TABLE A-K3.1 (Cont'd)
Fatigue Design Parameters

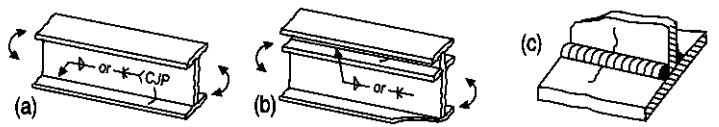
Description	Stress Category	Constant C_f	Threshold F_{TH} ksi (MPa)	Potential Crack Initiation Point
SECTION 3 – WELDED JOINTS JOINING COMPONENTS OF BUILT-UP MEMBERS				
ase metal and weld metal in ers without attachments built-up es or shapes connected by uous longitudinal complete-joint- ation groove welds, back gouged elded from second side, or by uous fillet welds.	B	120×10^8	16 (110)	From surface or internal discontinuities in weld away from end of weld
ase metal and weld metal in ers without attachments built-up es or shapes, connected by uous longitudinal complete ation groove welds with backing ot removed, or by continuous -joint-penetration groove welds.	B′	61×10^8	12 (83)	From surface or internal discontinuities in weld, including weld attaching backing bars
ase metal and weld metal ation of longitudinal welds at weld holes in connected built-up ers.	D	22×10^8	7 (48)	From the weld termination into the web or flange
ase metal at ends of longitudinal ttent fillet weld segments.	E	11×10^8	4.5 (31)	In connected material at start and stop locations of any weld deposit
ase metal at ends of partial length coverplates narrower than the having square or tapered ends, without welds across the ends of lates wider than the flange with across the ends.				In flange at toe of end weld or in flange at termination of longitudinal weld or in edge of flange with wide coverplates
thickness ≤ 0.8 in. (20 mm)	E	11×10^8	4.5 (31)	
thickness > 0.8 in. (20 mm)	E′	3.9×10^8	2.6 (18)	
se metal at ends of partial length coverplates wider than the without welds across the ends.	E′	3.9×10^8	2.6 (18)	In edge of flange at end of coverplate weld
SECTION 4 – LONGITUDINAL FILLET WELDED END CONNECTIONS				
e metal at junction of axially members with longitudinally end connections. Welds shall be side of the axis of the member ice weld stresses.				Initiating from end of any weld termination extending into the base metal
(13 mm)	E	11×10^8	4.5 (31)	
(13 mm)	E′	3.9×10^8	2.6 (18)	

TABLE A-K3.1 (Cont'd)
Fatigue Design Parameters

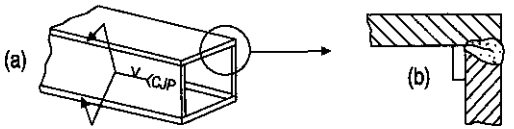
Illustrative Typical Examples

SECTION 3 - WELDED JOINTS JOINING COMPONENTS OF BUILT-UP MEMBERS

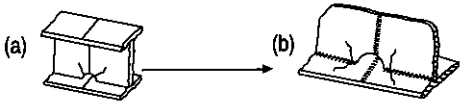
3.1



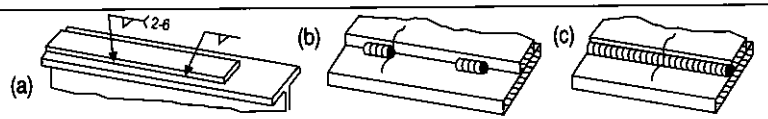
3.2



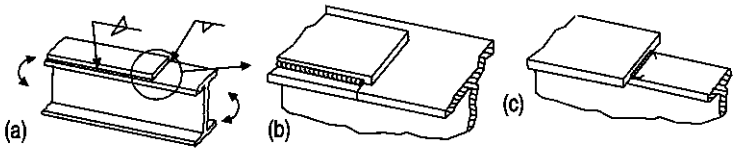
3.3



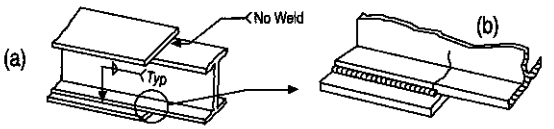
3.4



3.5



3.6



SECTION 4 - LONGITUDINAL FILLET WELDED END CONNECTIONS

4.1