

PART NO.	MODEL NUMBER	A ±3.0	B ±3.0	C ±3.0
497-1171-00	ZF25K	442.0 [17.40]	409.6 [16.13]	470.0 [18.51]
497-1171-01	ZF28K/ZF139K	451.0 [17.76]	418.6 [16.48]	479.0 [18.85]

SPECIFICATIONS	
ES NO.	DESCRIPTION
④ ES81-159	CLEANLINESS
④ ES81-250	IDENTIFICATION
ES92-155	CONVERSION-METRIC

NOTES:

① ALL TOLERANCES ±1.50 [0.060] UNLESS OTHERWISE SPECIFIED.

DUE TO ACCUMULATED ASSEMBLY TOLERANCES THE LISTED COMPONENTS MAY VARY FROM THE MOUNTING HOLES AS SHOWN BELOW:

- ◆ SUCTION FITTINGS: ±3.0 [0.12]
- ◆ DISCHARGE FITTINGS: ±3.0 [0.12]

2. TUBE ENDS MUST BE PLUGGED.

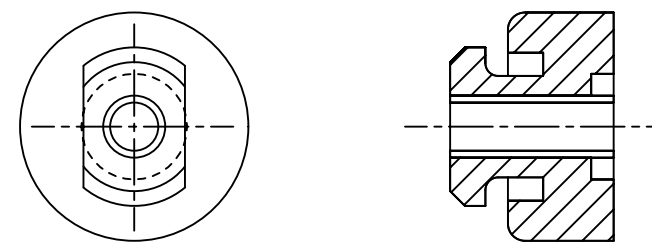
③ TORQUE T-BLOCK SCREWS TO 2.4-2.6 Nm [21-23 IN LBS].

③ 4. FOR MORE INFORMATION SEE PRODUCT CATALOG.

5. FULL HEIGHT OF COMPRESSOR DOES NOT INCLUDE MOUNTING SPACERS.

6. MOUNTING KIT:

GROMMET DUROMETER	4 FOOT KIT
35-45	527-0116-00



① ③

COMPRESSOR WIRING DIAGRAM

USE COPPER CONDUCTORS ONLY. USE MINIMUM 75° C WIRE FOR AMPACITY DETERMINATION. INTERNAL MOTOR PROTECTION - ALLOW TIME FOR RESET. OVERCURRENT PROTECTION DEVICE RATING AND TYPE MUST BE IN ACCORDANCE WITH REGULATORY AGENCY END PRODUCT APPROVALS - SEE SYSTEM NAMEPLATE. CRANKCASE HEATER, WHEN APPLIED, MUST BE CONNECTED ONLY TO ITS RATED VOLTAGE. TO CORRECT IMPROPER ROTATION OF THREE PHASE MODELS, SWITCH ANY TWO SUPPLY LINES. REFER TO THE APPLICABLE SYSTEM WIRING DIAGRAM.

005-1213-00

8-06



INTERPRET PER ASME Y14.5M-1994 AND EMERSON DESIGN STANDARDS DS2002

DO NOT SCALE DRAWING

CRITICAL PRODUCT CHARACTERISTICS
 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER OR (INCH)
 TOLERANCES:
 1-PLACE ±
 2-PLACE ±
 ANGULAR ±

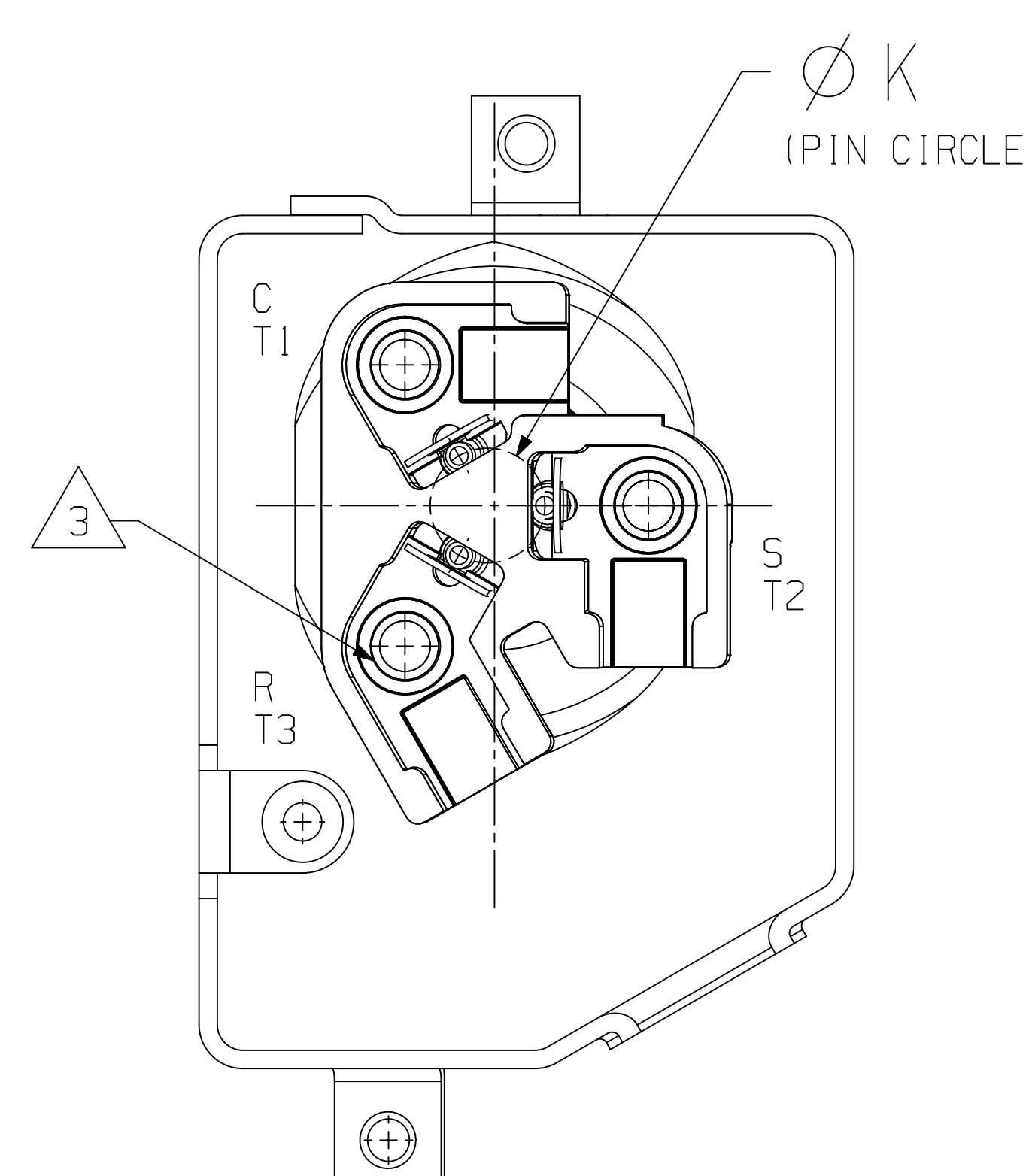
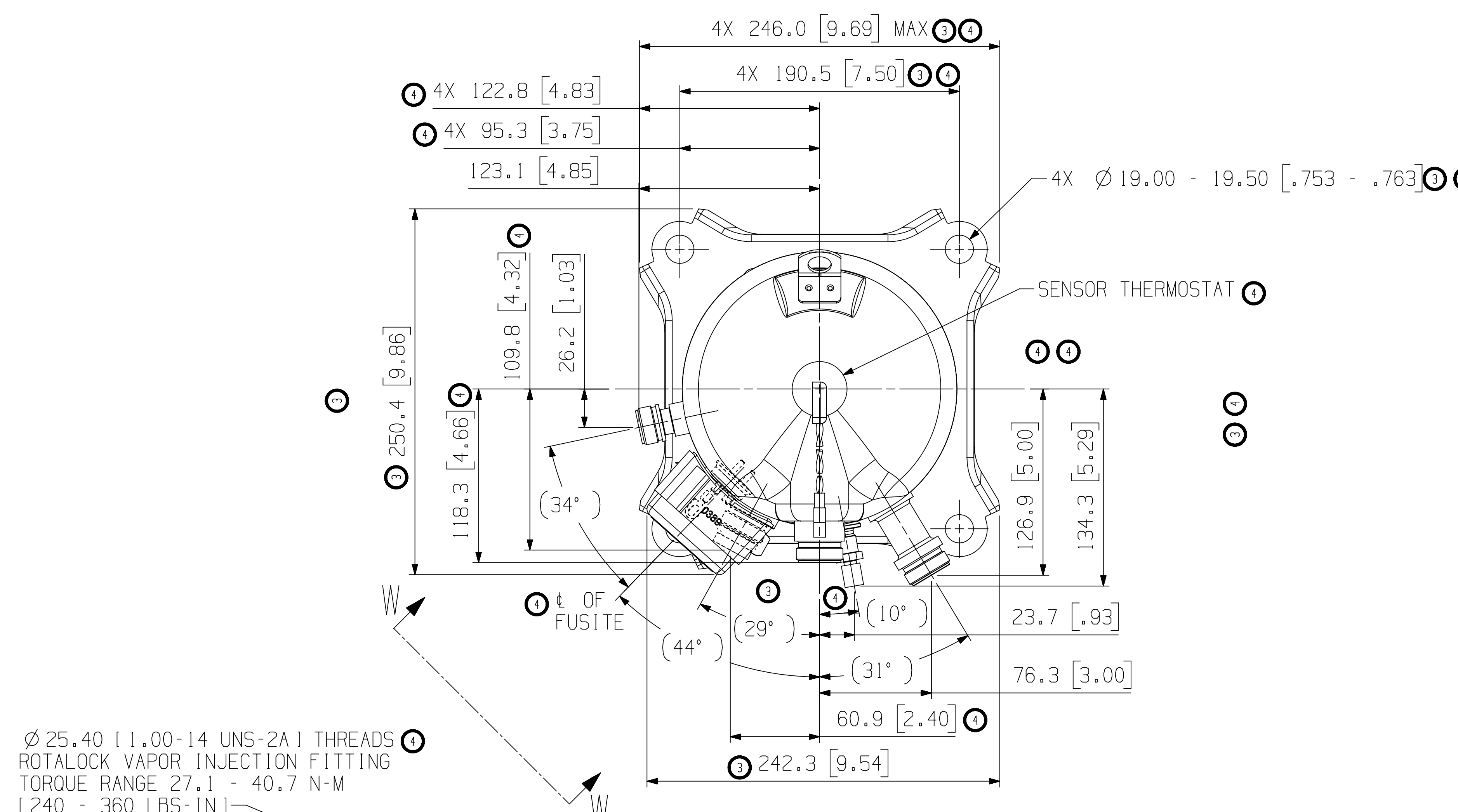
ENG NOTICE NO.	REV. NO.	REVISIONS	DATE	BY	CHKD
ECN321503	4	REMOVED ES81-159 & ES81-250	08-04-22	SRP	AMN
ECN301663	3	REDRAWN & UPDATE DIMENSIONS	03-28-17	AZ	LG
ECN002493	0	RELEASED	09-14-11	AMN	DC

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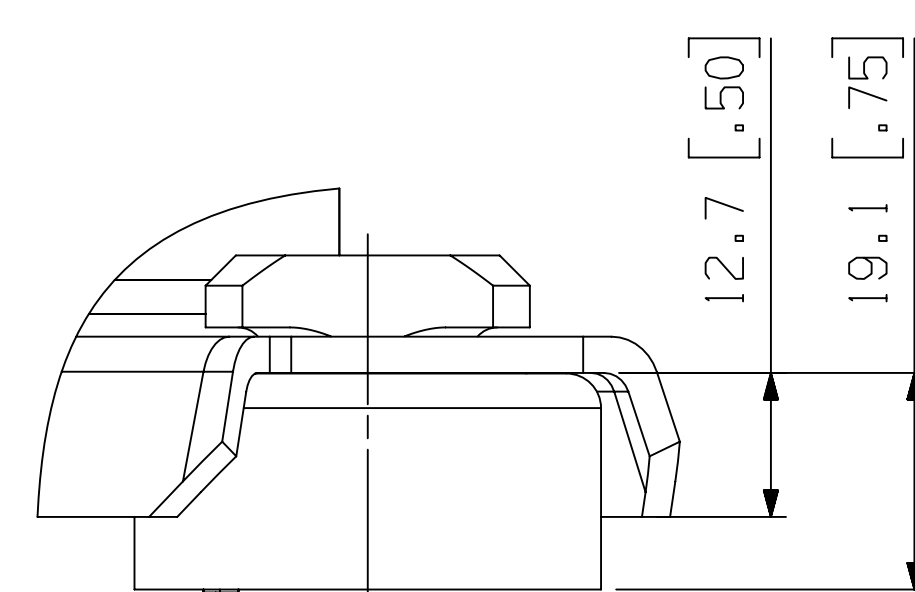
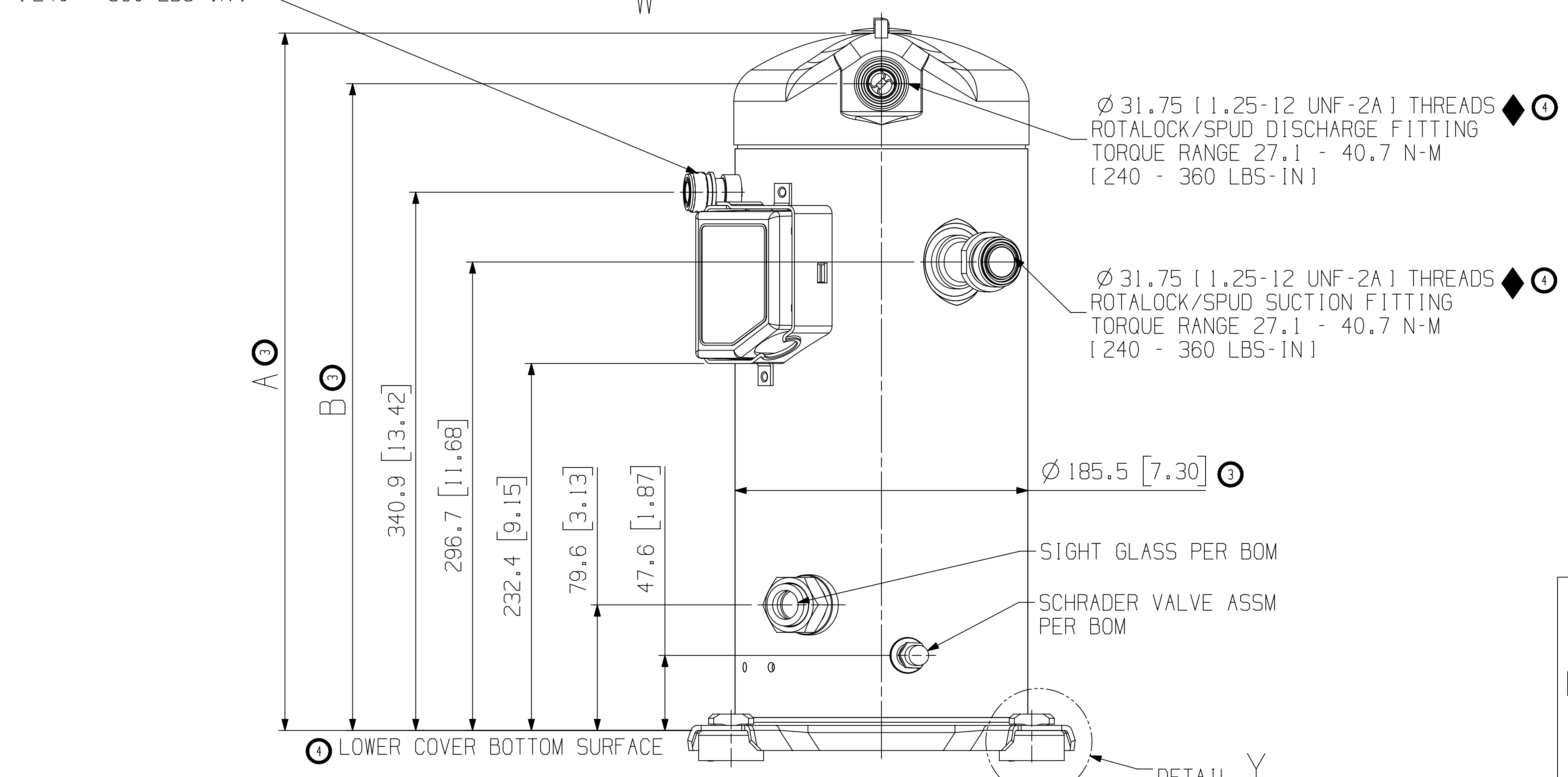
MATERIAL SPECIFICATION	DRAWN BY	SUPERSEDES DWG NO / REV NO
N/A	AZ	497-1171-00 / 002

DATE	SCALE	DATE FORMAT
03-28-17	1:2	MM-DD-YY

TITLE	DRAWING NUMBER	SHEET 1 OF 3 DWG
REF DWG-WELD COMP ASSM	497-1171-00	4



TERMINAL BOX LAYOUT OPTIONS
TERMINAL BOX COVER NOT SHOWN
VIEW W-W
SCALE 3:2



DETAIL Y
SCALE 3:2

MOTOR TYPE	Ø K PIN CIRCLE
TF5	13.46 [0.530]
TFD TFP TF7 TFE	17.45 [0.687]

ENG NOTICE NO.	REV. NO.	REVISIONS	DATE	BY	CHKD
ECN321503	4	ADDED DIMENSIONS & UPDATED FITTING CALLOUTS	08-04-22	SRP	AMN
ECN301663	3	REDRAWN & UPDATE DIMENSIONS	03-28-17	AZ	LG
ECN002493	0	RELEASED	09-14-11	AMN	DC

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MATERIAL SPECIFICATION	DRAWN BY	SUPERSEDES DWG NO / REV NO
N/A	AZ	497-1171-00 / 002
	DATE	SCALE
	03-28-17	1:2
TITLE	DRAWING NUMBER	SHEET 2 OF 3 DWG
REF DWG-WELD COMP ASSM	497-1171-00	4

EMERSON
Copeland

INTERPRET PER ASME Y14.5M-1994 AND EMERSON DESIGN STANDARDS DS2002

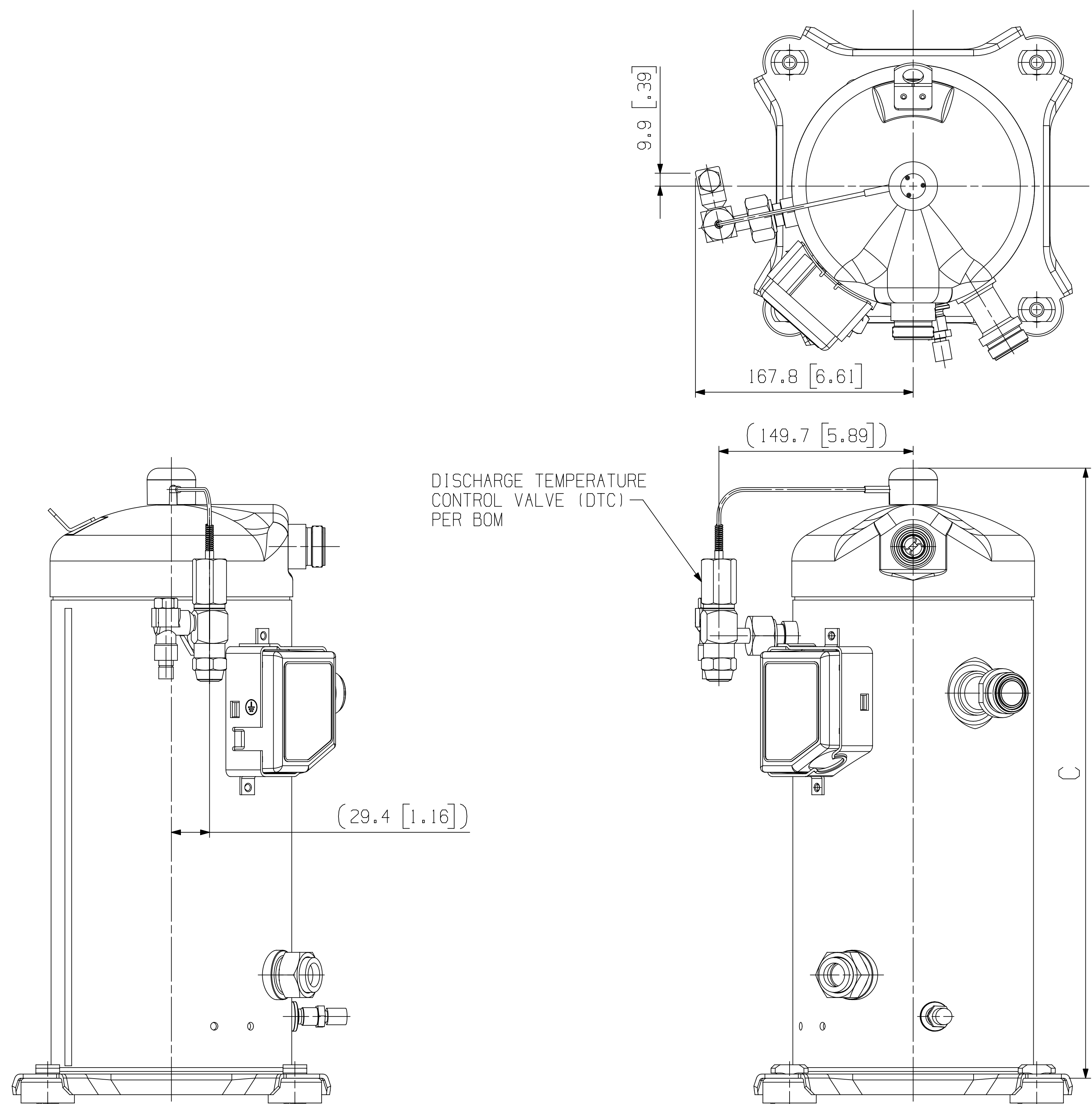
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CRITICAL PRODUCT CHARACTERISTICS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER OR (INCH)

TOLERANCES:
1-PLACE +
2-PLACE ±
ANGULAR ±

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INTERPRET PER ASME Y14.5M-1994 AND EMERSON DESIGN STANDARDS DS2002

DO NOT SCALE DRAWING

CRITICAL PRODUCT CHARACTERISTICS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETER OR (INCH)

TOLERANCES:

1-PLACE +

2-PLACE ±

ANGULAR ±

1

ECN321503	4	ADDED SHEET 3	08-04-22	SRP	AMN
ECN002493	0	RELEASED	09-14-11	AMN	DC
ENG NOTICE NO.	REV. NO.	REVISIONS	DATE	BY	CHKD
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MATERIAL SPECIFICATION		DRAWN BY	SUPERSEDES DWG NO / REV NO	DATE FORMAT: MM-DD-YY	
N/A		AZ	497-1171-00 / 002	MM-DD-YY	
TITLE		DATE	SCALE	DRAWING NUMBER	SHEET 3 OF 3 DWG
REF DWG-WELD COMP ASSM		03-28-17	1:2	497-1171-00	4
					SIZE