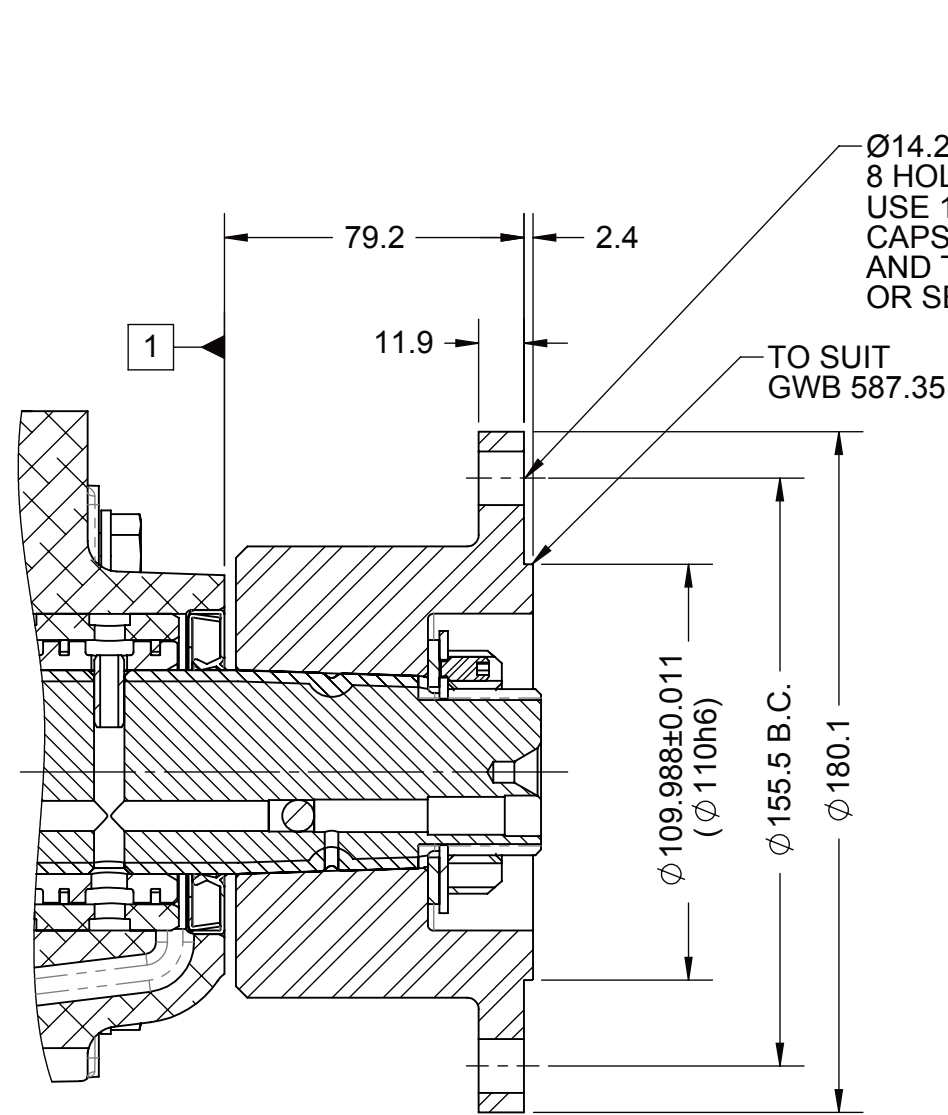


- 1 INPUT GROUP REFERENCE PLANE
2 REAR MOUNTING BRACKET FACE
3 LEFT MOUNTING BRACKET FACE
4 RIGHT MOUNTING BRACKET FACE

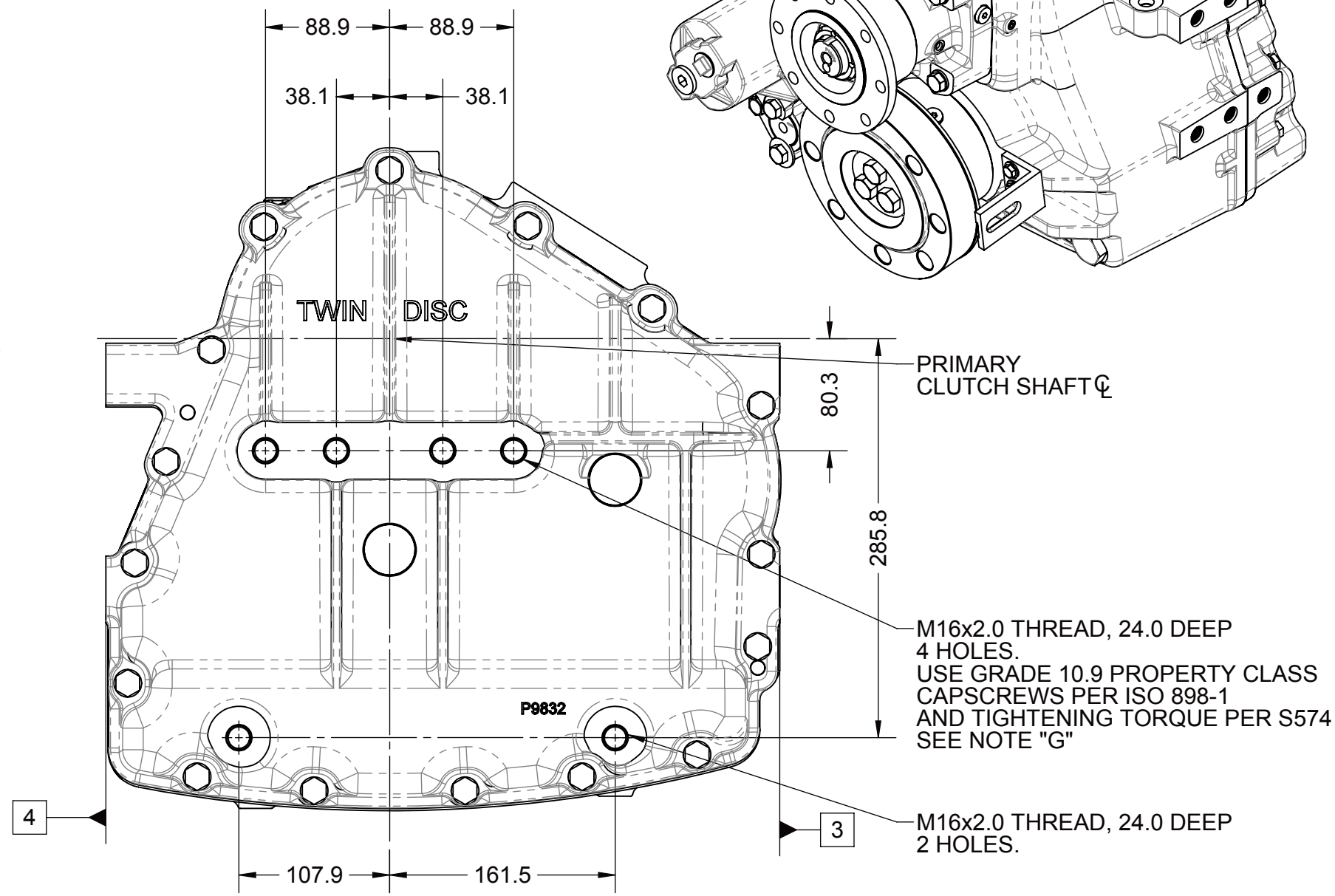
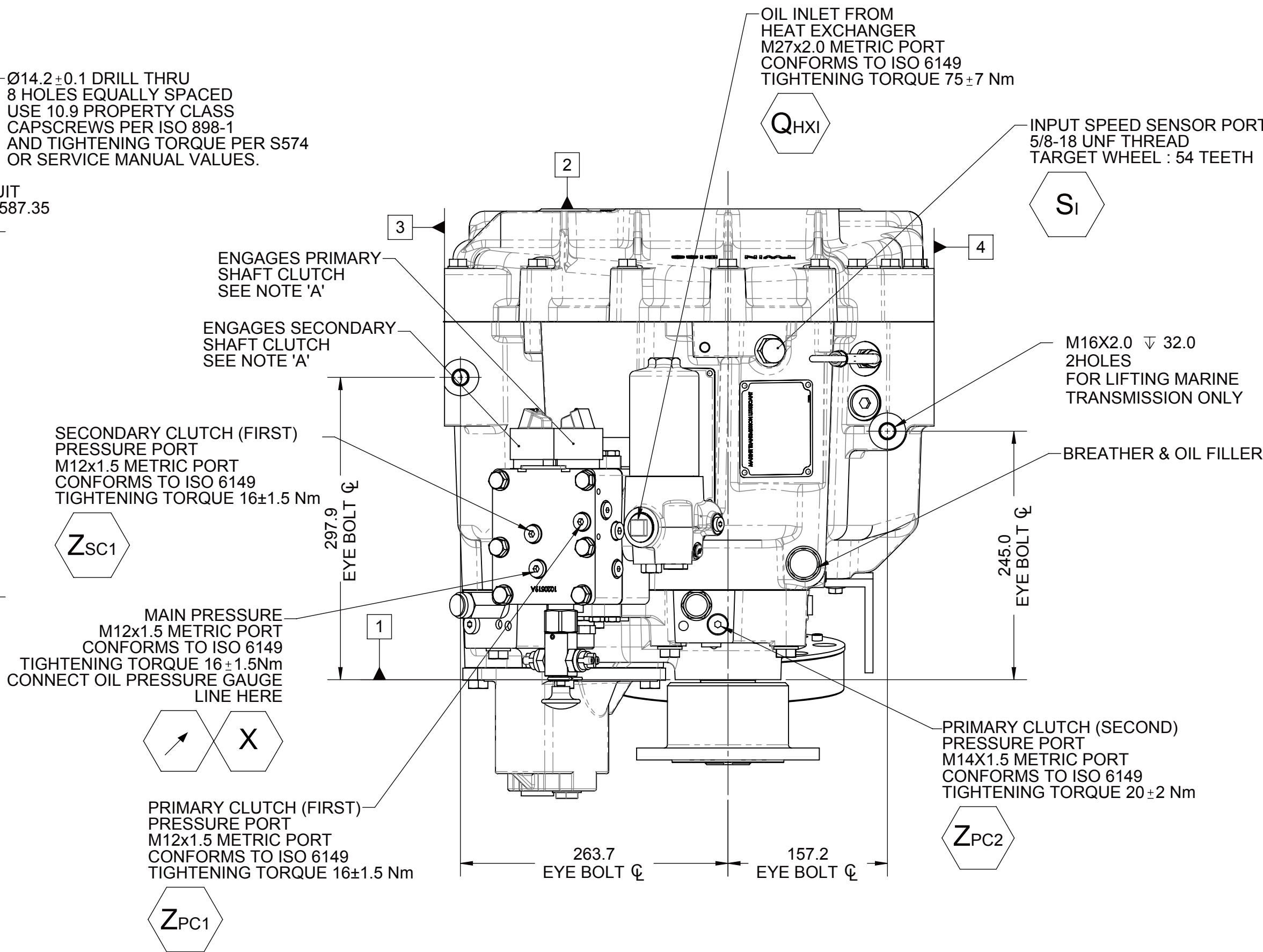
NOTES:

- A. PROPORTIONAL CONTROL VALVE OPERATION.
1. WARNING DO NOT CONNECT VALVE COIL DIRECTLY TO BATTERY/POWER SUPPLY VOLTAGE.
2. OPERATION TO BE PERFORMED WITH ONLY TWIN-DISC CONTROL SYSTEM MODULES.
- B. MANUAL DIRECTIONAL CONTROL VALVE OPERATION.
1. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PUSH TO ENGAGE PRIMARY CLUTCH.
2. WITH MANUAL DIRECTIONAL CONTROL VALVE IN CENTERED POSITION, PULL TO ENGAGE SECONDARY CLUTCH.
- C. MANUAL DIRECTIONAL CONTROL VALVE MODE SWITCH.
1. SWITCH IS NORMALLY CLOSED WHEN MANUAL DIRECTIONAL CONTROL VALVE IS IN THE CENTERED POSITION AND OPEN WHEN LEVER IS ACTUATED FROM CENTERED POSITION.
2. CURRENT = 20 AMPS MAX.
3. FOR WIRING SCHEMATIC, REFER TO CONTROL MODULE DRAWING.
- D. REFERENCE S930 FOR TWIN DISC REQUIREMENTS FOR PRESSURE AND ALARM LEVELS.
- E. UNLESS OTHERWISE SPECIFIED, FASTENER TORQUE VALUES PER S574 STANDARD.
- F. ALL POINTS AVAILABLE FOR TESTING ARE CODED

- G. A SINGLE PIECE (OR MULTI-PIECE RIGIDLY CONNECTED ASSEMBLY) MOUNTING CRADLE MUST BE SECURED TO THE MARINE TRANSMISSION UTILIZING ALL SIXTEEN (16) M16X2.0 TAPPED HOLES AND RIGIDLY CONNECTED TO THE VESSEL FOUNDATION. THE MOUNTING BRACKET DESIGN AND MANUFACTURING MUST NOT INDUCE ANY FORCE OR DISTORTION INTO THE MARINE TRANSMISSION. TWIN DISC INC. IS NOT RESPONSIBLE FOR DAMAGE THAT MAY BE CAUSED TO THE MARINE TRANSMISSION OR PROPULSION SYSTEM AS RESULT OF DEFECTIVE MOUNTING BRACKET DESIGN OR MANUFACTURING WHEN THE BRACKETS ARE NOT PART OF TWIN DISC INC. SCOPE OF SUPPLY.

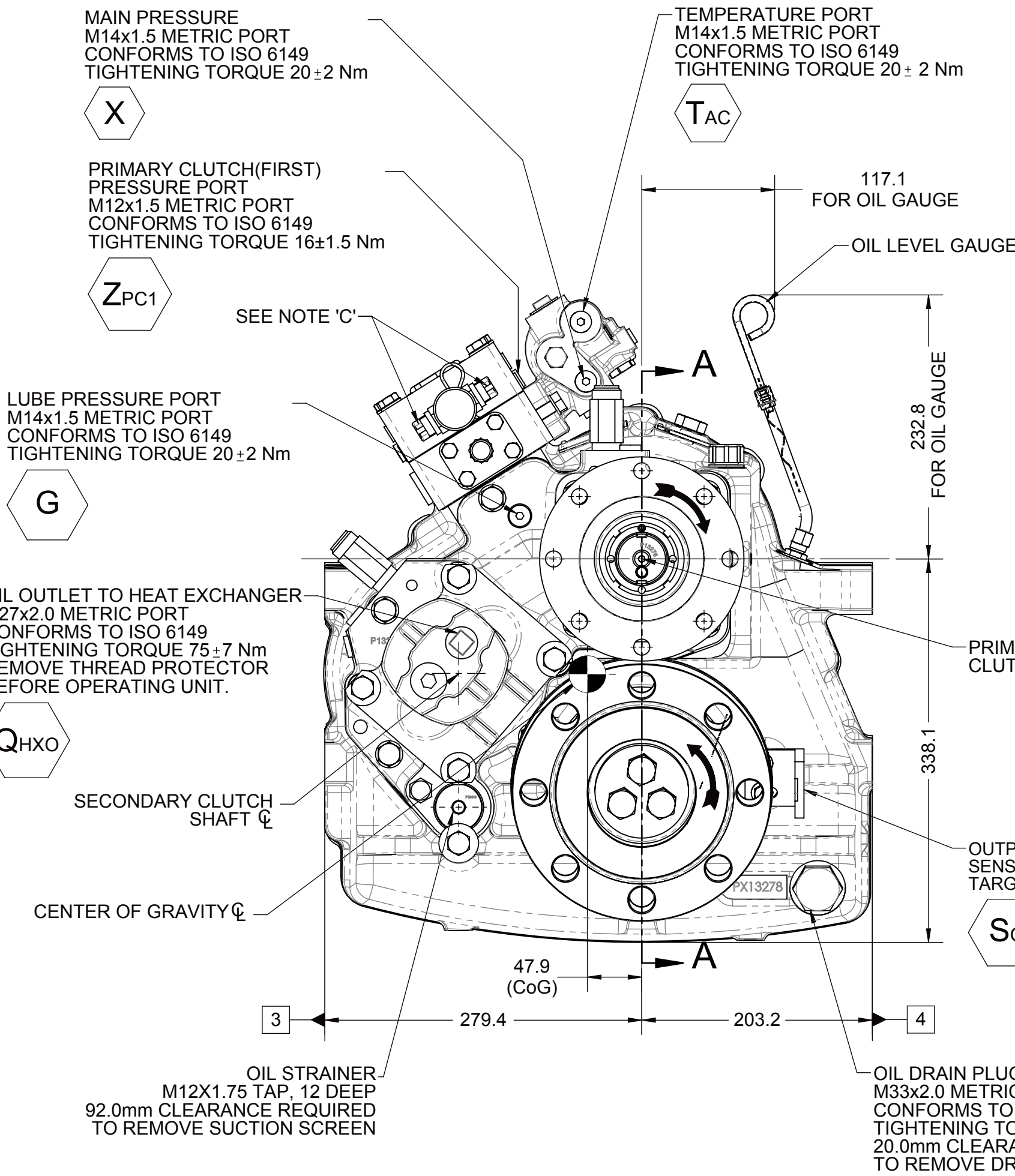
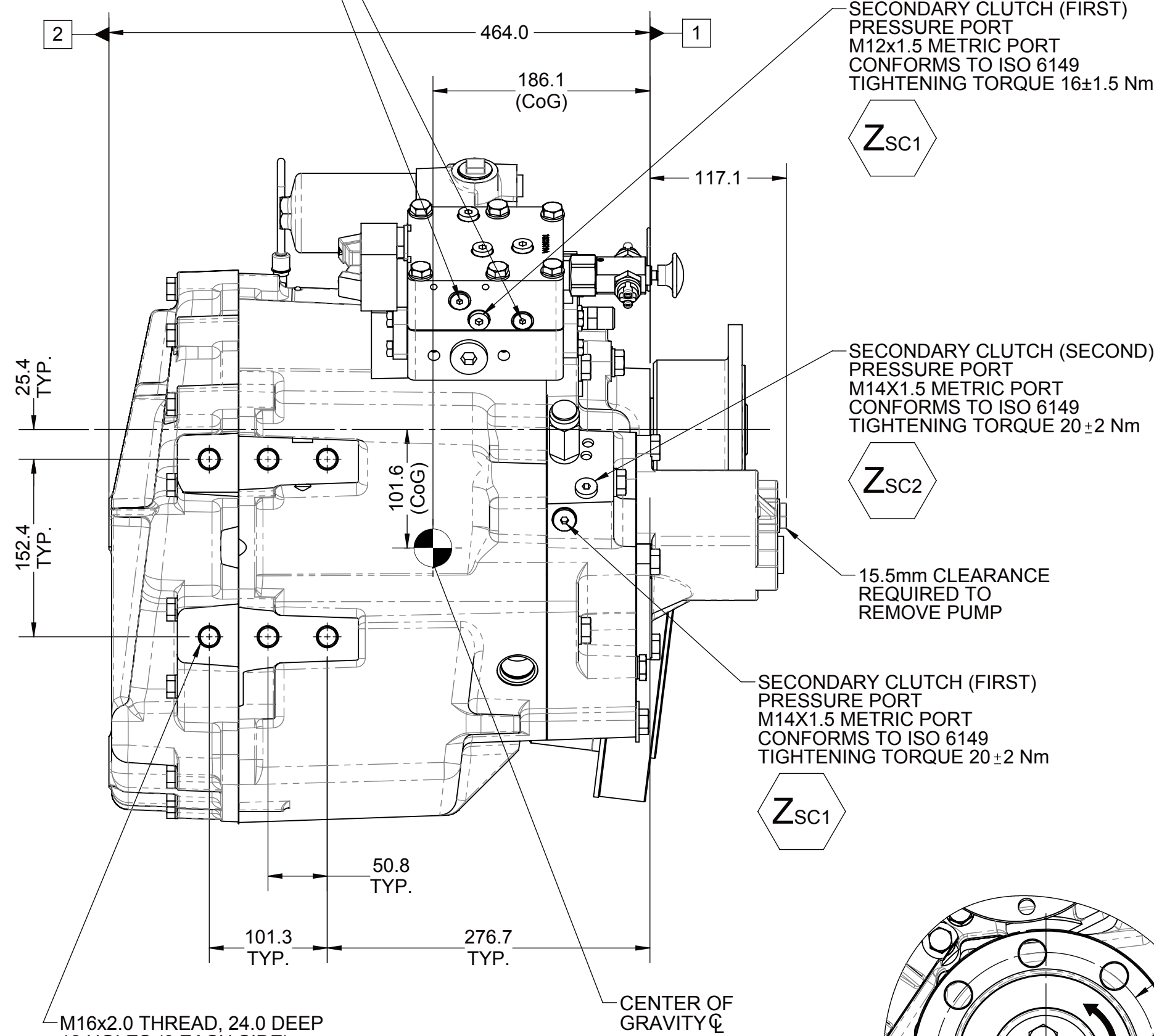


SECTION A-A
SCALE 1 : 2

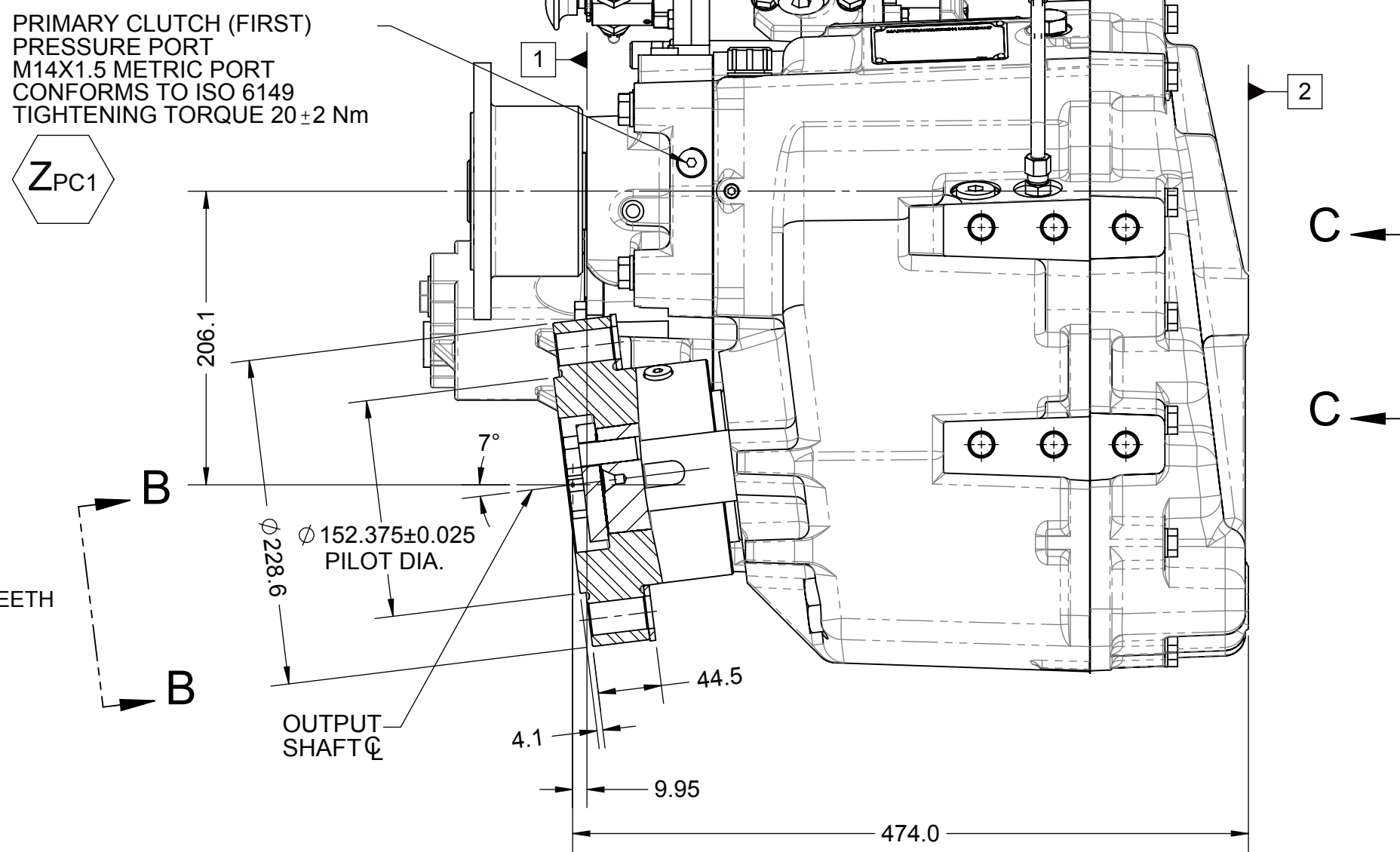


VIEW C-C

MAIN PRESSURE PORT
1/2-20 UNF INCH THREAD PORT
CONFORMS TO J1926
CONNECT OIL PRESSURE
GAUGE LINE HERE.
TIGHTENING TORQUE 20±3Nm
BOTH SIDES

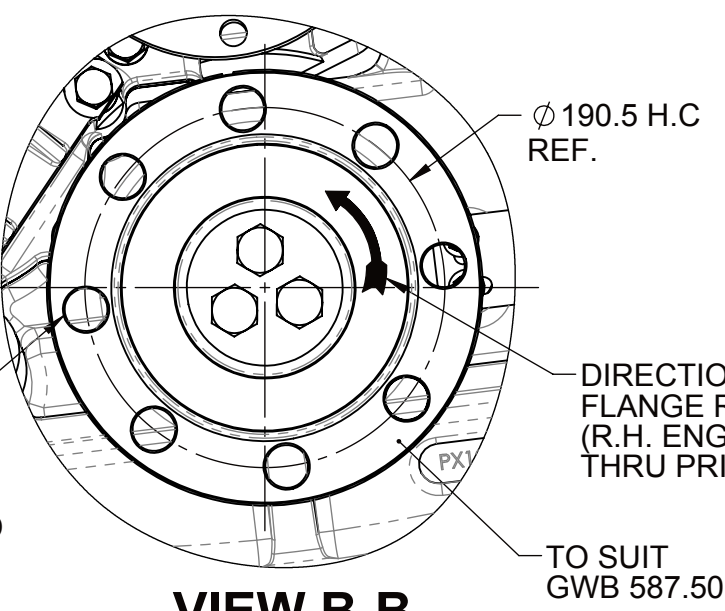


MANUAL DIRECTIONAL CONTROL VALVE
5mm TRAVEL FROM CENTERED POSITION
(EACH DIRECTION)
SEE NOTE 'B'.



- EQUIPMENT SHOWN:
- MGX-5114RV PER PX13270 ASSEMBLY
- GWB 587.35 FREE STANDING INPUT FLANGE
- GP VALVE WITH EC050 PROFILE MODULE

Ø 22.6 (57/64") DRILL THRU
8 HOLES EQUALLY SPACED
USE GRADE 8 CAPSCREWS OR
EQUIVALENT PER S.A.E. J429 AND
TIGHTENING TORQUE PER S574



VIEW B-B

FIRST USE ASSEMBLY: FIRST USE MODEL: SIMILAR TO:		WEIGHT: 196.9 WR: kg m³		THIRD ANGLE PROJECTION		MATERIAL: HEAT TREAT:		DATE: 05/16/2019 SCALE: 1:4 DRAWN BY: LT CHECKED BY: DV		DESCRIPTION: INSTALLATION MGX-5114RV		DWG SIZE: A1		SHEET: 1 OF 1		REV: -	
NOTES: THIS PRINT CONTAINS PROPRIETARY INFORMATION AND IS NOT TO BE USED IN ANY MANNER DETRIMENTAL TO THE INTEREST OF TWIN DISC, INCORPORATED. THIS NOTICE IS NOT INTENDED TO NULLIFY OR LIMIT RIGHTS GRANTED TO THE U.S. GOVERNMENT OR OTHERS BY CONTRACT.		METRIC		UNLESS OTHERWISE SPECIFIED MACHINED DIMENSIONS X ±0.25 X X ±0.13 X X X ±0.13 ALL ANGULAR TOLERANCES ±1° PER ASME Y14.5M 1994		TWIN DISC		NDWF-010622 09/02/2019 REV CHANGE NO. DATE		RACINE, WI 53403 - USA		PX13365B		1025420W Rev. A			