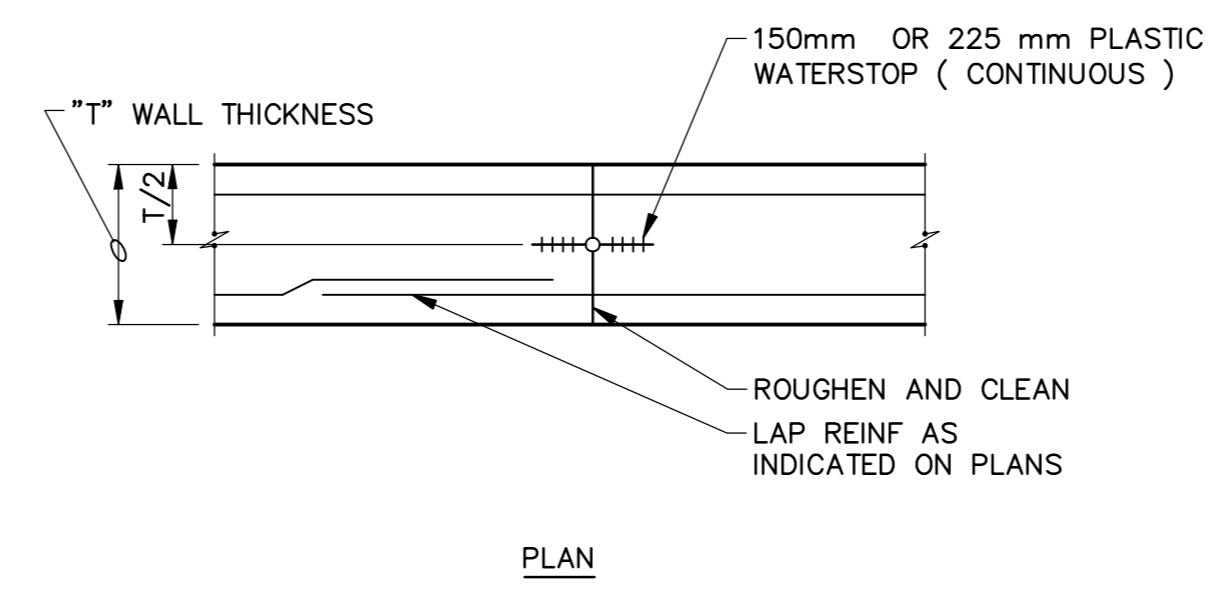


PLAN

COORDINATE CONSTRUCTION JOINT LOCATIONS AND TIME BETWEEN CONCRETE POURS WITH SPECIFICATION 3300. LOCATE WALL CONSTRUCTION JOINTS AS SHOWN, UNLESS INDICATED OTHERWISE. THE EXACT SPACING OF CONSTRUCTION JOINTS VARIES FROM 10 000 TO 15 000 , BASED ON APPLICATION. SEE SPECIFICATION.

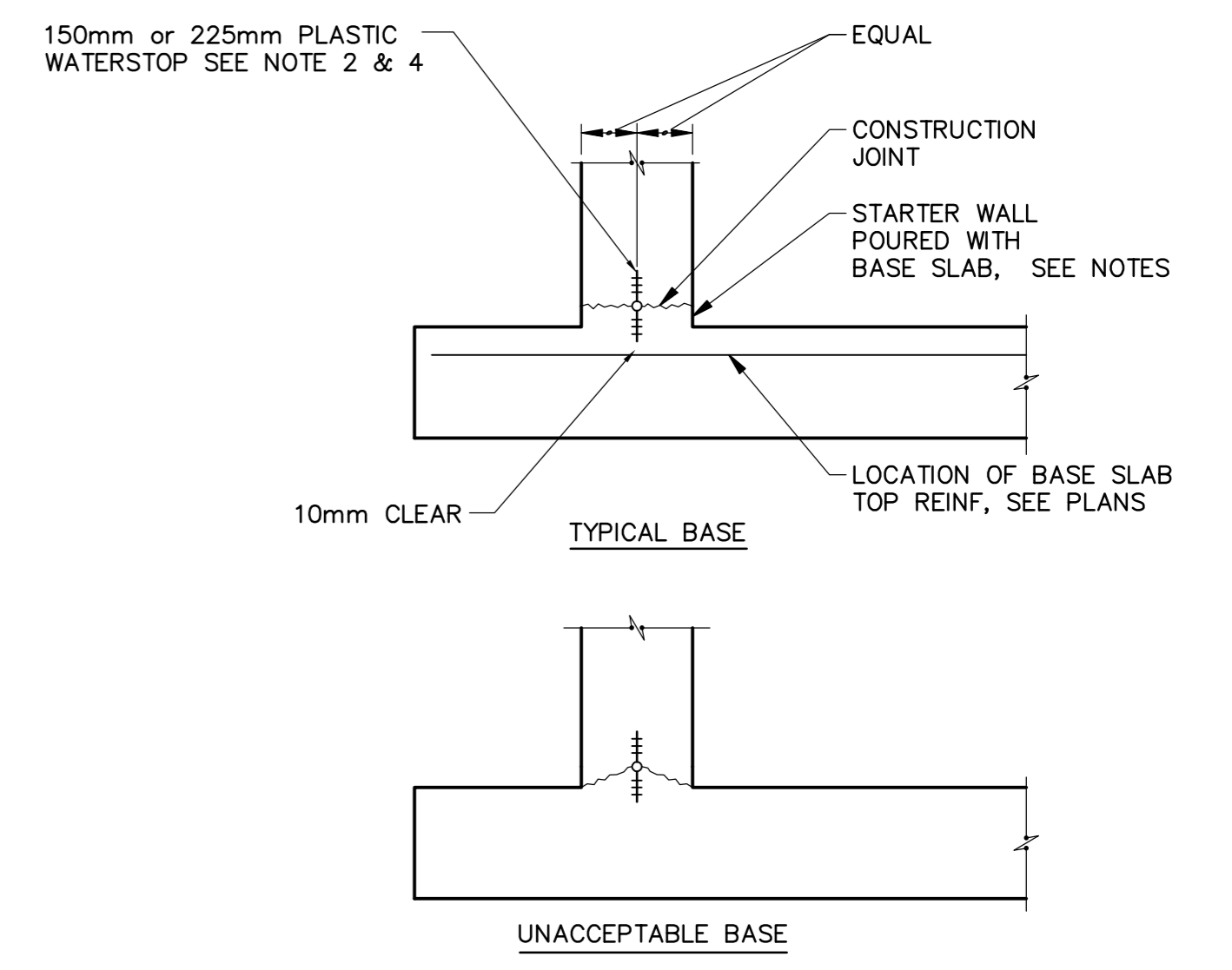
1 WALL CONSTRUCTION JOINT SPACING  
N.T.S.



PLAN

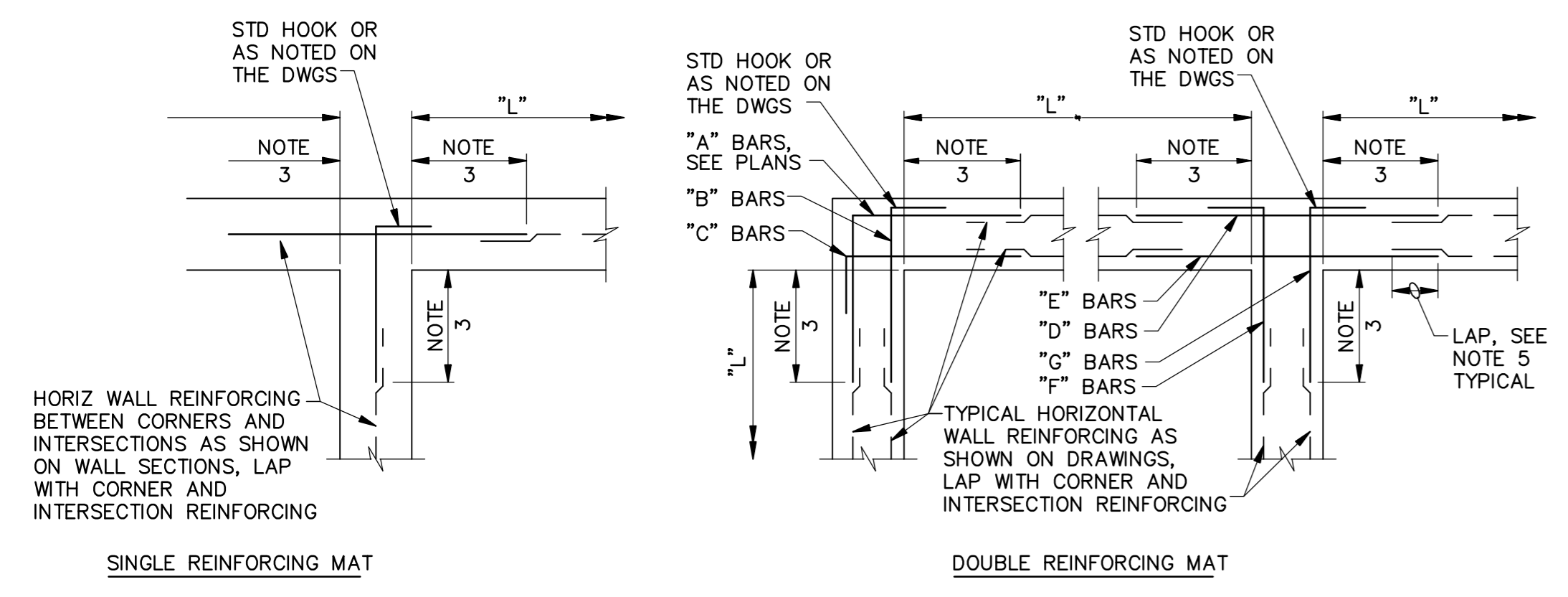
- NOTES:
- ALL REINFORCING CONTINUOUS ACROSS JOINT.
  - FOR LOCATIONS, SEE 1
  - FOR SIZE/ PROPERTIES OF WATER STOPS, SEE 1 WB-S0446

2 WALL VERTICAL CONSTRUCTION JOINT  
N.T.S.



- NOTES:
- STARTER WALL REQUIRED FOR ALL CONSTRUCTION JOINTS WITH WATERSTOPS, UNLESS SPECIFICALLY INDICATED OTHERWISE.
  - FOR WALLS W/SINGLE MAT OF REINFORCING LOCATE WATERSTOP ON LIQUID FACE, 25mm CLEAR OF REINFORCING.
  - SECURE WATERSTOP IN-PLACE AS SPECIFIED.
  - FOR SIZE/ PROPERTIES OF WATERSTOPS, SEE DETAIL 1 WB-S0446
  - HEIGHT OF STARTER WALL TO PROVIDE 10mm CLEARANCE BETWEEN U/S OF WS & TOP OF REBAR.

3 WALL BASE CONSTRUCTION JOINT  
N.T.S.



TYPICAL HORIZONTAL WALL CORNER AND INTERSECTION REINFORCING LAYOUT IS SHOWN TO AVOID CONGESTION AND PERMIT PROPER PLACEMENT, FOR SIZE AND SPACING SEE PLANS. ALL HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS SHALL BE FABRICATED AND INSTALLED WITH SPLICES LOCATED WHERE SHOWN REGARDLESS OF BAR SIZE AND SPACING.

WHERE THE CORNER OR INTERSECTION REINFORCING SIZE AND SPACING IS NOT SHOWN, NOTED OR TABULATED ON THE PLANS, THE SIZE AND SPACING SHALL BE THE SAME AS THE WALL HORIZONTAL REINFORCING SHOWN ON THE WALL SECTIONS OR AS NOTED FOR THE REINFORCING BETWEEN THE CORNERS OR INTERSECTIONS.

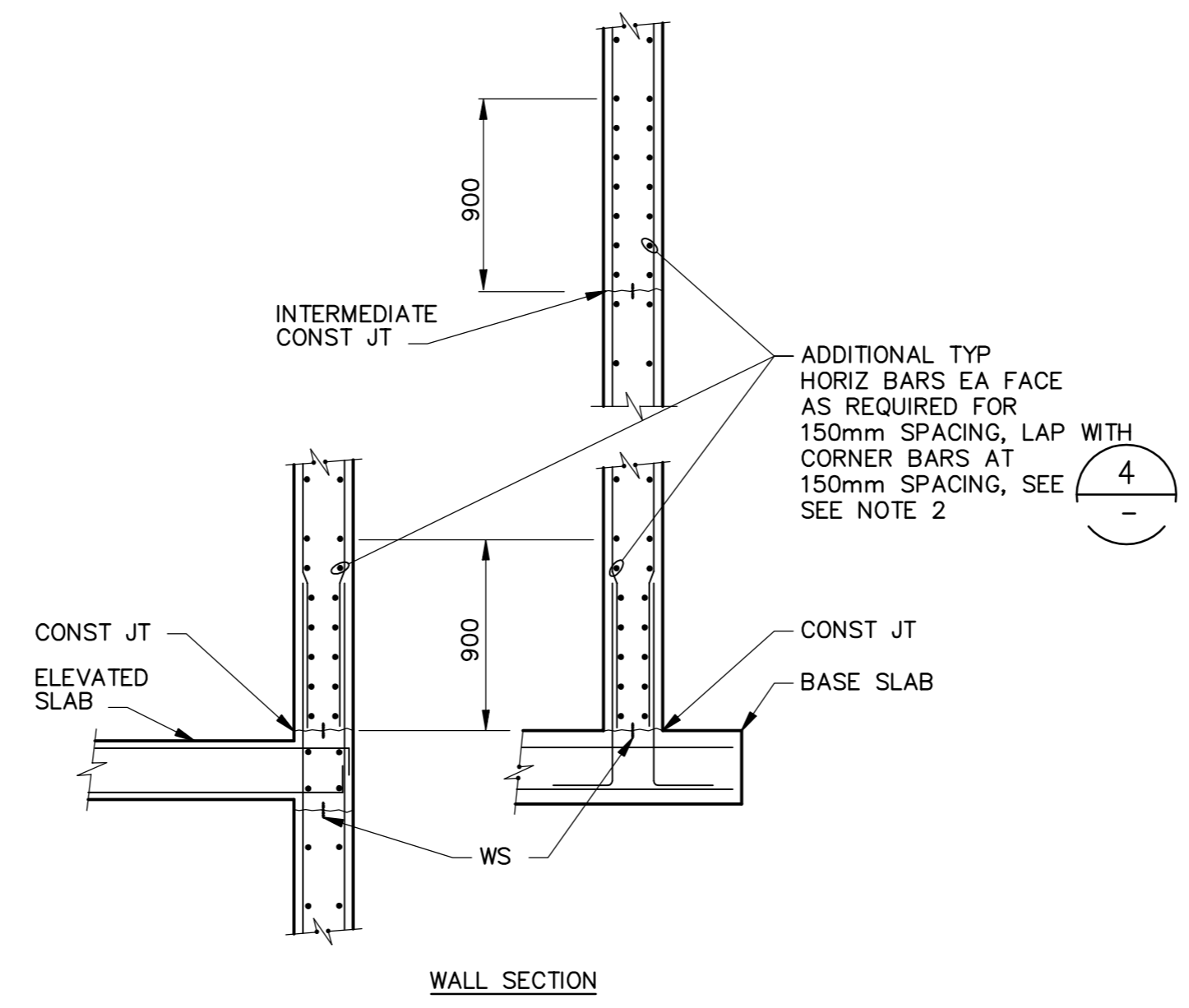
EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS, THE LENGTH INDICATED AS "NOTE 3" SHALL BE THE LESSER OF L/4, 3000mm, OR 1.0 TIMES THE HEIGHT OF THE WALL, EXCEPT THAT IN NO CASE SHALL IT BE LESS THAN 600mm.

L = LENGTH OF WALL PARALLEL TO THE BAR LENGTH IN QUESTION.

EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS, THE LENGTH INDICATED AS "NOTE 5" SHALL BE EQUAL TO ONE "LAP LENGTH" AS REQUIRED BY THE GENERAL STRUCTURAL NOTES. USE THE LAP LENGTH AS REQUIRED FOR THE SMALLER OF THE TWO REINFORCING BARS BEING SPLICED.

UNLESS OTHERWISE NOTED, "B" AND "C" BARS ARE THE SAME SIZE AND SPACING AND, "F" AND "G" BARS ARE THE SAME SIZE AND SPACING.

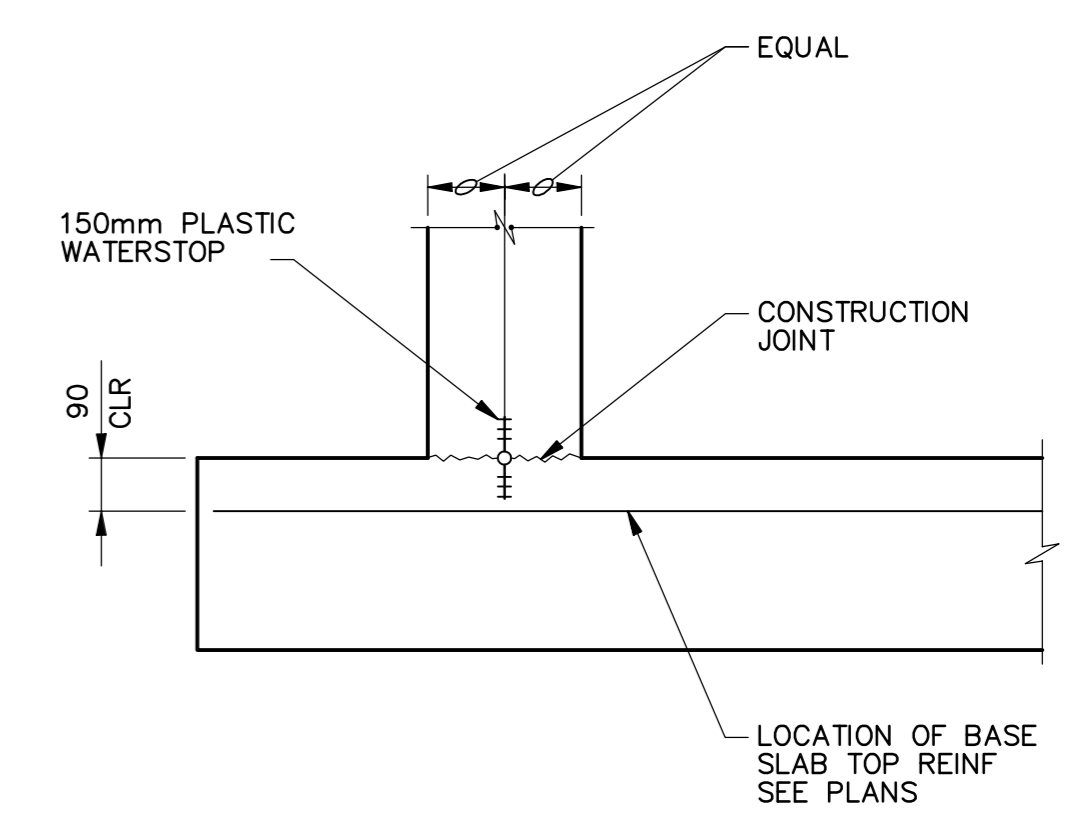
4 TYPICAL WALL CORNER AND INTERSECTION REINFORCING  
N.T.S.



WALL SECTION

- NOTES:
- PROVIDE ADDITIONAL HORIZONTAL BARS AS SHOWN IN THE FIRST 900mm ABOVE ALL HORIZONTAL WALL CONSTRUCTION JOINTS IN HYDRAULIC AND BELOW-GRADE STRUCTURES.
  - PROVIDE ADDITIONAL HORIZONTAL CORNER BARS EA. FACE AS REQUIRED FOR 150mm SPACING TO LAP WITH THE ADDITIONAL TYPICAL HORIZONTAL BARS SHOWN.

5 ADDITIONAL REINFORCING AT HORIZ CONSTRUCTION JOINT  
N.T.S.



- NOTES:
- FOR WALLS WITH SINGLE MAT OF REINFORCING LOCATE WATERSTOP ON LIQUID FACE, 25mm CLEAR OF REINFORCEMENT.
  - SECURE WATERSTOP IN-PLACE AS SPECIFIED.
  - USE THIS DETAIL ONLY WHERE NOTED. USE 3 UNLESS NOTED OTHERWISE.

6 WALL BASE CONSTRUCTION JOINT  
N.T.S.

<p>Certificate of Authorization CH2M Hill Canada Limited (ON) No. 1441 Expiry: April 30, 2006</p>	B.M. ELEV.	<p>Frederickson Cooper ARCHITECTS</p>	<p>A Tyco International Ltd. Company</p>	ENGINEER'S SEAL	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p>		
				DESIGNED BY: DK		CHECKED BY: AP	ORIGINAL SIGNED BY: D. KRUGER
				DRAWN BY: EK		APPROVED BY: DJT	2005/10/28
				SCALE: NTS		RELEASED FOR CONSTRUCTION BY: R. SOROKOWSKI	CONSULTANT DRAWING NO. WB-S0442
	00 ISSUED FOR TENDER 05/10/28 DK	DATE: 2005/10/24	DATE: 2005/10/28		<p>WATER TREATMENT PLANT</p> <p>FOUNDATIONS AND CONCRETE STRUCTURES 1</p> <p>STRUCTURAL</p> <p>STANDARD DETAILS</p>		
	NO. REVISIONS	DATE	DATE		<p>CITY FILE NUMBER</p> <p>SHEET OF</p> <p>CITY DRAWING NUMBER</p> <p>1-060B-D-60442-001-00D</p>		