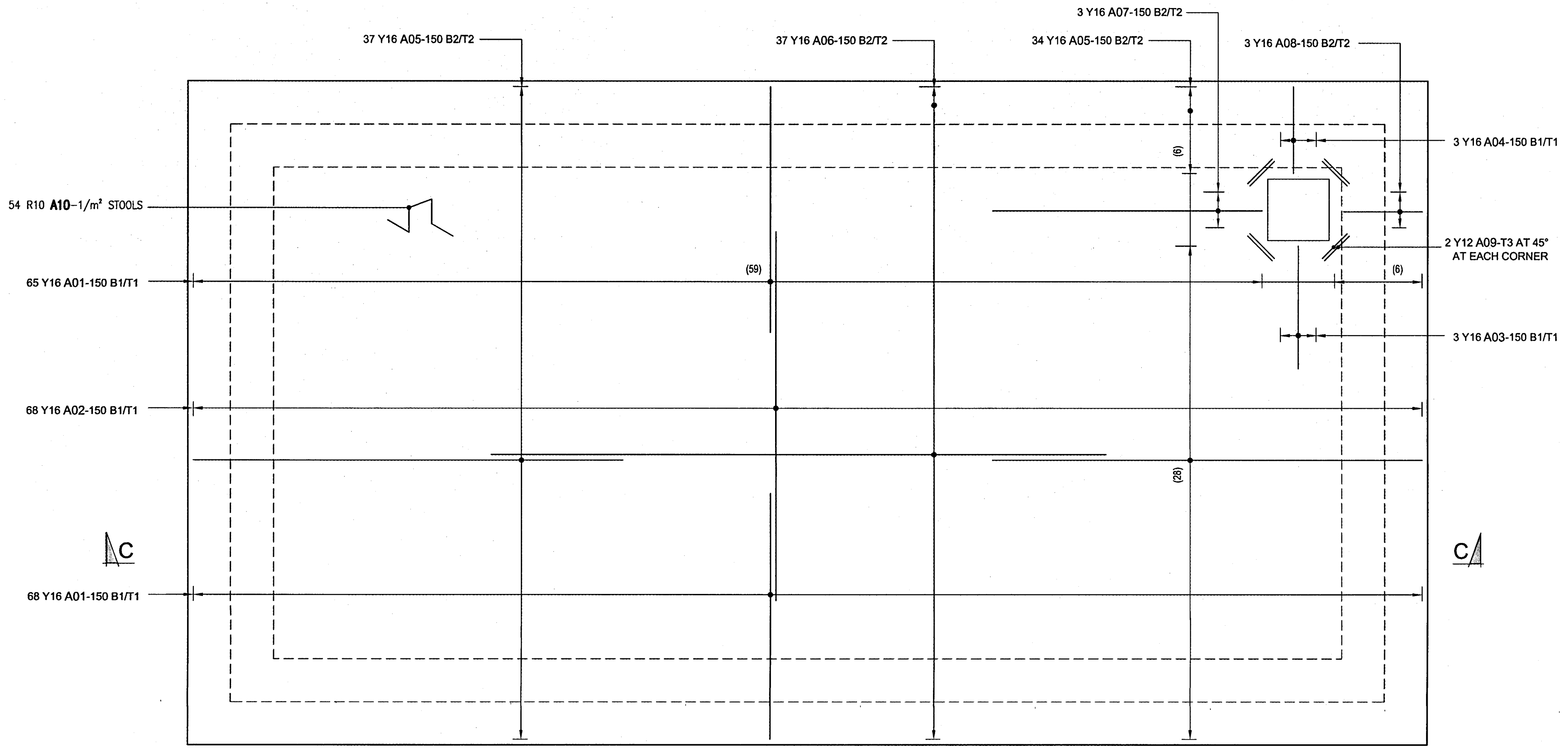
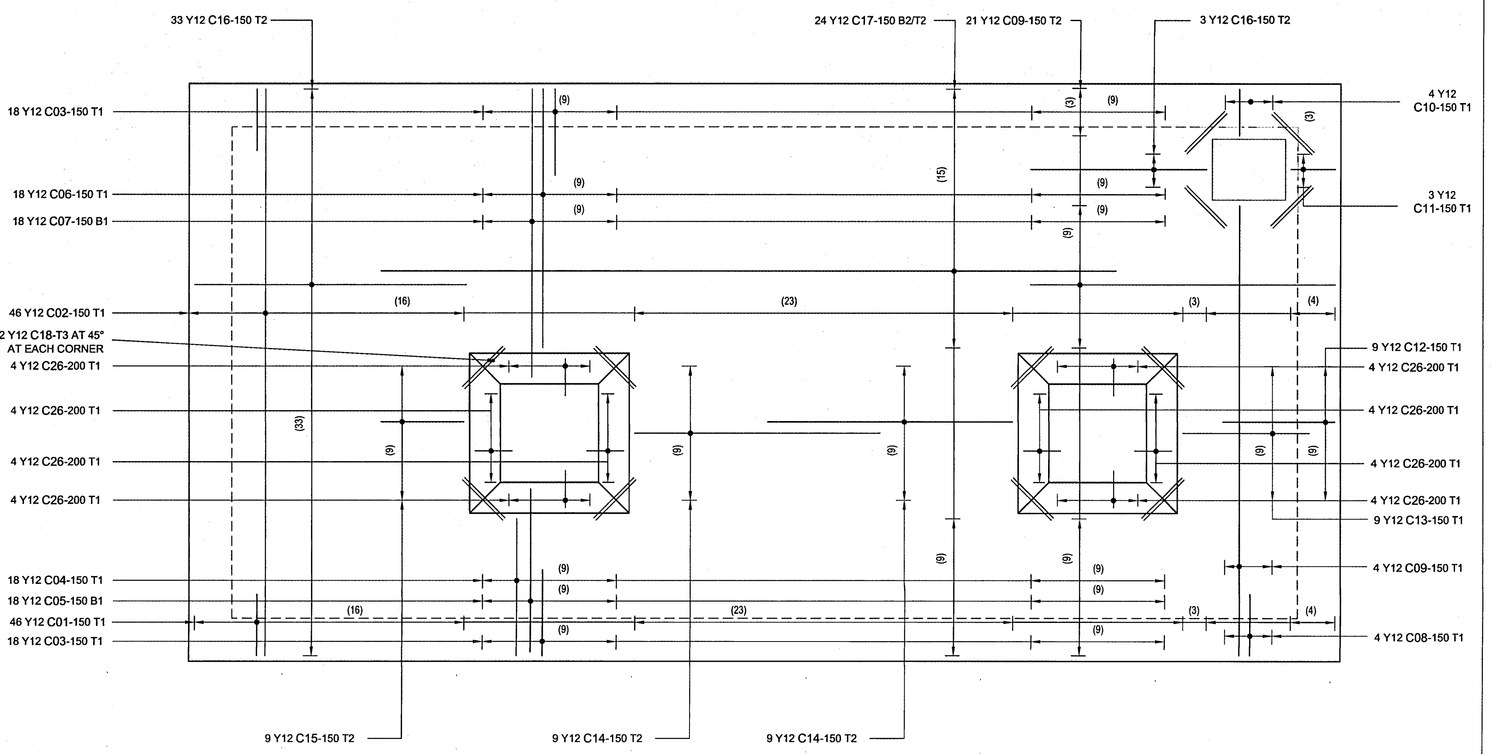
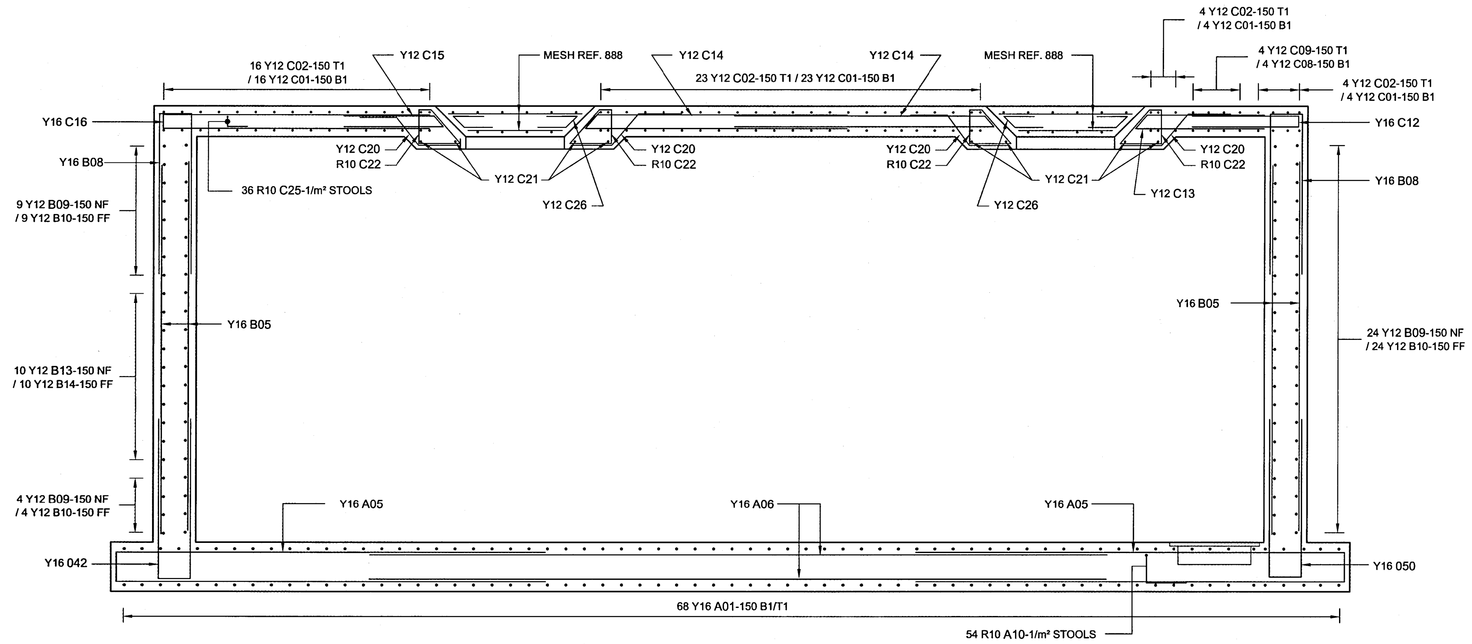


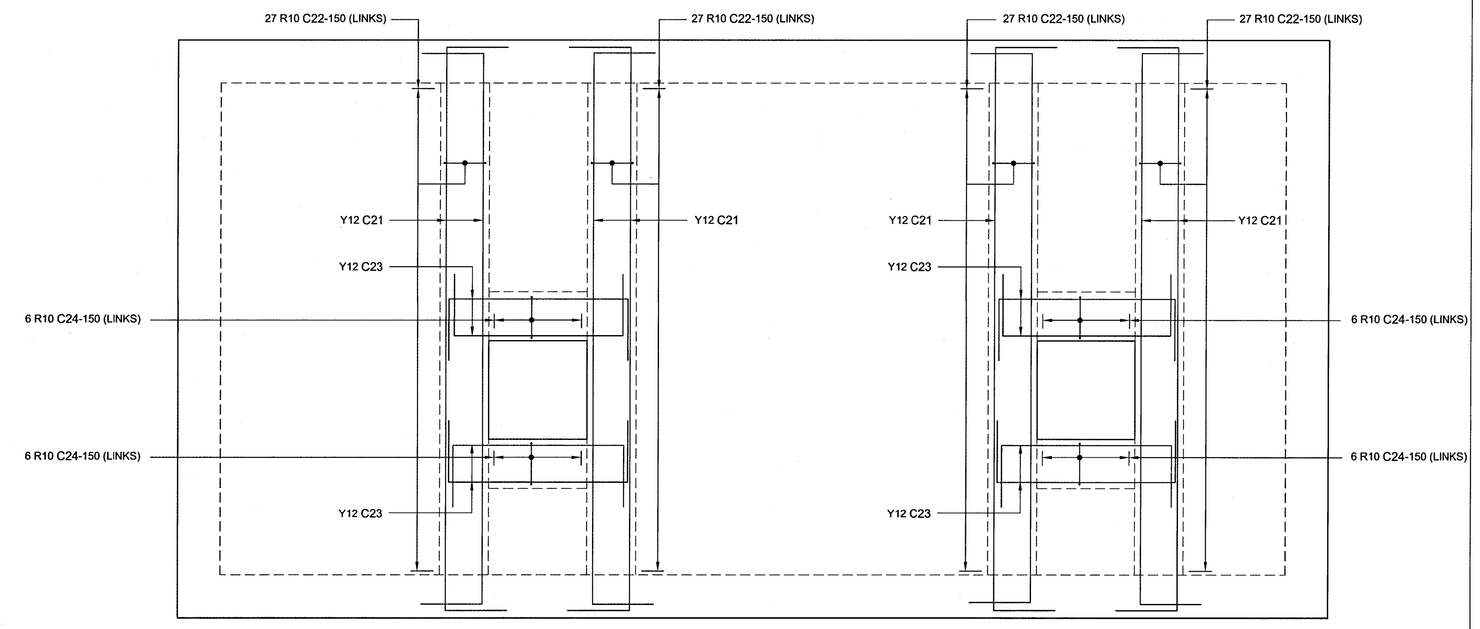
FLOOR PLAN
1:25



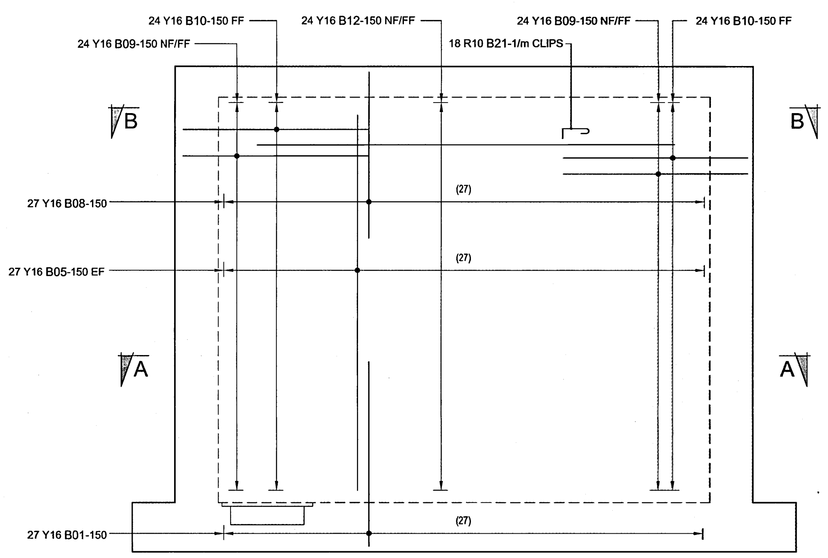
ROOF SLAB LAYOUT
1:25



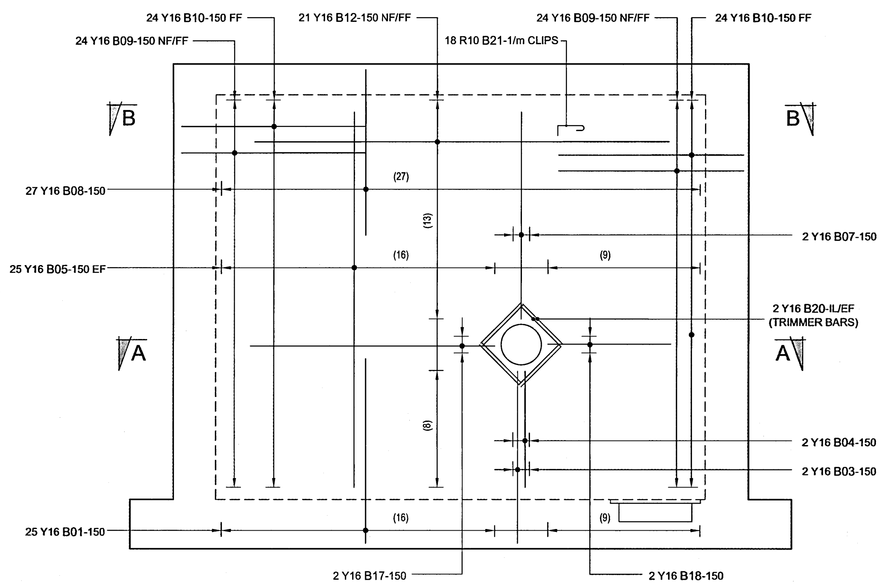
SECTION C-C
1:25



ROOF BEAM LAYOUT_BOTTOM BARS
1:25



WALL 4 ELEVATION
SCALE 1:25



WALL 3 ELEVATION
SCALE 1:25

DRG No. R029197/02

GENERAL NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE GENERAL ARRANGEMENT DRAWINGS
2. STRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH SANS SPECIFICATIONS AND RAND WATER SPECIFICATIONS.
3. ALL CONCRETE MIXES AND METHOD STATEMENTS TO BE APPROVED BY THE CIVIL DESIGN ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION
4. FOUNDATION EXCAVATIONS TO BE APPROVED BY THE CIVIL DESIGN ENGINEER PRIOR TO CASTING OF THE BLINDING LAYER
5. ALL LEVELS AND DIMENSIONS WILL BE CHECKED ON SITE PRIOR TO CONSTRUCTION

REINFORCEMENT NOTES:

1. REINFORCEMENT CHARACTERISTICS: REINFORCED CONCRETE CLASS AS SPECIFIED ON GENERAL ARRANGEMENT
2. CONCRETE COVER:
   a. FLOOR: 45mm
   b. WALLS: 45mm
   c. ROOF: 45mm
3. MINIMUM LAP LENGTH TO BE 50 x DIAMETER OF THE SMALLER BAR.
4. ALL REINFORCEMENT TO BE CHECKED AND APPROVED BY THE CIVIL DESIGN ENGINEER PRIOR TO CASTING OF ANY CONCRETE
5. REINFORCEMENT ABBREVIATIONS:
   BW = BOTH WAYS
   EF = EACH FACE
   NF = NEAR FACE
   FF = FAR FACE
   IF = INSIDE FACE
   OF= OUTSIDE FACE
   OL = OUTSIDE LAYER
   IL - INSIDE LAYER
   EW = EACH WAY
   T = TOP
   T1 = FIRST LAYER FROM TOP
   T2 = SECOND LAYER FROM TOP
   T3 = THIRD LAYER FROM TOP
   B = BOTTOM LAYER
   B1 = FIRST LAYER FROM BOTTOM
   B2 = SECOND LAYER FROM BOTTOM
   B3 = THIRD LAYER FROM BOTTOM
   ALT = ALTERNATE
   ABR = ALTERNATE BAR REVERSED
6. ONLY CONCRETE COVER BLOCKS ALLOWED OF THE SAME STRENGTH OF CONCRETE
7. REINFORCEMENT DETAILING TO COMPLY WITH SANS 10144
8. BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SANS 282
9. REINFORCEMENT SHALL BE FIXED TO COMPLY WITH TOLERANCES AS SPECIFIED IN SANS 1200G

REVISIONS

No	DATE	CHECKED	APPROVED	DESCRIPTION

REFERENCE DRAWINGS

NUMBER	TITLE
R029197/01	PIPELINE AND BOOSTERS PRETORIOUSRAND TO
	DIEPSLOOT GENERAL ARRANGEMENTS FOR
	DN300 CONNECTION TO 660mm DIAMETER H33
	PIPELINE.
R029197/03	PRETORIUSRAND REINFORCEMENT DETAILS
	FOR THE DN300 CONNECTION TO 660mm
	DIAMETER H33 PIPELINE SHEET 2
R029197/04	PRETORIUSRAND REINFORCEMENT DETAILS
	FOR THE DN300 CONNECTION TO 660mm
	DIAMETER H33 PIPELINE SHEET 4

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SAP No.	P.03568	CHECKED BY	19/02/2019
CONTRACT No.	RW4055507	D.O.M. C. TUMBARE	
DESIGNED BY	MAMABOLO JM	APPROVED M. CHIBA	Pr.Eng
DRAWN BY	MAMABOLO JM	REG. No. 20950256	
DATE	APRIL 2019	DATE 13/05/2019	

PIPELINE AND BOOSTERS
PRETORIUSRAND
REINFORCEMENT DETAILS FOR THE DN300 CONNECTION TO 660mm DIAMETER H33 PIPELINE SHEET 1

STATION	WKS	DOC. TYPE	S
H 3 3		D C R	A

SCALE AS SHOWN

DRG No. R029197/02

REVISION 0