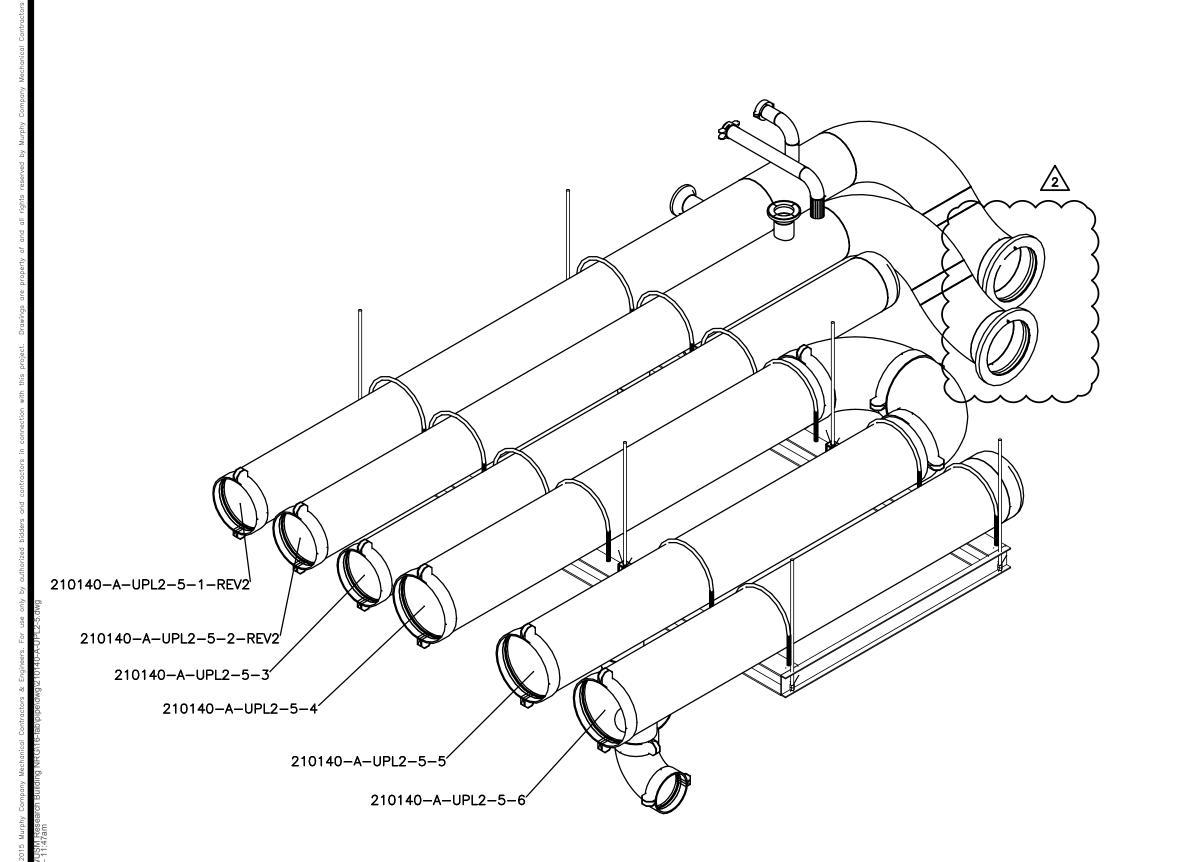


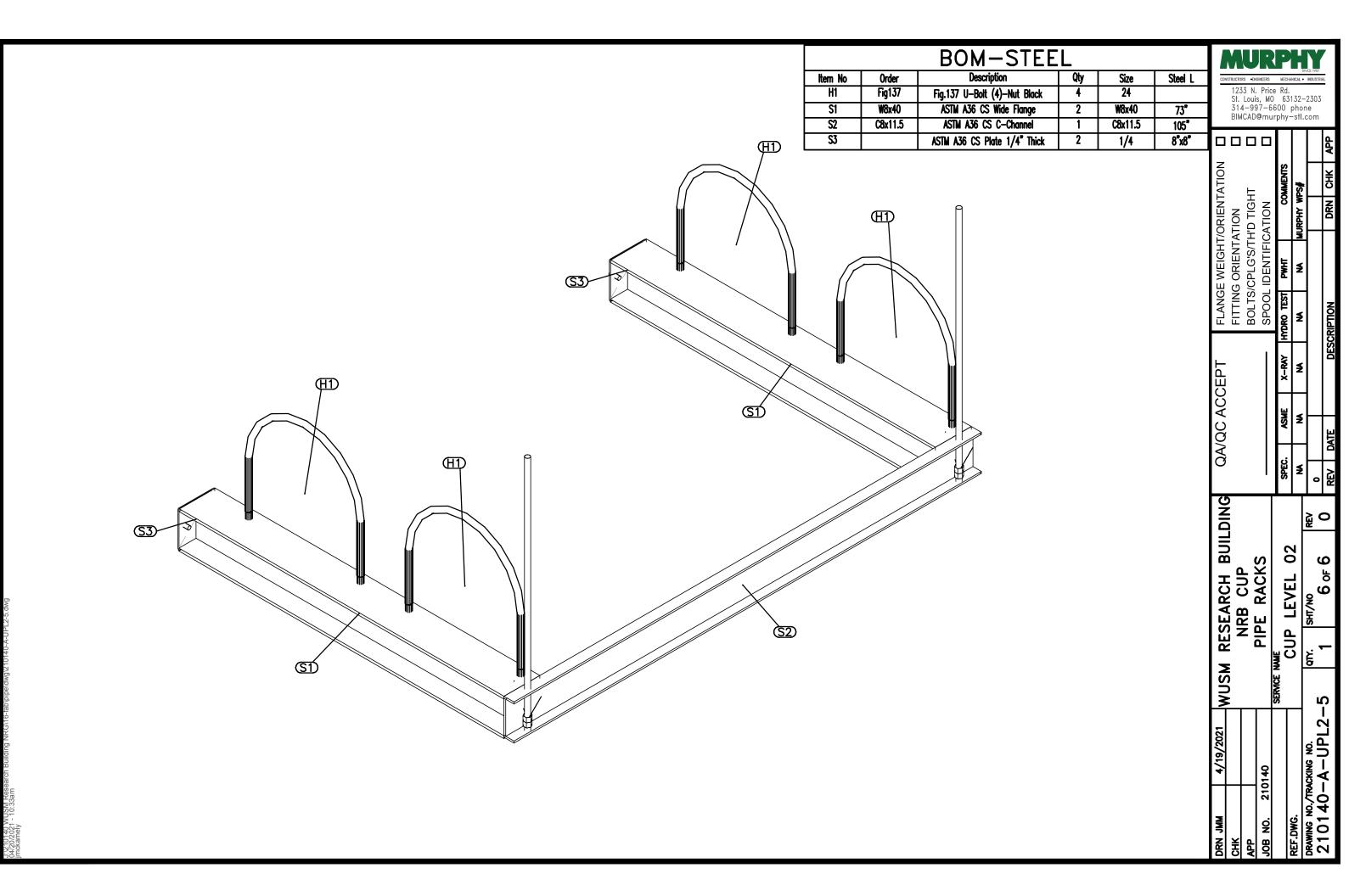
COP	123 St. 31 BIM		s, M 97-	ce 10 66	Rd 6:	1. 313: ph	2- on	2303 ie com	AL
				1					APP
ATION		⊨			COMMENTS		3		DRN CHK
FLANGE WEIGHT/ORIENTATION	NOIT	BOLTS/CPLG'S/TH'D TIGHT	ATION		ප 		MURLUI WEST		DRN
EIGHT/	FITTING ORIENTATION	G'S/TH	SPOOL IDENTIFICATION		Щ	T		6/1/21 ADDED BFV TO MAINS CHANGED PIPE	
NGE W	ING OF	TS/CPL			EST PWHT		_	CHANGE	_
FLA	F	BOL	SPC	5	X-RAY HYDRO TEST		Ž	MAINS	DESCRIPTION
ΡT					(-RAY		Š	BFV TO	DES
ACCE						+	_	ADDED	
QA/QC ACCEPT	•				ASME		\$	17/21	DATE
ð	•				SPEC.		Ž	2 6	REV
JNIC								الا ا	7
	ב ב		S			70.	ľ		<u>۔</u>
ПJC	5 0	700	*ACK		į	VEL		_	은 - -
SEAG	֡֝֝֝֜֝֝֜֝֝֓֓֓֓֓֓֓֓֓֜֝֡֓֓֓֓֡֓֓֡֓֡֓֜֝֓֡֓֡֓֡֓֡	מאפ כים	PIPE RACKS		Ĺ -	COP LEVEL		SHT/NO	
N		i	配	NAME		3		Ę. <u>`</u>	_
SI IM	2			SEDVICE NAME				Ц	ဂ
4/19/2021 WIICH BECEABCH BIIII DING								DRAWING NO./TRACKING NO.	_ 77_
4/19/			140					DRAWING NO./TRACKING NO.) V
			JOB NO. 210140			مه		\$ C \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	104-
DRN JMM	ЗНЭ	APP	JOB NO.			REF.DWG.		DRAWING 0.4.0.4	7

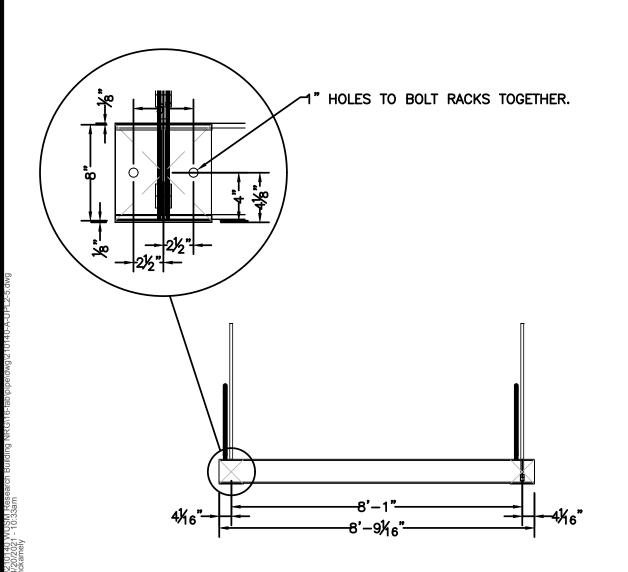


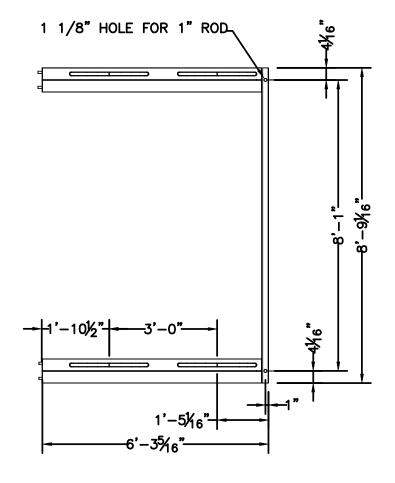
	PAI
__	Sp. CT 1007

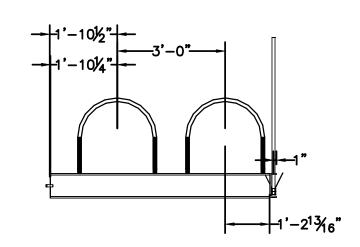
1233 N. Price Rd. St. Louis, MO 63132-2303 314-997-6600 phone BIMCAD@murphy-stl.com

4/19/2021	MOLIW		4/19/2021 WIIGW DECEADOU DIII DING	CINIC		A/QC A	OA/OC ACCEPT	FLANG	E WEIGHT/	FLANGE WEIGHT/ORIENTATION		
		7	SEANCH BOIL	2				ŽI L L L	FITTING ORIENTATION	NOI		BIN
			NKB COP					BOLTS	BOLTS/CPLG'S/TH'D TIGHT	'D TIGHT		ICAE
210140	÷	PIPE	E RACKS					SPOOL	SPOOL IDENTIFICATION	NOITA		@m
	SEDANCE MANE	١		Ī]	ur
	SERVICE NAM			_	SPEC.	ASME		X-RAY HYDRO TEST PWHT	PWHT	COMMENTS		phy
	_	ב			3	1						/-
		5			¥	¥	₹	¥	N N	MURPHY WPS#		stl
NO. /TRACKING NO.	O.	7	ON/1HS	REV		 - -						.co
40-A-11012-E	<u> </u>	•		(2	6/1/21 /	6/1/21 ADDED BFV TO MAINS CHANGED PIPE	MAINS CH	anged Pipe			m
40-A-0r LZ-	_ ၁	_	Z 0F 0	7	REV DATE	DATE	DES	DESCRIPTION		DRN CHK APP	APP	







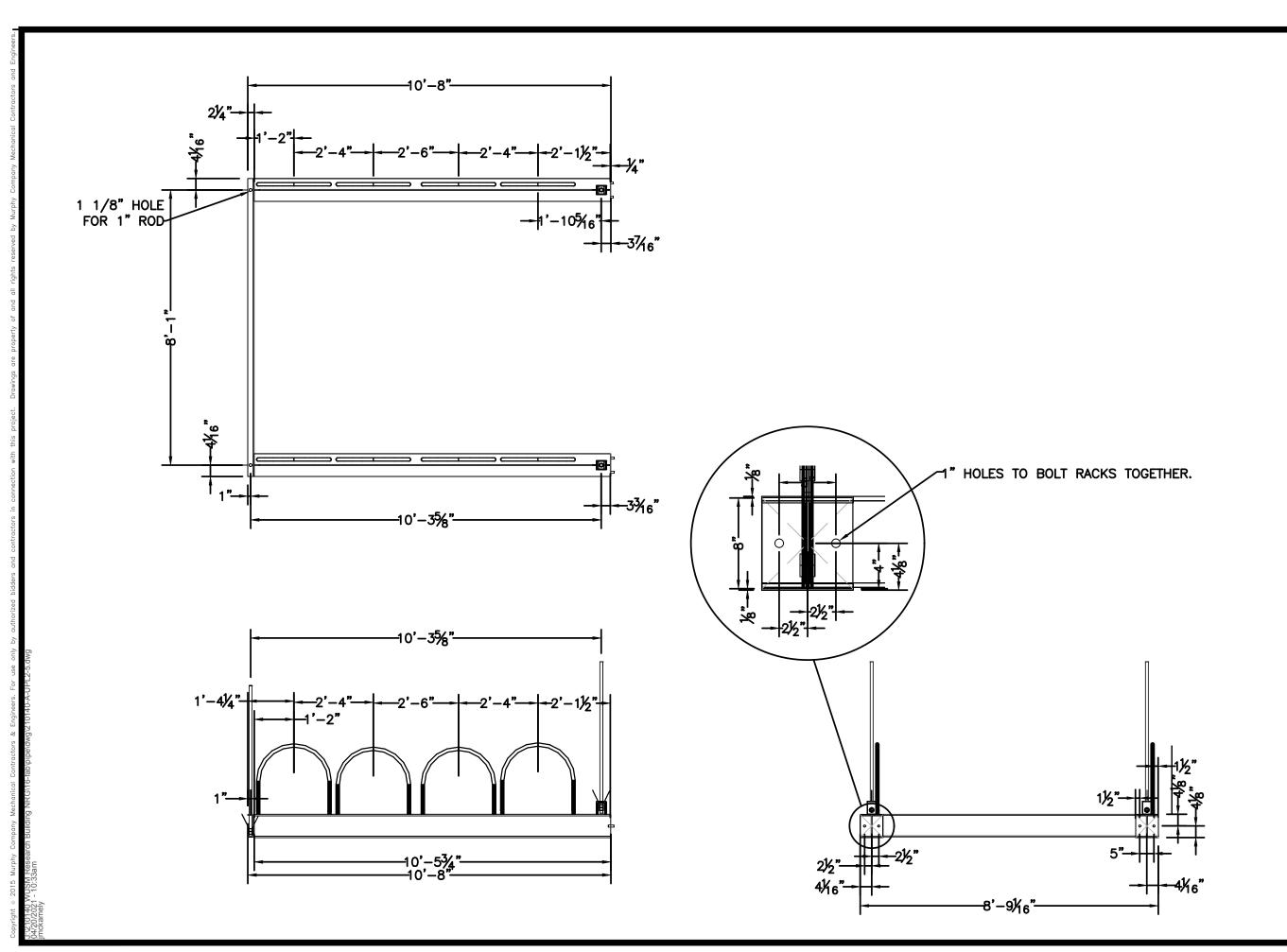


		7
/ / / /		 7
/	~	
	- ()	
	__	

CONSTRUCTORS • ENGINEERS MECHANICAL • INDUSTRIAL

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

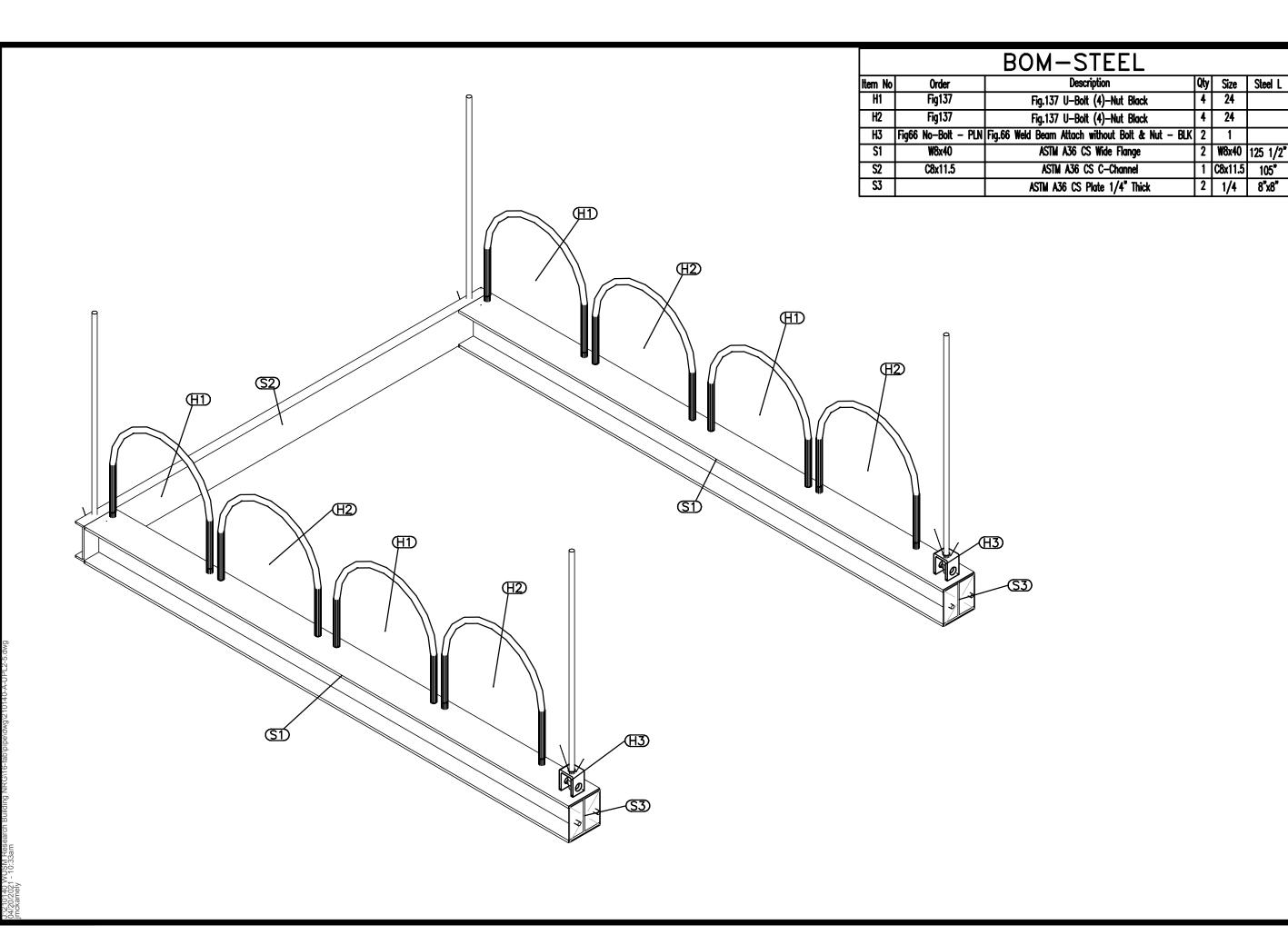
MOITA
FLANGE WEIGHT/ORIENTATION
INDIAN IN
<u>-</u>
2011
VIIVA BEAFARATE BIII D
4/19/2021 WIISM RESEARCH BIIII DING



CONSTRUCTORS *CHGINEERS MECHANICAL • INDUSTRIAL

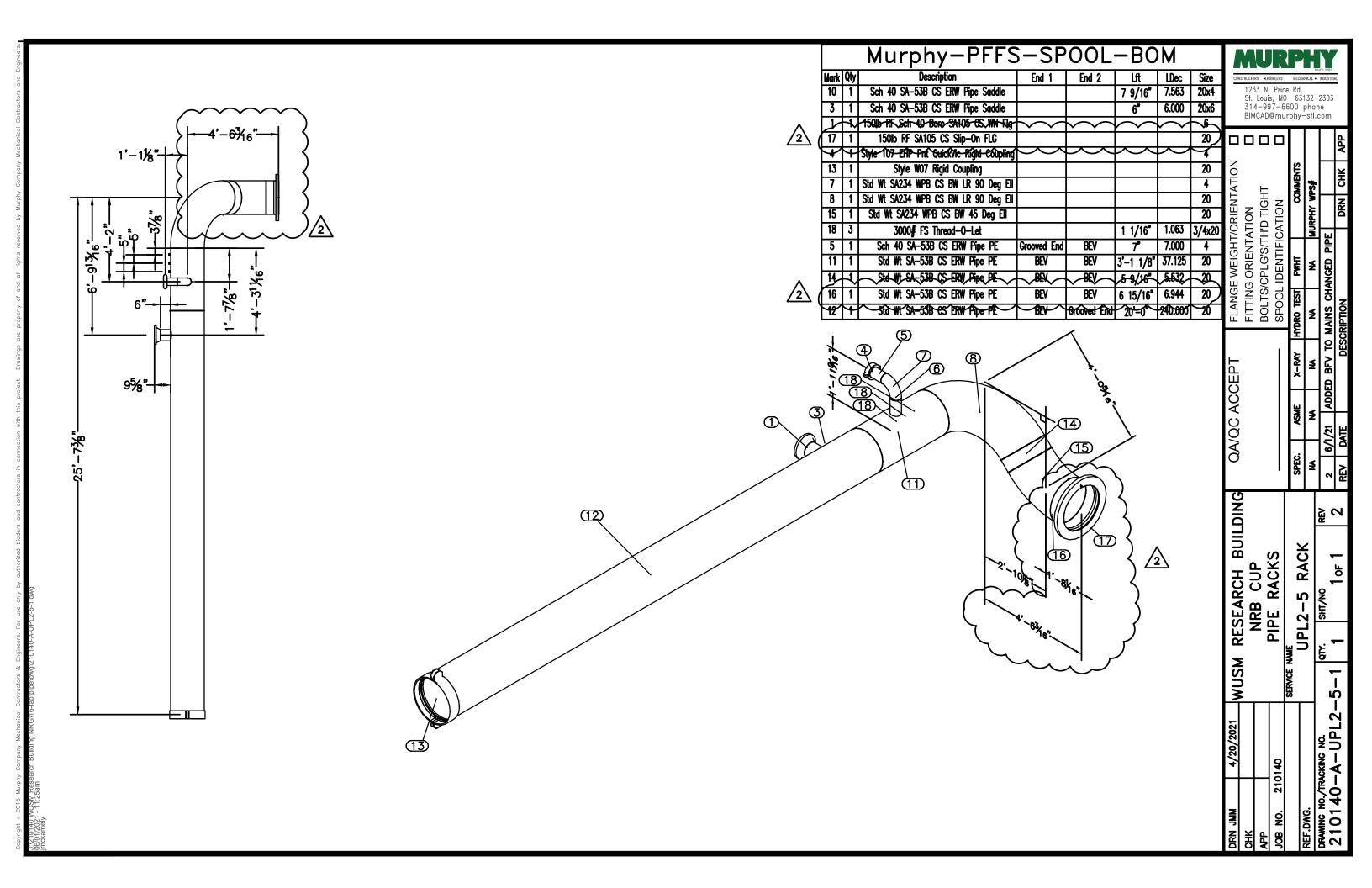
1233 N. Price Rd.
St. Louis, MO 63132-2303
314-997-6600 phone
BIMCAD@murphy-stl.com

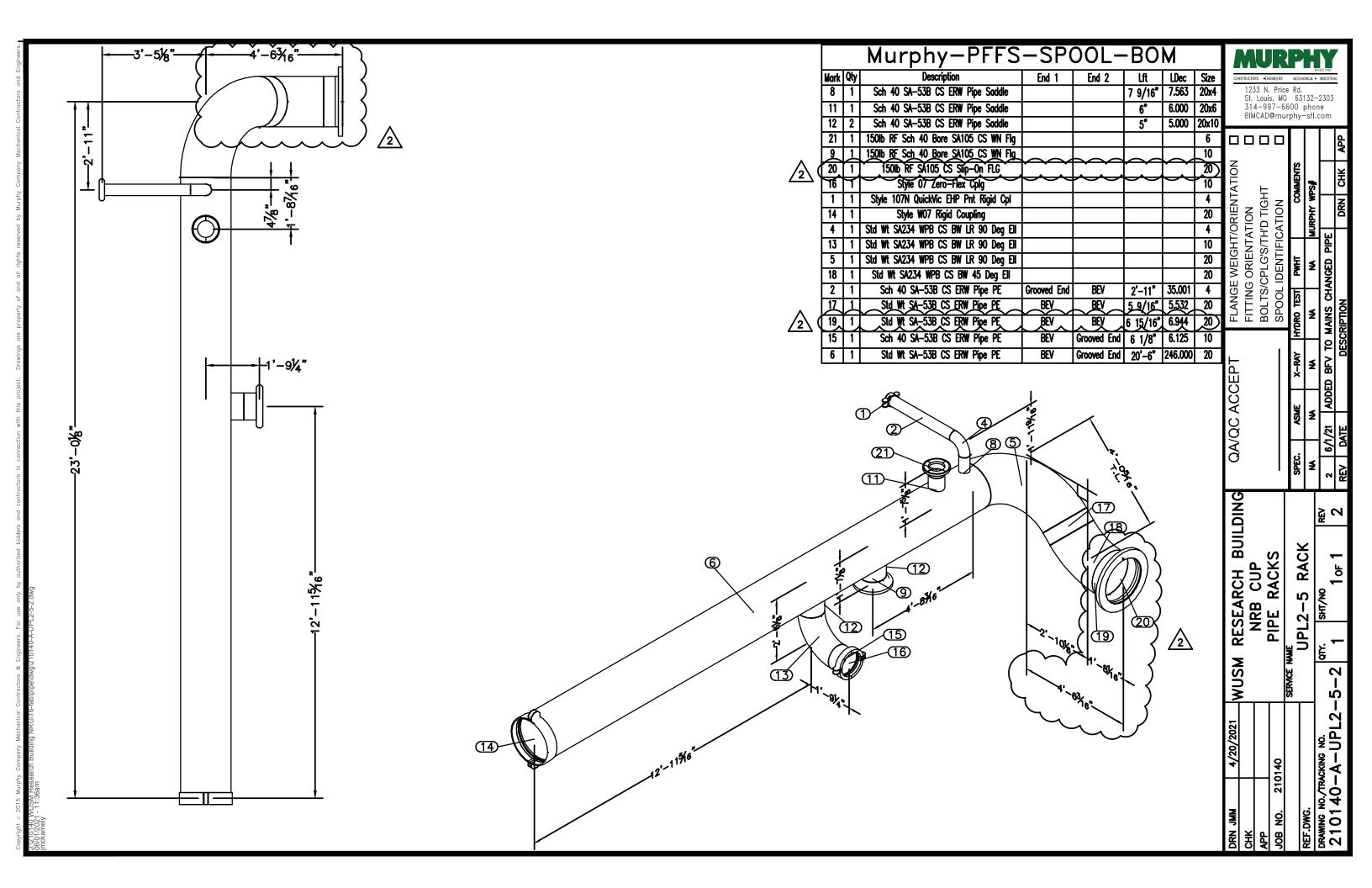
3	19/2021 WIICM DECEAD	MISN D	CHAPCH DING	ZINIC	OA/C	OA/OC ACCEPT	FPT	FLANG	E WEIGHT	FLANGE WEIGHT/ORIENTATION			
		N SON	ESEANCH BOIL	5) ; })	İ	FITTIN	FITTING ORIENTATION	ATION			123 St. 31
			NKB COP					BOLTS/	/CPLG'S/T	BOLTS/CPLG'S/TH'D TIGHT			Loui
210	210140	a.	PIPE RACKS					SPOOL	SPOOL IDENTIFICATION	NOITA			s, M 97-
		SEDANCE NAME						000				1	10 66
		SERVICE NAME		L ^S	SPEC.	ASME	X-RAY	X-RAY HYDRO TEST	PWHT	COMIN	COMMENTS	PII)	6.
		<u>つ</u>	COP LEVEL 02	1	1							T	313 p
,					<u> </u>	≨	≨	≨	≨	MURPHY WPS#		511.	hor
NO./TRA	NO./TRACKING NO.	<u>م</u> ج.	SHT/NO	REV O	L	_							
	40-4-IIPI 2-5	ر -	7 2. 6	<u>'</u>	1						1	7	
2	7 10 4	- -	0 to C		REV DATE	E	DESC	DESCRIPTION		DRN	DRN CHK APP	ď	



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

			֓֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜									1
		•							エコンコ ロン・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン・コン			
	_								2 / 0 0 / 1]
		=	PE KACKS							H		ב
		•						2007	SECOL IDENTIFICATION	AION]
	SEPANCE NAME	IAME										
					SPEC.	_	ASME X-RAY HYDRO TEST PWHT	HYDRO TEST	PWHT	COMIN	COMMENTS	
		ב				-						
		5			Ą	¥	W	Ą	NA N	AN MPS#	-	
					:							
ġ	_	ď.	SHI/NO	REV	-							
_ 	Ľ	•	7		•							
コープコーコ	_ ว		4 of o	_ >	7110	DATE:	010	INCITO COSTO		DON VHV NOV	, YL	QQV
		,		_	- -	_					_	-

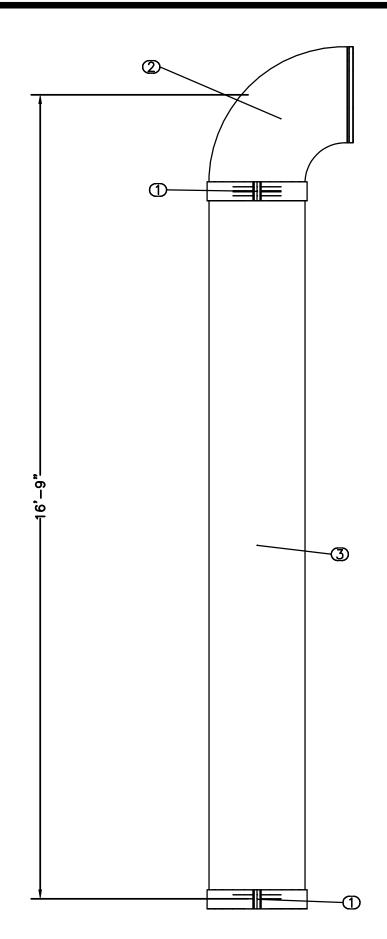




		Murphy-PFFS-	-SPOC)L-	-BC	M	
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size
5	1	Sch 40 SA-53B CS ERW Pipe Saddle			5"	5.000	20x10
4	1	150lb RF Sch 40 Bore SA105 CS WN Flg					10
7	1	Style W07 Rigid Coupling					20
1	1	Std Wt SA234 WPB CS BW Cap					20
6	1	Std Wt SA-53B CS ERW Pipe PE	Grooved End	BEV	19'-6"	234.000	20

MUSM RESEARCH BUILDING NRB CUP SERVICE NAME SERVICE NAME UPL2-5-RACK OT. SHT/NO OT.	MUSM RESEARCH BUILDING REVERSE CUP PIPE RACKS SERVICE NAME SERVICE NAME SERVICE NAME SERVICE NAME NA NA NA NA NAMERHY MISS OTT. SHT/NO OTT. SHT/NO REV OTE OTT. SHT/NO OTT. SHT														4	0	٦
NRB CUP PIPE RACKS WE UPL2—5 RACK OT: SHIT/NO OT: DESCRIPTION OT: SHIT/NO OT: DESCRIPTION OT: DESCRIPTION OT: SHIT/NO OT: DESCRIPTION OT: DESCRIPTIO	NRB CUP PIPE RACKS PIPE RACKS SPEC. ASME X-RAY HYDRO TEST PWHT COMMENTS OTT. SHT/NO OTT.	4/20/20	121	MICA) DE	SEARCH BIIII	SNIC	QA	/QC ACC	EPT	FLANG	E WEIGHT,	/ORIENT	ATION		СОН	
PIPE RACKS PIPE RACKS WANTE UPL2—5 RACK OTT. SHT/NO OTT. DESCRIPTION OTT. DESCR	PIPE RACKS PIPE RACKS WINDER COLTS/CPLG/S/TH'D TIGHT SPEC. ASME X-RAY HYDRO TEST PWHT COMMENTS OTHER COLTS/CPLG/S/TH'D TIGHT SPEC. ASME X-RAY HYDRO TEST PWHT COMMENTS OTHER COMMENTS OTHER COMMENTS OTHER COMMENTS SPEC. ASME X-RAY HYDRO TEST PWHT COMMENTS OTHER				i 4 1	מוט מיוט מטו					FITTIN	3 ORIENT	VOIT			St. 31	V
SERVICE NAME SERVICE NAME UPL2—5 RACK OTT. SHT/NO OTT	SERVICE NAME NA NA NA NA NA NA NA N				- :	מאם כסר					BOLTS/	CPLG'S/TH	4'D TIGH	⊨		Loui 4–99	
SERVICE NAME UPL2—5 RACK NA NA NA NA NA NURPHY WPS# UL2—5—3 1 1 1 0 1 0 REV DATE SERVICE NAME NA NA NA NURPHY WPS# DESCRIPTION D	SERVICE NAME UPL2—5 RACK NA NA NA NA NURPHY WPS# OTT. SHT/NO OTT.	JOB NO. 210140			₹	'E KACKS					SPOOL	DENTIFIC	NOITA		Г	s, M 97-	
UPL2-5-3 1 1 1 of 1 0 REV OATE X-RAY HYDRO TEST PWHT COMMENTS NA NA NA NA MURPHY WPS# NA NA NA MURPHY WPS# NA NA NA MURPHY WPS# DESCRIPTION DATE DESCRIPTION DRN CHK	The comments of the comments o			CEDANCE	MAME							i]	0 66	
UPLZ—5 KACK NA NA NA NA MURPHY WPS#	UPL2-5 KACK			SENICE		1		SPEC.	ASIME	X-RAY	HYDRO TEST	PWHT	8	MMENTS		Rd 63	
VL2-5-3 1 1 1 1 0 REV DATE DESCRIPTION CHK	OTT. SHIT/NO REV 0 REV 0 REV DATE DESCRIPTION ORN NA MURPHY WPS#				7	Z-5 KACK	•								I	313 p	V
any. Shri/No Rev o Description Driving CHK	TOF 1 OF 1 DESCRIPTION OF REV DATE DESCRIPTION DRN CHK APP				;	;		¥	≨	≨	≨	<u>-</u>	AURPHY WE	1 5		32- ho	U
T OF T OF T OF T OF THE DESCRIPTION DESCRIPTION	TOF TOF TOF TOTAL DESCRIPTION DRN CHK APP	DRAWING NO./TRACKING NO.	5	1	<u>۾</u> '-		<u>ج</u>	•								-2303 ne	V
		-A-Ur	, [7.	-D-5	1	lor l	0	_	ATE	DES	CRIPTION		DRN	CH H	APP	-	7

	- 19'−6"	-
	6	
The state of the s		7
1,- 7%	5	
	3'-8 ³ / ₆ "	

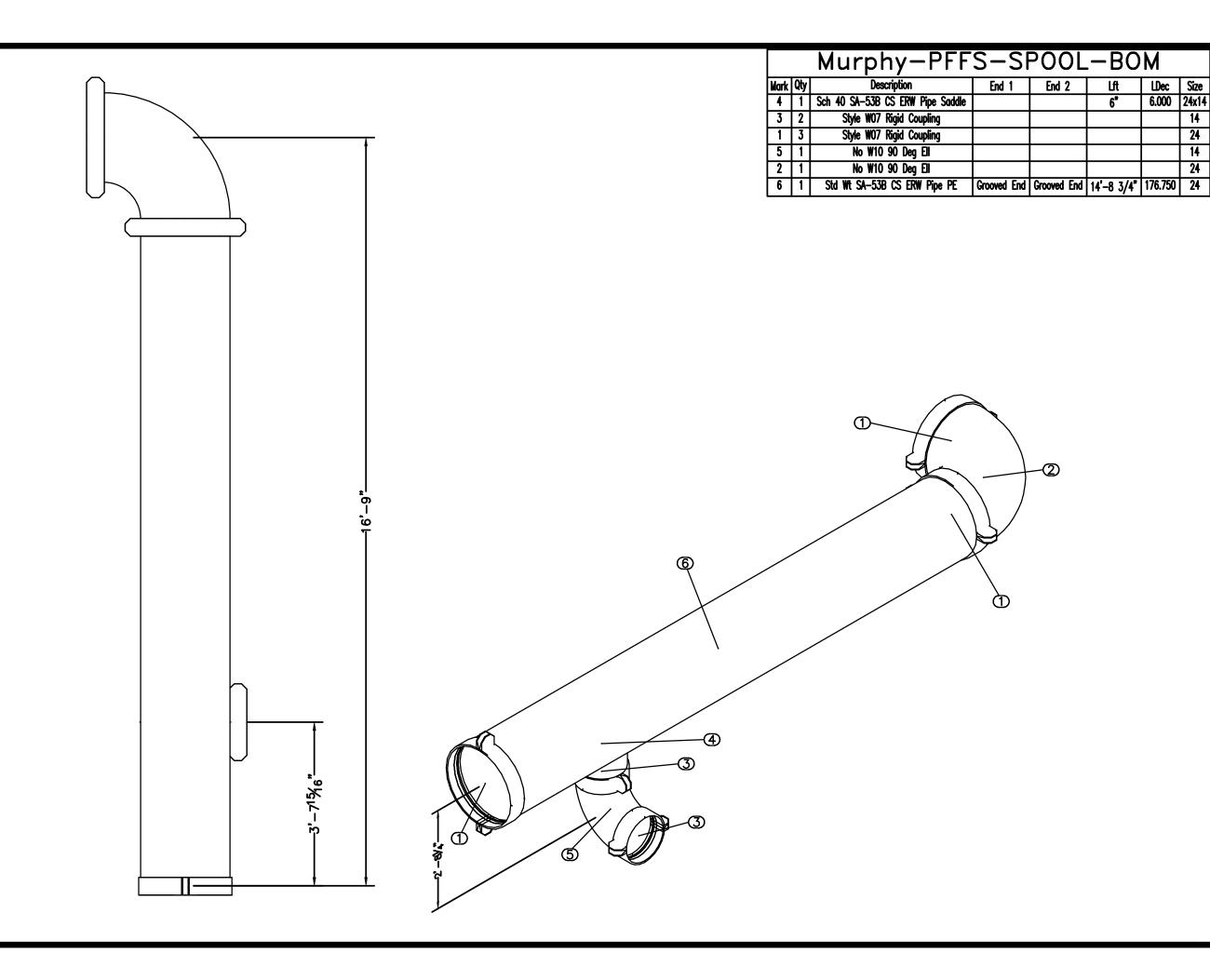


		Murphy-PFF	S-S	POOL	-B0	М		
Mark	Qty	Description	End 1	End 2	Lft	LDec	Size	
1	2	Style W07 Rigid Coupling					24	l
2	1	No W10 90 Deg Ell					24	l
3	1	Std Wt SA-53B CS ERW Pipe PE	Grooved End	Grooved End	14'-8 3/4"	176.750	24	L

CONSTRUCTORS CHARMERS MECHANICAL MIDUSTRIAL

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

4/20/2021	MICI	WIICH DE	SEADOU DINONG		OA/OC	QA/QC ACCEPT	FLANG	E WEIGHT	FLANGE WEIGHT/ORIENTATION	
		֓֞֝֞֝֞֞֞֞֝֞֝֓֞֝֓֓֓֓֓֓֓֓֓֓֓֓֓֡ ֓֡֡֡֡֡֡֡֡֡֓֓֓֞֞֡֓֡֓֞֞֩֞֞֞֞֡	SEANCH BOIL) { }		FITTIN	FITTING ORIENTATION	ATION	
			ARB COP				BOLTS	BOLTS/CPLG'S/TH'D TIGHT	H'D TIGHT	
ç		₫	PE RACKS	_			0000	SPOOL IDENTIFICATION	MOITA	
		2000						יווווייים.	אוסוועי]
	SERVICE NAME	9	1	S	SPEC. ASI	ASME X-RAY	X-RAY HYDRO TEST PWHT	PWHT	COMMENTS	
		1	7 T Y Y Y		-					
		5	1021 0 7	MA	_	AN .	W.	¥	MURPHY WPS#	
ON CINI		A	CLT /NO	١						
	7	. `	•	0						
,-OFL2-3-4	4-C-	_	I OF I	O REV	REV DATE	SECTION NAME OF COMMENT	DESCRIPTION		DRN CHK APP	APP



CONSTRUCTORS •ENGINEERS MECHANICAL • INDUSTRIA

24

24

QA/QC ACCEPT

1233 N. Price Rd.
St. Louis, M0 63132-2303
314-997-6600 phone
BIMCAD@murphy-stl.com

FLANGE WEIGHT/ORIENTATION FITTING ORIENTATION BOLTS/CPLG'S/TH'D TIGHT SPOOL IDENTIFICATION

I RESEARCH BUILDING NRB CUP PIPE RACKS <u>ن</u> و 1 or 1

SERVICE NAME
UPL2-5 RACK
lanv. | SHT/NO 1 WOSM

2 Ŋ REF.DWG.
DRAWING NO./TRACKING NO.
210140—A—UPL2—

