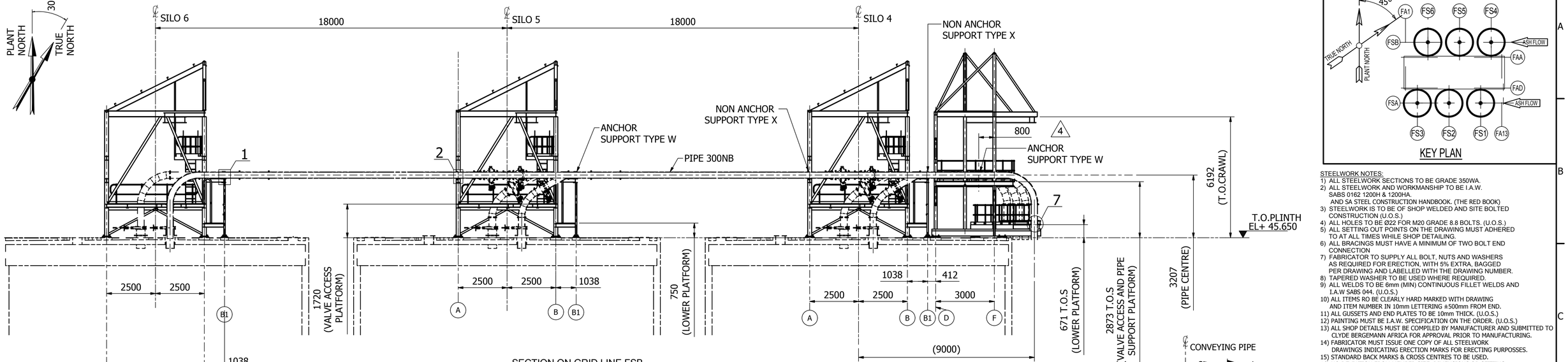
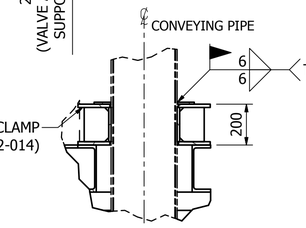


SECTION ON GRID LINE FSB
SCALE: (1 : 100)

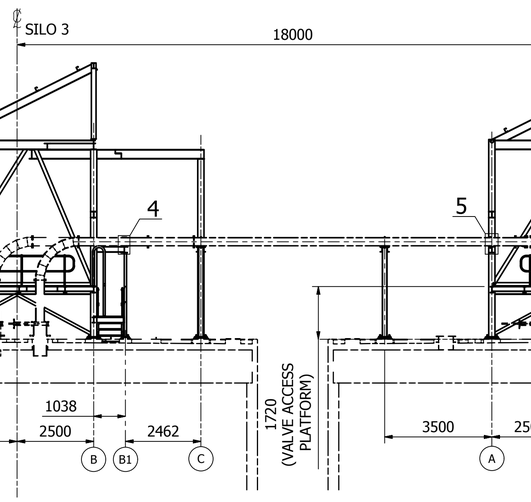
ISSUED FOR CONSTRUCTION

KEY PLAN

STEELWORK NOTES:
1) ALL STEELWORK SECTIONS TO BE GRADE 350WA.
2) ALL STEELWORK AND WORKMANSHIP TO BE I.A.W. SABS 0162 1200H & 1200HA. AND SA STEEL CONSTRUCTION HANDBOOK. (THE RED BOOK)
3) STEELWORK IS TO BE OF SHOP WELDED AND SITE BOLTED CONSTRUCTION (U.O.S.)
4) ALL HOLES TO BE Ø22 FOR M20 GRADE 8.8 BOLTS. (U.O.S.)
5) ALL SETTING OUT POINTS ON THE DRAWING MUST ADHERED TO AT ALL TIMES WHILE SHOP DETAILING.
6) ALL BRACINGS MUST HAVE A MINIMUM OF TWO BOLT END CONNECTION
7) FABRICATOR TO SUPPLY ALL BOLT, NUTS AND WASHERS AS REQUIRED FOR ERECTION, WITH 5% EXTRA, BAGGED PER DRAWING AND LABELLED WITH THE DRAWING NUMBER.
8) TAPERED WASHER TO BE USED WHERE REQUIRED.
9) ALL WELDS TO BE 6mm (MIN) CONTINUOUS FILLET WELDS AND I.A.W SABS 044. (U.O.S.)
10) ALL ITEMS RO BE CLEARLY HARD MARKED WITH DRAWING AND ITEM NUMBER IN 10mm LETTERING ±500mm FROM END.
11) ALL GUSSETS AND END PLATES TO BE 10mm THICK. (U.O.S.)
12) PAINTING MUST BE I.A.W. SPECIFICATION ON THE ORDER. (U.O.S.)
13) ALL SHOP DETAILS MUST BE COMPILED BY MANUFACTURER AND SUBMITTED TO CLYDE BERGEMANN AFRICA FOR APPROVAL PRIOR TO MANUFACTURING.
14) FABRICATOR MUST ISSUE ONE COPY OF ALL STEELWORK DRAWINGS INDICATING ERECTION MARKS FOR ERECTING PURPOSSES.
15) STANDARD BACK MARKS & CROSS CENTRES TO BE USED.
16) NO DEVIATION FROM MEMBER SIZE, DIMENSIONS OR SETTING OUT POINTS, UNLESS PERMISSION GRANTED FROM ENGINEER IN WRITING.
17) AFTER SURFACE PROTECTION IS COMPLETED, CRAWL BEAMS MUST BE CLEARLY MARKED WITH S.W.L. AS PER SPECIFICATION IN 150mm HIGH BLACK LETTERS, ON BOTH SIDES OF WEB. (U.O.S.)
18) FABRICATOR TO SUPPLY SUITABLE PACKS UNDER COLUMN BASE PLATES FOR SITE LEVELLING PRIOR TO GROUTING.
19) SHOP DETAILER IS TO ENSURE ADEQUATE DRAINAGE HOLES AT AREAS THAT MAY TRAP WATER.
20) REMOVE ALL BURRS AND SHARP EDGES.

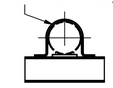


DETAIL 7 (1 : 15) 3



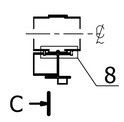
SECTION ON GRID LINE FSA
SCALE: (1 : 100)

250NB ANCHOR HOLD DOWN CLAMP
(SEE MP200-300-40-100-010)



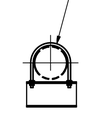
SECTION C-C (1 : 25)

C



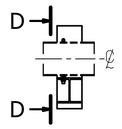
DETAIL 4
ANCHOR SUPPORT TYPE Y
(1 : 25)

250NB NON GRIP U-BOLT
(SEE MP200-300-40-100-010)



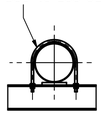
SECTION D-D (1 : 25)

D

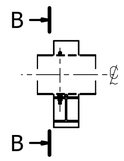


DETAIL 5
NON ANCHOR SUPPORT TYPE Z
(1 : 25)

300NB NON GRIP U-BOLT
(SEE MP200-300-40-100-010)

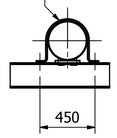


SECTION B-B (1 : 25)

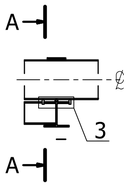


DETAIL 2
NON ANCHOR SUPPORT TYPE X
(1 : 25)

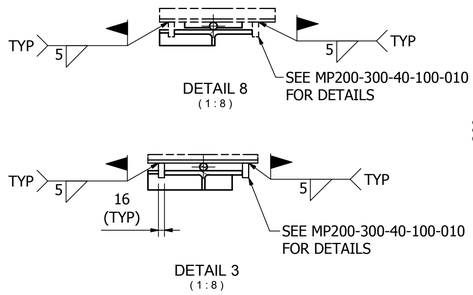
300NB ANCHOR HOLD DOWN CLAMP
(SEE MP200-300-40-100-010)



SECTION A-A (1 : 25)

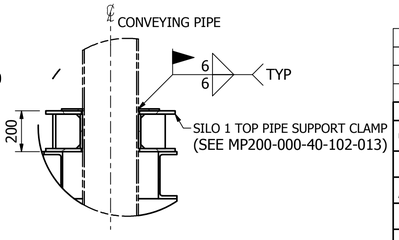


DETAIL 1
ANCHOR SUPPORT TYPE W
SCALE: (1 : 25)



DETAIL 8 (1 : 8)

DETAIL 3 (1 : 8)



DETAIL 6 (1 : 15)

-	4	2012/06/05	UPDATE TO COMMENTS (MP200-0165)	SM	RvW	T.B			
-	3	2012/05/08	ADD PIPE CLAMP DETAIL (MP200-145)	SM	RvW	T.B			
-	2	2012/04/25	ADD ANCHOR DETAIL, CHANGE SPLICE DETAIL (MP200-0140)	SM	RvW	T.B		38913, 921	SILO CRAWL STRUCTURES
-	1	2011/11/29	CHANGE ACCESS PLATFORMS (MP200-0083)	SM	RvW	T.B		39032	WATERTANK STRUCTURE G.A
-	0	2011/11/10	ISSUED FOR DESIGN (MP200-0072)	S.M	RvW	T.B		38766	SILO ROOF LAYOUT AND LOADS
D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP	0.90	REFERENCE DRAWINGS
			INDEX REFERENCE :						

DRG REGISTER			AUTHORISED FOR ESKOM BY / DATE
DESIGN APPROVED			
KKS APP.			
DO AUTH.	2011/11/10	T.B	
CHKD BY	2012/05/09	RvW	
DRAWN BY	2011/11/05	S.M	
SCALE	A/S		

KUSILE POWER STATION
DUST HANDLING AND CONDITIONING PLANT
TOP OF SILO PIPE SUPPORT AND CRAWL STRUCTURE G.A

MP200-300-40-100-000

0.90/39026

SPF CODE	SHEET	REV
-	2/2	4

D:\Workspace\Designs\MP200\Phase-4\Drawings\MP200-300-40-100-000 - TOP OF SILO PIPE SUPPORT AND CRAWL STRUCTURES G.A.idw

Size **A1**