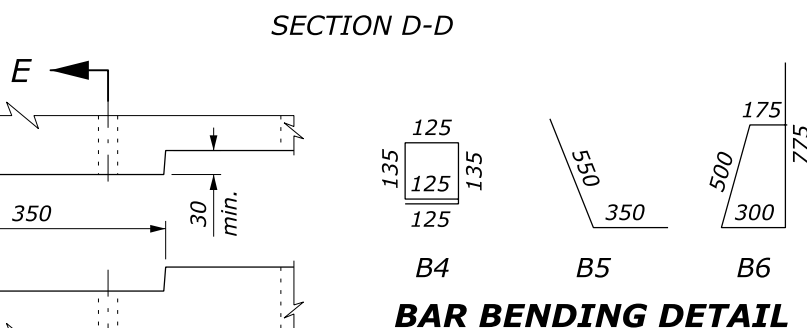
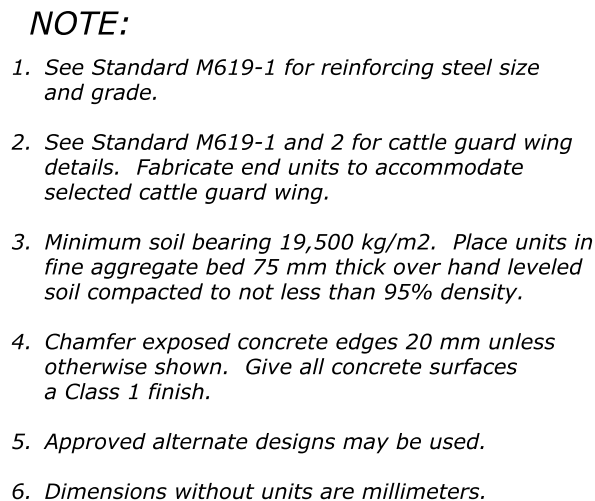
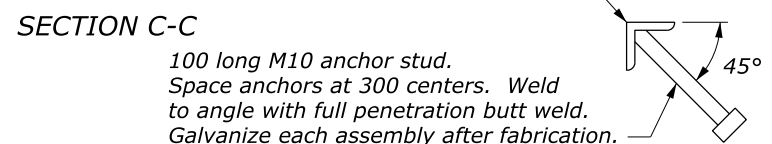
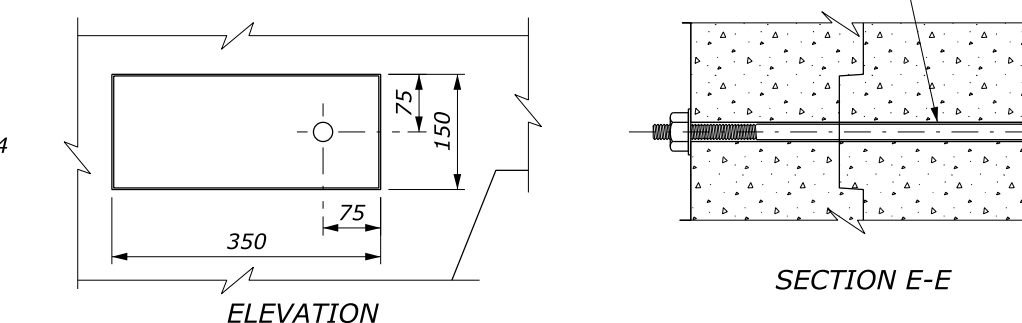
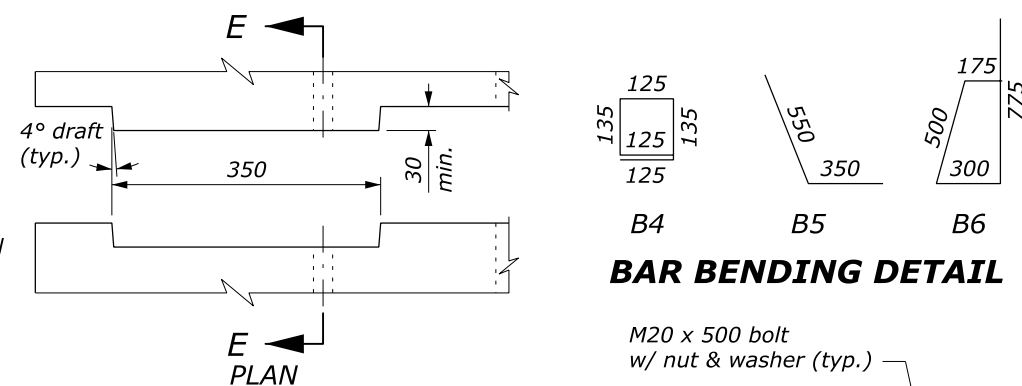




PRECAST CATTLE GUARD					
REINFORCING STEEL AND CONCRETE					
UNIT	No. of BARS	BAR MARK	LENGTH	MASS kg	CONCRETE m³
1.8 m END	7	B3	2100	14.6	1.40
	10	B2	1850	18.4	
	8	B1	425	3.4	
	6	B4	650	3.9	
	18	B6	1750	31.3	
	6	B5	900	5.4	
1.8 m INTERIOR	8	B3	2100	16.7	1.41
	10	B2	1650	16.4	
	12	B4	650	7.8	
	18	B6	1750	31.3	
	8	B5	900	7.2	
2.4 m INTERIOR	8	B3	2100	16.7	1.73
	10	B2	2250	22.4	
	12	B4	650	7.8	
	20	B6	1750	34.8	
	8	B5	900	7.2	
2.4 m END	7	B3	2100	14.6	1.72
	10	B2	2450	24.4	
	8	B1	425	3.4	
	6	B4	650	3.9	
	20	B6	1750	34.8	
	6	B5	900	5.4	



NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
METRIC STANDARD	
CATTLE GUARD PRECAST FOUNDATION	
STANDARD APPROVED FOR USE 3/1996 REVISED: 11/1997 6/2005 DRAFT: 10/2016	STANDARD M619-3