

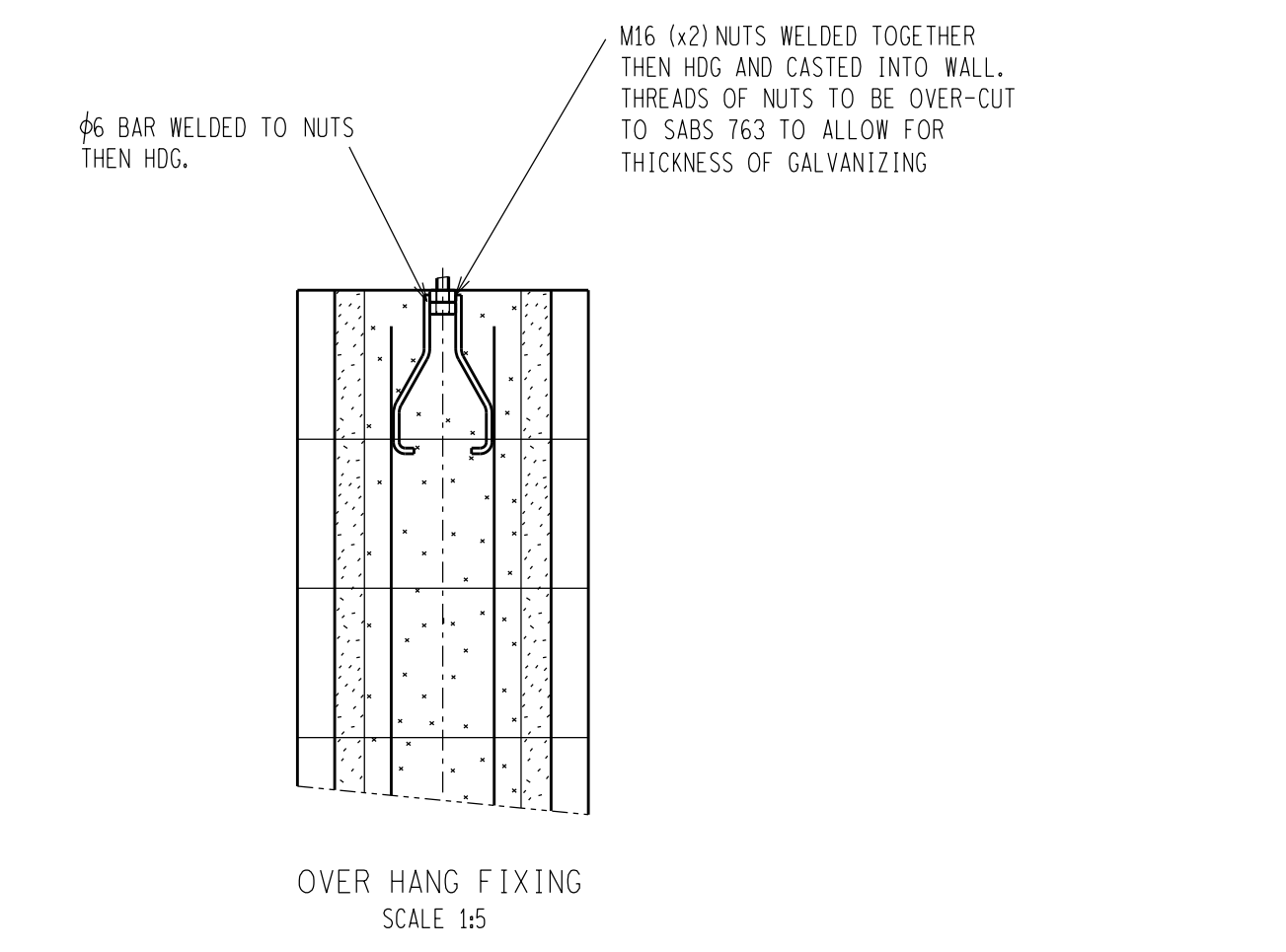
- NOTES:
- 1 CONCRETE WORK TO BE IN ACCORDANCE WITH SANS 1200
  - 2 CONCRETE STRENGTH AT 28 DAYS = 25MPa
  - 3 CONCRETE STRENGTH FOR BLINDING LAYER AT 28 DAYS = 15MPa
  - 4 COMPACTION OF THE BOTTOM OF FENCE POST FOUNDATION SHALL BE COMPACTED TO 93% OF MOD.AASHTO
  - 5 NO CONCRETE TO BE POURED WHERE THE AIR TEMPERATURE WILL DROP BELOW 4 DEG CELSIUS IN 8 HOURS AFTER POURING OF CONCRETE UNLESS A SUITABLE APPROVED ADDITIVE IS ADDED TO THE CONCRETE MIX
  - 6 YARD STONE 26/38mm - ROAD STONE 13mm
  - 7 6.17 REINFORCING TO BE USED IN ALL GATE RAMP
  - 8 50mm  $\phi$  PVC PIPE PLUGGED AT BOTH ENDS TO BE LAID IN THE CONCRETE GATE RAMP
  - 9 PRESTRESSED HOLLOWCORE CONCRETE PANELS TO BE IN ACCORDANCE WITH SANS 0100
  - 10 CONCRETE PILASTER BLOCKS TO BE FILLED IN WITH CLASS 30/20 CONCRETE
  - 11 GROUT FILLING FOR HOLLOWCORE PANELS TO BE 15MPa


REINFORCEMENT SCHEDULE - COLUMN ONLY						
MK	TYPE & SIZE	NO REQUIRED TOTAL PER ITEM	CUTTING LENGTH (mm)	TOTAL LENGTH (m)	WEIGHT kg	BENDING REMARKS
1	Y16	4	1175	4.70	7.43	200 975
2	Y16	4	3100	12.40	19.59	3100

REINFORCEMENT SCHEDULE - STD COLUMN FOUNDATION						
MK	TYPE & SIZE	NO REQUIRED TOTAL PER ITEM	CUTTING LENGTH (mm)	TOTAL LENGTH (m)	WEIGHT kg	BENDING REMARKS
3	Y16	6	3680	22.08	34.88	1400 x 300
4	Y16	6	3650	21.90	34.60	1400 x 284

REINFORCEMENT SCHEDULE - TEE OFF COLUMN FOUNDATION						
MK	TYPE & SIZE	NO REQUIRED TOTAL PER ITEM	CUTTING LENGTH (mm)	TOTAL LENGTH (m)	WEIGHT kg	BENDING REMARKS
5	Y16	7	3680	25.76	40.70	1400 x 300
6	Y16	6	4450	26.70	42.19	1800 x 284

SCHEDULE OF QUANTITIES $\phi$ 950mm (1 COLUMN)			BEARING CAPACITY	
EXCAVATION VOLUME = $2.14m^3$			FOUNDATION = 150kPa	SOIL TYPE 1 AND 2
CONCRETE VOLUME = $0.90m^3$				
COLUMN CONCRETE INFILL = $0.215m^3$				
GROUT FILLING / SECTION = $0.5m^3$				



D-DT-5237		SHEET 98		MANUFACTURING DETAIL			
DRG NO.		SHEET NO.		REFERENCE DRAWINGS			
THIS DRAWING IS THE NEW OFFICIAL REVISION AND IT SUPERSEDES ALL OTHER PUBLISHED DRAWINGS							
1	NOTES UPDATED.	NSH	BWH	NMM	13/02/2018		
0	FIRST ISSUE						
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	PROJECT NO.	
		<div>SECURITY FENCE</div> <div>3m HIGH SECURITY CONCRETE WALL</div> <div>3.25m MANUAL SWING GATE &amp; PANELS</div> <div>ASSEMBLY AND SECTIONS</div>					
AUTH: B HILL							
DATE: 09/10/2012							
CHKD: N WEBBER							
DATE: 05/10/2012							
DRAWN: G BEETGE					SET	SHEET	REVISION
DATE: 05/10/2012		D-DT-5237				9A	1