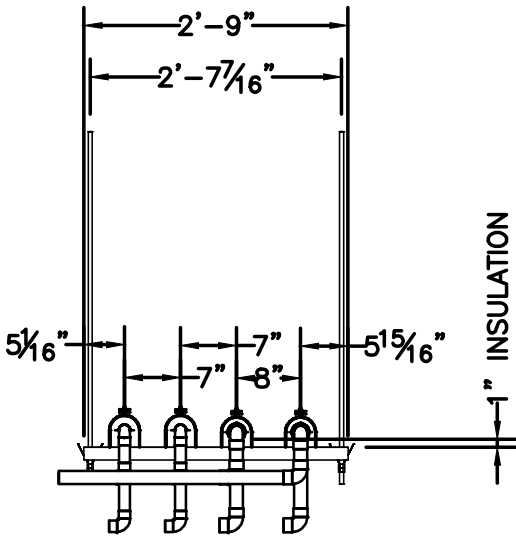
Item No	Order	Description	Qty	Size	Steel L
H1	928137	Klo-Shure Strut Clamp 1in Insul Cplg - Fiberglass_CTS	12	1-1/4	
S1	B22 YZN	1-5/8 GALV 12GA 2in Slotted Unistrut	3	1-5/8x1-5/8	33"

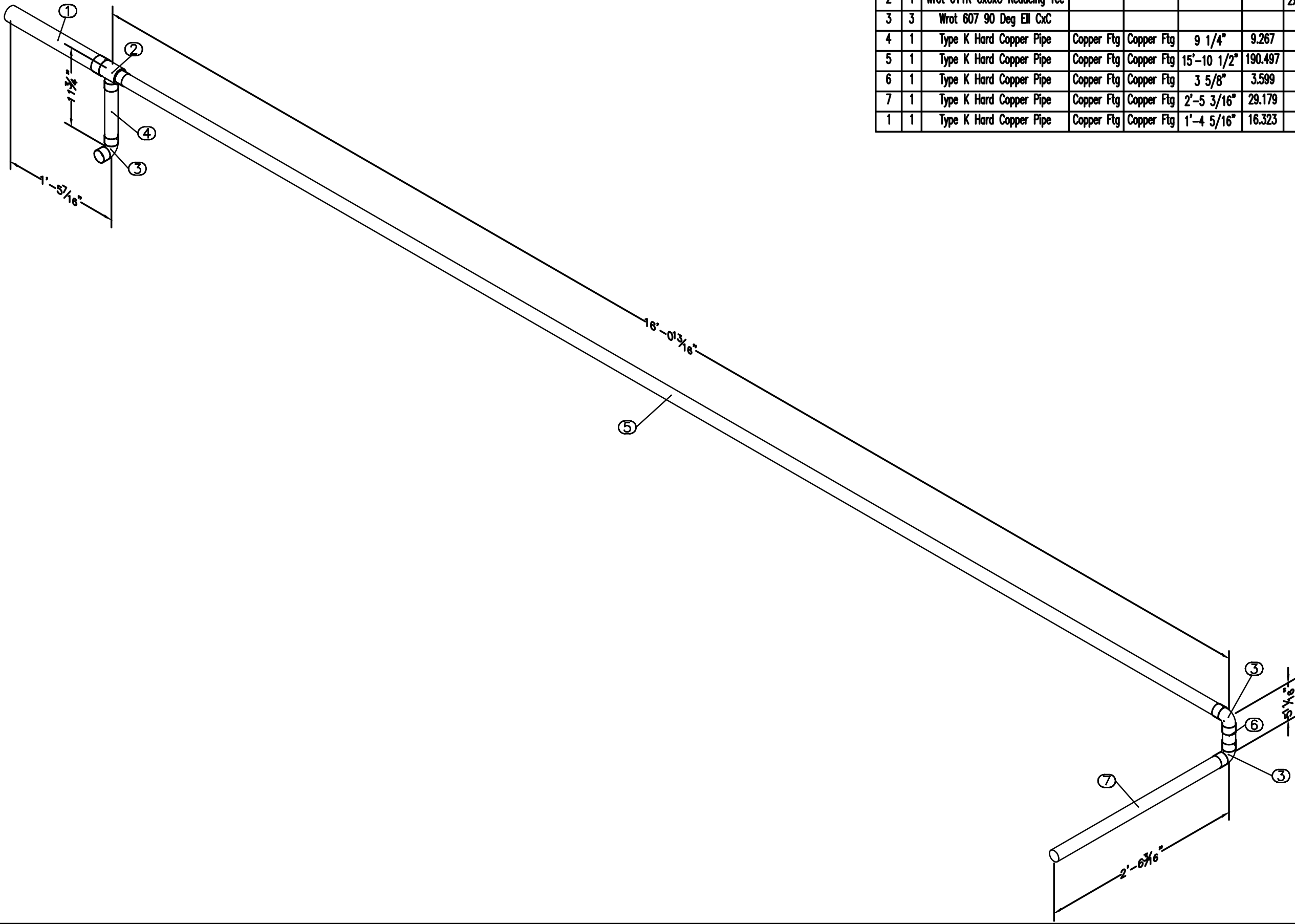
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CONSTRUCTORS • ENGINEERS MECHANICAL • INDUSTRIAL

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

<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				COMMENTS			
	SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	NA	NA	MURPHY WPS#
	NA	NA	NA	NA	NA	NA	NA	
	0	REV	DATE	DESCRIPTION	DRN	CHK	APP	

DRN JMM		4/13/2021	WUSM RESEARCH BUILDING		
CHK			NRB		
APP					
JOB NO.		210140			
REF.DWG.			SERVICE NAME		
			UPLVL-01 RACK		
DRAWING NO./TRACKING NO.			QTY.	SHT/NO	REV
210140-A-UPL1-4F			1	1 of 1	0





Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	Wrot 611R CxCxC Reducing Tee					2x1-1/2x1-1/2
3	3	Wrot 607 90 Deg Ell CxC					1-1/2
4	1	Type K Hard Copper Pipe	Copper Flg	Copper Flg	9 1/4"	9.267	1-1/2
5	1	Type K Hard Copper Pipe	Copper Flg	Copper Flg	15'-10 1/2"	190.497	1-1/2
6	1	Type K Hard Copper Pipe	Copper Flg	Copper Flg	3 5/8"	3.599	1-1/2
7	1	Type K Hard Copper Pipe	Copper Flg	Copper Flg	2'-5 3/16"	29.179	1-1/2
1	1	Type K Hard Copper Pipe	Copper Flg	Copper Flg	1'-4 5/16"	16.323	2

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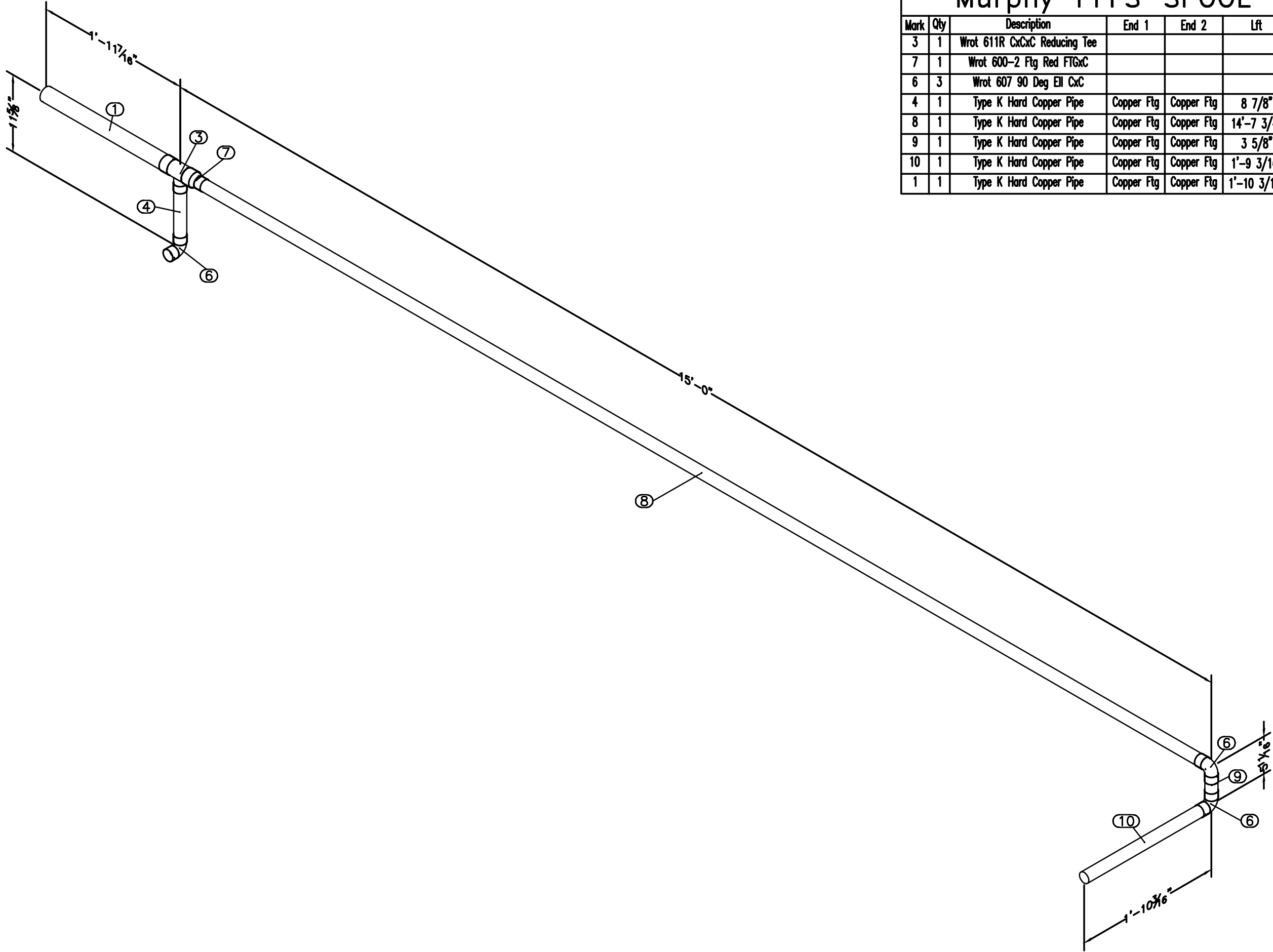
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<input type="checkbox"/> BOLTS/CPLG'S/TH'D TIGHT	
<input type="checkbox"/> SPOOL IDENTIFICATION	

QA/QC ACCEPT		X-RAY		ASME	HYDRO TEST	PWHT		COMMENTS	
		NA		NA	NA	NA		MURPHY WPS#	
SPEC.		NA		NA	NA	NA			
0		REV		DATE	DESCRIPTION		DRN	CHK	APP

DRN	JMM	4/15/2021	WUSM RESEARCH BUILDING		
CHK			NRB		
APP					
JOB NO.	210140		SERVICE NAME	UPLVL-01 RACK	
REF.DWG.			QTY.	SHT/NO	REV
DRAWING NO./TRACKING NO.		1	1	1 OF 1	0
210140-A-UPL1-4F-1					



Murphy-PFFS-SPOOL-BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Wrot 611R CxCxC Reducing Tee					2x1-1/2
7	1	Wrot 600-2 Ftg Red FTGxC					2x1-1/2
6	3	Wrot 607 90 Deg Ell CxC					1-1/2
4	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	8 7/8"	8.893	1-1/2
8	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	14'-7 3/4"	175.746	1-1/2
9	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	3 5/8"	3.600	1-1/2
10	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'-9 3/16"	21.184	1-1/2
1	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'-10 3/16"	22.162	2

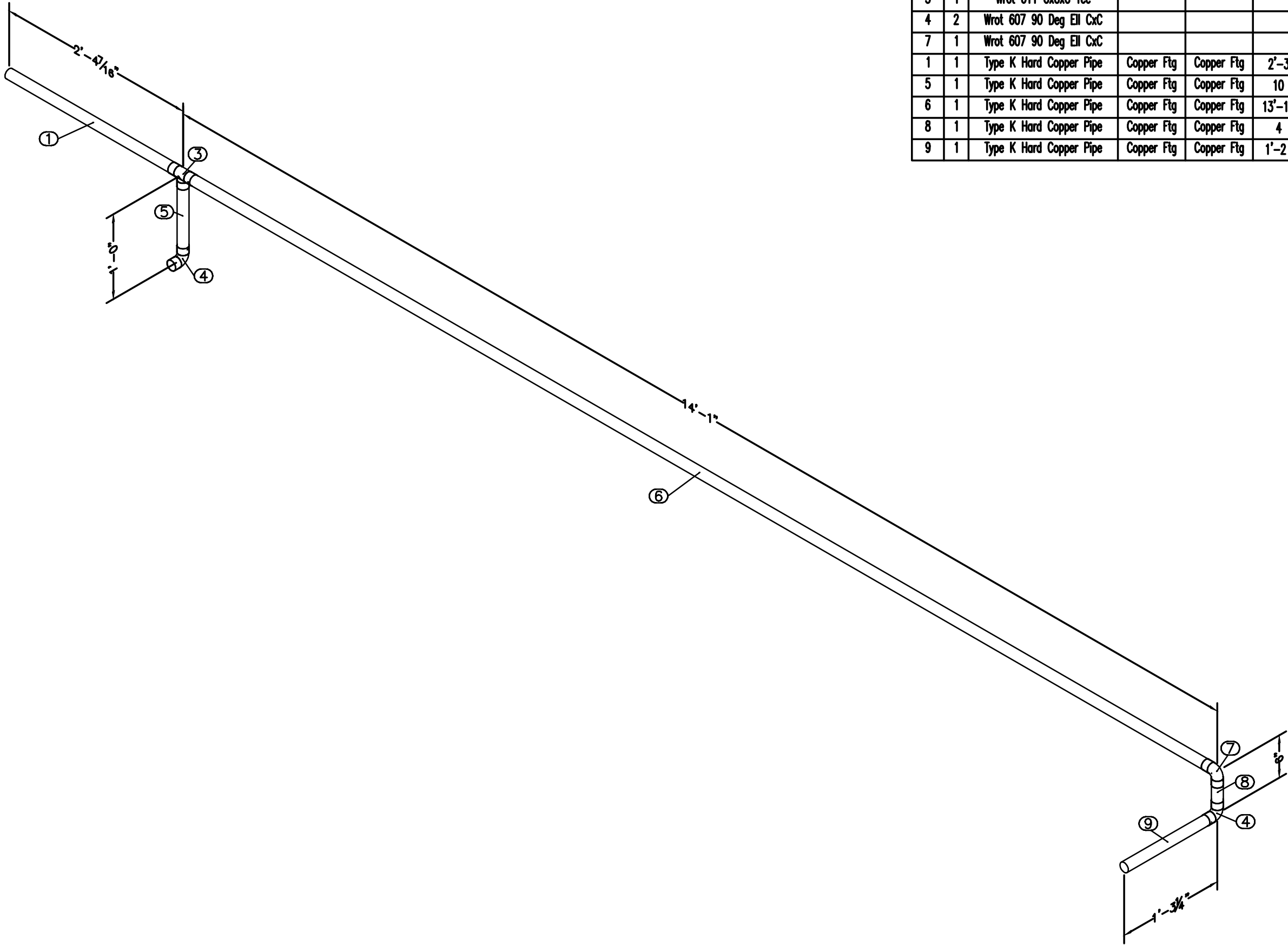
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		FITTING ORIENTATION		<input type="checkbox"/>	
		BOLTS/CPLG'S/TH'D TIGHT		<input type="checkbox"/>	
		SPOOL IDENTIFICATION		<input type="checkbox"/>	
SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS
NA	NA	NA	NA	NA	MURPHY WPS#
0					
REV	DATE	DESCRIPTION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

DRN JMM	4/15/2021	WUSM RESEARCH BUILDING	
CHK		NRB	
APP			
JOB NO.	210140	SERVICE NAME	UPLVL-01 RACK
REF.DWG.		QTY.	1
DRAWING NO./TRACKING NO.	210140-A-UPL1-4F-2	SHT/NO	1 OF 1
		REV	0



Murphy-PFFS-SPOOL-BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Wrot 611 CxCxC Tee					1-1/4
4	2	Wrot 607 90 Deg Ell CxC					1-1/4
7	1	Wrot 607 90 Deg Ell CxC					1-1/4
1	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	2'-3 5/8"	27.599	1-1/4
5	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	10 1/4"	10.248	1-1/4
6	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	13'-11 1/4"	167.249	1-1/4
8	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	4 1/8"	4.120	1-1/4
9	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'-2 5/16"	14.282	1-1/4

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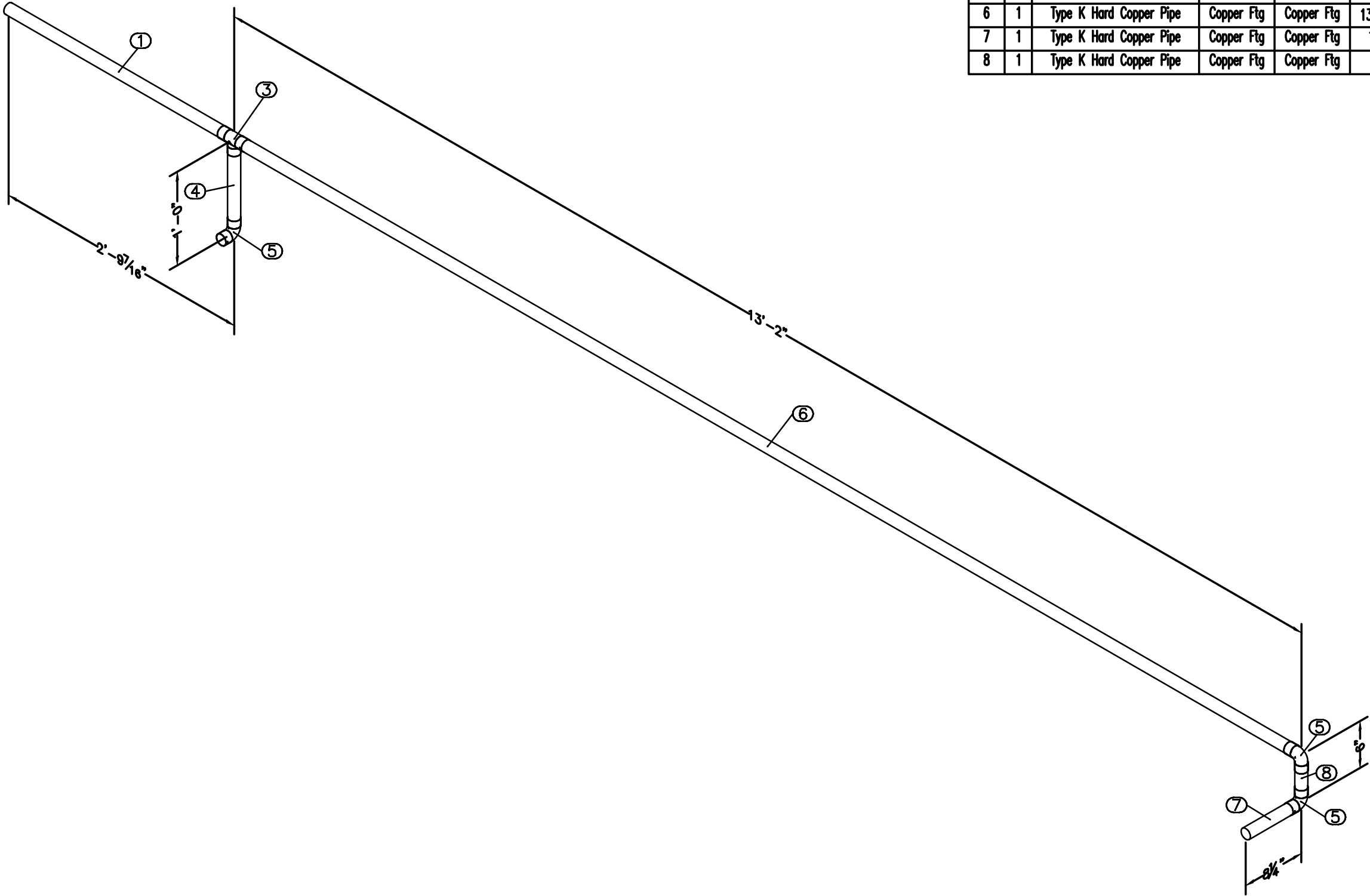
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		NA	NA	NA	NA	NA	MURPHY WPS#
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APP					
JOB NO.	210140	SERVICE NAME		UPLVL-01 RACK	
REF.DWG.		QTY.		SHT/NO	REV
DRAWING NO./TRACKING NO.		1	1 OF 1		0
210140-A-UPL1-4F-3					



Murphy-PFFS-SPOOL-BOM

Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Wrot 611 CxCxC Tee					1-1/4
5	3	Wrot 607 90 Deg Ell CxC					1-1/4
1	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	2'-8 5/8"	32.601	1-1/4
4	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	10 1/4"	10.248	1-1/4
6	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	13'-0 1/4"	156.270	1-1/4
7	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	7 5/16"	7.282	1-1/4
8	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	4 1/8"	4.120	1-1/4

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

QA/QC ACCEPT	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS
	NA	NA	NA	NA	MURPHY WPS#

0	REV	DATE	DESCRIPTION	DRN	CHK	APP
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DRN JMM	4/15/2021	WUSM RESEARCH BUILDING	
CHK		NRB	
APP			
JOB NO.	210140	SERVICE NAME	
REF.DWG.		UPLVL-01 RACK	
DRAWING NO./TRACKING NO.	QTY.	SHT/NO	REV
210140-A-UPL1-4F-4	1	1 of 1	0