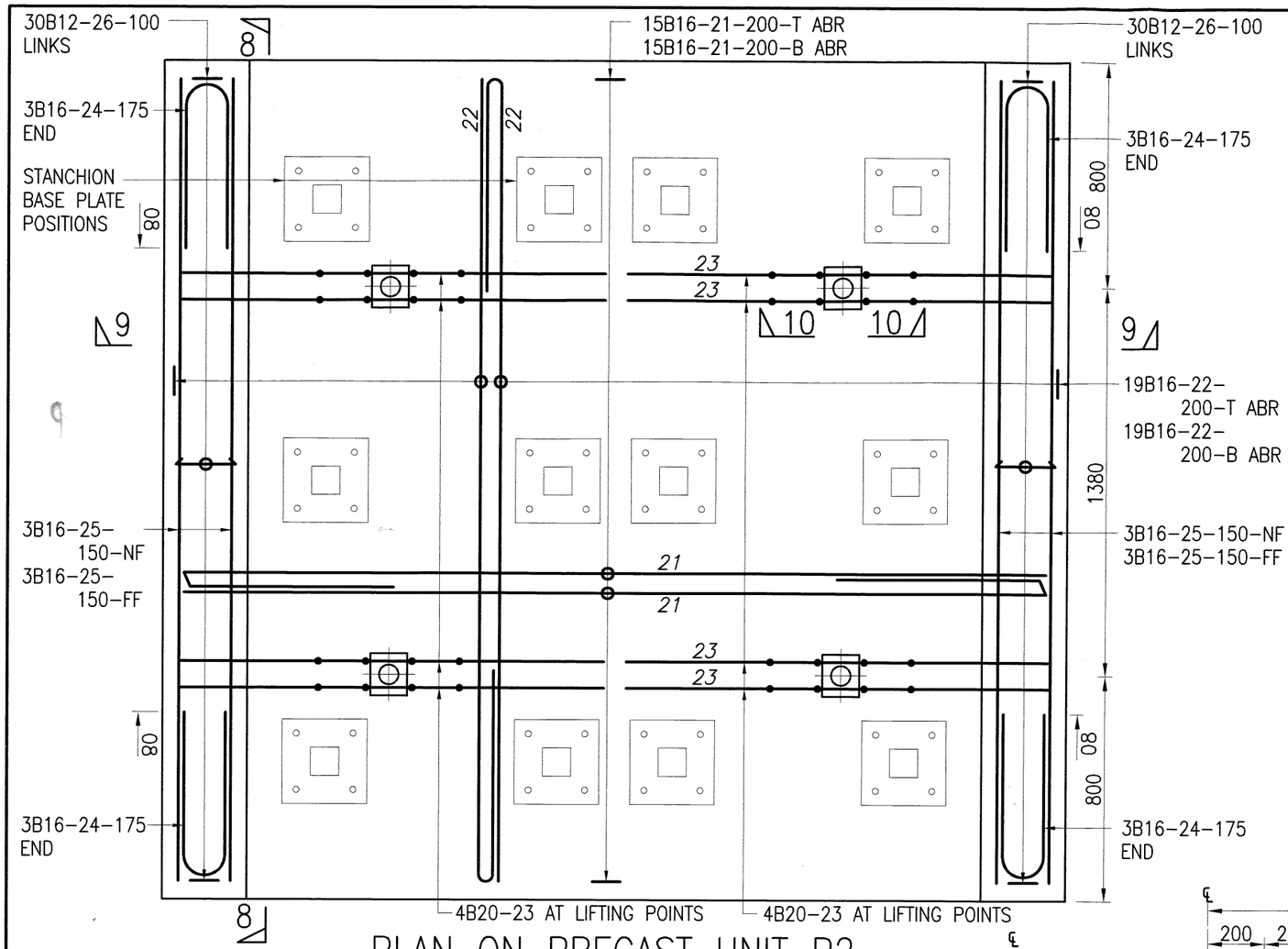
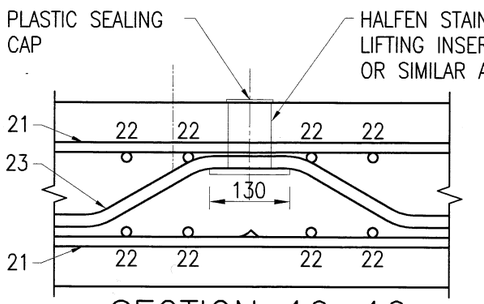


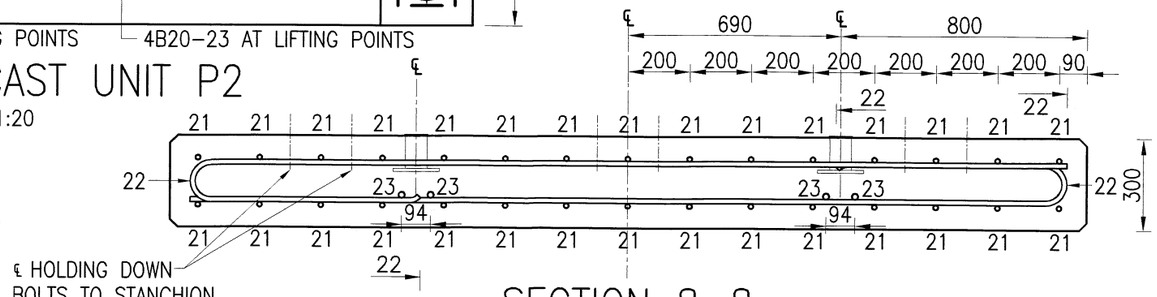
PLAN ON PRECAST UNIT P2

SCALE 1:20



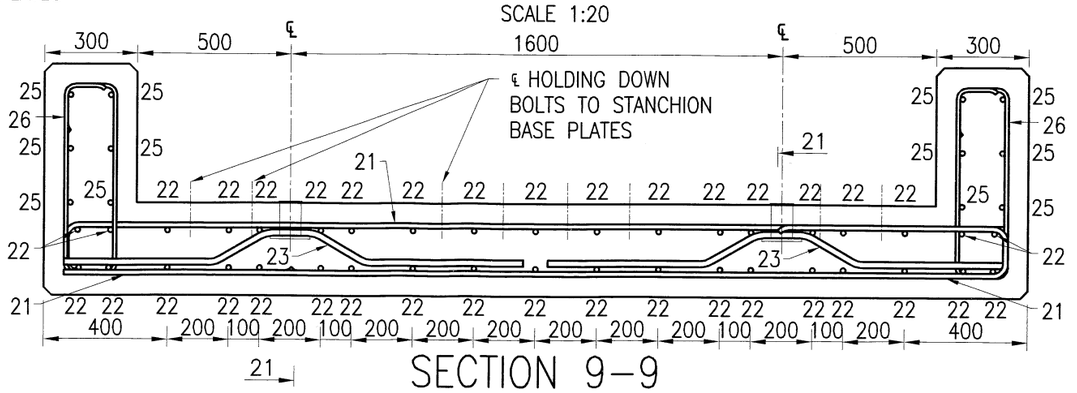
SECTION 10-10

SCALE 1:10



SECTION 8-8

SCALE 1:20



SECTION 9-9

SCALE 1:20

8. REINFORCEMENT: –

No. OF BARS – BAR TYPE – BAR DIAMETER – BAR MARK – BAR SPACING – T = TOP, B = BOTTOM

14 B 16 – 01 – 220 – T

ABR = ALTERNATE BARS REVERSED
NF = NEAR FACE / FF = FAR FACE

9. ALL BURIED CONCRETE SURFACES SHALL BE PAINTED TO WITHIN 300mm OF FINISHED GROUND LEVEL IN ACCORDANCE WITH CLAUSE 2004 PRIOR TO LIFTING.
10. THE PRECAST UNIT SHALL NOT BE CRANED UNTIL THE CONCRETE HAS A MINIMUM COMPRESSIVE STRENGTH OF 15N/mm².
11. THE CONTRACTOR SHALL NOTE THE CRITICAL SETTING OUT POSITIONS OF THE LIFTING INSERTS AND BAR MARKS 21, 22 AND 23 TO AVOID CLASHES WITH BASE PLATE FIXINGS.
12. THE CONTRACTOR SHALL ENSURE BAR MARK 23 LOOPS OVER THE TOP OF THE LIFTING INSERT BASE PLATE AND IS ORIENTATED CORRECTLY TO SATISFY MINIMUM COVER.

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL EXPOSED ARISSES SHALL BE 25 X 25 CHAMFER UNLESS SHOWN OTHERWISE.
3. CONCRETE SHALL BE PAV2 C32/40 USING FREEZE-THAW AGGREGATES (20MM), AIR ENTRAINMENT OF 4.5% BY VOLUME AND A MINIMUM CEMENT CONTENT OF 340kg/m³. CONCRETE FINISHES SHALL BE:-
   - U3 – TOP OF CONCRETE UPSTANDS
   - U2 – ALL OTHER UNFORMED SURFACES
   - F3 – ALL EXPOSED FORMED SURFACES
   - F1 – ALL UNEXPOSED FORMED SURFACES
4. NOMINAL COVER SHALL BE 65mm WHICH INCLUDES AN ALLOWANCE FOR DEVIATION OF 15mm. IE MINIMUM COVER SHALL BE 50mm UNLESS NOTED OTHERWISE.
5. BAR TYPE B SHALL BE GRADE B500B OR GRADE B500C RIBBED BARS TO BS4449:2005. TYING WIRE TO ALL REINFORCEMENT SHALL BE 1.2mm DIAMETER STAINLESS STEEL. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
6. THE P2 UNIT SHALL BE LIFTED USING 4 No. HALFEN PRECAST INSERT SYSTEM OR SIMILAR APPROVED. THE LIFTING INSERTS SHALL BE Rd52 STAINLESS STEEL WITH COMPATIBLE PLASTIC SEALING CAPS AND SWIVEL LIFTING EYES. THE UNIT SHALL ONLY BE LIFTED AT THE POINTS SHOWN ON THE DRAWING USING 3 SPREADER BEAMS.
7. THE CONTRACTOR SHALL SCABBLE ALL CONSTRUCTION JOINTS PRIOR TO SUBSEQUENT POURS.

REV	AMENDMENTS	DATE	CAD	CHKD	APPD
–	–	-.-.-	–	–	–

CONSULTANT

Hampshire County Council Engineering Consultancy

STUART JARVIS BSc DipTP FCIHT MRTPI: DIRECTOR OF ECONOMY, TRANSPORT & ENVIRONMENT

SCHEME

STANDARD DETAILS

DRAWING TITLE

PRECAST CATTLE GRID REINFORCEMENT DETAILS FOR PRECAST UNIT P2

HCC CADplot: 24.Aug.2015 at 3:34pm

DRAWN	CHECKED	SCALE @ A3
RAH	JB	AS SHOWN
CAD	APPROVED	DATE
AC	PW	JULY 2015
DRG No.		REVISION
HCC10/M/115		-

HCC CADfile: K:\Eng\CAD\Drawings\BRIDGES\PRECAST CATTLE GRID\AutoCAD\General\HCC10_M_110_115_120_125.dwg

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