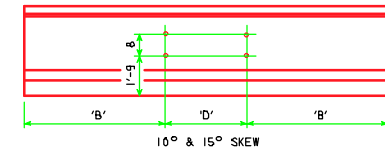
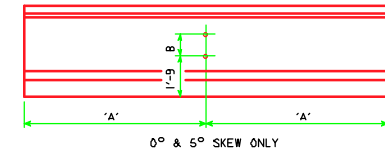
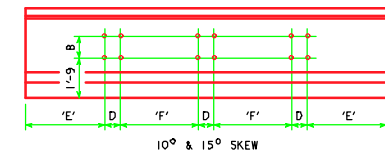
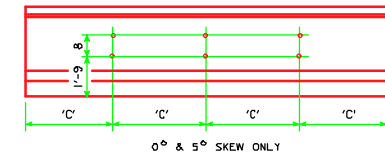


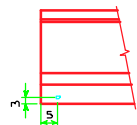
TABLE OF DIMENSIONS FOR INTERMEDIATE DIAPHRAGM HOLES															
NO. OF DIAPHR.	ONE DIAPHRAGM PER SPAN									THREE DIAPHRAGMS PER SPAN					
BEAM SERIES	BTD110			BTD115			BTD120			BTD125			BTD130		
SKEW	0°&5°	10°	15°	0°&5°	10°	15°	0°&5°	10°	15°	0°&5°	10°	15°	0°&5°	10°	15°
DIMENSION "A"	55'-8"			58'-2"			60'-8"								
DIMENSION "B"		54'-10 ⁷ / ₁₆ "	54'-5 ¹ / ₈ "		57'-4 ¹ / ₈ "	56'-11 ¹ / ₈ "		59'-10 ⁷ / ₁₆ "	59'-5 ⁷ / ₁₆ "						
DIMENSION "C"										31'-7"			32'-10"		
DIMENSION "D"		1'-7 ¹ / ₈ "	2'-5 ¹ / ₈ "		1'-7 ¹ / ₈ "	2'-5 ¹ / ₈ "		1'-7 ¹ / ₈ "	2'-5 ¹ / ₈ "		1'-7 ¹ / ₈ "	2'-5 ¹ / ₈ "		1'-7 ¹ / ₈ "	2'-5 ¹ / ₈ "
DIMENSION "E"										30'-9 ³ / ₈ "	30'-4 ¹ / ₈ "		32'-0 ³ / ₈ "	31'-7 ¹ / ₈ "	
DIMENSION "F"										29'-11 ⁷ / ₈ "	29'-1 ⁵ / ₈ "		31'-2 ¹ / ₈ "	30'-4 ⁵ / ₈ "	



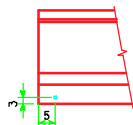
INTERMEDIATE DIAPHRAGM
BOLT HOLE LOCATIONS
BTC110, BTC115, & BTC120 BEAMS



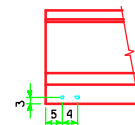
INTERMEDIATE DIAPHRAGM
BOLT HOLE LOCATIONS
BTD125 & BTD130 BEAMS



BEAM COIL TIE LOCATION
@ INTEGRAL ABUTMENT
ALL SKEWS



BEAM COIL TIE
LOCATION @ PIER
0° & 5° SKEW



BEAM COIL TIE
LOCATION @ PIER
10° & 15° SKEW

LATEST REVISION DATE	<i>Mark E. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 40' ROADWAY, 2 SPAN BRIDGES	
		PRETENSIONED PRESTRESSED BULB TEE CONCRETE BEAM BRIDGES	
		ALL SPANS JULY, 2004	
STEEL INTERMEDIATE DIAPHRAGM DETAILS		BT40-SD2-04	