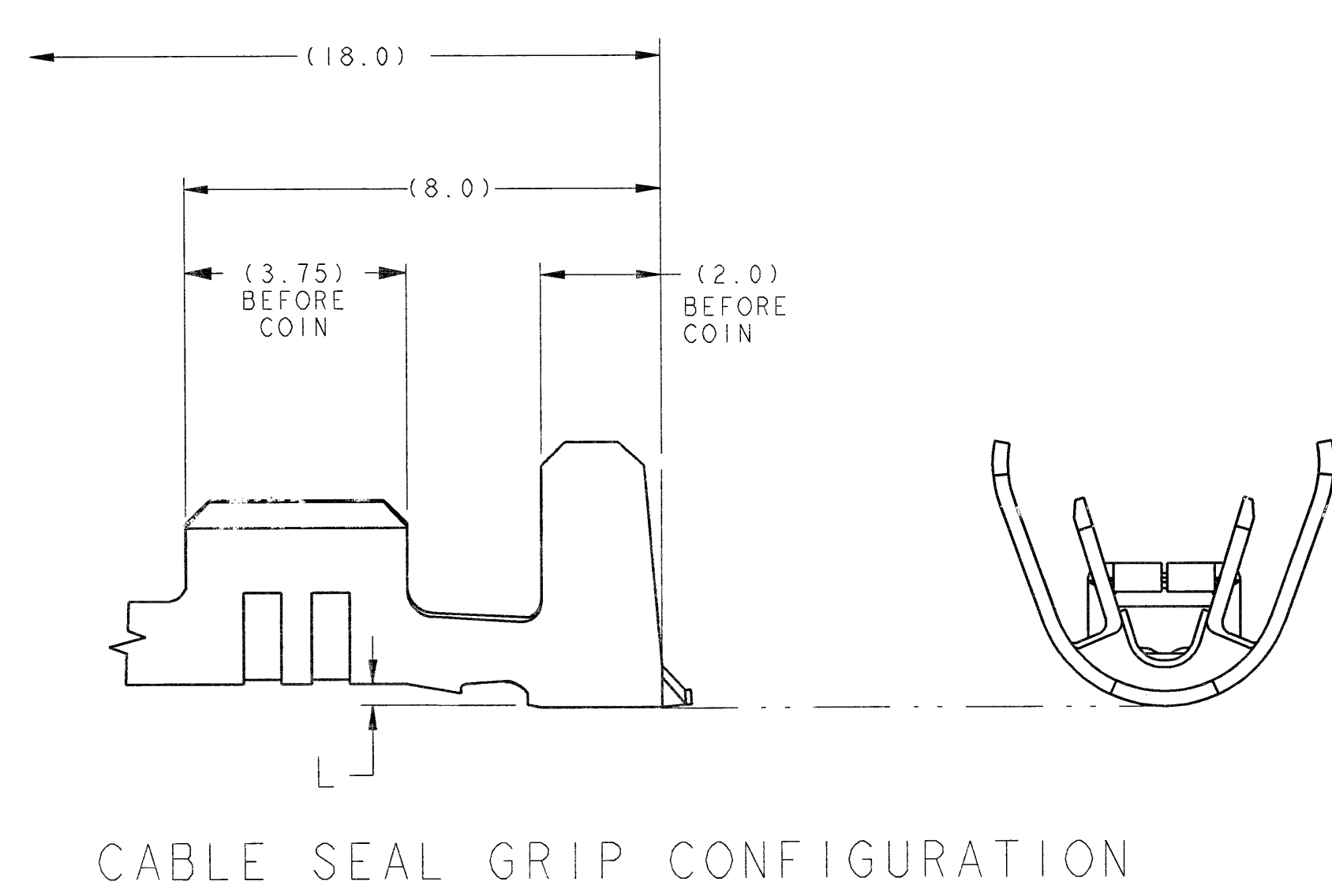
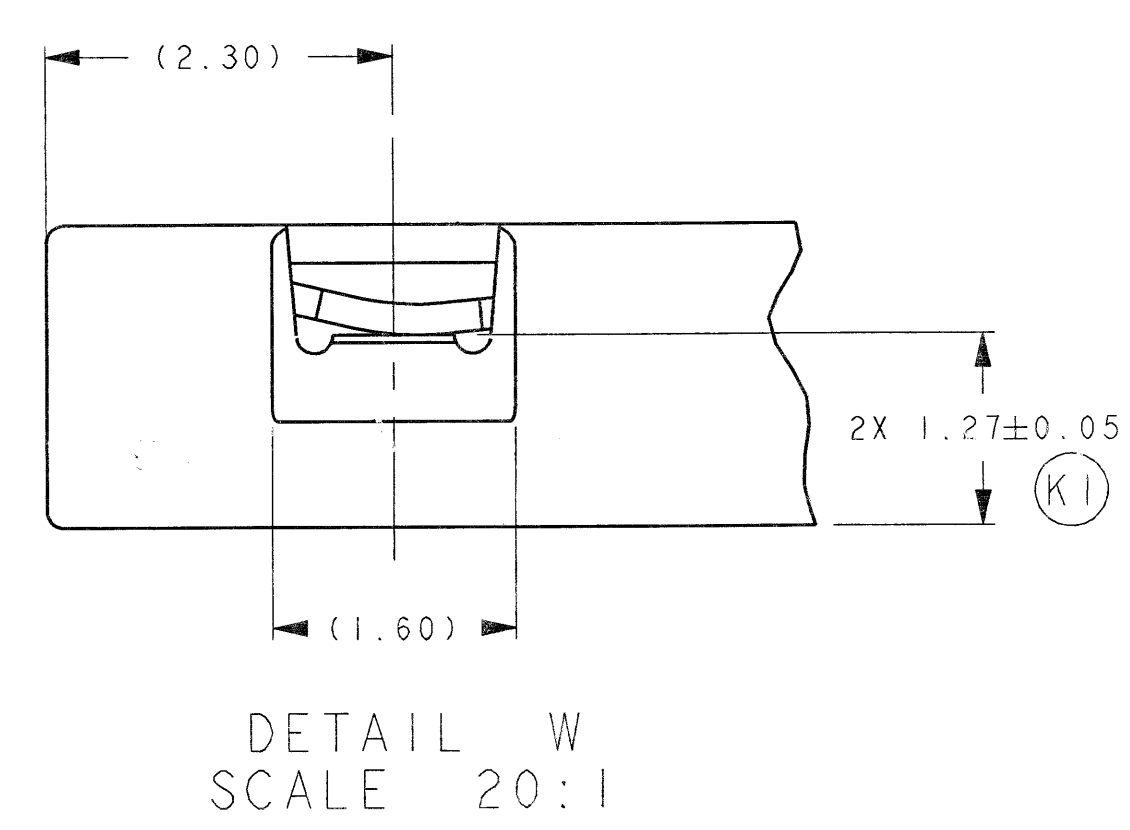
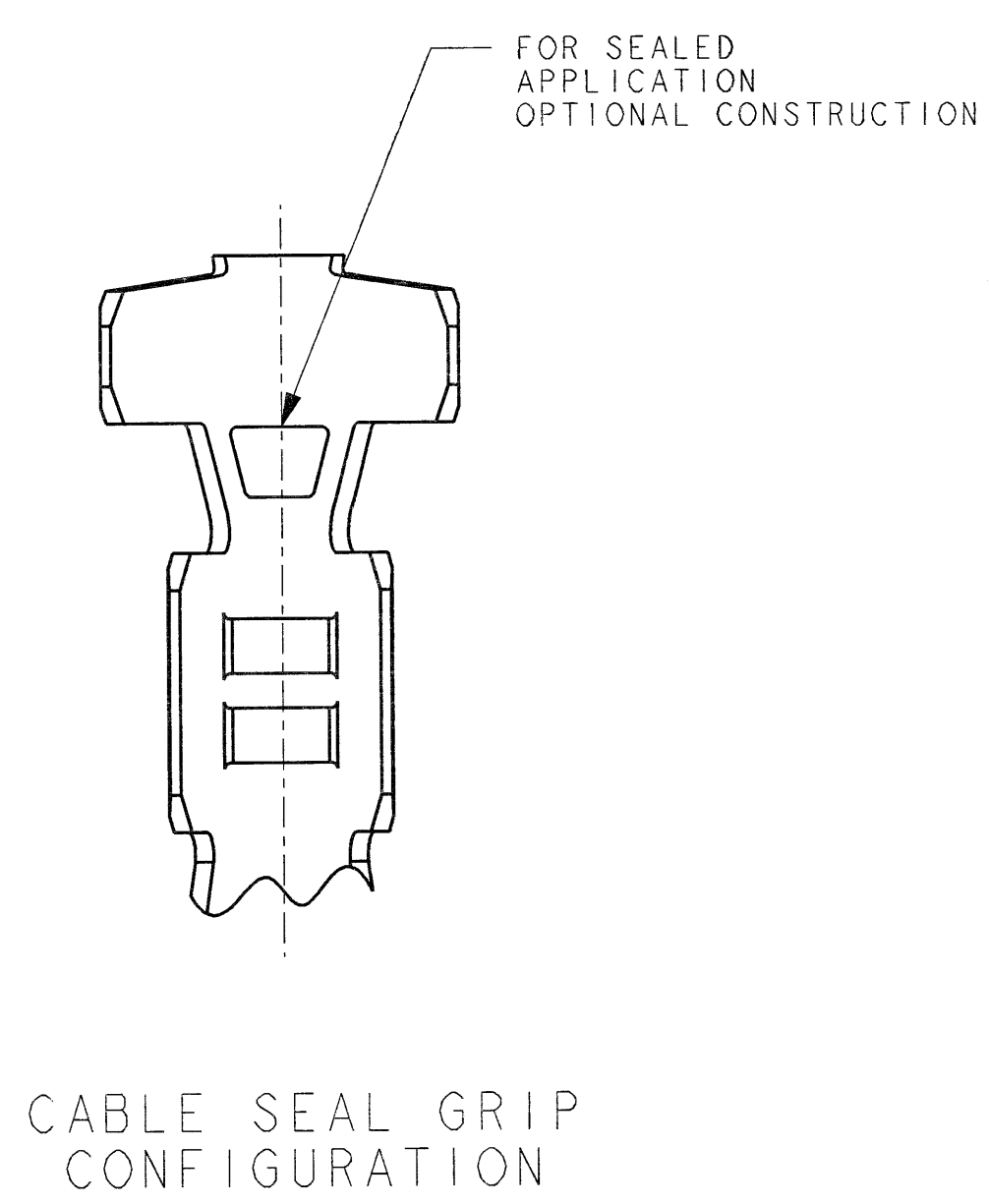
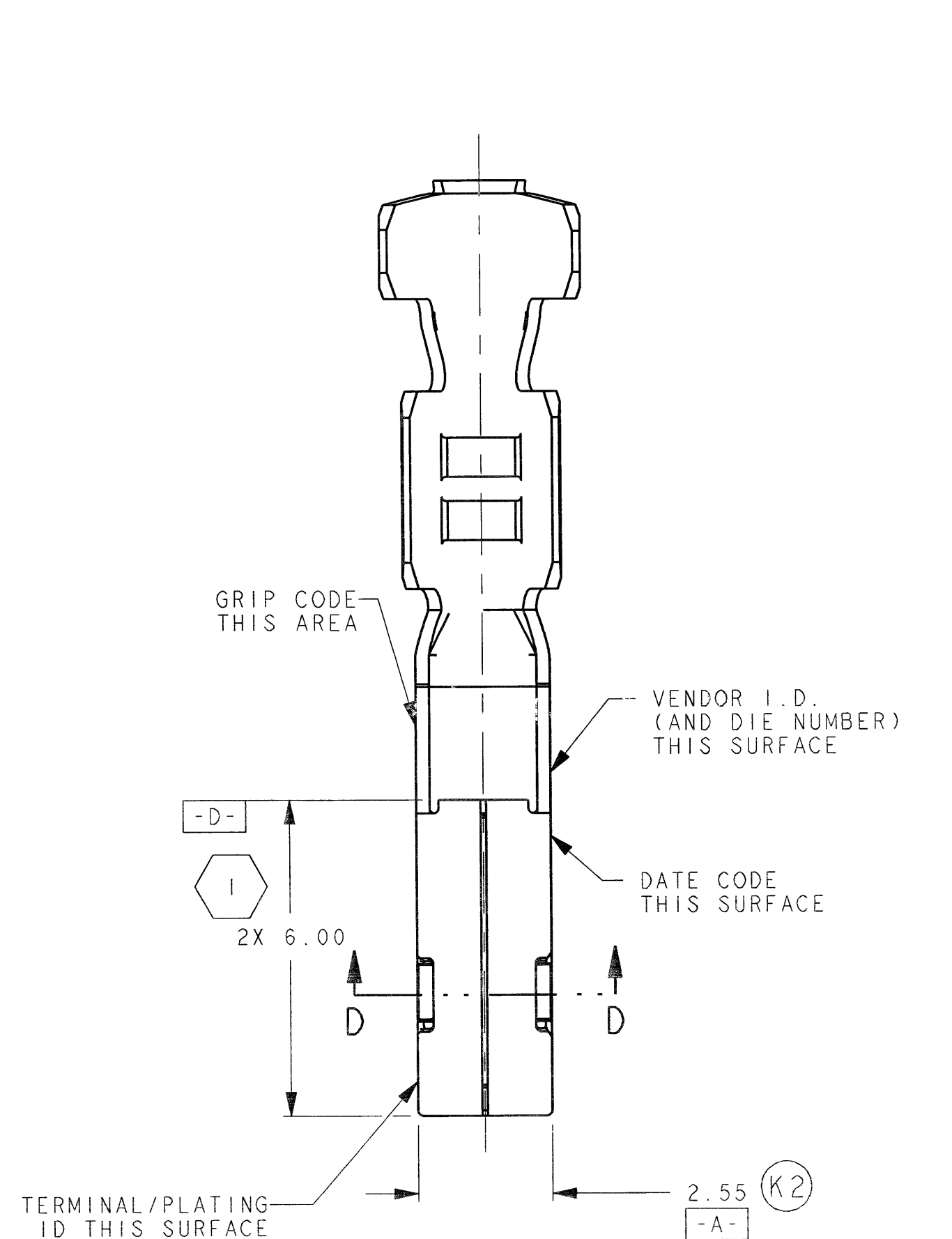
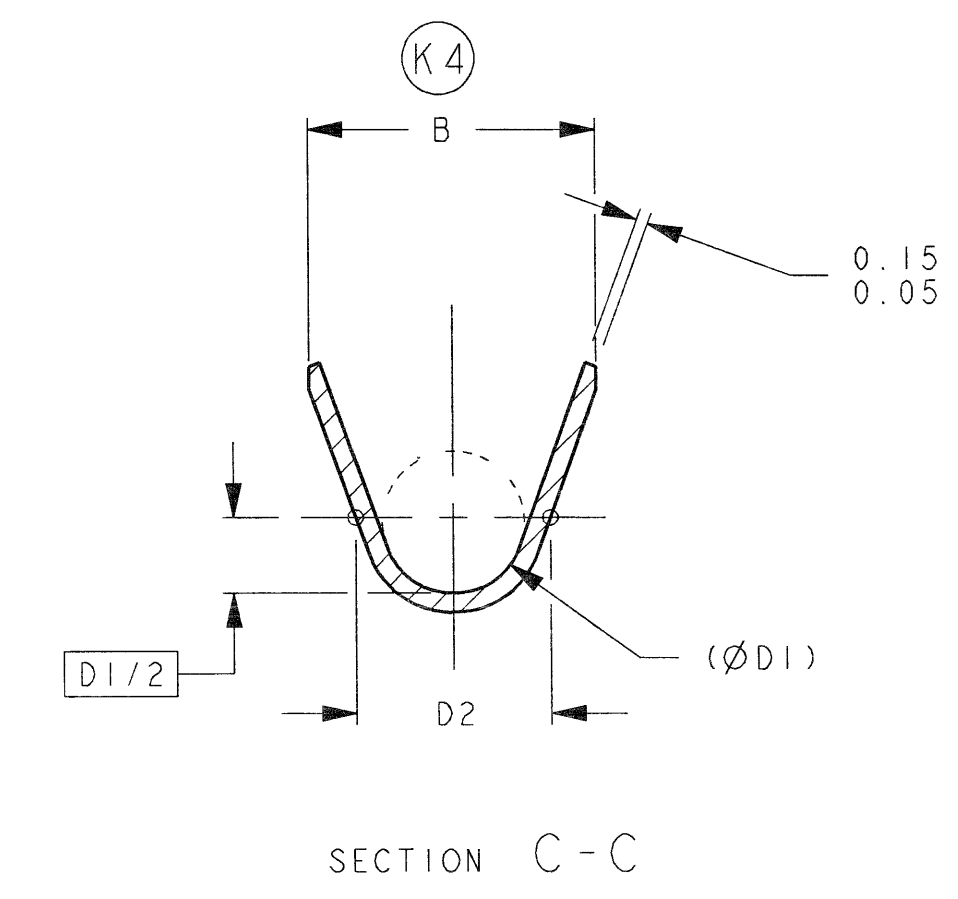
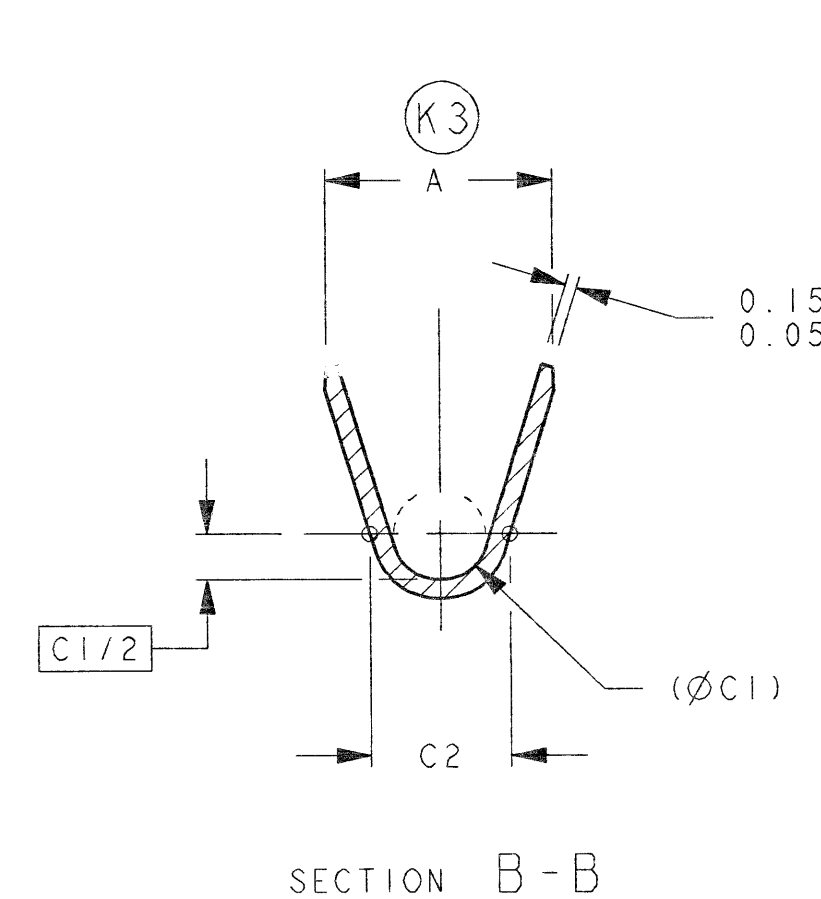
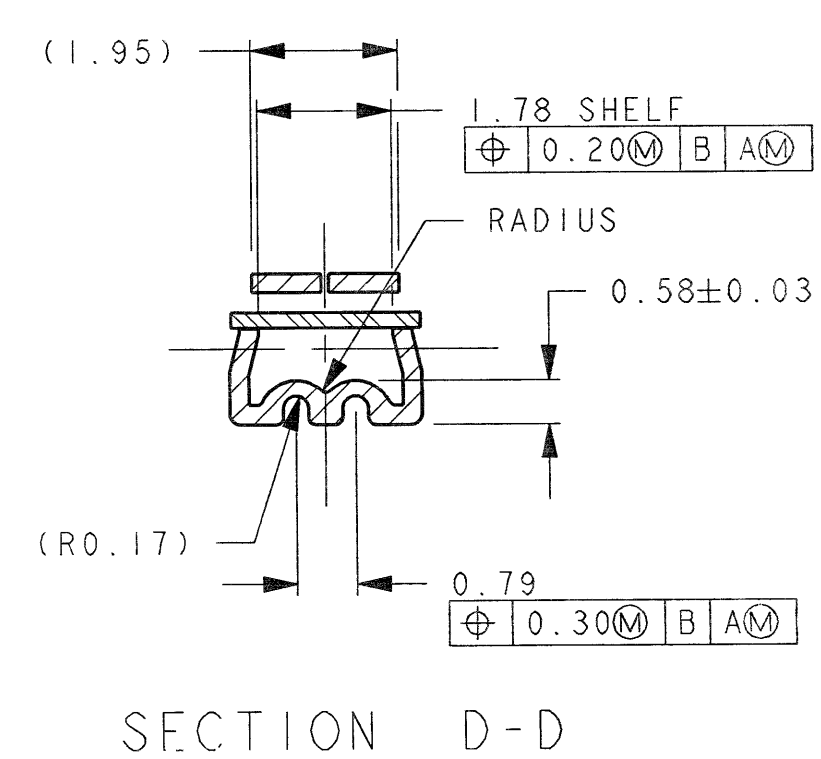
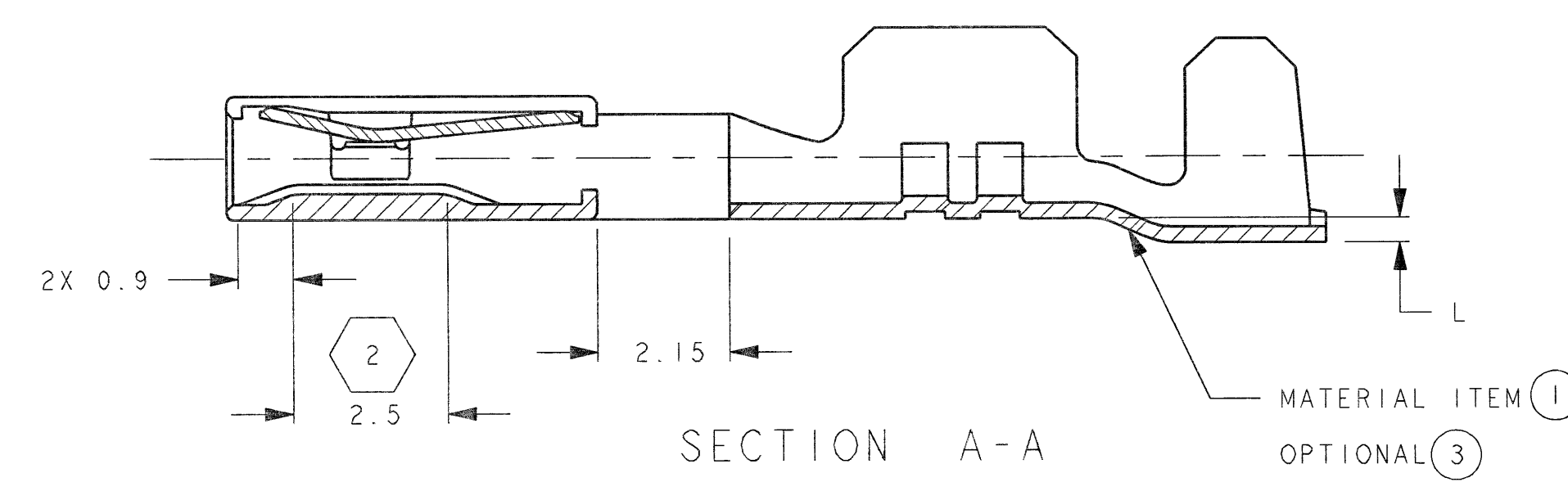
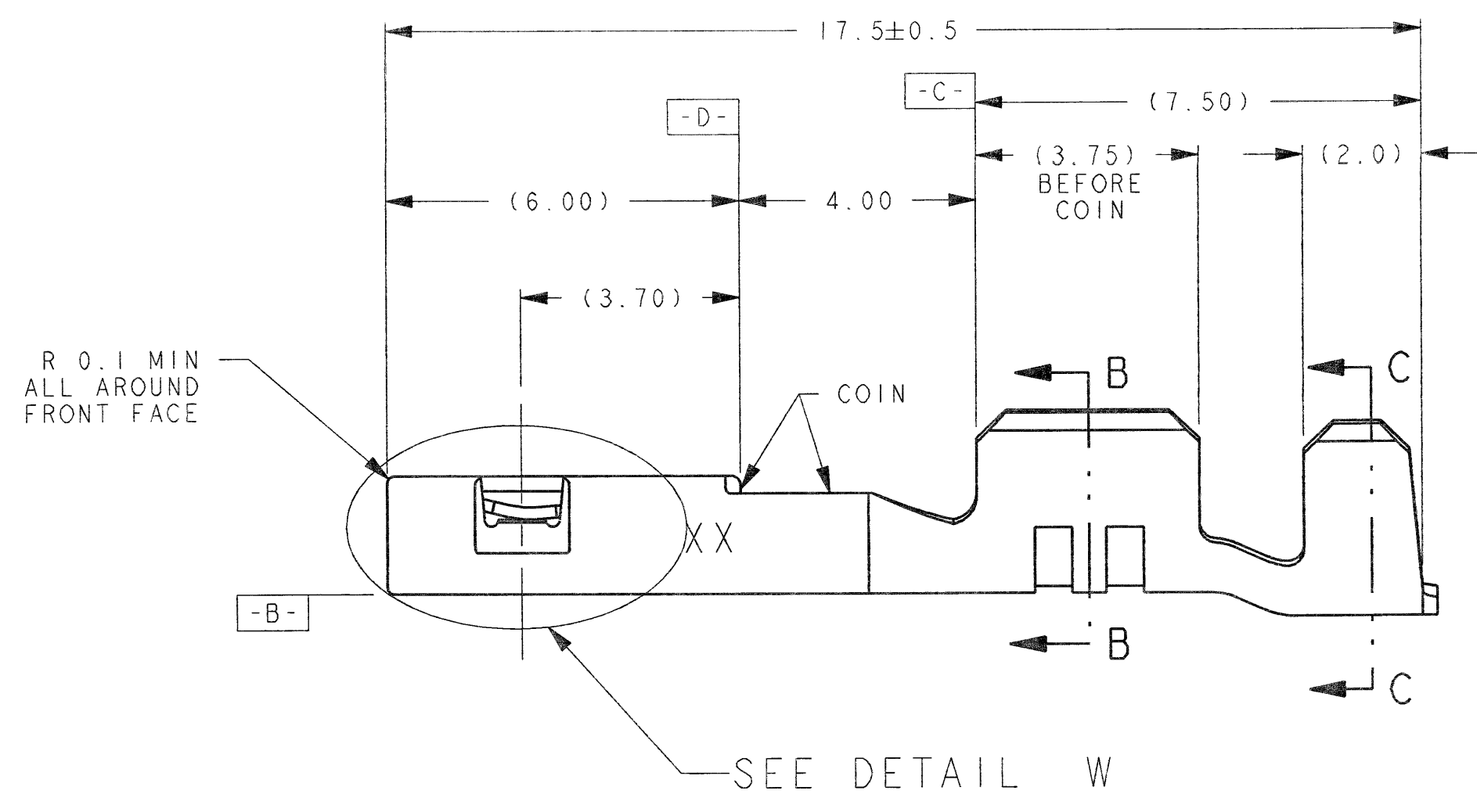
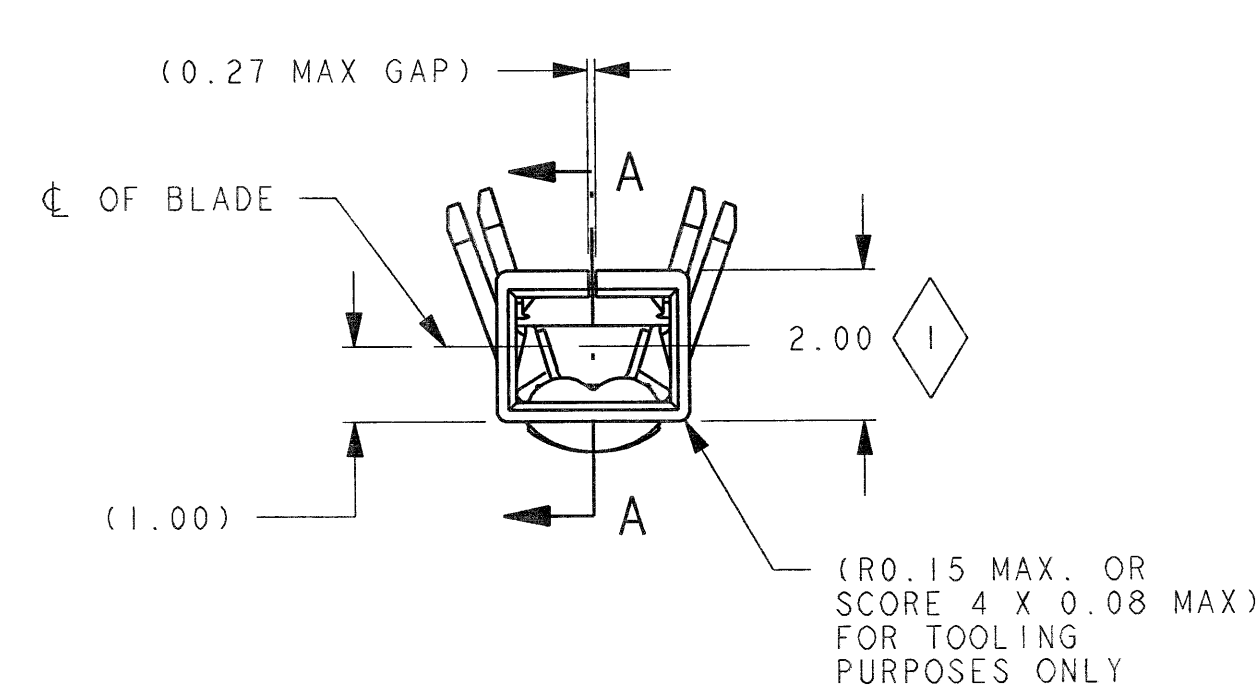




SCALE 4:1
FOR REFERENCE ONLY



GENERAL NOTES:
QUALITY ASSURANCE REQUIREMENTS
SPC DATA REQUIRED
INDICATES IN-PROCESS INSPECTION
FOR MANUFACTURING DIMENSION(S) OR
SPECIFICATION(S)

MATERIAL TYPE 1
TERMINAL: 0.254 ± 0.008 C19210
100% ELECTRO MATTE TIN PLATED
0.00127/0.00254 THICK
TENSILE STRENGTH: (60-70 KSI)
YIELD STRENGTH: 60 KSI MIN.
ELONGATION IN 5mm: 2X MIN.
FOR PRECIOUS PLATINGS SAME AS TYPE 1
EXCEPT BARE

MATERIAL TYPE 2
SPRING: 0.203 ± 0.008 C17200
100% ELECTRO MATTE TIN PLATED
0.00127/0.00254 THICK
TENSILE STRENGTH: (135-175 KSI)
YIELD STRENGTH: (135-170 KSI)
ELONGATION IN 5mm: 4-15%

MATERIAL TYPE 3
TERMINAL: 0.254 ± 0.008 C19400
100% ELECTRO MATTE TIN PLATED
0.00127/0.00254 THICK
TENSILE STRENGTH: (60-70 KSI)
YIELD STRENGTH: (60 KSI MIN.)
ELONGATION IN 5mm: 6X MIN.

APEX 1.5mm TERMINAL IS SYMMETRICAL
ABOUT CENTERLINE AND CAN BE INSERTED 180°

2	2.5±0.3	2.7±0.3
1	6.00±0.10	6.00±0.20/-0.10
1	ORIGINAL DIMENSION	ALLOWANCE DIMENSION
ALLOWANCE CHART		

CHARTED CABLE SEALS				
T.B.D.	T.B.D.	T.B.D.	T.B.D.	T.B.D.
18,20	—	A-0131 -OSR	—	MS-8288,MS-9502
WIRE SIZE	YAZAKI P/N	SEAL SUPPLIER P/N	FORD P/N WIRE SPECS	CHRYSLER P/N WIRE SPEC

(K5)	54002214	54002226	22,24	22	YES	NO	2.6	4.3	0.8	1.37	2.6	3.25	0.75
	54001826	54001837	18,20	18	YES	NO	3.0	4.7	1.2	1.81	3.0	3.6	0.85
	54001417	54001428	14,16	14	YES	NO	3.8	5.7	1.4	2.03	3.6	4.32	1.05
	54002215	54002220	22,24	22	NO	YES	2.6	3.0	0.8	1.37	1.4	2.03	0.40
	54001823	54001831	18,20	18	NO	YES	3.0	3.8	1.2	1.81	1.8	2.36	0.40
	54001414	54001422	14,16	14	NO	YES	3.8	4.7	1.4	2.03	2.5	2.92	0.40
ID STAMP	Z	Y	GS	WIRE GAGE	GRIP CODE	CABLE SEAL UNSEALED/END SEAL	A	B	(ØC1)	C2	(ØD1)	D2	L
PLATING TYPE	ELECTRO TIN	GOLD STRIPE	GOLD SPOT			GRIP TYPE	CRIMP DIMENSIONS						
	PART NUMBERS												

10428	ALL DELETED P/N'S FOR GOLD OPTION 1 & 2 H21 DIMENSION NO. 17 CHANGED TO REFERENCE SHEET 2 (UPDATED SPOT GOLD PLATING DETAILS) SHEET 3 (UPDATED CRIMP SPECIFICATIONS & CHART) SHEET 4 (UPDATED DIRECT CONNECT BLADE DIMENSIONS PER USCAR ENCAP001)	REWORK IN PRO/E ON NEW FCI TITLE BLOCK, SEE REV 'B1' FOR PREVIOUS CHANGES
DESIGNER: J. LAURIN	DATE: 01-06-04	PROJECT: CHARTED - 1.50mm APEX FEMALE TERMINAL
APPROVED: J. LAURIN	DATE: 01-06-04	PROJECT: CHARTED - 1.50mm APEX FEMALE TERMINAL
FILE NAME: C18001-1.5.CUST	DATE: 01-06-04	PROJECT: CHARTED - 1.50mm APEX FEMALE TERMINAL
DESIGNER: J. LAURIN	DATE: 01-06-04	PROJECT: CHARTED - 1.50mm APEX FEMALE TERMINAL
APPROVED: J. LAURIN	DATE: 01-06-04	PROJECT: CHARTED - 1.50mm APEX FEMALE TERMINAL
FILE NAME: C18001-1.5.CUST	DATE: 01-06-04	PROJECT: CHARTED - 1.50mm APEX FEMALE TERMINAL

SEE FCI PRODUCT EVALUATION LAB •APEX TERMINAL CRIMP GUIDELINES
FOR CRIMP INFORMATION. THESE GUIDELINES MUST BE FOLLOWED.
NOT CRIMPING TO THESE GUIDELINES MAY RESULT IN ELECTRICAL OR
MECHANICAL FAILURES.
CRIMP TOLERANCES FOR BOTH CONDUCTOR AND INSULATION CRIMPS
TO BE AS FOLLOWS:

CW CRIMP WIDTH ± 0.10
CH CRIMP HEIGHT ± 0.05

CW CRIMP WIDTH ± 0.10
CH CRIMP HEIGHT ± 0.05

CRIMP SPECIFICATIONS



PACKAGING:
PANCAKE REELS WITH
PAPER INTERLEAF

WIND UP INFORMATION
FOR FINISHED 1.50mm TERMINALS
VIEWS NOT TO SCALE



NOTES:

THIS VIEW FOR INCOMING INSPECTION
PURPOSES. PARTS TO BE CHECKED FOR SELECTIVE
PLATING LOCATION & THICKNESS PER PLATING
CERTIFICATIONS BEFORE FINAL FORMING OPERATION

PARTS MUST BE USED WITH NICKEL PLATED SPRING
DURING FINAL FORMING.

SPRING PLATING REQUIREMENTS NOTED IN THE
SECTION BELOW

PLATING NOTE: GOLD PLATE NOT TO TOUCH TIN PLATING
BODY MATERIAL: TYPE 3 BARE

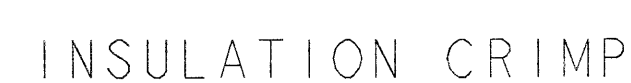
1.50mm REFERENCE DIMENSIONS SHOWN ABOVE ARE FOR PLATING PURPOSES ONLY - TO BE VERIFIED BY THE PLATING SUPPLIER ON THE CERTIFICATION



(BOTH SIDES)
PLATING MATERIAL TO BE
SULFAMATE DUCTILE NICKEL
PLATED 0.00127-0.0025mm
THICK PER ATSM B689
TYPE 2

MATERIAL TYPE 2
 (SEE SHEET 1 FOR DETAILS)
 EXCEPTION ALLOY TO BE
 NICKEL PLATED PER
 NOTE ABOVE

SPRING PLATING REQUIREMENT FOR GOLD TERMINAL OPTION

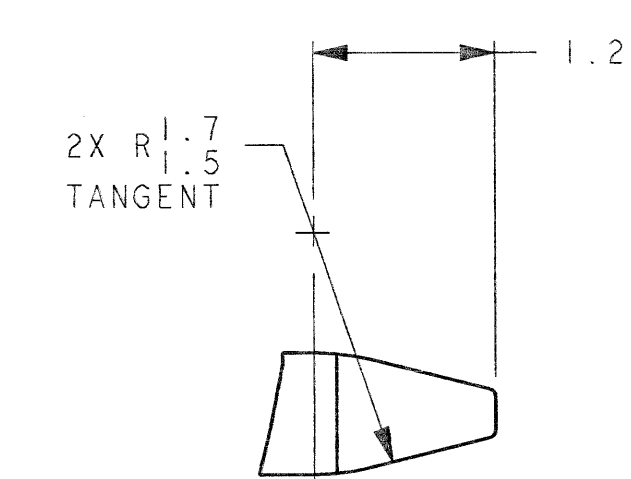
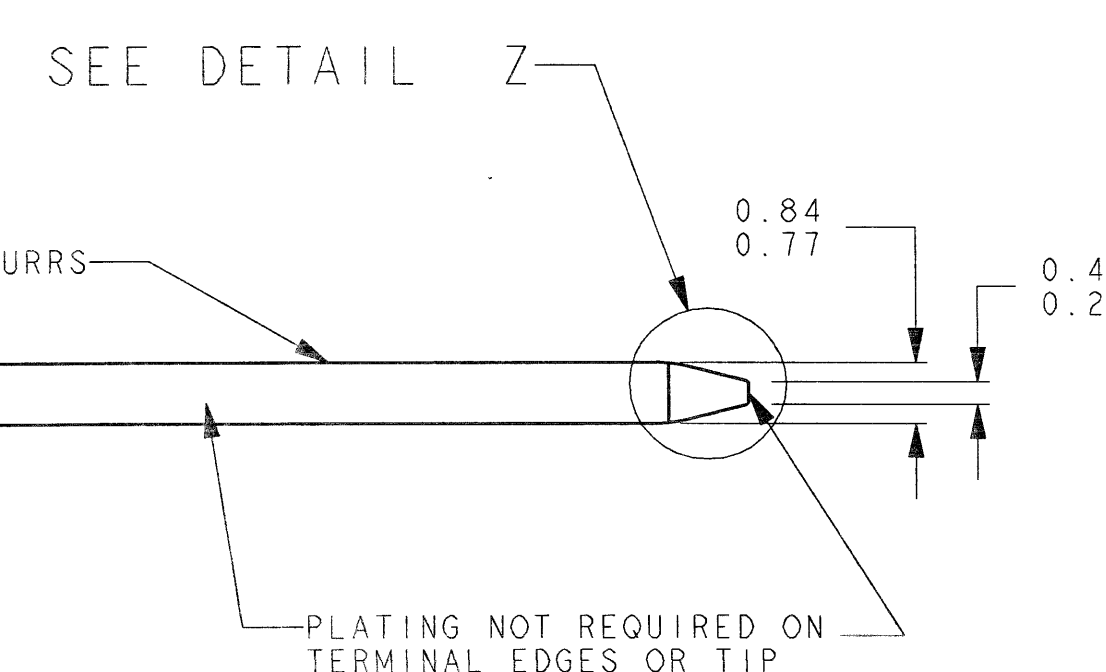


UNSEALED GRIPS



CABLE SEAL GRIPS

FOR REFERENCE ONLY - RECOMMENDED CRIMP TOOLING CONFIGURATION - VIEWS SHOWN REPRESENT 18AWG



DETAIL Z
SCALE 20:1

RECOMMENDED
DIRECT CONNECT
"1.50" MATING BLADE
CONFIGURATION

MATERIAL COPPER ALLOY 50% MIN. I.A.C.S.

FOR REFERENCE ONLY

[illegible]