

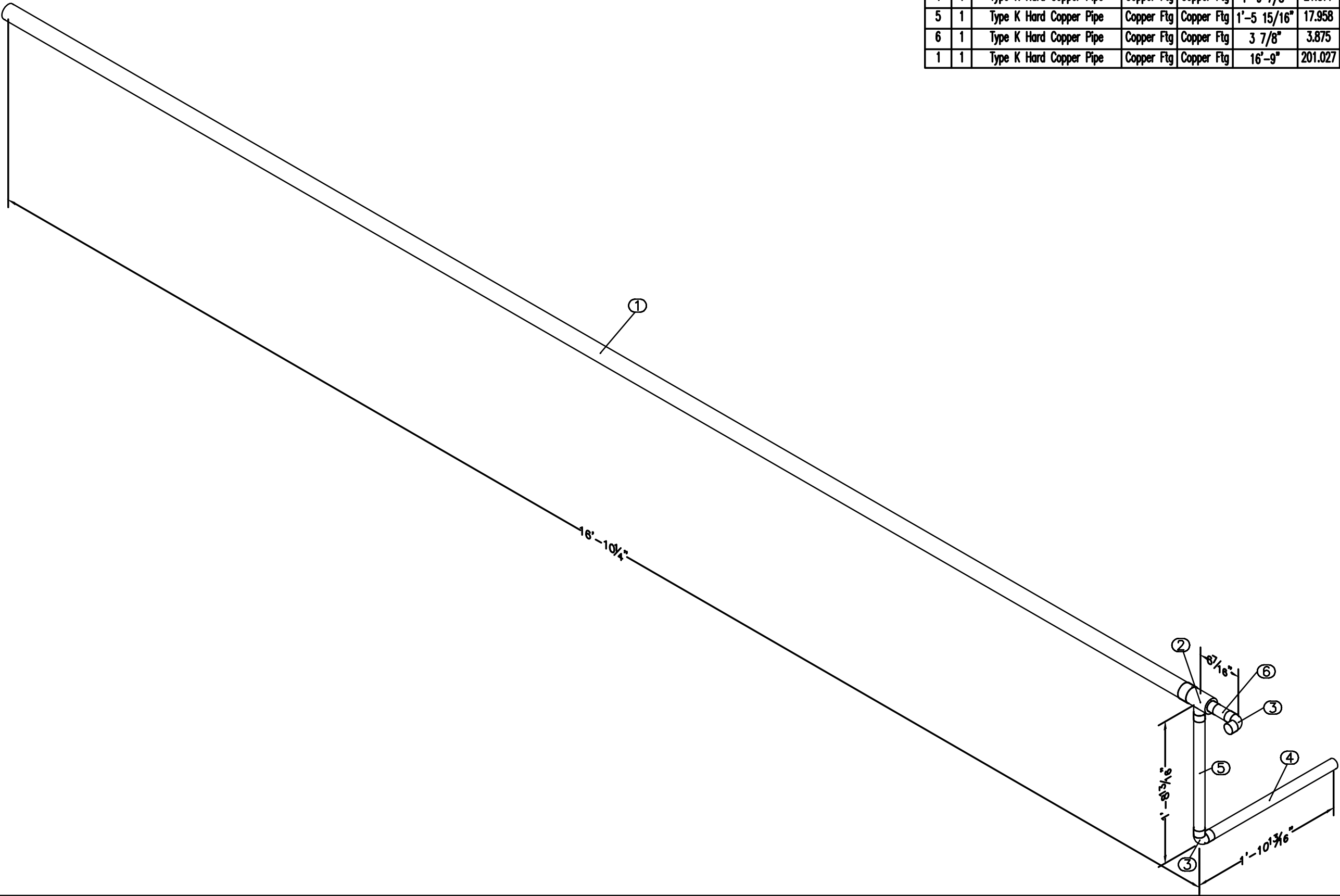
BOM-STEEL					
Item No	Order	Description	Qty	Size	Steel L
H1	928137	Klo-Shure Strut Clamp 1in Insul Cplg - Fiberglass_CTS	8	1-1/4	
H2	723212	Klo-Shure Strut Clamp 1in Insul Cplg - Armaflex	8	2	
S1	B22 YZN	1-5/8 GALV 12GA 2in Slotted Unistrut	4	1-5/8x1-5/8	34"

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314-997-6600 phone
BIMCAD@murphy-stl.com

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



Murphy–PFFS–SPOOL–BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
2	1	Wrot 611R CxCxC Reducing Tee					2x1–1/4x1–1/4
3	2	Wrot 607 90 Deg Ell CxC					1–1/4
4	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'–9 7/8"	21.877	1–1/4
5	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'–5 15/16"	17.958	1–1/4
6	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	3 7/8"	3.875	1–1/4
1	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	16'–9"	201.027	2

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FLANGE WEIGHT/ORIENTATION

FITTING ORIENTATION

BOLTS/CPLG'S/TH'D TIGHT

SPOOL IDENTIFICATION

☐

☐

☐

☐

QA/QC ACCEPT

SPEC.

NA

0

ASME

NA

X–RAY

NA

HYDRO TEST

NA

REV

DATE

COMMENTS

MURPHY WPS#

DESCRIPTION

DRN

CHK

APP

WUSM RESEARCH BUILDING

NRB

SERVICE NAME

UPLVL–01 RACK

QTY.

1

SHT/NO

1 of 1

REV

0

DRN JMM

4/13/2021

CHK

APP

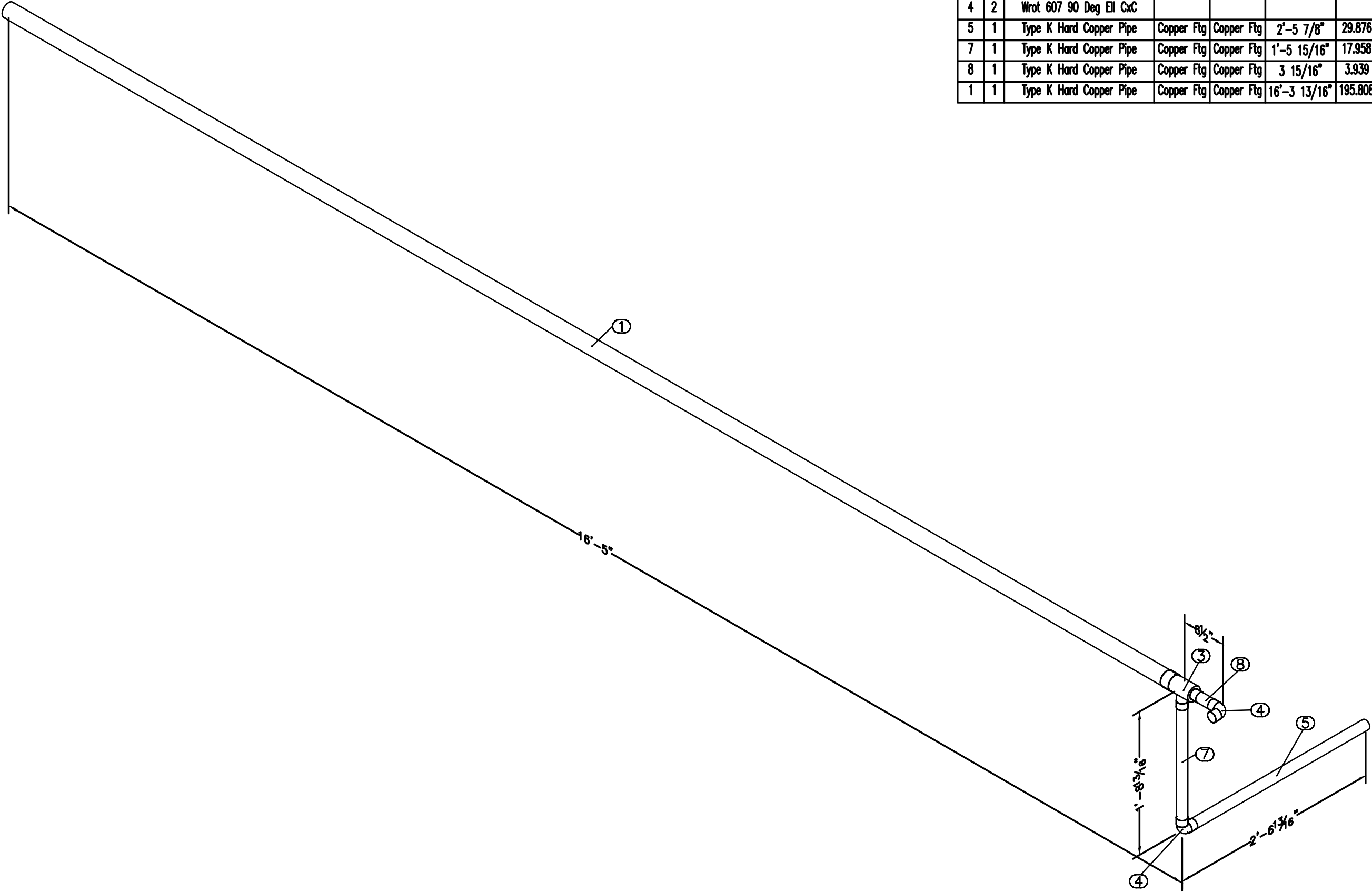
JOB NO.

210140

REF.DWG.

DRAWING NO./TRACKING NO.

210140–A–UPL1–4C–1



Murphy-PFFS-SPOOL-BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Wrot 611R CxCxC Reducing Tee					2x1-1/4x1-1/4
4	2	Wrot 607 90 Deg Ell CxC					1-1/4
5	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	2'-5 7/8"	29.876	1-1/4
7	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'-5 15/16"	17.958	1-1/4
8	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	3 15/16"	3.939	1-1/4
1	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	16'-3 13/16"	195.808	2

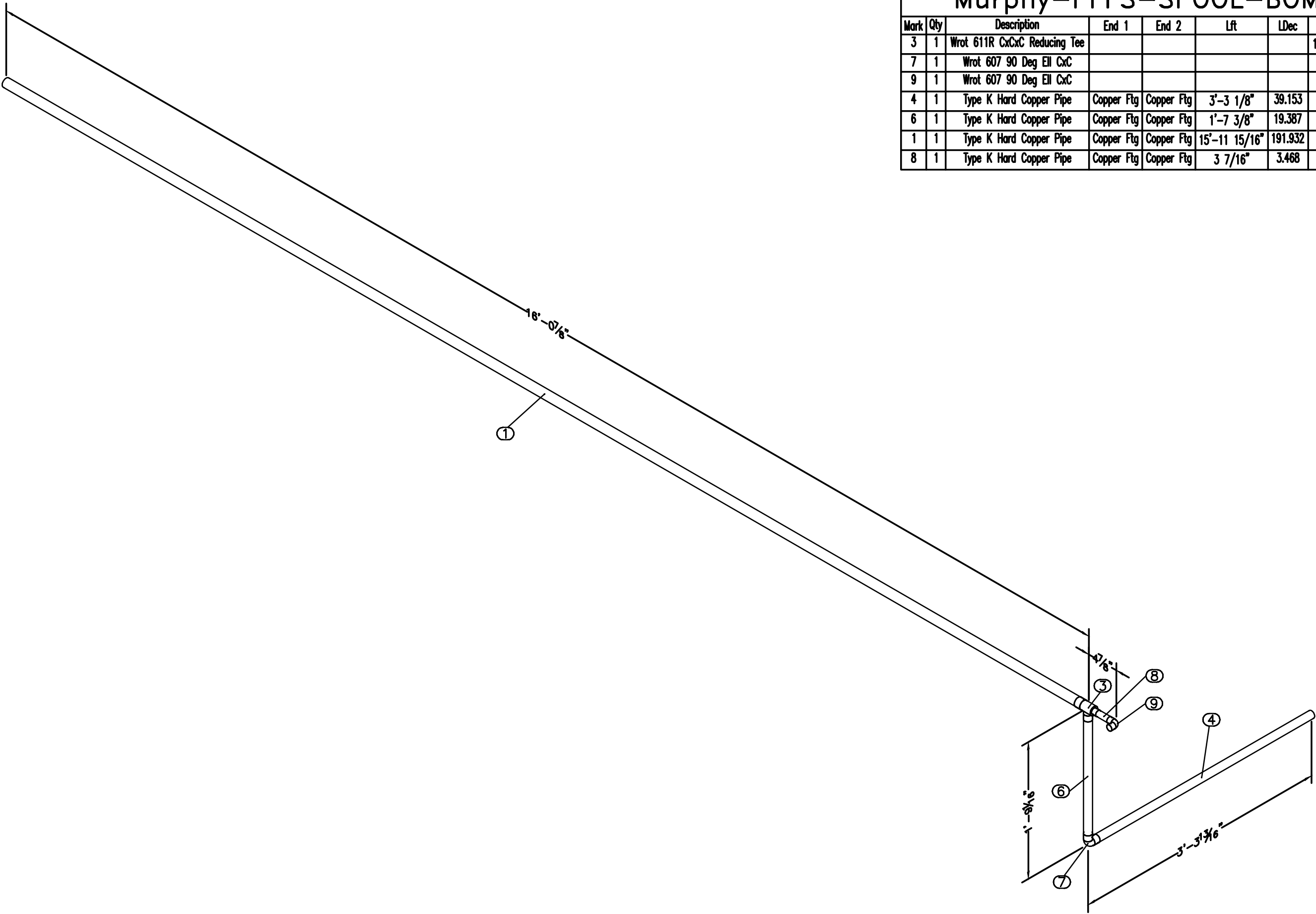
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		FITTING ORIENTATION				<input type="checkbox"/>
		BOLTS/CPLG'S/TH'D TIGHT				<input type="checkbox"/>
		SPOOL IDENTIFICATION				<input type="checkbox"/>
SPEC.	ASME	X-RAY	HYDRO TEST	PWHT	COMMENTS	
NA	NA	NA	NA	NA	MURPHY WPS#	
0						
REV	DATE	DESCRIPTION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

DRN JMM	4/13/2021	WUSM RESEARCH BUILDING			
CHK		NRB			
APP		SERVICE NAME			
JOB NO.	210140	UPLVL-01 RACK			
REF.DWG.		QTY.	SHT/NO	REV	
DRAWING NO./TRACKING NO.		1	1 of 1	0	
210140-A-UPL1-4C-2					



Murphy–PFFS–SPOOL–BOM							
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
3	1	Wrot 611R CxCxC Reducing Tee					1-1/4x3/4x1
7	1	Wrot 607 90 Deg Ell CxC					1
9	1	Wrot 607 90 Deg Ell CxC					3/4
4	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	3'-3 1/8"	39.153	1
6	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'-7 3/8"	19.387	1
1	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	15'-11 15/16"	191.932	1-1/4
8	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	3 7/16"	3.468	3/4

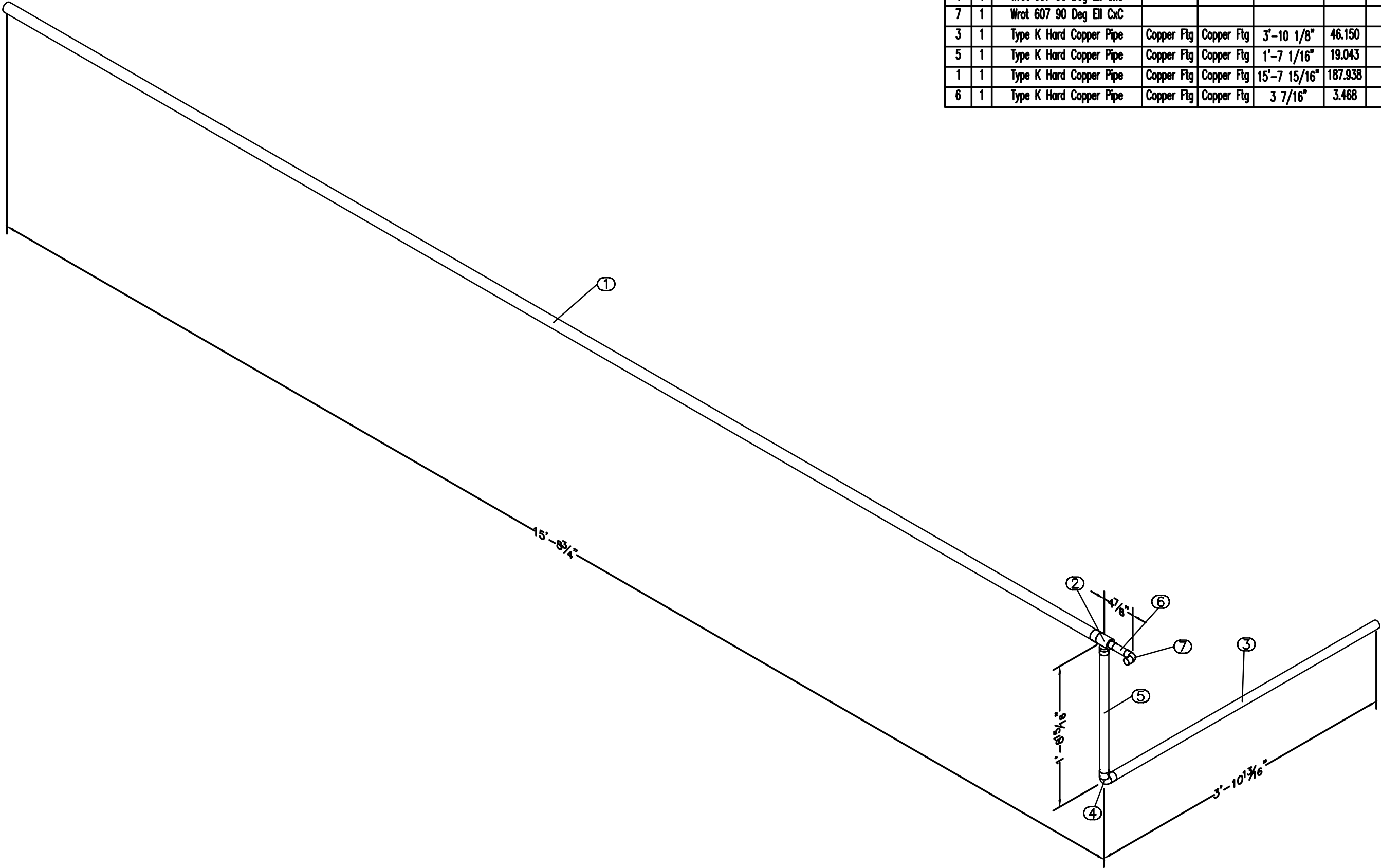
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QA/QC ACCEPT		X-RAY		ASME		HYDRO TEST	
		NA		NA		NA	
SPEC.		NA		NA		NA	
REV		DATE		PWHT		COMMENTS	
0				NA		MURPHY WPS#	
DESCRIPTION		DRN		CHK		APP	

DRN JMM		4/13/2021		WUSM RESEARCH BUILDING			
CHK				NRB			
APP				UPLVL-01 RACK			
JOB NO.		210140		SERVICE NAME			
REF.DWG.				UPLVL-01 RACK			
DRAWING NO./TRACKING NO.		210140-A-UPL1-4C-3		QTY.		REV	
		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					1-1/4x3/4x1
4	1	Wrot 607 90 Deg Ell CxC					1
7	1	Wrot 607 90 Deg Ell CxC					3/4
3	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	3'-10 1/8"	46.150	1
5	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	1'-7 1/16"	19.043	1
1	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	15'-7 15/16"	187.938	1-1/4
6	1	Type K Hard Copper Pipe	Copper Ftg	Copper Ftg	3 7/16"	3.468	3/4

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

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