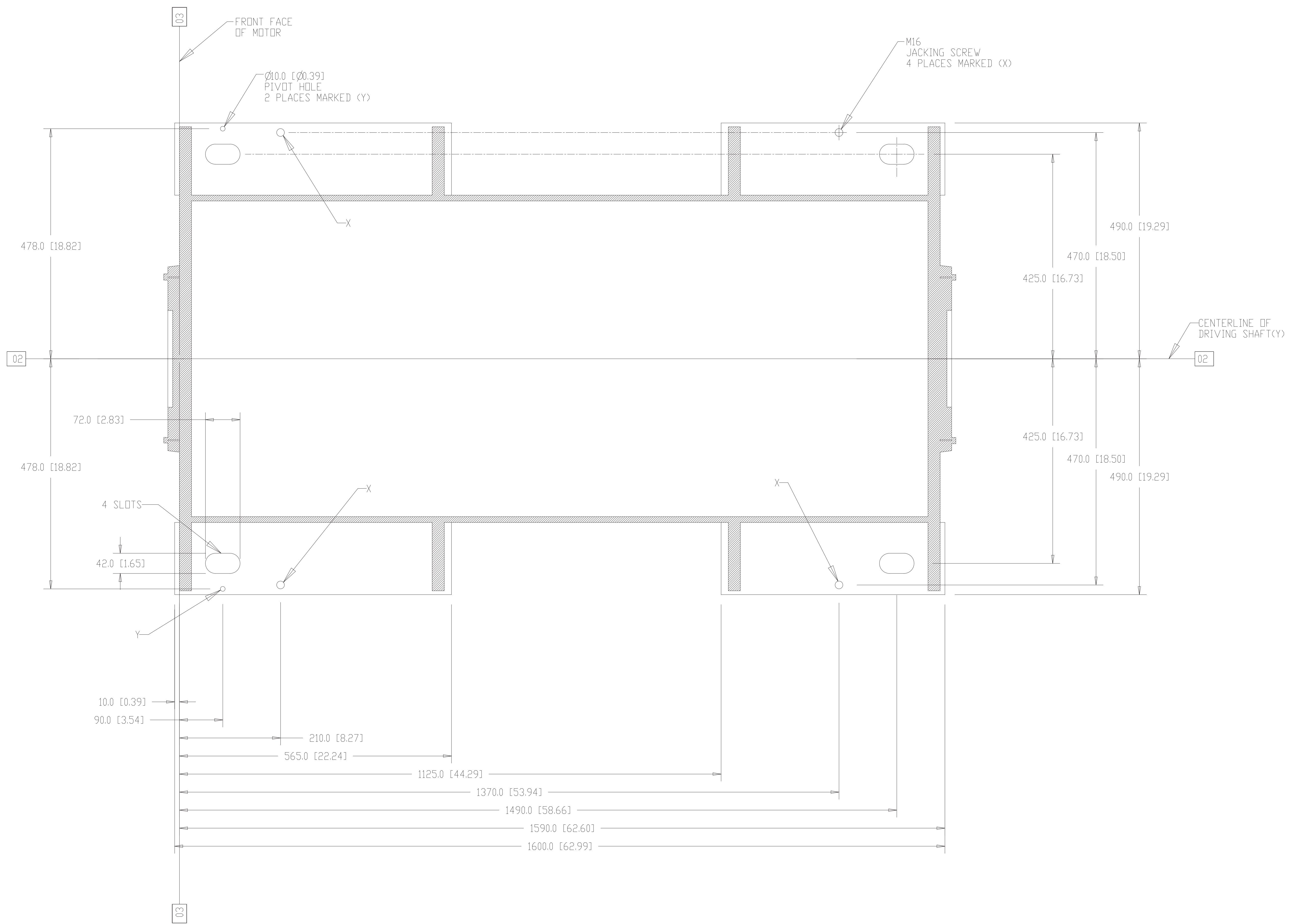


METRIC [INCH]  
FOOTPRINT VIEW  
SCALE 2:1

1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROJ	OTHER
RECORDS	
UNLESS OTHERWISE SPECIFIED	VERSION
DIMENSIONS ARE IN MM	TYPE
DIMENSIONS W/O TOL ARE BASIC	SECONDARY
THIRD ANGLE PROJECTION	SHEET 5
	CONTROL W915
<b>CATERPILLAR</b>	
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CN1566 (1500HP) SLEEVE BEARING	
SPACE CLAIM	VER - CHG 00

FOR NOTES SEE SHEET 1

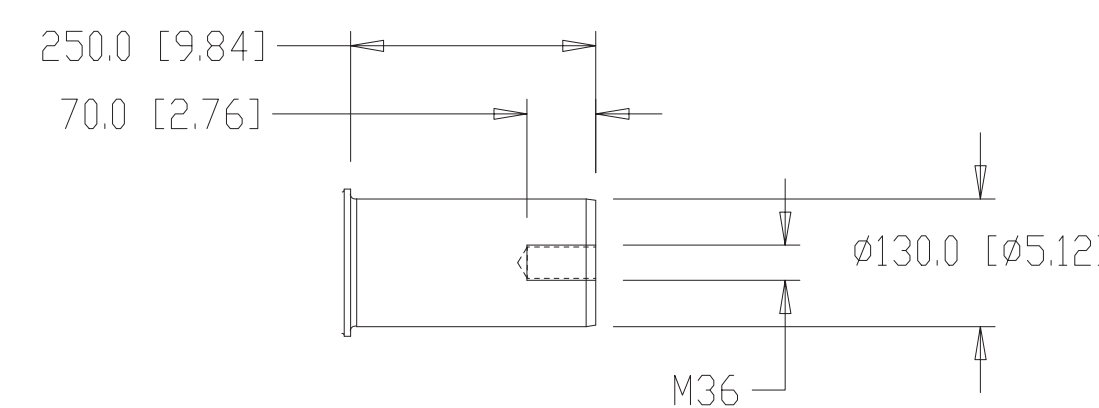


METRIC [INCH]  
FOOTPRINT VIEW  
SCALE 2:1

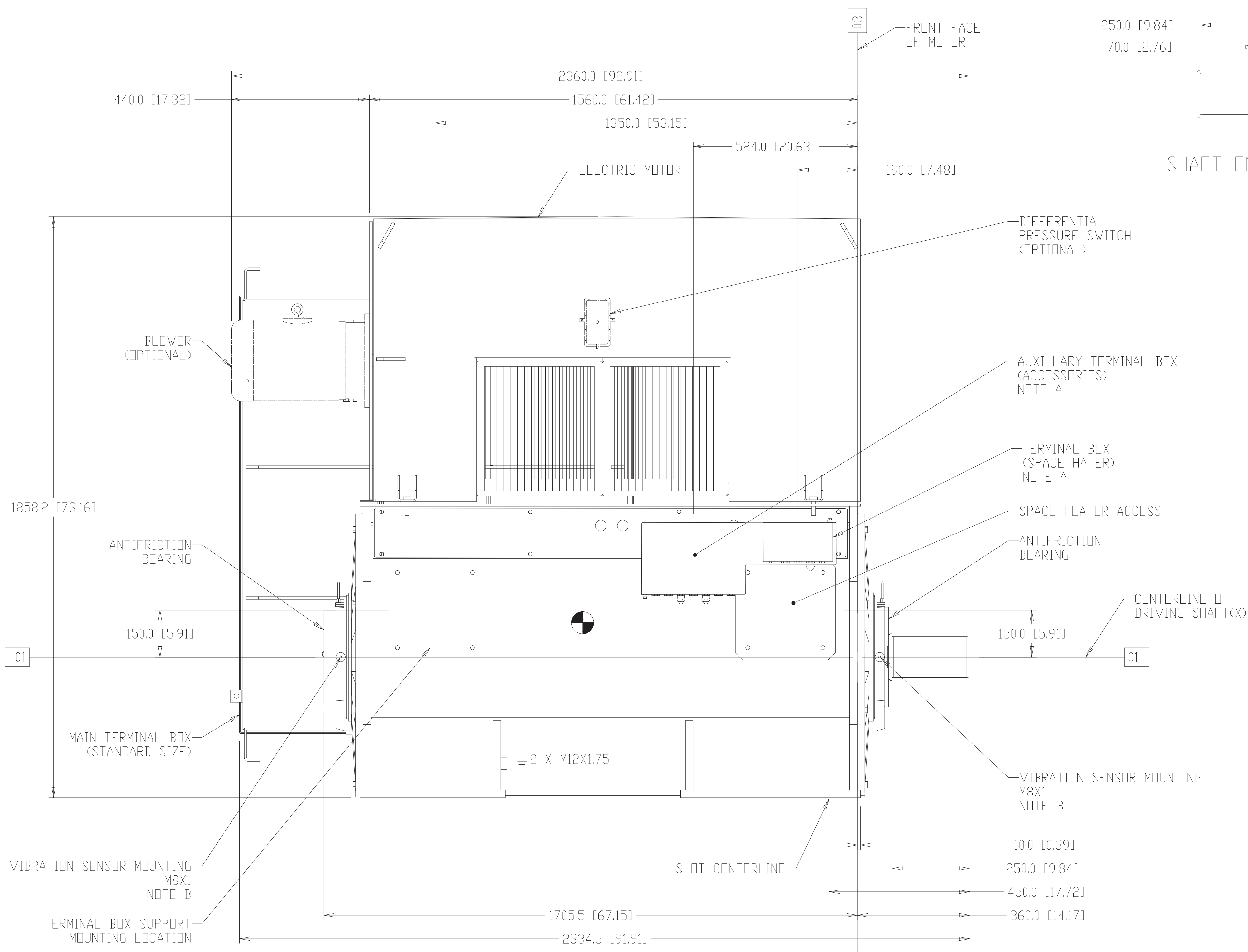
1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROJ	OTHER
RECORDS	
UNLESS OTHERWISE SPECIFIED	VERSION PRIMARY X
DIMENSIONS ARE IN MM	TYPE SECONDARY
DIMENSIONS W/O TOL ARE BASIC	SECONDARY
THIRD ANGLE PROJECTION	SHEET 5
	DWG CONTROL W915
<b>CATERPILLAR</b>	
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CN1566 (1500HP)	
ANTI-FRICTION BEARING	
SPACE CLAIM	VER CHG
	- 00

FOR NOTES SEE SHEET 1

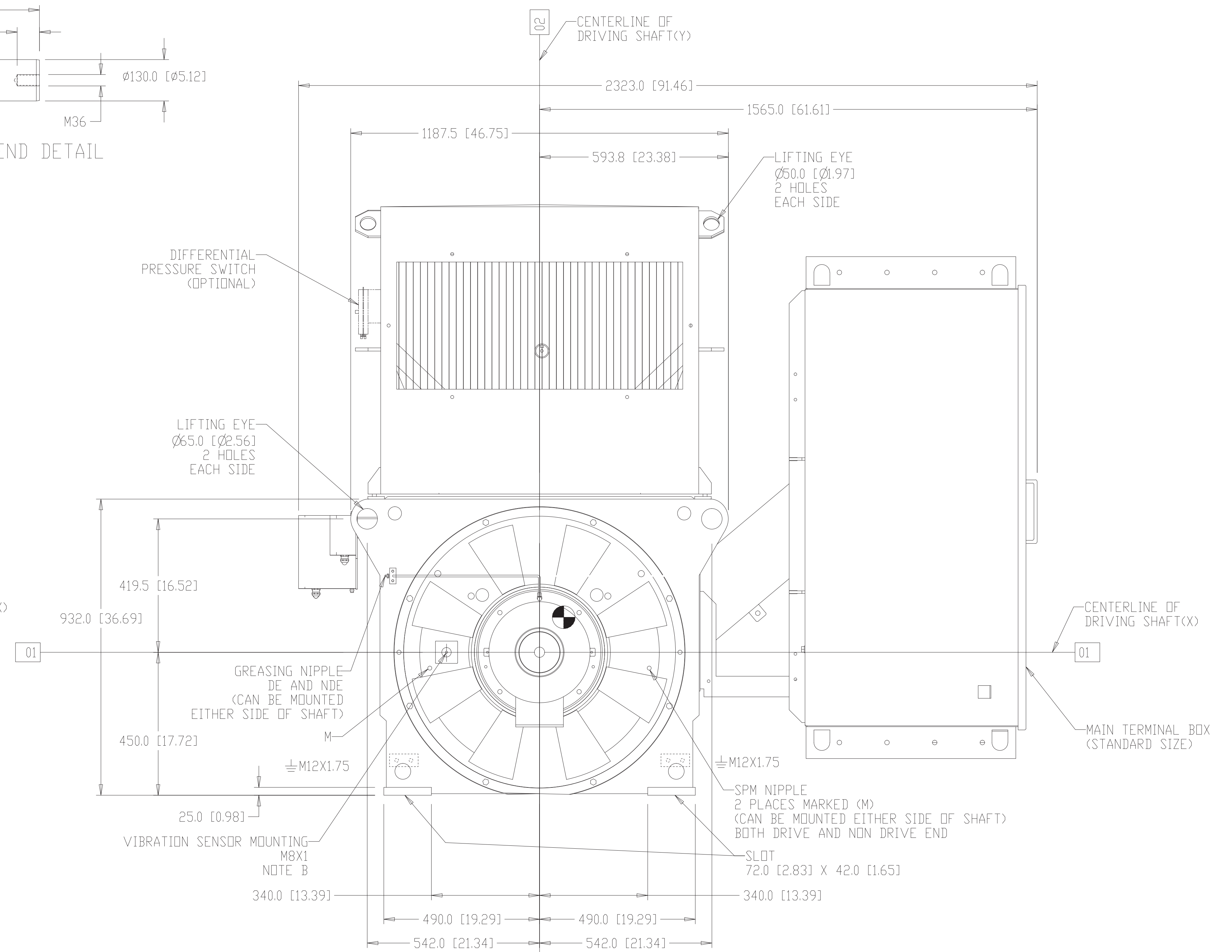
STANDARD TERMINAL BOX IN F2



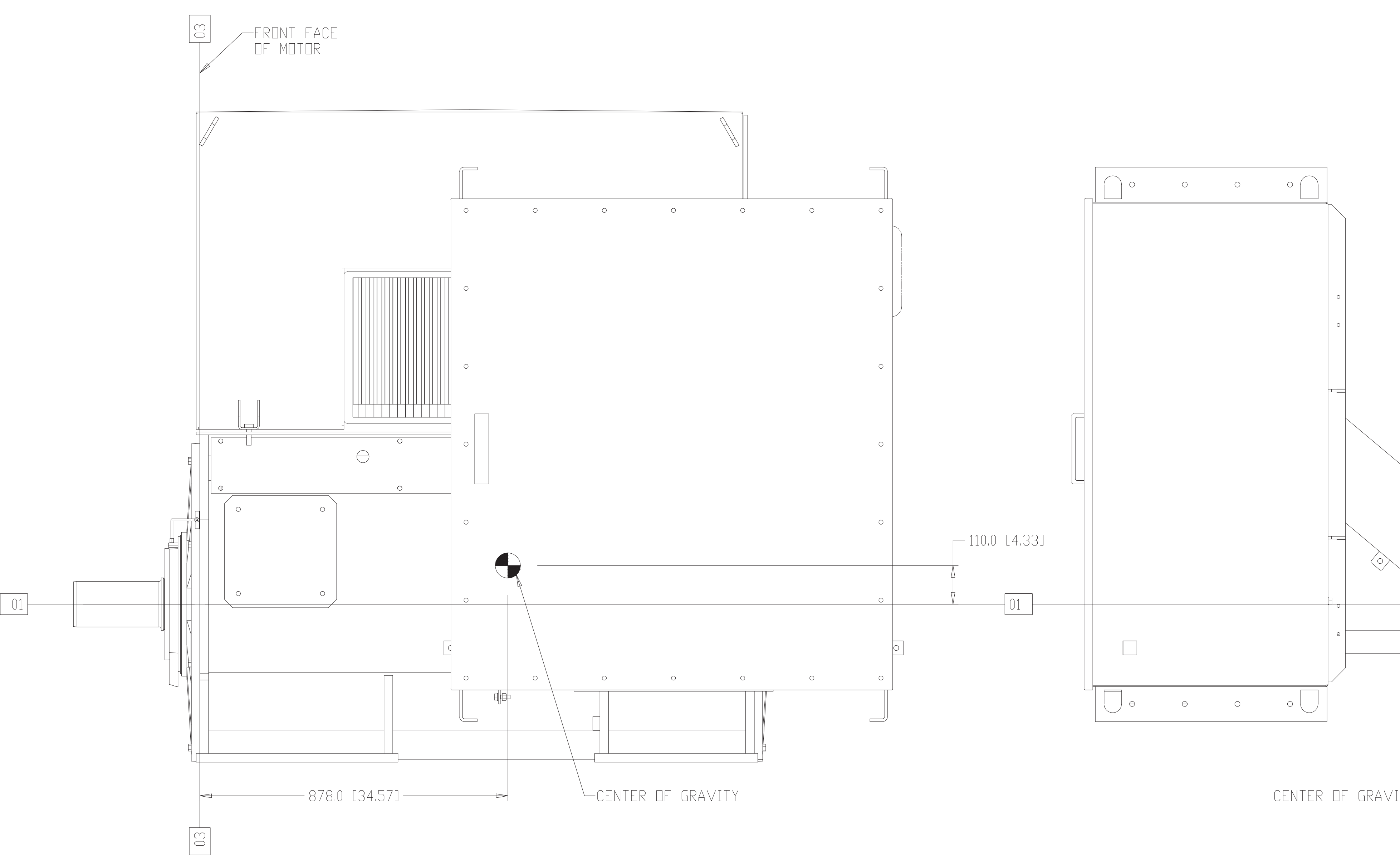
SHAFT END DETAIL



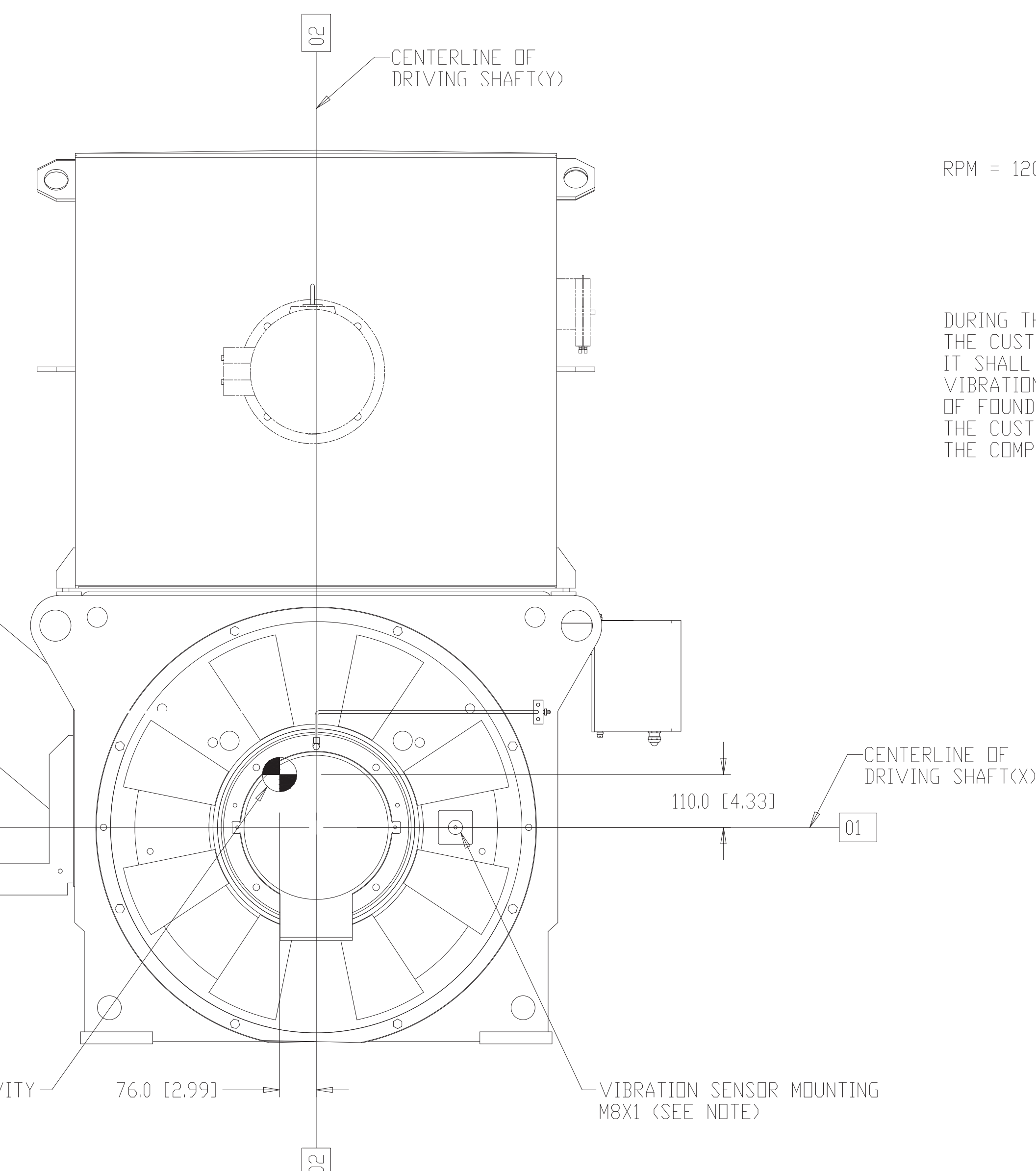
METRIC [INCH] RIGHT SIDE VIEW



METRIC [INCH] DRIVE END VIEW



METRIC [INCH] LEFT SIDE VIEW



METRIC [INCH] NON-DRIVE END VIEW

RPM = 1200

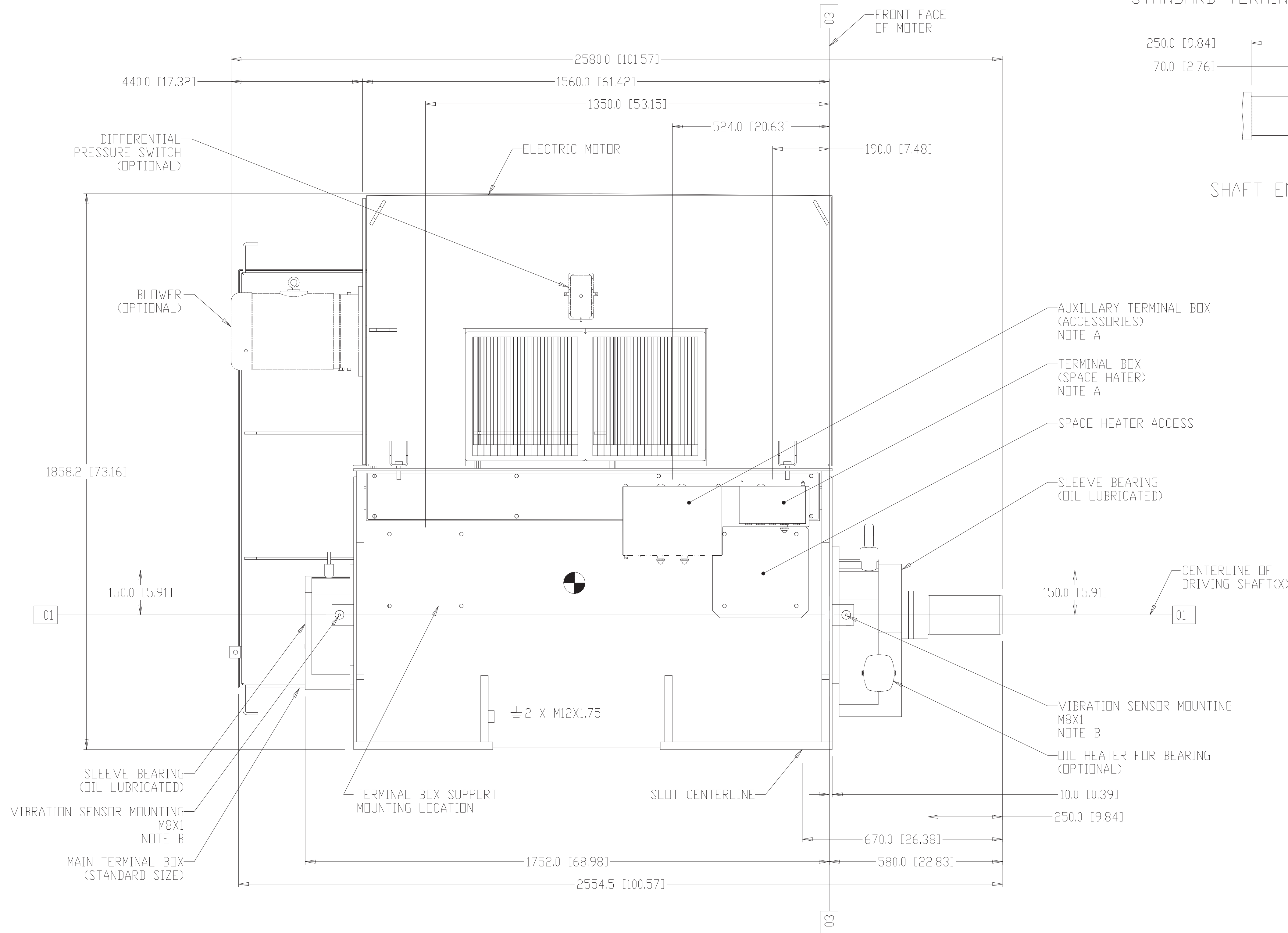
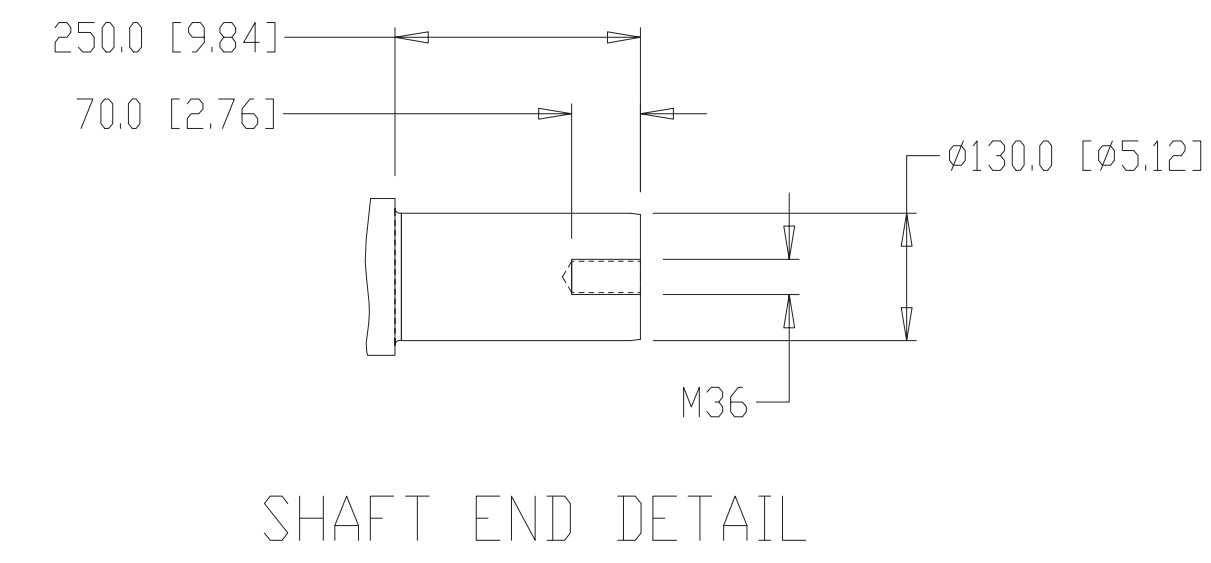
DURING THE INITIAL INSTALLATION PLACE 2 mm [0.0787"] SHIMS UNDER THE FEET OF THE MOTOR. THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE FOUNDATION. IT SHALL BE SUFFICIENTLY RIGID TO WITHSTAND SHORT CIRCUIT FORCES. TO AVOID RESONANCE VIBRATIONS THE FOUNDATION SHALL BE DESIGNED SO THAT THE NATURAL FREQUENCY OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN ±20% OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.

1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROJ	OTHER
RECORDS	
UNLESS OTHERWISE SPECIFIED	VERSION
DIMENSIONS ARE IN MM	TYPE
DIMENSIONS W/D TOL ARE BASIC	PRIMARY
	SECONDARY
THIRD ANGLE PROJECTION	SHEET 3
	DWG CONTROL W915
<b>CATERPILLAR</b>	
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CN1566 (1500HP)	
ANTI-FRICTION BEARINGS	
VER	CHG
—	00
SPACE CLAIM	

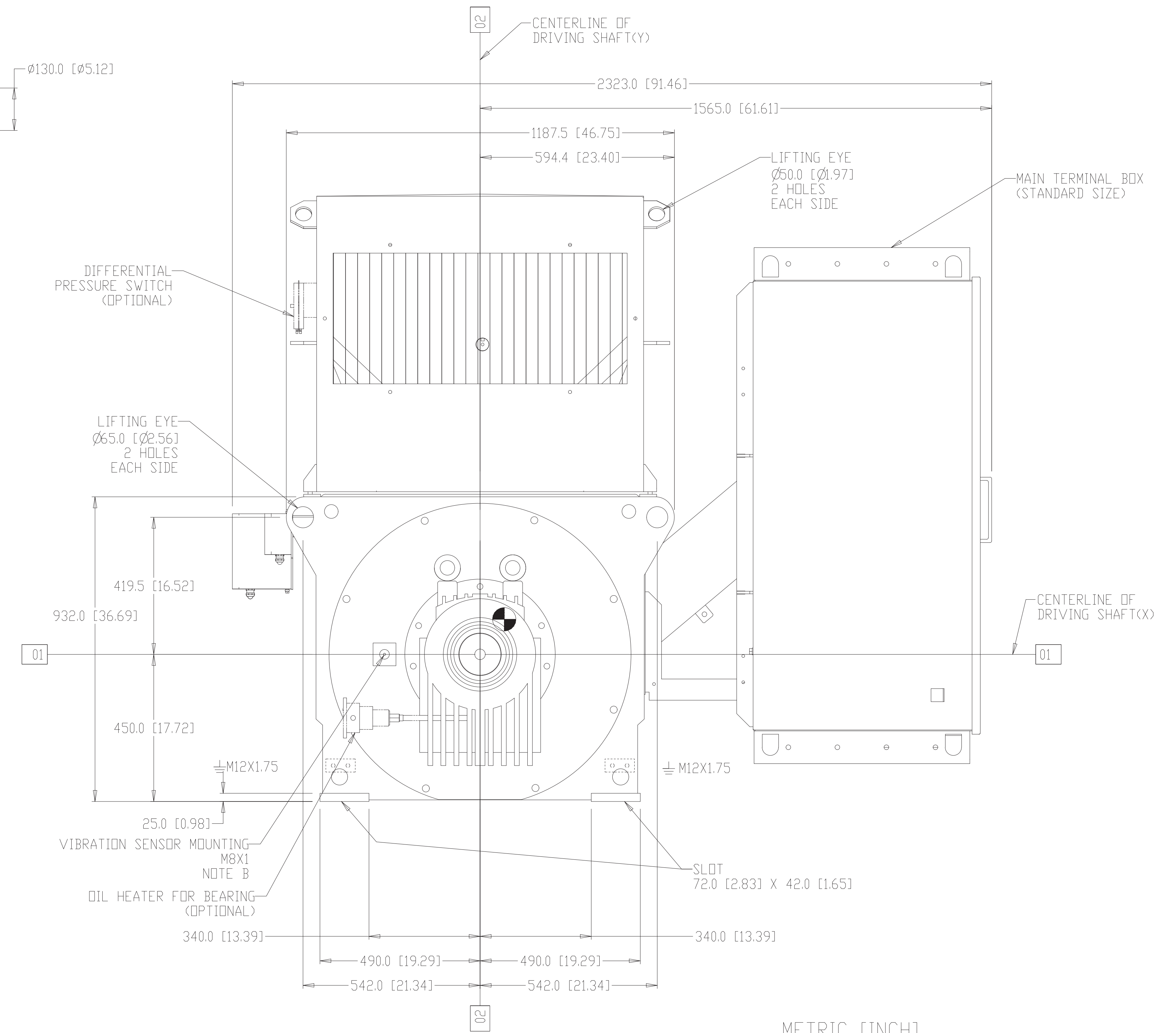
FOR NOTES SEE SHEET 1



STANDARD TERMINAL BOX IN F2



METRIC [INCH]  
RIGHT SIDE VIEW

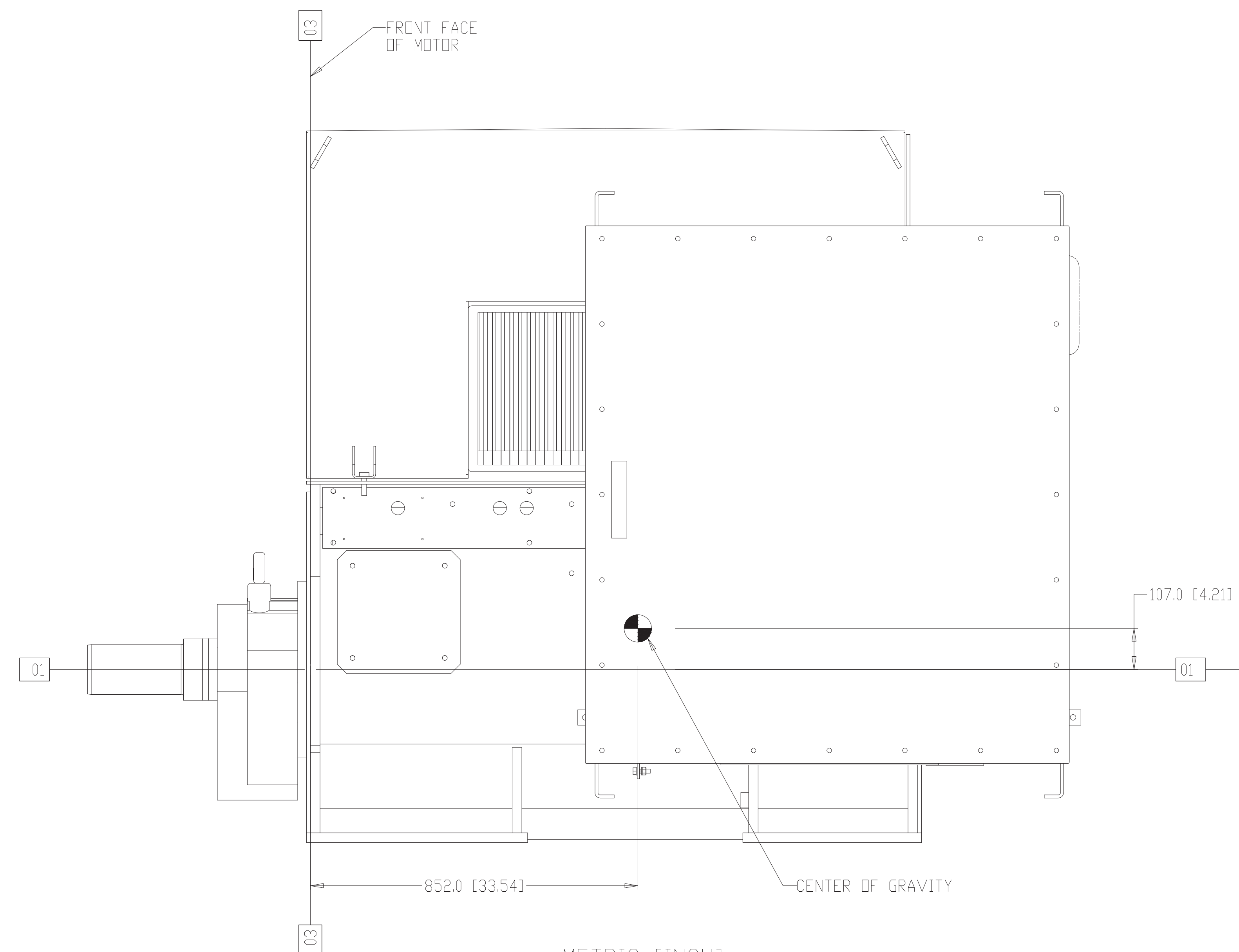


METRIC [INCH]  
DRIVE END VIEW

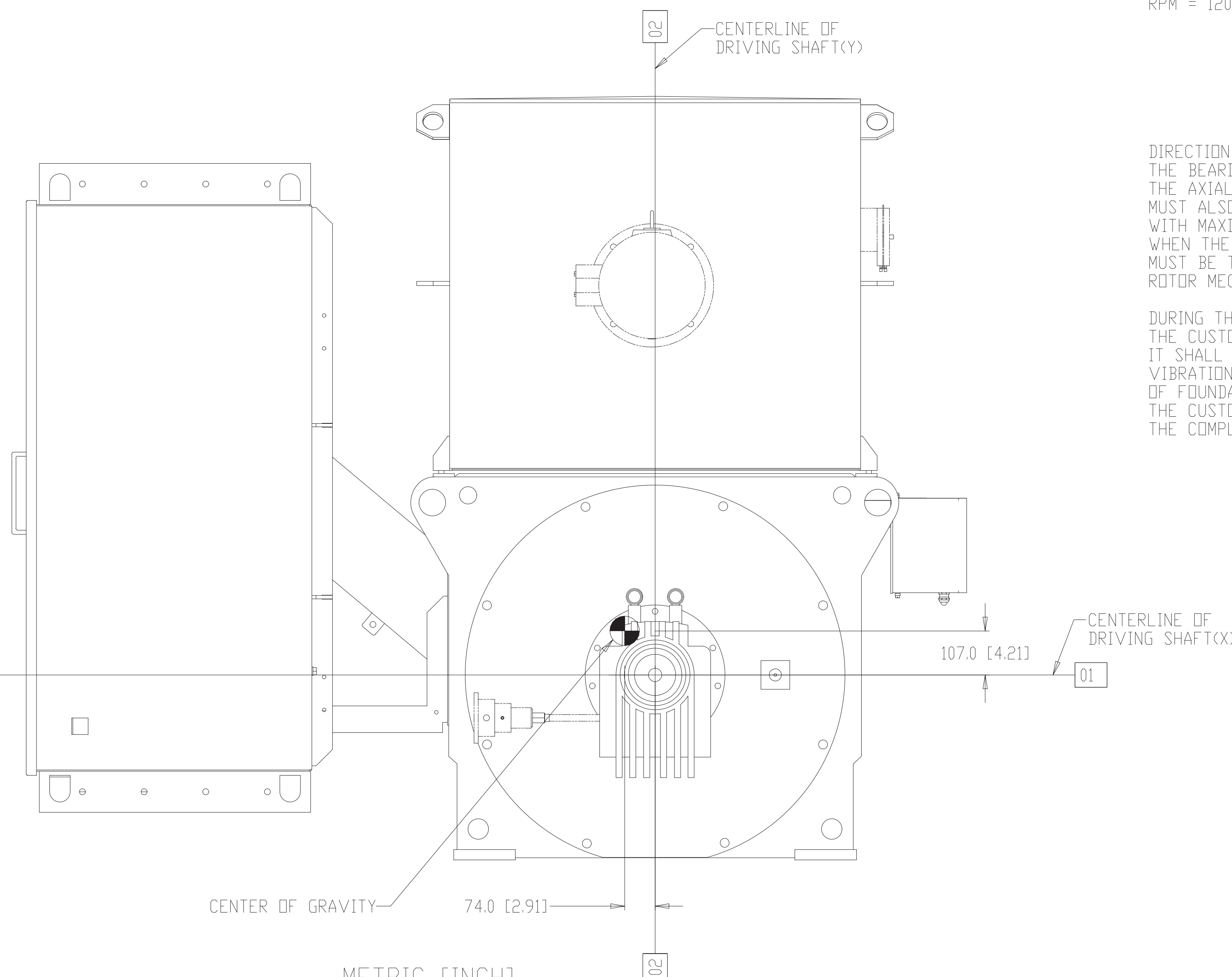
RPM = 1200

DIRECTION OF ROTATION LOOKING AT DE SHAFT EXTENSION.  
THE BEARINGS OF THIS ELECTRIC MACHINE DO NOT WITHSTAND CONTINUOUS AXIAL FORCES. THE AXIAL LOAD MUST BE CARRIED BY THE BEARINGS OF THE DRIVEN MACHINE, WHICH MUST ALSO LOCK THE SHAFT SYSTEM AXIALLY. THE COUPLING MUST BE LIMITED TYPE WITH MAXIMUM AXIAL MOVEMENT LESS THAN AXIAL END FLOAT OF ROTOR. WHEN THE MACHINERY IS IN OPERATION, THE PERMISSIBLE AXIAL DISPLACEMENT MUST BE TAKEN INTO ACCOUNT DURING INSTALLATION OF THE MACHINERY. ROTOR MECHANICAL END FLOAT IS ± 8 mm (0.315").

DURING THE INITIAL INSTALLATION PLACE 2 mm (0.0787") SHIMS UNDER THE FEET OF THE MOTOR. THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE FOUNDATION. IT SHALL BE SUFFICIENTLY RIGID TO WITHSTAND SHORT CIRCUIT FORCES. TO AVOID RESONANCE VIBRATIONS THE FOUNDATION SHALL BE DESIGNED SO THAT THE NATURAL FREQUENCY OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN ±20% OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.



METRIC [INCH]  
LEFT SIDE VIEW

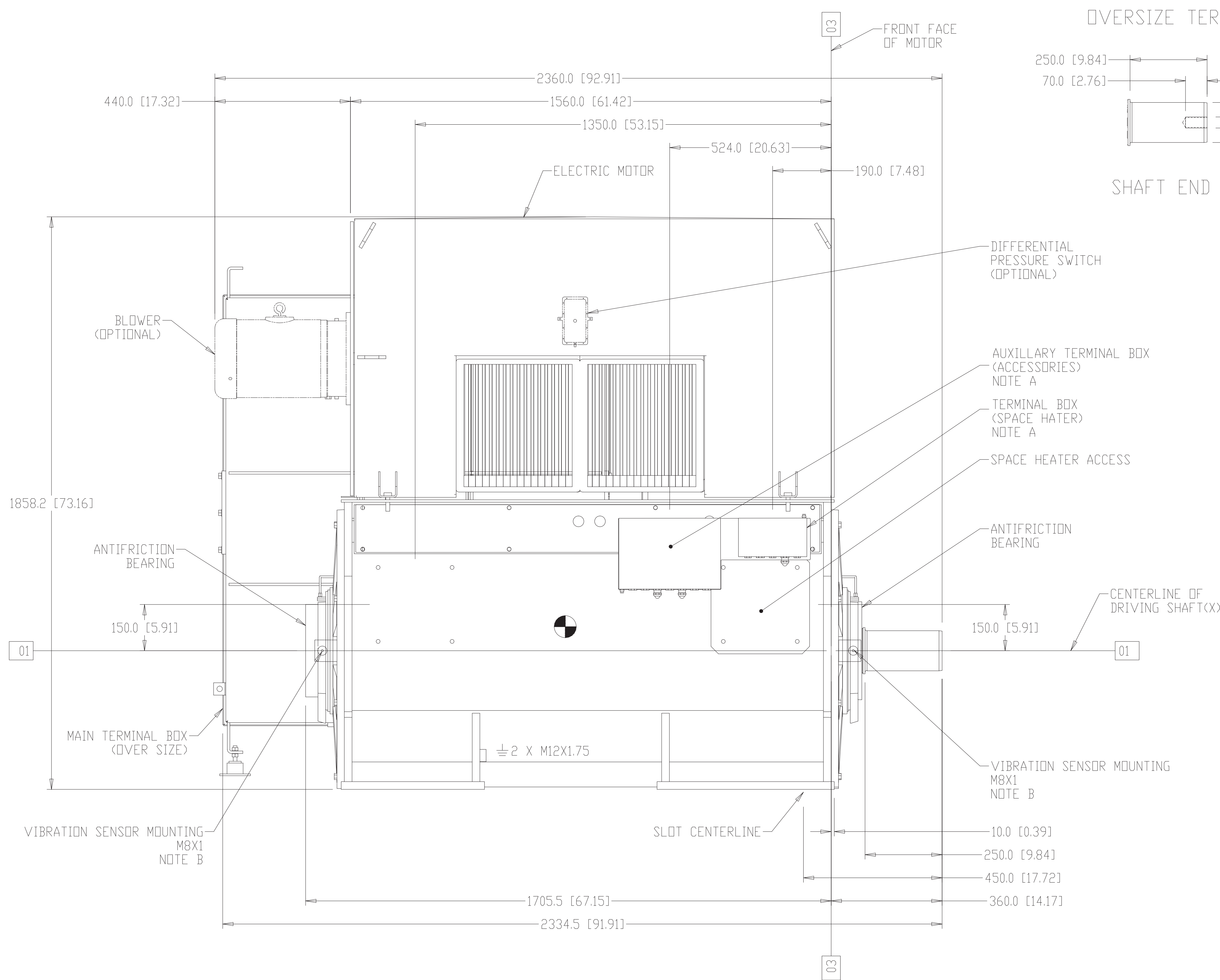
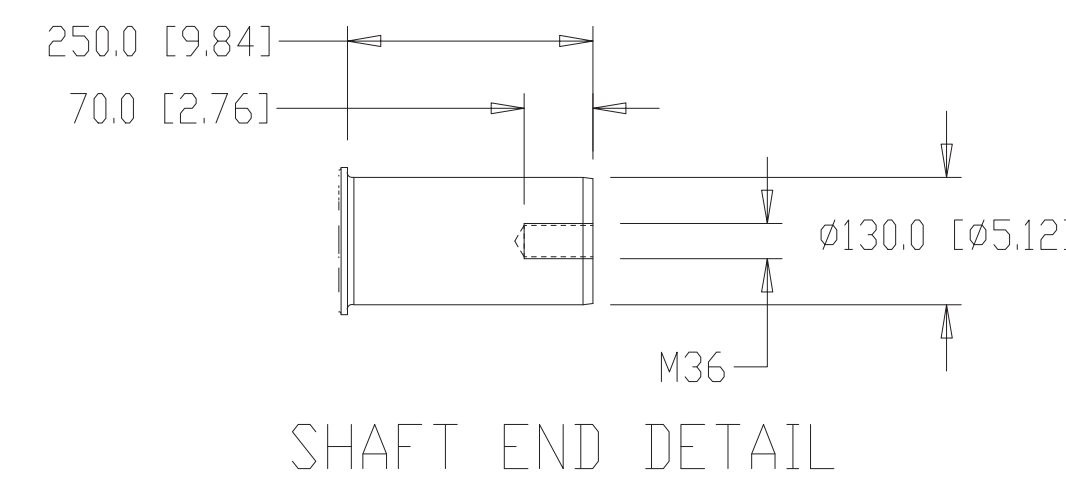


METRIC [INCH]  
NON-DRIVE END VIEW

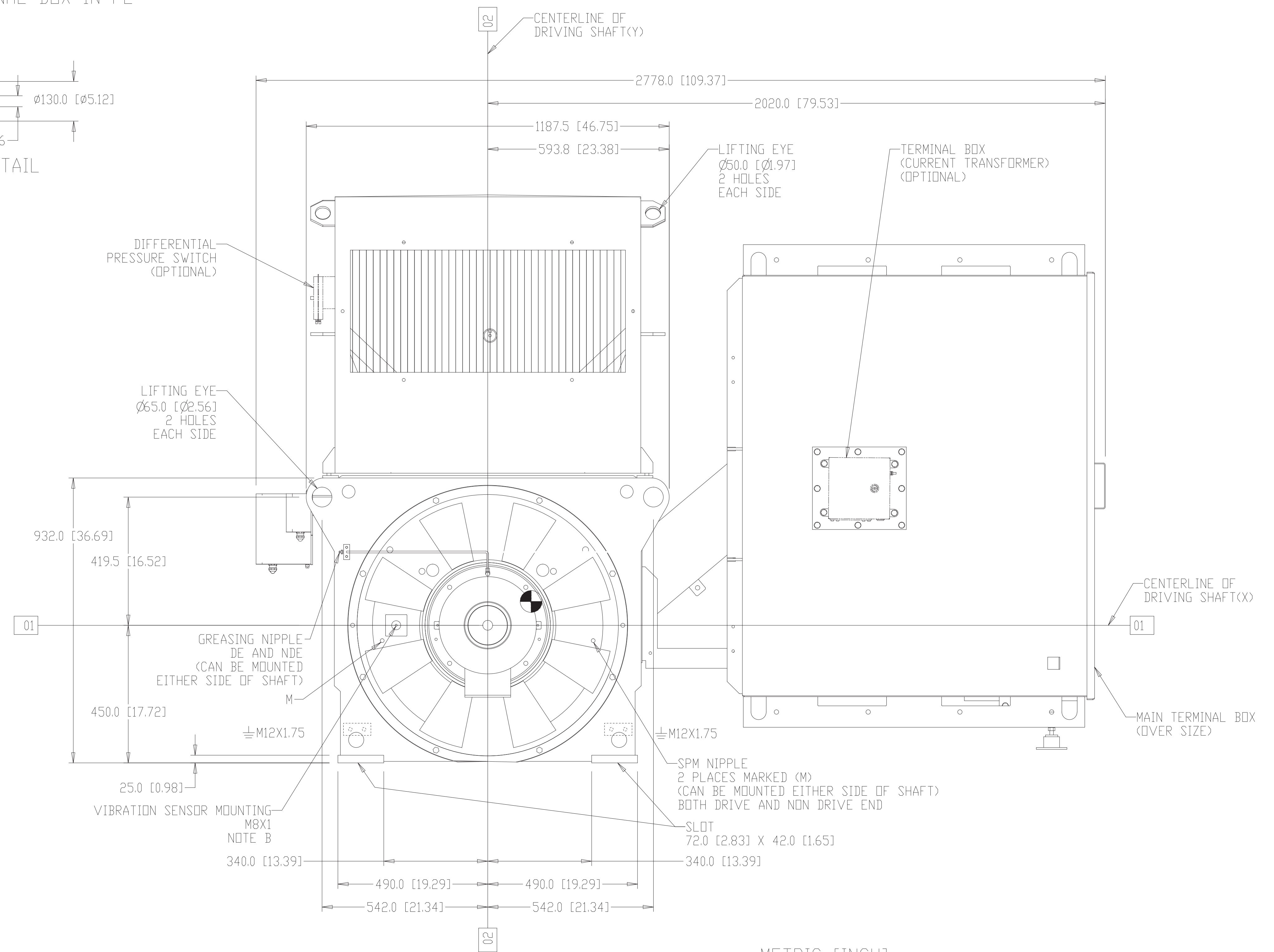
1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROD	OTHER RECORDS
UNLESS OTHERWISE SPECIFIED	VERSION PRIMARY X
DIMENSIONS ARE IN MM	TYPE SECONDARY
DIMENSIONS W/O TOL ARE BASIC	
THIRD ANGLE PROJECTION	SHEET 3
	REV 01 W915
<b>CATERPILLAR</b>	
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CN1566 (1500HP) SLEEVE BEARING	
SPACE CLAIM	VER - 00

FOR NOTES SEE SHEET 1

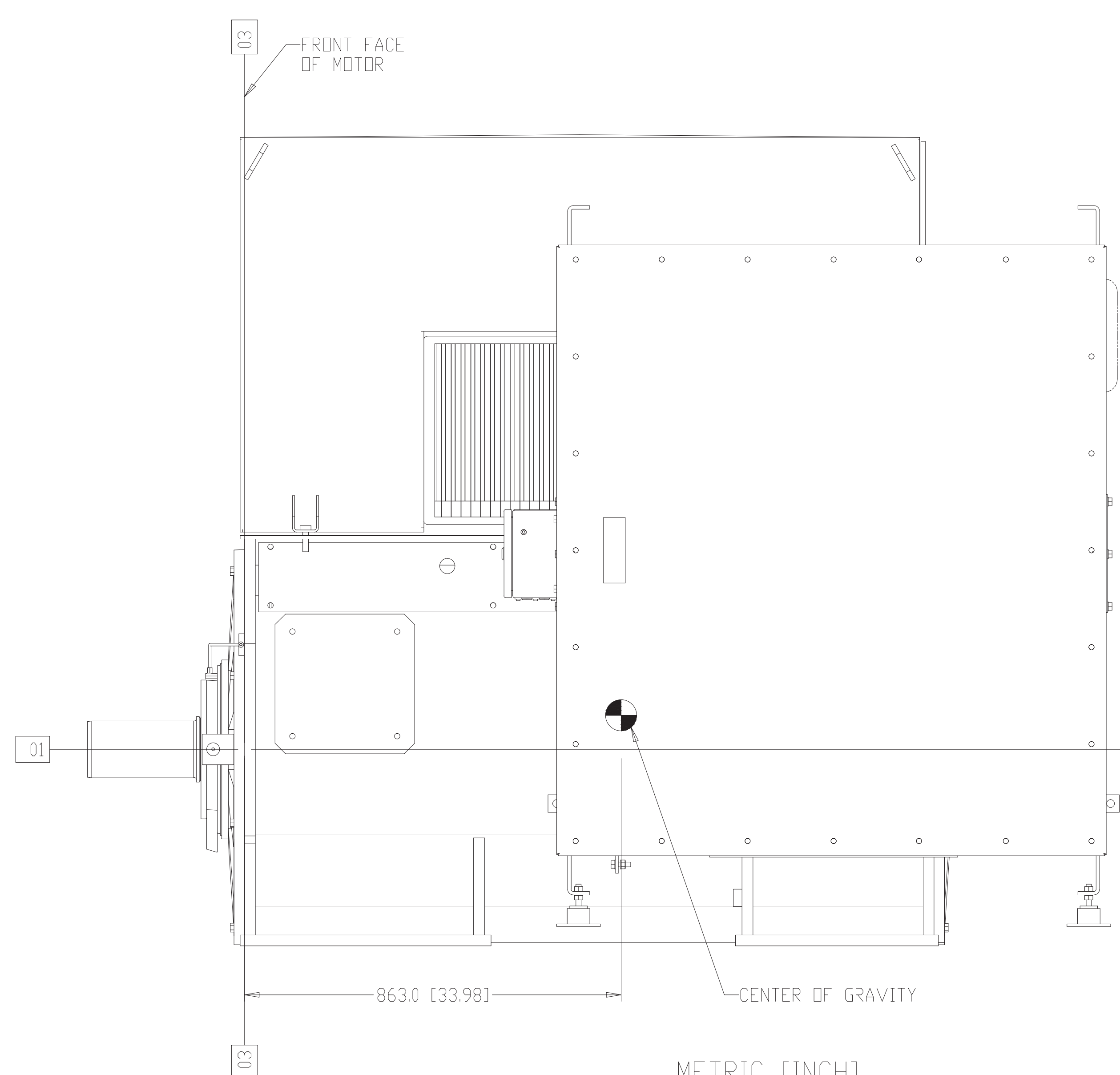
OVERSIZE TERMINAL BOX IN F2



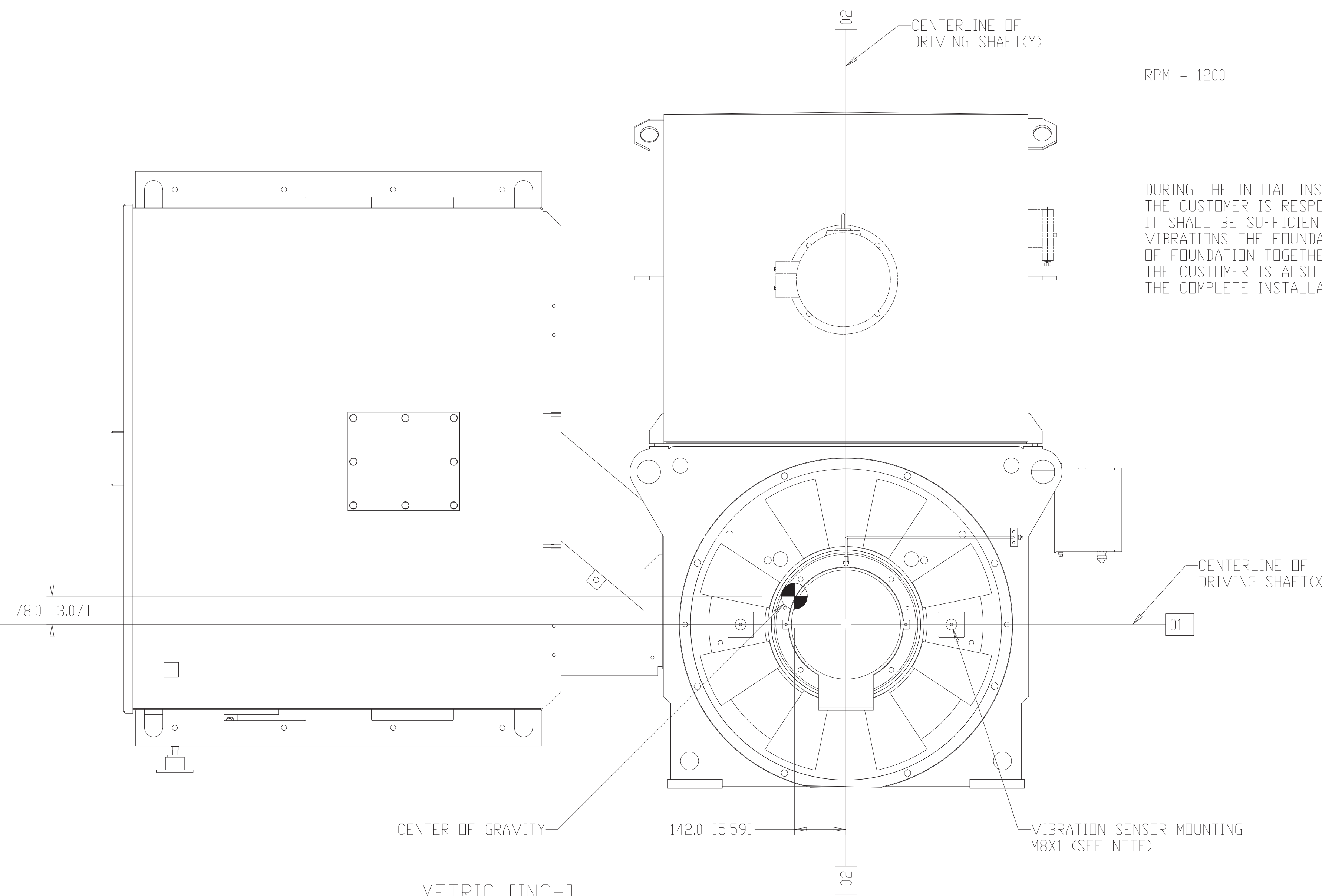
METRIC [INCH] RIGHT SIDE VIEW



METRIC [INCH] DRIVE END VIEW



METRIC [INCH] LEFT SIDE VIEW



METRIC [INCH] NON-DRIVE END VIEW

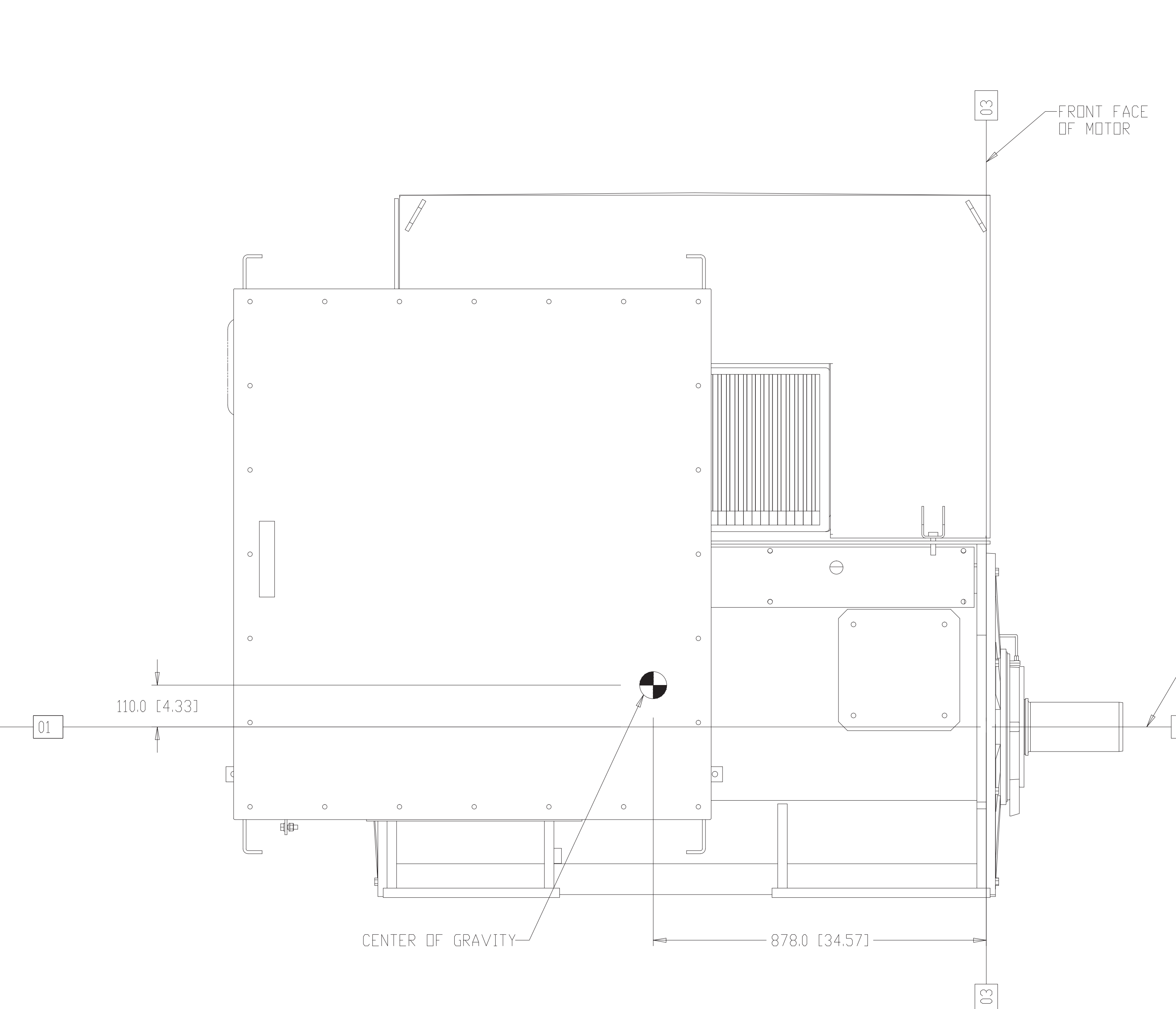
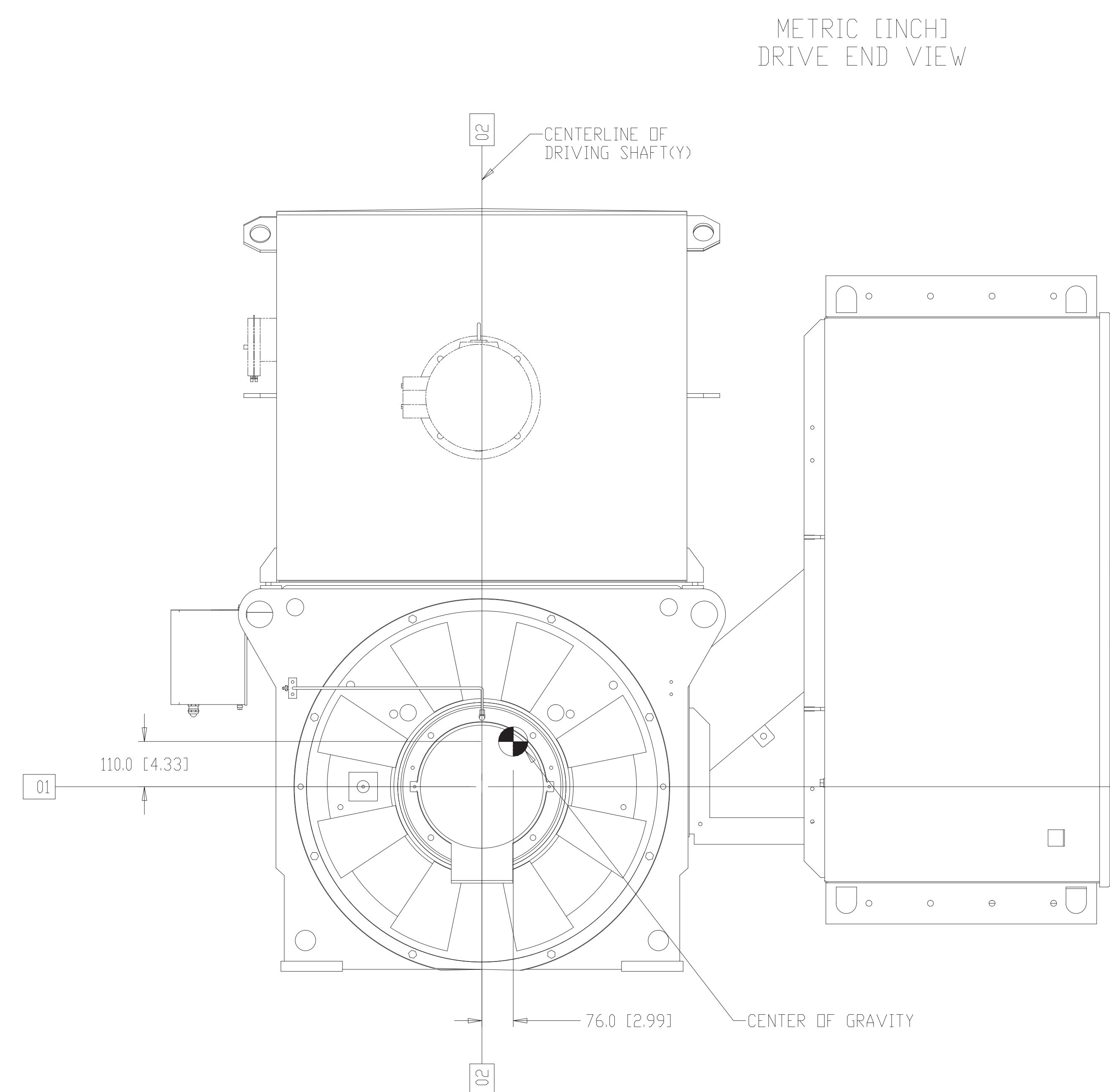
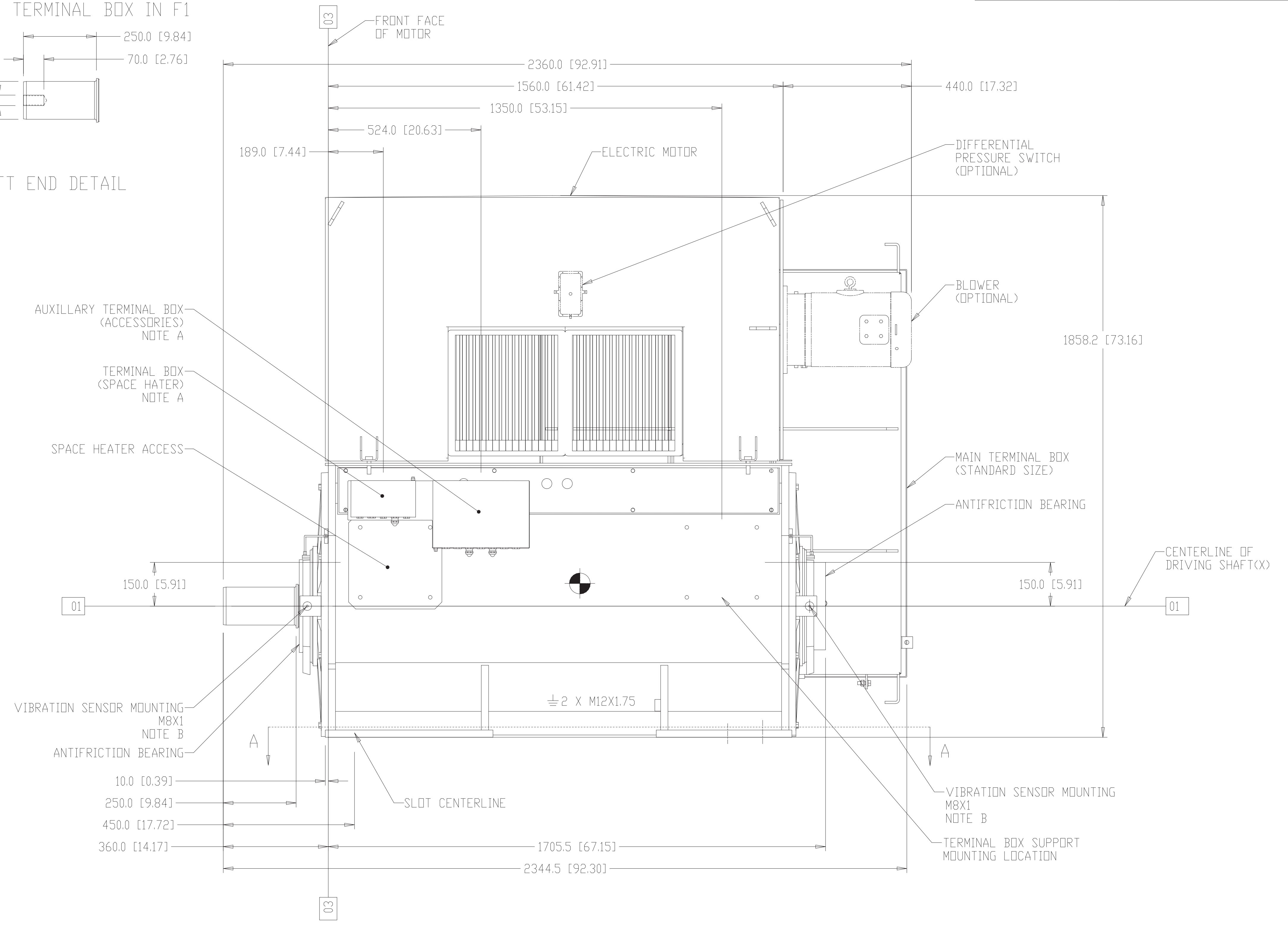
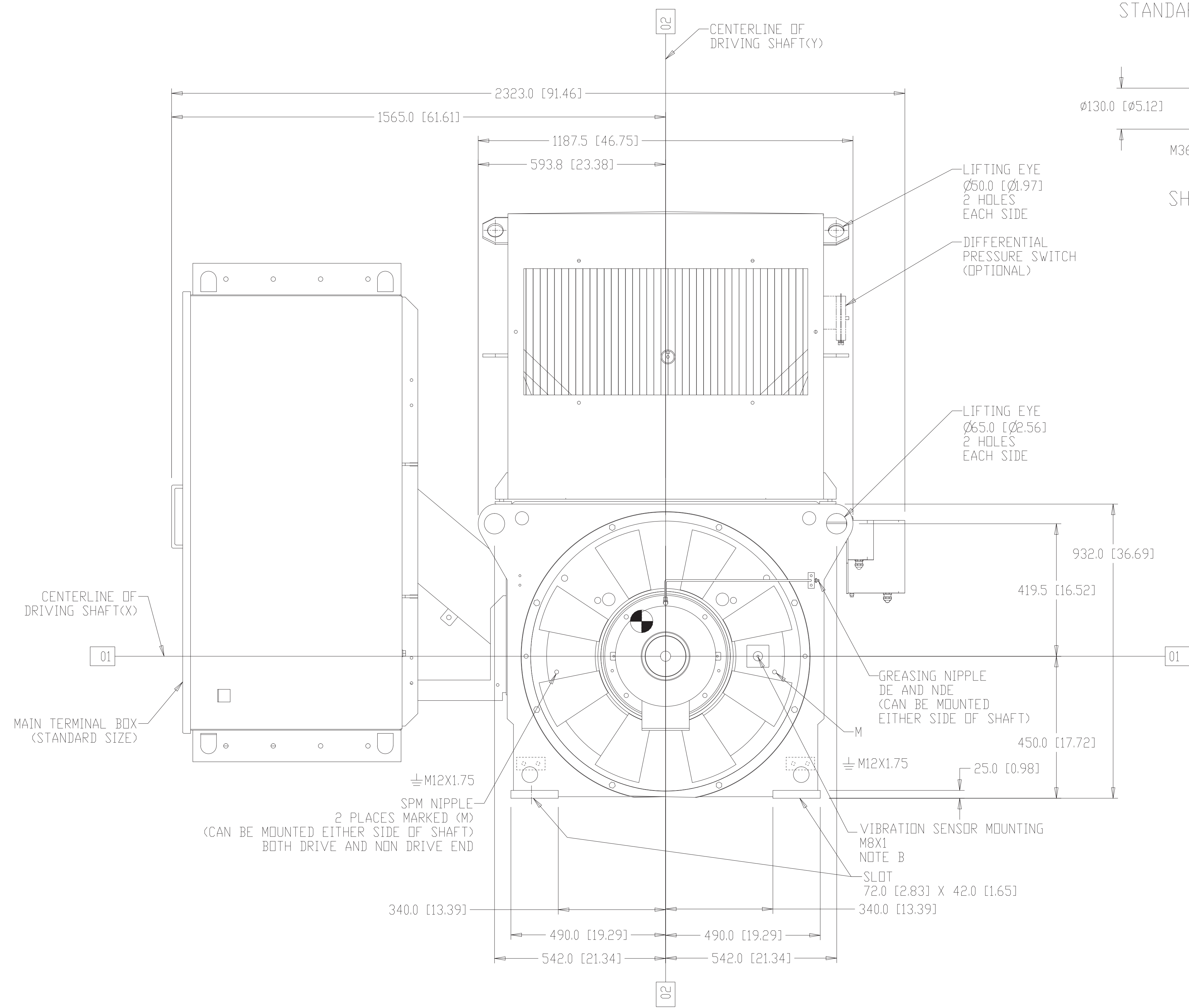
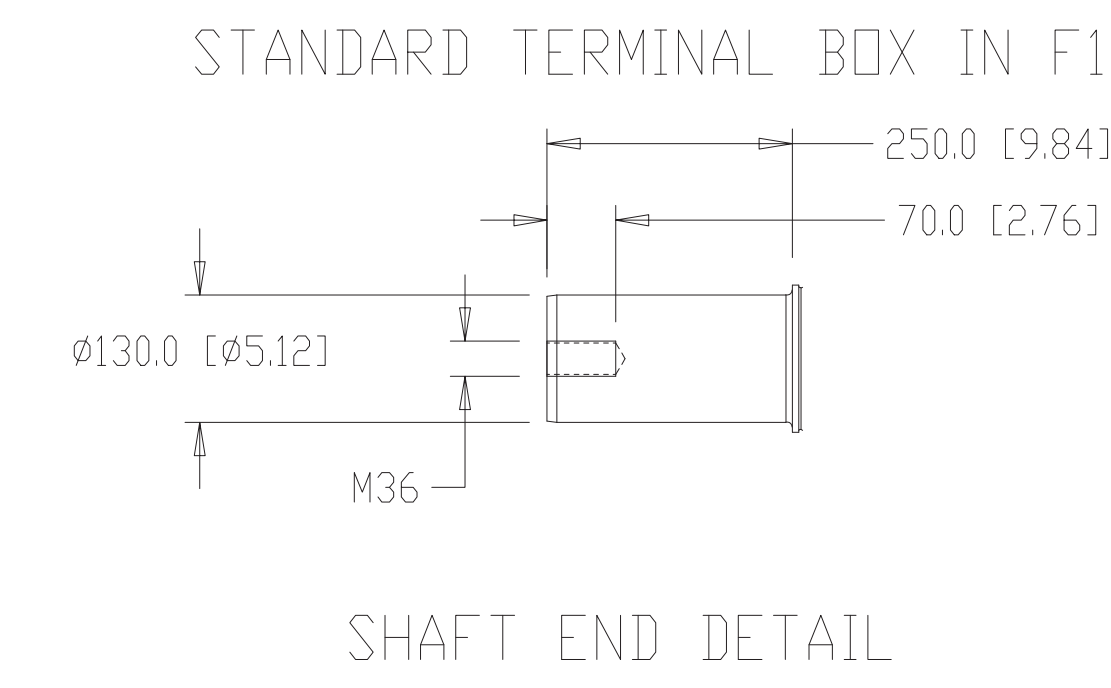
RPM = 1200

DURING THE INITIAL INSTALLATION PLACE 2 mm [0.0787"] SHIMS UNDER THE FEET OF THE MOTOR. THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE FOUNDATION. IT SHALL BE SUFFICIENTLY RIGID TO WITHSTAND SHORT CIRCUIT FORCES. TO AVOID RESONANCE VIBRATIONS THE FOUNDATION SHALL BE DESIGNED SO THAT THE NATURAL FREQUENCY OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN ±20% OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.

1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROJ	OTHER
RECORDS	
UNLESS OTHERWISE SPECIFIED	VERSION PRIMARY X
DIMENSIONS ARE IN MM	TYPE SECONDARY
DIMENSIONS W/D TOL ARE BASIC	
THIRD ANGLE PROJECTION	SHEET 4
	DWG CONTROL W915
<b>CATERPILLAR</b>	
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CN1566 (1500HP)	
ANTI-FRICTION BEARINGS	
VER	CHG
SPACE CLAIM	- 00

FOR NOTES SEE SHEET 1





RPM = 1200

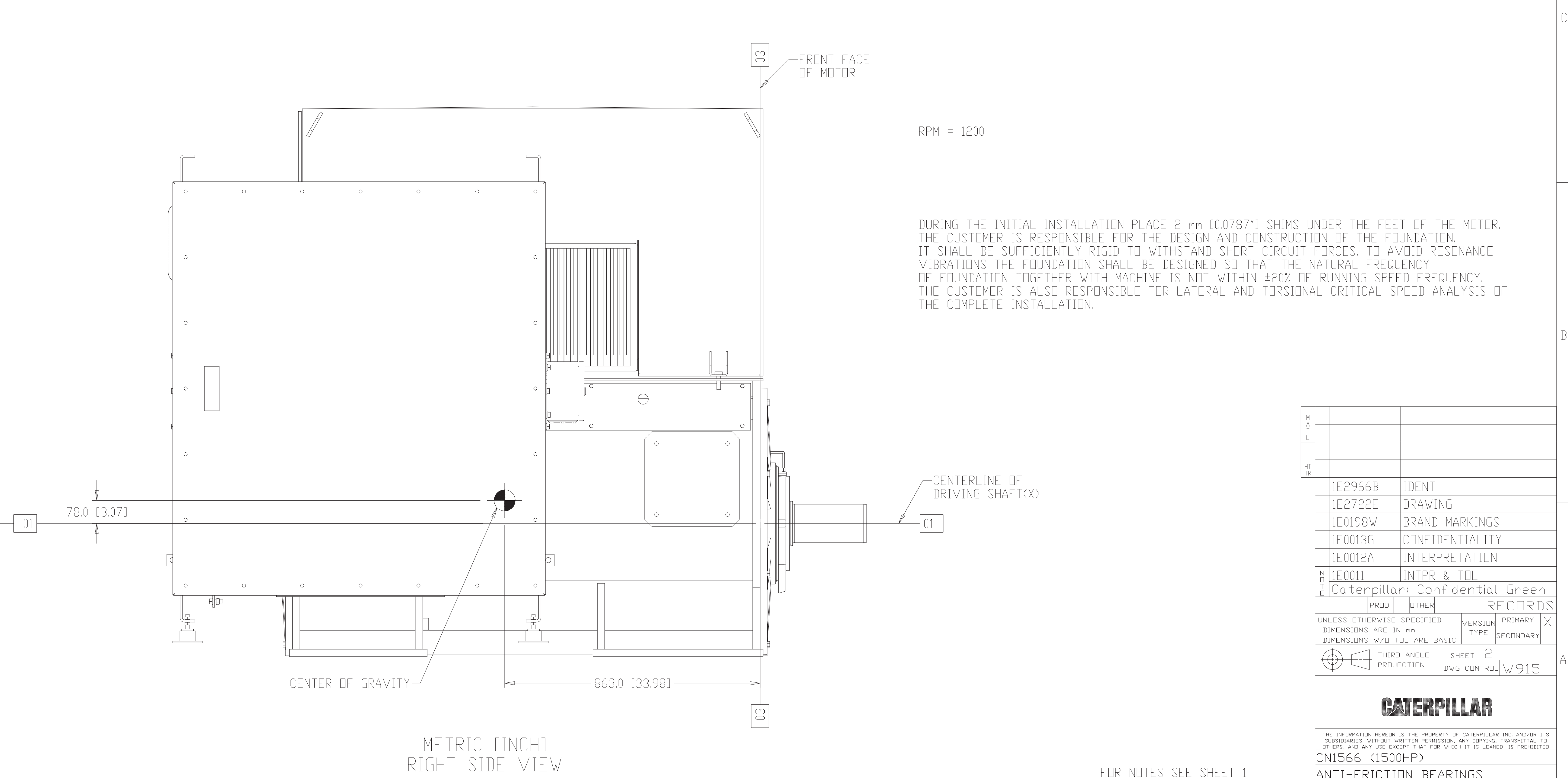
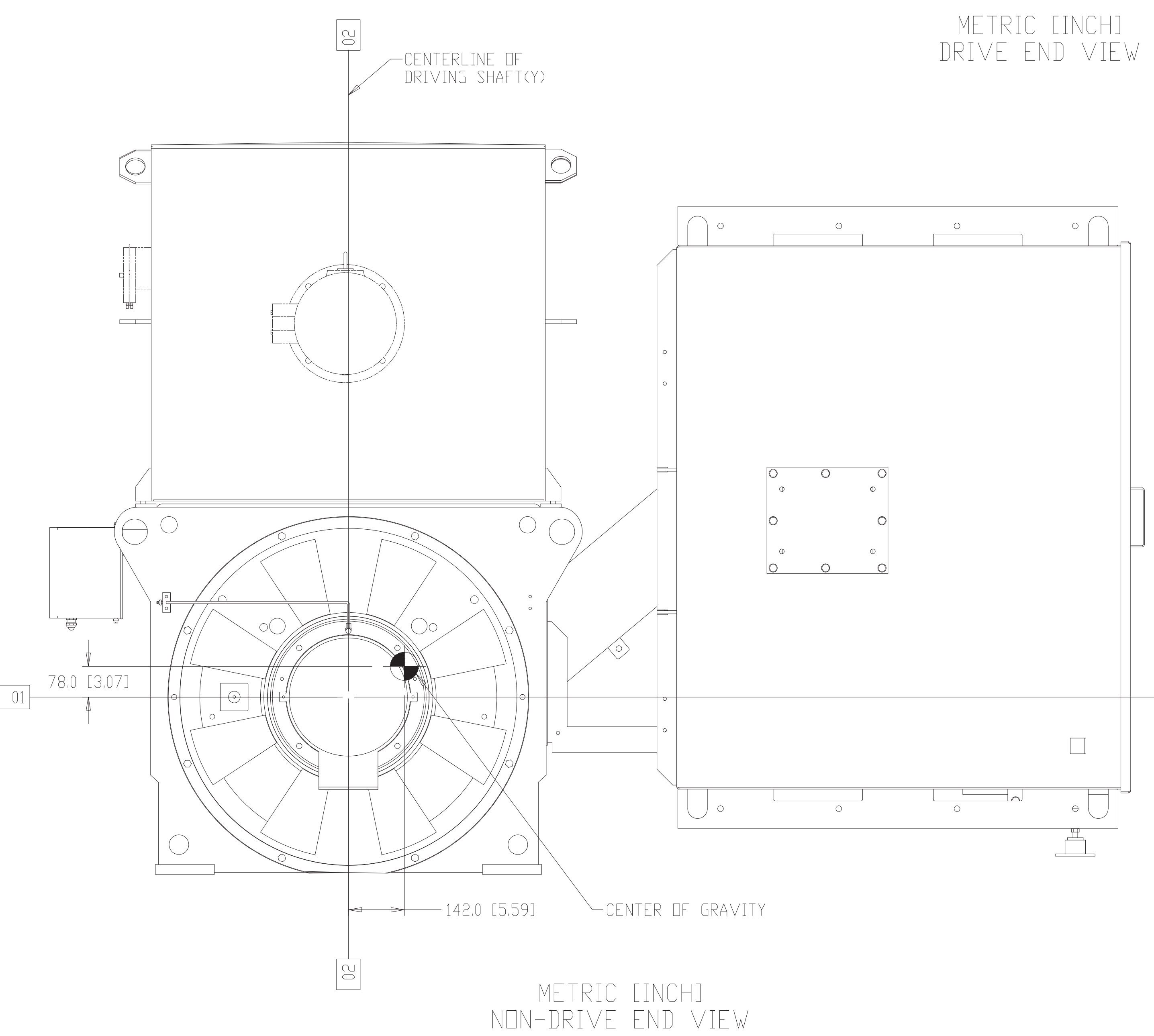
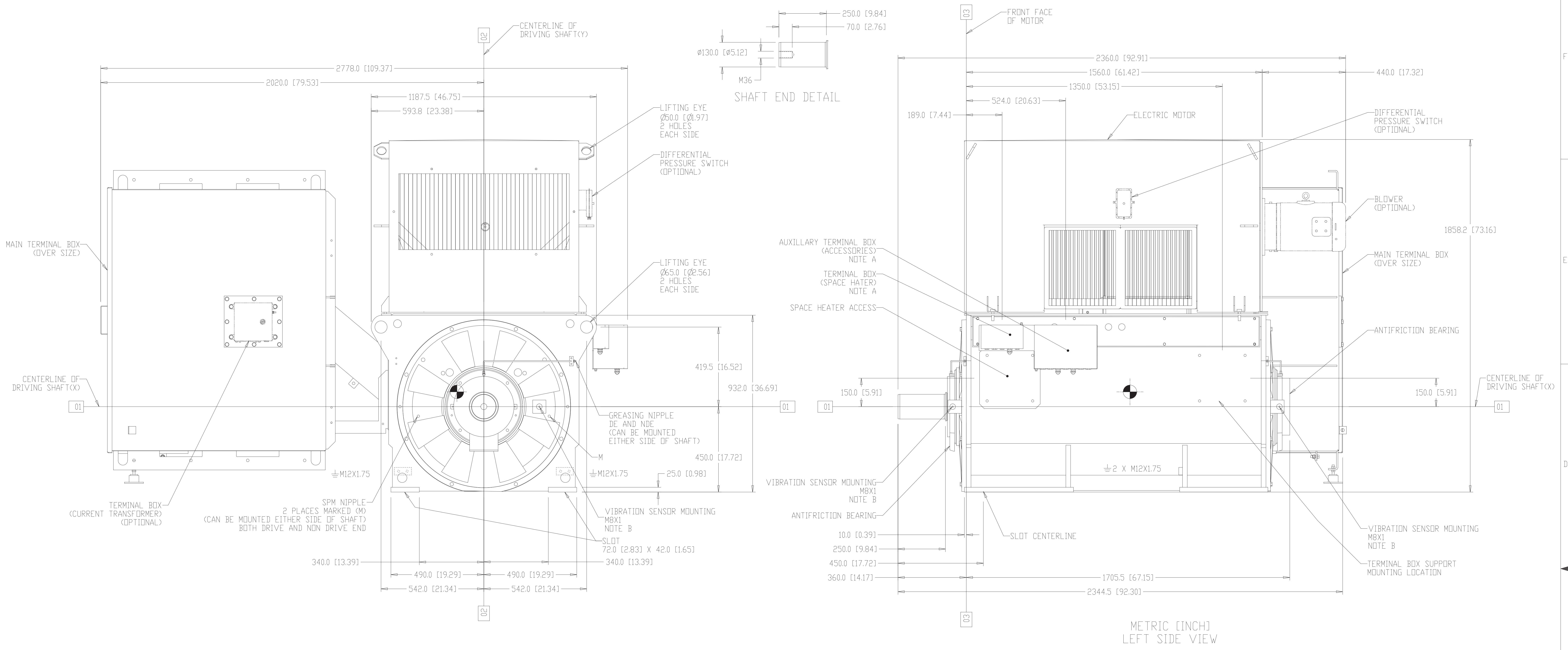
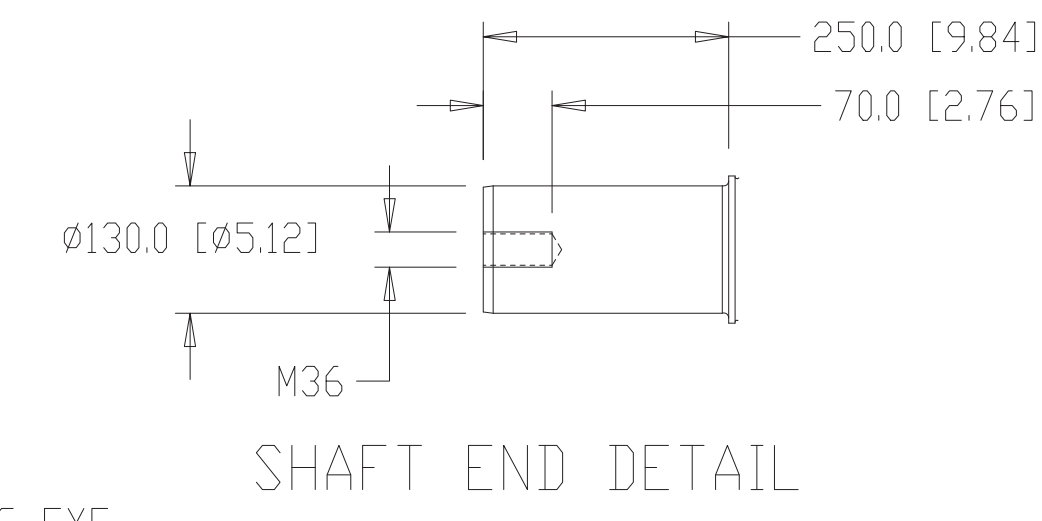
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NOTE A: AUXILIARY TERMINAL BOXES CAN BE FACTORY INSTALLED ON EITHER SIDE OF THE MOTOR.  
 NOTE B: VIBRATION SENSOR MOUNTING BLOCK WILL BE LOCATED ON THE SAME SIDE OF THE MOTOR AS THE AUXILIARY TERMINAL BOX

1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROJ	OTHER RECORDS
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN MM	VERSION PRIMARY X
DIMENSIONS W/D TOL ARE BASIC	TYPE SECONDARY
THIRD ANGLE PROJECTION	SHEET 1
	DWG CONTROL W915
<b>CATERPILLAR</b>	
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CN1566 (1500HP)	
ANTI-FRICTION BEARINGS	
VER	CHG
—	00



OVERSIZE TERMINAL BOX IN F1



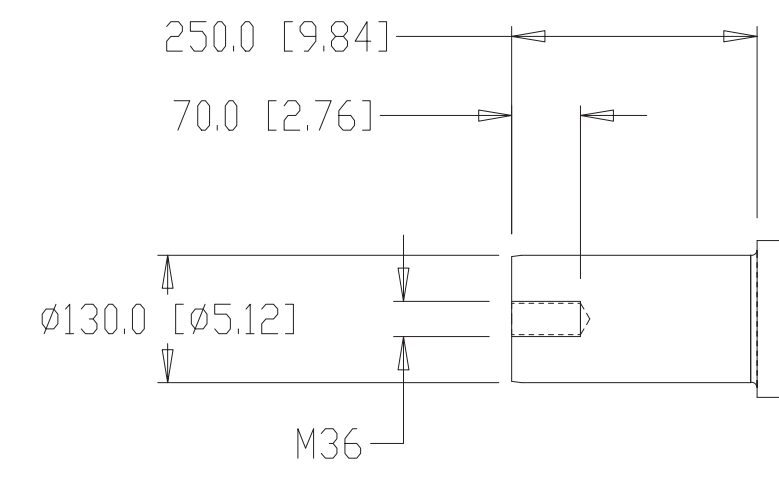
RPM = 1200

DURING THE INITIAL INSTALLATION PLACE 2 mm [0.0787"] SHIMS UNDER THE FEET OF THE MOTOR. THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE FOUNDATION. IT SHALL BE SUFFICIENTLY RIGID TO WITHSTAND SHORT CIRCUIT FORCES. TO AVOID RESONANCE VIBRATIONS THE FOUNDATION SHALL BE DESIGNED SO THAT THE NATURAL FREQUENCY OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN ±20% OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.

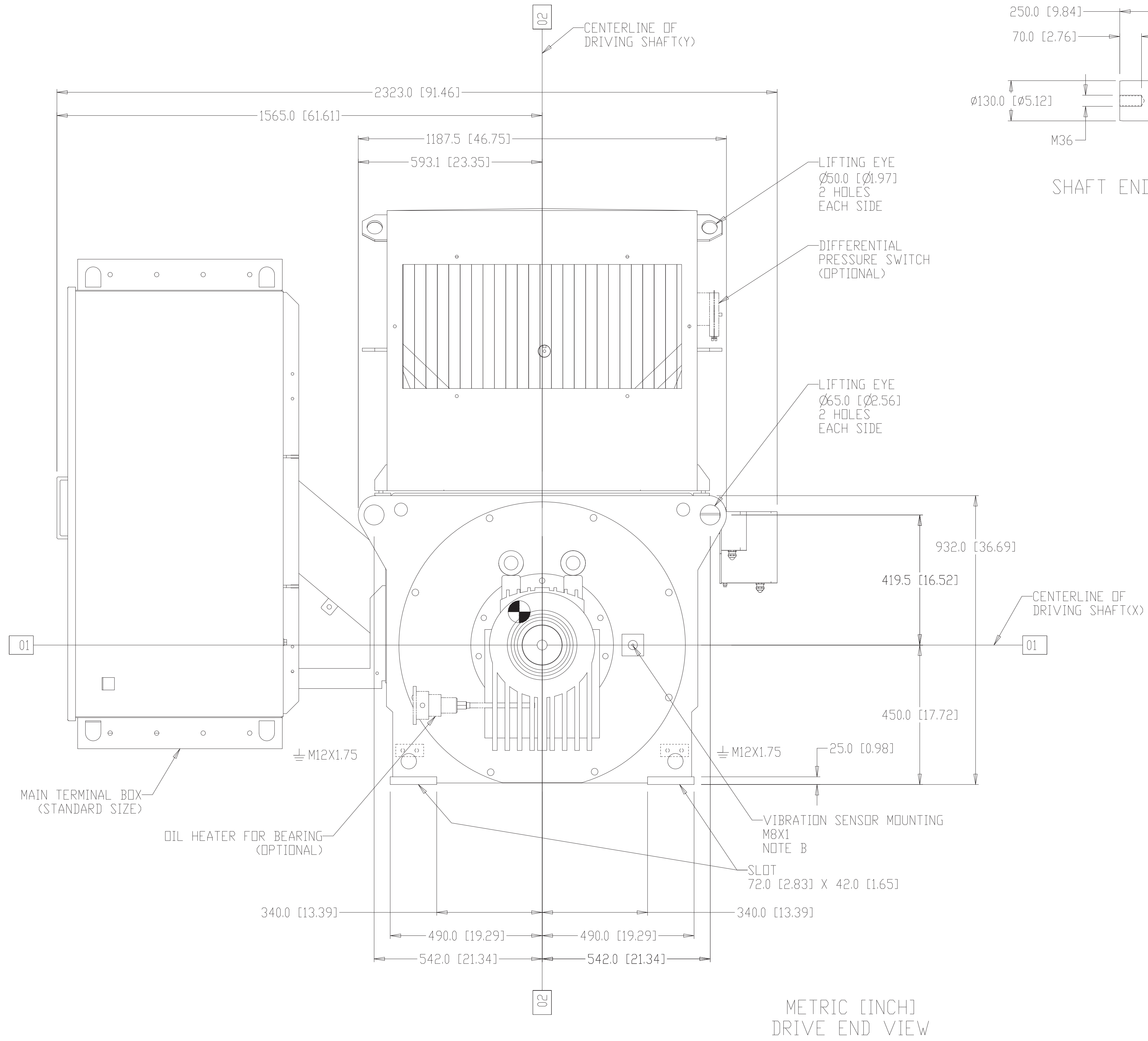
1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROJ	OTHER RECORDS
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN MM	VERSION PRIMARY X
DIMENSIONS W/O TOL ARE BASIC	TYPE SECONDARY
THIRD ANGLE PROJECTION	SHEET 2
	DWG CONTROL W915
<b>CATERPILLAR</b>	
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CN1566 (1500HP)	
ANTI-FRICTION BEARINGS	
SPAC CLAIM	VER CHG
-	00

FOR NOTES SEE SHEET 1

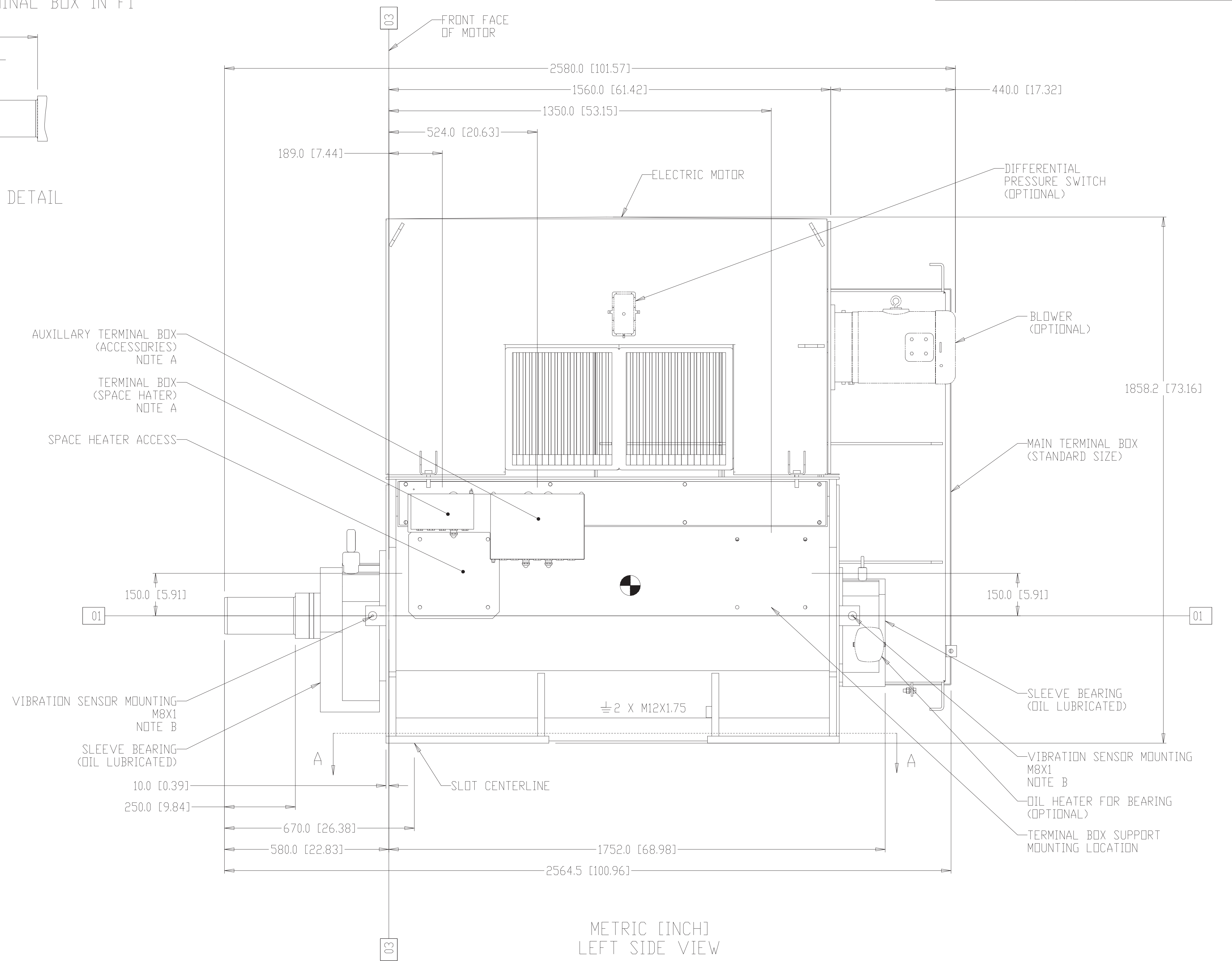
STANDARD TERMINAL BOX IN F1



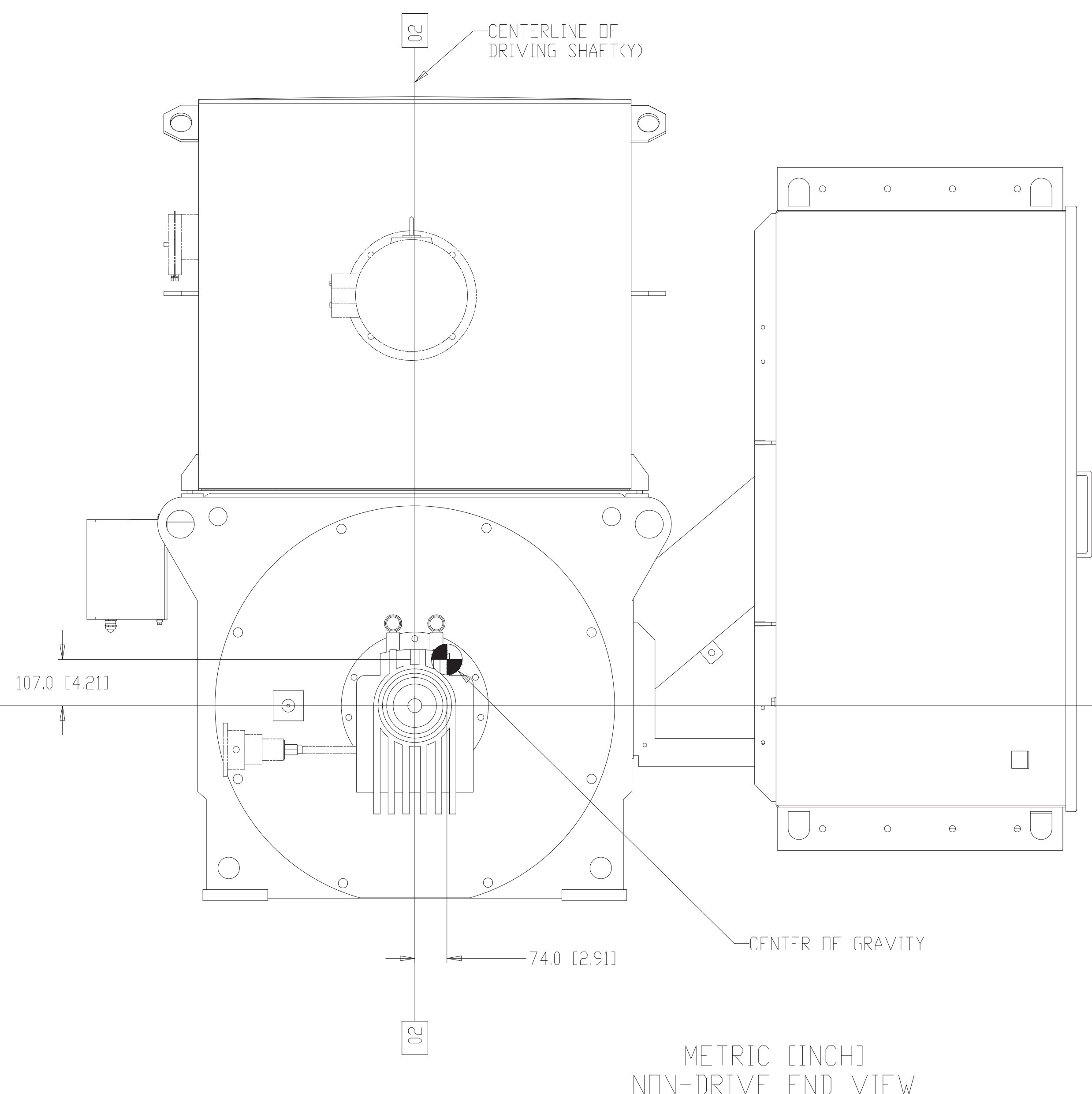
SHAFT END DETAIL



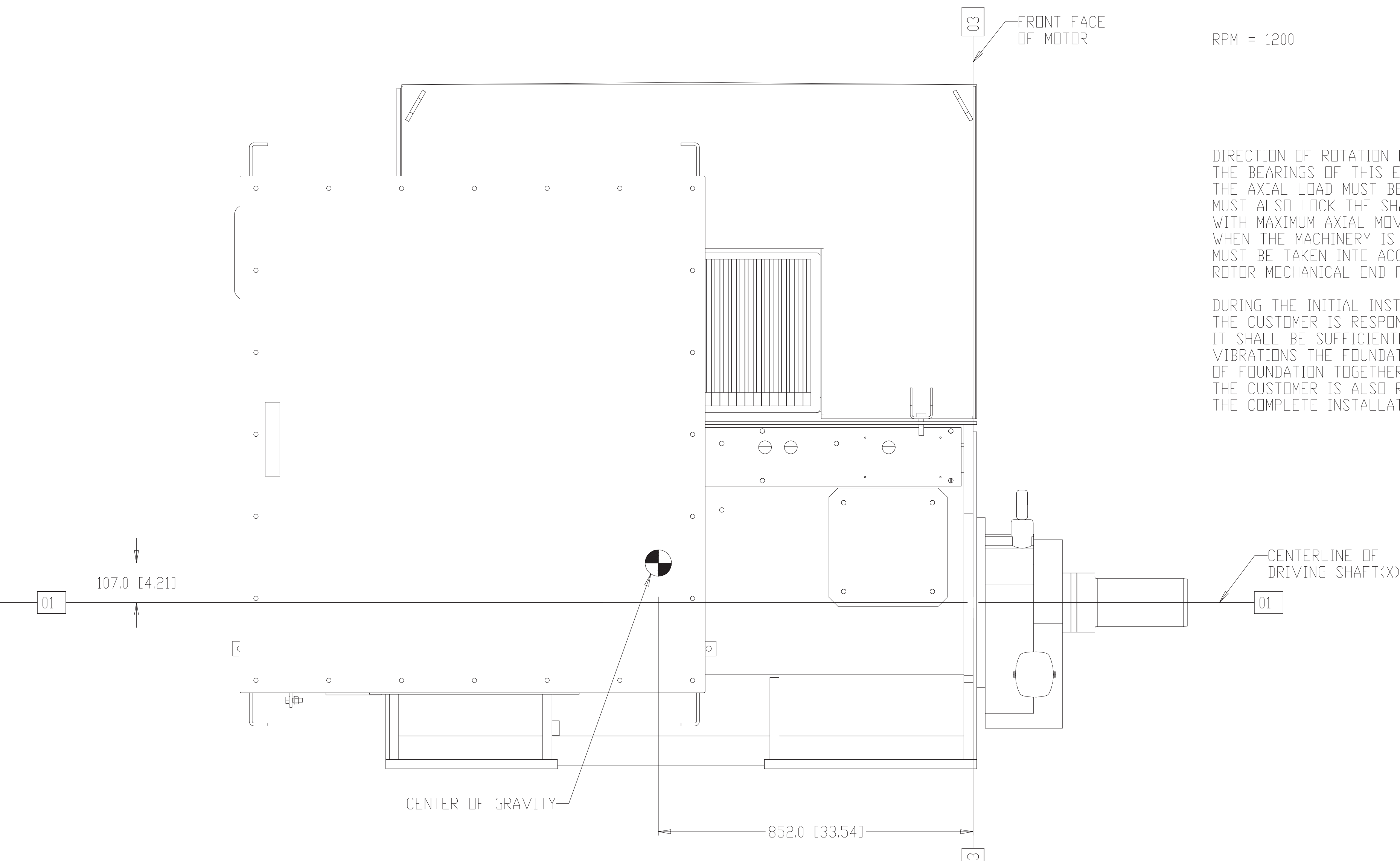
METRIC [INCH] DRIVE END VIEW



METRIC [INCH] LEFT SIDE VIEW



METRIC [INCH] NON-DRIVE END VIEW



METRIC [INCH] RIGHT SIDE VIEW

RPM = 1200

DIRECTION OF ROTATION LOOKING AT DE SHAFT EXTENSION. THE BEARINGS OF THIS ELECTRIC MACHINE DO NOT WITHSTAND CONTINUOUS AXIAL FORCES. THE AXIAL LOAD MUST BE CARRIED BY THE BEARINGS OF THE DRIVEN MACHINE, WHICH MUST ALSO LOCK THE SHAFT SYSTEM AXIALLY. THE COUPLING MUST BE LIMITED TYPE WITH MAXIMUM AXIAL MOVEMENT LESS THAN AXIAL END FLOAT OF ROTOR. WHEN THE MACHINERY IS IN OPERATION, THE PERMISSIBLE AXIAL DISPLACEMENT MUST BE TAKEN INTO ACCOUNT DURING INSTALLATION OF THE MACHINERY. ROTOR MECHANICAL END FLOAT IS ± 8 mm [0.315"].

DURING THE INITIAL INSTALLATION PLACE 2 mm [0.0787"] SHIMS UNDER THE FEET OF THE MOTOR. THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE FOUNDATION. IT SHALL BE SUFFICIENTLY RIGID TO WITHSTAND SHORT CIRCUIT FORCES. TO AVOID RESONANCE VIBRATIONS THE FOUNDATION SHALL BE DESIGNED SO THAT THE NATURAL FREQUENCY OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN ±20% OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.

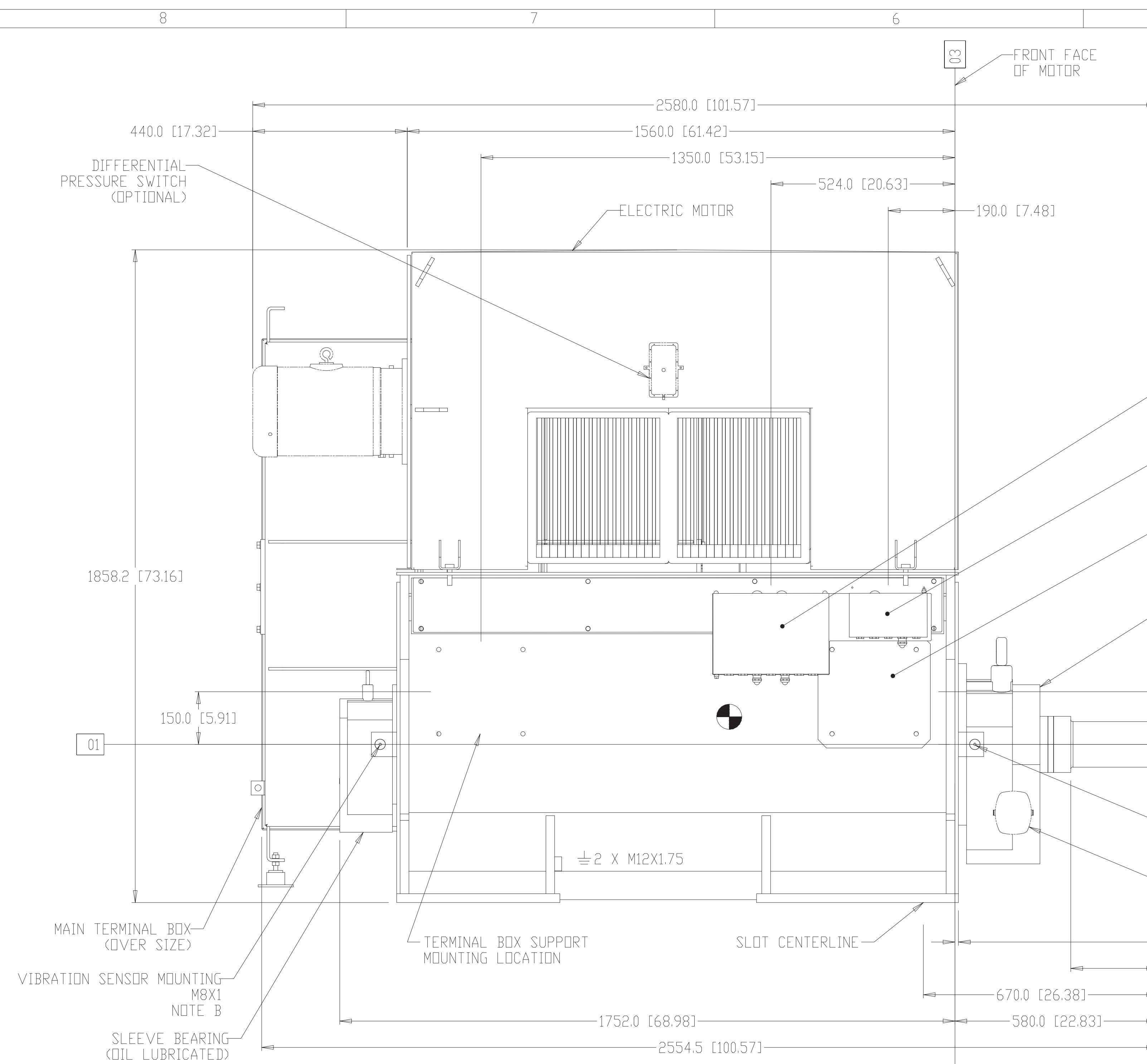
NOTE A: AUXILIARY TERMINAL BOXES CAN BE FACTORY INSTALLED ON EITHER SIDE OF THE MOTOR.  
NOTE B: VIBRATION SENSOR MOUNTING BLOCK WILL BE LOCATED ON THE SAME SIDE OF THE MOTOR AS THE AUXILIARY TERMINAL BOX

Table with columns for revision, description, and date. Includes a title block with part number 1E2966B and manufacturer Caterpillar.

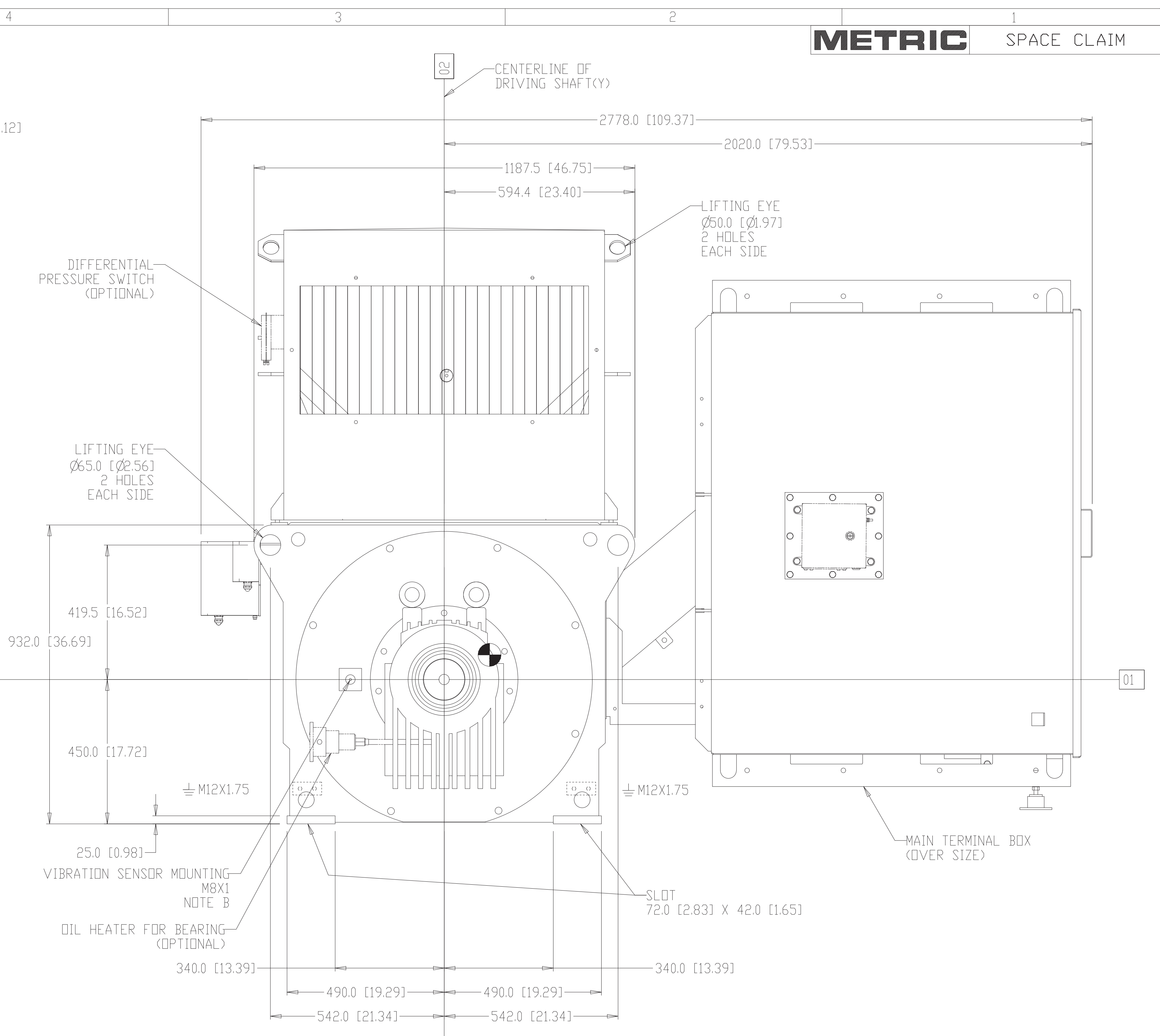
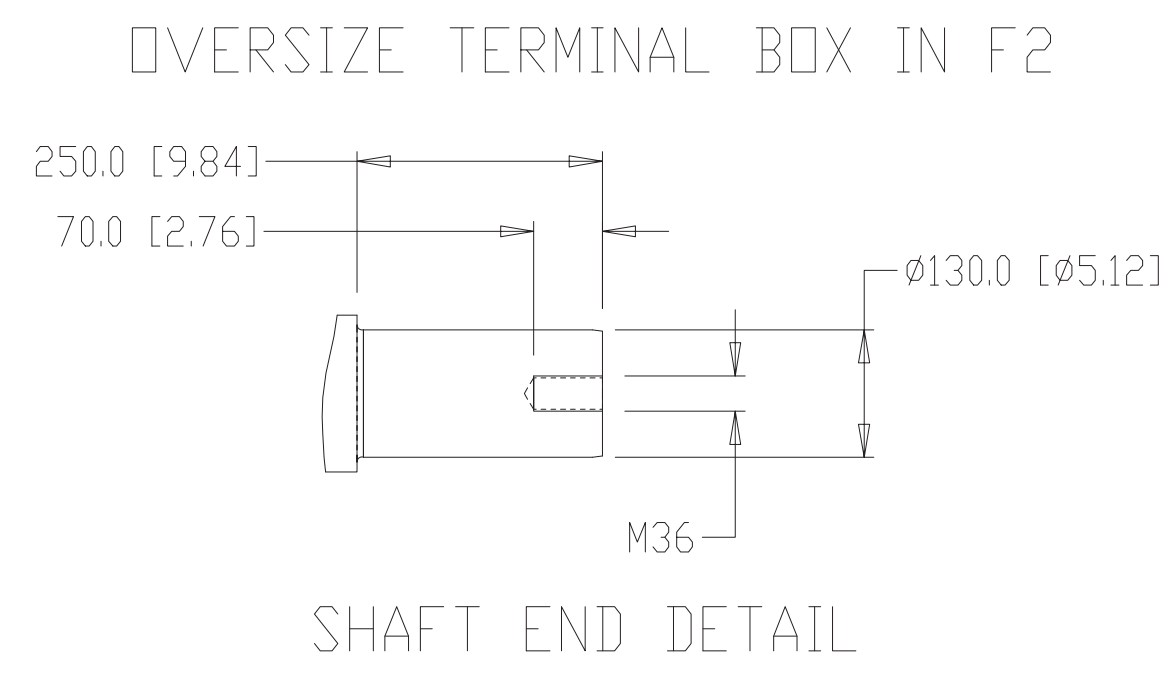


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM DIMENSIONS W/D TOL ARE BASIC  
THIRD ANGLE PROJECTION SHEET 1 OF 1  
SPACE CLAIM

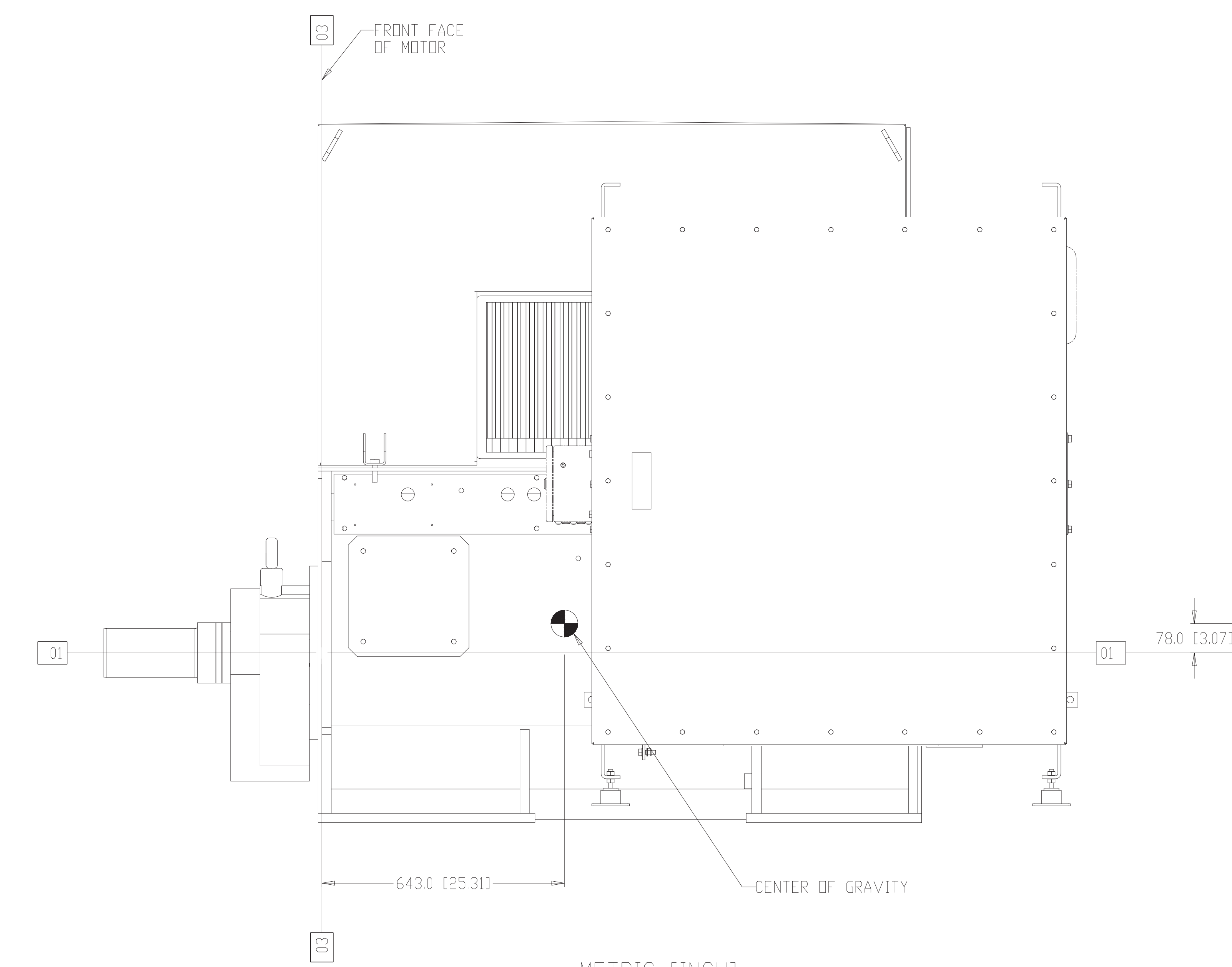




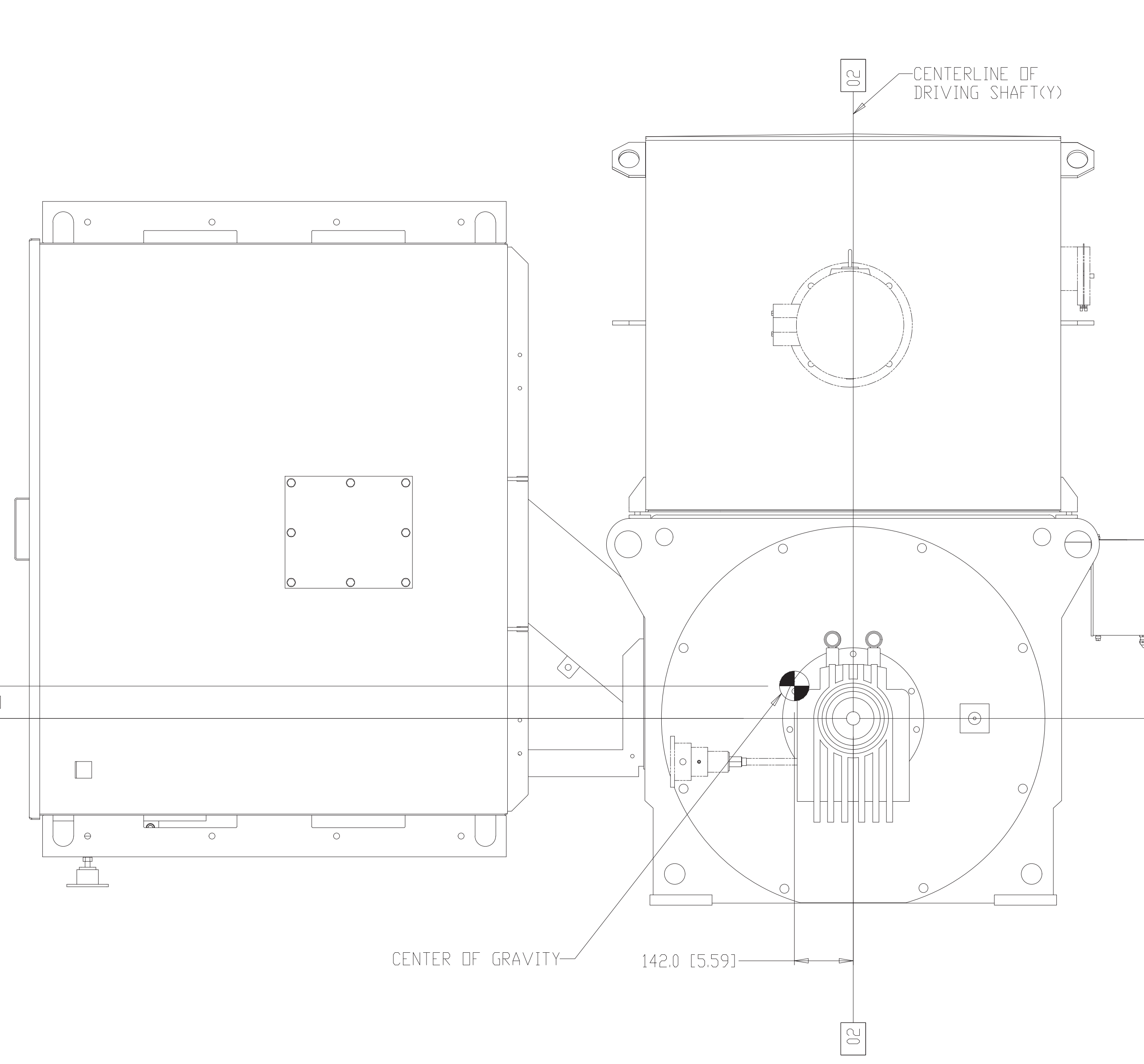
METRIC [INCH] RIGHT SIDE VIEW



METRIC [INCH] DRIVE END VIEW



METRIC [INCH] LEFT SIDE VIEW



METRIC [INCH] NON-DRIVE END VIEW

RPM = 1200

DIRECTION OF ROTATION LOOKING AT DE SHAFT EXTENSION. THE BEARINGS OF THIS ELECTRIC MACHINE DO NOT WITHSTAND CONTINUOUS AXIAL FORCES. THE AXIAL LOAD MUST BE CARRIED BY THE BEARINGS OF THE DRIVEN MACHINE, WHICH MUST ALSO LOCK THE SHAFT SYSTEM AXIALLY. THE COUPLING MUST BE LIMITED TYPE WITH MAXIMUM AXIAL MOVEMENT LESS THAN AXIAL END FLDAT OF ROTOR. WHEN THE MACHINERY IS IN OPERATION, THE PERMISSIBLE AXIAL DISPLACEMENT MUST BE TAKEN INTO ACCOUNT DURING INSTALLATION OF THE MACHINERY. ROTOR MECHANICAL END FLDAT IS  $\pm 8$  mm [0.315"].

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REV	DESCRIPTION	DATE
1	ISSUE FOR PRODUCTION	

1E2966B	IDENT	
1E2722E	DRAWING	
1E0198W	BRAND MARKINGS	
1E0013G	CONFIDENTIALITY	
1E0012A	INTERPRETATION	
1E0011	INTPR & TOL	
Caterpillar: Confidential Green		
PROD	OTHER	RECORDS
UNLESS OTHERWISE SPECIFIED		
DIMENSIONS ARE IN MM	VERSION	PRIMARY
DIMENSIONS W/O TOL ARE BASIC	TYPE	SECONDARY
THIRD ANGLE PROJECTION	SHEET 4	
	CAT	W 915

**CATERPILLAR**

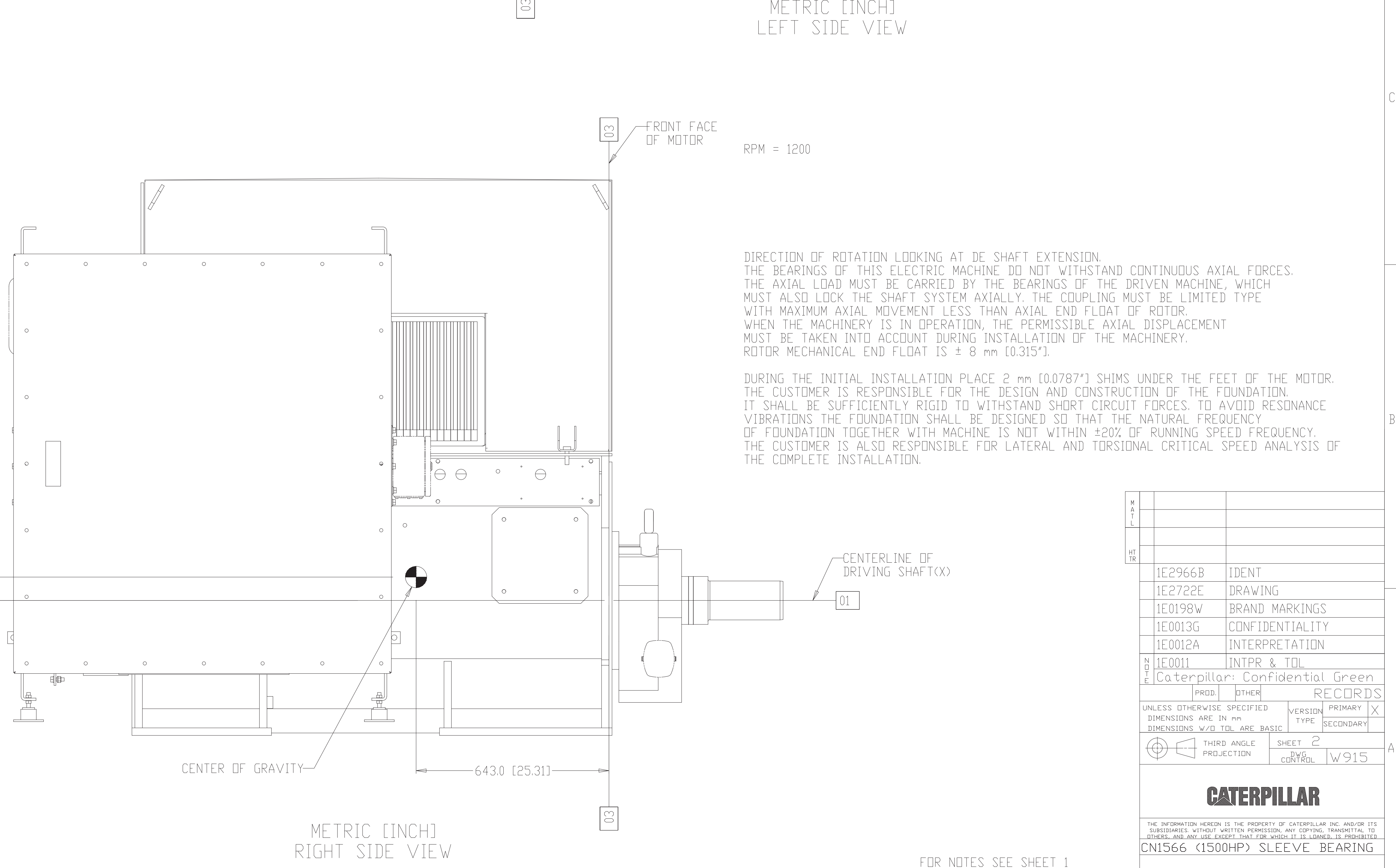
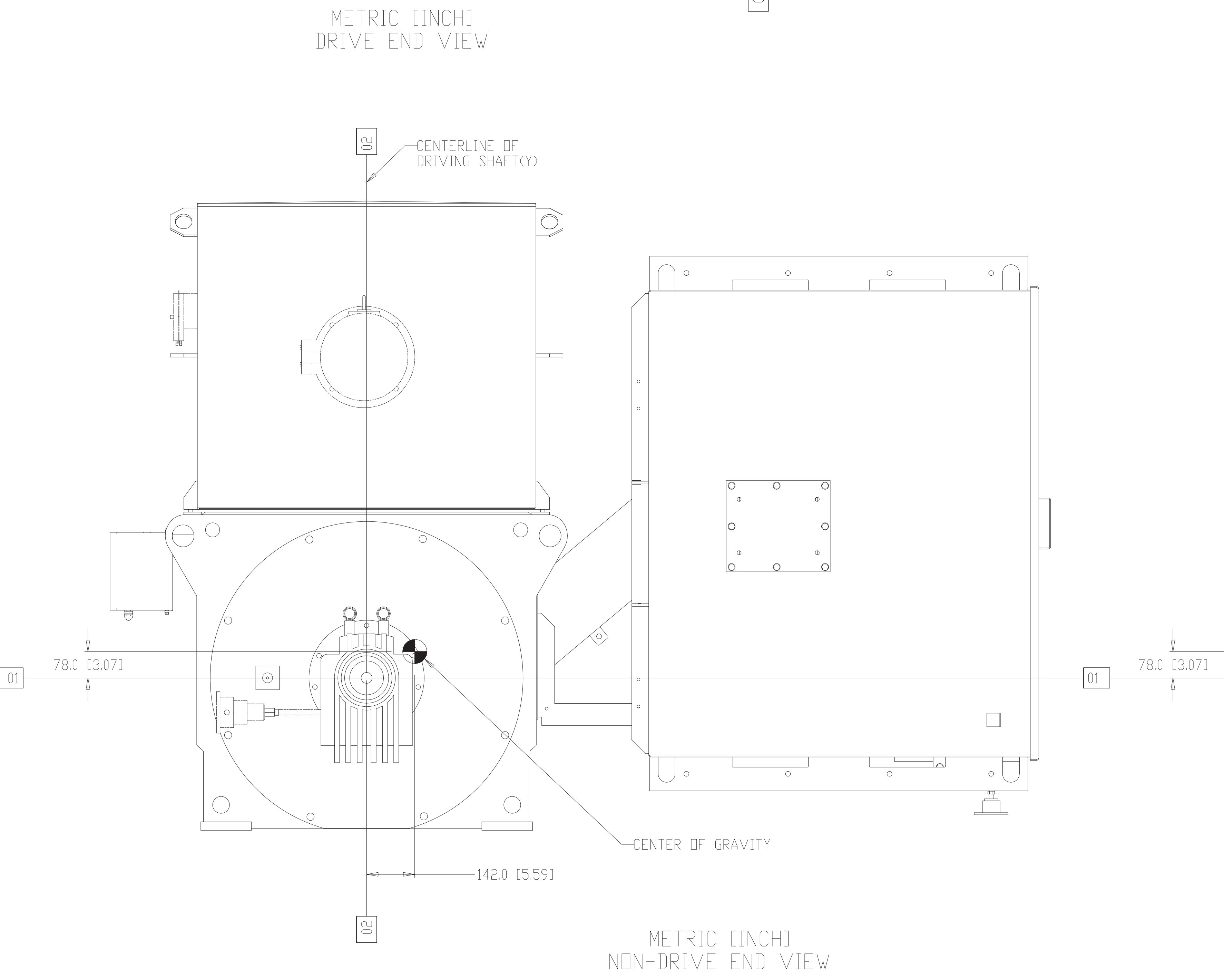
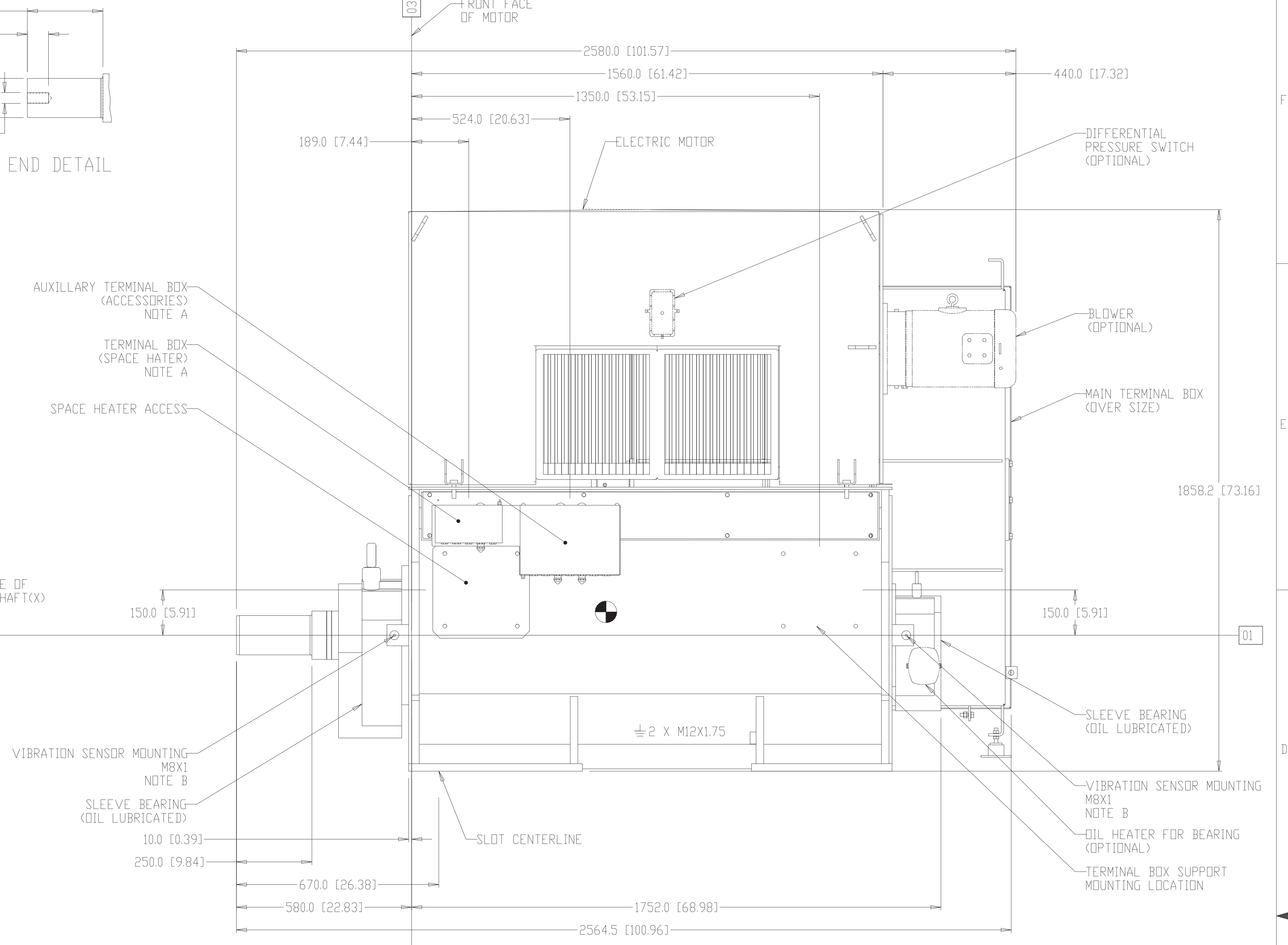
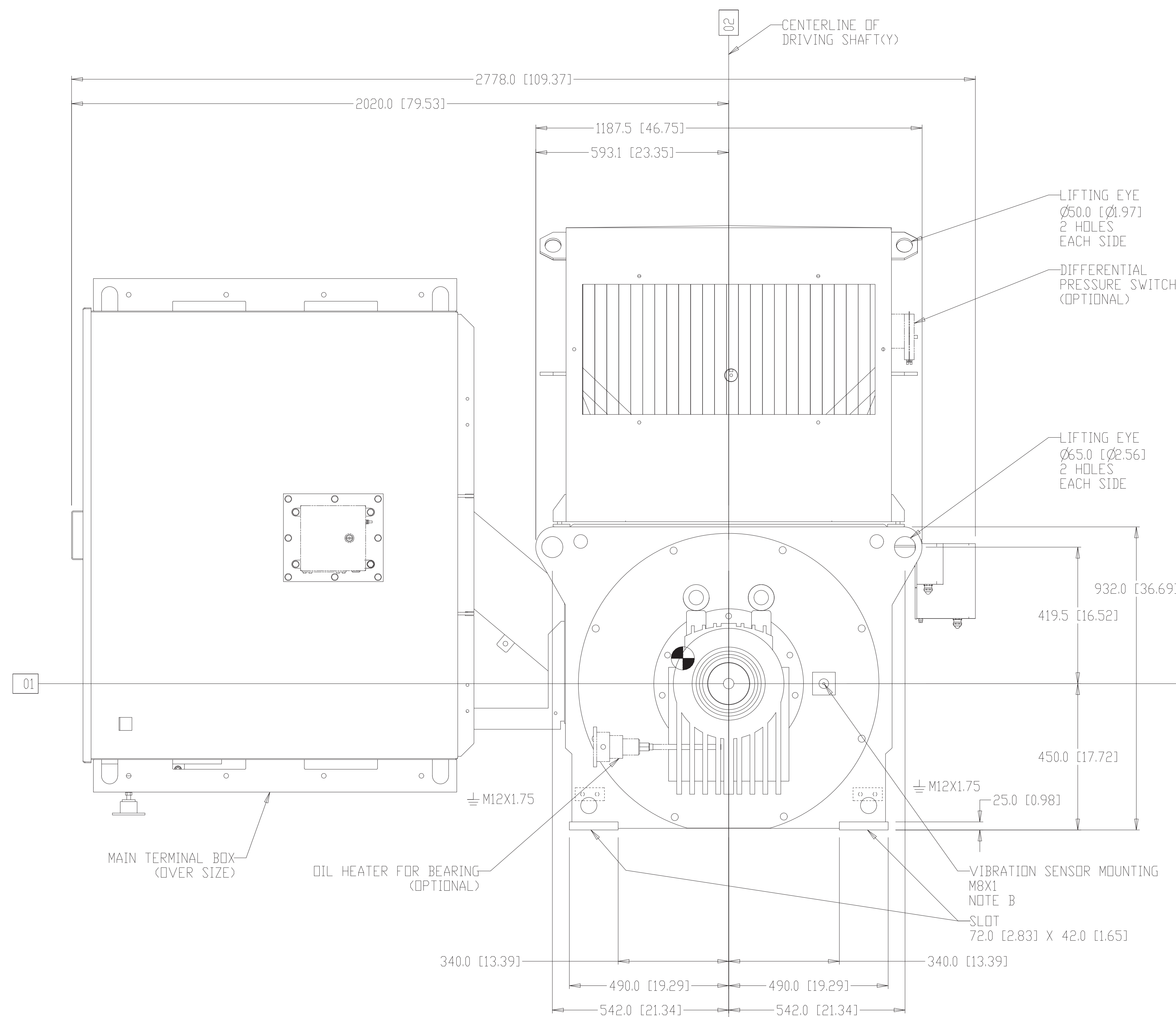
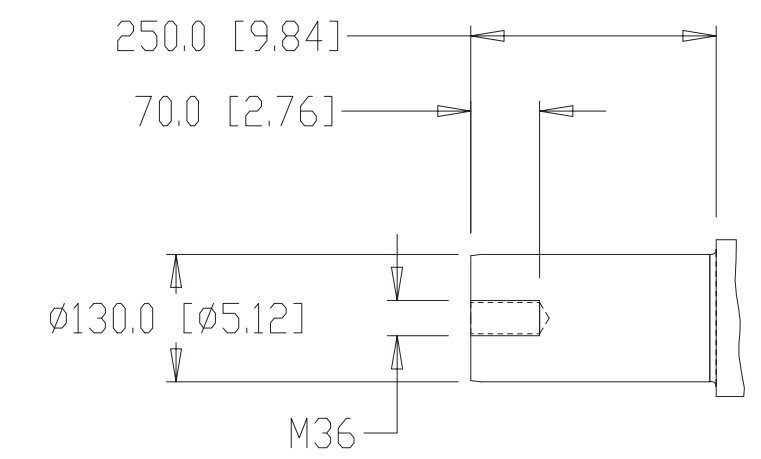
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CN1566 (1500HP) SLEEVE BEARING

FOR NOTES SEE SHEET 1

SPACE CLAIM	VER	CHG
	-	00

OVERSIZE TERMINAL BOX IN F1



RPM = 1200

DIRECTION OF ROTATION LOOKING AT DE SHAFT EXTENSION. THE BEARINGS OF THIS ELECTRIC MACHINE DO NOT WITHSTAND CONTINUOUS AXIAL FORCES. THE AXIAL LOAD MUST BE CARRIED BY THE BEARINGS OF THE DRIVEN MACHINE, WHICH MUST ALSO LOCK THE SHAFT SYSTEM AXIALLY. THE COUPLING MUST BE LIMITED TYPE WITH MAXIMUM AXIAL MOVEMENT LESS THAN AXIAL END FLOAT OF ROTOR. WHEN THE MACHINERY IS IN OPERATION, THE PERMISSIBLE AXIAL DISPLACEMENT MUST BE TAKEN INTO ACCOUNT DURING INSTALLATION OF THE MACHINERY. ROTOR MECHANICAL END FLOAT IS ± 8 mm [0.315"].

DURING THE INITIAL INSTALLATION PLACE 2 mm [0.0787"] SHIMS UNDER THE FEET OF THE MOTOR. THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE FOUNDATION. IT SHALL BE SUFFICIENTLY RIGID TO WITHSTAND SHORT CIRCUIT FORCES. TO AVOID RESONANCE VIBRATIONS THE FOUNDATION SHALL BE DESIGNED SO THAT THE NATURAL FREQUENCY OF FOUNDATION TOGETHER WITH MACHINE IS NOT WITHIN ±20% OF RUNNING SPEED FREQUENCY. THE CUSTOMER IS ALSO RESPONSIBLE FOR LATERAL AND TORSIONAL CRITICAL SPEED ANALYSIS OF THE COMPLETE INSTALLATION.

1E2966B	IDENT
1E2722E	DRAWING
1E0198W	BRAND MARKINGS
1E0013G	CONFIDENTIALITY
1E0012A	INTERPRETATION
1E0011	INTPR & TOL
Caterpillar: Confidential Green	
PROD	OTHER RECORDS
UNLESS OTHERWISE SPECIFIED	VERSION PRIMARY X
DIMENSIONS ARE IN MM	TYPE SECONDARY
DIMENSIONS W/O TOL ARE BASIC	BY CONTROL W 915
THIRD ANGLE PROJECTION	SHEET 2

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CN1566 (1500HP) SLEEVE BEARING

SPACE CLAIM	VER	CHG
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FOR NOTES SEE SHEET 1