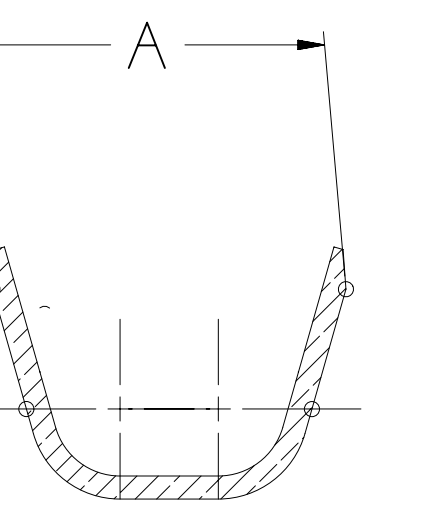
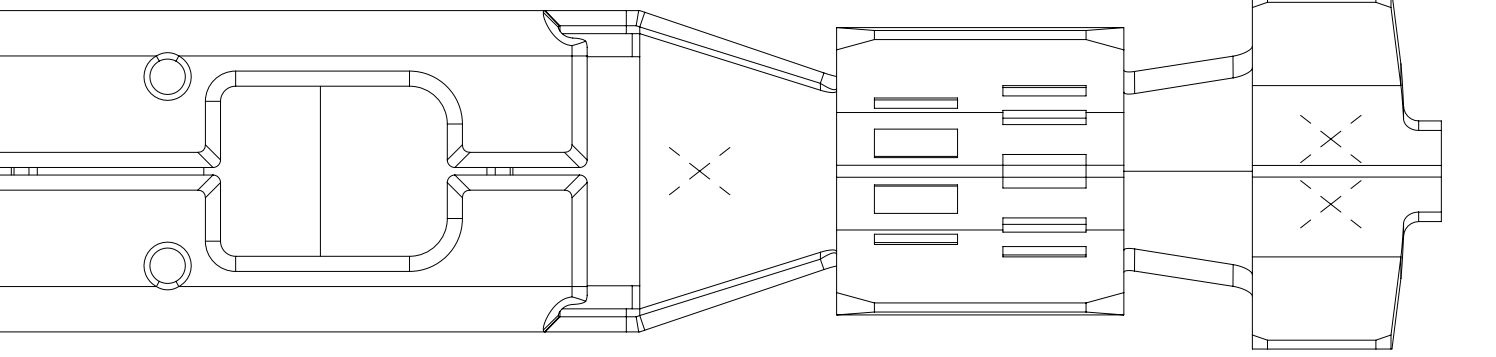


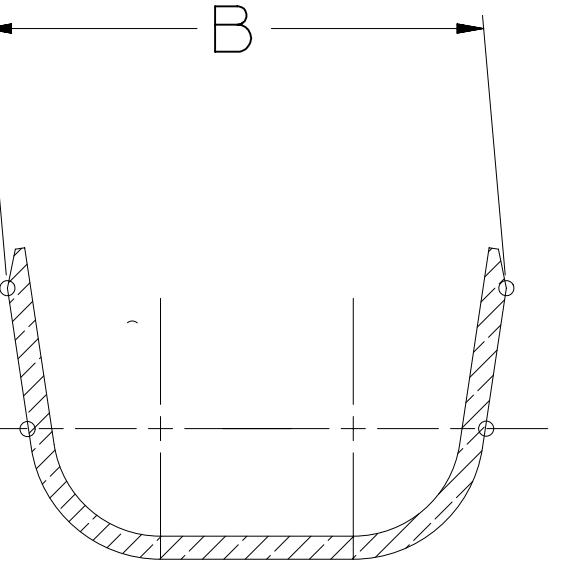
FORD PART-NO.	WIRE TYPE/ SPECIFICATION (DESIGN INTENT)	WIRE - SIZE AWG	WIRE TYPE/ SPECIFICATION (DESIGN INTENT)	WIRE - SIZE METRIC	TERMINAL CRIMP & GRIP REFERENCE TABLE		CONDUCTOR CRIMP INFO			INSULATION CRIMP INFO			APPLICABLE WIRE SEALS		NOTES VALIDATION SOURCE
					CABLE SEAL (CS) UNSEALED (US)	STRIP LENGTH MM	C.C.W. (MM) (+/-0.1)	C.C.H. (MM) (+/-0.05) METRIC	C.C.H. (MM) (+/-0.05) AWG	I.C.W. (MM) (+/-0.1)	I.C.H. (MM) (+/-0.05) METRIC	I.C.H. (MM) (+/-0.05) AWG	FORD PART NUMBER		
XF2T-14474-CA DUST-14474-HBB	AH/AZ	22 GAUGE	TAD	0.35 MM²	US	4.7	1.85	1.1	1.1	2.6	1.65	1.75	-	-	
9UST-14474-KA DUST-14474-GBB XL3T-14474-DA HUST-14474-NA	AH/AZ	20 GAUGE	TAD	0.5 MM²	CS	5.7	2.05	1.25	1.2	3.3	2	3.85	BU5T-14603-MA		
9UST-14474-KA DUST-14474-GBB XL3T-14474-DA HUST-14474-NA	AH/AZ	18 GAUGE	TAD	0.75 MM²	CS	5.6	2.05	1.3	1.3	3.3	2.1	4	BU5T-14603-MA		
9UST-14474-KA DUST-14474-GBB XL3T-14474-DA HUST-14474-NA	AH/AZ	18 GAUGE	TAD	1 MM²	CS	5.6	2.05	1.4	1.3	3.3	2.1	4	XL3T-14603-FA BU5T-14603-MA		
BU5T-14474-GA FBVB-14474-BA DUST-14474-JBB	AH/AZ	20 GAUGE	TAD	0.5 MM²	US	4.7	2.05	1.25	1.2	2.6	2	2.2	-		
BU5T-14474-GA FBVB-14474-BA DUST-14474-JBB	AH/AZ	18 GAUGE	TAD	0.75 MM²	US	4.7	2.05	1.3	1.35	2.6	2.1	2.35	-		
BU5T-14474-GA FBVB-14474-BA DUST-14474-JBB	AH/AZ	18 GAUGE	TAD	1 MM²	US	4.7	2.05	1.4	1.35	2.6	2.3	2.35	-		
YF1T-14474-CA DUST-14474-KBB	AH/AZ	2(18-20 GAUGE)	TAD	2(0.5-1 MM²)	US	TBD	3.05	VARIABLE	VARIABLE	4.3	VARIABLE	VARIABLE	-		
9UST-14474-JA DUST-14474-EBB XL3T-14474-AA HUST-14474-MA	AH/AZ	16 GAUGE	TAD	1.5 MM²	CS	5.6	2.5	1.4	1.5	4.1	4.1 ±0.1	4.25	XL3T-14603-EA		
9UST-14474-JA DUST-14474-EBB XL3T-14474-AA HUST-14474-MA	AH/AZ	14 GAUGE	TAD	2 MM²	CS	5.6	2.5	1.8	1.7	4.1	4.1	4.4	XL3T-14603-DA BU5T-14603-NA		
9UST-14474-JA DUST-14474-EBB XL3T-14474-AA HUST-14474-MA	AH/AZ	14 GAUGE	TAD	2.5 MM²	CS	5.6	2.5	1.9	1.7	4.1	4.35	4.4	XL3T-14603-DA BU5T-100930-HA		
BU5T-14474-HA FBVB-14474-AA DUST-14474-LBB	AH/AZ	16 GAUGE	TAD	1.5 MM²	US	5.1	2.5	1.4	1.5	3.2	2.6 ±0.1	2.6	-		
BU5T-14474-HA FBVB-14474-AA DUST-14474-LBB	AH/AZ	14 GAUGE	TAD	2 MM²	US	5.1	2.5	1.8	1.7	3.2	3	2.7	-		
BU5T-14474-HA FBVB-14474-AA DUST-14474-LBB	AH/AZ	14 GAUGE	TAD	2.5 MM²	US	5.1	2.5	1.9	1.7	3.2	3.1	2.7	-		
XL3T-14474-CA DUST-14474-FBB	AH/AZ	12 GAUGE	TAD	3 MM²	CS	5.6	3.45	1.95	1.95	4.3	4.4	4.8	XL3T-14603-CA		
7L7T-14474-EA DUST-14474-MBB	AH/AZ	12 GAUGE	TAD	3 MM²	US	5.6	3.45	1.95	1.95	4.15	3.3	3.4	-		
XF2T-14474-BA	AH/AZ	10 GAUGE	TAD	5 MM²	US	5.6	3.45	2.4	2.25	4.2	4.3	4.2	-		
XF2T-14474-BA	AH/AZ	10 GAUGE	TAD	6 MM²	US	5.6	3.45	2.5	2.25	4.2	4.3	4.2	-		
DUST-14474-NBB	AH/AZ	10 GAUGE	TAD	5 MM²	CS	TBD	3.45	N/A	N/A	N/A	N/A	N/A	XL3T-14603-AA		
DUST-14474-NBB	AH/AZ	10 GAUGE	TAD	6 MM²	CS	TBD	3.45	N/A	N/A	N/A	N/A	N/A	XL3T-14603-AA		

AL2

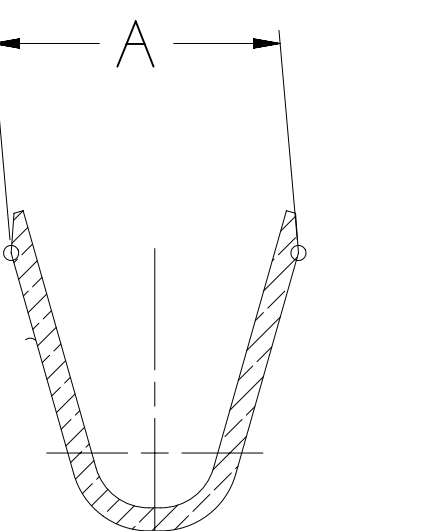
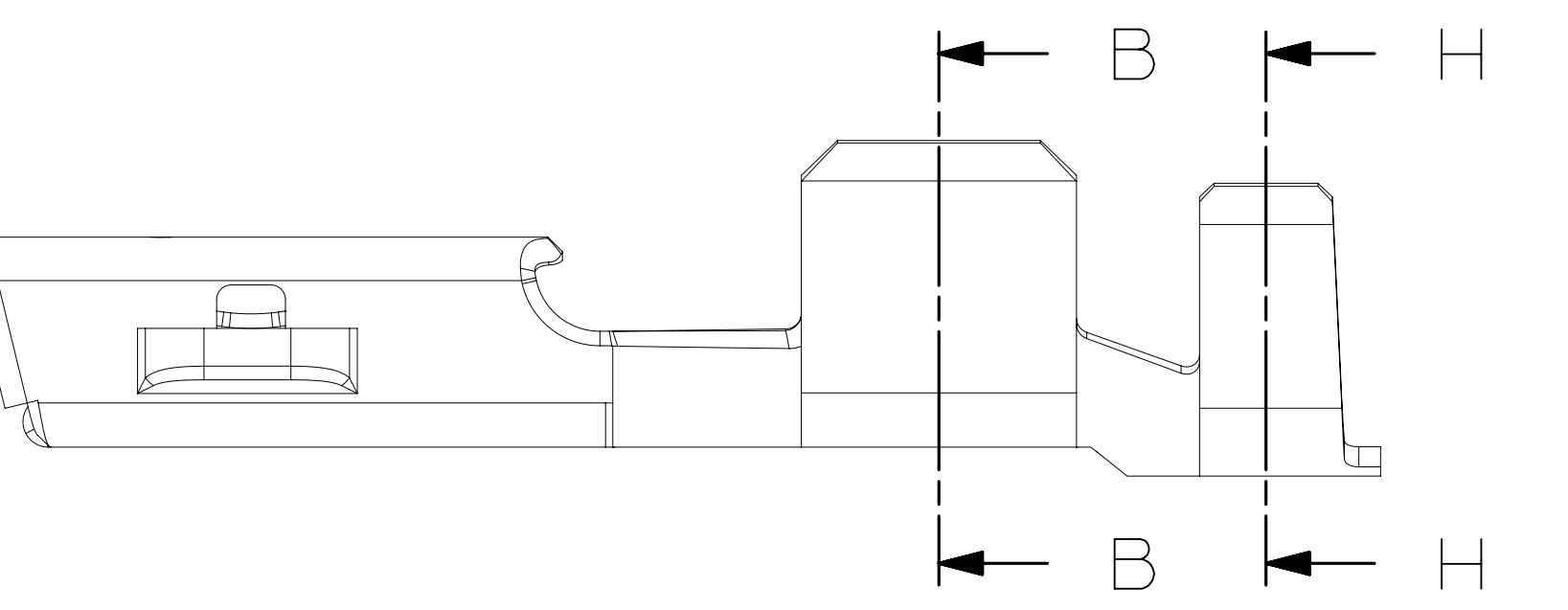
AL2



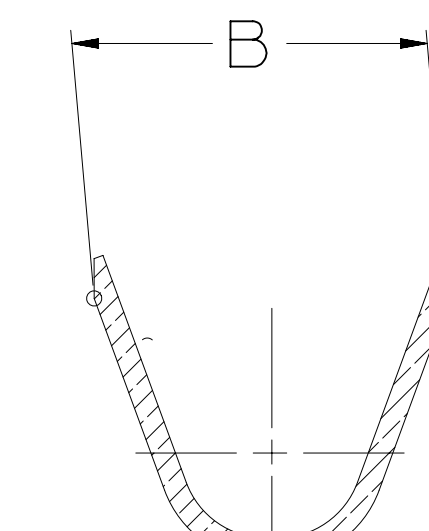
SECTION B-B
DOUBLE WIRE
UNSEALED
CORE GRIP



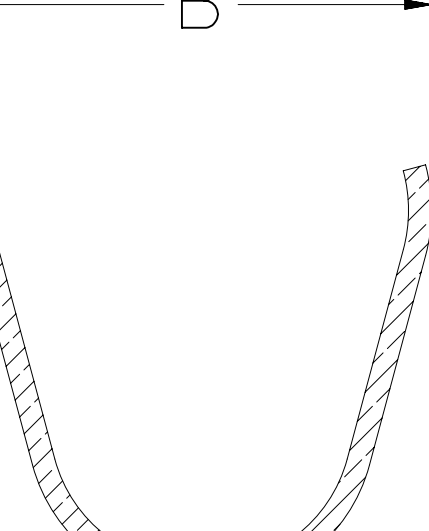
SECTION H-H
DOUBLE WIRE
UNSEALED
INSULATION GRIP



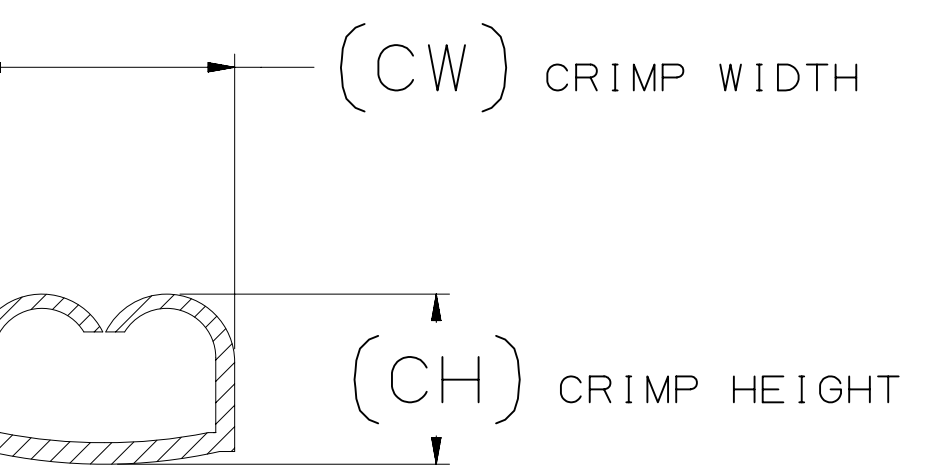
SECTION B-B
UNSEALED AND SEALED
CORE GRIP



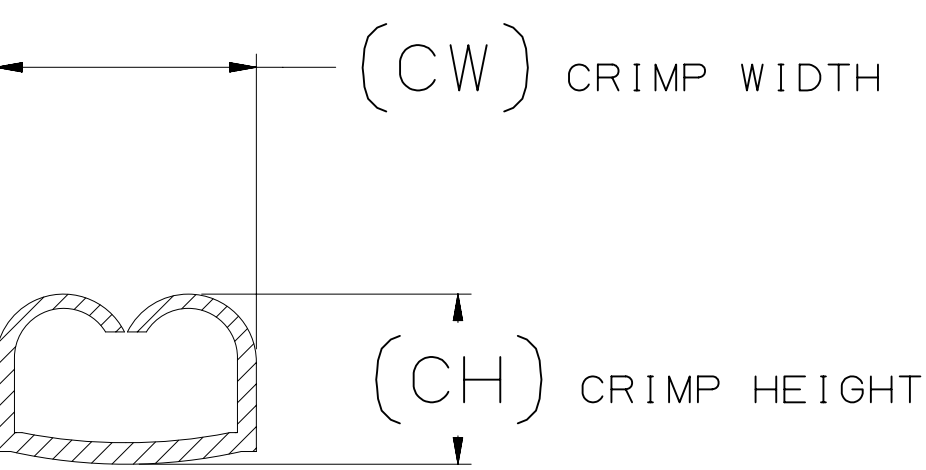
SECTION H-H
UNSEALED
INSULATION GRIP



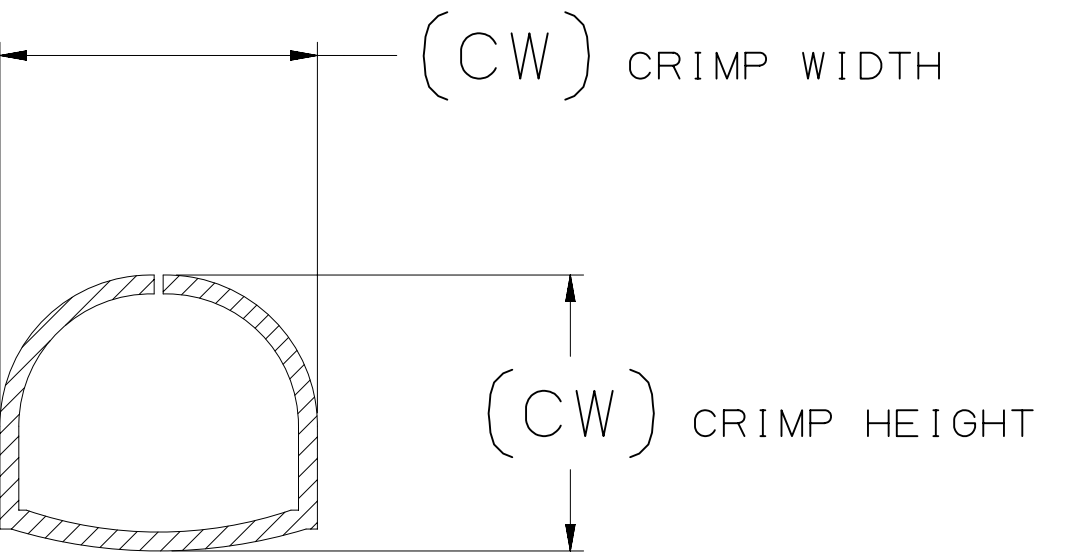
SECTION H-H
SEALED
INSULATION GRIP



SECTION K-K
CONDUCTOR CRIMP

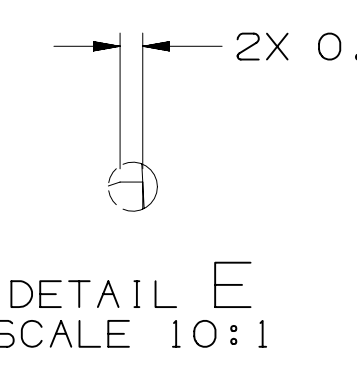


SECTION L-L
INSULATION CRIMP
"D" STYLE
OPTION 1

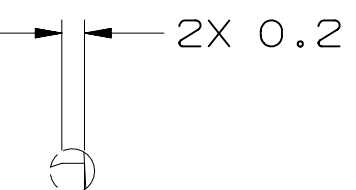


SECTION L-L
INSULATION CRIMP
"D" STYLE
OPTION 2

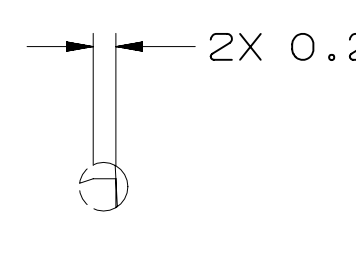
USCAR 21 VALIDATED CRIMP TOOL DIMENSIONS																														
FORD PART-NO.	DELPHI PART NUMBER	WIRE - SIZE	A±0.3	B±0.3	E±0.3 COND	F±0.3 COND	F±0.3 INS	G±0.3 COND	G±0.3 INS	J±0.3 COND	J±0.3 INS	K±0.3 COND	K±0.3 INS	L±0.3 OFFSET AVI L'S COND	L±0.3 OFFSET AVI L'S IND	M±0.3 COND	M±0.3 INS	N±0.3 COND	N±0.3 INS	P±0.3 COND	P±0.3 INS	R±0.3 COND	R±0.3 INS	S±0.3 COND	S±0.3 INS	T±0.3 COND	T±0.3 INS	U±0.3 COND	U±0.3 INS	
XF2T-14474-CA DUST-14474-HBB	10757691 33350999	0.35 MM²	2.6	3.2	0.83	0.48	-	0.11	-	2.31	-	1.79	-	0	-	1.78	-	0.18	-	3.25	-	2.53	-	2.5	-	N/A	-	N/A		
9UST-14474-KA DUST-14474-GBB XL3T-14474-DA HUST-14474-NA	13948955 33351008 10810375 33153107	1-0.5 MM²	3	5.1	0.92	0.53	-	0.12	-	2.56	-	1.99	-	0.6	-	1.97	-	-	0.24	-	4.12	-	3.2	-	3.17	-	N/A	-	N/A	
BU5T-14474-GA FBVB-14474-BA DUST-14474-JBB	15422510 10757690 33350993	1-0.5 MM²	3	3.8	0.92	0.53	-	0.12	-	2.56	-	1.99	-	-	-	1.97	1.78	-	0.18	-	3.25	-	2.53	-	2.5	-	N/A	-	N/A	
YF1T-14474-CA DUST-14474-KBB	10757689 33350997	2(1-0.5 MM²)	4.6	6.6	1.36	0.79	-	0.22	-	3.81	-	2.96	-	-	-	-	-	-	0.34	-	5.38	-	4.17	-	4.13	-	1.92	-	1.11	
9UST-14474-JA DUST-14474-EBB XL3T-14474-AA HUST-14474-MA	15470590 33350989 10810375 15509075	2.5-1.5 MM²	3.8	6.1	1.09	0.63	-	0.16	-	3.06	-	2.38	-	-	-	2.36	-	-	0.32	-	5.12	-	3.98	-	3.94	-	-	-	-	
BU5T-14474-HA FBVB-14474-AA DUST-14474-LBB	13681975 10762803 33350990	2.5-1.5 MM²	3.8	4.7	1.09	0.63	-	0.16	-	3.06	-	2.38	-	-	-	2.36	-	-	0.23	-	4	-	3.11	-	3.08	-	N/A	-	N/A	
XL3T-14474-CA DUST-14474-FBB	10810733 33351002	3-4 MM²	5.2	6.6	1.54	0.89	-	0.26	-	4.31	-	3.35	-	-	-	3.32	-	-	0.34	-	5.38	-	4.17	-	4.13	-	1.92	-	1.11	
7L7T-14474-EA DUST-14474-MBB	15422738 33350995	3 MM²	5.2	5.2	1.54	0.89	-	0.26	-	4.31	-	3.35	-	-	-	3.32	-	-	0.33	-	5.19	-	4.03	-	3.99	-	-	-	-	
XF2T-14474-BA	10762802	4-6 MM²	5.2	5.2	1.54	0.89	-	0.26	-	4.31	-	3.35	-	-	-	3.32	4.04	-	0.33	-	5.25	-	4.08	-	4.04	-	1.87	-	1.08	
DUST-14474-NBB	33350987	4-6 MM²	5.2	6.5	1.54	0.89	-	0.26	-	4.31	-	3.35	-	-	-	3.32	4.04	-	0.33	-	5.25	-	4.08	-	4.04	-	1.87	-	1.08	



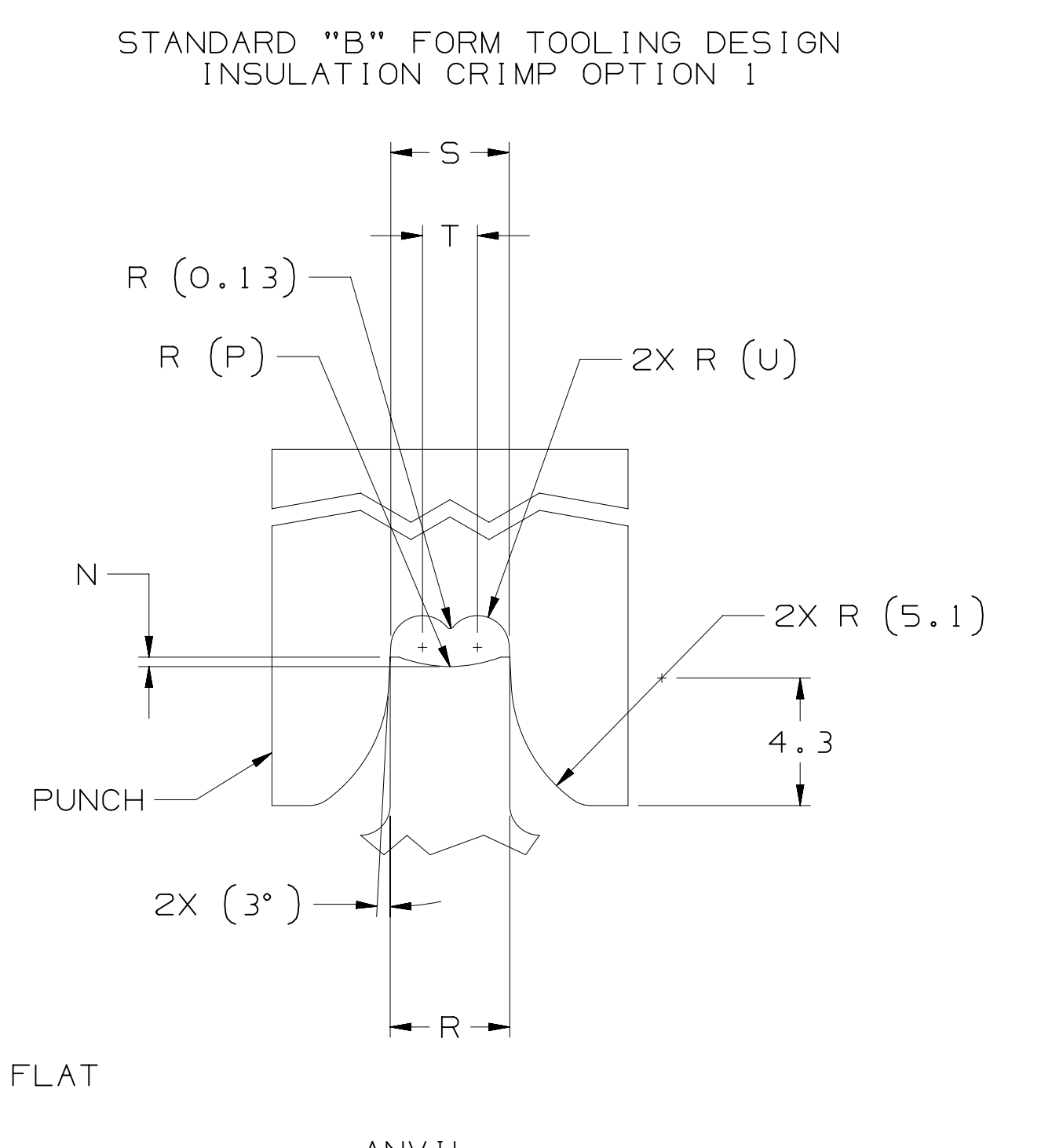
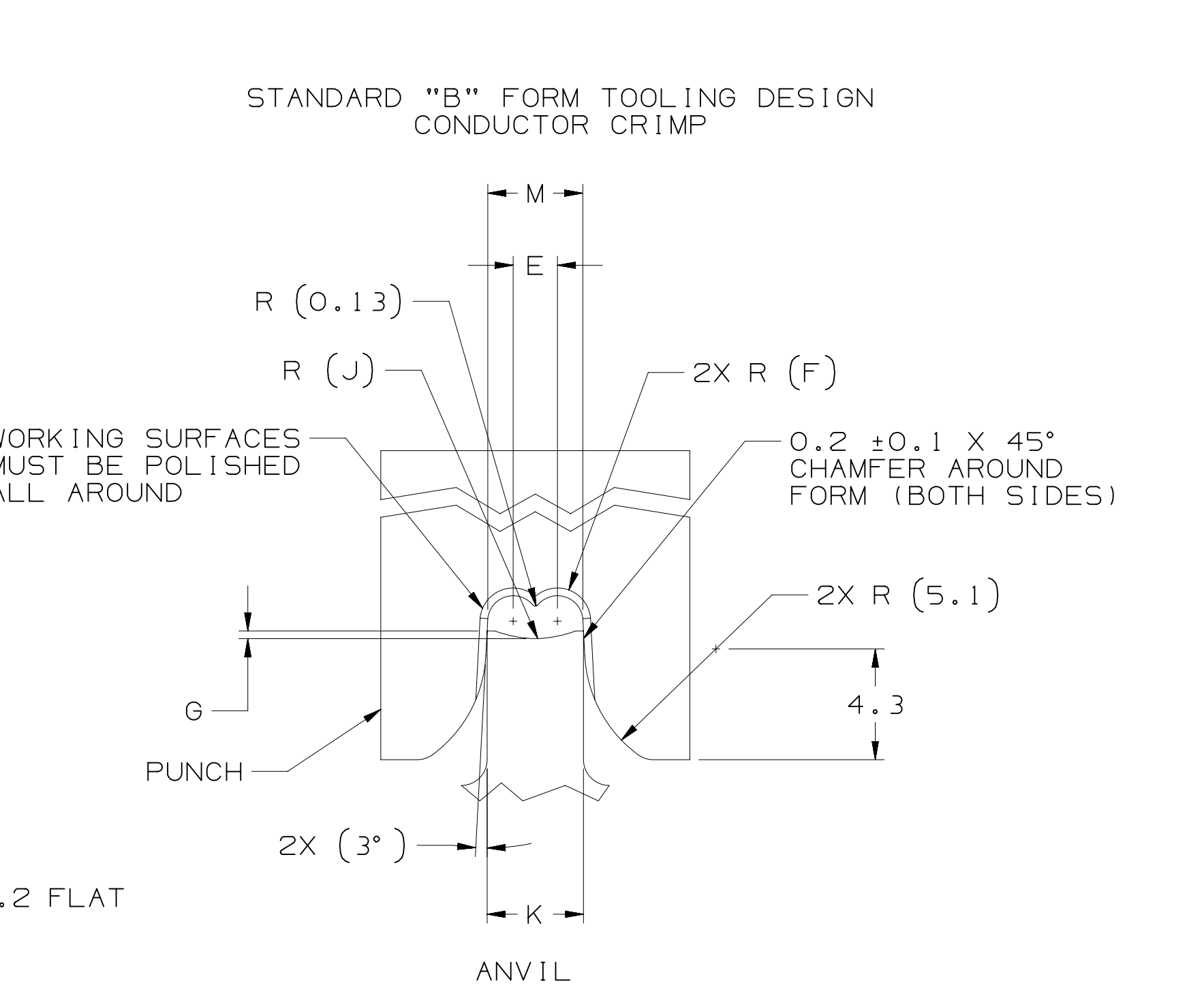
DETAIL E
SCALE 10:1



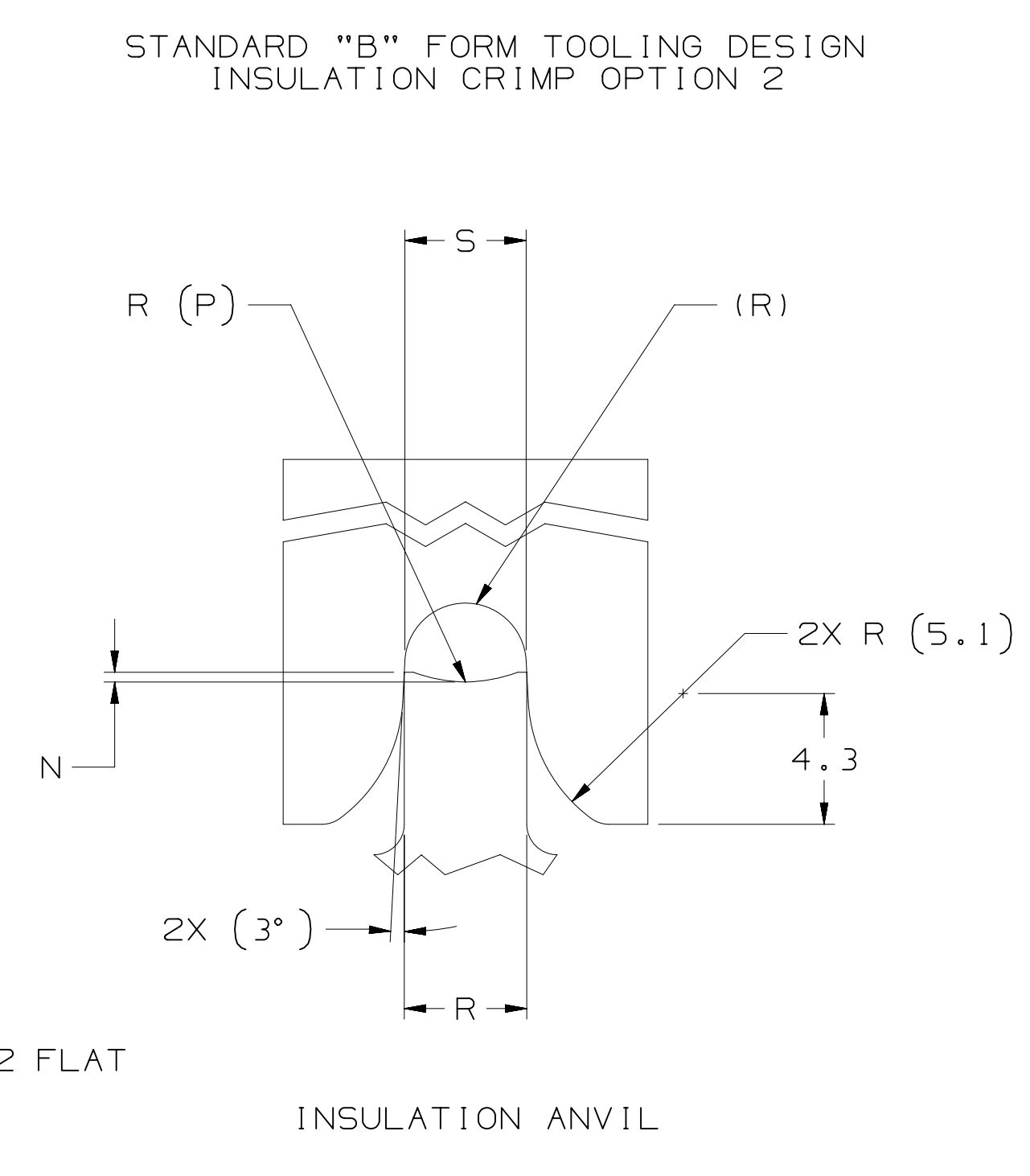
DETAIL F
SCALE 10:1



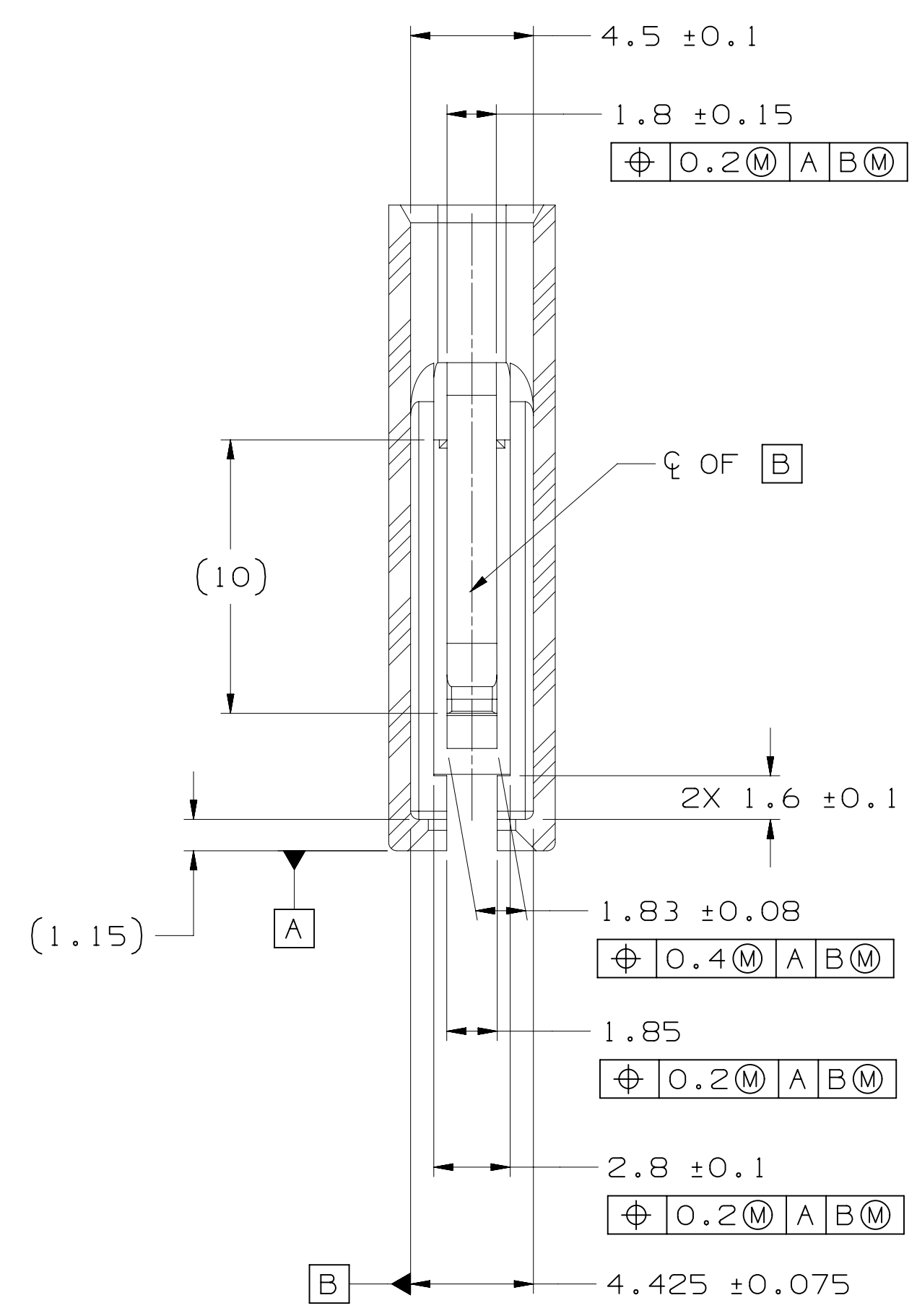
DETAIL G
SCALE 10:1



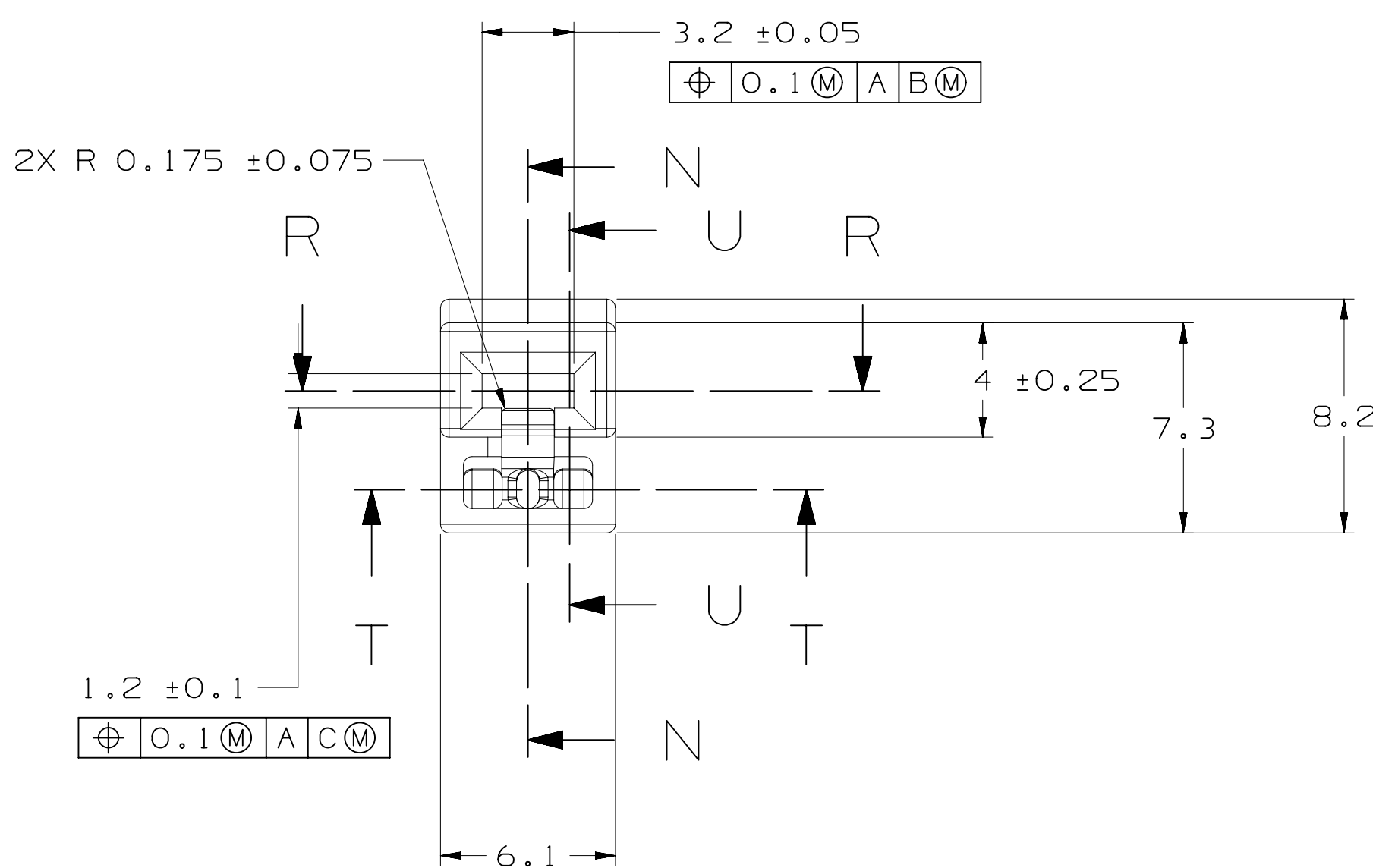
DETAIL F
SCALE 10:1



DETAIL G
SCALE 10:1

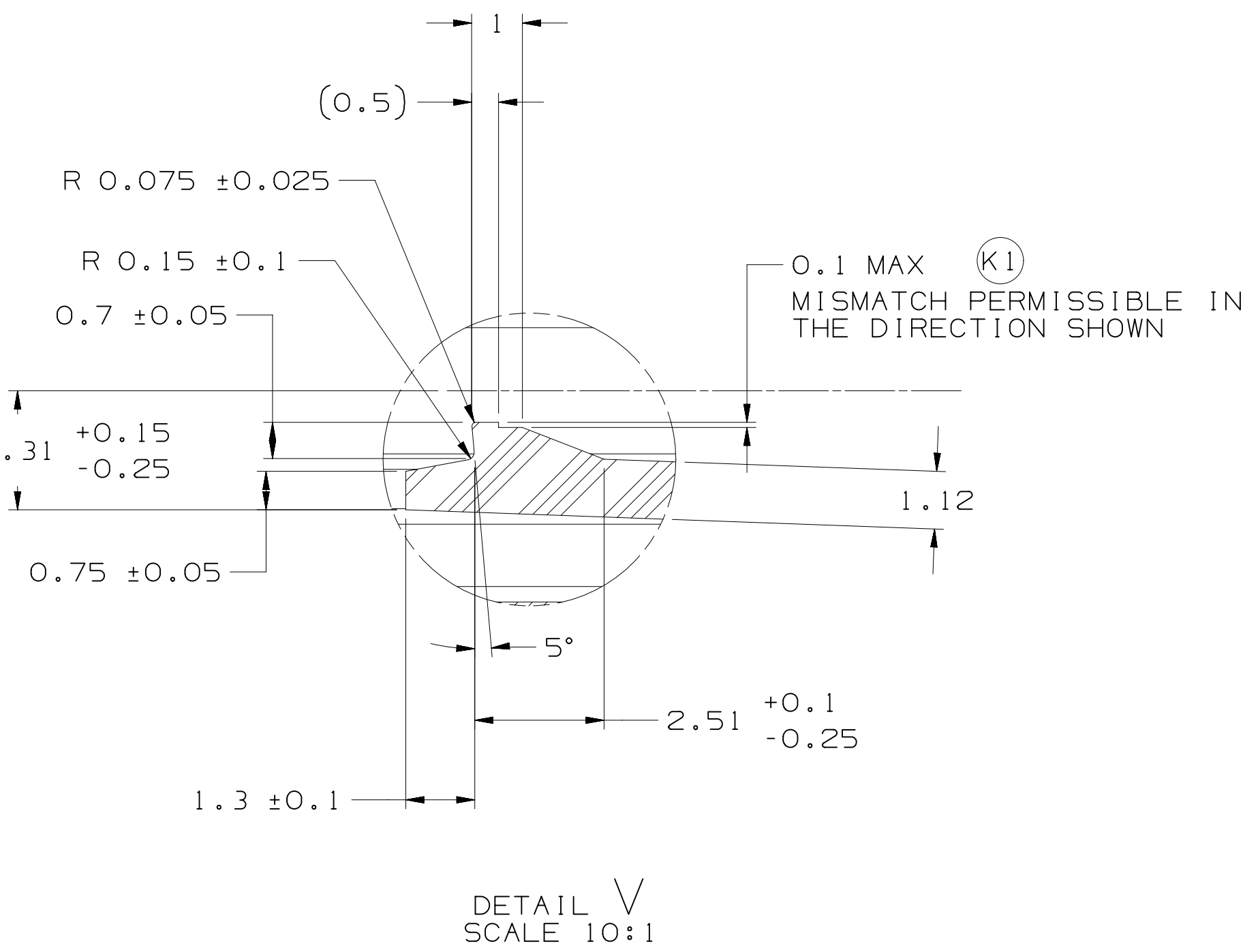


SECTION R-R

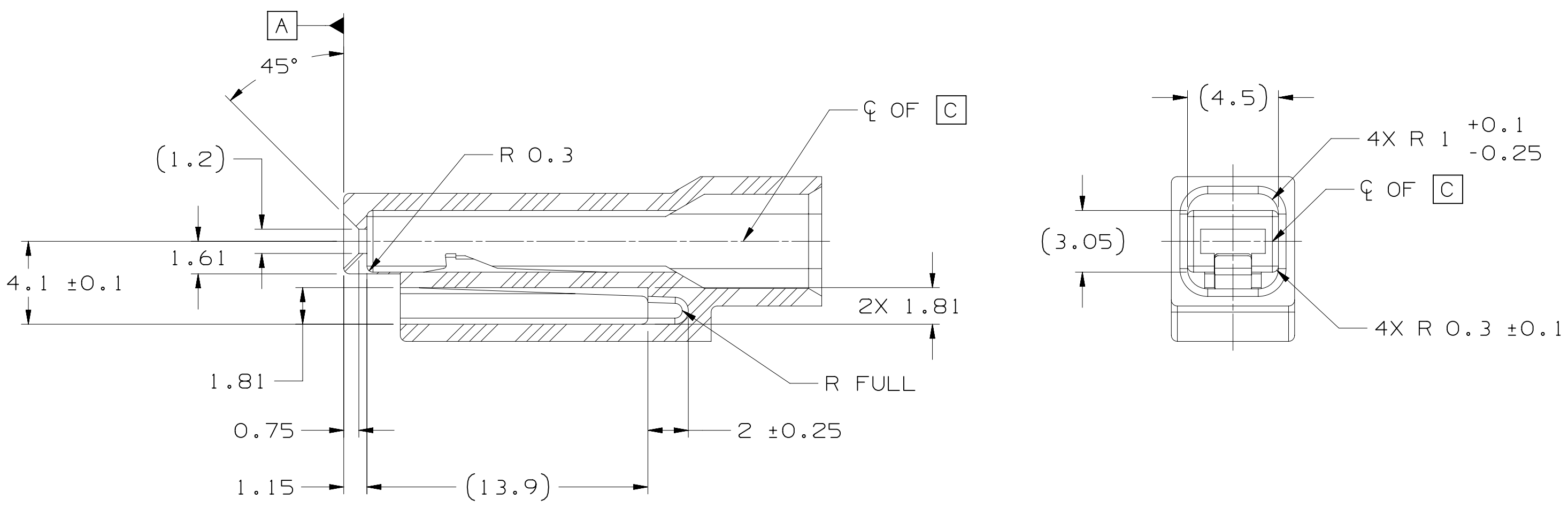


SECTION T-T

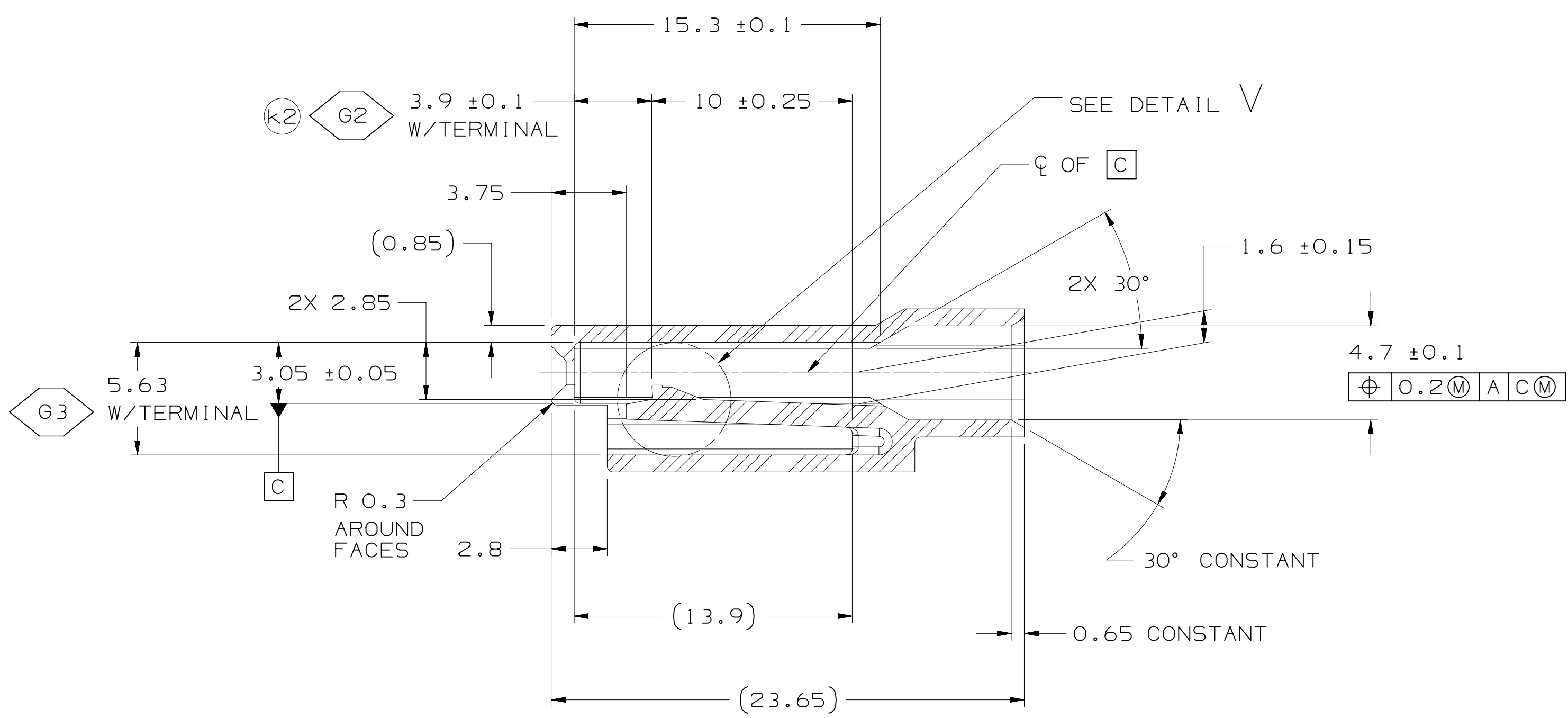
CAVITY DETAIL (SHOWN UNSEALED OPTION)



DETAIL V
SCALE 10:1



SECTION U-U

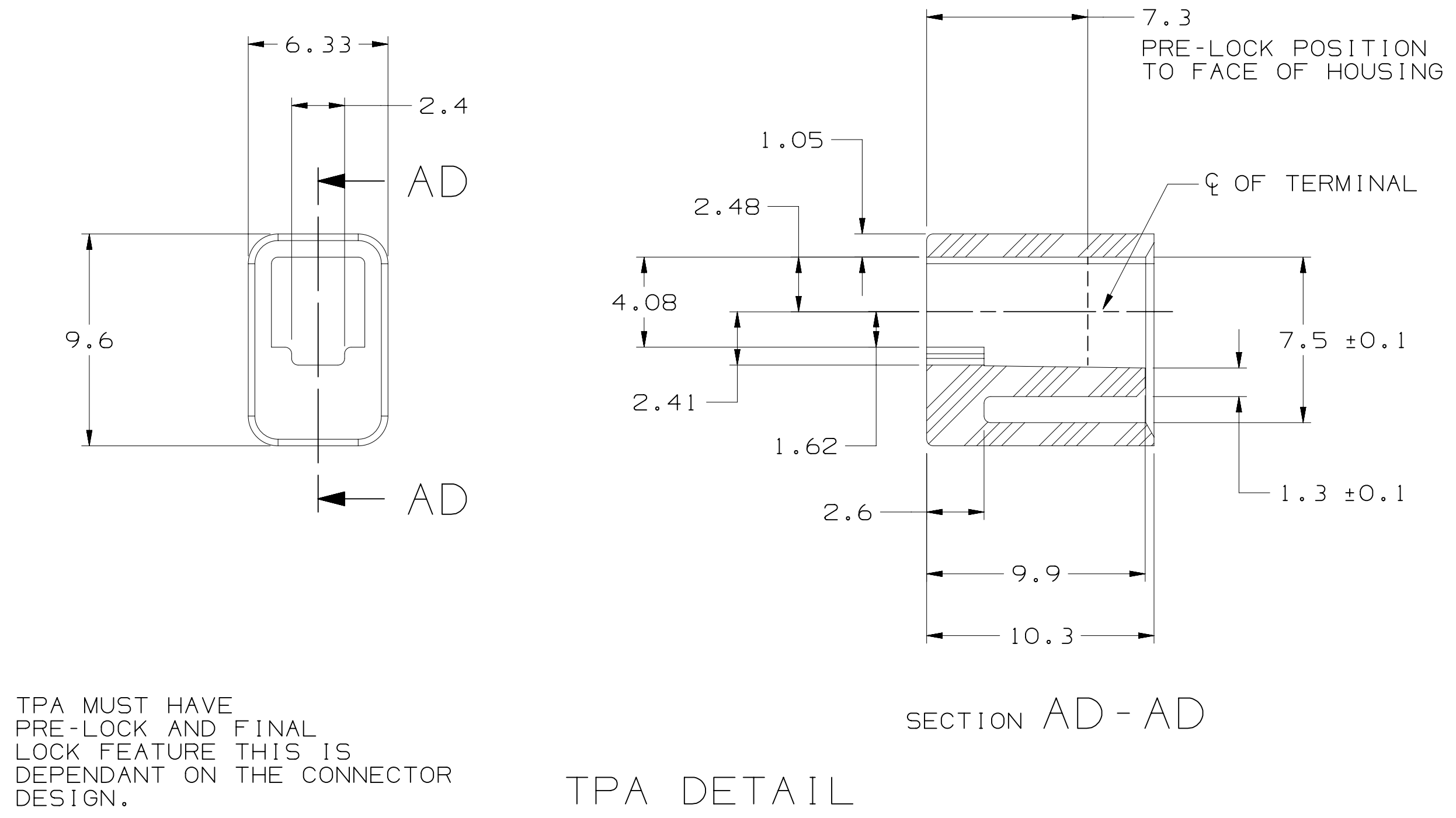


SECTION N-N

- CAVITY DETAIL NOTES:
1. CAVITY, TPA DESIGN SHOWN IS BASED ON UTILIZATION OF A SPECIFIC MATERIAL (NYLON 6/6 35% GLASS FILLED). USER OF THIS CAVITY DESIGN IS RESPONSIBLE FOR ANY NECESSARY MODIFICATIONS REQUIRED FOR A SPECIFIC APPLICATION OR MATERIAL.
 2. CAVITY DETAIL IS VALID FOR BOTH SEALED AND UNSEALED APPLICATIONS. THE MAT-SEAL MUST FALL BEHIND THE CAVITY PROPER AS INDICATED, AND THE DESIGN WILL BE DETERMINED BY THE CONNECTOR DESIGN REQUIREMENTS.
 3. CAVITY DESIGN IS GENERIC IN NATURE. IT IS INTENDED TO DOCUMENT CAVITY DIMENSIONS REQUIRED FOR PROPER TERMINAL FIT. DESIGN HAS BEEN SHOWN TO BE FUNCTIONAL. ALTERNATE DESIGN MEETING CAVITY DIMENSIONS MY ALSO BE ACCEPTABLE.
 4. UNLESS SPECIFIED ALL RADIUS TO BE 0.3 MM. GENERAL TOLERANCES ±0.1 ALL TWO PLACES. DIM ±1° ON ANGULAR DIMS.
 5. UNDIMENSIONED FEATURES ARE AT THE DISCRETION OF THE COMPONENT DESIGNER.
 6. INDICATES IN-PROCESS INSPECTION FOR MANUFACTURING DIMENSIONS OR SPECIFICATIONS (2).
 7. DENOTES GAGE REQUIREMENTS FOR USER AND MANUFACTURER. (3)
 8. VENDOR MUST SUBMIT FOR ENGINEERING APPROVAL. THE LOCATION OF PARTING LINES PRIOR TO CONSTRUCTION OF MOLD.
 9. TO BE USED WITH 2.8 MM APEX FEMALE TERMINAL SYSTEM SEE SHEET 1.
 10. UNLESS OTHERWISE SPECIFIED ALL DRAFT TO BE WITHIN DIMENSIONAL TOLERANCE ONLY.
 11. EXTERNAL CAVITY PROFILE FOR REFERENCE ONLY.
 12. REFERENCE: FCI CAVITY DRAWING C15001.DWG,REV.E
- TOLERANCES: 1 PLACE ±0.25
2 PLACE ±0.1
ANGULAR ±2°

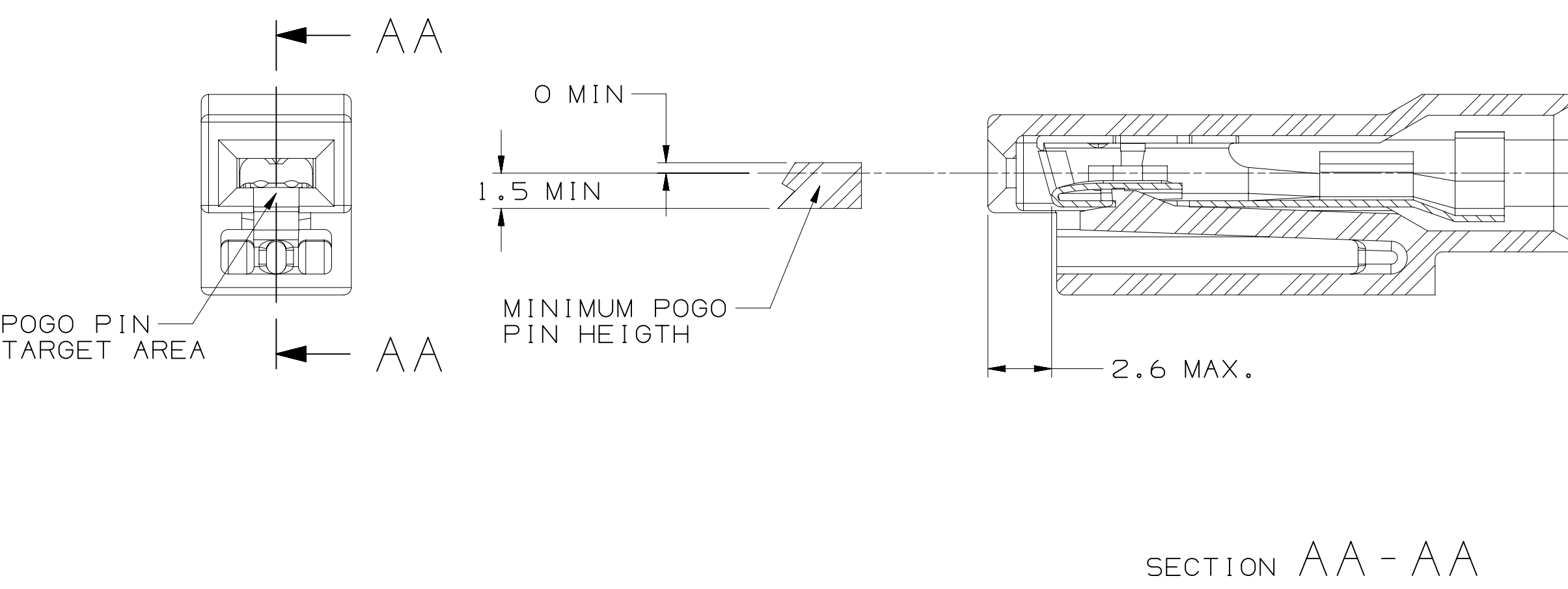
NOTES:

1. BY USING ANY INFORMATION CONTAINED IN THIS DRAWING. (IFCI AUTOMOTIVE), THE USER AGREES TO THE FOLLOWING:
 - A. USING FCI AUTOMOTIVE INFORMATION SHOWN IN THE DRAWING FOR ANY PURPOSE OTHER THAN CAVITY DESIGN IS PROHIBITED.
 - B. ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-FRAGMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY ARE EXPRESSLY DISCLAIMED AND EXCLUDED. THE ENTIRE RISK AS TO RESULT OBTAINED BY USING THE FCI AUTOMOTIVE INFORMATION IS ASSUMED BY THE USER.
 - C. FCI AUTOMOTIVE SHALL NOT BE LIABLE FOR ANY LOSS OR INJURY TO EARNINGS, PROFITS, GOODWILL, OR ANY PUNITIVE EXEMPLARY, DIRECT CHAIN, SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.
 - D. THE USER OF THE FCI AUTOMOTIVE INFORMATION AGREES TO DEFEND, IDENTIFY AND HOLD HARMLESS FCI AUTOMOTIVE AND ITS AFFILIATED ENTITIES, RESPECTIVE OFFICERS, EMPLOYEES, AND AGENTS FROM ANY AND CLAIMS, COSTS, EXPENSES, DAMAGES, JUDGEMENTS, OR OTHER LOSSES INCLUDING THE COST OF INVESTIGATION AND LITIGATION AND REASONABLE ATTORNEY'S FEES ARISING OUT OF THE USE OF THE FCI AUTOMOTIVE INFORMATION.
 - E. ANY PROPOSED TERMINAL/CONNECTOR COMBINATION MUST BE TESTED AND VALIDATED FOR FUNCTION PROPR TO IMPLEMENTATION IN A HARNESS DESIGN. THE OEM SHALL DEFINE RESPONSIBILITY FOR TERMINAL/CONNECTOR VALIDATION.
 - F. USER IS RESPONSIBLE FOR ANY SPECIFIC APPLICATION OF THE FCI AUTOMOTIVE INFORMATION.
 - G. MANUFACTURER RECOMMENDS USE OF FCI AUTOMOTIVE SUPPLIED TERMINALS WITH THE CAVITY DESIGN SHOWN IN DRAWING.
 - H. FCI AUTOMOTIVE INFORMATION CANNOT BE USED BY ANY PERSON OR ENTITY FOR ANY PURPOSE OTHER THAN FORD APPLICATION.
 - J. ANY USE OF THE INFORMATION SHOWN ON THE DRAWING REQUIRES THE PRIOR WRITTEN CONSENT OF FCI AUTOMOTIVE OR FORD MOTOR COMPANY.

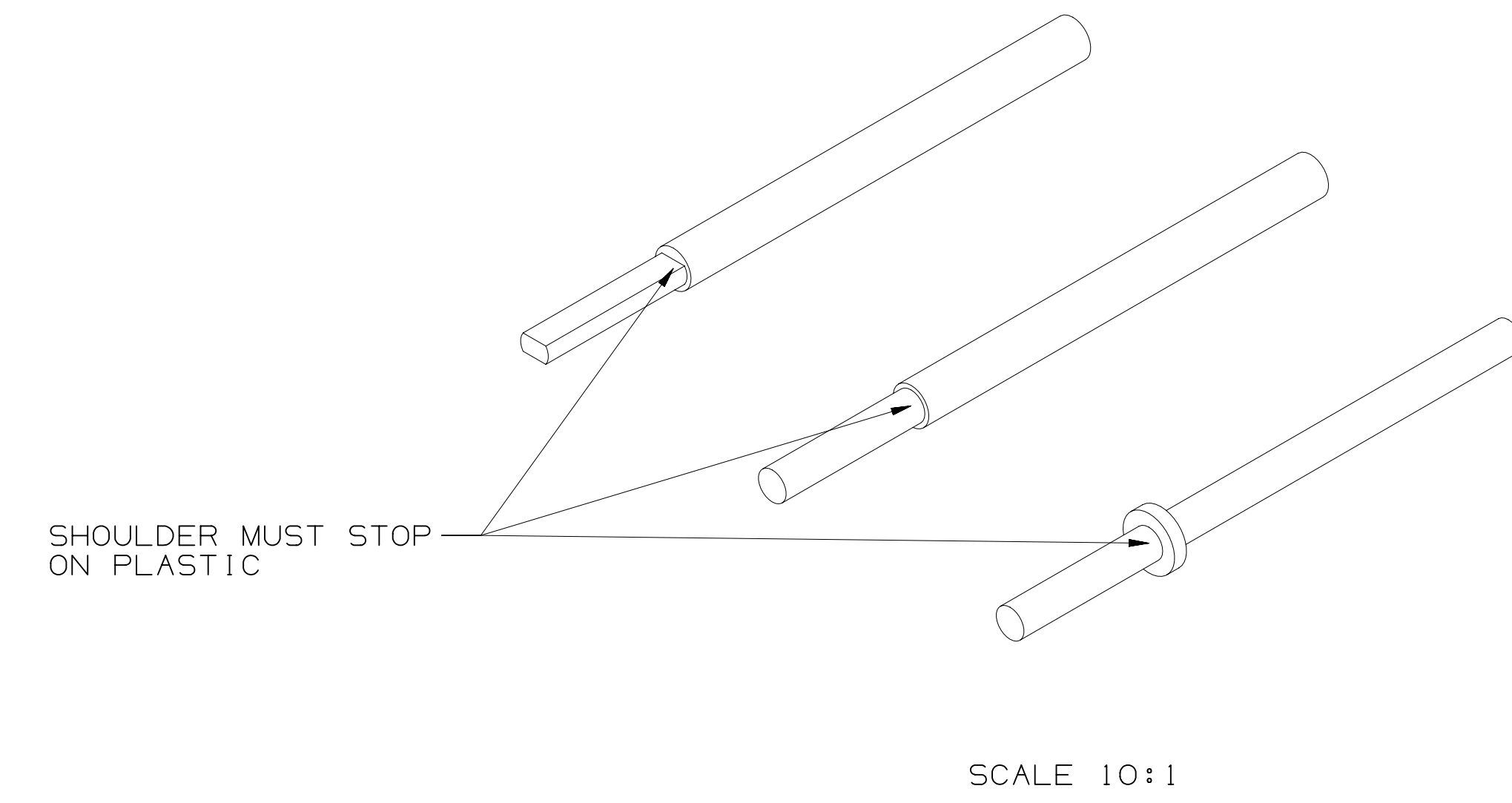


TPA DETAIL

TPA MUST HAVE PRE-LOCK AND FINAL LOCK FEATURE THIS IS DEPENDANT ON THE CONNECTOR DESIGN.

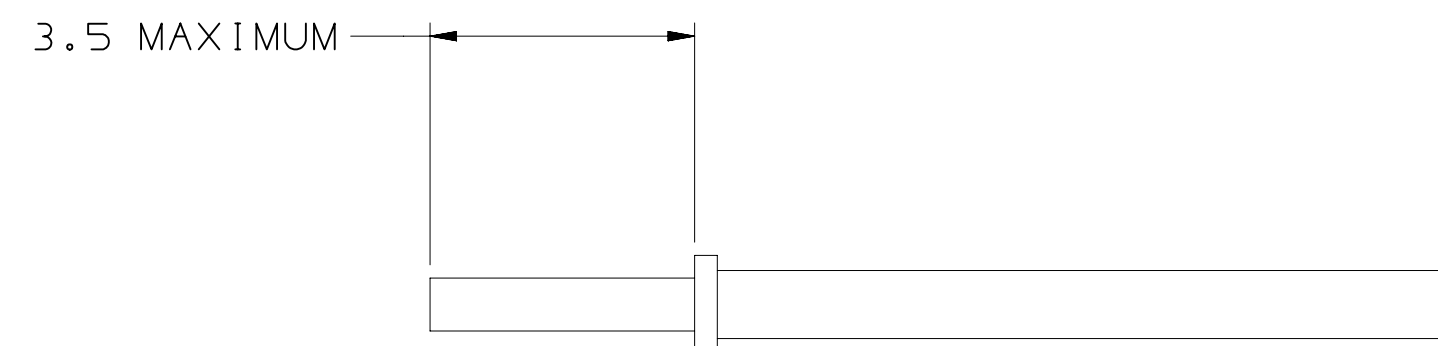


SECTION AA-AA



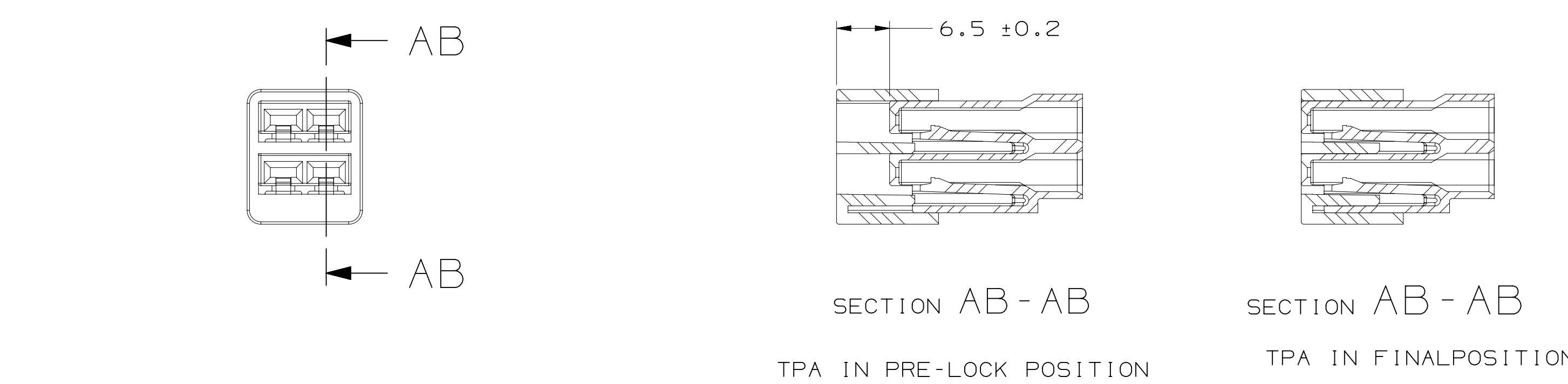
ACCEPTABLE POGO PIN TIPS

THE EXAMPLE IN THIS GRAPHIC ILLUSTRATE THE SOLID SHAFT OF SPRING LOADED TEST PROBE DESIGNS. THE SHOULDERS SHOW ON THE ROUND DESIGNS ARE INTENDED TO STOP ON TH PLASTIC CONNECTOR HOUSING AND PREVENT THE TIP OF THE PROBE FROM ENTERING THE FEMALE TERMINAL. THE BLADE DESIGN IS INTENDED TO TOUCH THE FEMALE TERMINAL AT 90° TO THE ORIENTATION OF THE MATING MALE TERMINAL BLADE AS TO PREVENT THE BLADE FROM ENTERING THE FEMALE TERMINAL.



1. IT IS THE RESPONSIBILITY OF THE TEST FIXTURE MANUFACTURER TO ALIGN AND SIZE THE POGO PIN TIP TO ALWAYS CONTACT THE TERMINAL TARGET AREA.
2. IT IS THE RESPONSIBILITY OF THE TEST FIXTURE MANUFACTURER TO PROPERLY ALIGN THE CONNECTOR AND POGO PINS TO PREVENT THE POGO PIN FROM CAUSING DAMAGE TO THE TERMINAL OR CONNECTOR.
3. THE TIP OF THE POGO PIN IS NOT ALLOWED TO ENTER THE OPENING OF THE TERMINAL.
4. MAXIMUM FORCE OF A POGO PIN IS NOT EXCEED 3 NEWTONS WHEN CONTACTING ANY PORTION OF THE CONNECTOR SYSTEM.

POGO PIN DESIGN CRITERIA



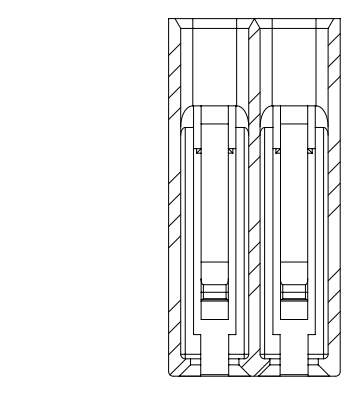
SECTION AB-AB

TPA IN PRE-LOCK POSITION

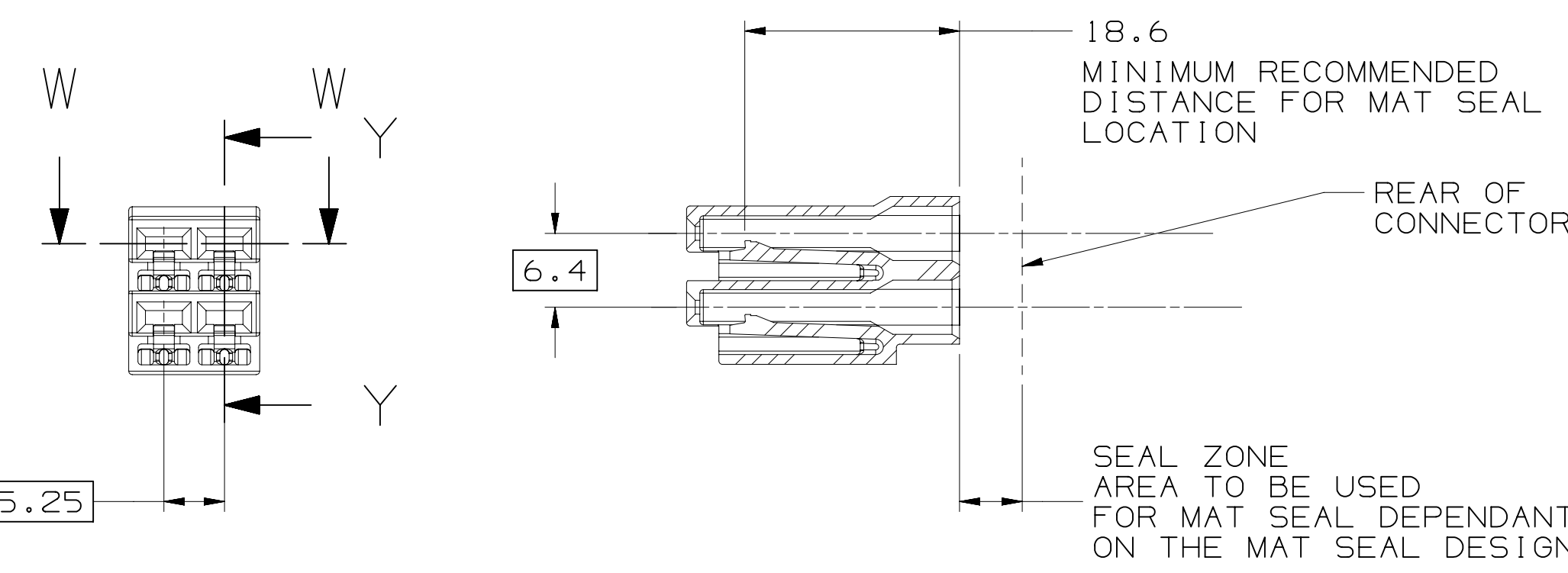
SECTION AB-AB

TPA IN FINALPOSITION

ASSEMBLY DETAIL



SECTION W-W

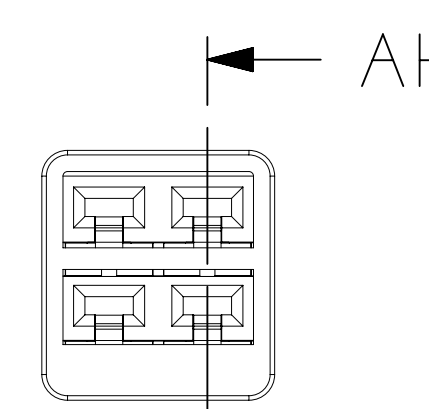


SECTION Y-Y

FEMALE CAVITY DETAIL

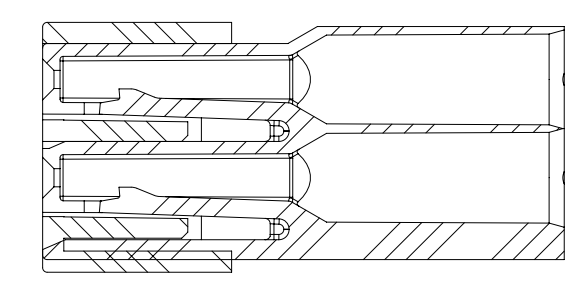
UN-SEALED OPTION

SCALE 2:1



SECTION AH-AH

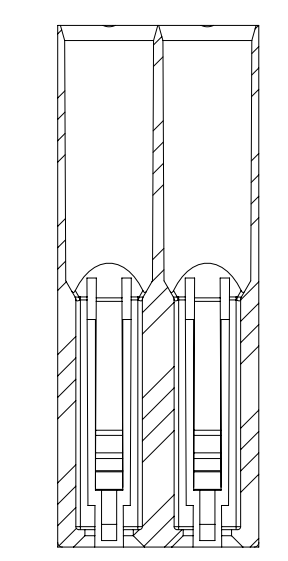
TPA IN PRE-LOCK POSITION



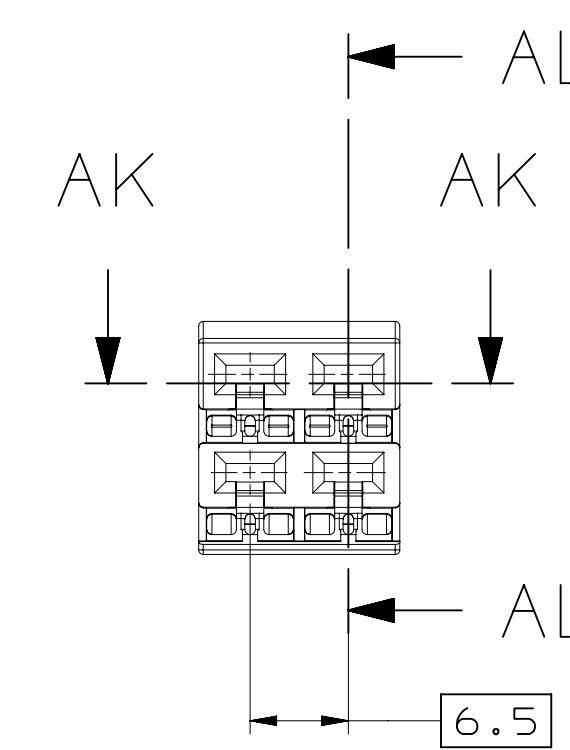
SECTION AH-AH

TPA IN FINALPOSITION

ASSEMBLY DETAIL



SECTION AK-AK

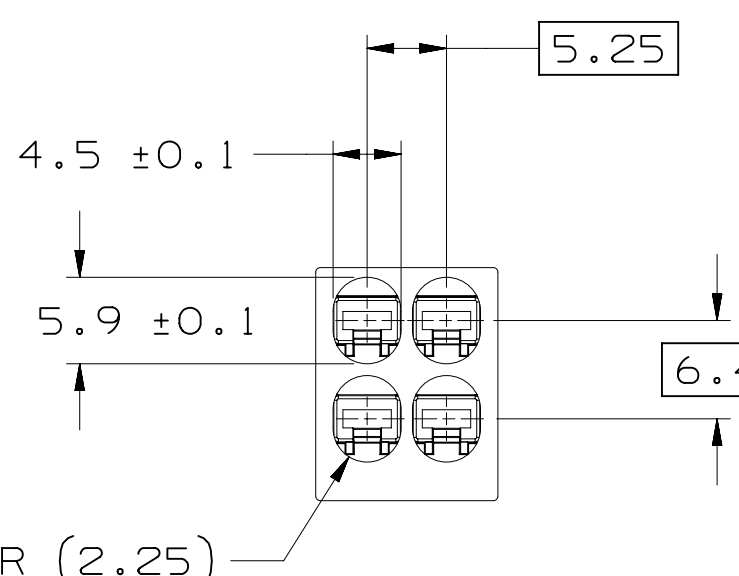


SECTION AL-AL

FEMALE CAVITY DETAIL

CABLE SEAL OPTIONS

SCALE 2:1



SECTION AL-AL

30 MIN FOR STRAIGHT WIRE DRESS

OVAL SEAL CAVITIES (OPTIONAL CONSTRUCTION)

DRAWING	F8VB-14474-AA	REV BHT 3
F8VB-14474-A-DWG-01	FORD MOTOR COMPANY	OF 3