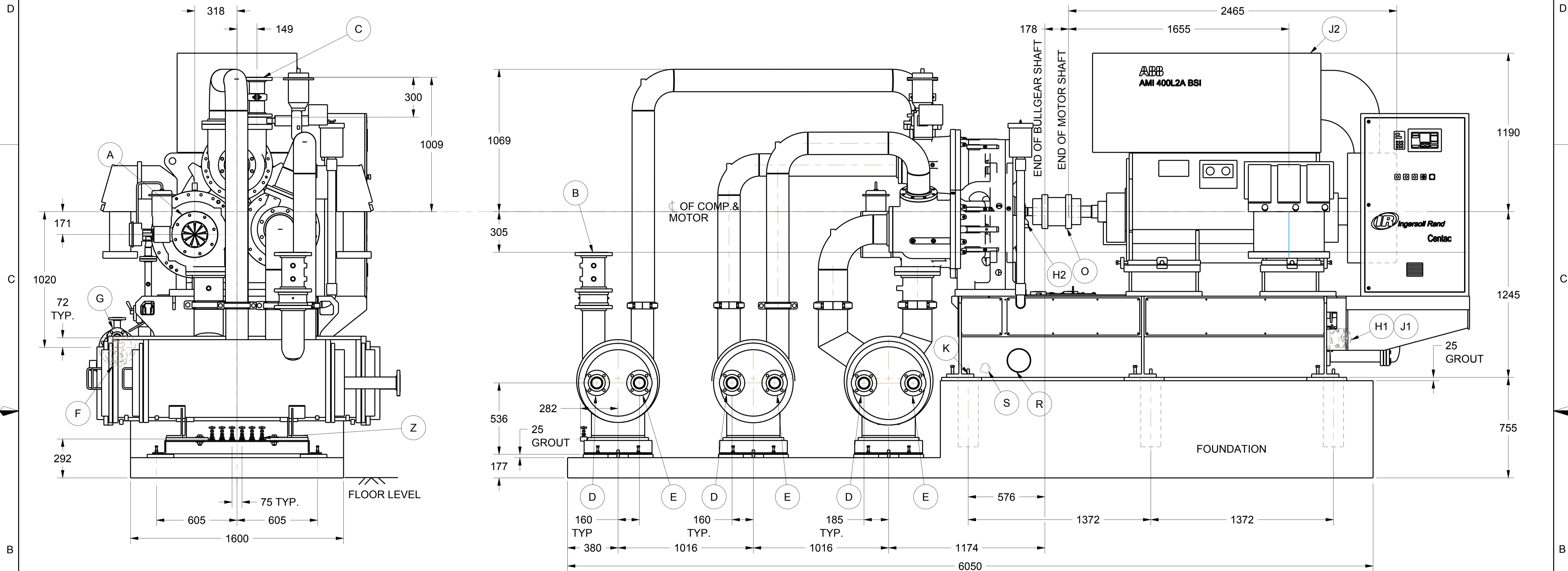
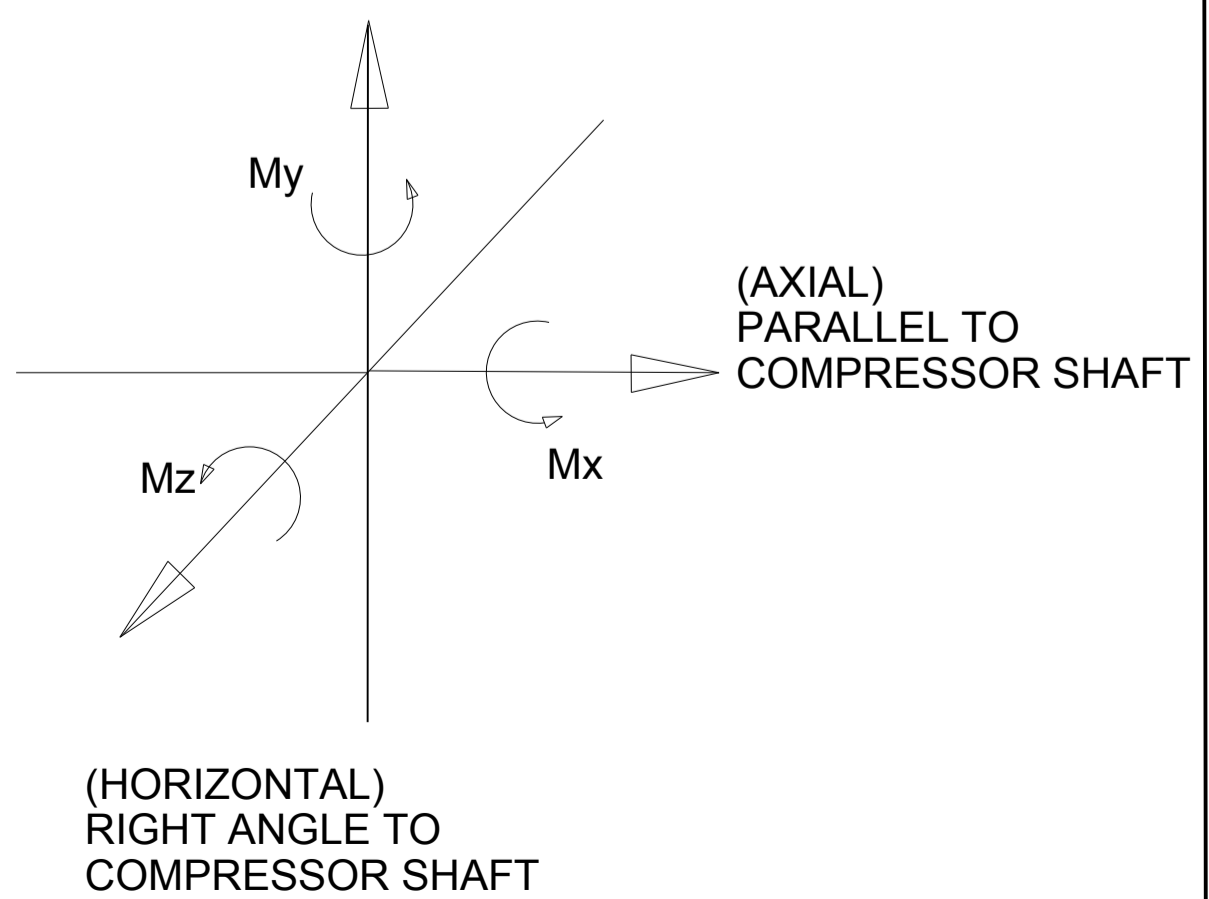


REVISIONS				DATE	DRAWN	APPD
ZONE	REV	ECN	DESCRIPTION	2014FEB25	A.GADARA	V.TRIVEDI
	A		ORIGINAL RELEASE			



COMPRESSOR ALLOWABLE FORCES & MOMENTS

		FORCES KGS.	MOMENTS KGF.M
INLET	AXIAL	193	976
	VERTICAL	488	488
	HORIZONTAL	397	488
DISCHARGE	AXIAL	91	454
	VERTICAL	227	227
	HORIZONTAL	182	227
BYPASS	AXIAL	68	340
	VERTICAL	170	170
	HORIZONTAL	136	170
TOTAL	AXIAL	204	1100
	VERTICAL	545	545
	HORIZONTAL	431	545



CUSTOMER	M/S. IFFCO LTD.
MODEL	1# CC700/C39MX3
IR REF. NO.	12123769
EQUIPMENT	"CENTAC" CENTRIFUGAL INTEGRALLY GEARED, PACKAGE AIR COMPRESSOR

WARNING: THE EXPORT OR REEXPORT OF THIS DRAWING OR A PRODUCT PRODUCED BY THIS DRAWING IS SUBJECT TO U.S. EXPORT ADMINISTRATION REGULATIONS AND OTHER APPLICABLE GOVERNMENT RESTRICTIONS OR REGULATIONS.

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF INGERSOLL-RAND CO., AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY INGERSOLL-RAND CO., IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.

DO NOT SCALE DRAWING
DRAWING CONFORMS TO
ASME Y14.5M - 1994

CAD GENERATED DRAWING,
NO MANUAL REVISIONS ALLOWED

UNLESS OTHERWISE SPECIFIED:
- REMOVE ALL BURRS AND SHARP CORNERS
- WELD SYMBOLS TO BE IN ACCORDANCE
WITH ANSI/AWS A2.4

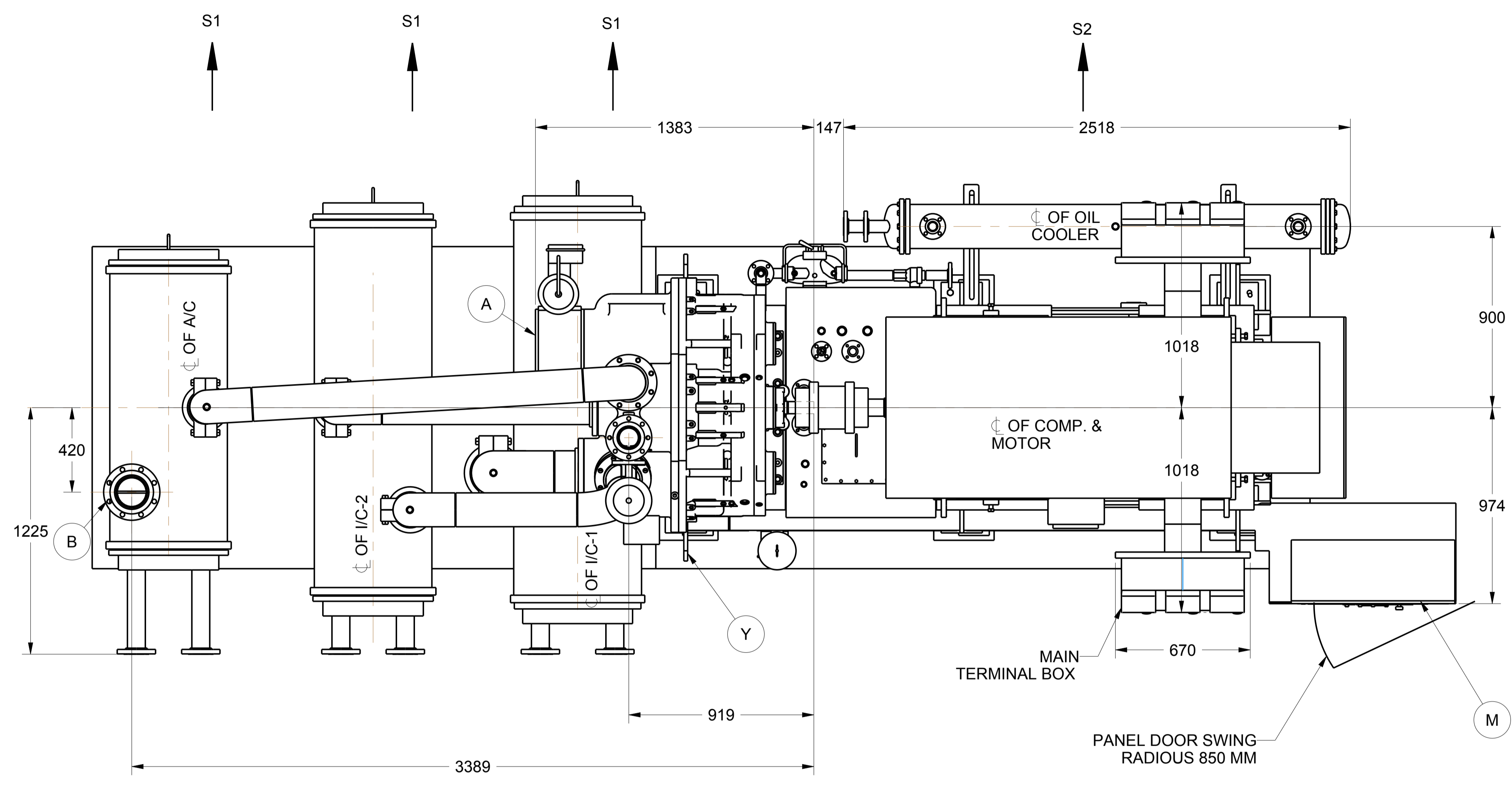
COPYRIGHT © 2013
Ingersoll Rand
ALL RIGHTS RESERVED

THIRD ANGLE PROJECTION	
DRAWN	DATE
A.GADARA	2014FER25
CHECKED	DATE
V.HEMKE	2014FER25
APPROVED	DATE
V.TRIVEDI	2014FER25

IR Ingersoll Rand

**GENERAL ARRANGEMENT
& FOUNDATION DETAILS**

SIZE	ESTIMATED WEIGHT	DWG NO.	REV
A1	0.0 kilogram	47517054	A
SCALE:	1.00	UNIT:	CC700 3S EXT CLR
		SHEET	1 OF 4



SCALE 0.070

ITEM	QTY.	DESCRIPTION	SIZE/LEGEND
A	1	AIR INLET	8"(200) 150# ANSI RF FLG.
B	1	AIR DISCHARGE-COLD	6"(150) 150# ANSI SORF FLG.
C	1	AIR BYPASS	3"(80) 150# ANSI SORF FLG.
D	1	CW IN - I/C 1&2,A/C	3"(80) 150# ANSI SORF FLG.
E	1	CW OUT - I/C 1&2,A/C	3"(80) 150# ANSI SORF FLG..
F	1	OIL COOLER WATER INLET	2"(50) 150# ANSI SORF FLG.
G	1	OIL COOLER WATER OUTLET	2"(50) 150# ANSI SORF FLG.
H1	1	PRE LUBE OIL PUMP	83 LPM 25 PSIG.
H2	1	MAIN OIL PUMP	83 LPM 25 PSIG.
J1	1	MOTOR- PRE LUBE OIL PUMP	415 V, 3PH, 50HZ, 2HP WIRED BY IR
J2	1	MAIN MOTOR	REFER MOTOR DATA
K	12	ANCHOR BOLTS HOLES	0.88"(22)DIA HOLES (NOT SHOWN) SEE FOUNDATION PLAN
M	1	CONTROL PANEL	CMC PANEL
O	1	COUPLING	DRY FLEX TYPE
P	1	COUPLING GUARD	STANDARD (NOT SHOWN)
R	1	LUB OIL HEATER	415 V,3PH,50HZ,4.00KW, WIRED BY IR
S	1	OIL RESERVOIR DRAIN	2"(50) - NPT
T	1	INSTRUMENT AIR CONN.	1/2"(13) - NPT (NOT SHOWN)
Y	4	LIFTING LUGS	4" (100) DIA HOLE (SEE NOTE-5)
Z	6	DRAIN VALVE	V-NOTCH TYPE 1/2" NPTF

WEIGHTS (KG)		MAINTENANCE SPACE (MM)	
COMPRESSOR	2950	S1	AIR COOLER STG.-1,2 & A/C
MOTOR	5390	S2	OIL COOLER
OIL COOLER	300		
CMC PANEL	125		
SKID	2000		
I/C & A/C	4000		
MOTOR POP	45		
TOTAL PACKAGE	14810		
MAX. FOR MAINTENANCE	5390		

MOTOR DATA		COMPRESSOR DATA	
RATING	650kW, 6.6 kV	CAPACITY	5000 N m ³ /HR
MAKE	ABB	INLET PRESS.	1.023 Kg/cm ² (A)
FRAME	400L2A BSI	INLET TEMP.	35° C
RATED SPEED	2975 RPM	DISCH. PRESS	9.5 Kg/cm ² (A)
COMP. WK2	253 lb ft ²	SHAFT POWER	547.5 kW

NOTES:-

- SEE INSTALLATION AND PRESTART MANUAL FOR INFORMATION ON PIPING FOUNDATION, LUBRICATION & ALIGNMENT
- INLET PIPING SHOULD BE STAINLESS STEEL AND FLANGED FOR CLEANING AND INSPECTION. A MIN. OF (4 X PIPE DIA.) OF STRAIGHT RUN IS RECOMMENDED. USE PROPER SIZE PIPE AND SUPPORTS TO KEEP PIPE STRAIN MINIMUM.
- ALL FLANGES HOLES STRADDLE CENTRE LINE
- DRIVER ROTATION IS COUNTER CLOCKWISE VIEWED FROM THE SHAFT END OF THE DRIVER.
- FOR PACKAGE LIFTING USE THESE LUGS ONLY.
- ALL DIMENSIONS ARE IN MM.
- HOLES FOR TAPER PINS FOR MOTOR TO BE DRILLED IN THE BASEPLATE IN THE FIELD AFTER FINAL ALIGNMENT.
- ALL PANEL CONNECTONS THRU BOTTOM OF PANEL (REFER PANEL OUTLINE DWG.)

PROPRIETARY NOTICE

THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION IS THE PROPERTY OF INGERSOLL-RAND CO. AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY ACCEPTANCE AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT EXCEPT AS AUTHORIZED IN WRITING BY INGERSOLL-RAND CO. IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, (2) NOT COPY THE DRAWING, (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.

TITLE: GENERAL ARRANGEMENT & FOUNDATION DETAILS

SIZE: A1

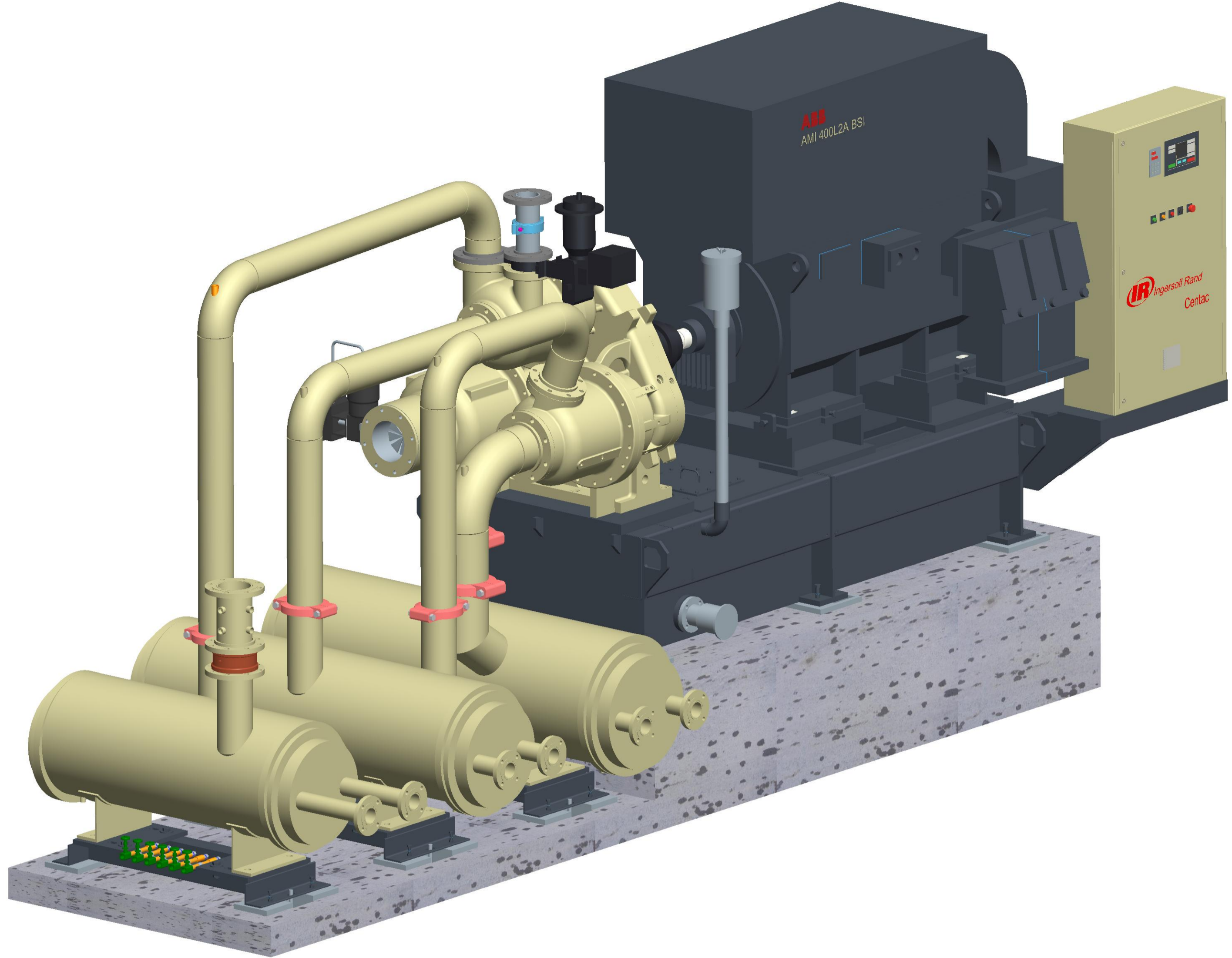
DWG NO: 47517054

SCALE: 1.00

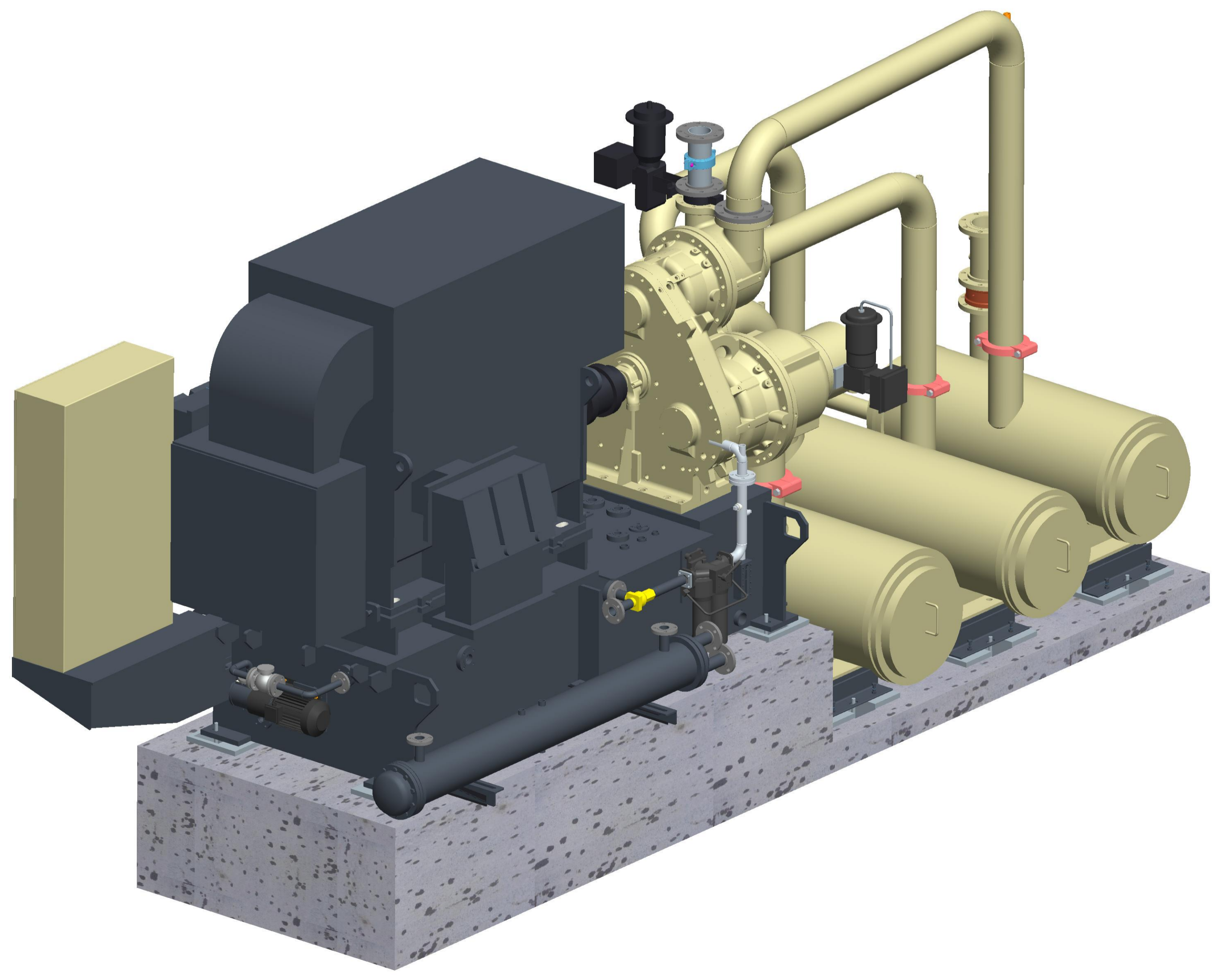
SHEET: 2 OF 4

REV: A

VIEW-A



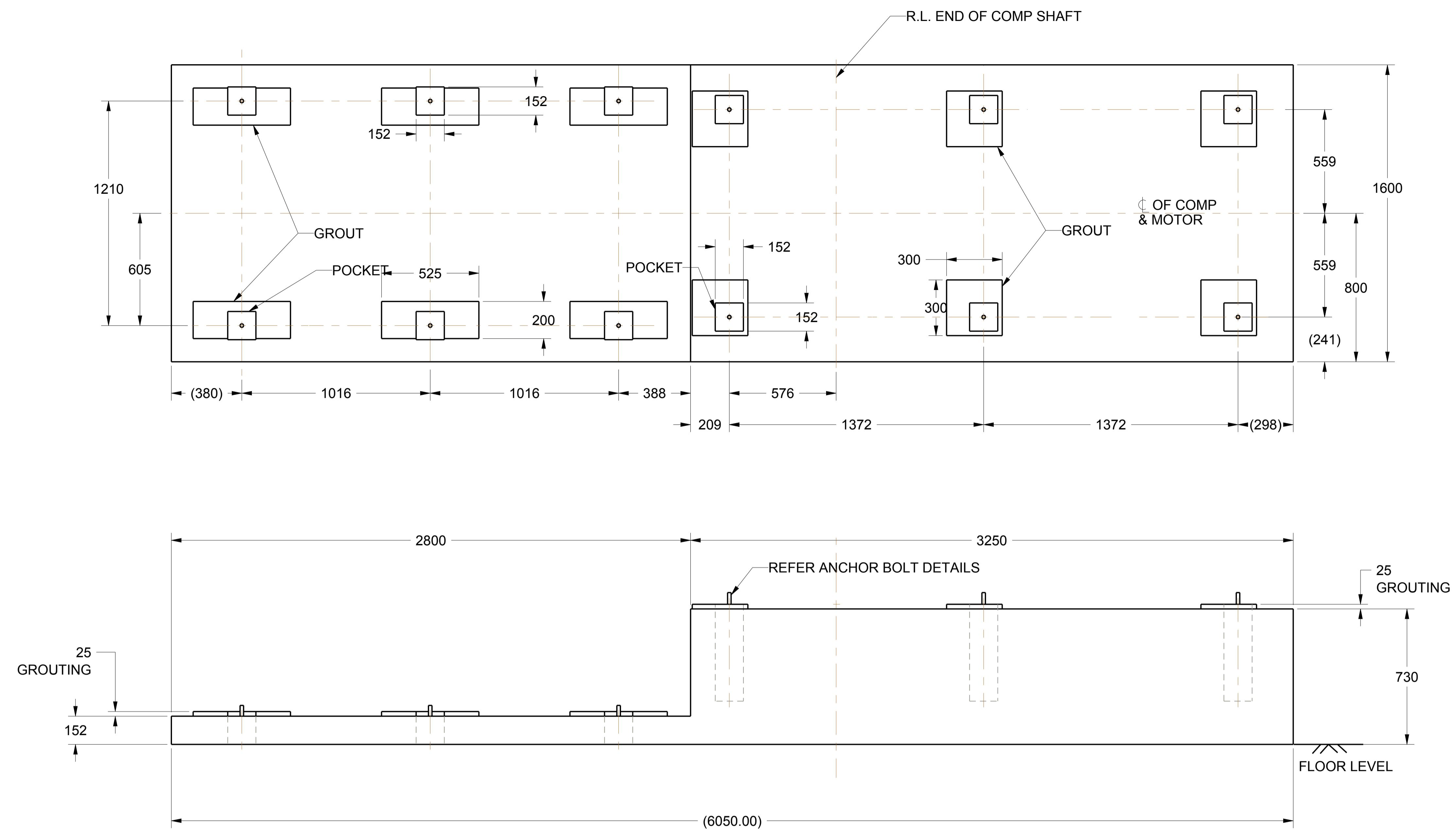
SCALE 0.065



3-D VIEWS

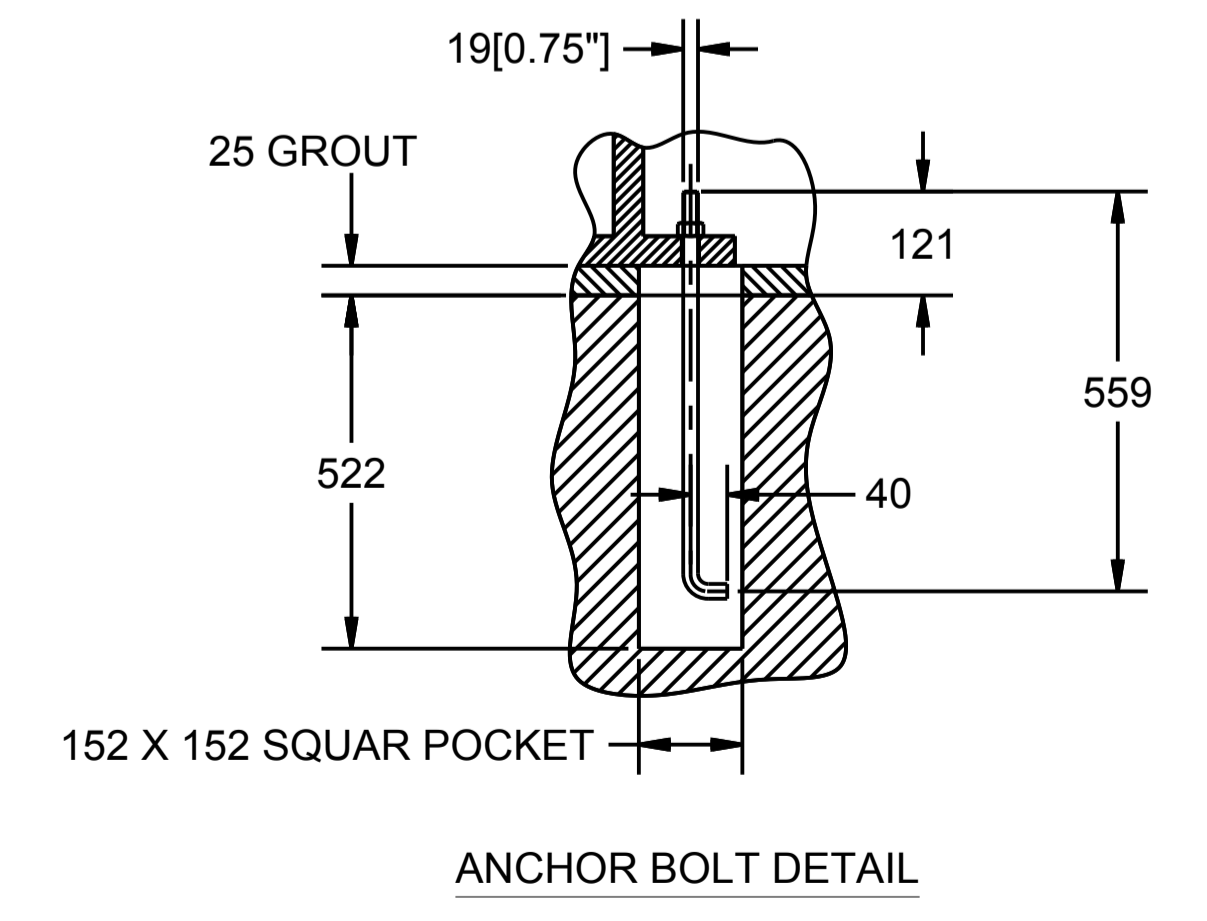
SCALE 0.065

<small>PROPRIETARY NOTICE</small> <small>THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION IS THE PROPERTY OF INGERSOLL RAND CO. AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY ACCEPTANCE AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY INGERSOLL RAND CO. IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, (2) NOT COPY THE DRAWING, (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.</small>		<small>TITLE</small> GENERAL ARRANGEMENT & FOUNDATION DETAILS	
<small>SIZE</small> A1	<small>DWG NO.</small> 47517054	<small>REV</small> A	
<small>SCALE</small> 1.00	<small>SHEET</small> 3 OF 4		



SCALE 0.075

- NOTE:
- 1) ALL DIMENSIONS ARE IN MM.
 - 2) SPACES MARKED GROUT ARE TO BE FILLED IN WITH NON SHRINKABLE CONCRETE OR EPOXY BASED GROUT AFTER BASE PLATE IS LEVELLED.
 - 3) FOR FORCES, COUPLES & WEIGHTS REFERS SHEET-2
 - 4) FOUNDATION EXPERT MUST BE CONSULTED FOR DIMENSIONS OTHER THEN SHOWN HERE.
 - 5) FOUNDATION TO BE DESIGNED ONLY FOR STATIC LOAD. SINCE THERE ARE NO UNBALANCE FORCES. DYNAMIC LOADS ARE NOT TO BE CONSIDERED.
 - 6) WEIGHT OF THE COMPRESSOR PACKAGE IS ALMOST UNIFORMLY DISTRIBUTED ON ALL THE FOUNDATION BOLTS.
 - 7) FOUNDATION OF THE CENTRIFUGAL AIR COMPRESSOR IS TO BE ISOLATED FROM RECIPROCATING COMPRESSORS AND ANY OTHER SOURCE GENERATING VIBRATIONS.
 - 8) REFER. DOCUMENT NO. CEN009 FOR FOUNDATION VIBRATION LIMITS.



<small>PROPRIETARY NOTICE</small> THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION. IS THE PROPERTY OF INGERSOLL-RAND CO. AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEIPT AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY INGERSOLL-RAND CO., IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, (2) NOT COPY THE DRAWING, (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN, AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.		TITLE GENERAL ARRANGEMENT & FOUNDATION DETAILS	
SIZE A1	DWG NO. 47517054	REV A	
SCALE 1.00	SHEET 4 OF 4		