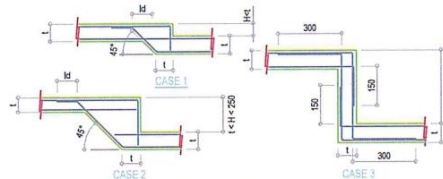


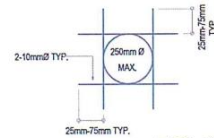
1
DEPRESSED SLAB & SLAB EDGE DETAILS

S-2 SCALE NTS



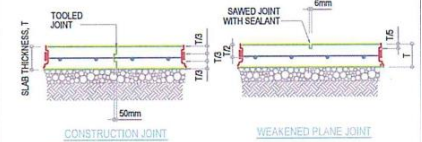
2
TYP. REBAR DETAIL OF DEPRESSED/SUSPENDED SLAB FOR DIFF. ELEV.

S-2 SCALE NTS



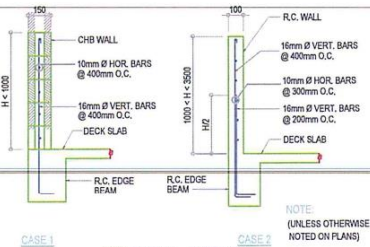
3
TYP. PIPE SLEEVE OPENING FOR SLABS

S-2 SCALE NTS



4
CONTROL JOINTS FOR SLAB-ON GRADE

S-2 SCALE NTS



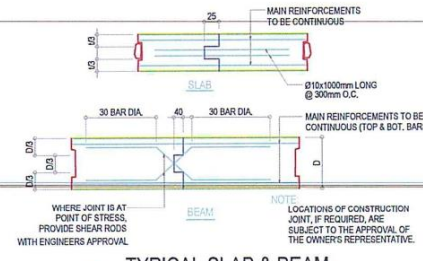
5
TYPICAL DETAIL SECTION OF PARAPET

S-2 SCALE NTS



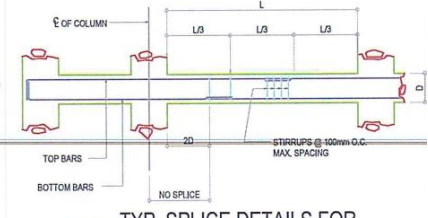
6
TYPICAL DETAIL OF STIFFENER BEAMS & COLUMNS

S-2 SCALE NTS



7
TYPICAL SLAB & BEAM CONSTRUCTION JOINT DET.

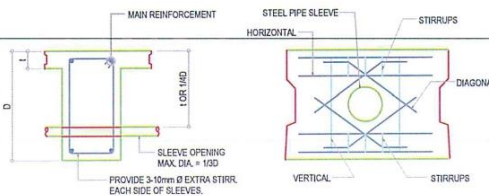
S-2 SCALE NTS



8
TYP. SPLICE DETAILS FOR BEAMS FRAMING INTO COLUMN

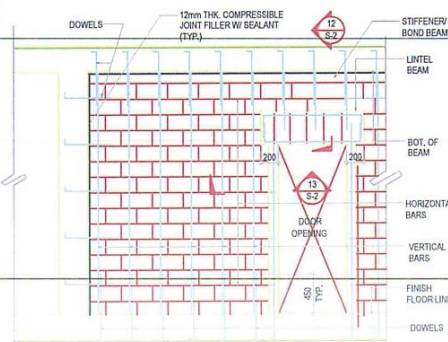
S-2 SCALE NTS

LINTEL IN BLOCK WALLS (SAME THICKNESS AS CMU)						
CLEAR SPAN L (mm)	LENGTH (mm)	MIN. f _c Mpa	HEIGHT OF LINTEL BEAM (mm)	REINFORCEMENT		STIRRUPS
				BOTTOM	TOP	
1200	1800	13.8	200	2-10mm Ø	2-10mm Ø	10mm Ø @ 200
1500	2100	13.8	225	2-12mm Ø	2-12mm Ø	10mm Ø @ 200
1800	2400	13.8	250	2-16mm Ø	2-16mm Ø	10mm Ø @ 200
2100	2700	17.2	250	2-16mm Ø	2-16mm Ø	10mm Ø @ 200
2400	3000	17.2	300	2-16mm Ø	2-16mm Ø	10mm Ø @ 200
2700	3300	17.2	300	2-16mm Ø	2-16mm Ø	10mm Ø @ 200
3000	3600	17.2	350	3-16mm Ø	2-16mm Ø	10mm Ø @ 200
3300	4100	17.2	400	3-16mm Ø	2-16mm Ø	10mm Ø @ 200
3600	4400	17.2	450	4-16mm Ø	2-16mm Ø	10mm Ø @ 200



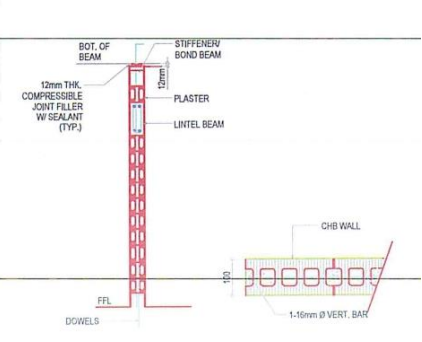
9
REINFORCING BAR FOR SLEEVE

OPENING DIAMETER	REINFORCING BARS			STIRRUP
	DIAGONAL	VERTICAL	HORIZONTAL	
Ø ≤ 100	2-12mm Ø	2-12mm Ø		
150 ≤ Ø ≤ 100	2-16mm Ø	2-16mm Ø	2-16mm Ø	12mm Ø - 50mm Ø
200 ≤ Ø ≤ 150	2-20mm Ø	2-16mm Ø	2-16mm Ø	12mm Ø - 50mm Ø



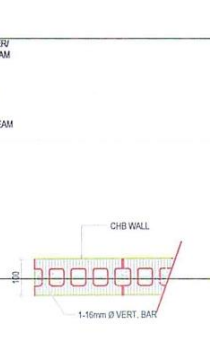
10
TYPICAL CHR WALL ELEVATION

S-2 SCALE NTS



11
SECTION

S-2 SCALE NTS



12
SECTION

S-2 SCALE NTS

11
REIN. CONCRETE LINTEL BEAM IN CHB WALLS

S-2 SCALE NTS

12
TYPICAL DETAIL FOR SLEEVES THRU CONCRETE BEAM

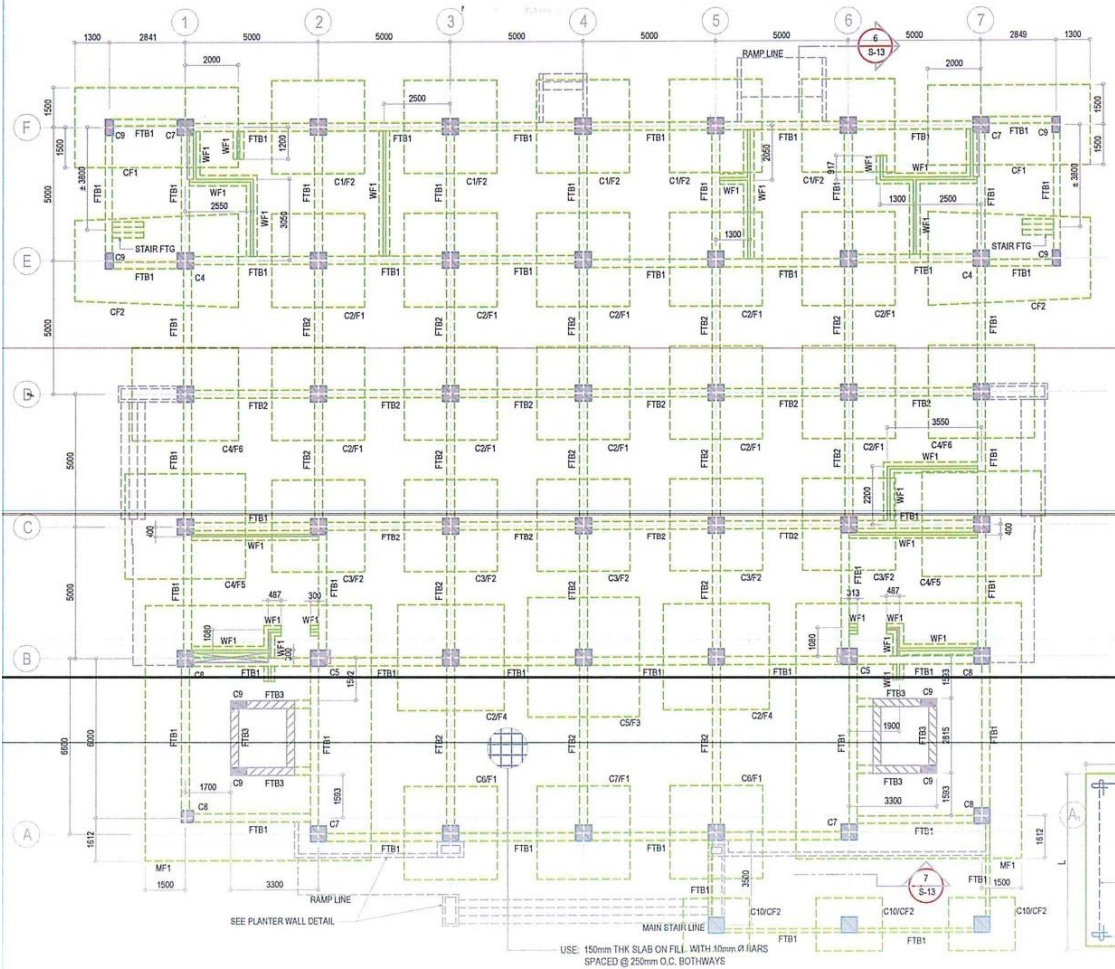
S-2 SCALE NTS

13
SECTION

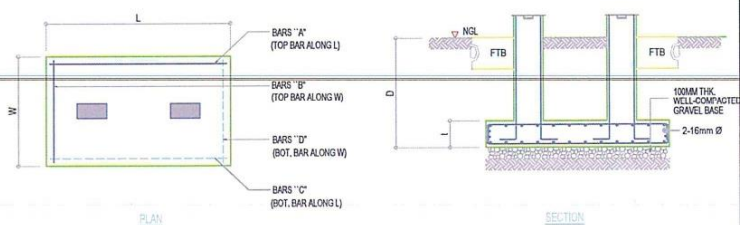
S-2 SCALE NTS

14
SECTION

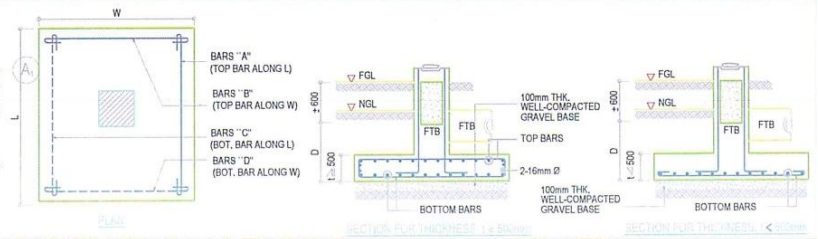
S-2 SCALE NTS



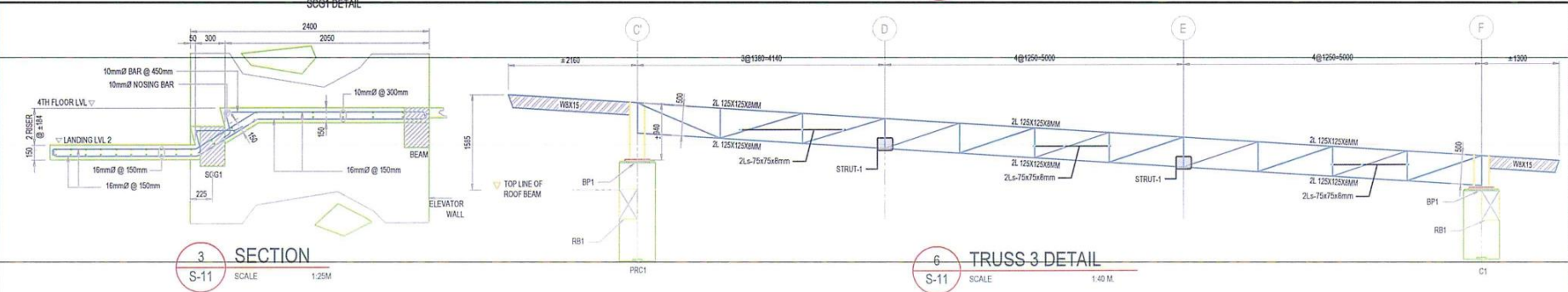
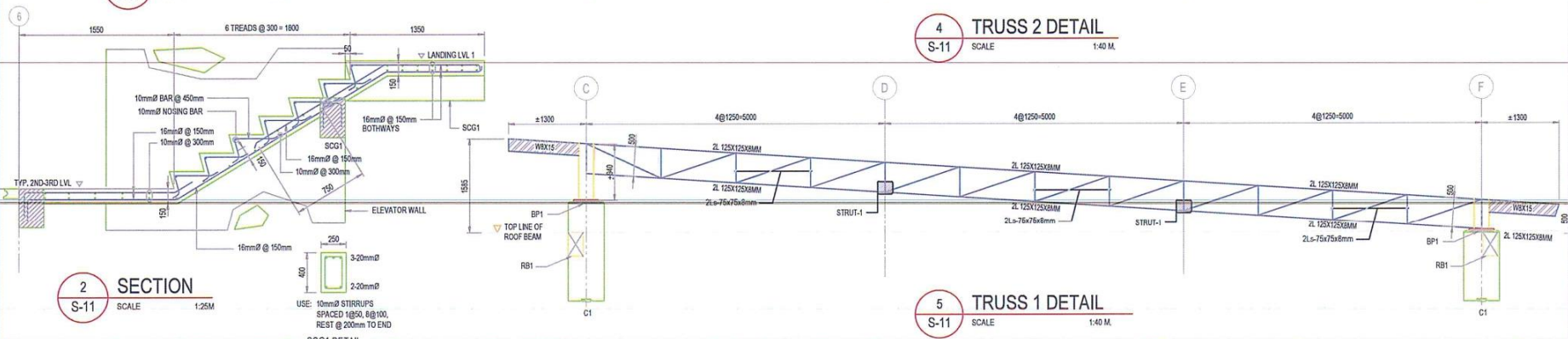
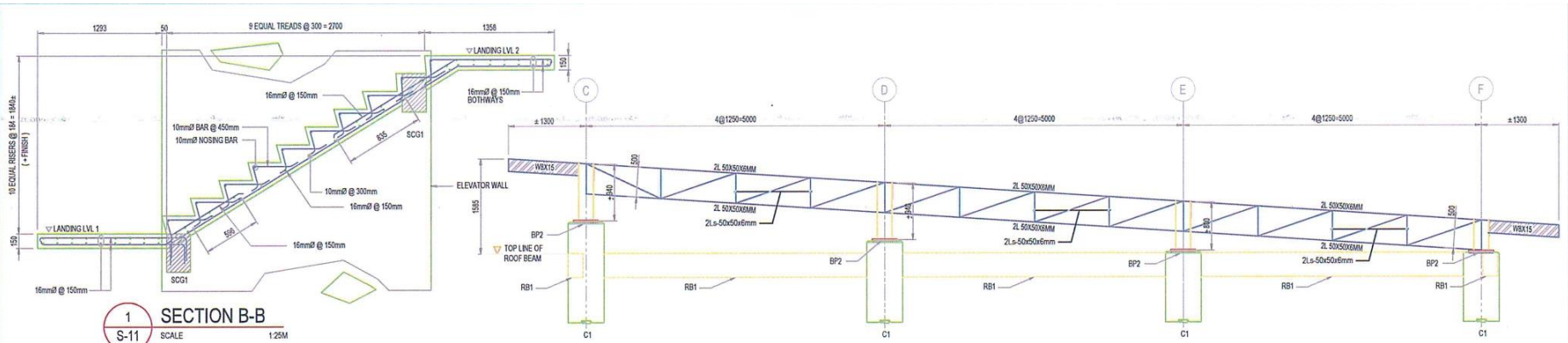
1 FOUNDATION PLAN
 S-3 SCALE 1:100M



2 TYPICAL COMBINED FOOTING DETAILS
 S-3 SCALE NTS

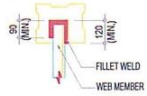


3 TYPICAL FOOTING DETAILS
 S-3 SCALE NTS

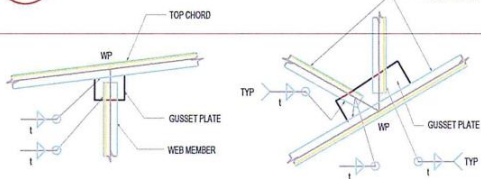


GUSSET PLATE THICKNESS (mm)	MEMBER THICKNESS (mm)	SIZE OF FILLET WELD, t (mm)
6	3.0	3.0
	5.0	3.0
10	6.0	4.5
	8.0	6.0

- NOTE
- GUSSET PLATE DIMENSION (WHERE REQ'D) SHALL BE DICTATED BY THE MINIMUM REQUIRED LENGTH OF WELD.
 - COLUMN JOINT GUSSET AND CONTINUITY PLATES SHALL HAVE 100% ULTRASONIC INSPECTION FOR DELAMINATION BEFORE AND AFTER WELDING.



1 SCHEDULE OF WELDS
SCALE NTS

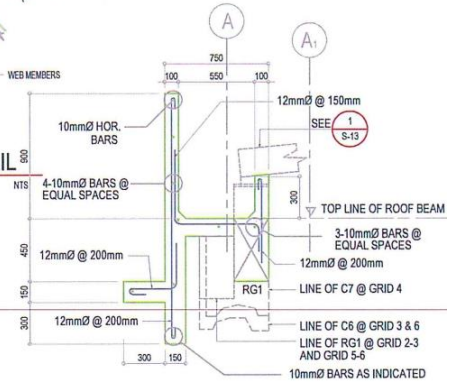


2 SECTION
S-12 SCALE NTS

3 TYPICAL PURLIN CONNECTION DETAIL
S-12 SCALE NTS

4 SECTION
S-12 SCALE NTS

5 DETAIL
S-12 SCALE NTS



16 GUTTER SECTION ROOF AT POCKET GARDEN
S-12 SCALE NTS

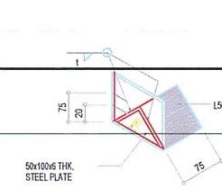
6 DETAIL
S-12 SCALE NTS

8 DETAIL
S-12 SCALE NTS

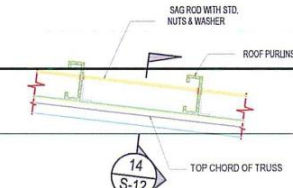
9 DETAIL
S-12 SCALE NTS

10 DETAIL
S-12 SCALE NTS

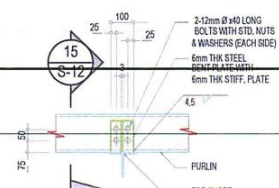
11 DETAIL
S-12 SCALE NTS



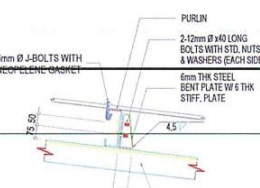
12 ANGULAR BUCKLE DETAIL
S-12 SCALE NTS



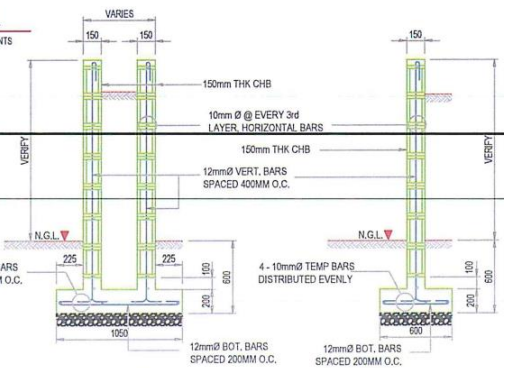
13 TYPICAL SAGROD CONNECTION DETAIL
S-12 SCALE NTS



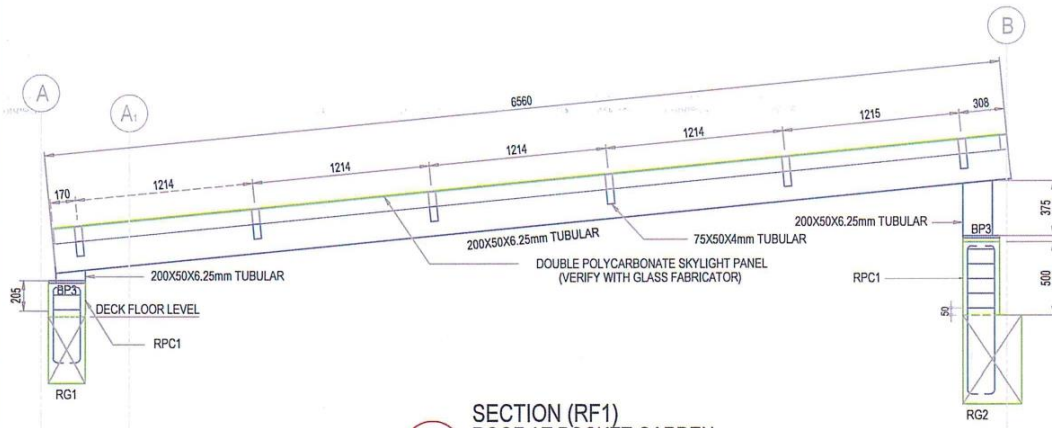
14 TYP. CANOPY PURLIN CONN. DETAIL
S-12 SCALE NTS



15 SECTION
S-12 SCALE NTS

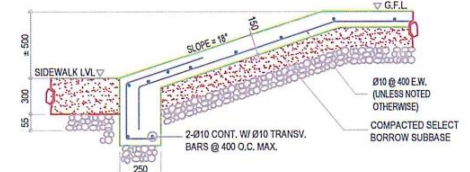


17 TYPICAL PLANTER DETAIL
S-12 SCALE NTS

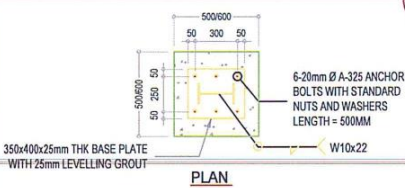


FLOOR LEVEL	RPC1
ROOF DECK	
TO	
APEX	
SIZE (mm)	
VERT. REINF.	8-16mm Ø
TIES	1 @ 50, REST @ 100MM O.C.

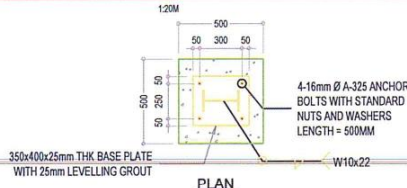
1 SECTION (RF1)
ROOF AT POCKET GARDEN
S-13 SCALE NTS



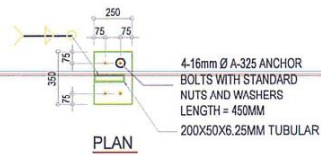
6 SECTION
RAMP AT BACK ENTRANCE
S-13 SCALE NTS



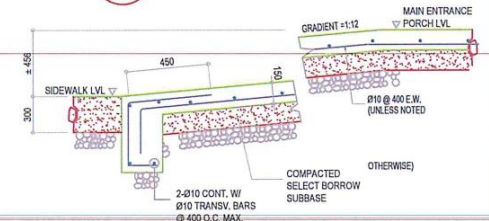
PLAN



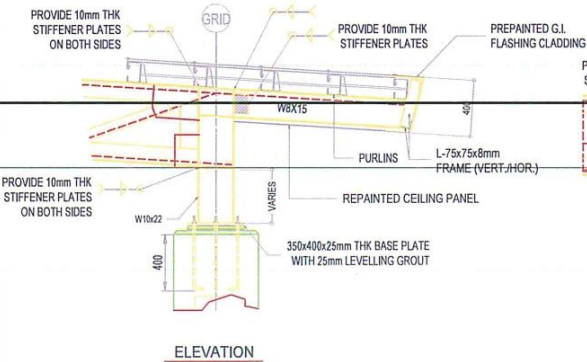
PLAN



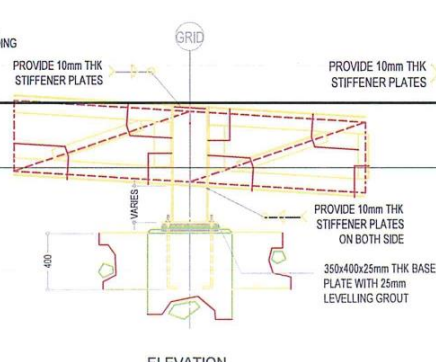
PLAN



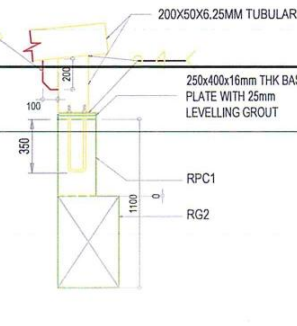
7 SECTION
RAMP AT MAIN ENTRANCE
S-13 SCALE NTS



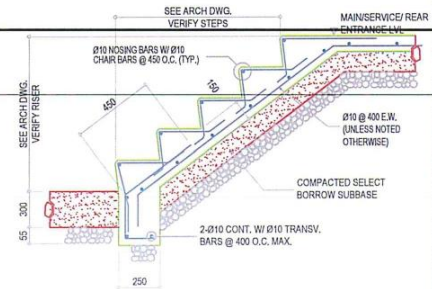
ELEVATION



ELEVATION



ELEVATION

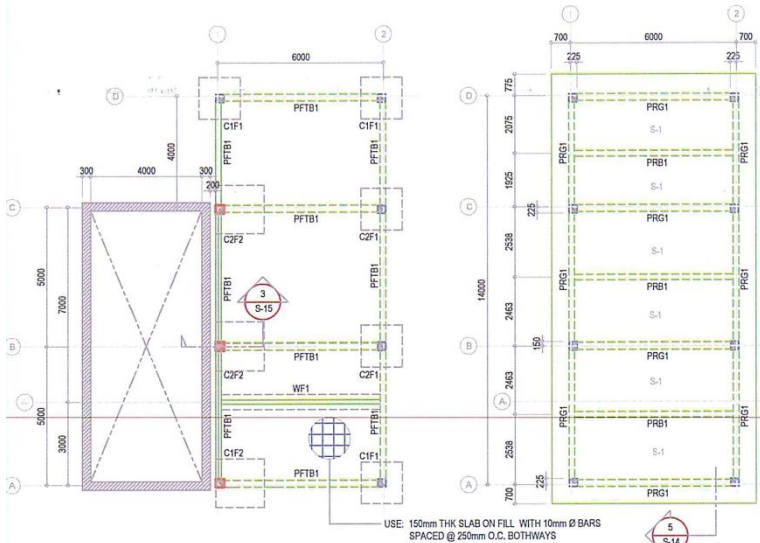


8 TYPICAL STAIR ON GRADE DETAIL
S-13 SCALE NTS

2 BASE PLATE DETAIL (BP-1)
S-13 SCALE NTS

3 BASE PLATE DETAIL (BP-2)
S-13 SCALE NTS

4 BASE PLATE DETAIL (BP-3)
S-13 SCALE NTS



POWERHOUSE & PUMP HOUSE FOUNDATION PLAN

POWER HOUSE & PUMP HOUSE ROOF FRAMING PLAN

SCHEDULE OF COLUMNS

COL. MARK	C1	C2
FLOOR LEVEL		
FOUNDATION TO SECOND FLOOR	3-SETS TIES	3-SETS TIES
SIZE (mm)	300x300	300x300
VERT. REINF.	12-20mm Ø	12-16mm Ø
TIES (a)	12mm Ø @ 100	12mm Ø @ 100
TIES (b)	12mm Ø @ 150	12mm Ø @ 150
CONFINEMENT (Y)	600	600

SCHEDULE OF BEAMS/FOOTING TIE BEAMS

MARK	SIZES (mm)	REINFORCING BARS				ARRANGEMENT			STIRRUPS SIZE SPACING	REMARKS
		AT SUPPORT		AT MID-SPAN		AT EXT. SUPP.	AT MID-SPAN	AT INT. SUPP.		
		TOP	BOTTOM	TOP	BOTTOM					
PFTB1	250x350	4-16mm Ø	4-16mm Ø	3-16mm Ø	3-16mm Ø				10mm Ø STIRRUPS 1@ 50mm, 6@ 100mm, REST@ 200mm O.C.	
PRG1	250x350	3-16mm Ø	2-16mm Ø	2-16mm Ø	3-16mm Ø				10mm Ø STIRRUPS 1@ 50mm, 6@ 100mm, REST@ 200mm O.C.	
PRB1	250x350	2-16mm Ø	2-16mm Ø	2-16mm Ø	3-16mm Ø				10mm Ø STIRRUPS 1@ 50mm, 6@ 100mm, REST@ 200mm O.C.	
CTB1	300x400	2-16mm Ø	2-16mm Ø	2-16mm Ø	3-16mm Ø				10mm Ø STIRRUPS 1@ 50mm, 6@ 100mm, REST@ 200mm O.C.	

SCHEDULE OF SLABS

FLOOR LEVEL	MARK	THICKNESS (mm)	BAR LOCATION	BAR DIA.	REINFORCING BARS				REMARKS
					SHORT SPAN		LONG SPAN		
					END	MIDDLE	END	MIDDLE	
ROOF DECK	S-1	100	TOP	Ø10	200	-	300	300	ONE-WAY
			BOT.	Ø10	300	200	300	300	
CISTERN TOP	CTS-1	150	TOP	Ø12	200	-	300	300	ONE-WAY
			BOT.	Ø12	300	200	300	300	

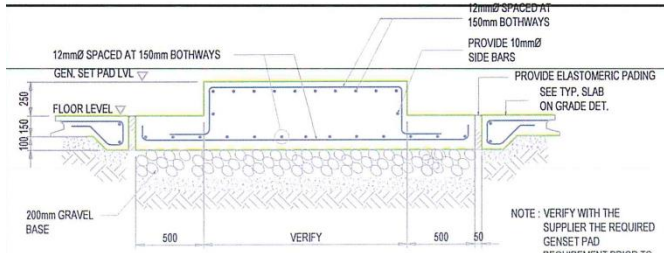
SCHEDULE OF FOOTINGS

MARK	D (DEPTH) (mm)	t (THICK) (mm)	L (LENGTH) (mm)	W (WIDTH) (mm)	REINFORCEMENT				REMARKS
					TOP		BOTTOM		
					"A"	"B"	"C"	"D"	
F1	1500	250	1500	1500			8-16mm Ø	8-16mm Ø	
F2	+3200	350	1750	1750			12-16mm Ø	12-16mm Ø	

1
S-14 SCALE 1:100M

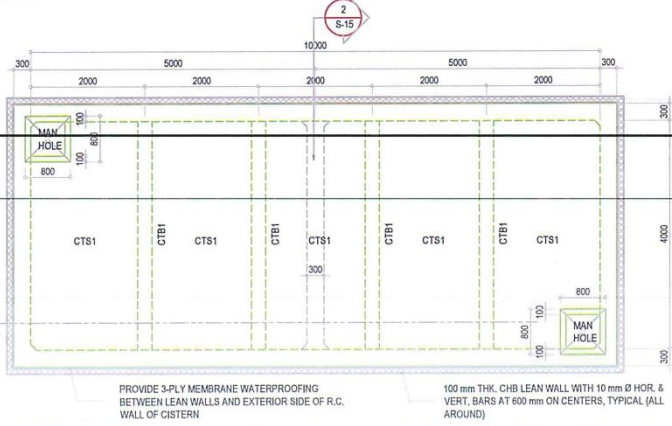
2
S-14 SCALE 1:100M

2
S-15



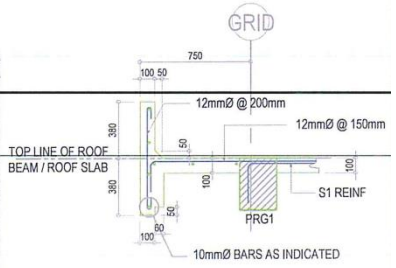
GENSET PAD TYP. PEDESTAL DETAIL

3
S-14 SCALE 1:20M



PLAN (TOP VIEW) CISTERN TANK DETAIL

4
S-14 SCALE 1:50M



POWERHOUSE TYP. PARAPET WALL DETAIL

5
S-14 SCALE 1:20M