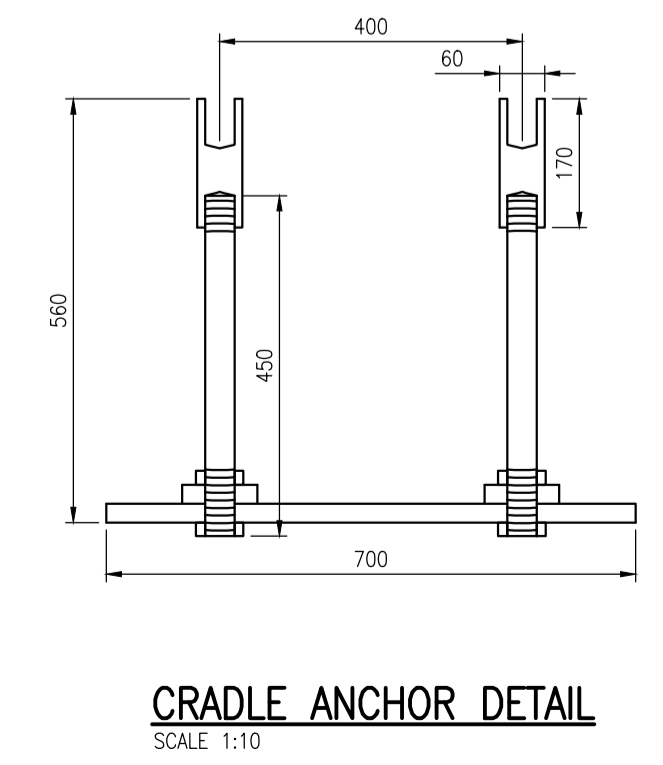
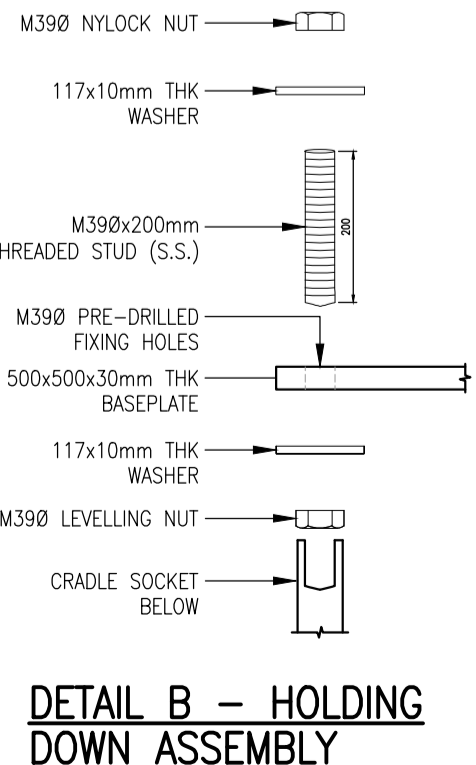


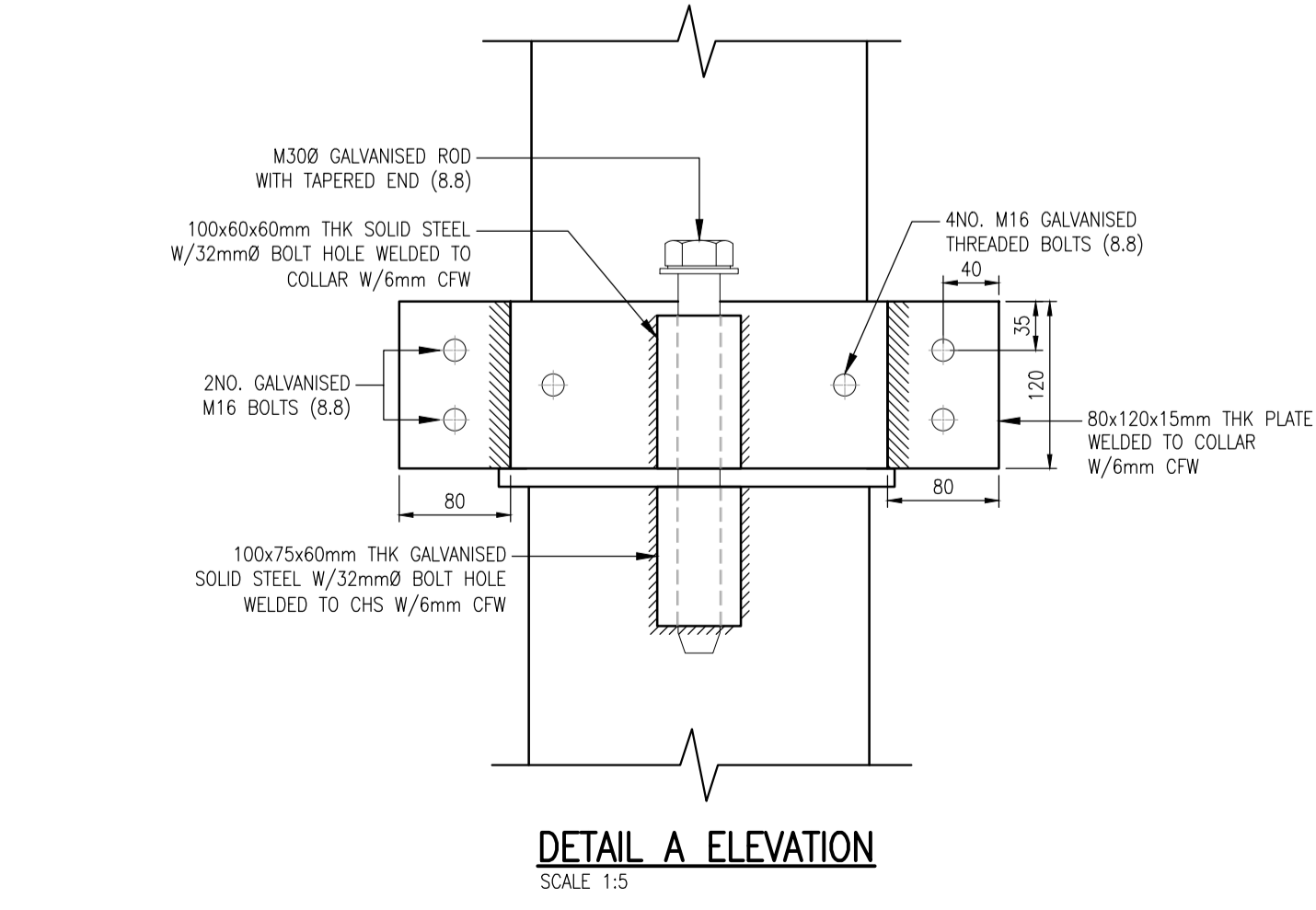
SECTION A-A
SCALE 1:25



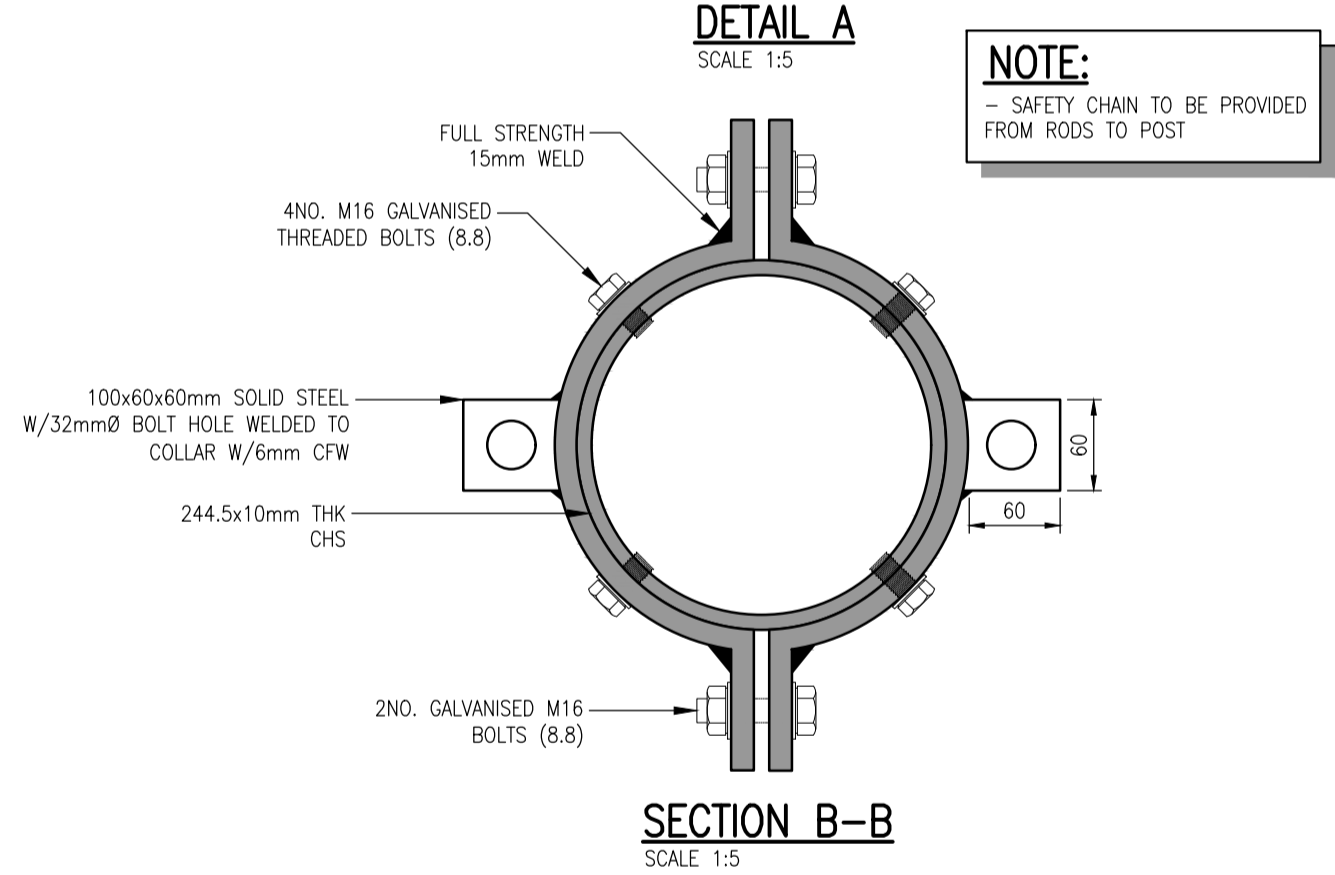
CRADLE ANCHOR DETAIL
SCALE 1:10



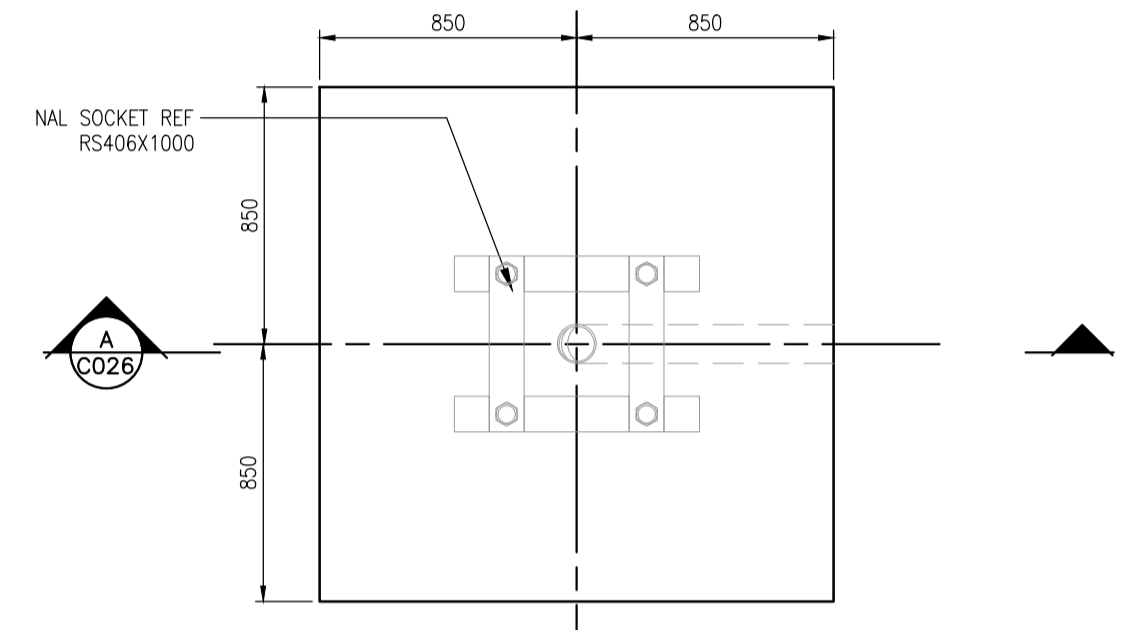
DETAIL B - HOLDING DOWN ASSEMBLY
SCALE 1:10



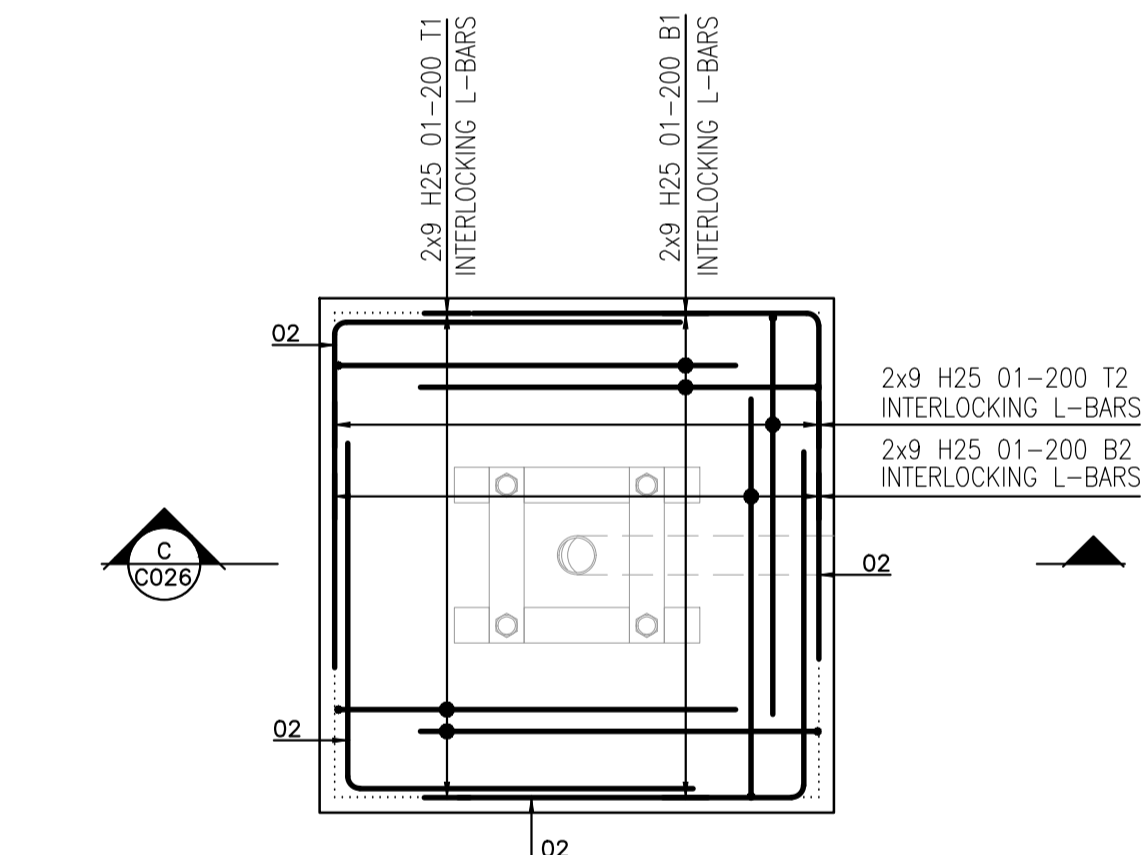
DETAIL A ELEVATION
SCALE 1:5



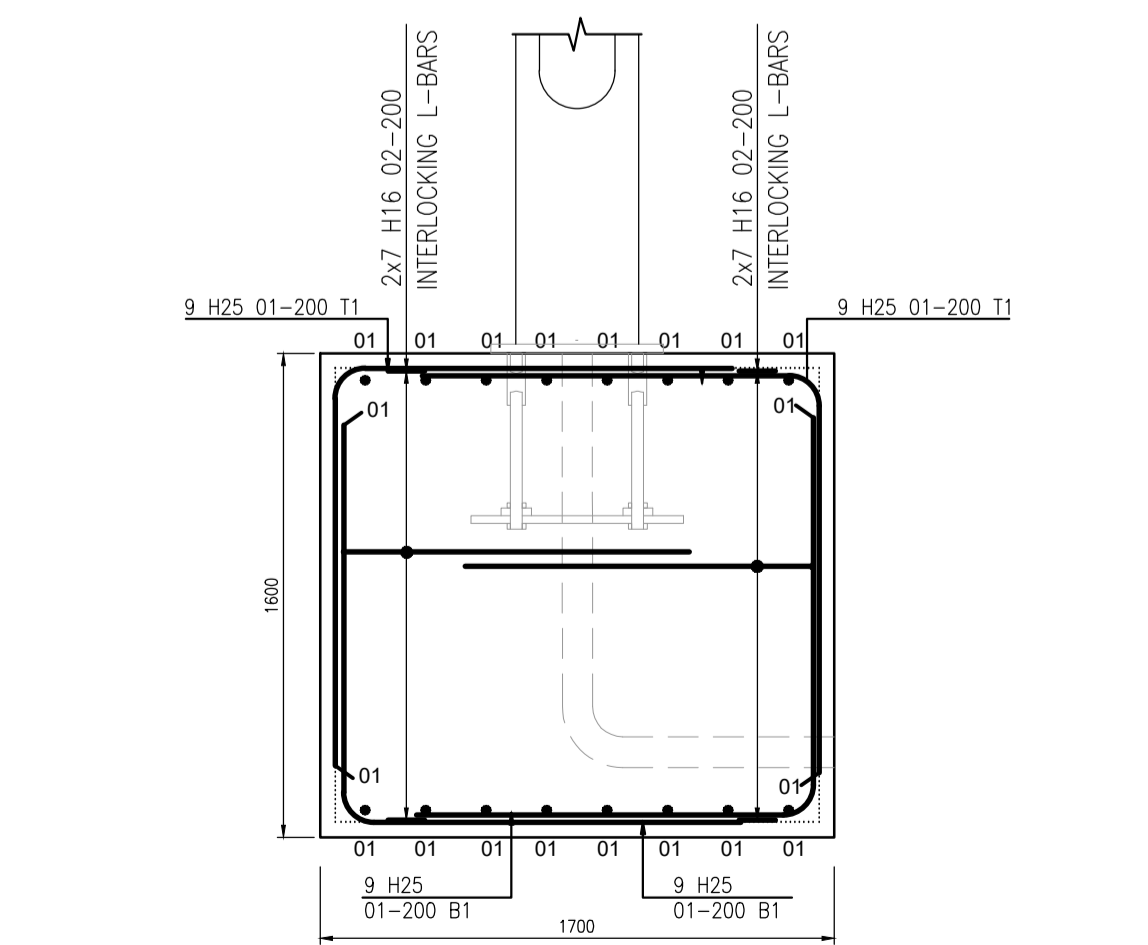
SECTION B-B
SCALE 1:5



FOUNDATION PLAN (WITH CRADLE)
SCALE 1:25



PAD FOUNDATION RC DETAILS
SCALE 1:25



SECTION C-C
SCALE 1:25

THE ROTATIONAL MAST ARM SPECIFICATION

- MAST ARM TO BE CONSTRUCTED FROM GRADE S355J2H STEEL WHICH IS BLAST CLEANED TO SA2.5
- MAST ARM MUST BE COATED INTERNALLY AND EXTERNALLY WITH ZINGA TM, FOLLOWED BY A COAT OF EPOXY MICACEOUS IRON OXIDE PRIMER AND THEN FINISHED WITH A TOP COAT OF TWO PACK POLYURETHANE.
- MAST ARMS TO BE SUPPLIED WITH AN OUTREACH ARM CAPABLE OF ROTATING THROUGH 180 DEGREES
- MAST ARMS MUST HAVE THE ABILITY TO BE ROTATED FROM GROUND LEVEL BY ONE AUTHORISED PERSON
- THE ROTATION MECHANISM MUST BE ACCESSIBLE THROUGH A LOCKABLE LOW LEVEL ACCESS DOOR TO ENABLE SAFE FUTURE MAINTENANCE
- MAST ARMS MUST BE PROVIDED TO THE ABOVE SPECIFICATION BY NAL LTD OR AN EQUALLY APPROVED MANUFACTURER

GROUND FIXING CRADLE SPECIFICATION

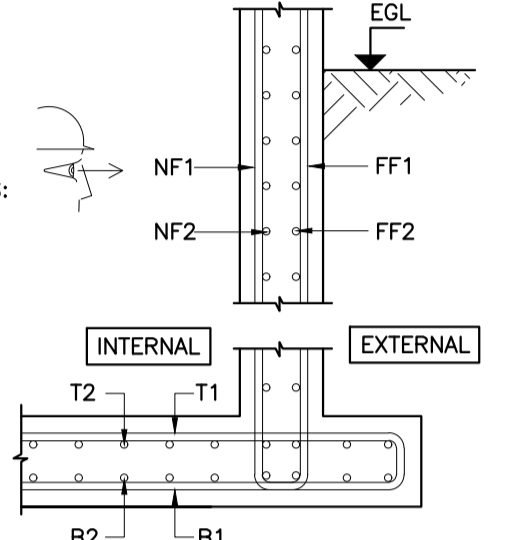
- MAST ARM TO BE SUPPLIED WITH 500x500x30mm BASEPLATE WITH 4NO. M24 PRE-DRILLED FIXING HOLES
- MAST ARMS TO BE SUPPLIED WITH A REINFORCED STEEL CAST IN GROUND FIXING ANCHOR CRADLE
- ANCHOR CRADLE TO BE SUPPLIED C/W FIXING BOLTS AND SECURING NUTS (4NO. M39x200mm STAINLESS STEEL STUD WITH 117x10mm PLATE WASHER ON M39 STAINLESS STEEL NUTS FOR LEVELLING
- MAST TO BE LOWERED OVER STUDS THEN 117x10mm PLATE WASHERS M39 NUTS AND ON TOP M39 NYLOCK NUT, WRAPPED IN DENZO TAPE FOR PROTECTION
- ANCHOR CRADLE TO BE LOCATED CENTRALLY WITHIN THE FOUNDATION

THE ROTATIONAL MAST ARM

DUE TO THE UNIQUE DESIGN THE MAST ARM CAN BE FULLY ROTATED AT GROUND LEVEL BY A SINGLE OPERATIVE WITHOUT THE NEED FOR ANY HIGH LEVEL ACCESS EQUIPMENT AND NO DISTRIBUTION OR UNNECESSARY CLOSURES TO THE CARRIAGE WAY

REINFORCEMENT NOTES:

- DO NOT SCALE USE FIGURED DIMENSIONS ONLY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
- ALL STRUCTURAL CONCRETE TO BE GRADE C35/45 TO IS EN 206-1
- COVER TO REINFORCEMENT BELOW GROUND LEVEL TO BE 50mm WITHOUT BLINDING OR SHUTTERING. COVER TO REINFORCEMENT ABOVE GROUND LEVEL OR WHERE TANKING MEMBRANE IS PRESENT TO BE 50mm.
- REINFORCEMENT TO COMPLY WITH B.S. 8666:2005 AND TO BE AS FOLLOWS:
H - GRADE B500A, GRADE B500B OR GRADE B500C CONFORMING TO BS 4449:2005
A - GRADE B500A CONFORMING TO BS 4449:2005
B - GRADE B500B CONFORMING TO BS 4449:2005
C - GRADE B500C CONFORMING TO BS 4449:2005
- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY OR DETERMINE ALL DIMENSIONS AND LEVELS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION OR PRODUCTION OF FABRICATION DRAWINGS.
- ALL DIMENSIONS AND SETTING OUT TO ARCHITECTS DETAILS.
- ABBREVIATIONS:
ALT. P - ALTERNATIVELY PLACED
ALT. R - ALTERNATIVELY REVERSED
STG - STAGGERED
EF - EACH FACE
NF - NEAR FACE
FF - FAR FACE
B - BOTTOM
T - TOP
- MINIMUM LAP LENGTHS TO REINFORCEMENT TO BE AS FOLLOWS:
H10 - 400mm
H12 - 500mm
H16 - 650mm
H20 - 800mm
H25 - 1000mm
H32 - 1300mm
H40 - 1600mm
- ABBREVIATIONS
S.S.L. - STRUCTURAL SLAB LEVEL
F.F.L. - FINISHED FLOOR LEVEL
T.O.C. - TOP OF CONCRETE
F.G.L. - FINISHED GROUND LEVEL
- GROUND CONDITIONS ASSUMED TO BE FIRM VIRGIN/ORIGINAL GROUND WITH MINIMUM ALLOWABLE BEARING PRESSURE 75kN/m



RC SCHEDULE

Member	Bar mark	Type and size	No. of mbrs.	No. of bars in each	Total no.	Length of each bar + mm	Shape code	A* mm	B* mm	C* mm	D* mm	E/R* mm	Rev letter
Foundation	01	H25	1	72	72	2600	11	1300	1300				
	02	H16	1	28	28	2270	11	1150	1150				



REV.	DATE	AMENDMENT	DRN	APPD

STATUS

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CLIENT **TFH (MAST ARM) LTD.**

ARCHITECT

PROJECT

TITLE

8.5m MAST ARM AND FOUNDATION

DRAWN DESIGNED APPROVED DATE

SCALE AS SHOWN JOB NO. DRG. NO. REVISION