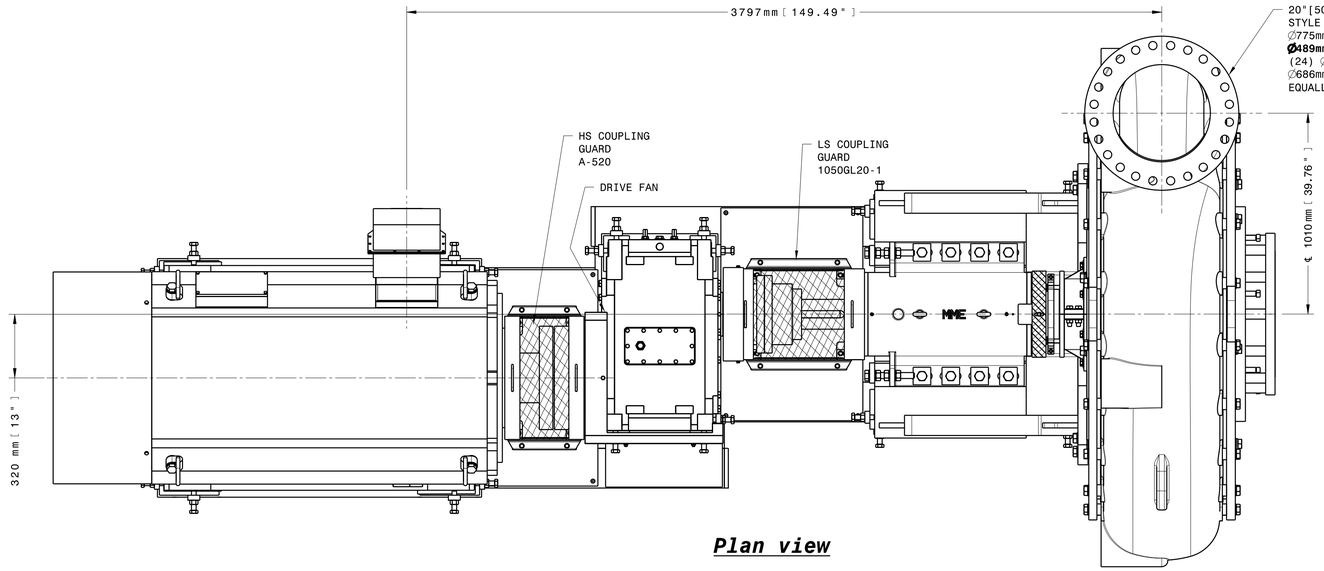
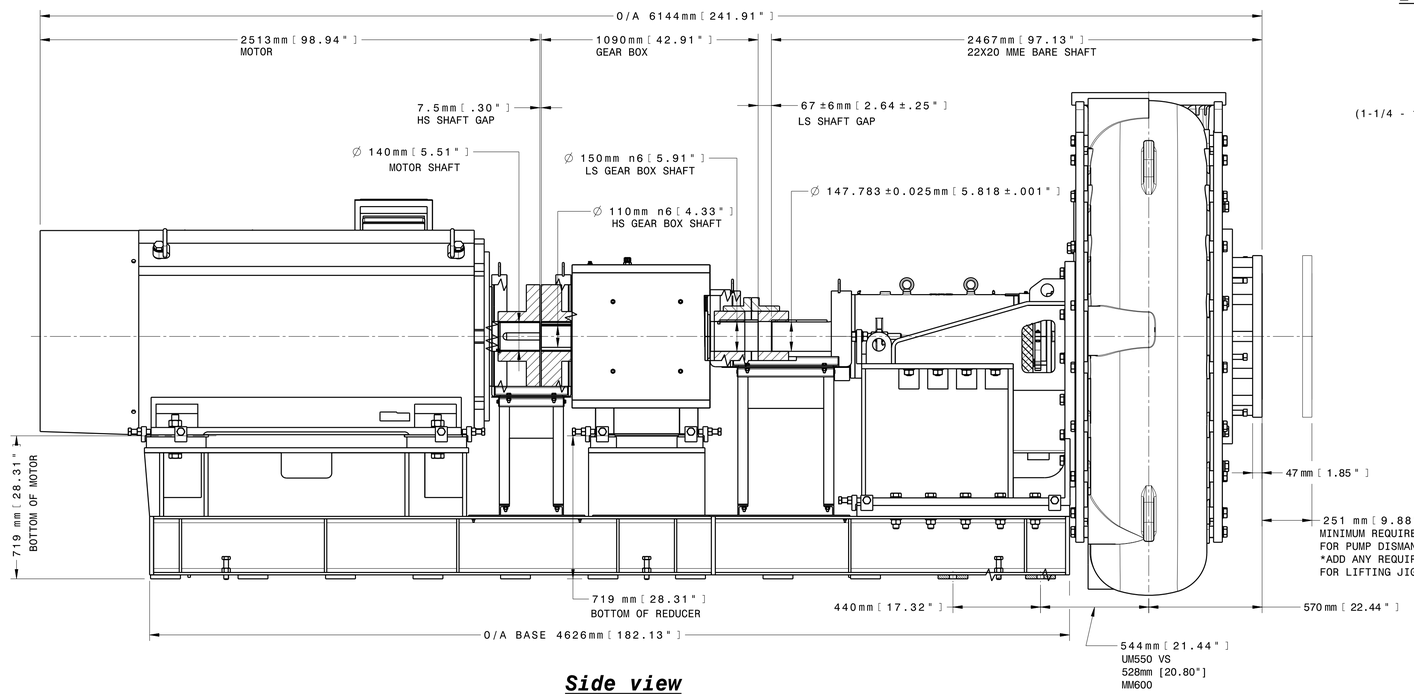
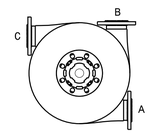


Plan view

REMOVE ALL EQUIPMENT BEFORE MOVING BASE



Side view

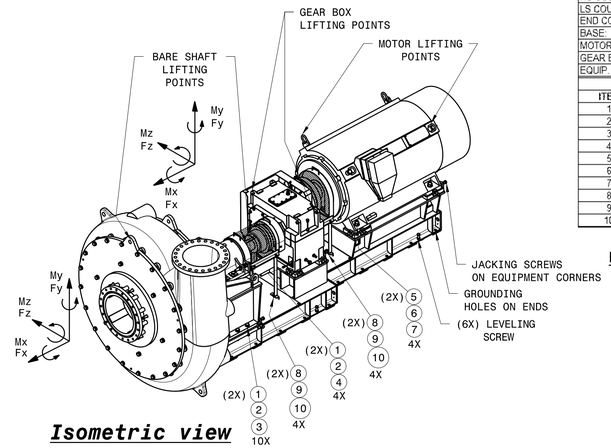


FOR CUSTOMER SPECIFIC
DISCHARGE POSITION
SEE PROJECT TABLE

A	BOTTOM HORIZONTAL
B	TOP VERTICAL
C	TOP HORIZONTAL

STANDARD DISCHARGE POSITIONS

OPTIONAL DISCHARGE POSITIONS MAY BE USED BY ROTATING PUMP CASING IN 18° INCREMENTS. SEE ENGINEERING FOR ROTATIONS NOT SHOWN ABOVE



Isometric view

PROJECT INFORMATION

CUSTOMER:	TEGHOUT PROJECT		
PROJECT No / PO#:	TEGHOUT/ PO# TBD	KREBS SO#:	
EQUIP. USE/DESCRIPTION:	CYCLONE FEED	KREBS S/N:	KM20342
EQUIP. No:		CONFIGURATION:	INLINE GEAR BOX
FLOW:	3991m³/hr	DESIGN SPEED:	348 RPM
DISCHARGE POSITION:	TOP VERTICAL	TDH:	41m

UNIT SPECIFICATION'S

ITEM	P/N	DESCRIPTION	WGT kg	WGT Lbs
PUMP:	UM550-E53U20342	22x20-56 MME millMAX UMD BARE SHAFT PUMP	16,336	36,015
MOTOR:	MM-MTR-CS03356A	SIEMENS 1250kW,50Hz/3300V, 994RPM, IP55 (CERT. DRW 1LA45046CN00)	6,400	14,110
GEAR BOX:	MM-DRV-CS03356	SIEMENS, H1SH11-A-2.8, SINGLE REDUCTION REDUCER (CERT. DWG A5E35942396A)	1,528	3,369
HIGH SPEED COUPLING:	MM-CPLHSU03356A	N-EUPEX - A520 MOTOR COUPLING (HIGH SPEED)	234	516
LOW SPEED COUPLING:	MM-CPLLSU03356A	1050GL20-1 PUMP COUPLING (LOW SPEED)	193	425
HS COUPLING GUARD:	MM600-551U03356	GUARD BETWEEN MOTOR AND GEAR BOX	55	121
LS COUPLING GUARD:	MM600-552U03356	GUARD BETWEEN PUMP AND GEAR BOX	53	116
END COVER GUARD:	MME-562-10001	MME END COVER GUARD	2	4
BASE:	MM600550U03356A	BASE (GROUT FILL NOT INCLUDED)	2,580	5,688
MOTOR SHIMS:	MM-MOSHIMU03356A	SHIMS FOR MOTOR TO BASE	22	49
GEAR BOX SHIMS:	MM-GBSHIMU03356	SHIMS FOR GEAR BOX TO BASE	16	36
EQUIP. HOLD DOWN KIT:	MM-FASTU03356	HARDWARE TO MOUNT EQUIP. TO BASE		SEE BELOW

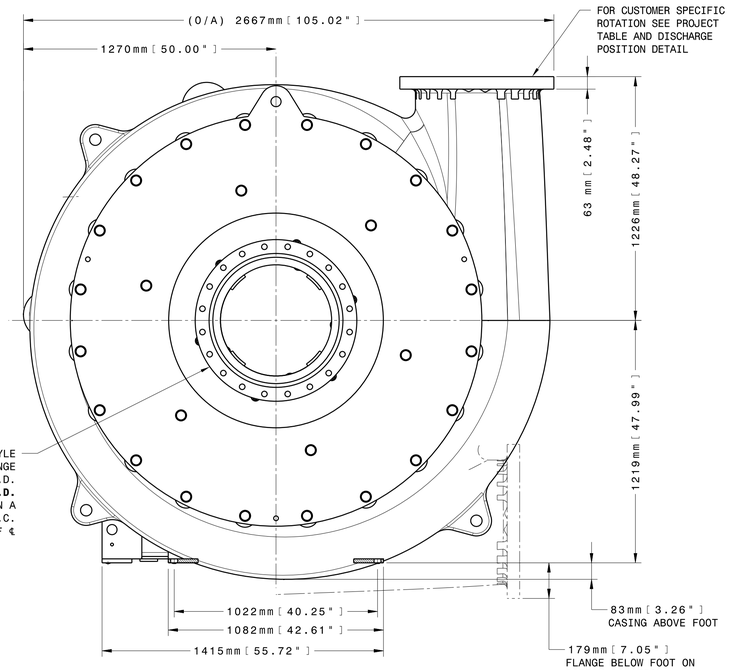
EQUIPMENT HOLD DOWN KIT CONTENTS P/N: MM-FASTU03356

ITEM	QTY	P/N	DESCRIPTION	WGT kg	WGT Lbs
1	28	MM250-434-10012	M30 FLAT WASHER HD	33.0	72.8
2	14	MM250-534-10012	M30-3.5 HEX NUT		
3	10	MM00-L05160303H	M30-3.5x160mm LONG BOLT HEX HEAD		
4	4	MM00-L05200303H	M30-3.5x200mm LONG BOLT HEX HEAD		
5	8	MM250-134-10001	WASHER FLAT M36 HD		
6	4	MM250-240-10001	M36-4 HEX NUT		
7	4	MM00-L052003604	M36-4 x 200mm HEX HEAD BOLT		
8	16	MM100-434-10025	M12 FLAT WASHER HD		
9	8	MM080-234-10001	M12 HEX NUT		
10	8	MM200-532-10001	M12-1.75x40mm LONG BOLT HEX HEAD		
:	:	:	TOTAL WGT.:	27,450	60,516

NOTE: OPERATING AND SEISMIC LOAD CALCULATIONS BY CUSTOMER

GLAND DETAIL

HIGH FLOW REQUIREMENTS:
MAX. 55GPM [208L/m]-MIN. 30GPM [114L/m]
@ 10PSI [69kPa] > DISCHARGE PRESSURE



Front view

NOTES:
1. USE PARTS LIST UL550-E53-00701-49.
2. PIPE CONNECTIONS MUST BE MADE WITH MINIMAL STRESS OR STRAIN.

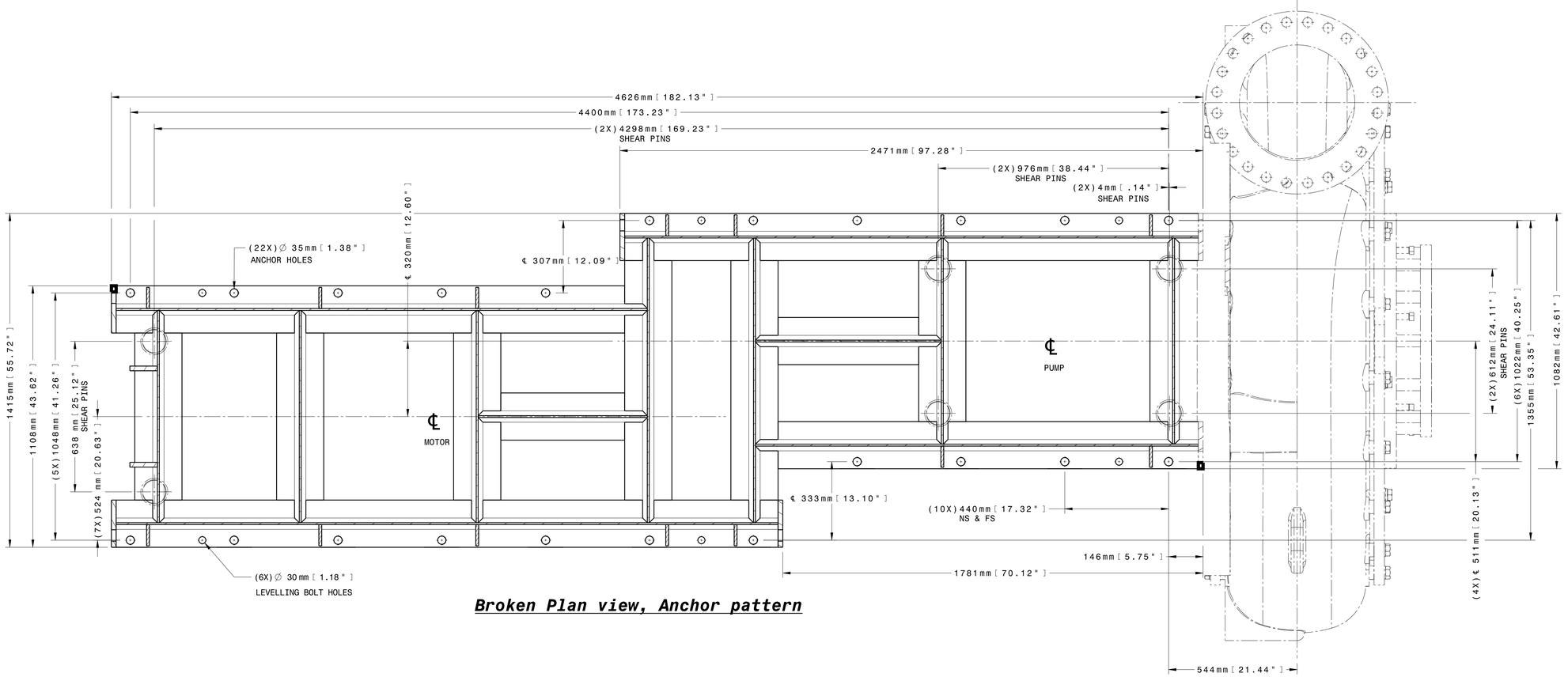
TOLERANCE SCHEDULE UNLESS OTHERWISE SPECIFIED		
Xmm=±1.52mm[.06"]	X.Xmm=±.75mm[.03"]	ANGULAR=±1/2°

REVISION					
Rev. By:					
Approval Date:	Scale:	Dsn. By:	Date Drawn:	Orig. Appvd. By:	Sheet:
10/08/2020	---	KAG	10/06/20	KCK KCK	1 OF 2
Approved By:					

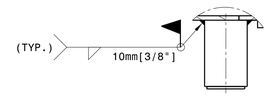
FLSmidth — 5505 WEST GILLETTE ROAD TUCSON, AZ 85743

GENERAL ARRANGEMENT: millMAX UMD 22X20-56 COMPLETE W/WATER FLUSH SEAL, ANSI FLANGES, GEAR BOX, COUPLED DRIVE, DRIVE GUARDS, 1250kW 500B MOTOR, INLINE BASE, ON A MME POWER FRAME

DWG NO. ***UR550-E53U20342***

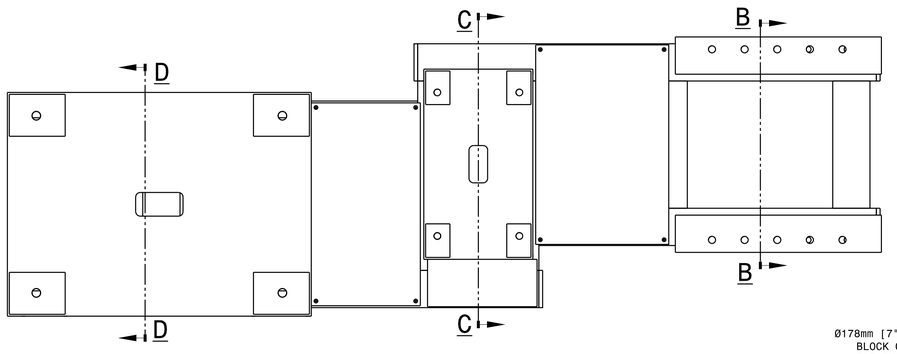


Broken Plan view, Anchor pattern



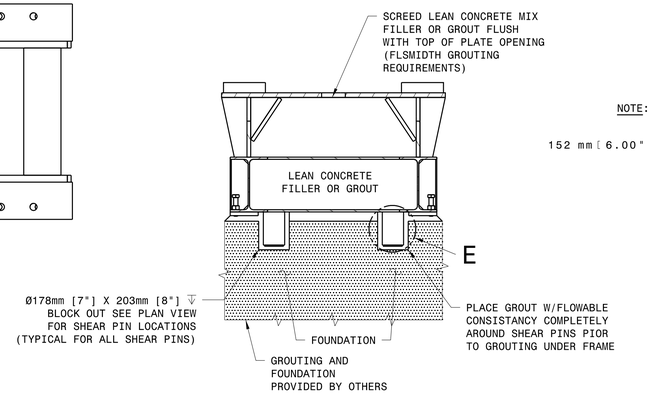
Detail E

Scale: 1:8



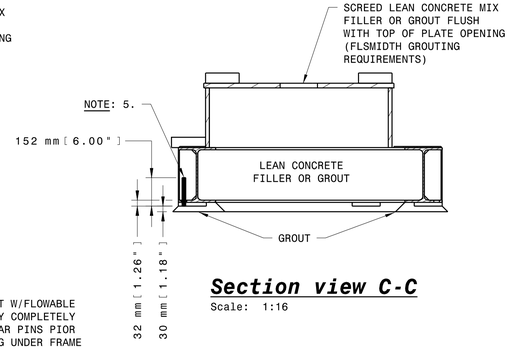
Plan view Inline Base

Scale: 1:16



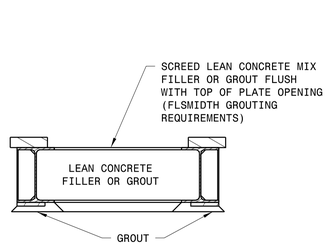
Section view D-D

Scale: 1:16



Section view C-C

Scale: 1:16



Section view B-B

Scale: 1:16

INLINE SUB BASE MATERIAL & INSTALLATION NOTES:

1. MATERIALS:
   W SECTIONS – ASTM A992
   PLATE & MISC. SECTIONS – ASTM A36
   HSS – ASTM A500, GRADE B
   ANCHOR BOLTS – ASTM F1554, GRADE 36
   GROUT – SHRINKKOMP 30 OR EQUIVALENT
2. DESIGN OF THE FOUNDATION PAD IS BY OTHERS. SEISMIC OR WIND LATERAL LOADS ARE TO BE DETERMINED PER PROJECT SPECIFICATIONS.
3. CONNECTED PIPING IS TO BE FULLY SUPPORTED FOR ALL STATIC AND DYNAMIC LOADS. CONNECTION OF THE PIPING TO THE PUMP SHALL NOT INDUCE LOADS IN EXCESS OF THOSE LISTED ON THE DRAWINGS.
4. ALL ANCHOR BOLTS SHALL BE DESIGNED FOR THE MAXIMUM LOADS SHOWN ON THE DRAWING.
5. ANCHOR BOLTS SHALL BE Ø30mm[1-1/8"](MIN.-CUSTOMER REQUEST) HEADED BOLTS, EMBEDDED IN 25,579 kPA [4,000 PSI](MIN)CONCRETE. THE TOP 6" OF THE EMBEDDED LENGTH OF THE ANCHOR BOLTS IS TO BE WRAPPED OR COATED TO PREVENT BOND WITH THE CONCRETE. THE EMBEDMENT LENGTH BELOW THE WRAPPED PORTION SHALL BE SUFFICIENT TO DEVELOP THE FULL STRENGTH OF THE BOLTS. DISTANCE FROM THE ANCHOR BOLTS TO THE EDGE OF CONCRETE SHALL BE 200mm [8"] MINIMUM, WITH AT LEAST ONE REINFORCING BAR BETWEEN THE ANCHOR BOLTS AND THE EDGE OF CONCRETE.
6. DO NOT USE LEVELING NUTS ON THE ANCHOR BOLTS TO LEVEL THE FRAME. USE LEVELING SCREWS PROVIDED OR OTHER TEMPORARY MEANS TO LEVEL THE FRAME PRIOR TO PLACING GROUT. GROUT UNDER ALL SUPPORT BEAMS AND PADS WITH SHRINKKOMP 30 OR EQUIVALENT NON-SHRINK GROUT. ENSURE UNIFORM GROUT CONTACT WITH THE BOTTOM SURFACE OF THE FRAME.
7. AFTER GROUT HAS ATTAINED A MINIMUM OF 90% ULTIMATE STRENGTH, TORQUE ALL ANCHOR BOLTS TO 339 N-m TO 353 N-m [250 FT-LBS TO 260 FT-LBS.]
8. AFTER TORQUE IS APPLIED TO ALL ANCHOR BOLTS, FILL THE INTERIOR OF THE FRAME WITH LEAN CONCRETE FILL OR GROUT PER THE DRAWINGS.

TOLERANCE SCHEDULE UNLESS OTHERWISE SPECIFIED		
Xmm=±1.52mm[.06"]	X.Xmm=±.75mm[.03"]	ANGULAR=±1/2

REVISION					
Rev. By:					
Approval Date:	Scale:	Dwn. By:	Date Drawn:	Orig. Appvl. By:	Sheet:
10/08/2020	---	KAG	10/06/20	KCK KCK	2 OF 2
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