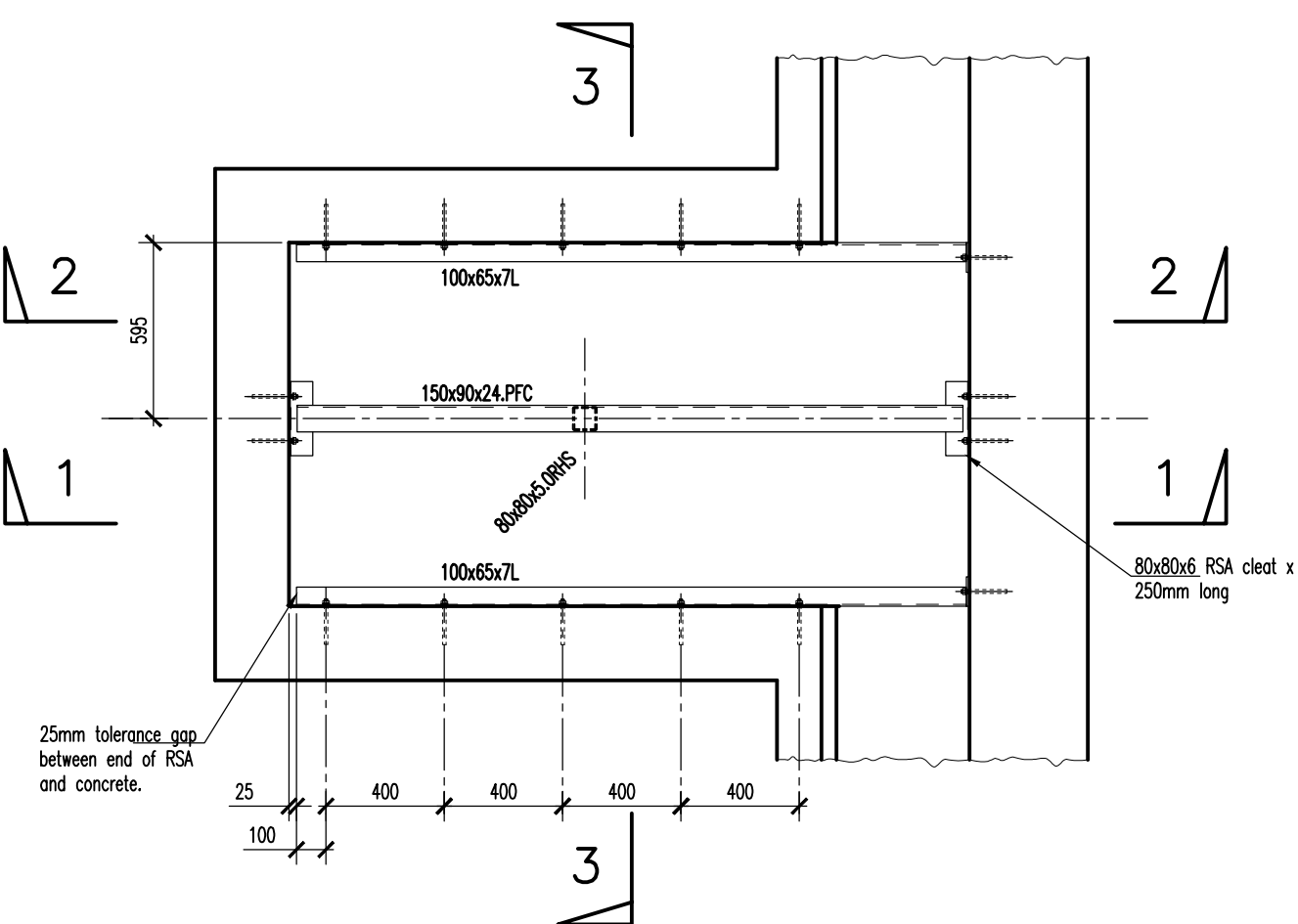
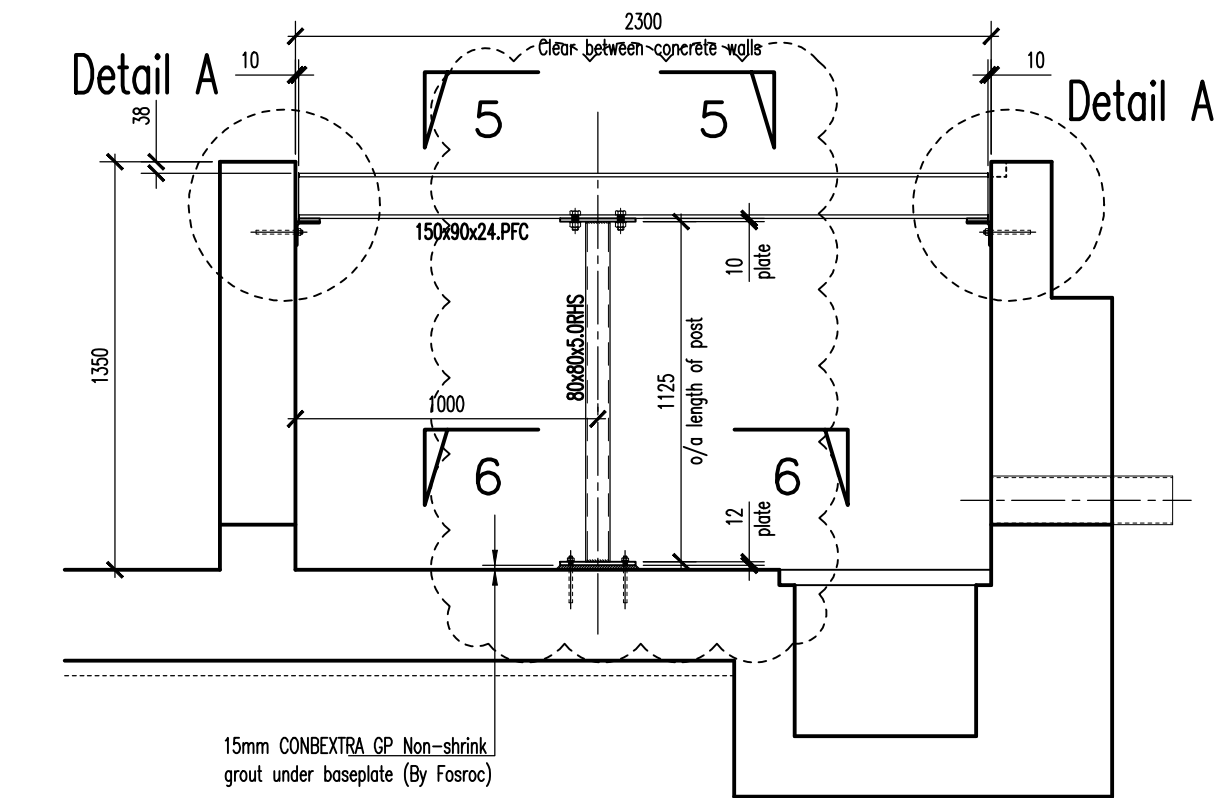


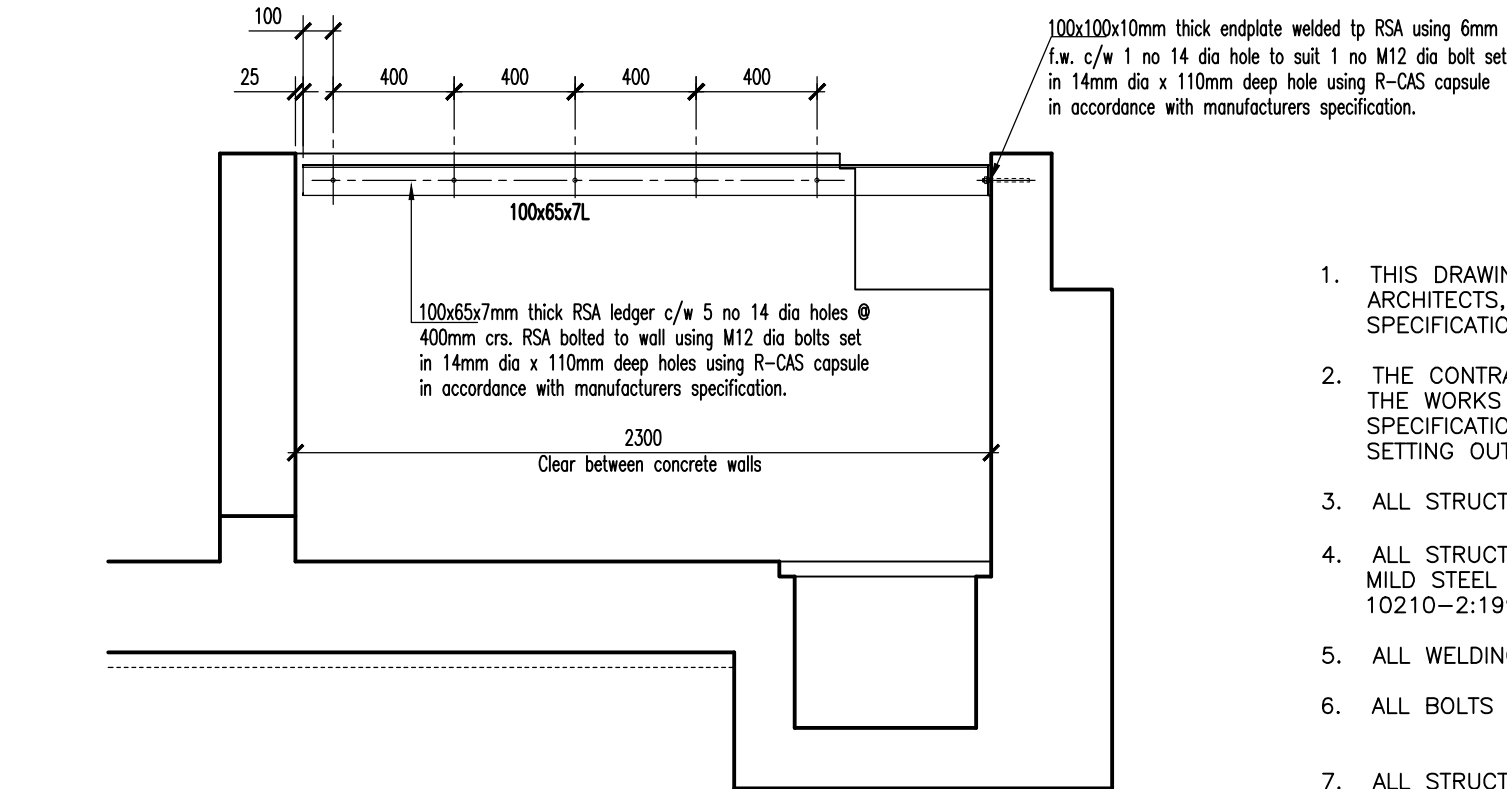
All steelwork is to be galvanised.



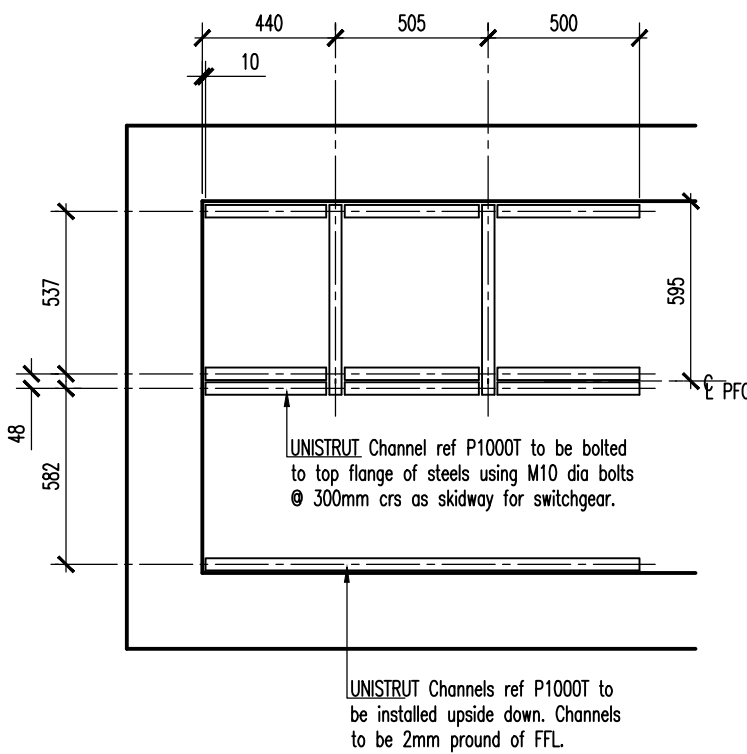
Plan Showing Steelwork Arrangement



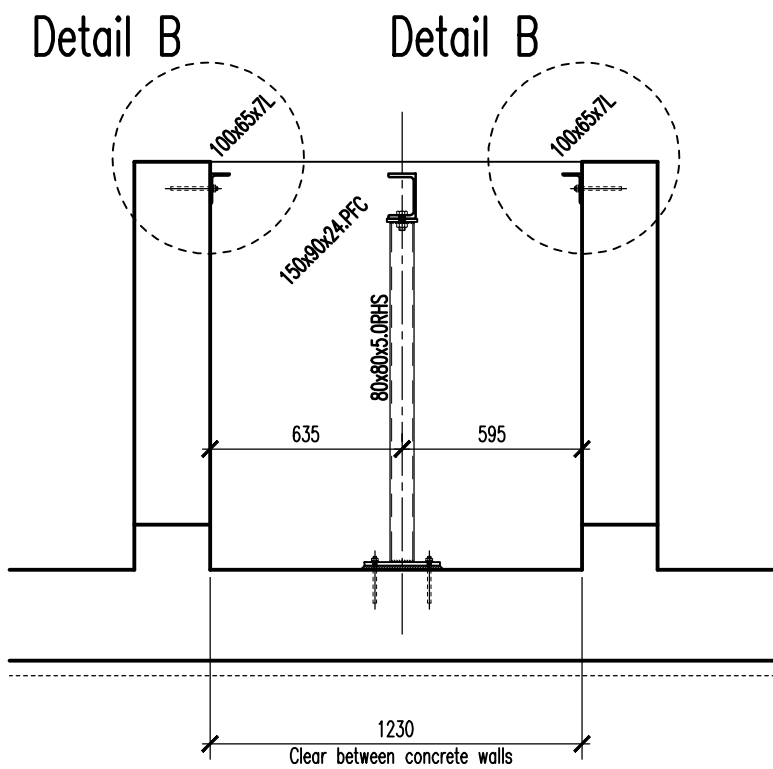
Section 1-1



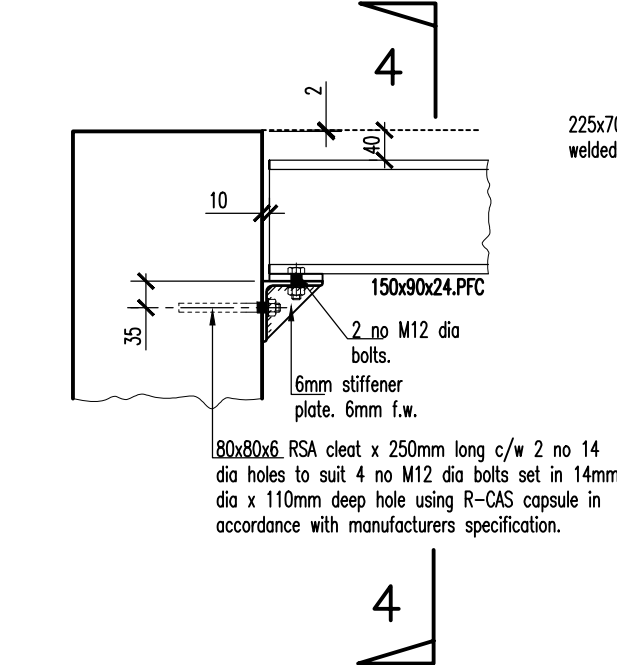
Section 2-2



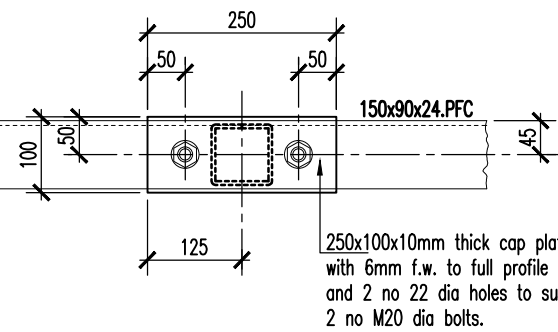
Unistrut Arrangement



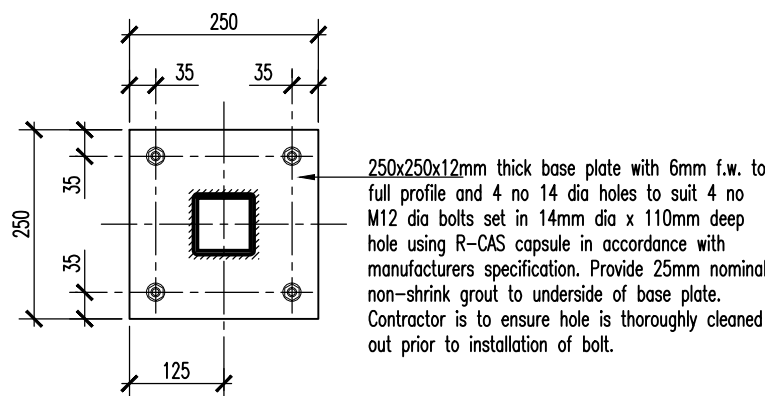
Section 3-3



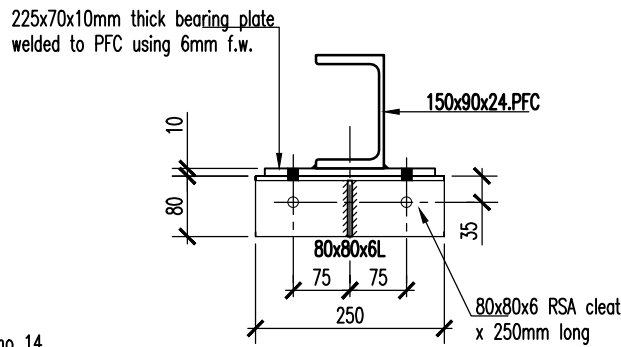
Detail A
Support Cleat Detail



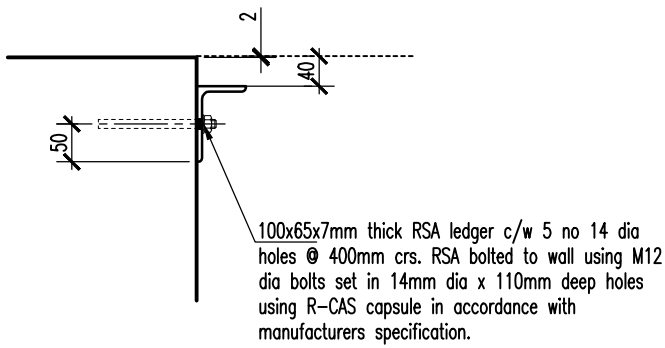
Plan 5-5
Headplate Detail



Plan 6-6
Baseplate Detail



Section 4-4



Detail B
Support Cleat Detail

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NOLAN ASSOCIATES

**PRELIMINARY
DRAWING**

NOT TO BE USED FOR CONSTRUCTION

P1	Preliminary	KH	ARW	31.07.15
REV	DESCRIPTION	BY	CHKD	DATE

GF Energy
Timet, Swansea

Substation Steelwork Details



NOLAN ASSOCIATES
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Drawn by RW	Date 25.06.15	Plot Date 25.06.15	Scale 1: 50@A2
Checked by ARW	Project No 2015-193	Dwg No 013	P1

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXECUTION OF THE WORKS IN ACCORDANCE WITH THE DRAWINGS AND THE SPECIFICATION, AND FOR THE ACCURACY OF ALL DIMENSIONS AND SETTING OUT ON SITE.
- ALL STRUCTURAL STEELWORK SHALL COMPLY WITH BS.5950-1:2000.
- ALL STRUCTURAL STEELWORK TO BE GRADE S275 (U.N.O.) BRITISH MILD STEEL TO BS EN 10056-1:1999, BS.4-1:1993, BS EN 10210-2:1997 AND BS EN 10219-2:1997.
- ALL WELDING ELECTRODES TO BS EN 499:1995.
- ALL BOLTS TO BE GRADE 8.8 ZINC PLATED.
- ALL STRUCTURAL STEELWORK TO BE BLAST CLEANED TO BS EN ISO 8501-1:2001, GRADE SA 2.5, FOLLOWED BY A HIGH BUILD ZINC PHOSPHATE PRIMER TYPE MP 199, TO 75 MICRON DRY FILM THICKNESS.
- THE STEELWORK CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY BRACING DURING ERECTION, AND FOR ALL SHOP DETAILS AND FABRICATION DRAWINGS. THE FABRICATION DRAWINGS SHALL BE SUBMITTED, IN DUPLICATE, TO THE ENGINEER FOR COMMENT, A MINIMUM OF 15 WORKING DAYS PRIOR TO FABRICATION.
- ALL HOT DIP GALVANISED STEELWORK SHALL BE CLEANED, AND PREPARED TO ACHIEVE A MINIMUM COATING OF 940g/m² IN ACCORDANCE WITH BS EN ISO 1461:1999.
- THE CONTRACTOR SHALL ALLOW FOR ANY AMENDMENT OF FABRICATION DETAILS ARISING FROM ENGINEERS COMMENTS.
- THE BEARING END OF ALL COLUMNS SHALL BE ACCURATELY MACHINED TO PROVIDE A FLAT AND TRUE SURFACE. SLAB BASE PLATES, EXCEPT WHEN CUT FROM MATERIAL WITH TRUE SURFACES, SHALL BE ACCURATELY MACHINED OVER THE BEARING SURFACE, AND SHALL BE IN EFFECTIVE CONTACT WITH THE END OF THE COLUMN DURING WELDING.