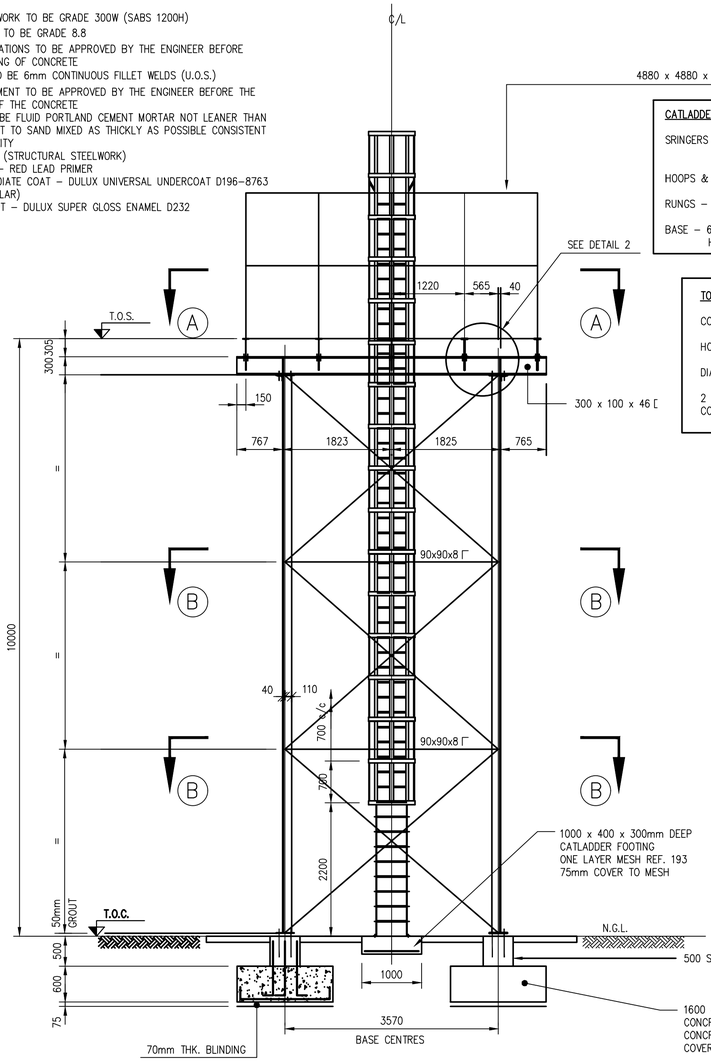
NOTES: –

1. ALL STEELWORK TO BE GRADE 300W (SABS 1200H)
2. ALL BOLTS TO BE GRADE 8.8
3. ALL EXCAVATIONS TO BE APPROVED BY THE ENGINEER BEFORE THE CASTING OF CONCRETE
4. WELDING TO BE 6mm CONTINUOUS FILLET WELDS (U.O.S.)
5. REINFORCEMENT TO BE APPROVED BY THE ENGINEER BEFORE THE CASTING OF THE CONCRETE
6. GROUT TO BE FLUID PORTLAND CEMENT MORTAR NOT LEANER THAN 1:2 CEMENT TO SAND MIXED AS THICKLY AS POSSIBLE CONSISTENT WITH FLUIDITY
7. PAINTWORK (STRUCTURAL STEELWORK)
   a) PRIMER – RED LEAD PRIMER
   b) INTERMEDIATE COAT – DULUX UNIVERSAL UNDERCOAT D196–8763 (OR SIMILAR)
   c) TOP COAT – DULUX SUPER GLOSS ENAMEL D232



FRONT ELEVATION
SCALE 1:50

CATLADDER MATERIAL

SRINGERS – 120 x 55 x 12.5
22ø HOLES @ 250 c/c

HOOPS & VERTICALS – 50 x 6mm FLAT BARS
RADIUS (HOOPS) = 330mm

RUNGS – 20mm ø ROUND BARS AT 250mm c/c

BASE – 6mm thk. PLATES WITH 12mm ø H.D. BOLTS

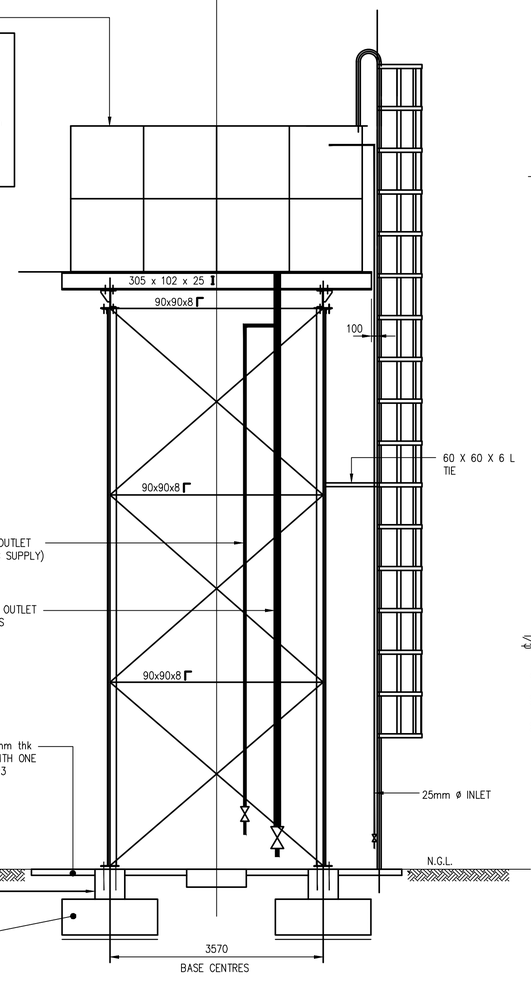
TOWER MATERIAL

COLUMNS – 150 x 150 x 10 L

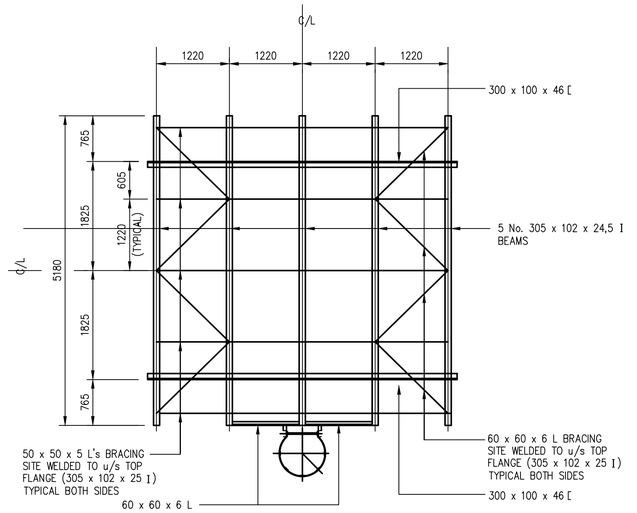
HORIZONTALS – 90 x 90 x 8 L

DIAGONALS – 60 x 60 x 5 L

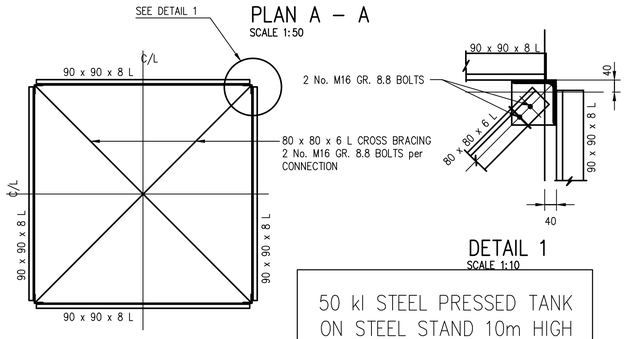
2 No. M14 GRADE 8.8 BOLTS per CONNECTION (U.O.S.)



SIDE ELEVATION
SCALE 1:50



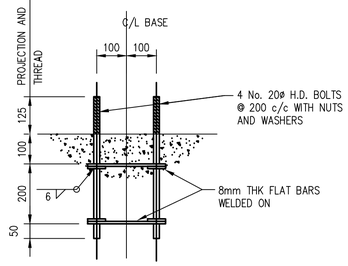
PLAN A – A
SCALE 1:50



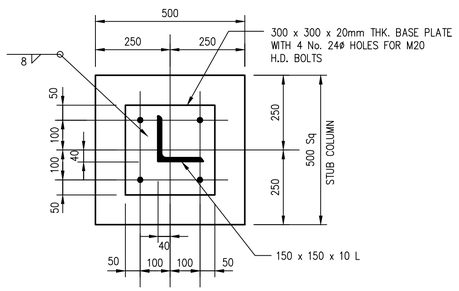
SECTIONAL PLAN B – B
SCALE 1:50

DETAIL 1
SCALE 1:10

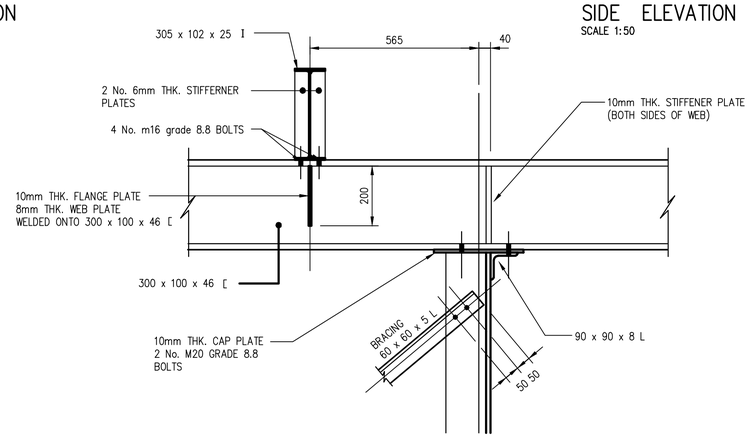
50 kl STEEL PRESSED TANK ON STEEL STAND 10m HIGH



H.D. BOLT DETAIL (4 No. OFF)
SCALE 1:10



PLAN ON BASE PLATE
SCALE 1:10



DETAIL 2
SCALE 1:10

SCALE 1:50 0 0,5 1m 2m 5m 10m

UNIT	No. UNITS	LTR	No. OFF	TOTAL	Dia. mm	LENGTH	BENDING	DRAWNG
COLUMN FOOTING	4	A	16	64	Y16	1950	250 / 1450	B – Y16, S1, 5–S1–R10–200, 8–A–Y16–200 EACH WAY, SECTION
		B	8	32	Y16	1150	900	
		S1	5	20	R10	1700	370 / 370	PLAN THRU' STUB
CATLADDER FOOTING AND 100mm SLAB	HIGH TENSILE WELDED MESH REINFORCEMENT REF. 193 AREA = 39m²							

NOTES :

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REV	DATE	DESIGN	DRAWN	DESCRIPTION
A	30.10.2023	T.LKALAKA	C.MBHELE	ISSUED FOR TENDER PURPOSES

JVNC Capital

ReaAgi CONSULTING ENGINEERS

RAMONOKANE PRIMARY SCHOOL

FOR:

LIMPOPO PROVINCIAL GOVERNMENT REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF EDUCATION

IMPLEMENTED BY:

THE MVULA TRUST
A leading developmental NGO

50KL STEEL TANK AND BASE - DETAILS

SCALE: AS SHOWN

PROJECT	DRAWING NUMBER	REVISION
RPS	DWG-ST-200	A

INFO | COUNCIL | TENDER | CONSTRUCTION

DATE: 30/10/2023 DRAWN BY: VM