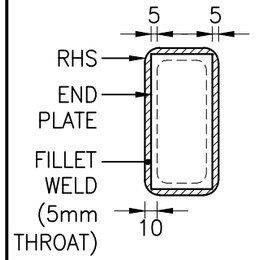
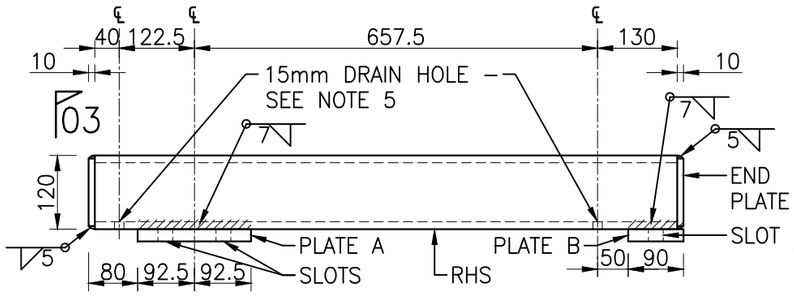


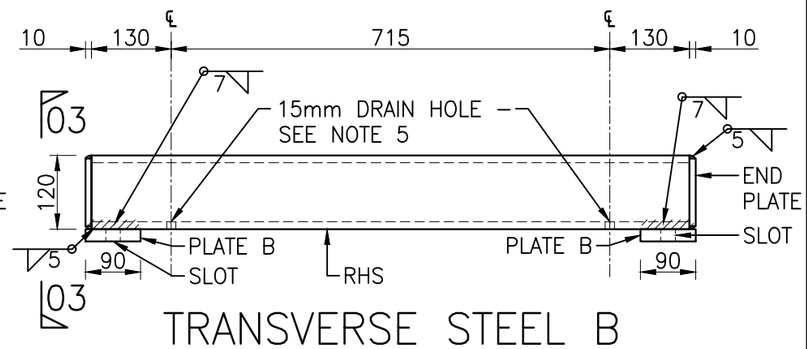
SECTION ON 03–03

SCALE 1:5



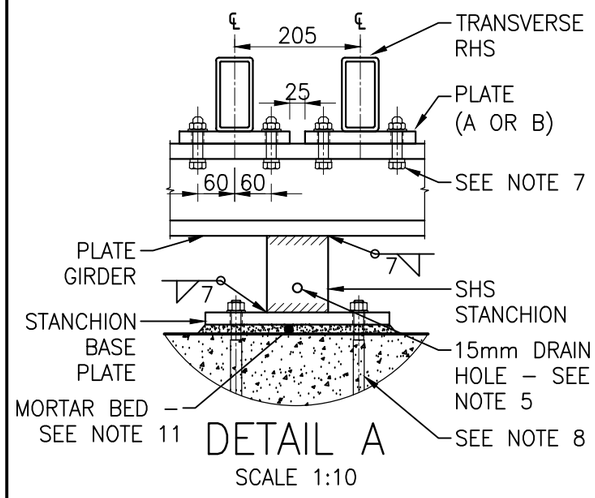
TRANSVERSE STEEL A

SCALE 1:10



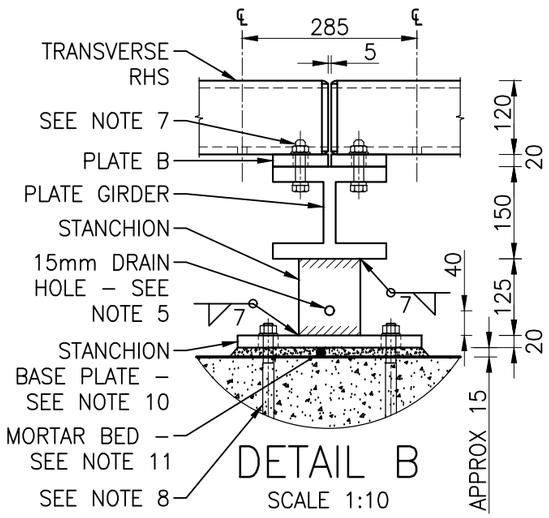
TRANSVERSE STEEL B

SCALE 1:10



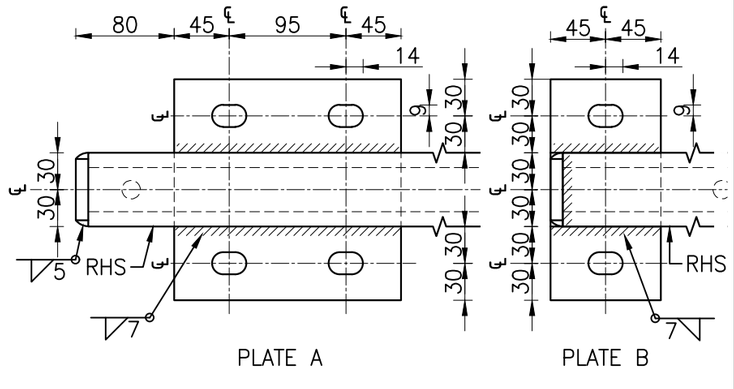
DETAIL A

SCALE 1:10



DETAIL B

SCALE 1:10



PLANS ON ENDS OF RHS

SCALE 1:5

ELEMENT	CROSS SECTION (mm)	LENGTH (mm)	STANDARD
TRANSVERSE RHS A	120x60x10	950	10210–1 S355 J2
TRANSVERSE RHS B	120x60x10	975	10210–1 S355 J2
END PLATE	110x50	10	10025–2 S275 J2
PLATE A	180x185	20	10025–2 S275 J2
PLATE B	180x90	20	10025–2 S275 J2
PLATE GIRDER	SEE PLATE GIRDER SECTION	1220	10025–2 S355 J2
SHS STANCHION	100x100x10	125	10210–1 S355 J2
STANCHION BASE PLATE	300x300	20	10025–2 S275 J2

TABLE 2

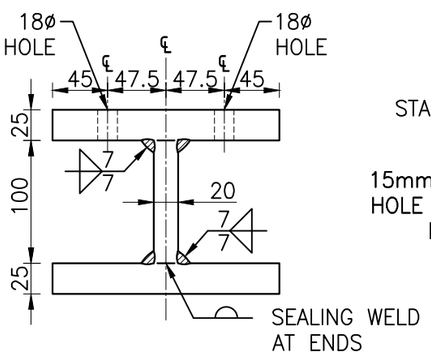
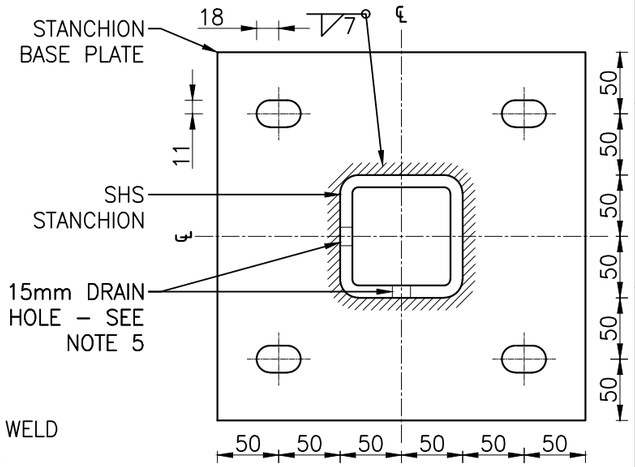


PLATE GIRDER SECTION

SCALE 1:5



PLAN ON STANCHION BASE PLATE

SCALE 1:5

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
3. THE CONTRACTOR SHALL ENSURE THE FINISHED LEVEL AT THE TOP OF THE RHS IS FLUSH TO THE LEVEL OF THE CONCRETE END WALLS. THIS SHALL BE ACHIEVED BY CONSIDERING THE LENGTH OF THE FABRICATED STEEL WORK AND VARYING THE THICKNESS OF THE MORTAR BED ACCORDINGLY USING SHIMS.
4. ALL STEELWORK SHALL BE HOT DIPPED GALVANISED TO CLAUSE 1909. THE CONTRACTOR SHALL NEITHER DRILL HOLES THROUGH, NOR WELD ANY STEEL WORK AFTER IT HAS BEEN GALVANISED.
5. THE FABRICATOR SHALL DRILL DRAIN HOLES IN THE STEEL WORK FOR VENTING GASES DURING GALVANISATION.
6. ALL FILLET WELDS SHALL BE CONTINUOUS AND HAVE A 7mm THROAT THICKNESS UNLESS OTHERWISE SHOWN.
7. THE PRELOADED TENSION BOLD/NUT ASSEMBLY SHALL BE EN14399–3–HR–M16x80–8.8/10–tZn–K0 AND TIGHTENED USING THE PART–TURN METHOD.
8. FIXINGS SHALL BE CHEMFIX CHEMSTUDS M20 (260mm LENGTH), CARBON STEEL 8.8 GRADE SECURED USING CHEMFIX SUPERCAP SPIN–IN TYPE OR SIMILAR APPROVED.
9. THE CONTRACTOR SHALL SATISFY HIMSELF THAT ALL STEELWORK CAN BE SECURED INTO POSITION PRIOR TO TRANSPORTATION TO SITE.
10. A PERIOD OF 1 DAY SHALL BE ALLOWED BETWEEN THE INSTALLATION OF THE STANCHION BASE PLATES AND THE CATTLE GRID BEING OPENED.
11. MORTAR SHALL BE TYPE (I) TO CLAUSE 2404.

REV	AMENDMENTS	DATE	CAD	CHKD	APPD

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SCHEME

STANDARD DETAILS

DRAWING TITLE

PRECAST CATTLE GRID STEEL WORK DETAILS

HCC CADplot: 25.Feb.2020 at 3:33pm

DRAWN	CHECKED	SCALE @ A3
RAH	JB	AS SHOWN
CAD	APPROVED	DATE
AC	BH	March 2020
DRG No.		REVISION
HCC11/M/105		

H:\CC CADfile V:\Engl Standard\AutoCAD\Standard Details (Secure) As Updated Dec 2011\HCC11 2020 STANDARD DETAILS\M Series\M 105.dwg