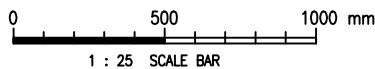


ELEVATION (FROM OUTSIDE)

SECTION A - A



Cad Ref. : WSD061001 - C.dwg

C	DETAILS OF LATTICE POST AND EXPANDED METAL MESH REVISED	Y.B. LO	13/8/19
B	NOTE 3 UPDATED	W.K. CHIU	18/7/08
A	M.S. BAR ADDED FOR EARTHING	W.K. CHIU	17/03/06
REF.	REVISION	APPROVED	DATE

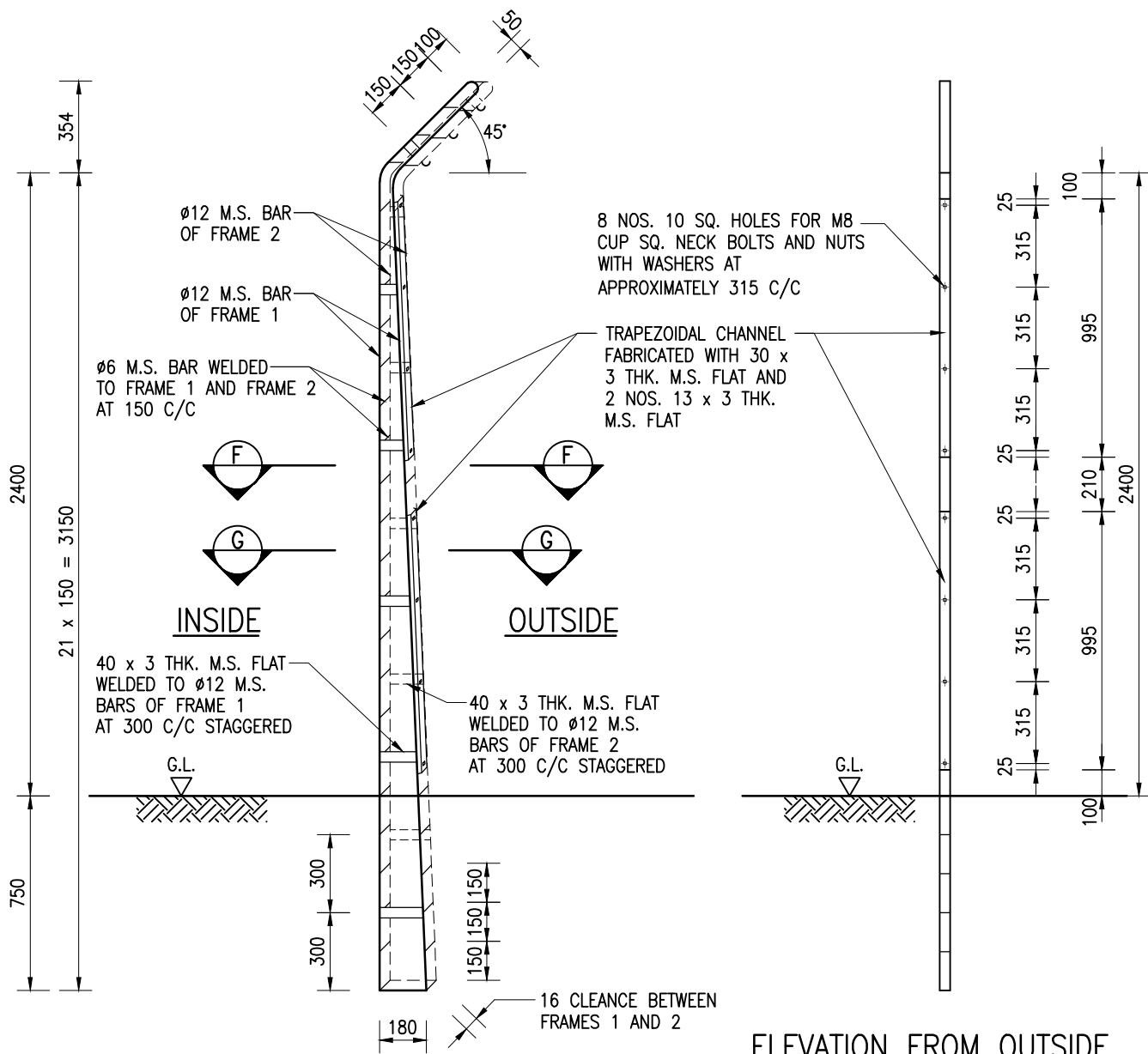


水務署
Water Supplies Department

HIGH STRENGTH SECURITY FENCE

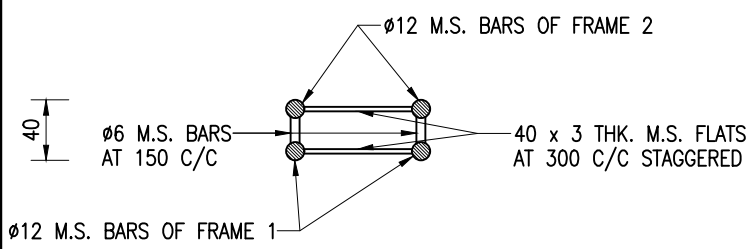
APPROVED M.C. LEUNG
AD/NW
DATE 24/10/03
SCALE 1 : 25

DRAWING NO. WSD 6.10C
(SHEET 1 OF 5)
CSWP



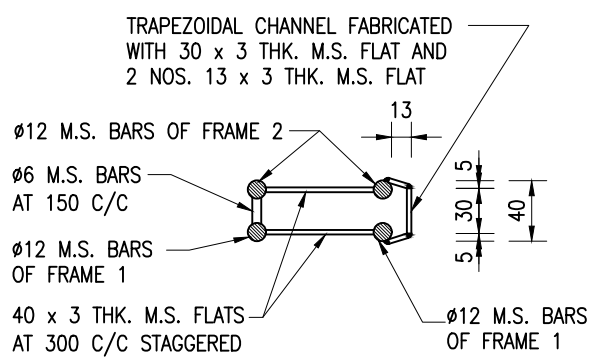
LATTICE POST

ELEVATION FROM OUTSIDE



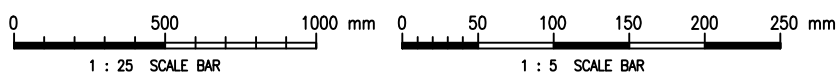
SECTION F - F

SCALE 1 : 5



SECTION G - G

SCALE 1 : 5



Cad Ref. : WSD061002-C.dwg

HIGH STRENGTH SECURITY FENCE



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AD/NW

DATE

24/10/03

SCALE

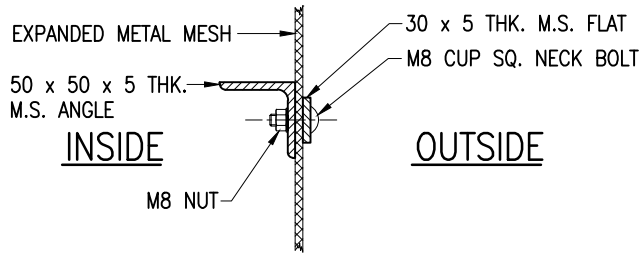
1 : 25 OR AS SHOWN

DRAWING NO.

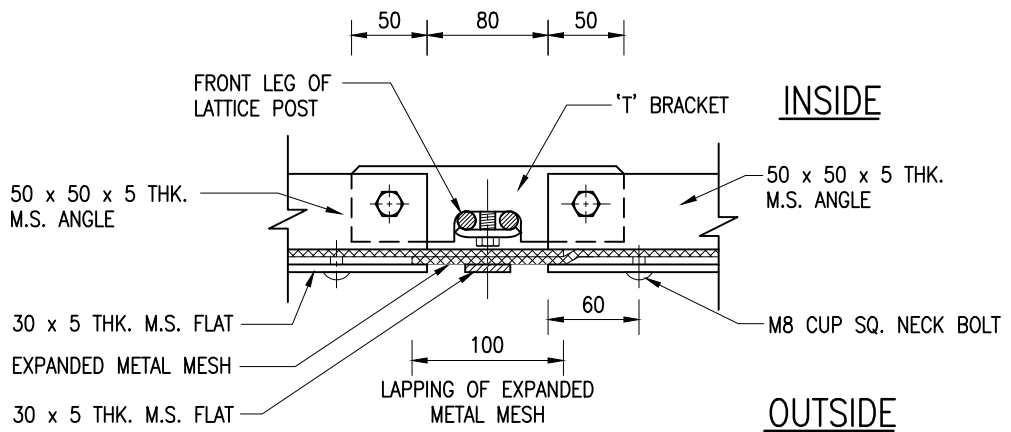
WSD 6.10C

(SHEET 2 OF 5)

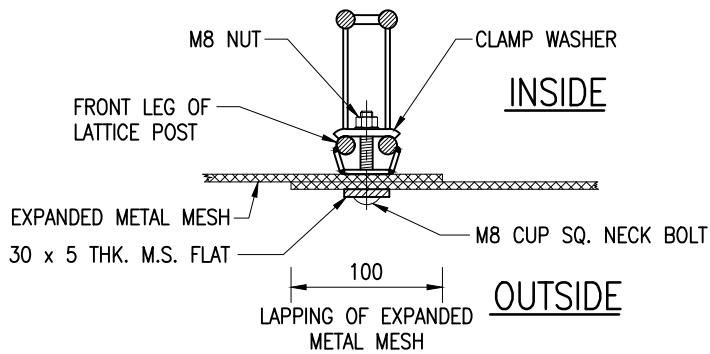
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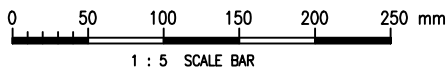
SECTION B - B



SECTION C - C
(AT MESH LAPPING POSITION)



SECTION D - D



Cad Ref. : WSD061003-C.dwg

HIGH STRENGTH SECURITY FENCE



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APPROVED

M.C. LEUNG
AD/NW

DATE

24/10/03

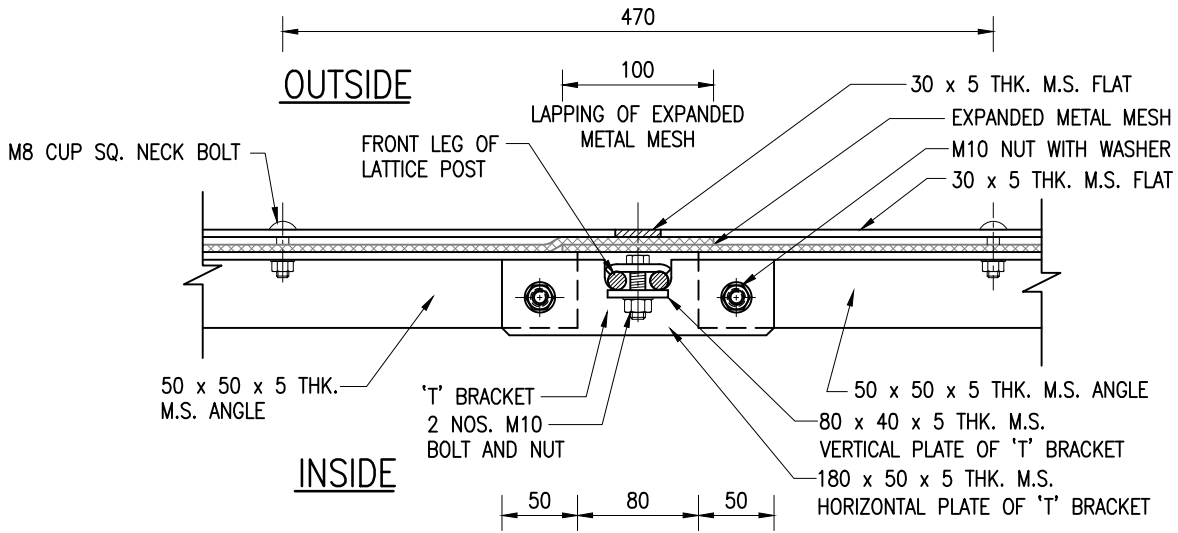
SCALE

1 : 5

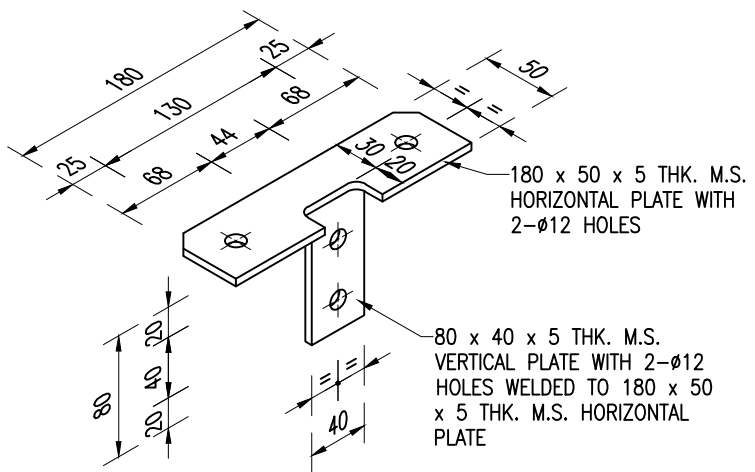
DRAWING NO.

WSD 6.10C
(SHEET 3 OF 5)

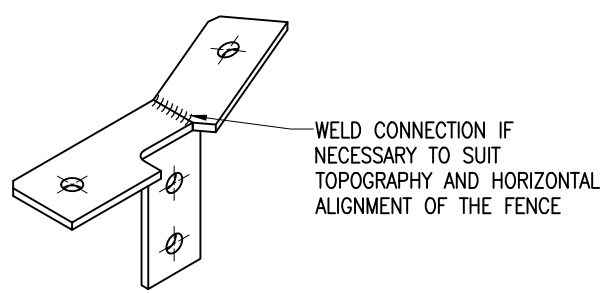
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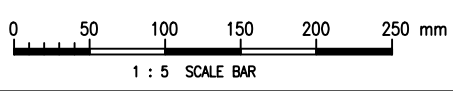
SECTION E - E
(AT MESH LAPPING POSITION)




ISOMETRIC VIEW OF 'T' BRACKET



ISOMETRIC VIEW OF 'T' BRACKET
(MODIFIED TO SUIT SITE CONDITION)



Cad Ref. : WSD061004-C.dwg


HIGH STRENGTH SECURITY FENCE	 水務署 Water Supplies Department		CSWP
	APPROVED	M.C. LEUNG AD/NW	DRAWING NO. WSD 6.10C (SHEET 4 OF 5)
	DATE	24/10/03	
SCALE	1 : 5		

NOTES :

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. ALL WELDS SHALL BE 6mm FILLET WELD.
3. ALL STEEL MATERIALS SHALL BE HOT-DIP GALVANIZED TO BS EN ISO 1461:2009.
4. EXPANDED METAL MESH SHALL BE MANUFACTURED TO BS 405:1987 AND SHALL HAVE THE FOLLOWING SPECIFICATIONS

(a) MESH SIZE :	LONG WAY	76.2mm
	SHORT WAY	34.0mm
(b) STRAND SIZE :	THICKNESS	2.3mm
	WIDTH	3.0mm
(c) WEIGHT :	3.19 kg/m ²	
5. LAPPINGS OF EXPANDED METAL MESH SHALL BE ALLOWED AT THE LATTICE POSTS ONLY.
6. ONE NUMBER EARTHING ELECTRODE AS SHOWN ON DRAWING NO. WSD 6.7 SHALL BE INSTALLED FOR EVERY 40m OF SECURITY FENCE. THE EXACT LOCATIONS SHALL BE DETERMINED BY THE ENGINEER. THE ELECTRODE SHALL BE CONNECTED TO THE SECURITY FENCE BY A 25 x 6 THICK MILD STEEL CONNECTING BAR LAID AT A DEPTH NOT EXCEEDING 500mm. THE DISTANCE BETWEEN THE SECURITY FENCE AND THE ELECTRODE SHALL NOT EXCEED 5m.
7. WHERE THERE IS A LEVEL DIFFERENCE BETWEEN THE TWO SIDES OF THE SECURITY FENCE, THE HEIGHT OF THE SECURITY FENCE SHALL BE ADJUSTED SUCH THAT A MINIMUM LATTICE POST HEIGHT OF 2754mm ABOVE THE GROUND LEVEL SHALL BE MAINTAINED OUTSIDE THE FENCE.
8. ALL STEELWORK SHALL BE GRADE S275J0 TO BS EN 10025 PART 2.
9. ANY CULVERTS PASSING UNDER SECURITY FENCES AND GATES SHALL BE PROTECTED AGAINST INTRUDERS.

Cad Ref. : WSD061005-C.dwg

HIGH STRENGTH SECURITY FENCE	 水務署 Water Supplies Department		
	APPROVED	M.C. LEUNG AD/NW	DRAWING NO.
	DATE	24/10/03	WSD 6.10C
	SCALE	NOT APPLICABLE	(SHEET 5 OF 5)
			CSWP