



NOTES:

1. ALL SIZES AND SAFETY DISTANCES TO BE CHECKED ON SITE AND MUST BE IN COMPLIANCE WITH SANS 10087 PART 7.
2. THIS STORAGE IS SUBJECT TO COMPLIANCE WITH SANS 10087-7 STANDARDS AND LOCAL AUTHORITY APPROVAL INCLUDING ALL BY-LAWS PERTAINING TO GAS STORAGE.
3. NO UNAUTHORIZED PERSONS ALLOWED IN A STORAGE AREA UNDER ANY CIRCUMSTANCES.
4. ALL MANDATORY FIRE EQUIPMENT TO BE PRESENT AT ALL TIMES AND IS TO BE MAINTAINED IN A GOOD WORKING CONDITION.
5. AREA AROUND GAS STORAGE TO BE KEPT CLEAR OF ALL COMBUSTIBLE MATERIALS AND POSSIBLE OBSTACLES WHICH MAY HINDER ACCESS TO SAID FACILITY.
6. ALL SAFETY AND WARNING NOTICES TO BE PROMINENTLY DISPLAYED.
7. IT IS TO BE ENSURED THAT THE GAS STORAGE IS LOCKABLE AND ACCESS TO THE GAS FACILITY IS BY AUTHORIZED PERSONS ONLY.
8. ENSURE ALL OPEN DRAINS ARE SEALED OR BUILT UP.
9. ALL BUILDINGS TO COMPLY WITH SABS 10400.
10. ALL ELECTRICAL WORK TO COMPLY WITH SABS 10108.
- 10.THE INSTALLATION TO COMPLY WITH THE LOCAL AUTHORIZATION.

9 - FIRE EXTINGUISHER

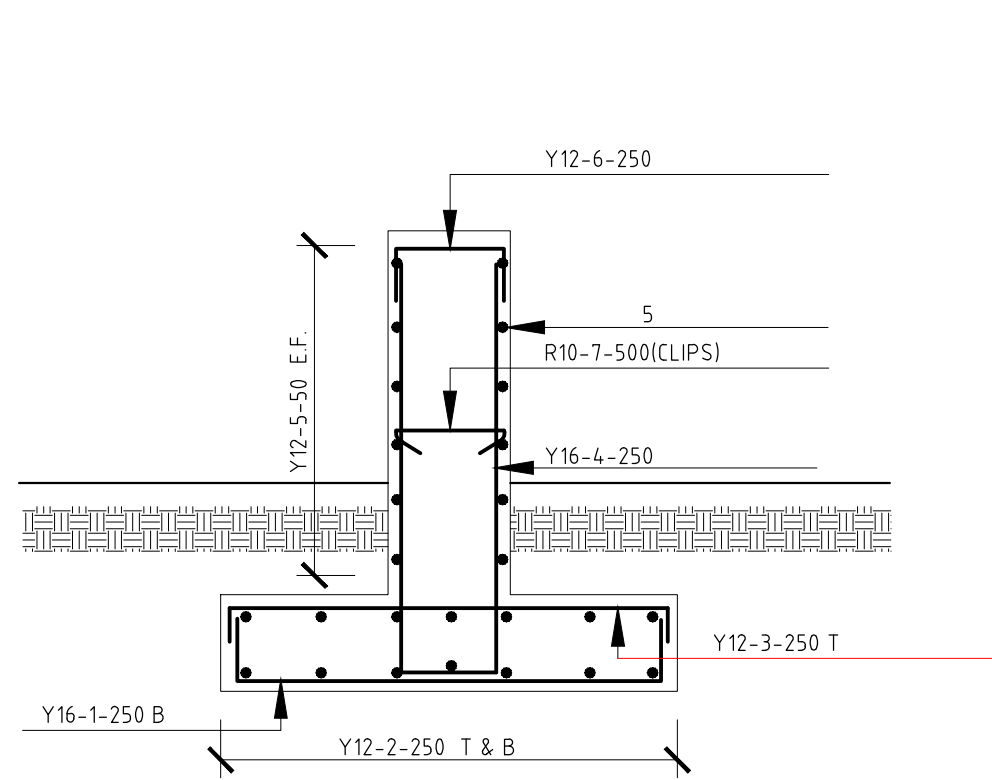
→ - FIRE MONITOR

⊕ - FIRE HYDRANT

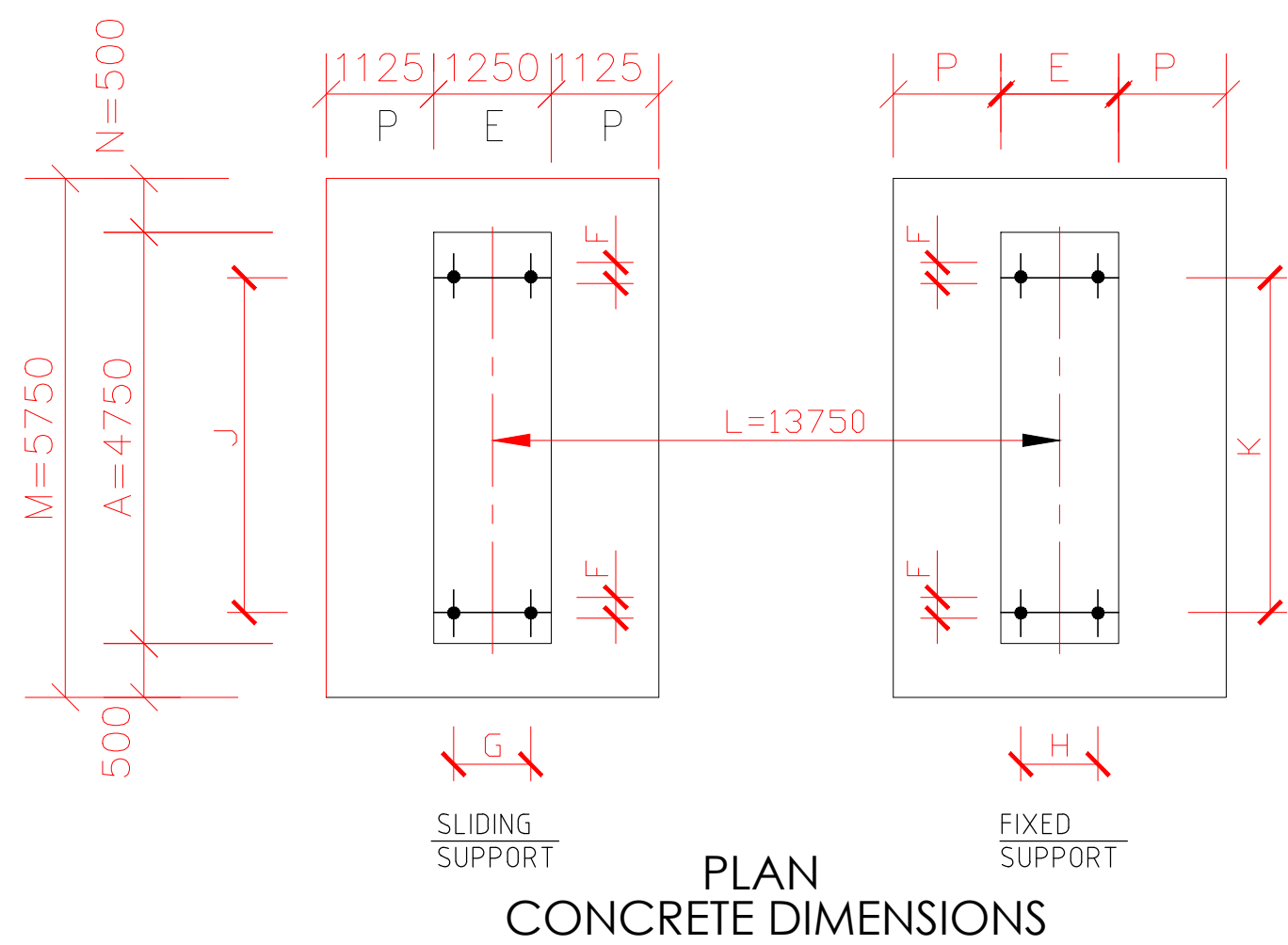


Rev n.	Revision notes	Date	Signature	Checked by
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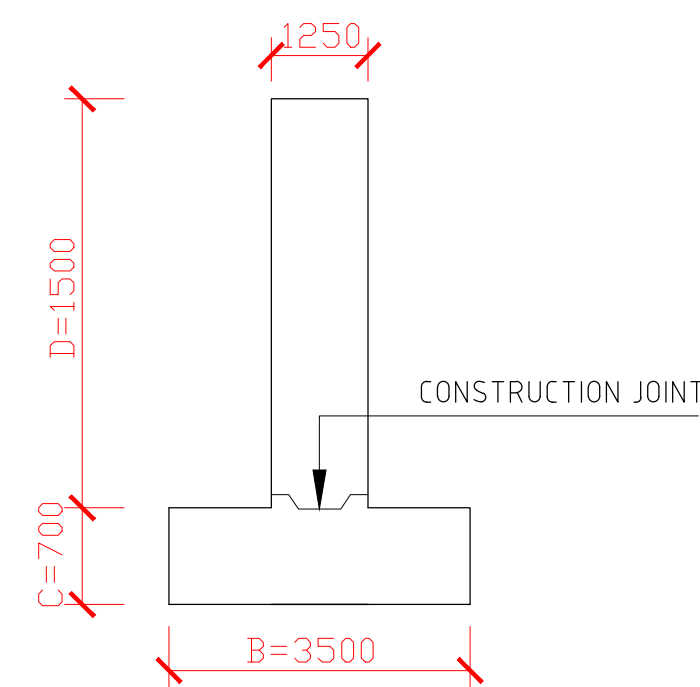
Drawn by NAME	Checked by NAME	Date Approved DATE	Date DATE	Reference RERERANCE
		PROJECT PROPOSED 400CUBIC METER TANK		
COMPANY DETAILS GATE 5, HIBISCUS AVE ALRODE, ALBERTON JOHANNESBURG 011 389 7700		DRAWING TITLE PORT ELIZABETH -DEPOT		
Drawing number: TANK-DEPOT-2021-01		Revision 03	Scale AS-SHOWN	Page Size A1



REINFORCEMENT DETAILS



PLAN
CONCRETE DIMENSIONS



SECTION

NOTES:

ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS

ALL DIMENSIONS TO BE CHECKED ON SITE AND CHANGES REPORTED TO EASIGAS PROJECT ENGINEER

ALL FOOTINGS TO NBR OR ENGINEERS DETAIL

ALL BACKFILL TO BE COMPACTED IN 100mm LAYERS TO 95% MOD AASHTO

CONCRETE STRENGTH = 40MPa

COVER TO REINFORCEMENT = 50mm

ALL CONCRETE TO BE MECHANICALLY VIBRATED

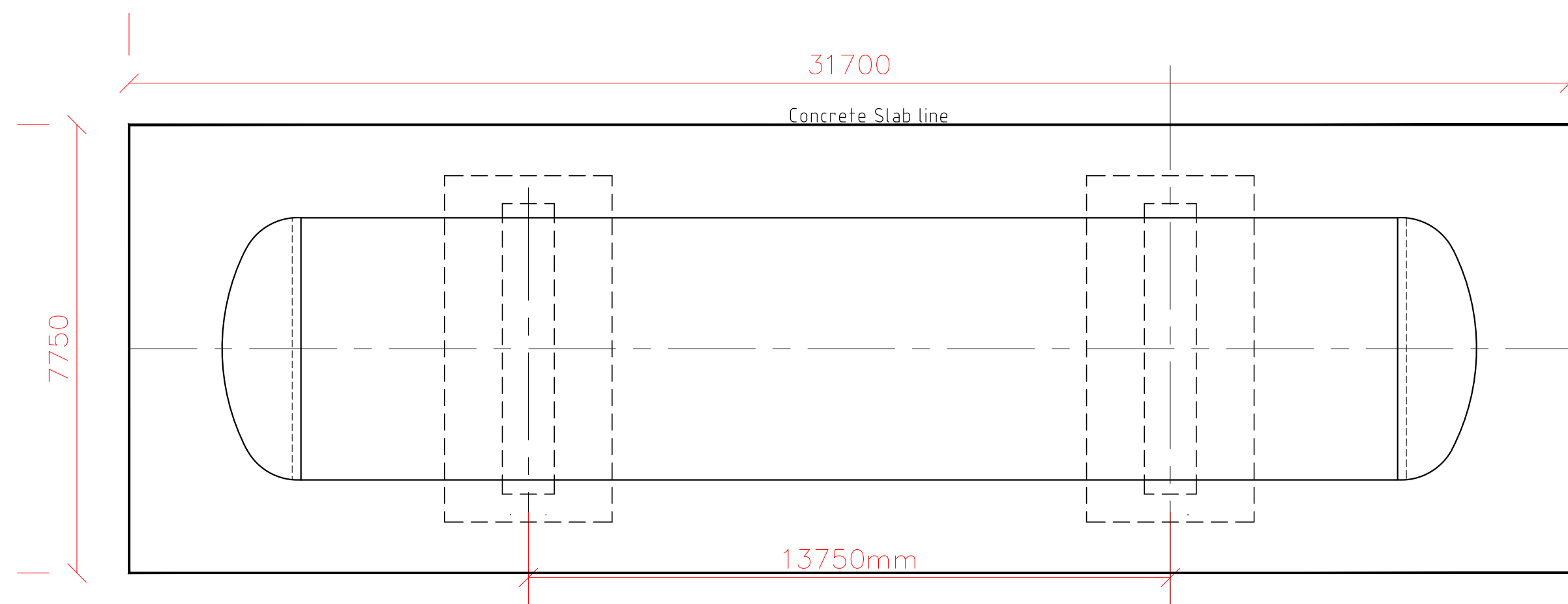
ENGINEER TO BE CALLED TO INSPECT PRIOR TO CASTING CONCRETE AND TO CERTIFY R.C WORKS

INSTALLER TO ENSURE THE BOLTS ON THE PLINTHS ARE INLINE WITH SLIDING/SKID PLATE

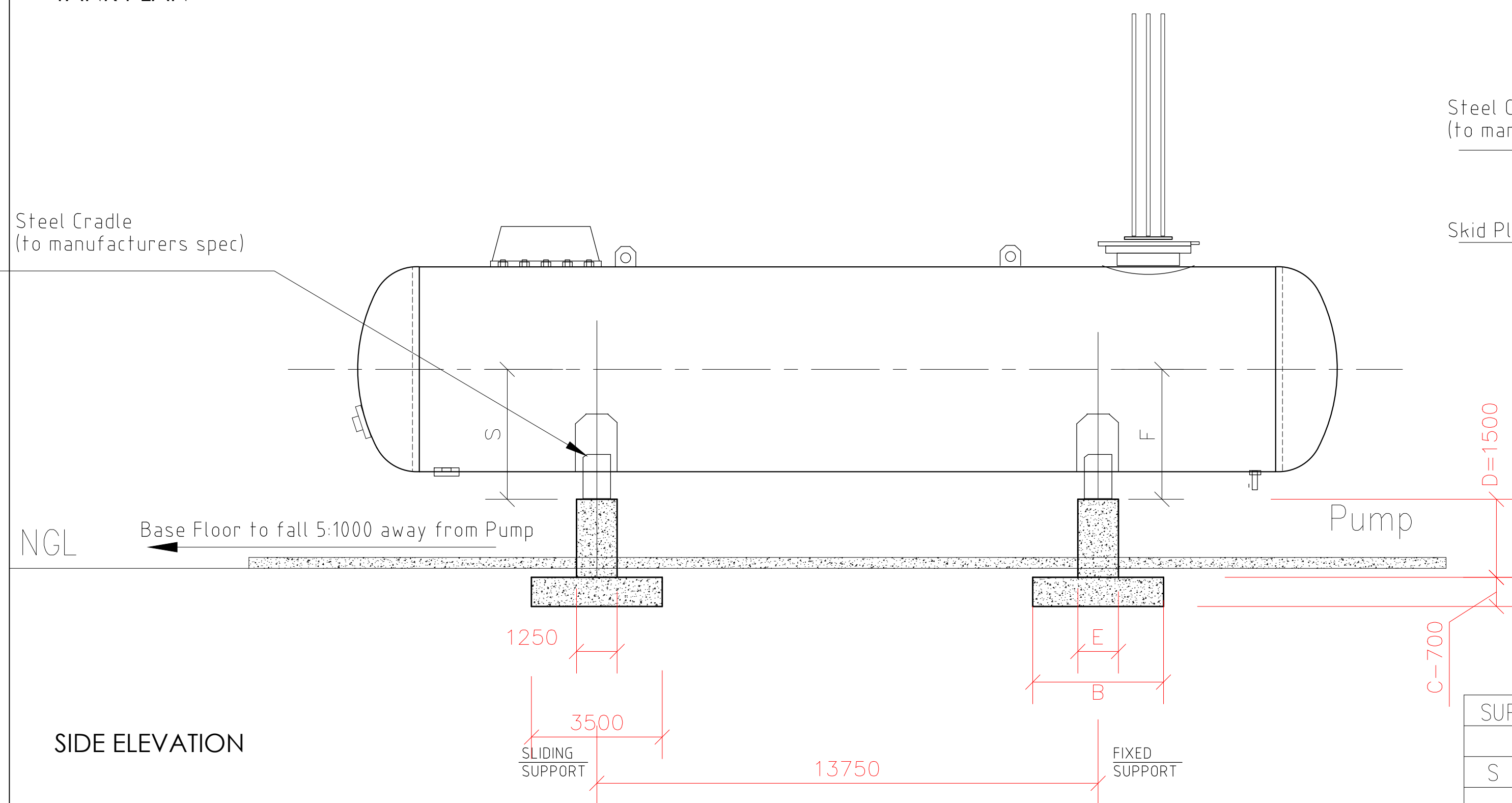
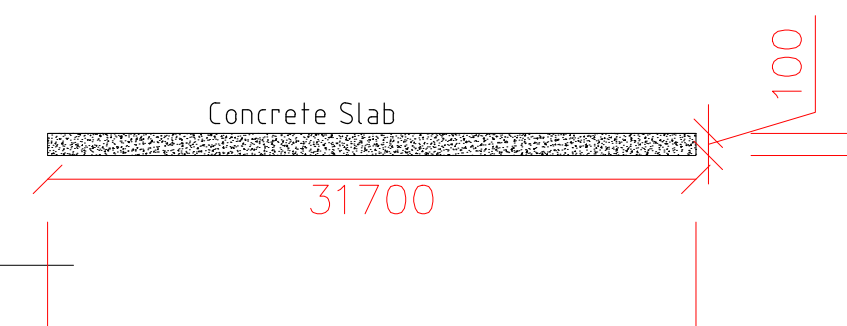
INSTALLER TO ISSUE COC UPON COMPLETION OF INSTALLATION

TANK GROSS WEIGHT IS 475 TONS

THIS DRAWING IT'S FOR INFORMATION PURPOSE ONLY..



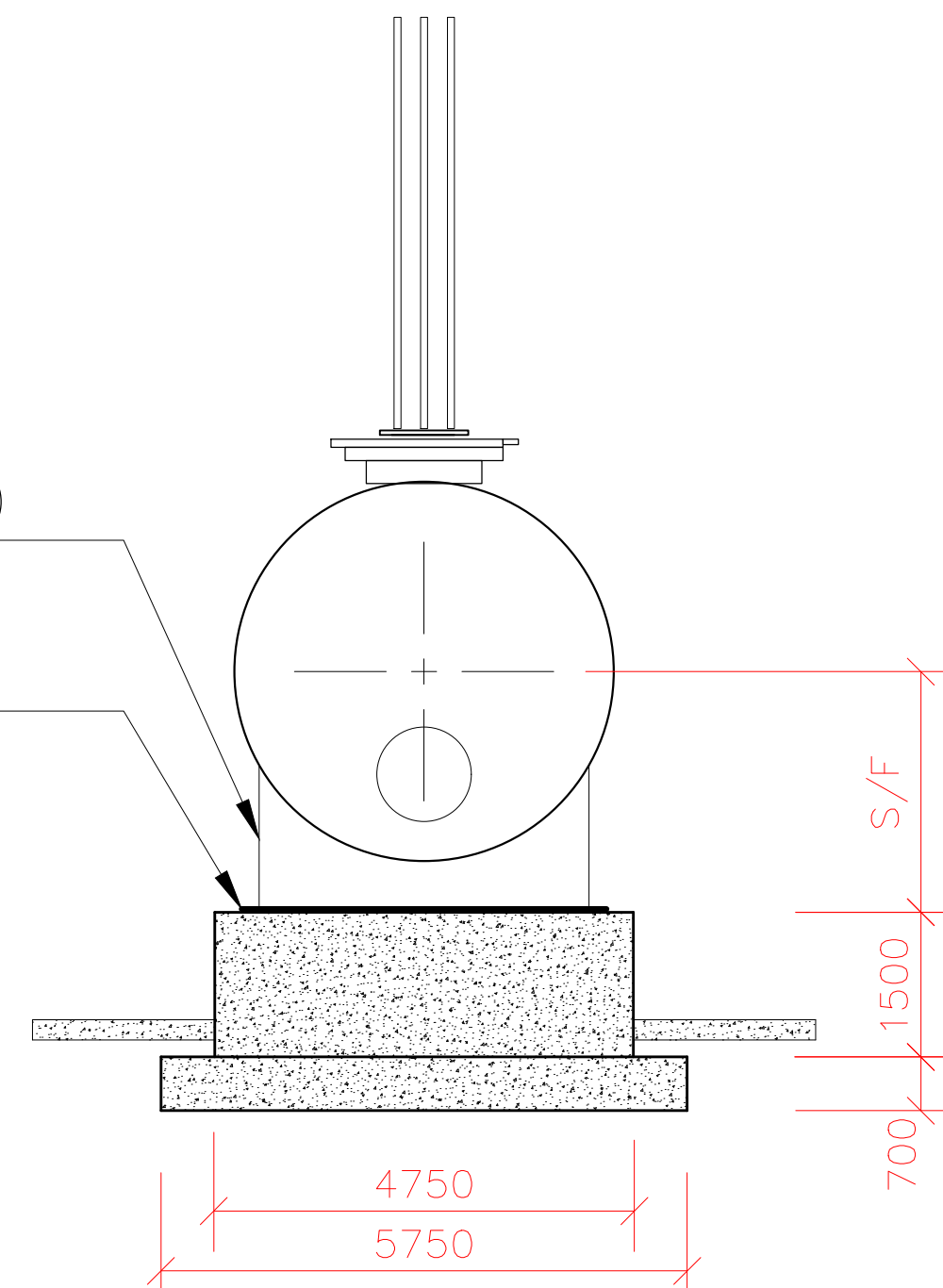
TANK PLAN



SIDE ELEVATION

Steel Cradle
(to manufacturers spec)

Skid Plate



END ELEVATION (TYP SECTION)

BENDING SCHEDULE (SANS 10082)										
MEMBER MARK, SIZE, No. OFF	REINFORCEMENT				BENDING SCHEDULE					
	No. IN EACH	SIZE	MARK	LENGTH	SHAPE CODE	A	B	C	D	E or F
4.00m³	24	Y16	1	4400	38	500	3400			
	15	Y16	2	5950	35	5650				
	24	Y16	3	3700	35	3400				
	8	Y16	4	6650	38	2300	1150			
	20	Y12	5	10200	38	900	4650			
	20	Y12	6	1450	35	1150				
	10	R10	7	1450	38	150	1150			

CONCRETE DIMENSIONS										
DIMENSIONS	TANK SIZE (m³)			TANK SIZE (m³)						
	2.25	4.5	9	22.5	45	70	90	200	400	
A	1250	1250	2250	2250	3125	3125	3125	3500	4750	
B	800	800	950	1450	1560	1560	1560	2500	3500	
C	300	300	300	400	400	400	400	500	700	
D	2550	2450	2450	2350	2350	2350	2350	2150	2150	
E	300	300	450	450	560	560	560	1000	1250	
F BOLT SIZE	M20	M20	M20	M24	M24	M24	M24	M30	M30	
G	90	90	130	230	380	380	380	380	installer	
H	90	90	126	140	300	300	300	380	installer	
J	1092	1092	1464	2036	2375	2854	2944	4250	installer	
K	786	786	1168	1626	1944	2420	2510	2764	installer	
L	1600	2800	2800	3200	5000	5600	6900	14750	13750	
M	1550	1550	2550	2850	3725	3725	3725	4500	5750	
N	150	150	150	300	300	300	300	500	500	
P	250	250	250	500	500	500	500	750	1125	

SUPPORT HEIGHT (FROM TANK MANUFACTURER)				THIS DRAWING HAS BEEN CREATED USING AutoCAD. DO NOT CHANGE MANUALLY!		THIS DRAWING IS THE PROPERTY OF EASIGAS AND, WITHOUT WRITTEN PERMISSION, IT MAY NOT BE COMMUNICATED, PASSED ON TO ANY THIRD PARTY OR USED EXCEPT IN RELATION TO THE INSTALLATION AND/OR EQUIPMENT WITH WHICH IT HAS BEEN SUPPLIED.		EASIGAS - STANDARD CIVIL WORKS FOR 400m3 LPG TANK		DRAWN SCALE APPROVED		SC GONDWE DATE N/A		05/11/2021 DRAWING NUMBER ZA-01-22-16-0007	
STD	S	F													
SPECIAL	S	F													
REVISIONS	REV	INITIAL	DATE	REV	INITIAL	DATE	REV	INITIAL	DATE	REFERENCE DRAWINGS					

N.B-Drawing not to scale(Information Purpose Only)