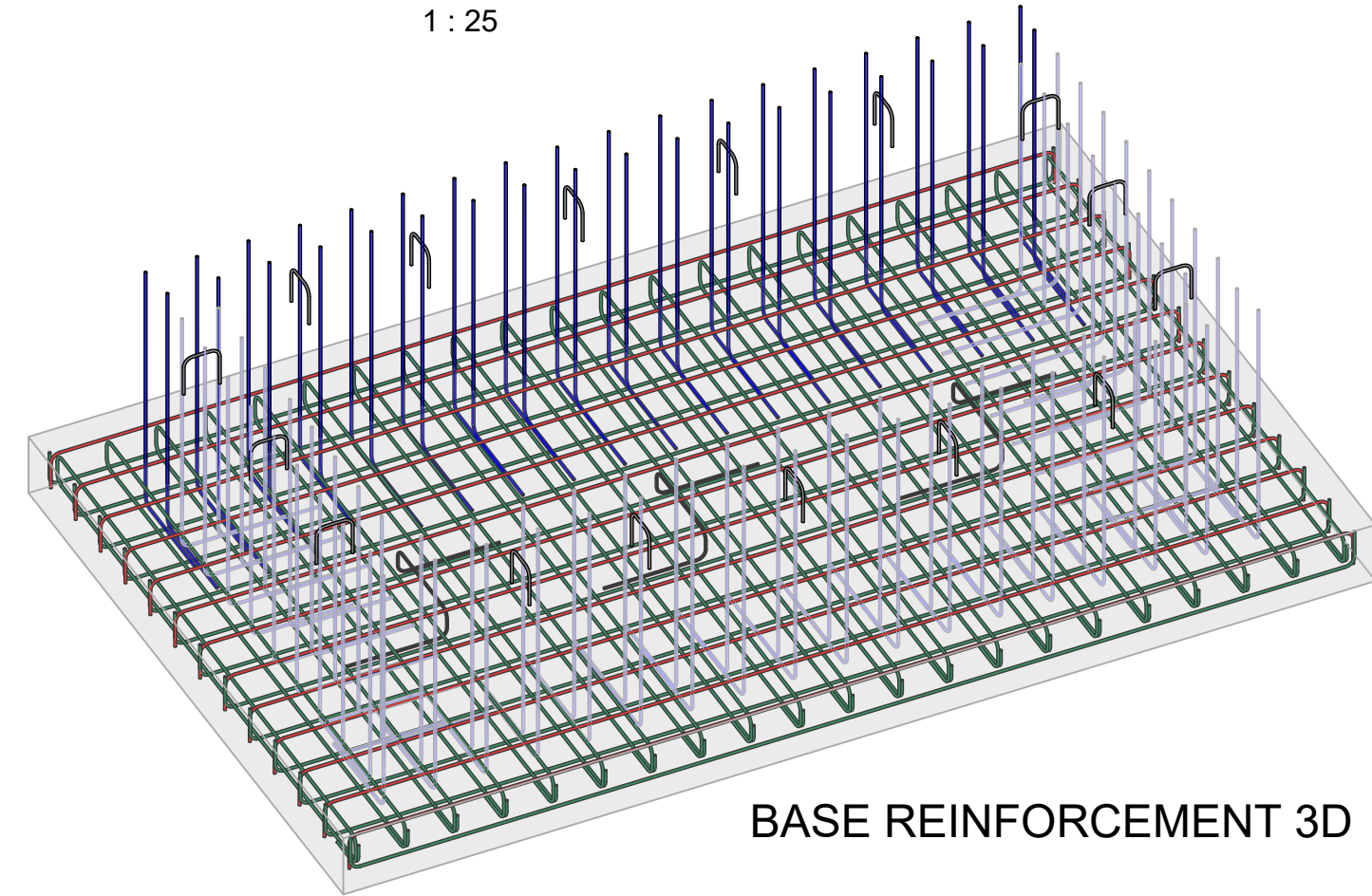
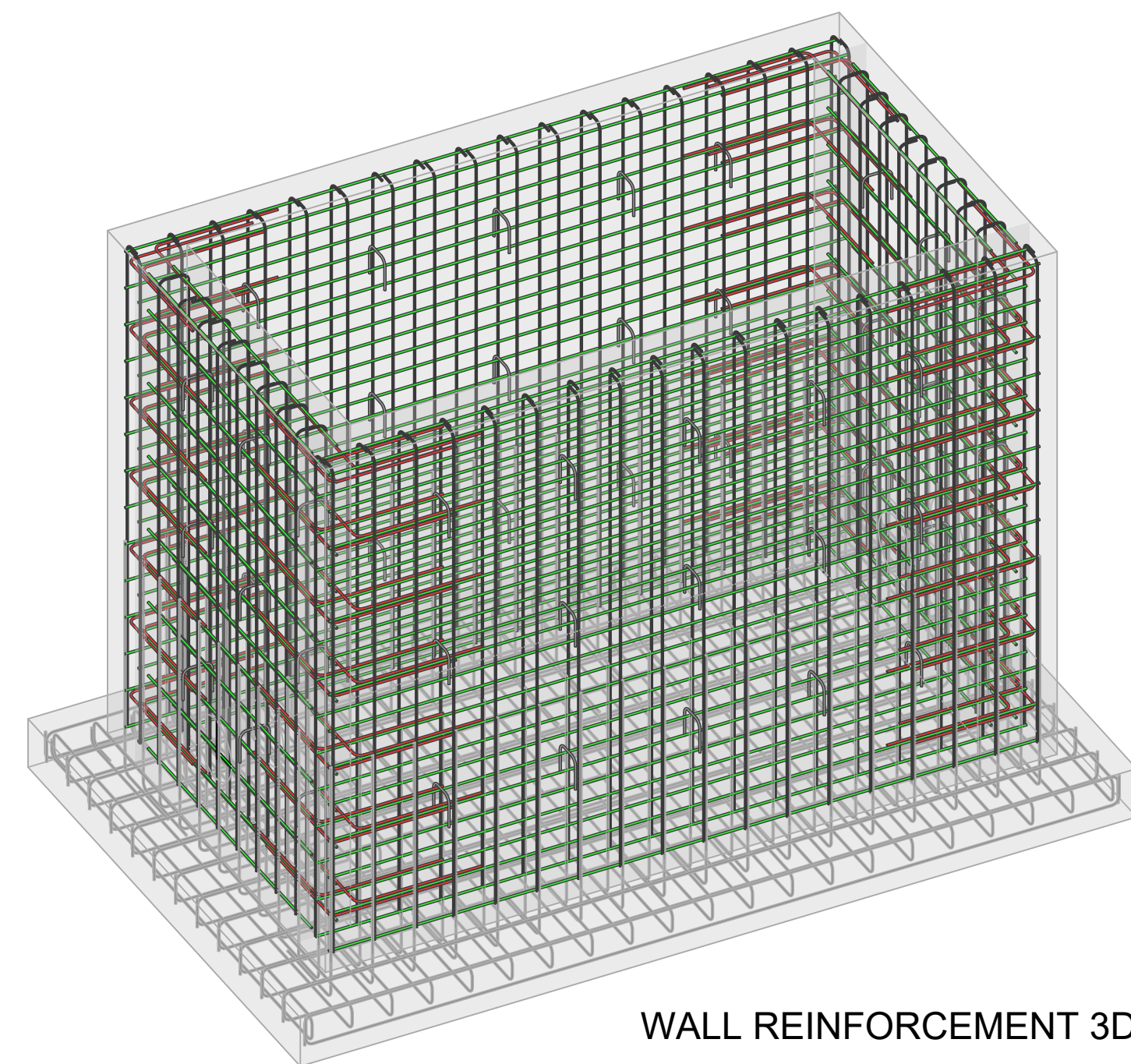


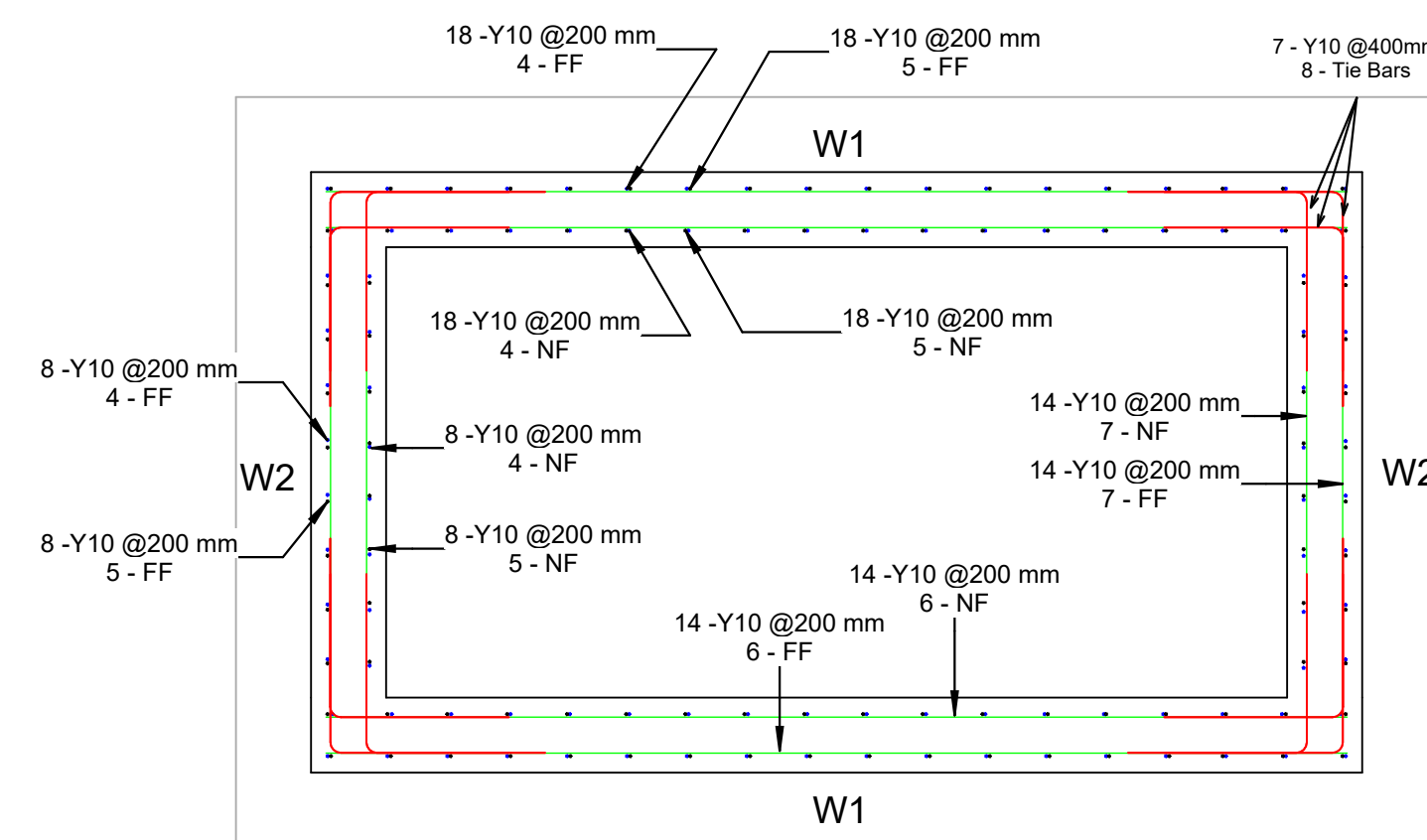
BASE REINFORCEMENT DETAILS



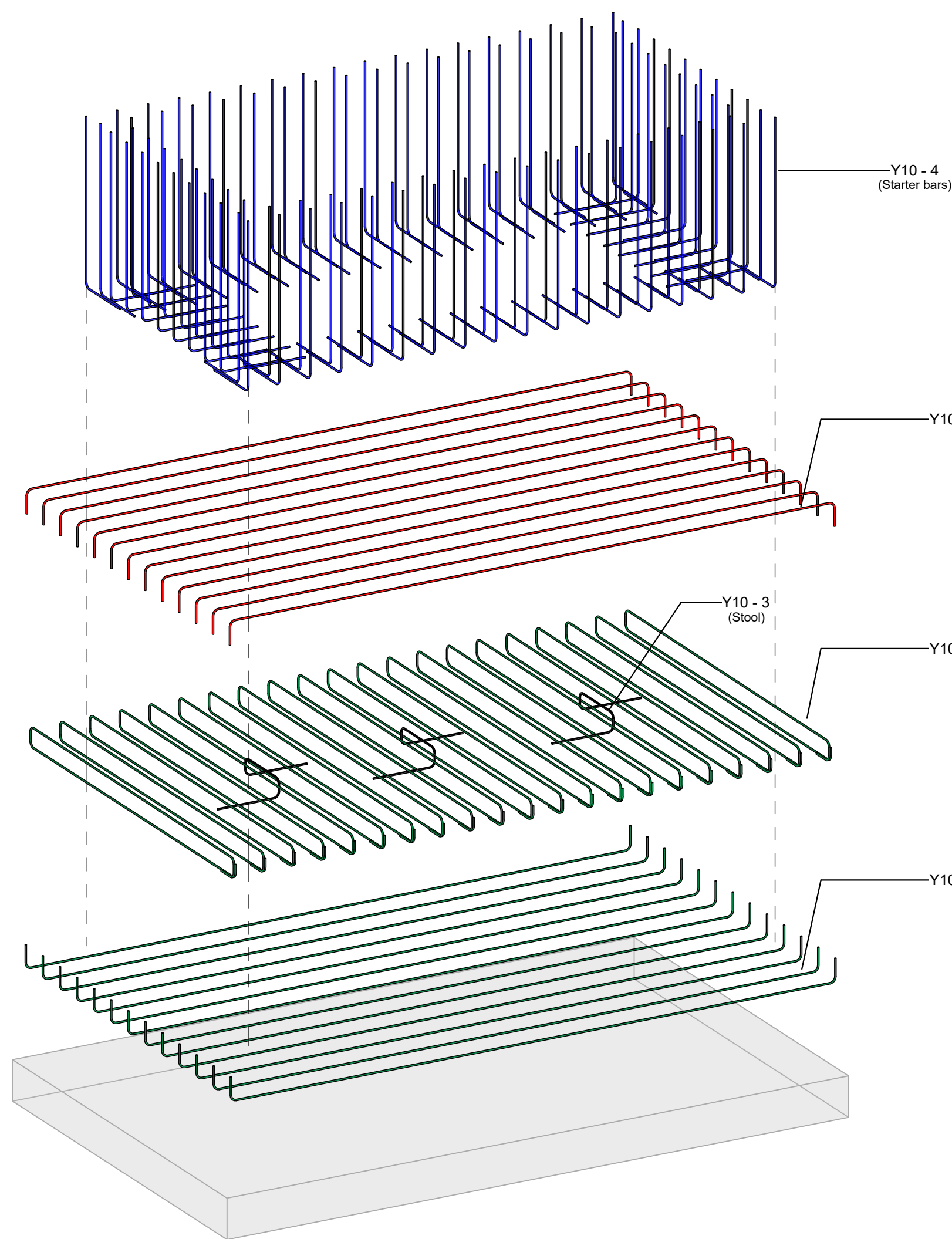
BASE REINFORCEMENT 3D



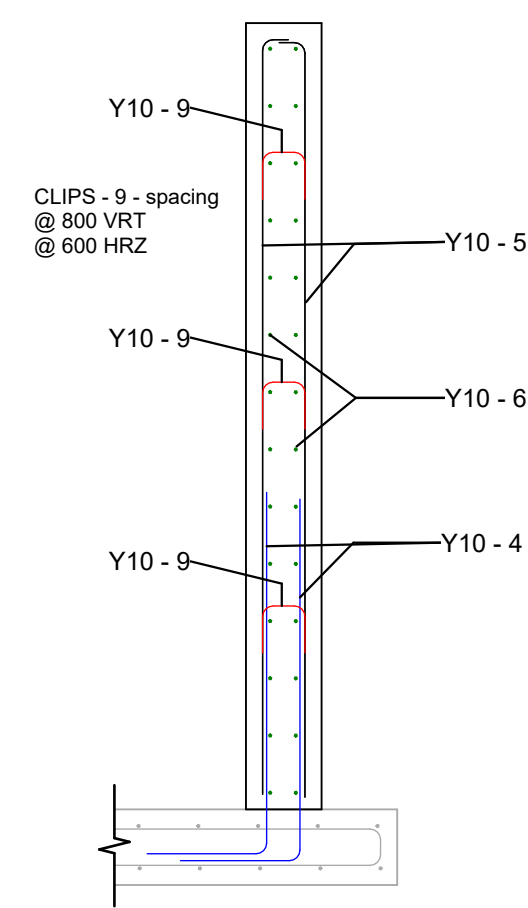
WALL REINFORCEMENT 3D



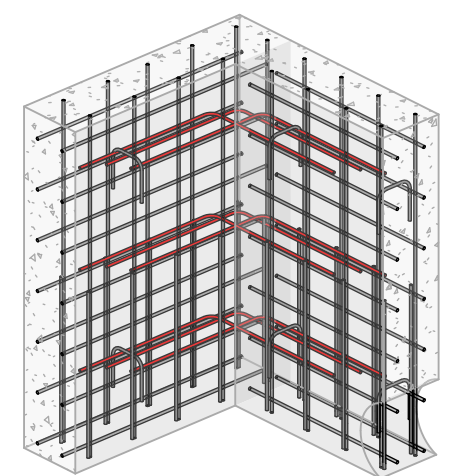
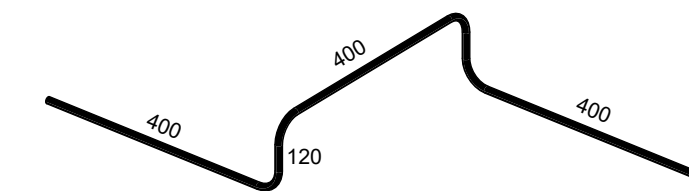
WALL REINFORCEMENT DETAILS
1 : 25



BASE REINFORCEMENT - EXPLODED 3D



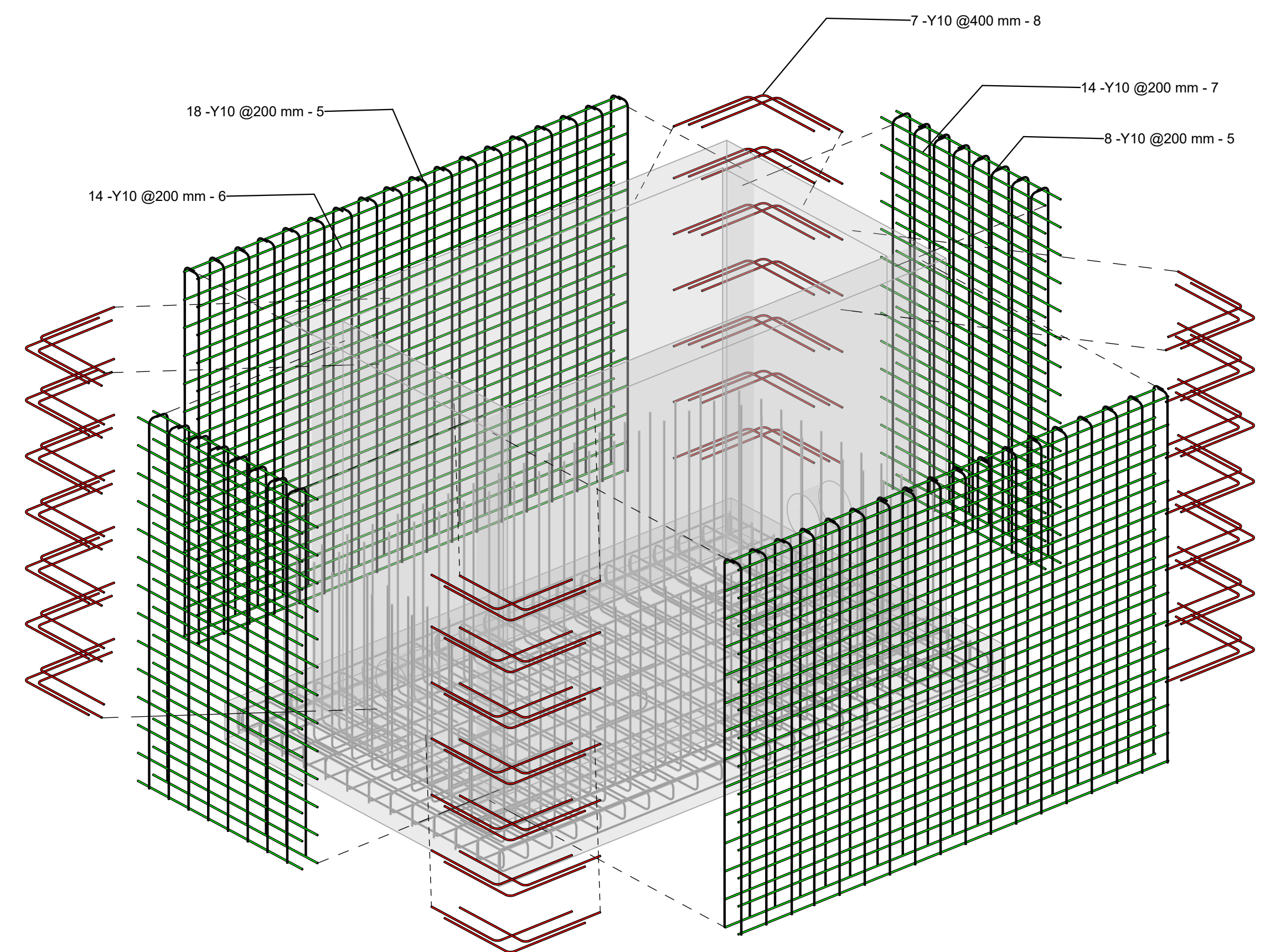
TYPICAL SECTION - WALL REINFORCEMENT
1 : 25



Tie Bar Detail

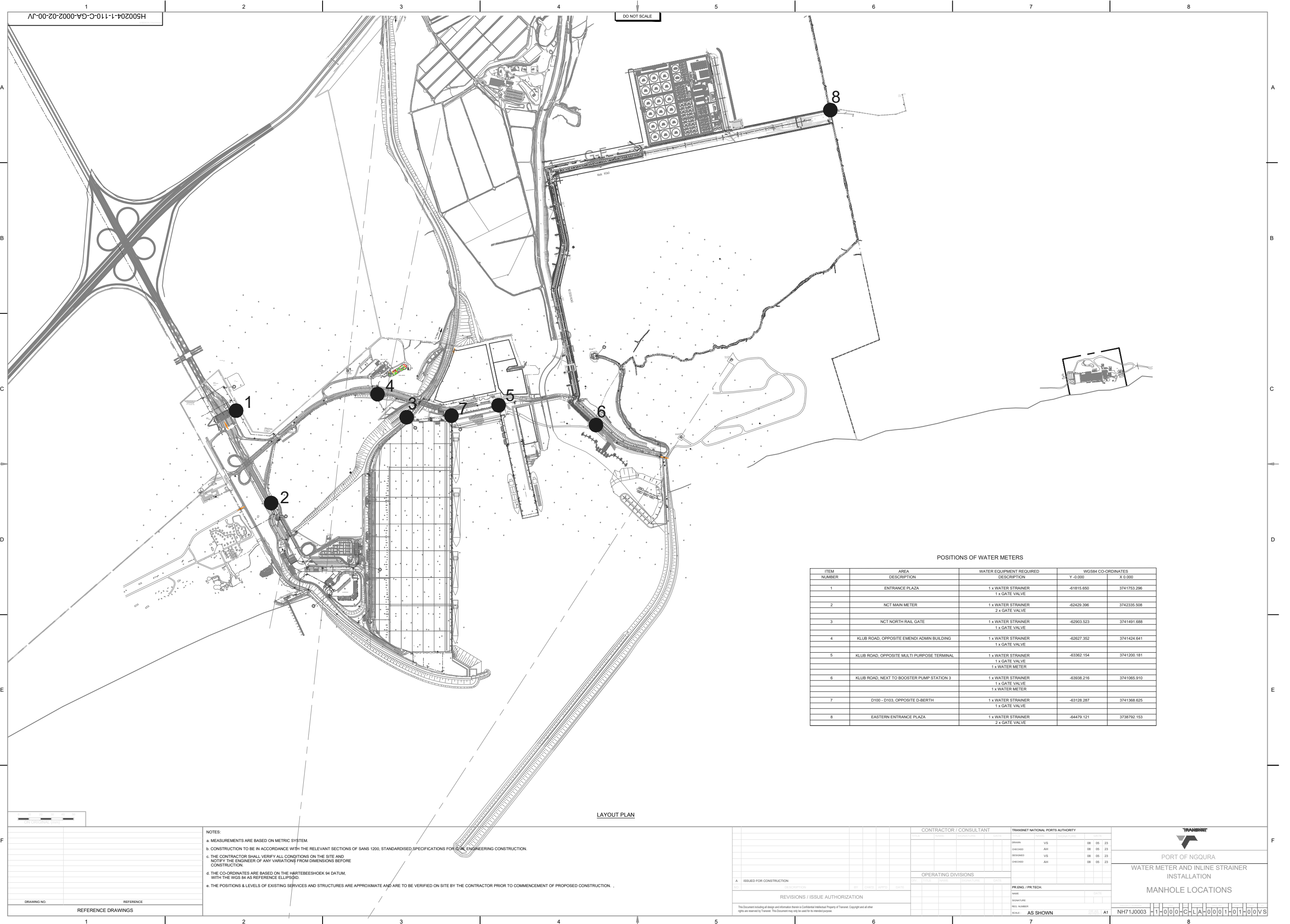
MH WALL & BASE BBS											
Member	Bar Mark	No. of bars per member	Total Number	Type and Size	Bar Length	Shape Code	A	B	C	D	E
MH Base	1	21	42	Y10	5175	60	130	2400	0	0	0
MH Base	2	26	52	Y10	4150	35	3900	0	0	0	0
MHW	4	104	208	Y10	1575	37	1200	400	0	0	0
MHW	5	104	208	Y10	2565	34	2500	0	0	0	0
MHW	6	56	112	Y10	3400	20	3400	0	0	0	0
MHW	7	56	112	Y10	1500	20	1500	0	0	0	0
MHW	8	84	168	Y10	1175	37	600	600	0	0	0
MHW	9	48	96	Y10	420	35	150	0	0	0	0

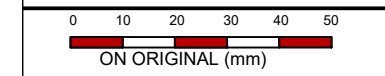
STOOL BBS											
Member	Bar Mark	No. of bars per member	Total Number	Type and Size	Bar Length	Shape Code	A	B	C	D	E
MH Base	3	3	6	Y10	1340	98	400	120	400	400	0



WALL REINFORCEMENT - EXPLODED 3D

[illegible]





NOTES:

- a. MEASUREMENTS ARE BASED ON METRIC SYSTEM.
- b. ALL LEVELS ARE IN METRES TO MEAN SEA LEVEL (MSL) WHICH IS 1,026m ABOVE CHART DATUM (PORT)
- c. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE SITE AND NOTIFY THE ENGINEER OF ANY VARIATIONS FROM DIMENSIONS BEFORE CONSTRUCTION.
- d. THE CO-ORDINATES ARE BASED ON THE HARTBEESHOEK 94 DATUM, WITH THE WGS 84 AS REFERENCE ELLIPSOID.

				EPM CONSULTANT				TRANSET PROJECTS				ORIGINATOR					
TITLE		NAME		SIGNATURE		DATE		TITLE		NAME		SIGNATURE		DATE			
HEAD DES. ENG.								DRAWN		W. GARNER				02 11 09			
HAC COORD								CHECKED		P. SMITH				03 11 09			
ENGL MANAGER								DESIGNED									
AREA MANAGER								RECHECKED									
PROJECT MANAGER		10-12-01		PROJECT MANAGER				ENG COORD		P. SMITH				03 11 09			
DIVISION		10-03-31		DIVISION				ENG MANAGER		C. DICKSON				03 11 09			
AREA MANAGER		09-10-29		AREA MANAGER				AREA MANAGER									
DESCRIPTION				BY		CHKD		APPD		DATE		PRELNG / PR. TECH.					
REVISIONS / ISSUE AUTHORIZATION												NAME		C. DICKSON		DATE	
DRAWING NO.												DRAWING NO.		03 11 09			
PRJ. NUMBER												PRJ. NUMBER		870505			
SCALE												SCALE		AS SHOWN		03 11 09	

																													
PORT OF NGQURA - SHORE SIDE INFRASTRUCTURE																													
MULTIPLE SERVICES																													
WATER ROUTE																													
GENERAL ARRANGEMENT																													
<table> <tr> <th>PROJECT NUMBER</th> <th>DV</th> <th>FEB</th> <th>DIL</th> <th>TYPE</th> <th>ORD NO</th> <th>SHT</th> <th>REV</th> <th>DI</th> </tr> <tr> <td>H500204</td> <td>1</td> <td>110</td> <td>C</td> <td>GA</td> <td>0002</td> <td>03</td> <td>01</td> <td>U</td> </tr> </table>												PROJECT NUMBER	DV	FEB	DIL	TYPE	ORD NO	SHT	REV	DI	H500204	1	110	C	GA	0002	03	01	U
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H500204	1	110	C	GA	0002	03	01	U																					