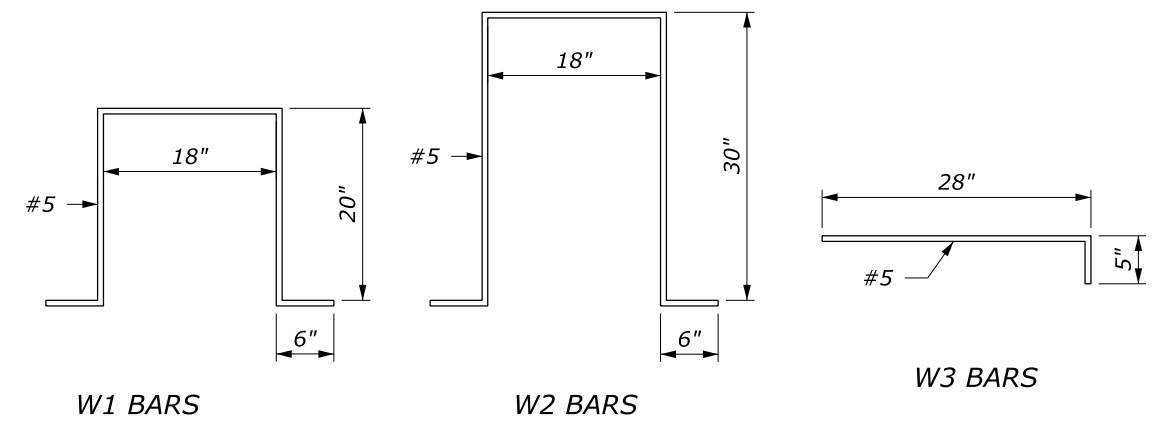


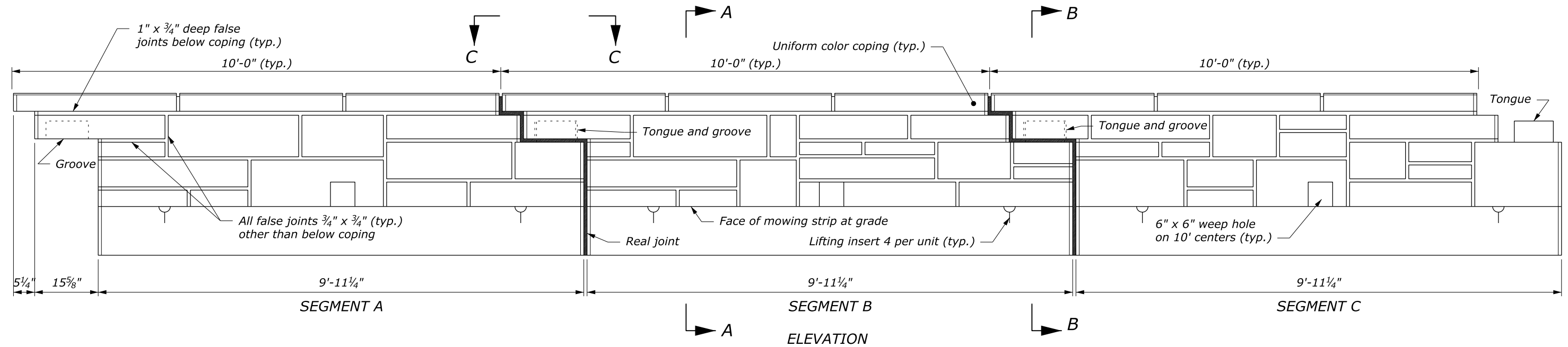
**NOTE:**

- Each unit consists of three segments each of which have a different random masonry pattern as shown. All three segments are to interlock with each other to vary the order.
- Sealant for the real joint covers the perimeter joint of the capstone, sides, and top and sides of the footing.
- Precast the entire wall section; no cast-in-place is allowed.
- Minimum concrete cover 2" unless shown otherwise.

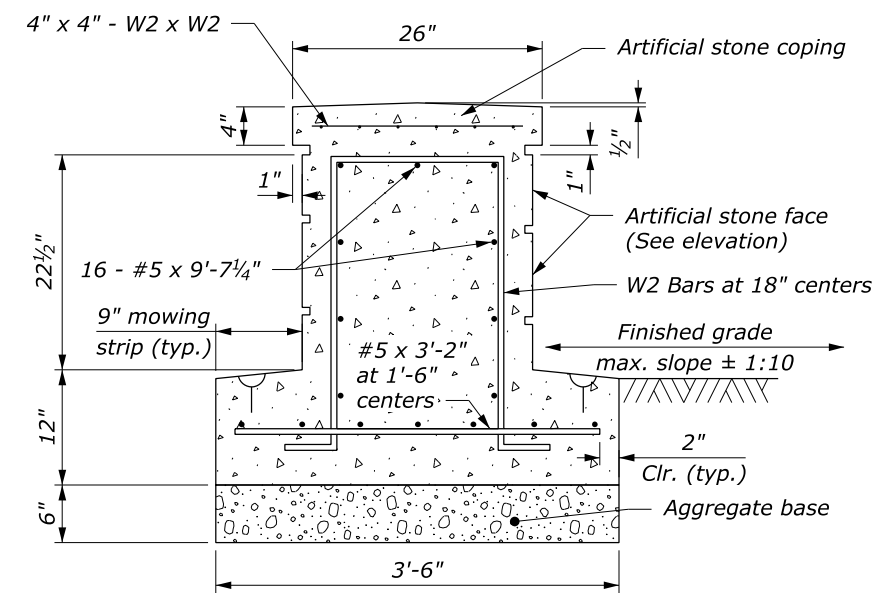
Design Speed (mph)	Shy Line Offset (ft)	Flare Rate (a:b)	
		Inside Shy Line	Outside Shy Line
60	8.0	26:1	14:1
50	6.5	21:1	11:1
40	4.5	16:1	8:1
30 and less	3.5	13:1	7:1



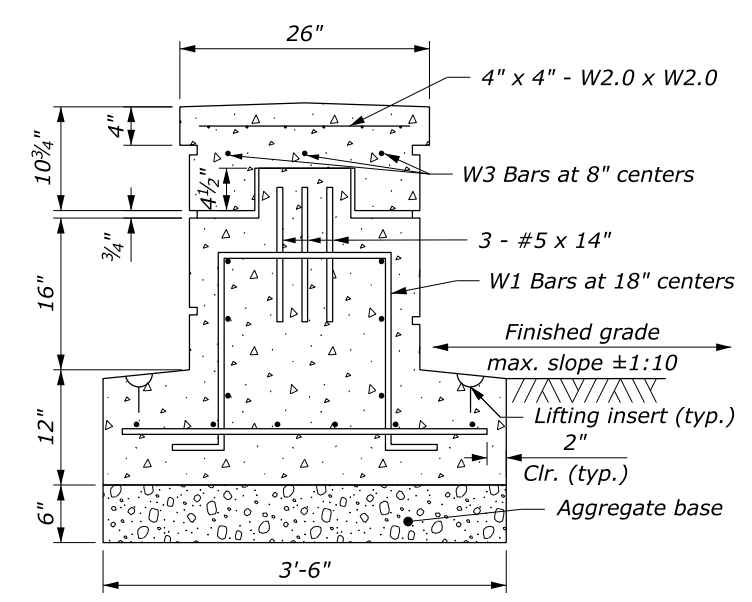
**BENDING DIAGRAMS**



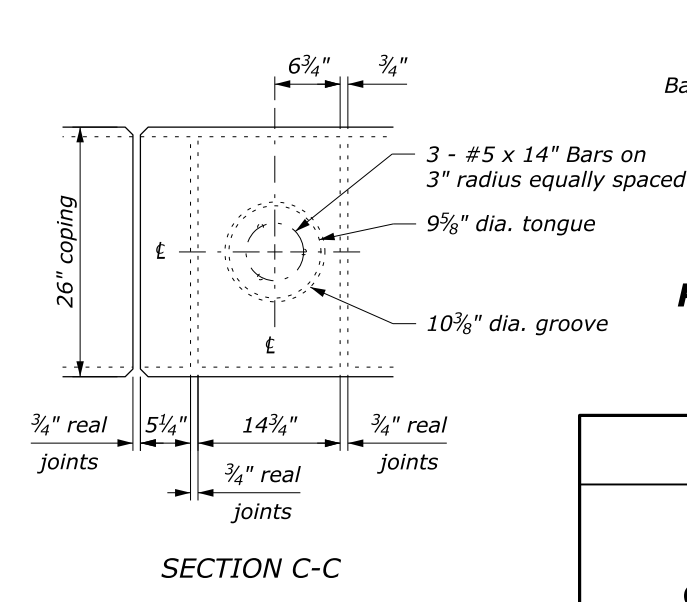
**PRECAST CONCRETE GUARDWALL**



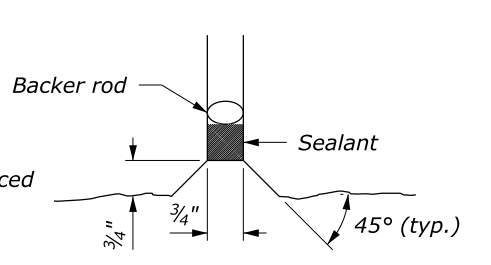
SECTION A-A



SECTION B-B



SECTION C-C



REAL JOINTS DETAIL

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
FEDERAL LANDS HIGHWAY

U.S. CUSTOMARY STANDARD

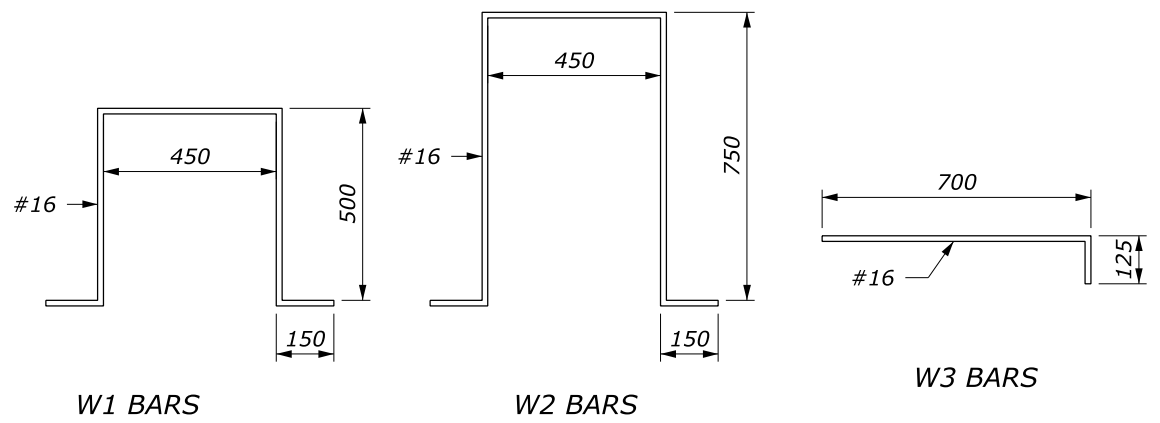
**PRECAST CONCRETE GUARDWALL, TYPE 1**

STANDARD APPROVED FOR USE 3/1990  
REVISED: 4/1994 6/2005

STANDARD 618-2

NO SCALE

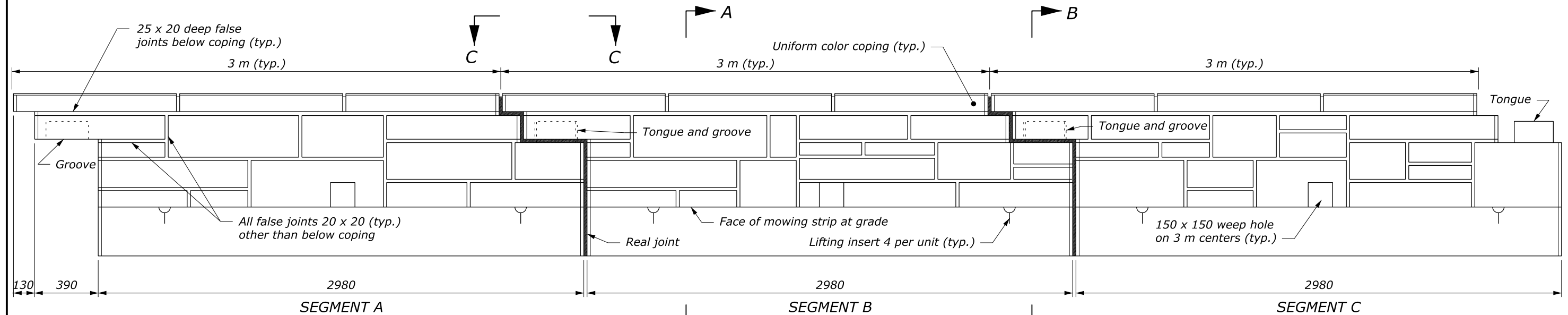
13 September 2016 2:06 PM c:\myfiles\pw\_production\dms44782\std618-2.dgn [USC]



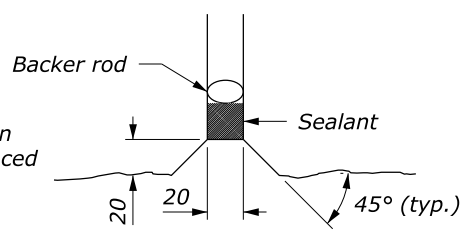
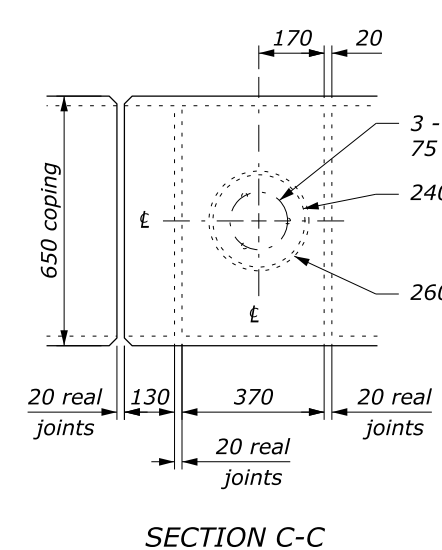
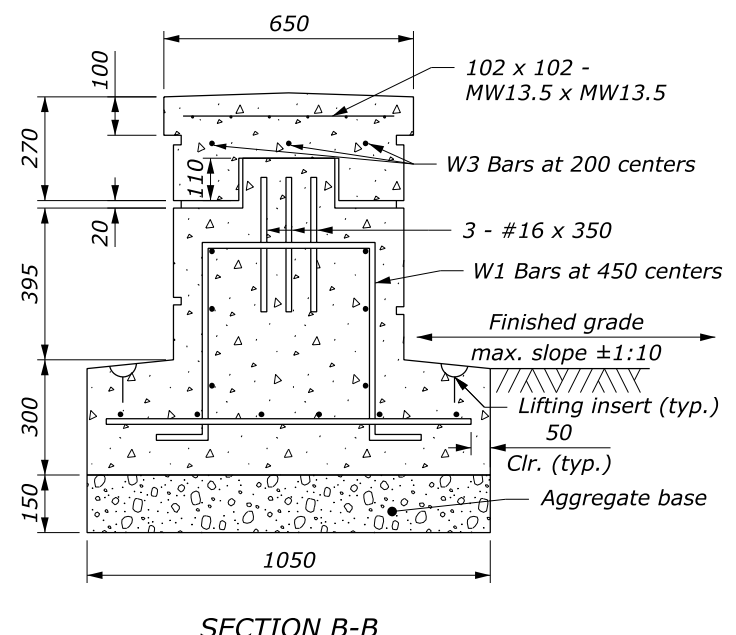
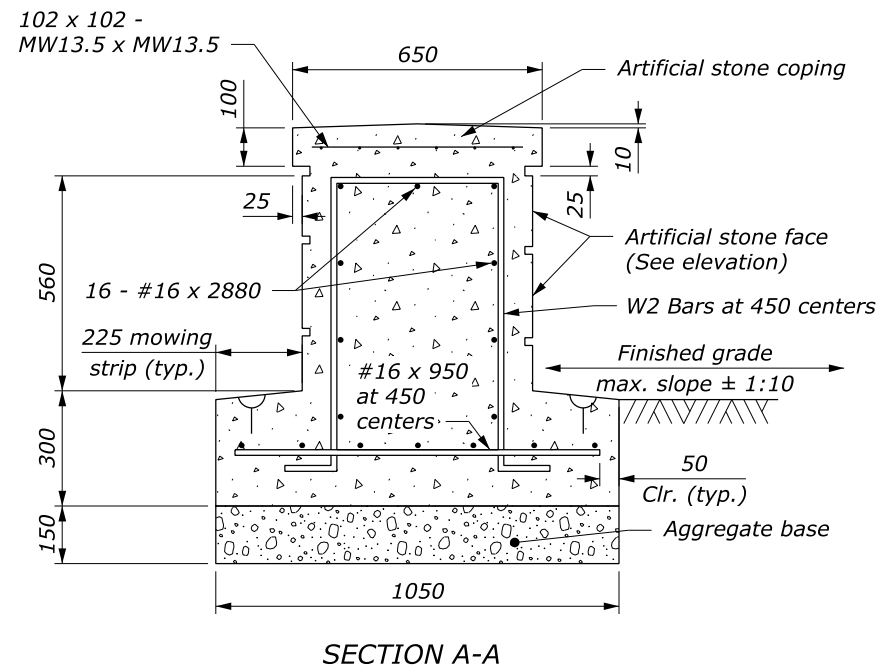
Design Speed (km/h)	Shy Line Offset (m)	Flare Rate (a:b)	
		Inside Shy Line	Outside Shy Line
100	2.4	26:1	14:1
80	2.0	21:1	11:1
60	1.4	16:1	8:1
50 or less	1.0	13:1	7:1

- NOTE:**
- Each unit consists of three segments each of which have a different random masonry pattern as shown. All three segments are to interlock with each other to vary the order.
  - Sealant for the real joint covers the perimeter joint of the capstone, sides, and top and sides of the footing.
  - Precast the entire wall section; no cast-in-place is allowed.
  - Minimum concrete cover 50 mm unless shown otherwise.
  - Dimensions not labeled are millimeters.

**BENDING DIAGRAMS**



**PRECAST CONCRETE GUARDWALL**



U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
FEDERAL LANDS HIGHWAY

METRIC STANDARD

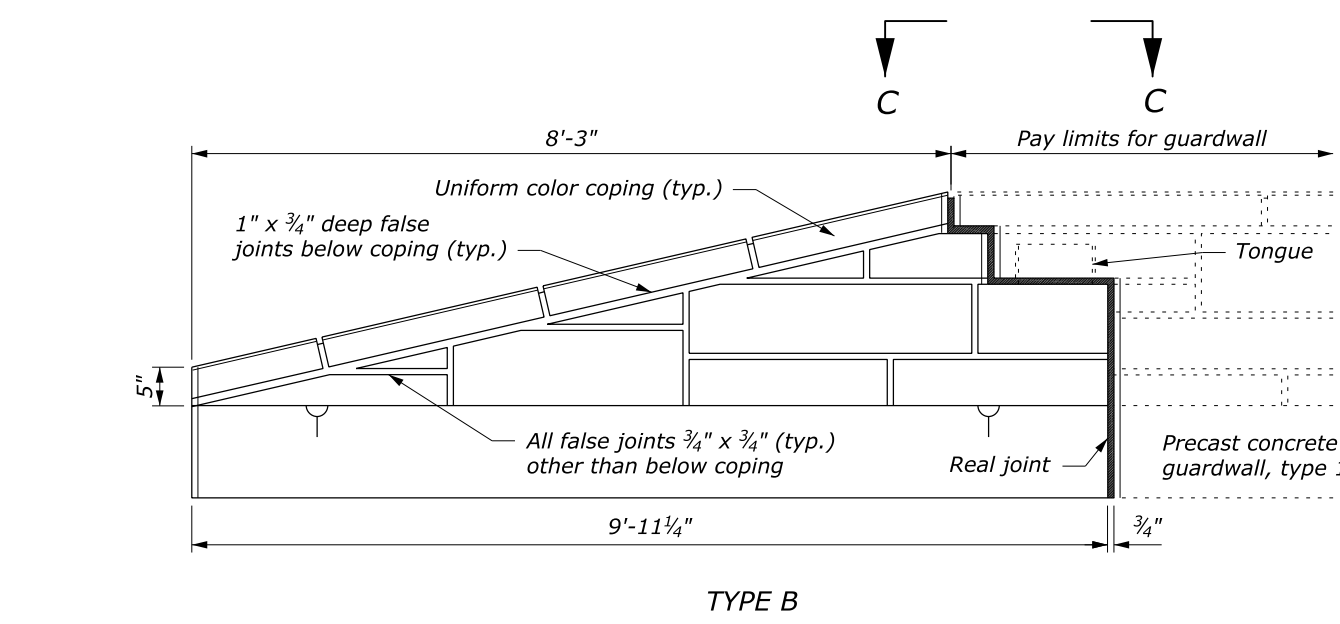
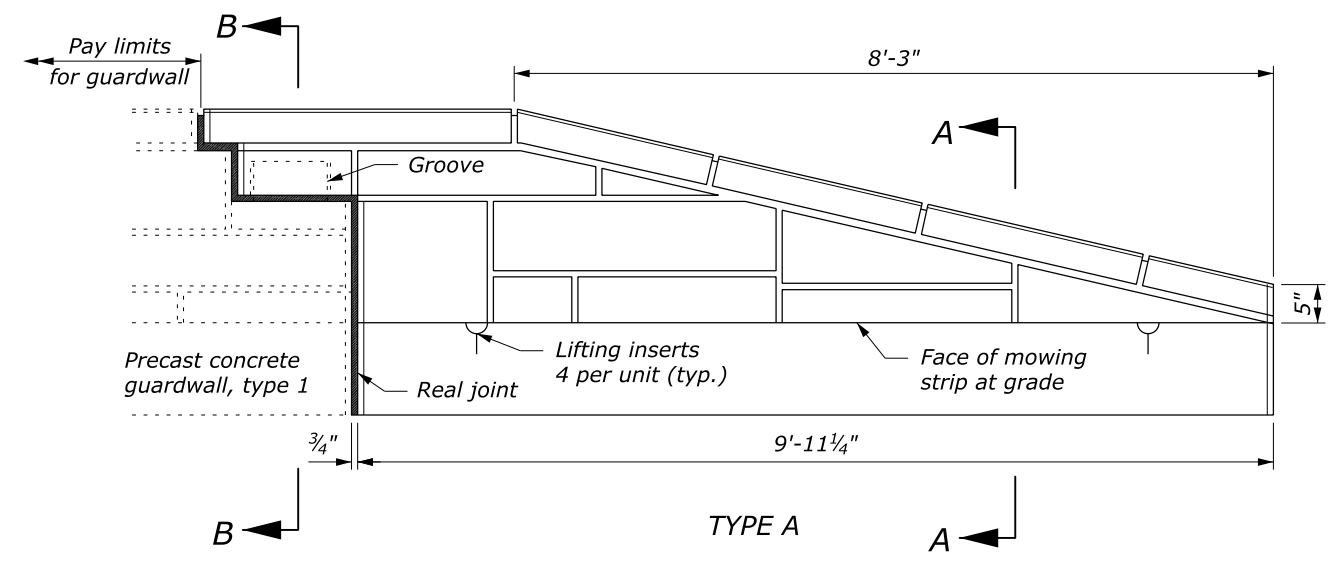
**PRECAST CONCRETE GUARDWALL, TYPE 1**

STANDARD APPROVED FOR USE 3/1996  
REVISED: 6/1997 6/2005

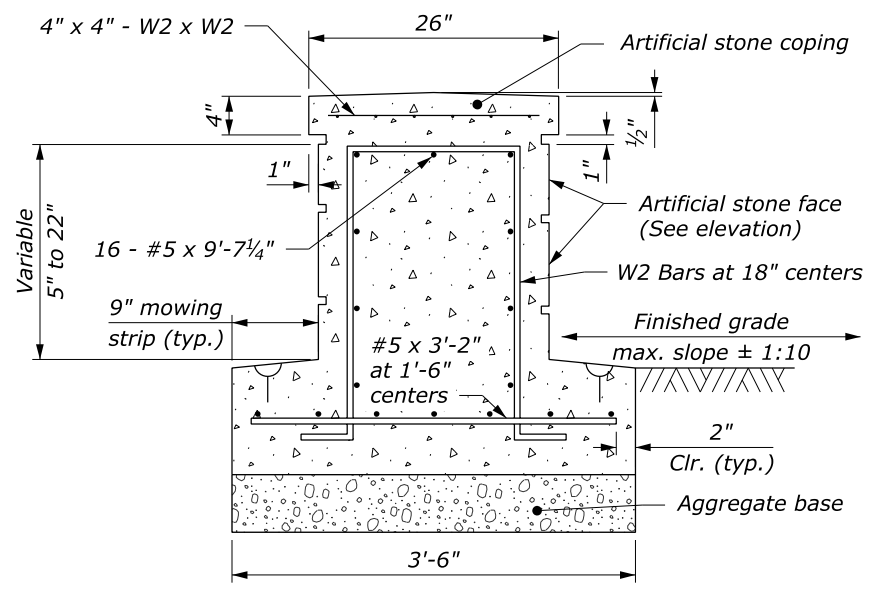
STANDARD M618-2

NO SCALE

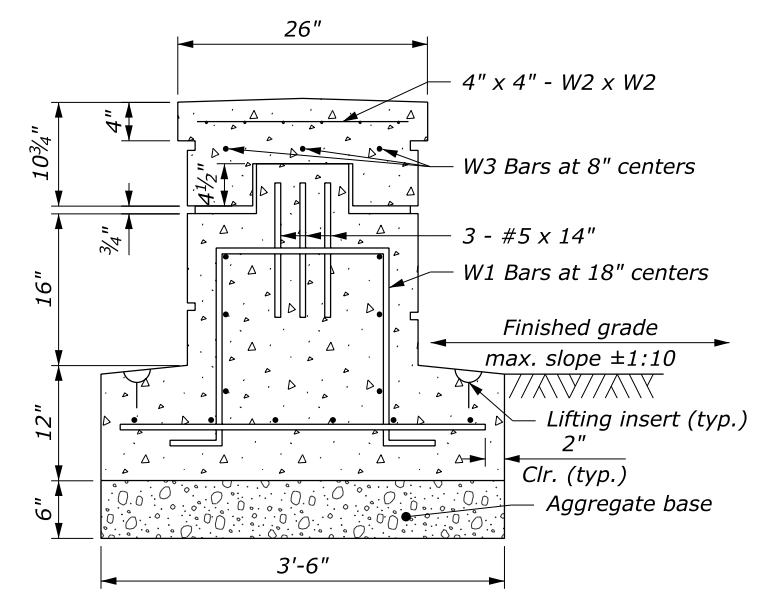
13 September 2016 2:11 PM c:\myfiles\pw\_production\dms44782\std618-2.dgn [Metric]



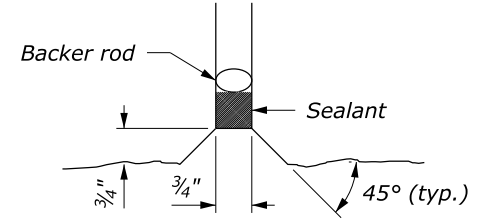
**TERMINAL SECTIONS**



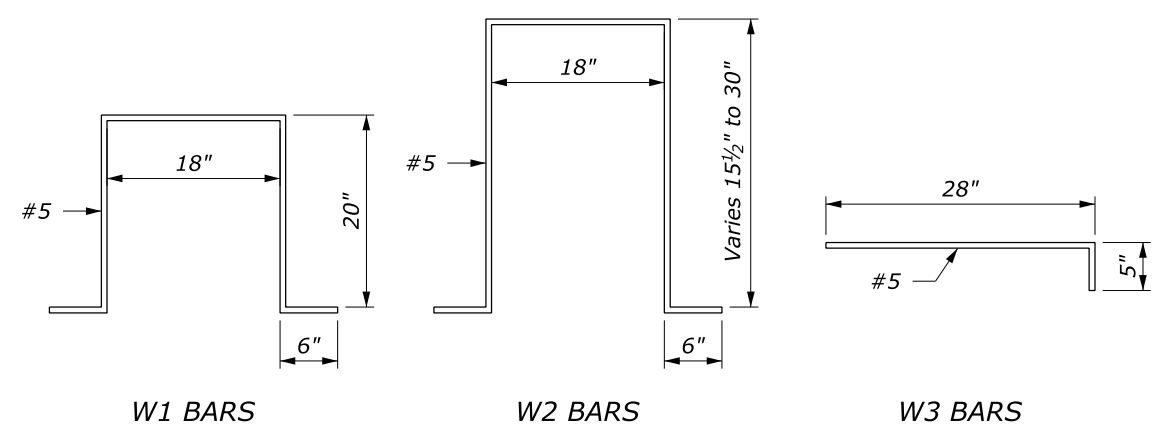
SECTION A-A



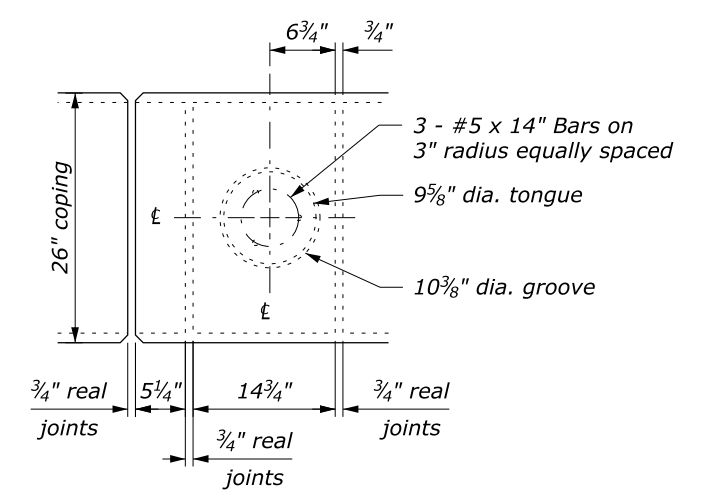
SECTION B-B



**REAL JOINTS DETAIL**



**BENDING DIAGRAMS**



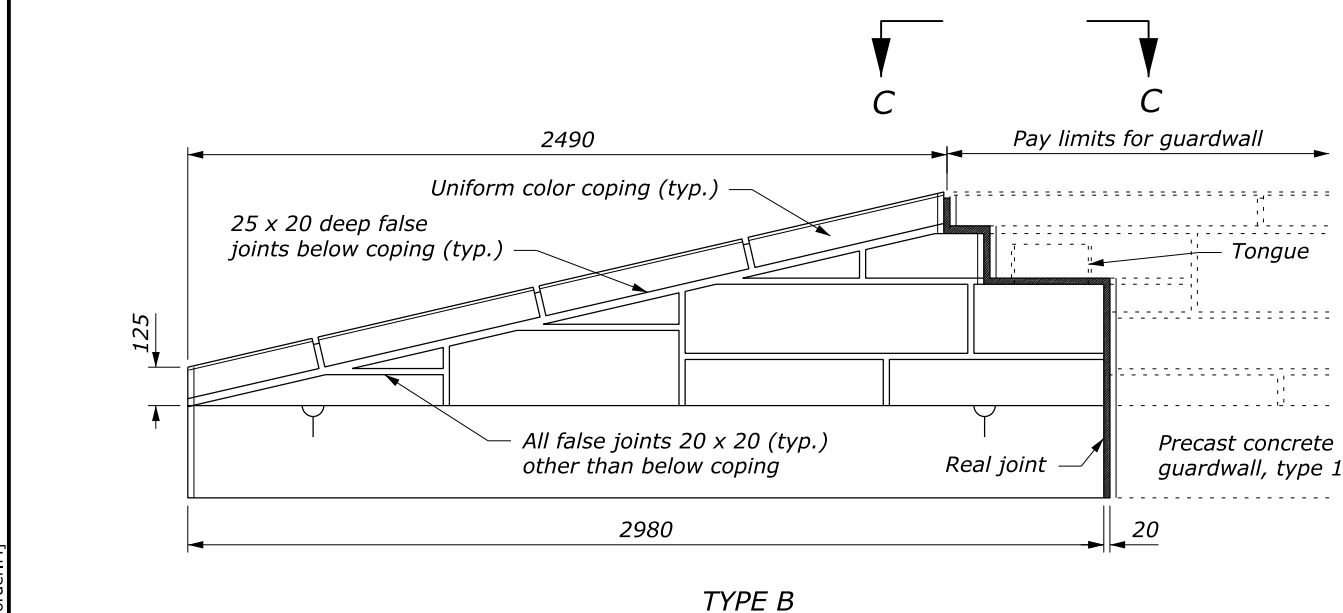
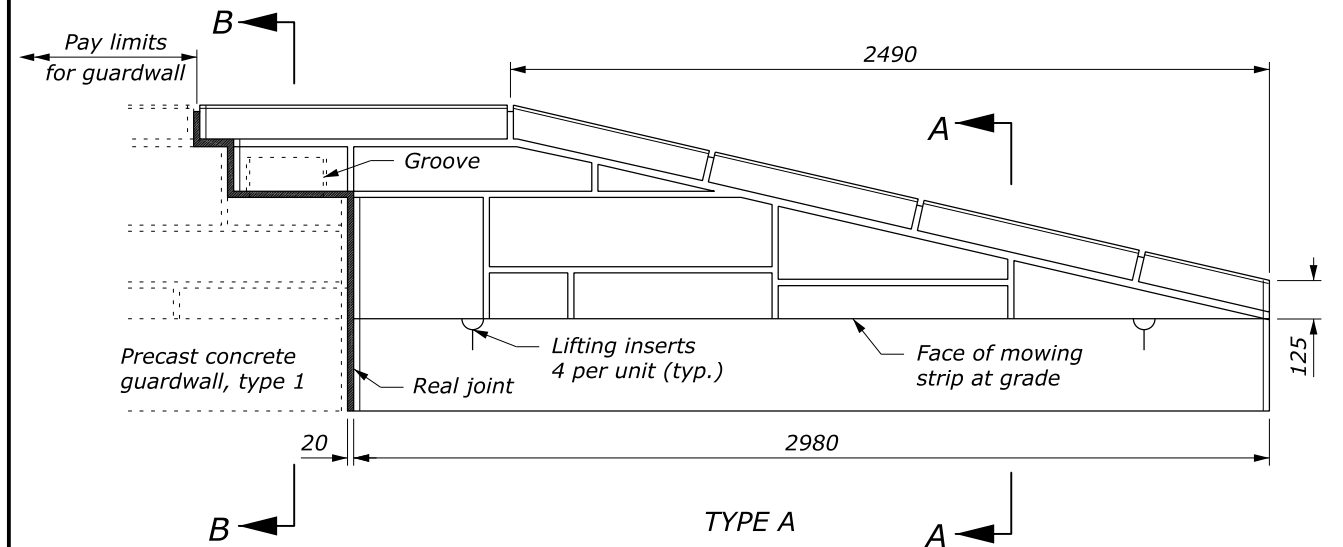
SECTION C-C

**NOTE:**

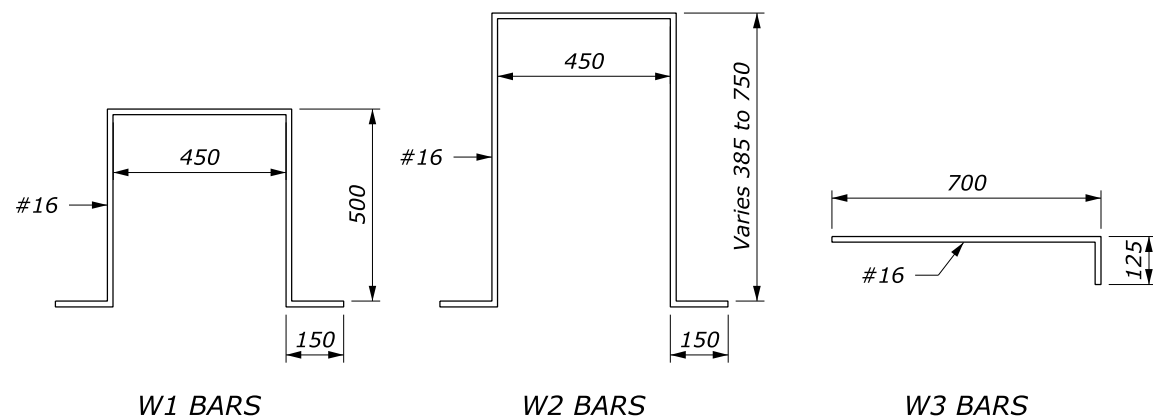
1. Terminal sections, Type A and Type B, interlock with any of the precast concrete guardwall segments.
2. Sealant for the real joint covers the perimeter joint of the capstone, sides, and top and sides of the footing.
3. Precast the entire wall section; no cast-in-place allowed.
4. Minimum concrete cover 2" unless shown otherwise.
5. Place guardwall terminal section outside the clear zone by using the appropriate flare rate in guardwall layout (see Standard 618-2) and as directed by CO.

NO SCALE

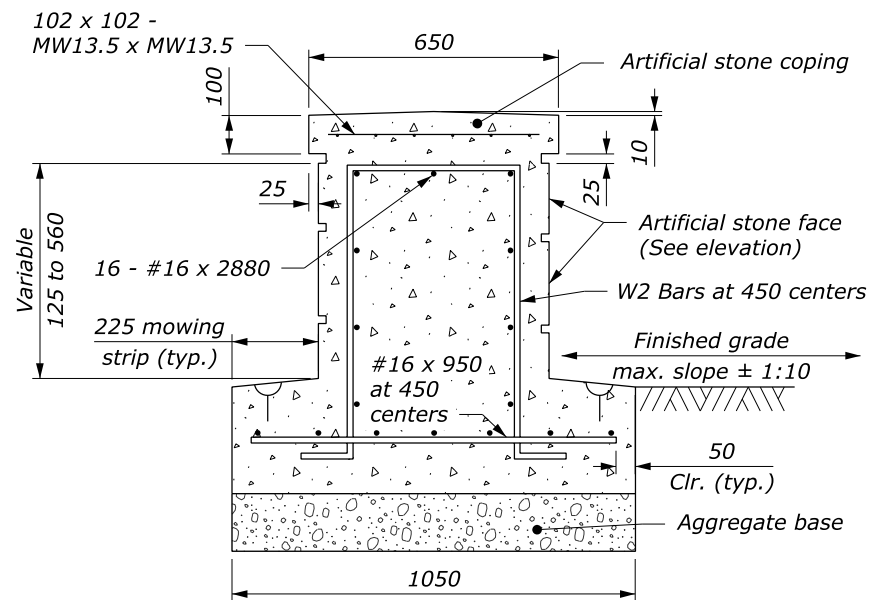
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD <b>PRECAST CONCRETE GUARDWALL, TYPE 1, TERMINAL SECTIONS, TYPE A AND B</b>	
STANDARD APPROVED FOR USE 3/1990 REVISED: 4/1994 6/2005	STANDARD 618-3



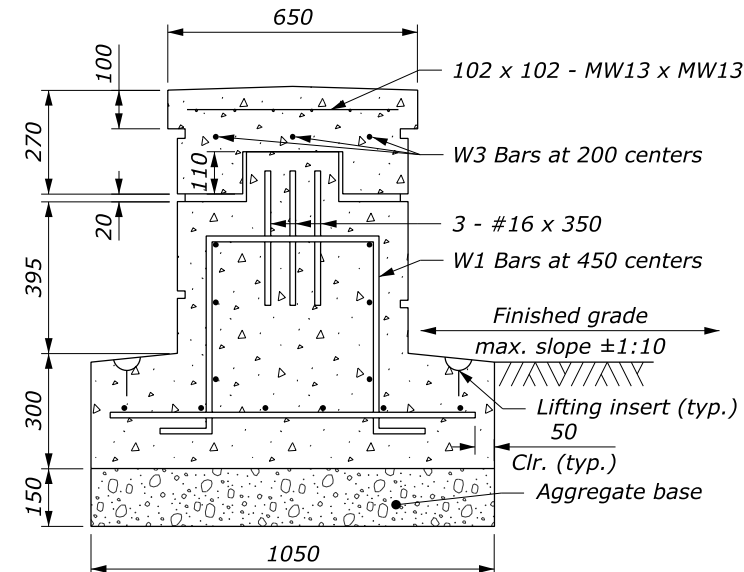
**TERMINAL SECTIONS**



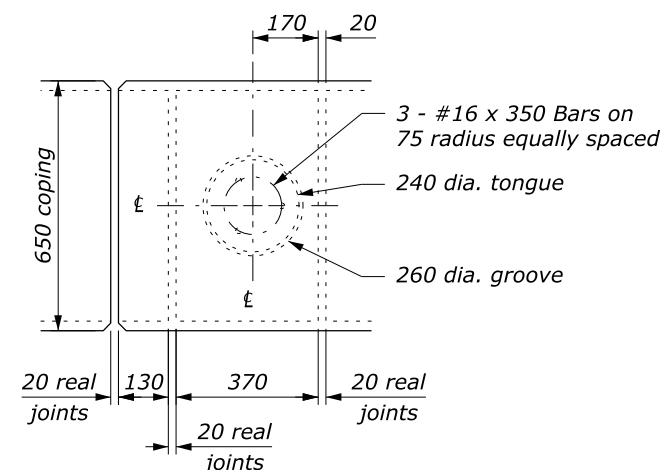
**BENDING DIAGRAMS**



**SECTION A-A**



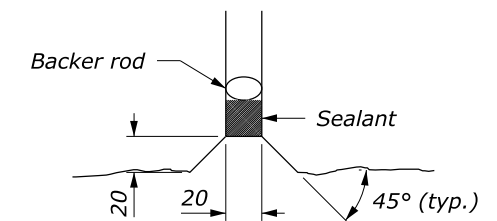
**SECTION B-B**



**SECTION C-C**

**NOTE:**

1. Terminal sections, Type A and Type B, interlock with any of the precast concrete guardwall segments.
2. Sealant for the real joint covers the perimeter joint of the capstone, sides, and top and sides of the footing.
3. Precast the entire wall section; no cast-in-place allowed.
4. Minimum concrete cover 50 mm unless shown otherwise.
5. Place guardwall terminal section outside the clear zone by using the appropriate flare rate in guardwall layout (see Standard M618-2) and as directed by CO.
6. Dimensions without units are millimeters.



**REAL JOINTS DETAIL**

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
FEDERAL LANDS HIGHWAY

METRIC STANDARD  
**PRECAST CONCRETE  
GUARDWALL, TYPE 1,  
TERMINAL SECTIONS,  
TYPE A AND B**

STANDARD APPROVED FOR USE 3/1996  
REVISED: 5/1997 6/2005

STANDARD  
M618-3

NO SCALE