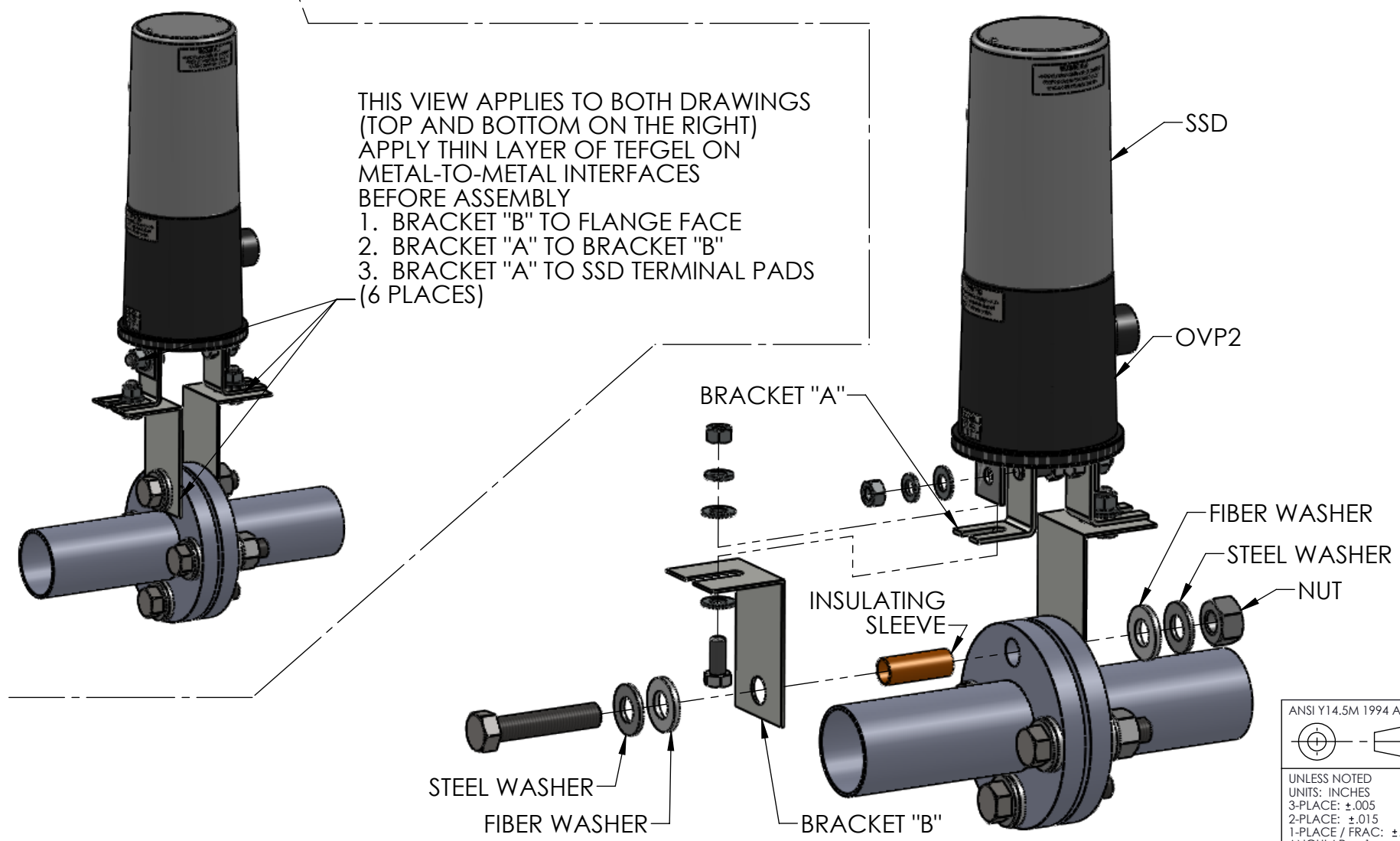
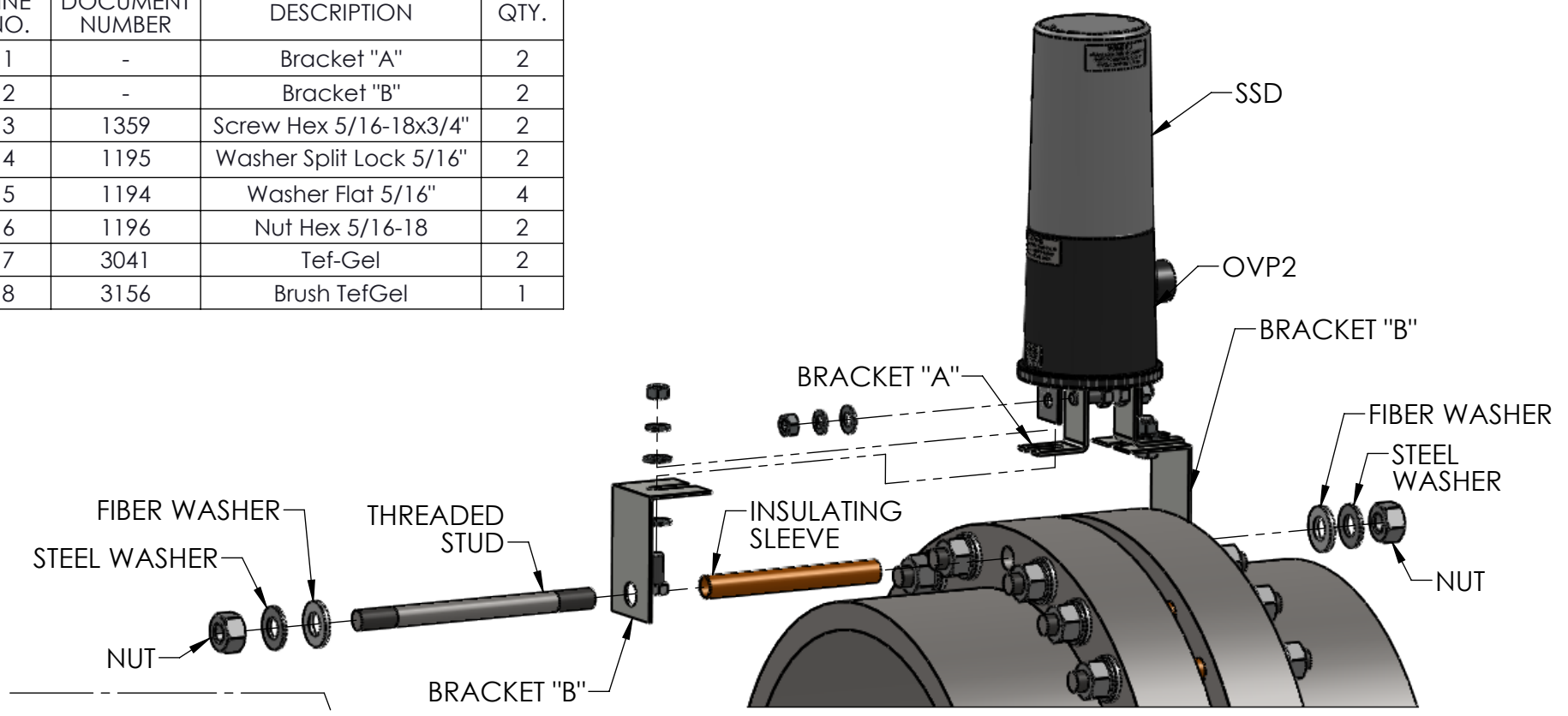


BILL-OF-MATERIAL (BOM) TABLE			
LINE NO.	DOCUMENT NUMBER	DESCRIPTION	QTY.
1	-	Bracket "A"	2
2	-	Bracket "B"	2
3	1359	Screw Hex 5/16-18x3/4"	2
4	1195	Washer Split Lock 5/16"	2
5	1194	Washer Flat 5/16"	4
6	1196	Nut Hex 5/16-18	2
7	3041	Tef-Gel	2
8	3156	Brush TefGel	1



THIS VIEW APPLIES TO BOTH DRAWINGS (TOP AND BOTTOM ON THE RIGHT) APPLY THIN LAYER OF TEFDEL ON METAL-TO-METAL INTERFACES BEFORE ASSEMBLY

- BRACKET "B" TO FLANGE FACE
- BRACKET "A" TO BRACKET "B"
- BRACKET "A" TO SSD TERMINAL PADS (6 PLACES)

Assemble Bracket "B" per: View on Top ____ View on Bottom ____

The MTF Kit consists of (4) nickel plated copper brackets, the required assembly hardware, TefGel, a corrosion inhibitor, and ready for mounting any SSD or OVP2 model product to an insulated flange of the ANSI # Class and pipe diameter for which it was ordered.

1a. If the flange bolt to be used for mounting bracket "B" only has a nut and washers on one end, remove the nut and washers.

1b. If the flange bolt to be used for mounting bracket "B" is has nuts and washers on each end, remove the nut and washers from each end.

2. Ideally, a new sleeve would be made that is 1/8" longer than the existing flange bolt sleeve to account for the 1/16" thickness of the two "B" mounting brackets, one installed against each flange face. If the insulating sleeve over the flange bolt is to be reused, then leave this sleeve in place. When the installation is complete use a multimeter set to the Ohms scale to confirm that there is an open circuit between the flange bolt and each flange.

3. The insulating coating on each flange face must be removed where bracket "B" will be in contact with the flange face.

4. Apply a thin coating of TefGel on the face of each bracket "B" where it will be in contact with each flange face. Refer to the correct view so TefGel is applied on the correct side.

5a. If the flange bolt only had a nut and washers on one end, then remove this bolt and slide a steel washer, a fiber washer and then bracket "B", oriented as required against the bolt head. Then slide this bolt through the insulating sleeve all the way through both flanges. On the other end of the bolt, insert bracket "B" oriented as required, then a fiber washer followed by a steel washer and nut. Tighten the nut enough to hold the "B" brackets upright but so they can still be rotated by hand for later alignment.

5b. If the flange bolt is a threaded stud that has a nut and washers on each end, slide this bolt through the insulating sleeve if it was removed and then over the end of the stud slide a "B" bracket, then a fiber washer followed by the steel washer and nut. Tighten the nuts on each end of the stud enough to hold the "B" brackets upright, but so they can still be rotated for later alignment.

6. Using the hardware that was furnished with the SSD, attach an "A" bracket to the inside of each SSD or OVP2 terminal as shown, after first applying TefGel between mating surfaces of the bus bars. Partially tighten the nuts so the "A" brackets can still be adjusted for final alignment.

7. Note the polarity label adjacent to each terminal of the product. Orient the product so the Bracket A bracket that is connected to the negative terminal will be placed on top of the Bracket B that is connected to the more negative side of the insulated flange. Apply TefGel between the mating contact surfaces, then insert a bolt, washers, and nut to secure each Bracket A to each Bracket B and partially tighten.

8. Last, torque the flange bolt nut, or nuts, to their required torque value. It may be necessary to hold the B Brackets from rotating during this process.

ANSI Y14.5M 1994 APPLIES

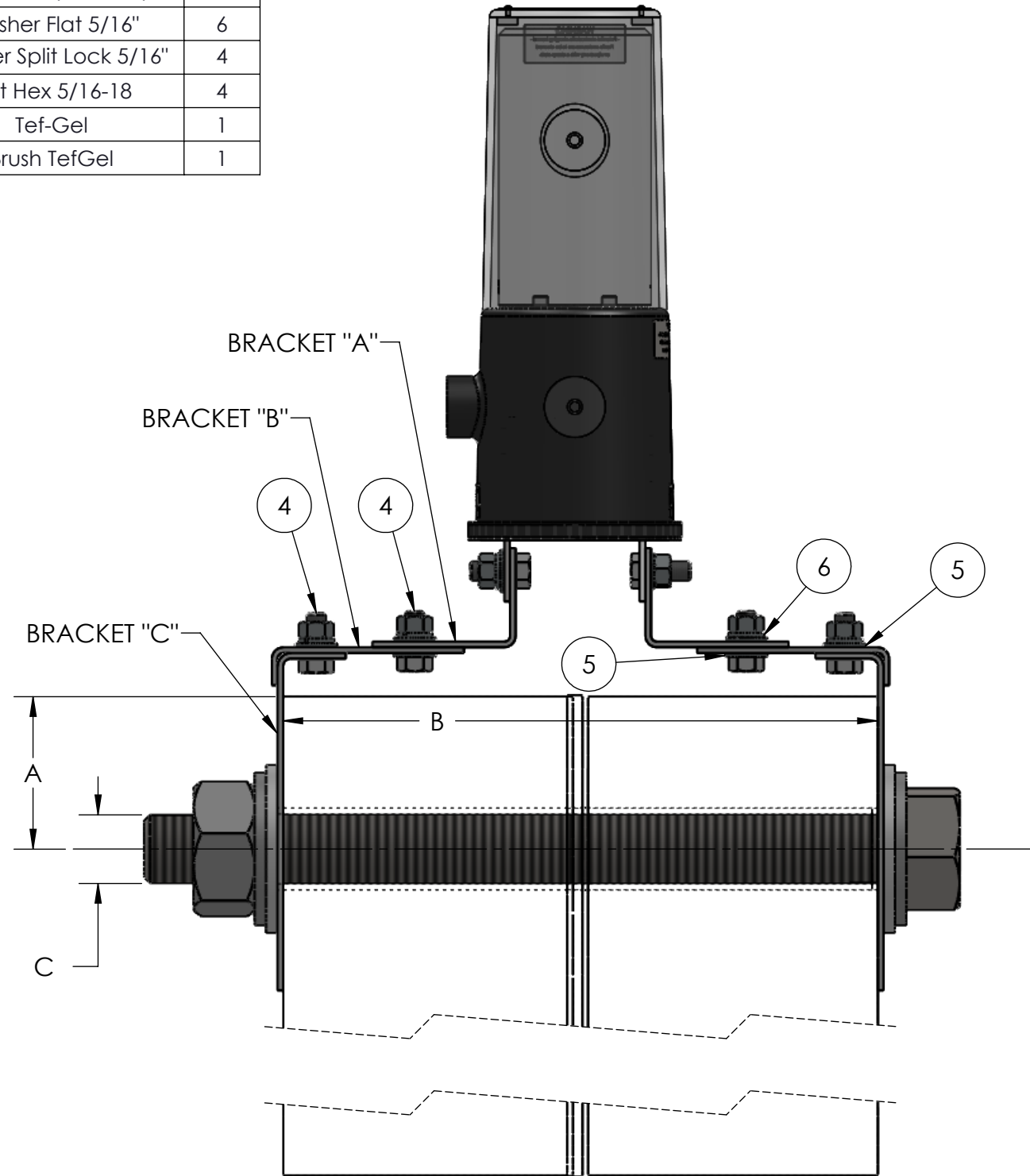
UNLESS NOTED UNITS: INCHES
 3-PLACE: ±.005
 2-PLACE: ±.015
 1-PLACE / FRAC: ±.03
 ANGULAR: ±1



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DESCRIPTION MTF: -S, -S2, -M, -L INSTALLATION WITH SSD/OVP2				
DOCUMENT # 100029	REV B	DATE DRAWN 2014-01-13	DWG SIZE B	DATE APPROVAL 2016-09-29
SCALE 1:2	DRAWN: JPW	SHEET: 1 OF 2	DWG APPROVAL: TC	

BILL-OF-MATERIAL (BOM) TABLE			
LINE NO.	DOCUMENT NUMBER	DESCRIPTION	QTY.
1	-	Bracket "A"	2
2	-	Bracket "B"	2
3	-	Bracket 3 P4 Flange Mount Plated	2
4	1359	Screw Hex 5/16-18x3/4"	4
5	1194	Washer Flat 5/16"	6
6	1195	Washer Split Lock 5/16"	4
7	1196	Nut Hex 5/16-18	4
8	3041	Tef-Gel	1
9	3156	Brush TefGel	1



The MTF Kit consists of (6) nickel plated copper brackets, the required assembly hardware, TefGel, a corrosion inhibitor, and ready for mounting any SSD or OVP2 model product to an insulated flange of the ANSI # Class and pipe diameter for which it was ordered.

1a. If the flange bolt to be used for mounting bracket "B" only has a nut and washers on one end, remove the nut and washers.

1b. If the flange bolt to be used for mounting bracket "B" is has nuts and washers on each end, remove the nut and washers from each end.

2. Ideally, a new sleeve would be made that is 1/8" longer than the existing flange bolt sleeve to account for the 1/16" thickness of the two "B" mounting brackets, one installed against each flange face. If the insulating sleeve over the flange bolt is to be reused, then leave this sleeve in place. When the installation is complete use a multimeter set to the Ohms scale to confirm that there is an open circuit between the flange bolt and each flange.

3. The insulating coating on each flange face must be removed where bracket "B" will be in contact with the flange face.

4. Apply a thin coating of TefGel on the face of each bracket "B" where it will be in contact with each flange face.

5a. If the flange bolt only had a nut and washers on one end, then remove this bolt and slide a steel washer, a fiber washer and then bracket "B", oriented as required against the bolt head. Then slide this bolt through the insulating sleeve all the way through both flanges. On the other end of the bolt, insert bracket "B" oriented as required, then a fiber washer followed by a steel washer and nut. Tighten the nut enough to hold the "B" brackets upright but so they can still be rotated by hand for later alignment.

5b. If the flange bolt is a threaded stud that has a nut and washers on each end, slide this bolt through the insulating sleeve if it was removed and then over the end of the stud slide a "B" bracket, then a fiber washer followed by the steel washer and nut. Tighten the nuts on each end of the stud enough to hold the "B" brackets upright, but so they can still be rotated for later alignment.

6. Using the hardware that was furnished with the SSD, attach an "A" bracket to the inside of each SSD or OVP2 terminal as shown, after first applying TefGel between mating surfaces of the bus bars. Partially tighten the nuts so the "A" brackets can still be adjusted for final alignment.

7. Using the hardware furnished with the kit, assemble a Bracket C to each Bracket A after first applying TefGel between the mating contact surfaces and tighten the nut only as required to hold everything in place but do not yet tighten.

8. Note the polarity label adjacent to each terminal of the product. Orient the product so the C bracket that is connected to the negative terminal will be placed on top of the Bracket B that is connected to the more negative side of the insulated flange. Apply TefGel between the mating contact surfaces, then insert a bolt, washers, and nut to secure each Bracket C to each Bracket B and partially tighten each nut.

9. Orient the product and all brackets so they are aligned as desired and then gradually tighten all (6) nuts associated with the mounting brackets until all nuts are firmly tightened.

10. Last, torque the flange bolt nut, or nuts, to their required torque value. It may be necessary to hold the B Brackets from rotating during this process.

ANSI Y14.5M 1994 APPLIES
 UNLESS NOTED
 UNITS: INCHES
 3-PLACE: ±.005
 2-PLACE: ±.015
 1-PLACE / FRAC: ±.03
 ANGULAR: ±1



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DESCRIPTION				
MTF-L2, MTF-XL INSTALLATION WITH SSD/OVP2				
DOCUMENT #	REV	DATE DRAWN	DWG SIZE	DATE APPROVAL
100029	B	2014-01-13	B	2016-09-29
SCALE	DRAWN	SHEET	DWG APPROVAL	
2:5	JPW	2 OF 2	TC	