GENERAL NOTES:

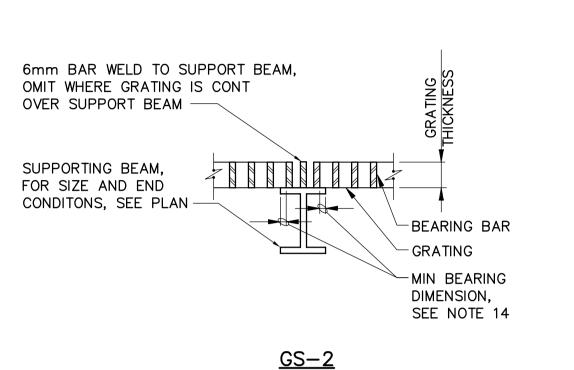
- 1. EXTEND GRATING CONTINUOUSLY OVER GATE GUIDES AND GATES.
- 2. NOTCH GRATING SUPPORTS AT GATES AS REQUIRED.
- 3. GRATING SPAN —— SEE PLAN.
- 4. WIDTH OF GRATING SECTIONS SHALL NOT EXCEED 900mm.
- 5. SHOP DRAWINGS BASED ON FIELD DIMENSIONS SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR PRIOR TO FABRICATION.
- 6. MATERIAL FOR SUPPORTS OF STEEL AND ALUMINUM GRATING TO BE SAME AS GRATING, EXCEPT METAL SUPPORTS THAT ARE TO BE EMBEDDED IN CONCRETE SHALL BE TYPE 316 STAINLESS STEEL.
- 7. UNLESS NOTED OTHERWISE ON PLANS, GRATING THICKNESS SHALL BE AS TABULATED IN "GRATING THICKNESS TABLE" FOR APPLICABLE TRAFFIC.
- 8. BEARING BAR THICKNESS FOR GRATING TO BE 4.8mm MINIMUM.
- 9. BAND ALL EDGES WITH 5mm x DEPTH OF BEARING BAR.
- 10. PROVIDE MISCELLANEOUS GRATING FASTENERS AS REQUIRED.11. TYPE OF MATERIAL USED SHALL BE AS SHOWN ON PLANS OR
- AS SPECIFIED. THIS STANDARD DETAIL INCLUDES 2 TYPES, ALTHOUGH BOTH MAY NOT BE INCLUDED IN PROJECT.

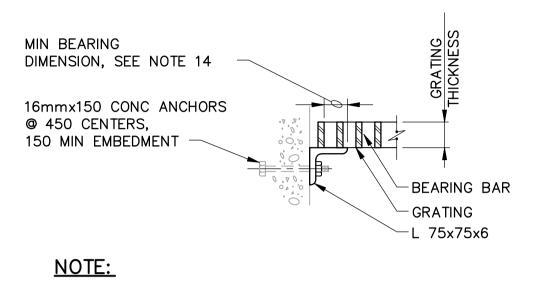
 12. THE HORIZONTAL CLEARANCE BETWEEN THE GRATING AND
- GRATING SUPPORTS SHALL NOT BE LESS THAN 6mm NOR GREATER THAN 13mm AND AS SPECIFIED.
- 13. ALL GRATING SECTIONS, WHEN IN PLACE, SHALL ALWAYS BE FIRMLY ANCHORED TO THEIR SUPPORTS AS SPECIFIED.
- 14. MIN BEARING HORIZONTAL DIMENSION = 25mm FOR GRATING DEPTH 57mm OR LESS, MIN BEARING HORIZONTAL = 50mm FOR GRATING DEPTH GREATER THAN 57mm

HEAVY VEHICULAR TRAFFIC HS 20-44				
MAXIMUM	BEARING BARS			
SPAN (mm)	STEEL	ALUMINUM		
300	51×4.8			
500	64x6.4			
600	64x9.5 OR 76x6.4	DO NOT USE ALUMINUM GRATING		
750	76x9.5 OR 102x6.4			
1000	89x9.5			
1200	102x9.5			
1500	114x9.5			

LIGHT VEHICULAR TRAFFIC (WHEEL LOAD = 900 kg OR LESS)			
MAXIMUM	BEARING BARS		
SPAN (mm)	STEEL	ALUMINUM	
300	44×4.8	44x4.8	
450	44×4.8	44x4.8	
600	51x4.8	51x4.8	
750	57x4.8	57x4.8	
900	64x4.8	64x4.8	
1200	64×6.4		
1500	64x9.5	DO NOT USE ALUMINUM	
1800	64x9.5	GRATING	
2100	76x9.5		

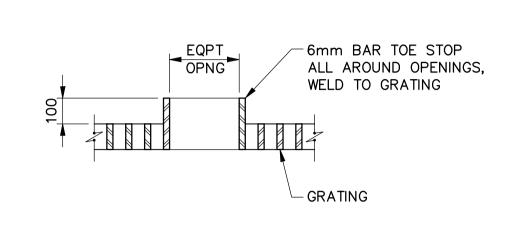
	FOOT TRAFFIC			
GRATING THICKNESS TABLE				
MAXIMUM SPAN (mm)	ALUMINUM (mm)	STEEL (mm)		
1050	32	25		
1200	38	25		
1350	44	25		
1500	44	32		
1650	51	32		
1800	57	38		
1950	57	38		
2100	64	44		





<u>GS-3</u>

USE GS-3 ONLY FOR FOOT TRAFFIC GRATING.



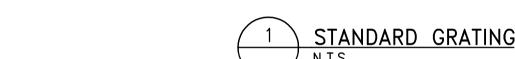
EQUIPMENT OPENINGS

VEHICULAR TRAFFIC NOTE:

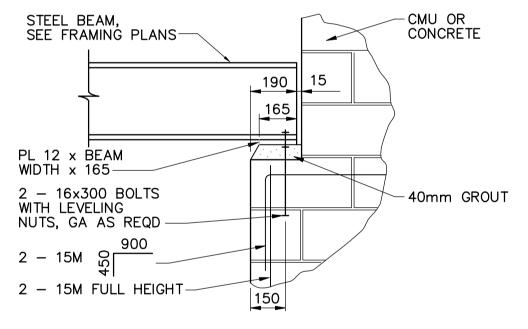
STEEL GRATING BEARING BARS FOR VEHICULAR TRAFFIC SHALL BE SPACED AT 48mm OC; ALUMINUM GRATING BEARING BARS FOR VEHICULAR TRAFFIC SHALL BE SPACED AT 30mm OC.

SERRATED BEARING BARS:

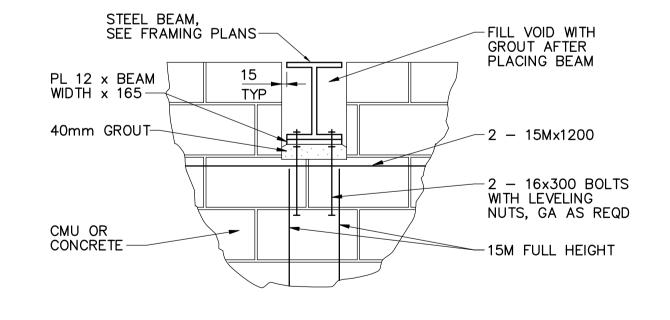
INCREASE GRATING THICKNESSES SHOWN IN TABLES BY 6mm FOR GRATING WITH SERRATED SLIP RESISTANT SURFACES.





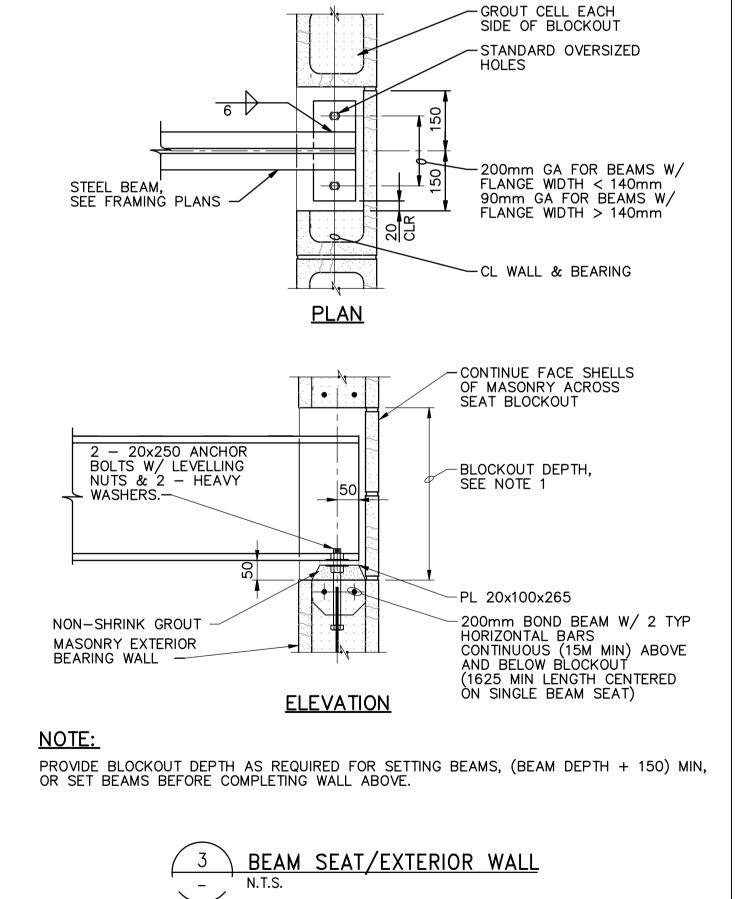


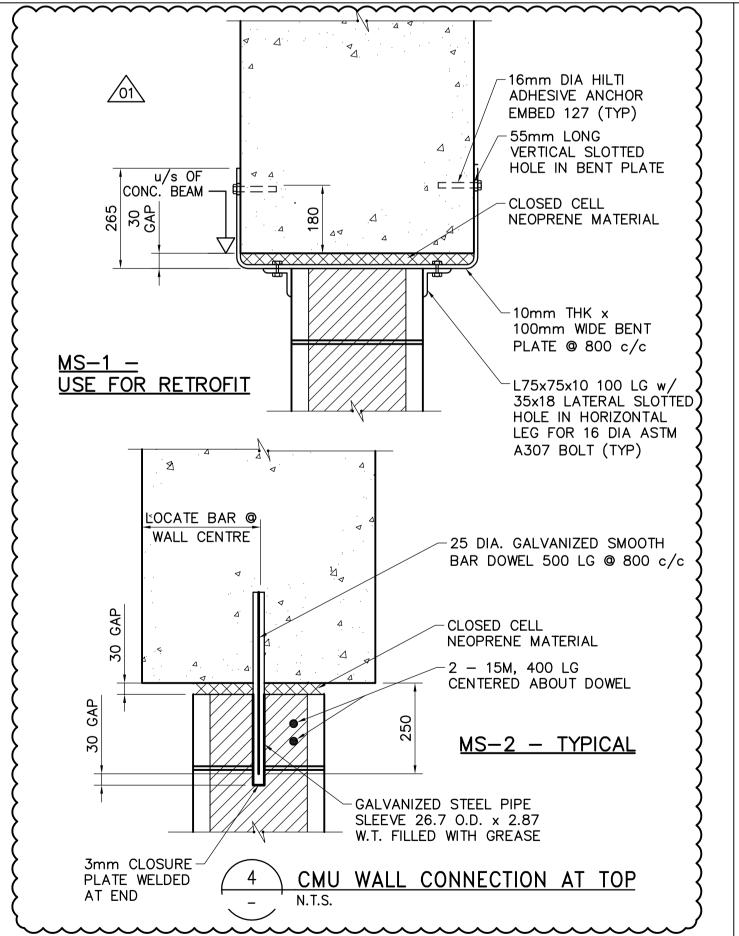
PARALLEL TO WALL

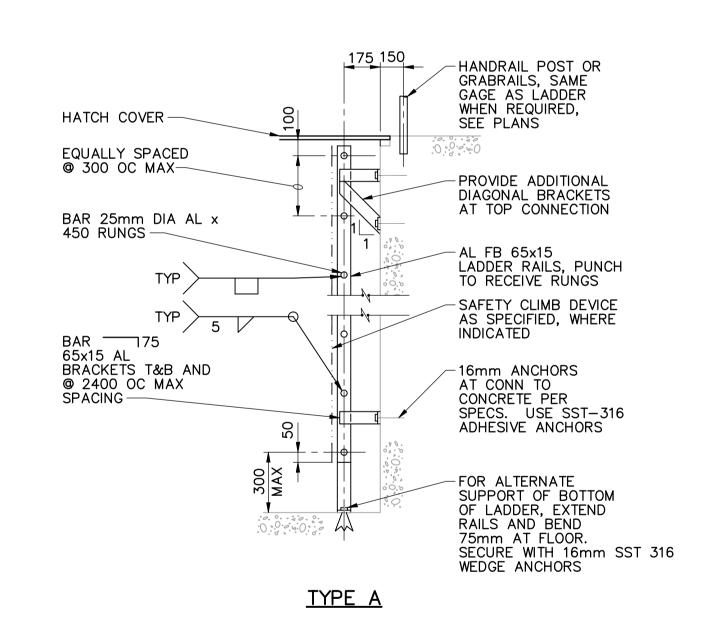


PERPENDICULAR TO WALL







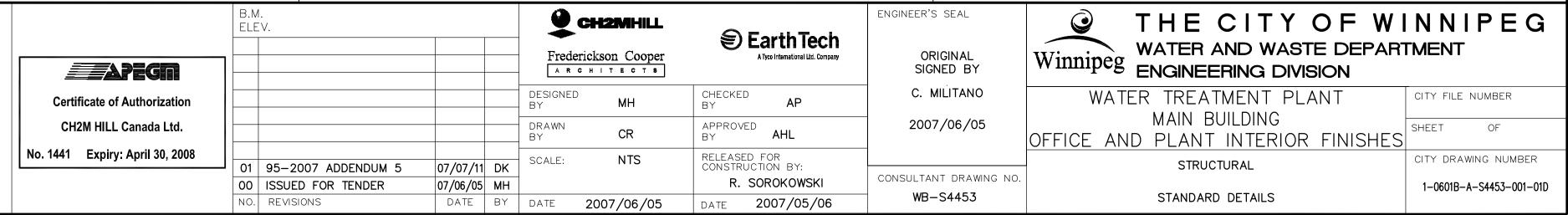


NOTE:

1. PROVIDE PROTECTION FOR ALUMINUM IN CONTACT WITH CONCRETE AS SPECIFIED.

5 FLAT BAR LADDER UNDER COVER-ALUMINUM

N.T.S.



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