

**STANDARD PRACTICE**  
(Continuation Sheet)

No. 1400.100.16

Title FOUNDATION PRACTICES MANUAL

ORIG DEPT ENG. \_\_\_\_\_ ISSUE DATE 30-09-85 APPROVED B.L.W. SHEET 106 OF \_\_\_\_\_

REVISION # 1 DATE OF REVISION 05-06-86 APPROVED B.L.W.

CASE	K	ELEVATION	TYPICAL PLAN VIEW	DEFLECTION & STIFFNESS & MOMENT VARIATIONS	REMARKS
1	K = .75			<p>HEEL BOLT</p> <p>BRKT.</p> <p><math>K = 1.5</math> <math>M_H = PL</math> <math>M_B = 0</math></p> <p>EDGE</p> <p><math>K = .5</math> <math>M_H = PL</math> <math>M_B = 0</math></p>	<p>1. MINIMAL ROTATIONAL CONSTRAINT AT HEEL</p> <p>2. NO ROTATIONAL CONSTRAINT AT BOLT</p> <p>3. RELATIVE STIFFNESS OF HEEL TO BOLT DRIVES MOMENT DIAGRAM</p>
2	K = 1.0			<p>HEEL BOLT</p> <p>BRKT. WITH BACK-UP</p> <p><math>K = 2.0</math> <math>M_H = PL</math> <math>M_B = 0</math></p> <p>EDGE</p> <p><math>K = .75</math> <math>M_H = PL</math> <math>M_B = 0</math></p>	<p>1. BACK UP ANGLE PROVIDES ROTATIONAL CONSTRAINT AT HEEL</p> <p>2. NO ROTATIONAL CONSTRAINT AT BOLT</p>
3	K = 1.5			<p>HEEL BOLT</p> <p>BRKT.</p> <p><math>K = 2.5</math> <math>M_H = .9PL</math> <math>M_B = .1PL</math></p> <p>EDGE</p> <p><math>K = 1.0</math> <math>M_H = .9PL</math> <math>M_B = .1PL</math></p>	<p>1. BACK UP ANGLE PROVIDES ROTATIONAL CONSTRAINT AT HEEL</p> <p>2. SMALL PAD PROVIDES SOME ROTATIONAL CONSTRAINT AT BOLT - PARTIAL CLAMPING</p>
4	K = 2.0			<p>HEEL BOLT</p> <p>BRKT.</p> <p><math>K = 4.0</math> <math>M_H = .5PL</math> <math>M_B = .5PL</math></p> <p>EDGE</p> <p><math>K = 1.5</math> <math>M_H = .2PL</math> <math>M_B = .8PL</math></p>	<p>1. MINIMAL ROTATIONAL CONSTRAINT AT HEEL</p> <p>2. ROTATIONAL CONSTRAINT AT BOLT - CLAMPED</p>

STANDARD PRACTICE  
(Continuation Sheet)

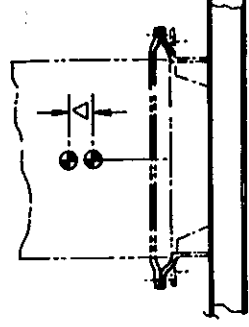
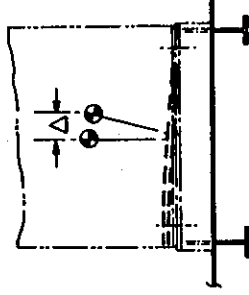
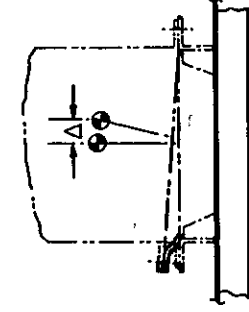
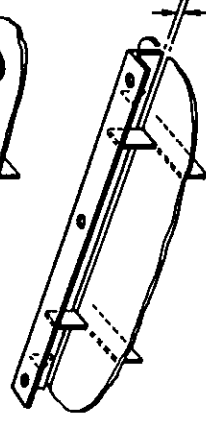
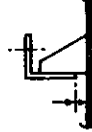
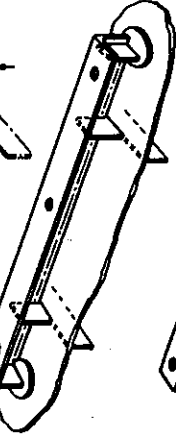
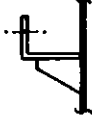
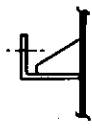
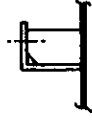
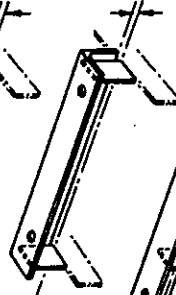
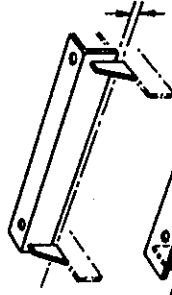
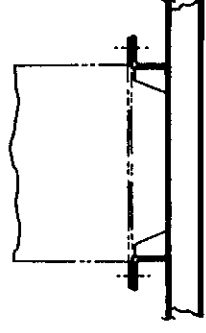
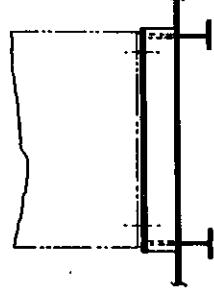
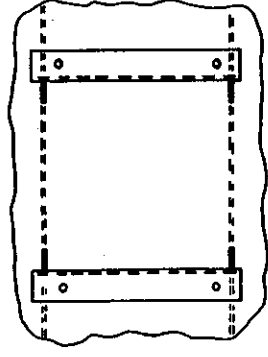
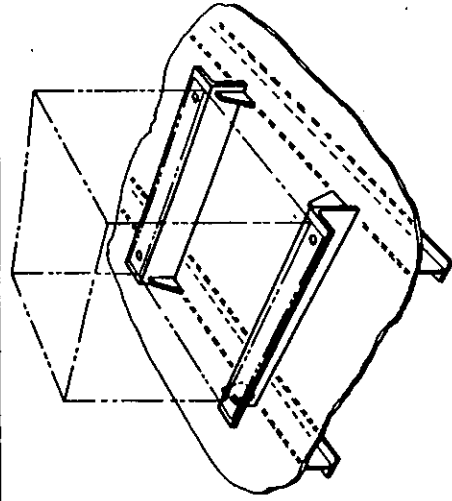
No. 1400.100.16

Title FOUNDATION PRACTICES MANUAL

ORIG DEPT ENG. ISSUE DATE 30-09-85 APPROVED B.L.W. SHEET 107 OF

REVISION # 1 DATE OF REVISION 05-06-86. APPROVED B.L.W.

CASE	K	ELEVATION	TYPICAL PLAN VIEW	DEFLECTION & MOMENT DIAGRAM	STIFFNESS & MOMENT VARIATIONS	REMARKS
5	K = 3.0	EQUIPT. CLAMPED			BRKT. $K = 4.0$ $M_H = 5PL$ $M_B = 5PL$ EDGE $K = 2.0$ $M_H = 1/3 PL$ $M_B = 2/3 PL$	1. PARTIAL CLAMPING AT HEEL 2. ROTATIONAL CONSTRAINT AT BOLT-CLAMPED
6	K = 4.0	EQUIPT. CLAMPED			BRKT. $K = 4.0$ $M_H = 5PL$ $M_B = 5PL$ EDGE $K = 3.0$ $M_H = 5PL$ $M_B = 5PL$	1. ROTATIONAL CONSTRAINT AT HEEL-CLAMPED 2. ROTATIONAL CONSTRAINT AT BOLT-CLAMPED
7	K = 4.0 (PER BOLT)	EQUIPT. CLAMPED			BRKT. $K = 4.0$ $M_H = 5PL$ $M_B = 5PL$ EDGE $K = 3.0$ $M_H = 5PL$ $M_B = 5PL$	1. ROTATIONAL CONSTRAINT AT WEB-CLAMPED 2. ROTATIONAL CONSTRAINT AT BOLT-CLAMPED
8	K = 4.0	EQUIPT. CLAMPED			EDGE $K = 3.5$ $M_H = 5PL$ $M_B = 5PL$	1. ROTATIONAL CONSTRAINT AT HEEL-CLAMPED 2. ROTATIONAL CONSTRAINT AT BOLT-CLAMPED



1-FLANGE BENDING

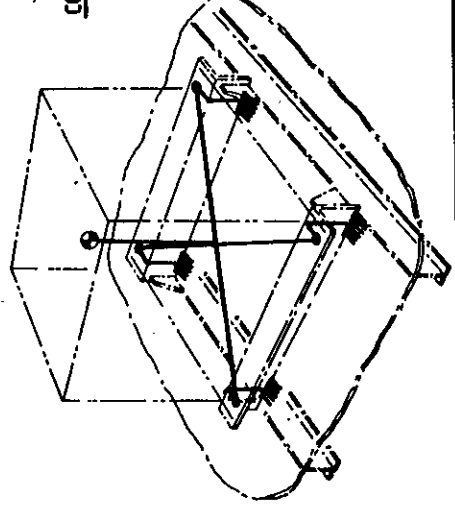
1-FLANGE BENDING

1-FLANGE BENDING

LONGITUDINAL

TRANSVERSE

VERTICAL



COMPUTER MODEL