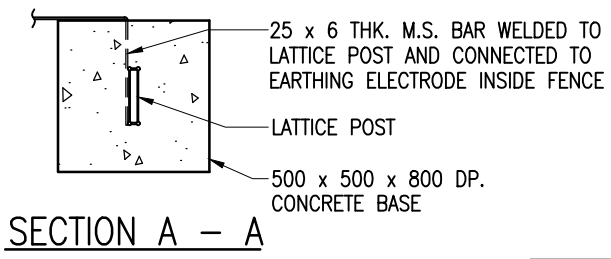



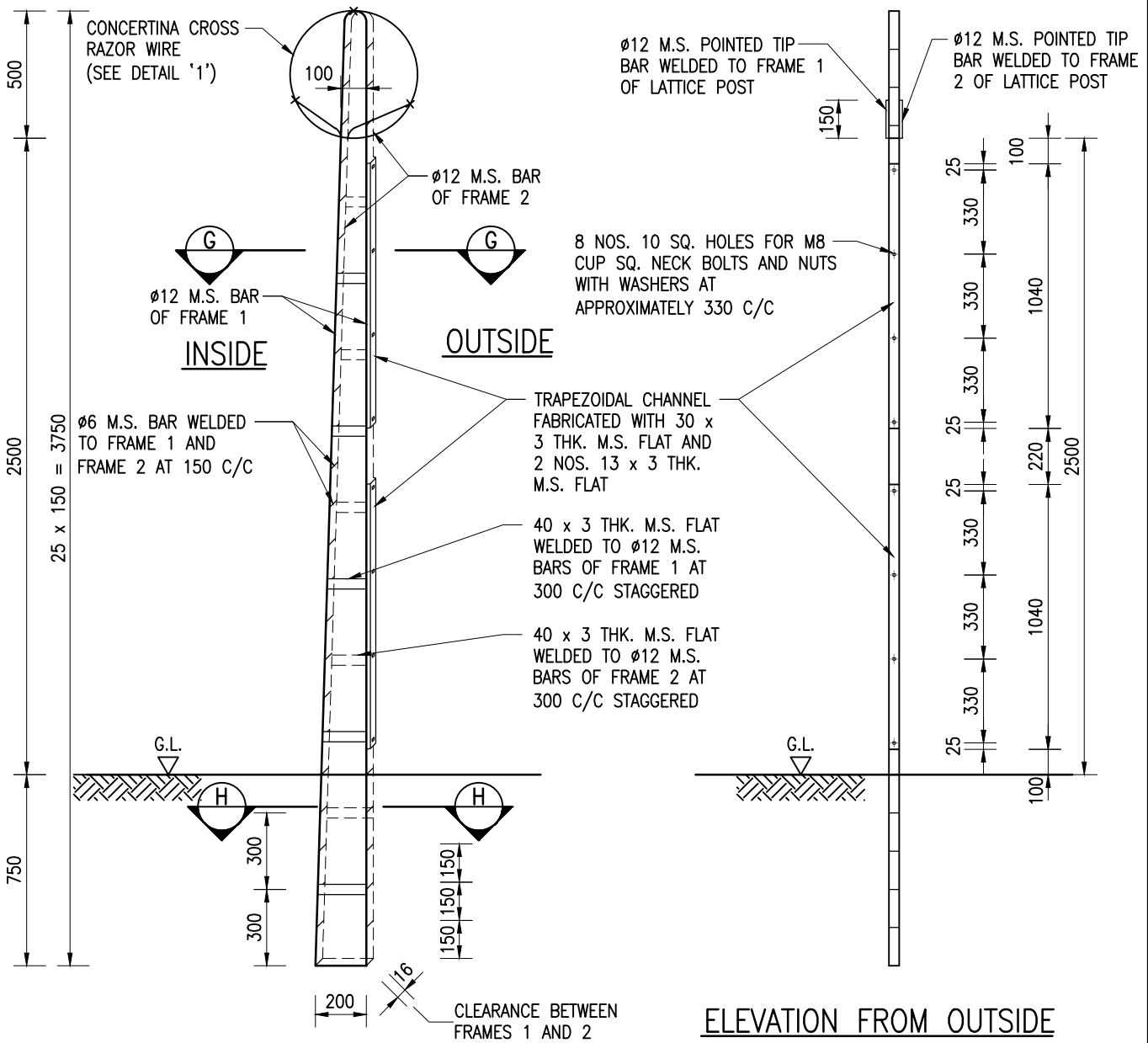
ELEVATION (FROM OUTSIDE)



Cad Ref. : WSD061301.dwg

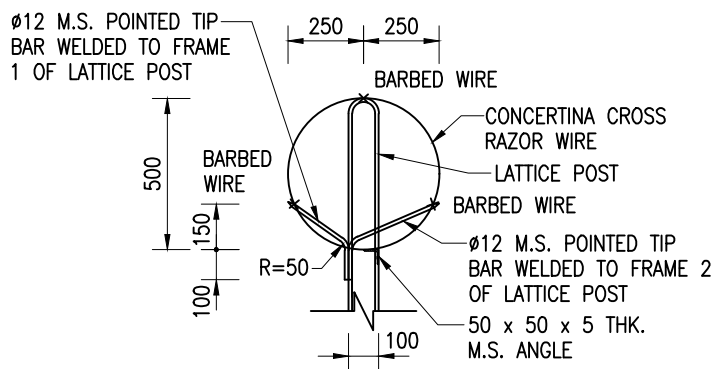
REF.	REVISION	APPROVED	DATE
 水務署 Water Supplies Department			
APPROVED	O.L. PANG AD/NW	DRAWING NO.	CSWP
DATE	13/8/19	WSD 6.13 (SHEET 1 OF 5)	
SCALE	1 : 25		

HIGH STRENGTH SECURITY FENCE
(3 METRE HIGH)

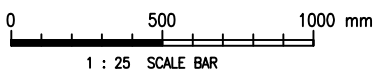


LATTICE POST

ELEVATION FROM OUTSIDE



DETAIL '1'



Cod Ref. : WSD061302.dwg

**HIGH STRENGTH SECURITY FENCE
(3 METRE HIGH)**



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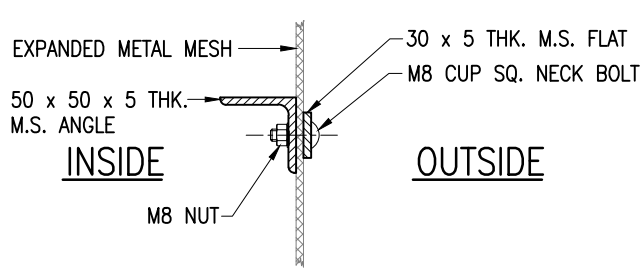
1 : 25 OR AS SHOWN

DRAWING NO.

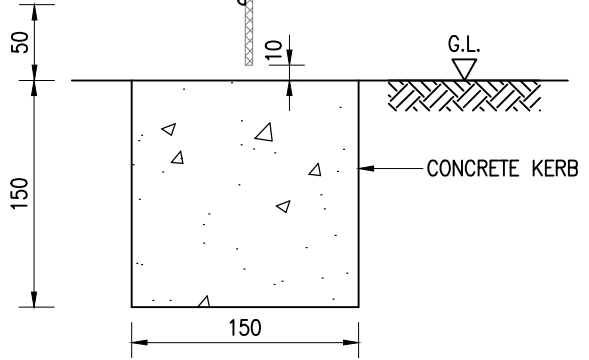
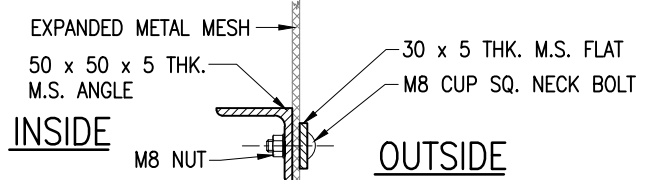
WSD 6.13

(SHEET 2 OF 5)

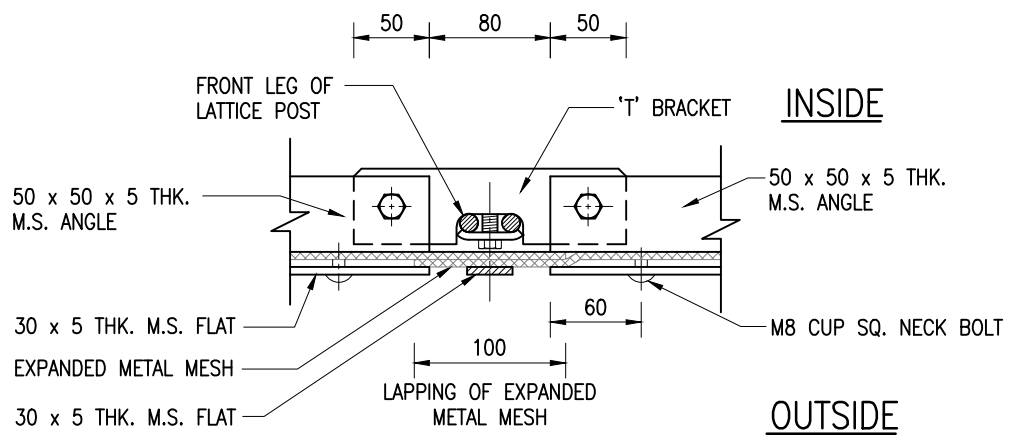
CSWP



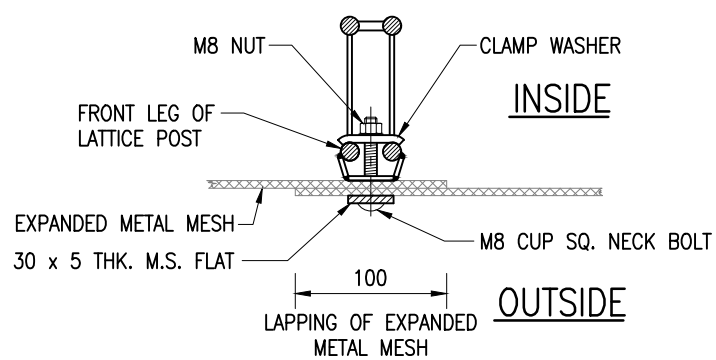
SECTION B - B



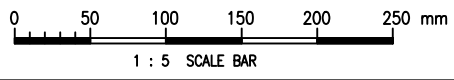
SECTION C - C



SECTION D - D
(AT MESH LAPPING POSITION)



SECTION E - E
(AT MESH LAPPING POSITION)



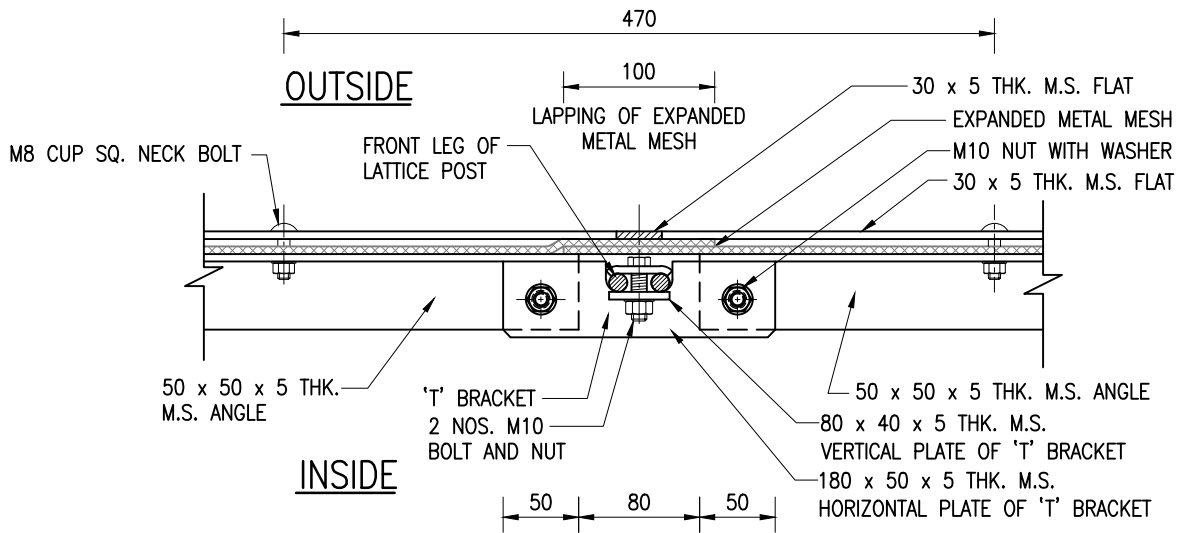
Cad Ref. : WSD061303.dwg

HIGH STRENGTH SECURITY FENCE
(3 METRE HIGH)

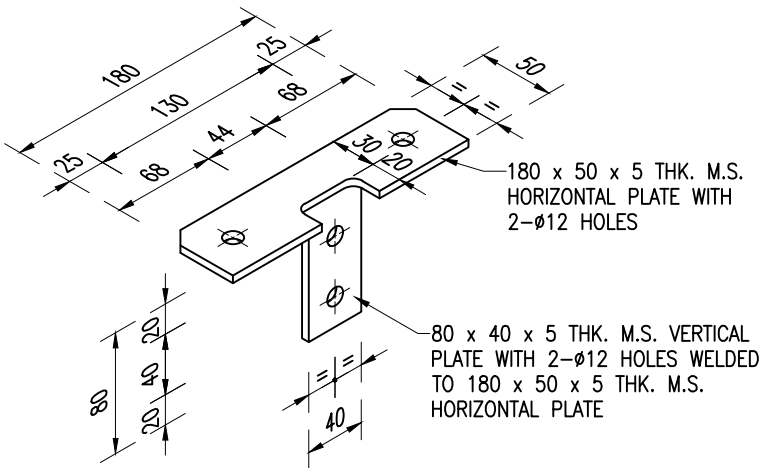


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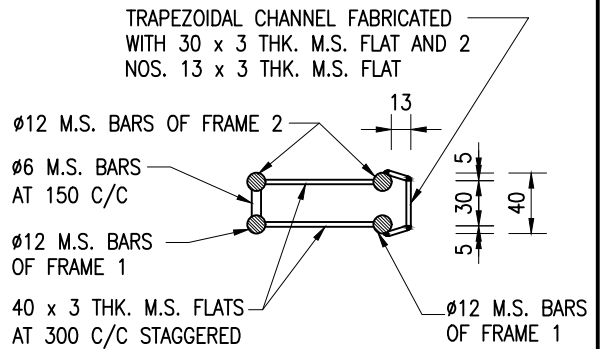
APPROVED	O.L. PANG AD/NW	DRAWING NO. WSD 6.13 (SHEET 3 OF 5)	CSWP
DATE	13/8/19		
SCALE	1 : 5		



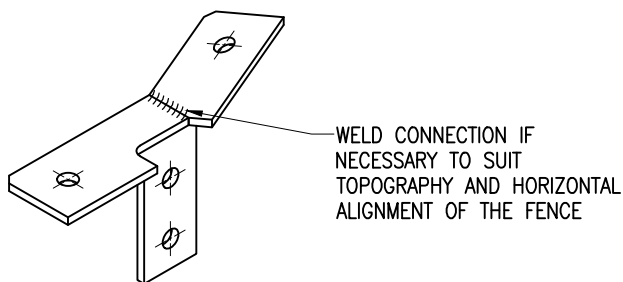
SECTION F - F



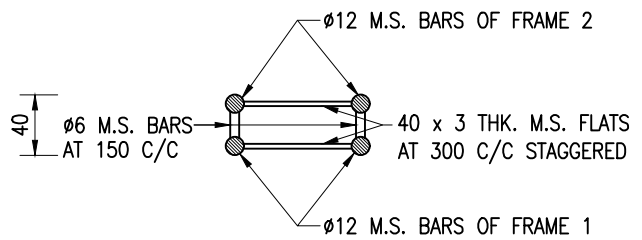
ISOMETRIC VIEW OF 'T' BRACKET



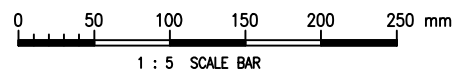
SECTION G - G



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



SECTION H - H



Cod Ref. : WSD061304.dwg

**HIGH STRENGTH SECURITY FENCE
(3 METRE HIGH)**



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DATE

13/8/19

SCALE

1 : 5

DRAWING NO.

WSD 6.13

(SHEET 4 OF 5)

CSWP

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/m²
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 HEIGHT OF 3000mm INCLUDING CONCERTINA CROSS RAZOR WIRE ABOVE THE GROUND LEVEL SHALL BE MAINTAINED OUTSIDE THE FENCE.
8. CONCERTINA CROSS RAZOR WIRE SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS
 - (a) COIL DIAMETER : 500mm
 - (b) WIRE TYPE : BTO 22
 - (c) WIRE DIAMETER : 2.5mm
 - (d) BARB THICKNESS : 0.5mm
 - (e) BARB SPACING : 34mm
9. THE CONCERTINA CROSS RAZOR WIRE SHALL BE FIXED TO THE M.S. BARBED WIRE AND THE 50 x 50 x 5 THICK M.S. ANGLE AT THE TOP OF THE SECURITY FENCE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
10. ALL STEELWORK SHALL BE GRADE S275J0 TO BS EN 10025 PART 2.
11. ANY CULVERTS PASSING UNDER SECURITY FENCES AND GATES SHALL BE PROTECTED AGAINST INTRUDERS.

Cad Ref. : WSD061305.dwg

HIGH STRENGTH SECURITY FENCE
(3 METRE HIGH)



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DATE	13/8/19		
SCALE	NOT APPLICABLE		