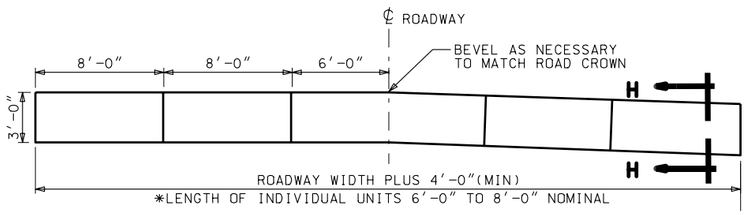
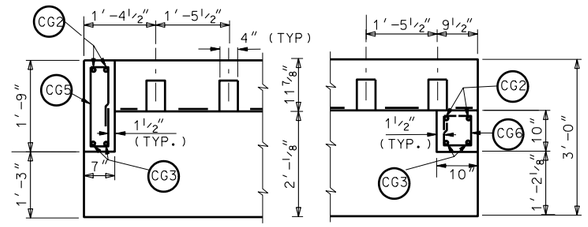
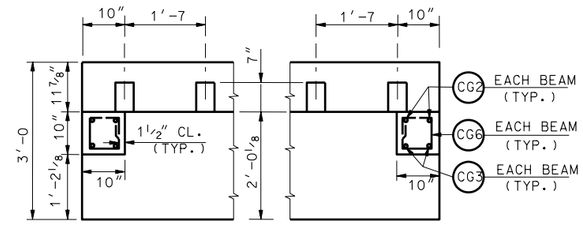
NOTE:
TOP OF THE CATTLE GUARD PARALLEL TO THE HIGWAY PROFILE GRADE.
ROTATE UNITS TO ACCOMPLISH THIS IF REQ'D.



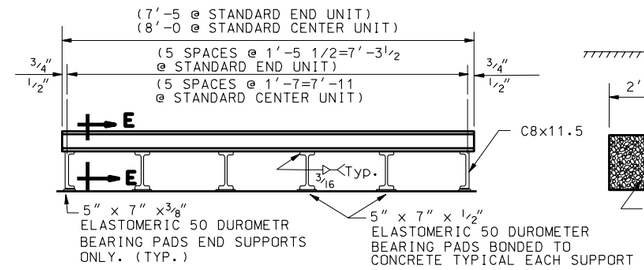
TYPICAL CATTLE GUARD INSTALLATION



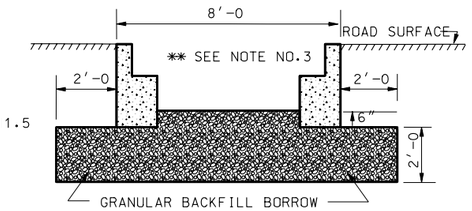
SECTION B-B SECTION C-C



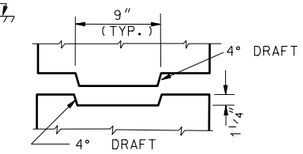
SECTION D-D



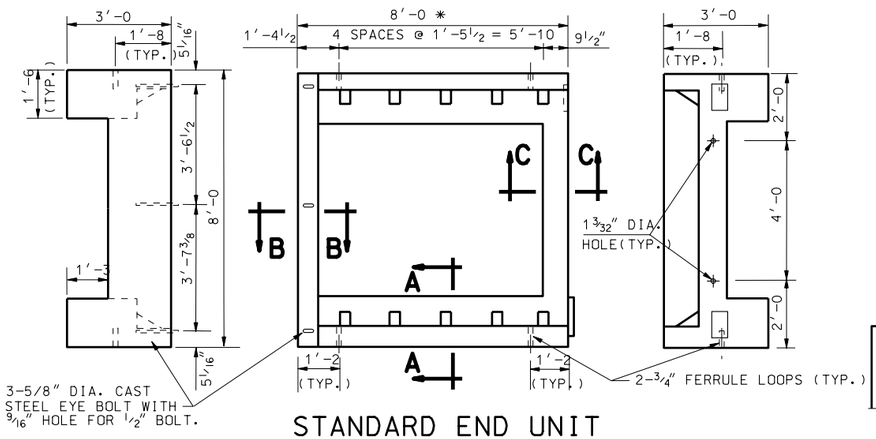
TRAFFIC GRILL UNIT



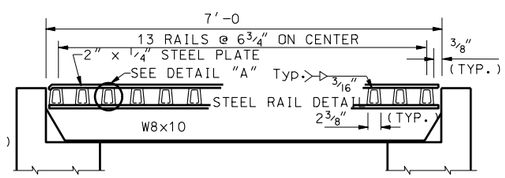
SECTION H-H



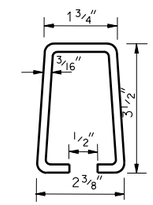
SECTION F-F



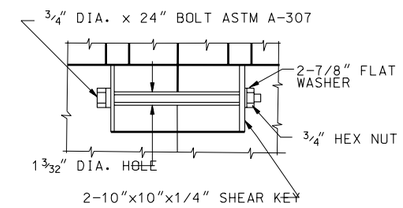
STANDARD END UNIT
(LEFT SIDE SHOWN-RIGHT SIDE SIMILAR)



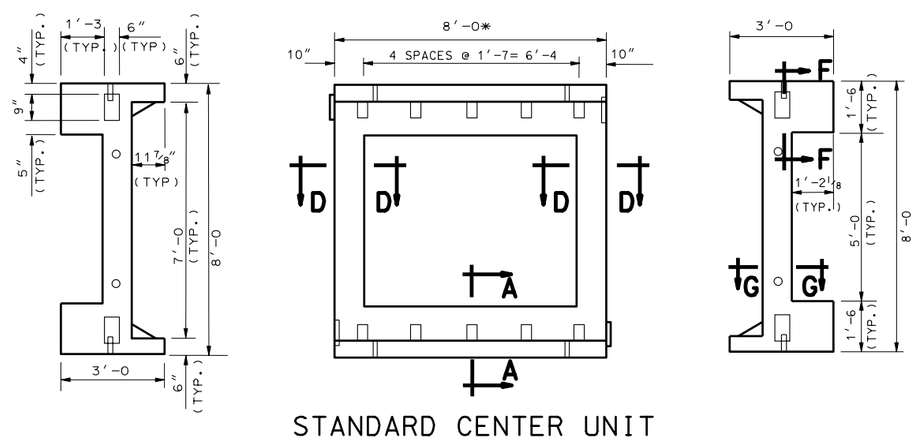
SECTION E-E



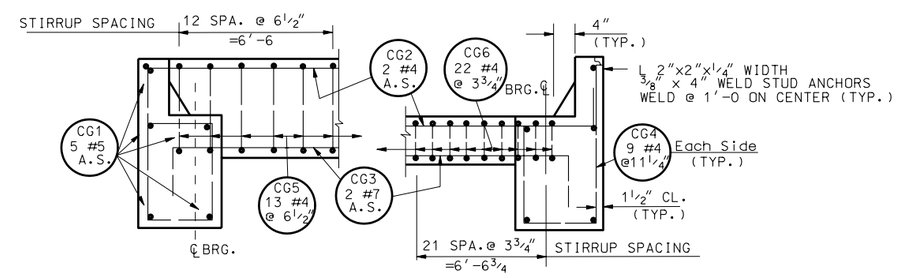
DETAIL "A"



SECTION G-G



STANDARD CENTER UNIT



SECTION A-A

** SEE NOTES ON STD DWG SW 1A

REINFORCING STEEL SCHEDULE

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH		
CG1	CATTLE GUARD	5	10	7'-9	77'-6			
						A	B	
CG2	CATTLE GUARD	4	4	9'-5	37'-8	7'-9	10"	
CG3	CATTLE GUARD	7	4	8'-6	34'-0	6'-10	10"	
CG4	CATTLE GUARD	4	18	7'-0	126'-0	1'-9, 1'-3, 1'-3, 2'-9		

MARK	LOCATION	SIZE NO.	NO. BARS	LENGTH	TOTAL LENGTH	SKETCH
CG5	CATTLE GUARD	4	13	4'-2	54'-2	1'-6, 4", 6", 4", 1'-6
CG6	CATTLE GUARD	4	22	2'-8	58'-8	7", 7", 4", 7"

STRUCT. STEEL PER UNIT

ITEM	NO. REQ'D	SIZE	LENGTH
BEAM	4	W8 x 10	7'-0
CHANNEL	2	C8 x 11.5	7'-0
RAIL/END UNIT	13		7'-6
RAIL/CENTER UNIT	13		8'-0
ANGLE	2	L2 x 2 x ¼	8'-0
STUD ANCHOR	16	⅜ DIA.	4"

REVISIONS

NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — JAN.01,2005 DATE
CHAIRMAN STANDARDS COMMITTEE
APPROVED — JAN.01,2005 DATE
DEPUTY DIRECTOR

STANDARD DRAWING TITLE
PRECAST CONCRETE CATTLE GUARD

STD DWG
SW 1B

DGN File:N:\Std\Standard_Drawings\Imperial\2005\Approved\Structures and Walls (SW)\sw01b.dgn
15-DEC-2004