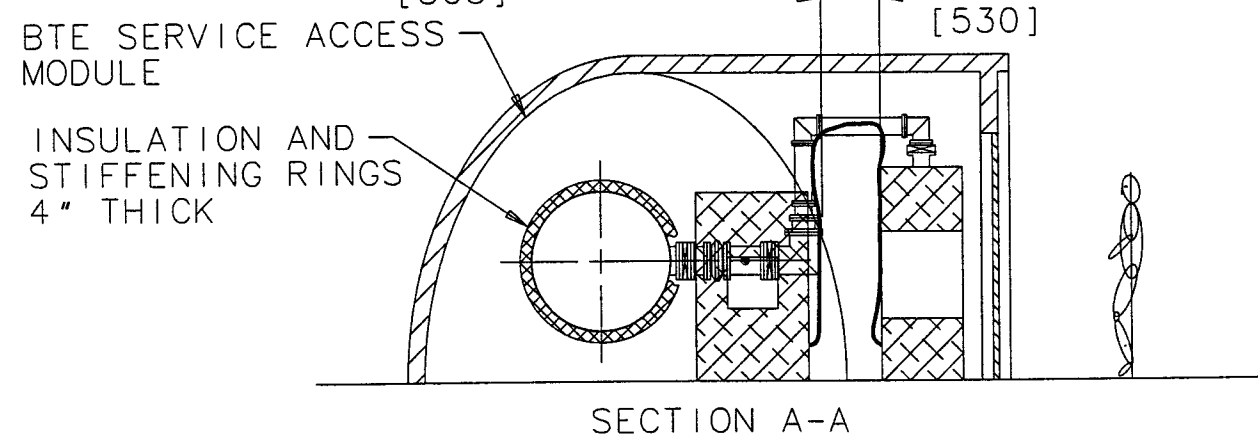
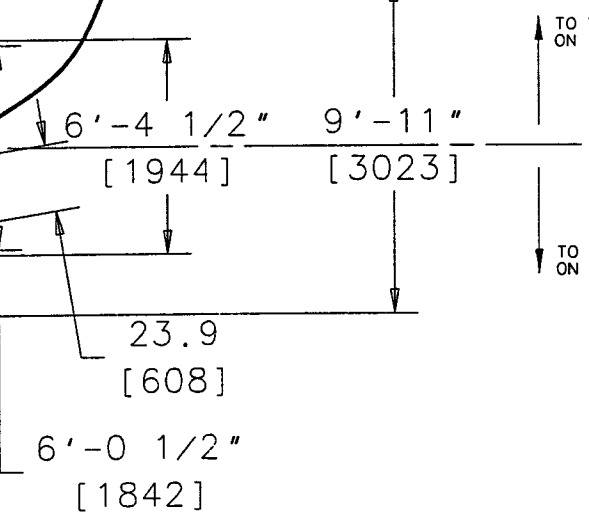
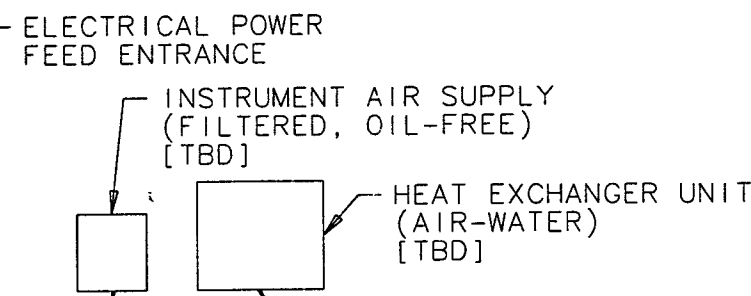
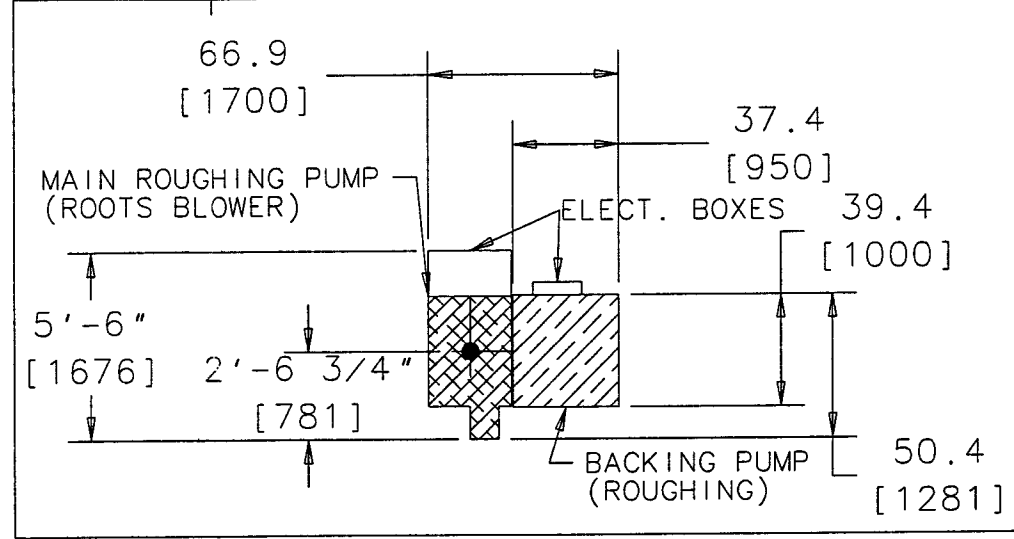
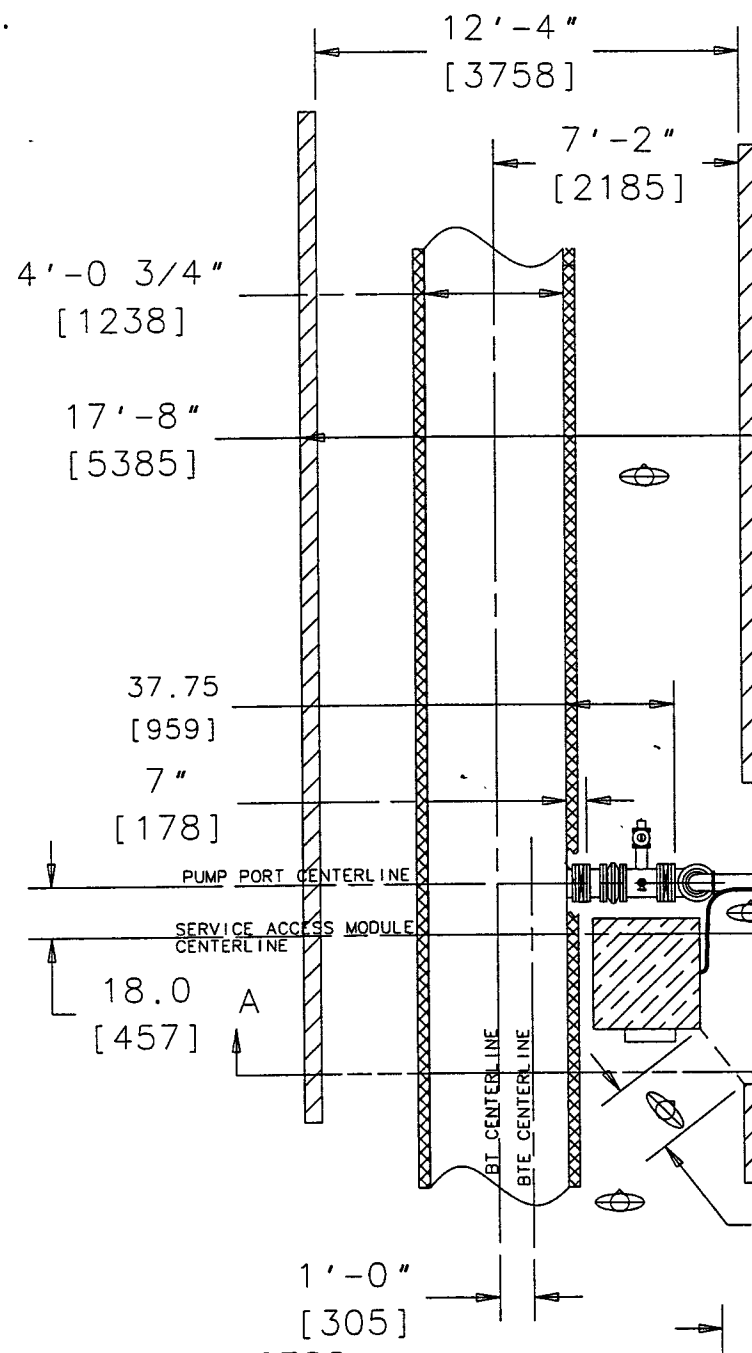


NOTES: (UNLESS OTHERWISE SPECIFIED)

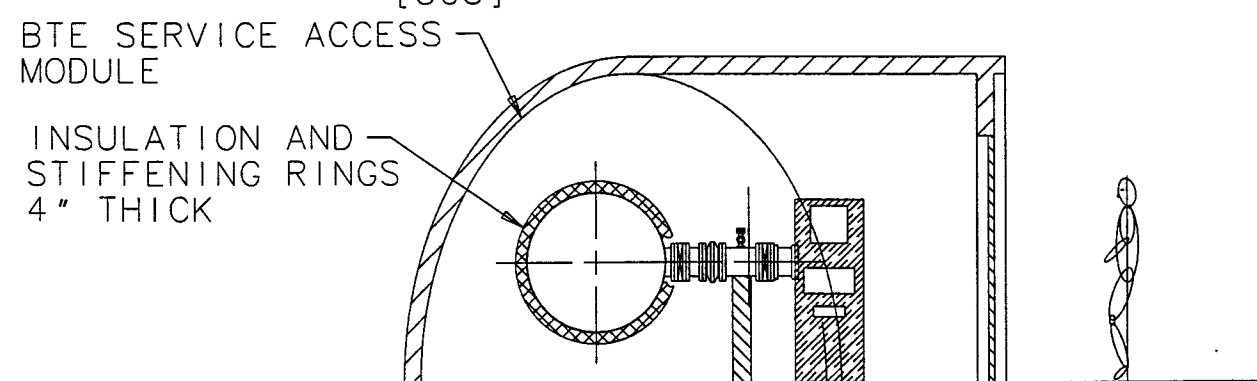
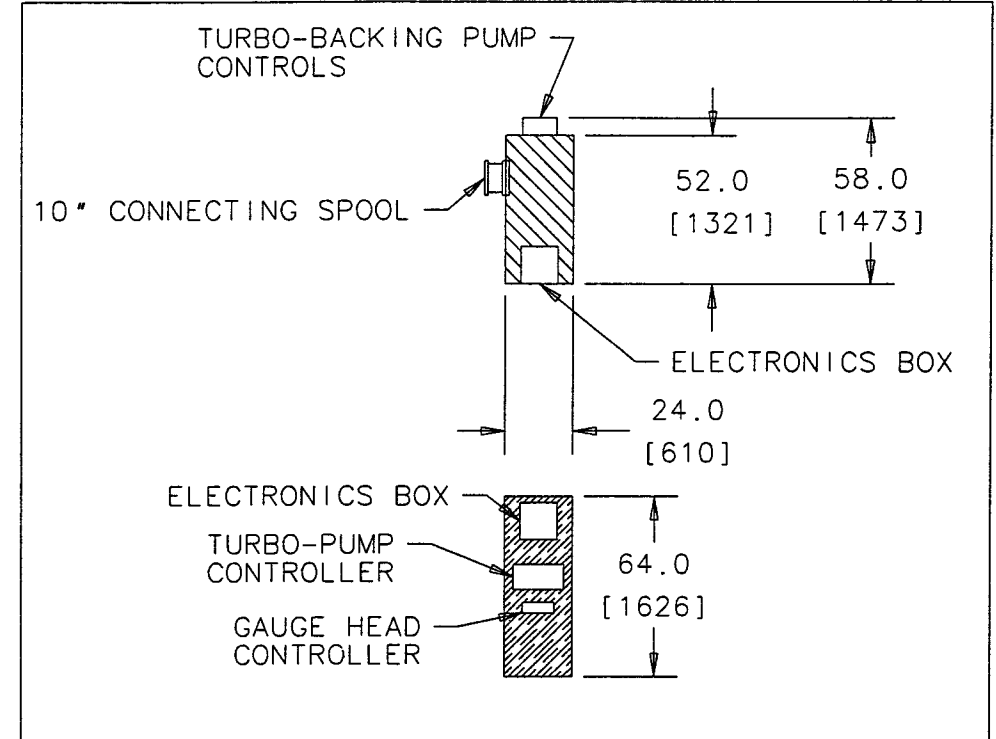
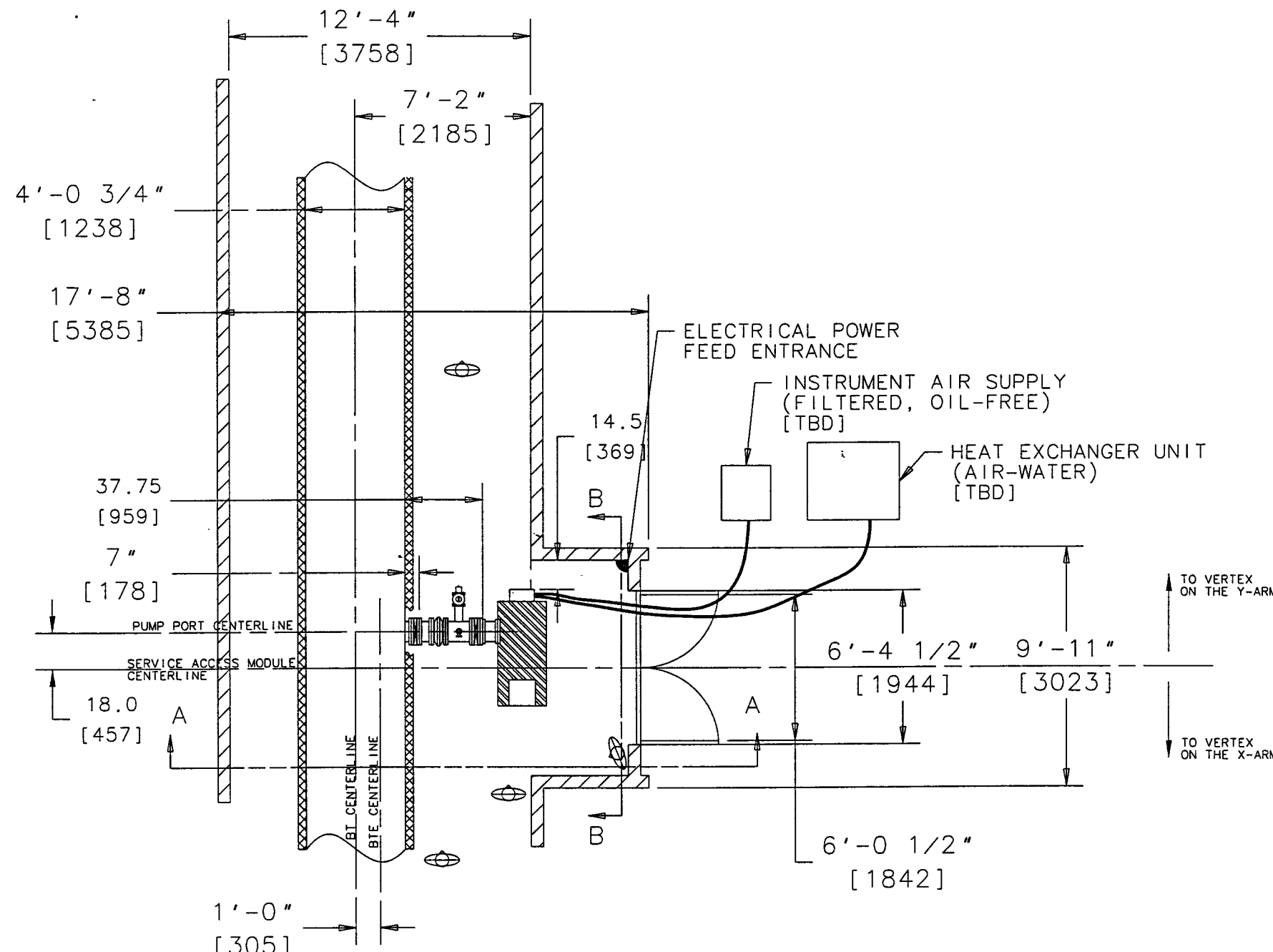
REV	DESCRIPTION OF CHANGE	APPROVAL	DATE



QTY	RECD	FSCM NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO
PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN IN [mm] TOLERANCES ARE: FRACTIONS DECIMALS				APPROVALS	DATE	LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY TITLE BTE - PUMP CART LAYOUT: ROUGHING PUMP SYSTEM
DO NOT SCALE DRAWING			DRAWN D. Coyne CHECKED A. Lazzarini M. Coles F. Asiri J. Worden L. Jones	GROUP Systems Systems Facilities Civil Cons. Vacuum Eqp. Beam Tube	3/1/96	
MATERIAL	FINISH	SCALE	FILENAME ~coyne/dwgs/D960041_BTE_pump_layout.ase	SIZE B	DWG NO. D960041-00-E	
SHEET 1 OF 6						

NOTES: (UNLESS OTHERWISE SPECIFIED)

REV	DESCRIPTION OF CHANGE	APPROVAL	DATE

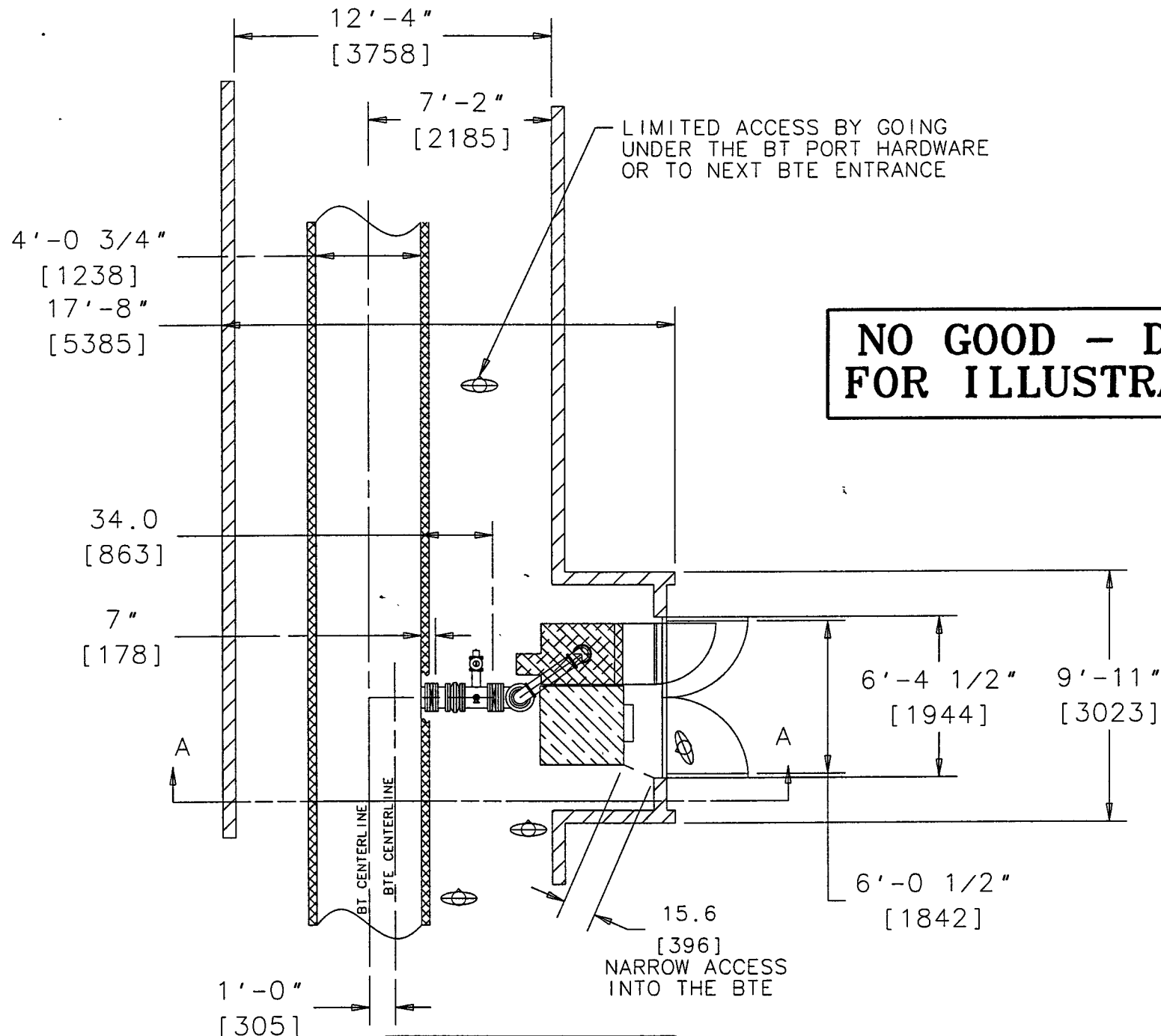


SECTION A-A

QTY REQD	FSCM NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN IN (MM) TOLERANCES ARE: FRACTIONS DECIMALS			APPROVALS		DATE
DO NOT SCALE DRAWING			DRAWN D. Coyne	GROUP Systems	3/1/96
MATERIAL			CHECKED A. Lazzarini	Systems	
FINISH			M. Coles	Facilities	
SCALE			F. Asiri	Civil Const.	
			J. Worden	Vacuum Eqpt.	
			L. Jones	Beam Tube	
			FILENAME	~coyne/dwgs/D960041_BTE_pump_layout.asc	
			LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
			TITLE		BTE - PUMP CART LAYOUT: TURBO-PUMP CART
			SIZE	DWG NO.	REV
			B	D960041-00-E	00
			SHEET 2 OF 6		

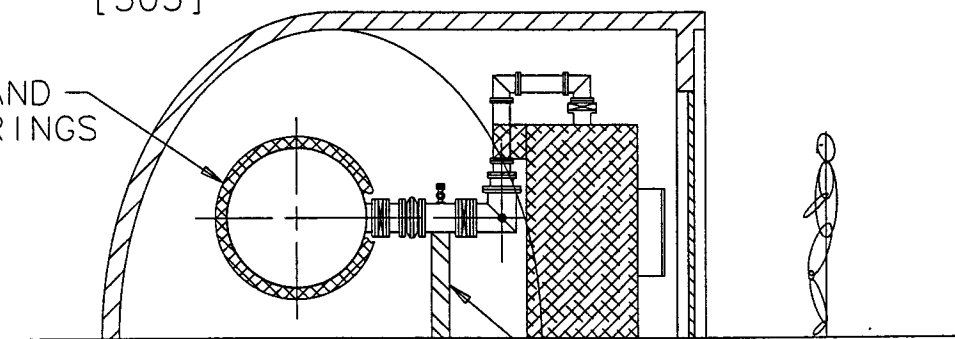
NOTES: (UNLESS OTHERWISE SPECIFIED)

REV	DESCRIPTION OF CHANGE	APPROVAL	DATE



NO GOOD - DO NOT USE FOR ILLUSTRATION ONLY

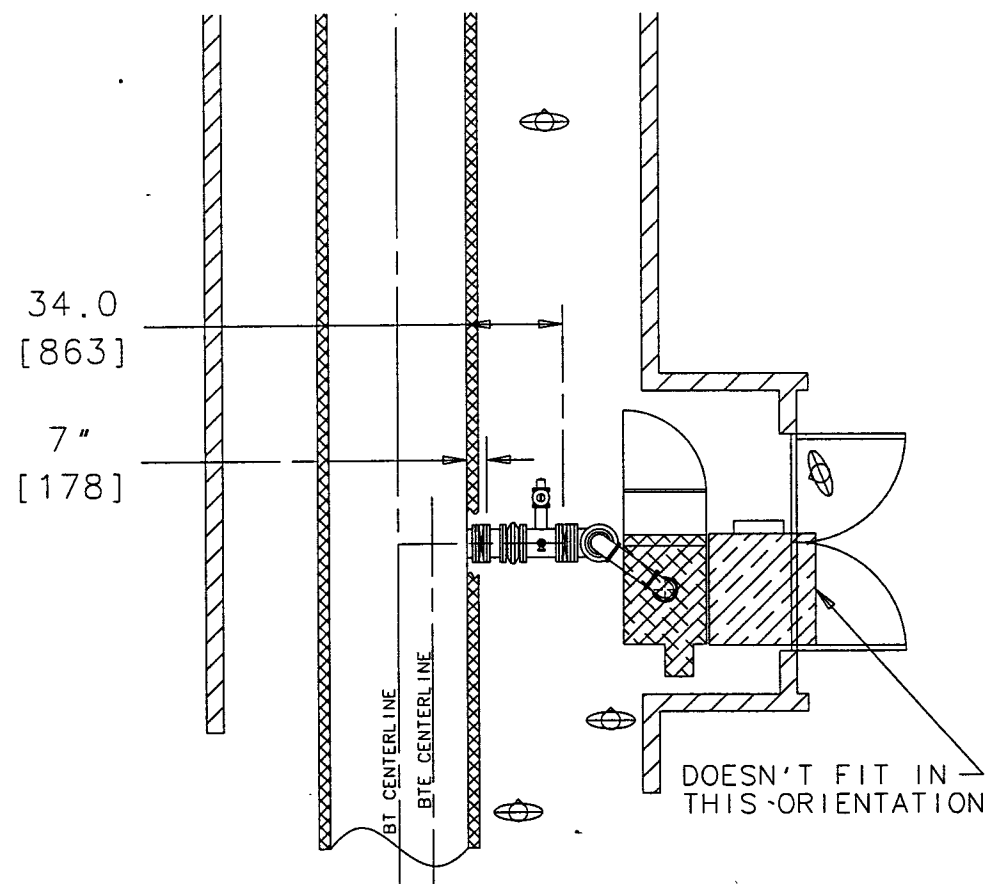
INSULATION AND STIFFENING RINGS 4" THICK



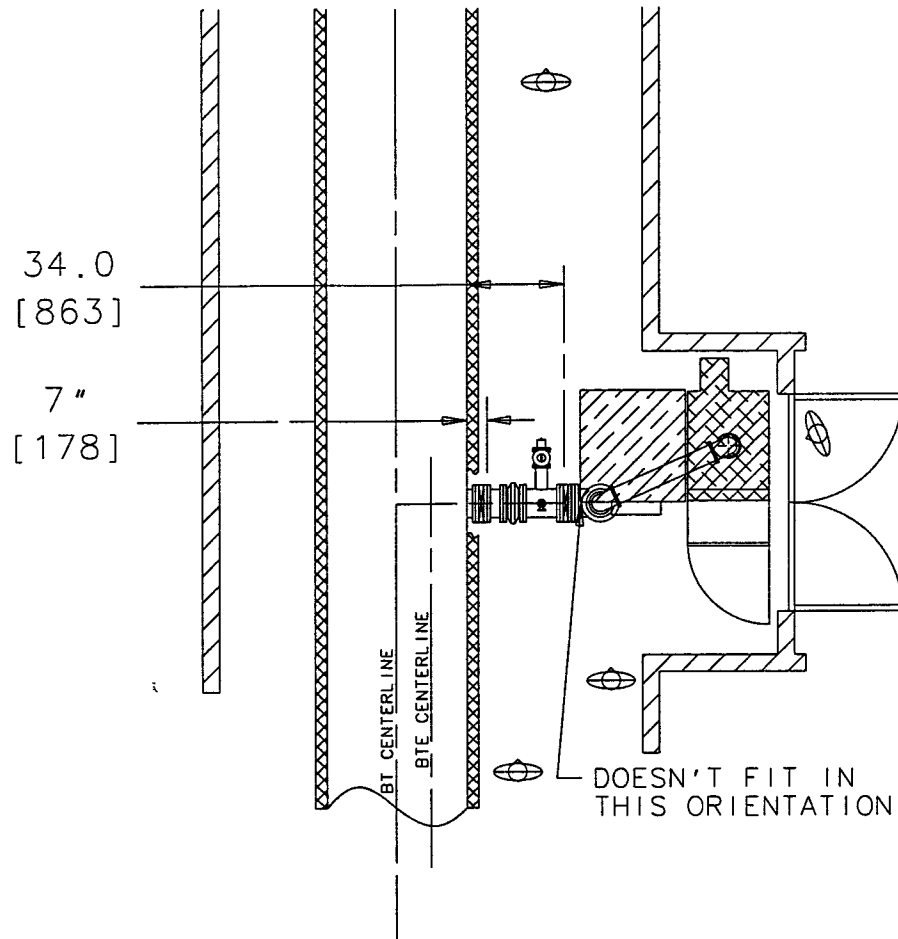
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PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN IN (MM) TOLERANCES ARE FRACTIONS DECIMALS			APPROVALS		DATE
DO NOT SCALE DRAWING			DRAWN D. Coyne GROUP Systems		3/1/96
MATERIAL			CHECKED A. Lazzarini Systems		
FINISH			M. Coles Facilities		
SCALE			F. Asiri Civil Cons.		
			J. Worden Vacuum Eqp.		
			L. Jones Beam Tube		
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LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY				TITLE BTE - PUMP CART LAYOUT: - PUMP PORT ON CENTERLINE - CLOSELY COUPLED MAIN & BACKING CARTS	
				SIZE B	REV 00
				DWG NO. D960041-00-E	
				SHEET 3 OF 6	

NOTES: (UNLESS OTHERWISE SPECIFIED)

REV	DESCRIPTION OF CHANGE	APPROVAL	DATE

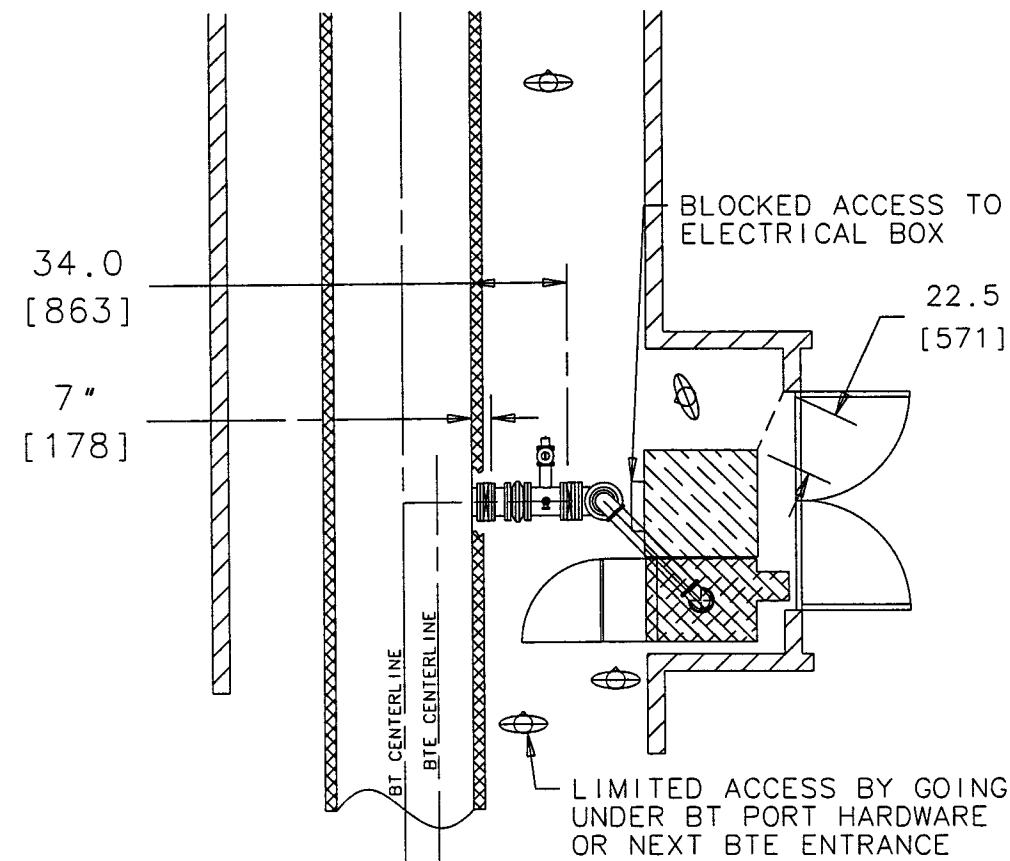


DOESN'T FIT IN THIS ORIENTATION



DOESN'T FIT IN THIS ORIENTATION

NO GOOD - DO NOT USE FOR ILLUSTRATION ONLY



BLOCKED ACCESS TO ELECTRICAL BOX

LIMITED ACCESS BY GOING UNDER BT PORT HARDWARE OR NEXT BTE ENTRANCE

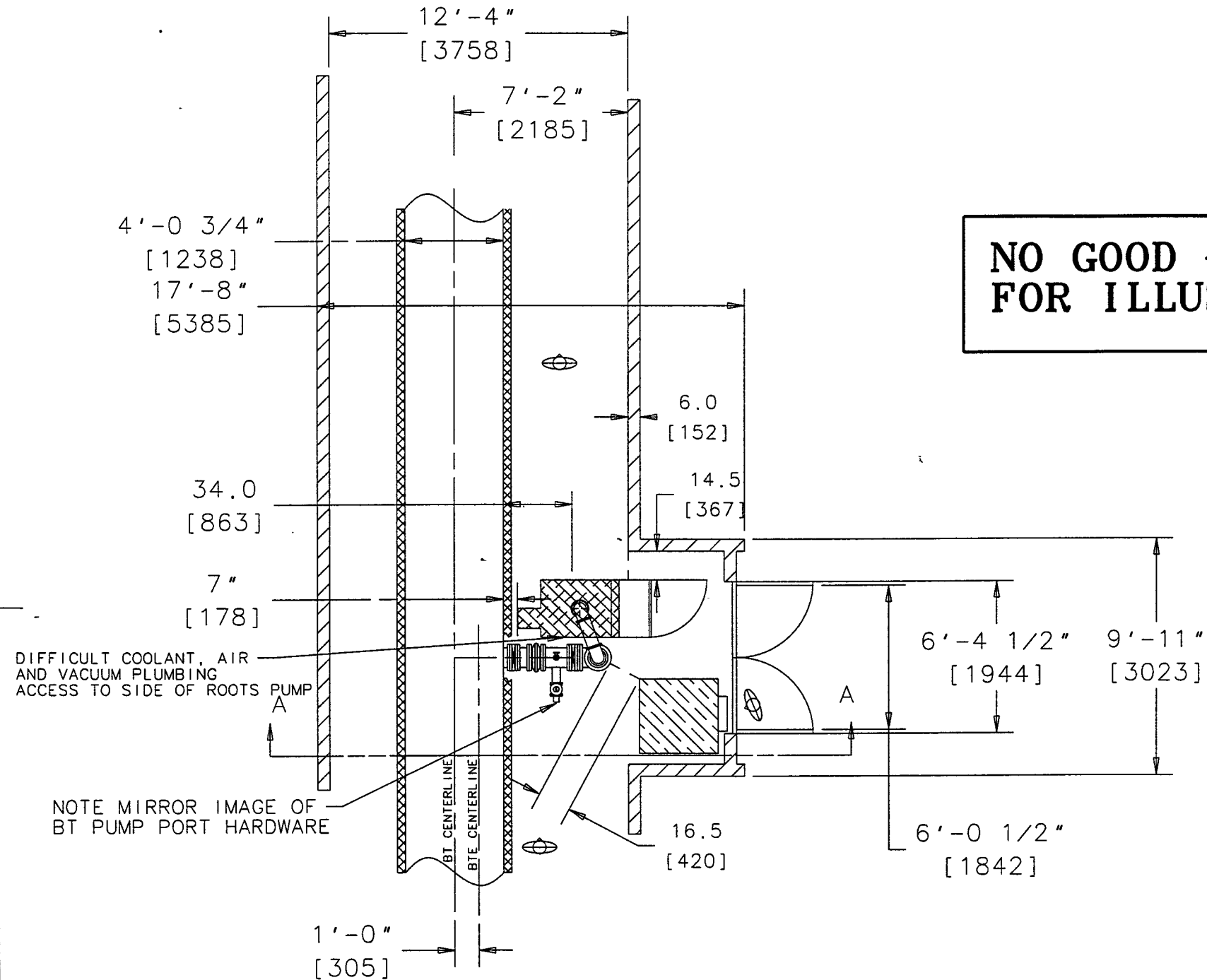
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PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN in (mm) TOLERANCES ARE: FRACTIONS DECIMALS		APPROVALS		DATE	LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY TITLE BTE - PUMP CART LAYOUT: - PUMP PORT ON CENTERLINE - CLOSELY COUPLED MAIN & BACKING CARTS
DRAWN	D. Coyne	GROUP	Systems	3/1/96	
CHECKED	A. Lazzarini	Systems	Facilities		
DO NOT SCALE DRAWING		F. Asiri	Civil Cons.		
MATERIAL	J. Worden	Vacuum Eapl.			SIZE
FINISH	L. Jones	Beam Tube			DWG NO.
SCALE	FILENAME -coyne/dwgs/D960041_BTE_pump_layout.esc				D960041-00-E
					REV
					00
					SHEET 4 OF 6

NOTES: (UNLESS OTHERWISE SPECIFIED)

REV	DESCRIPTION OF CHANGE	APPROVAL	DATE



NO GOOD - DO NOT USE FOR ILLUSTRATION ONLY

QTY REQD	FSCM NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN in (mm) TOLERANCES ARE: FRACTIONS DECIMALS		APPROVALS		DATE	TITLE
DRAWN D. Coyne	GROUP Systems			3/1/96	
CHECKED A. Lazzarini	Facilities				
DO NOT SCALE DRAWING		F. Asiri	Civil Cons.		SIZE
MATERIAL		J. Worden	Vacuum Eqp.		DWG NO.
FINISH		L. Jones	Beam Tube		D960041-00-E
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					SHEET 6 OF 6