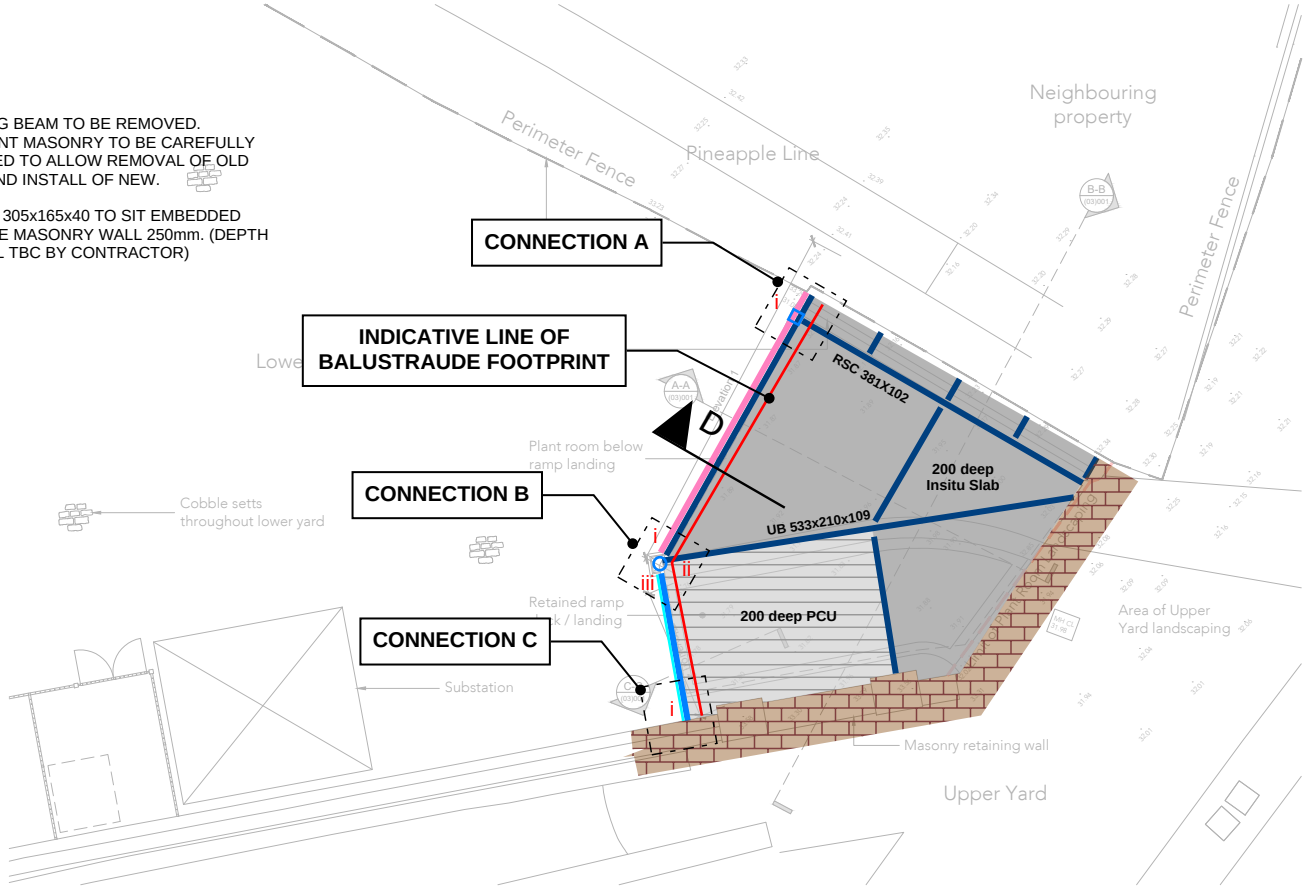
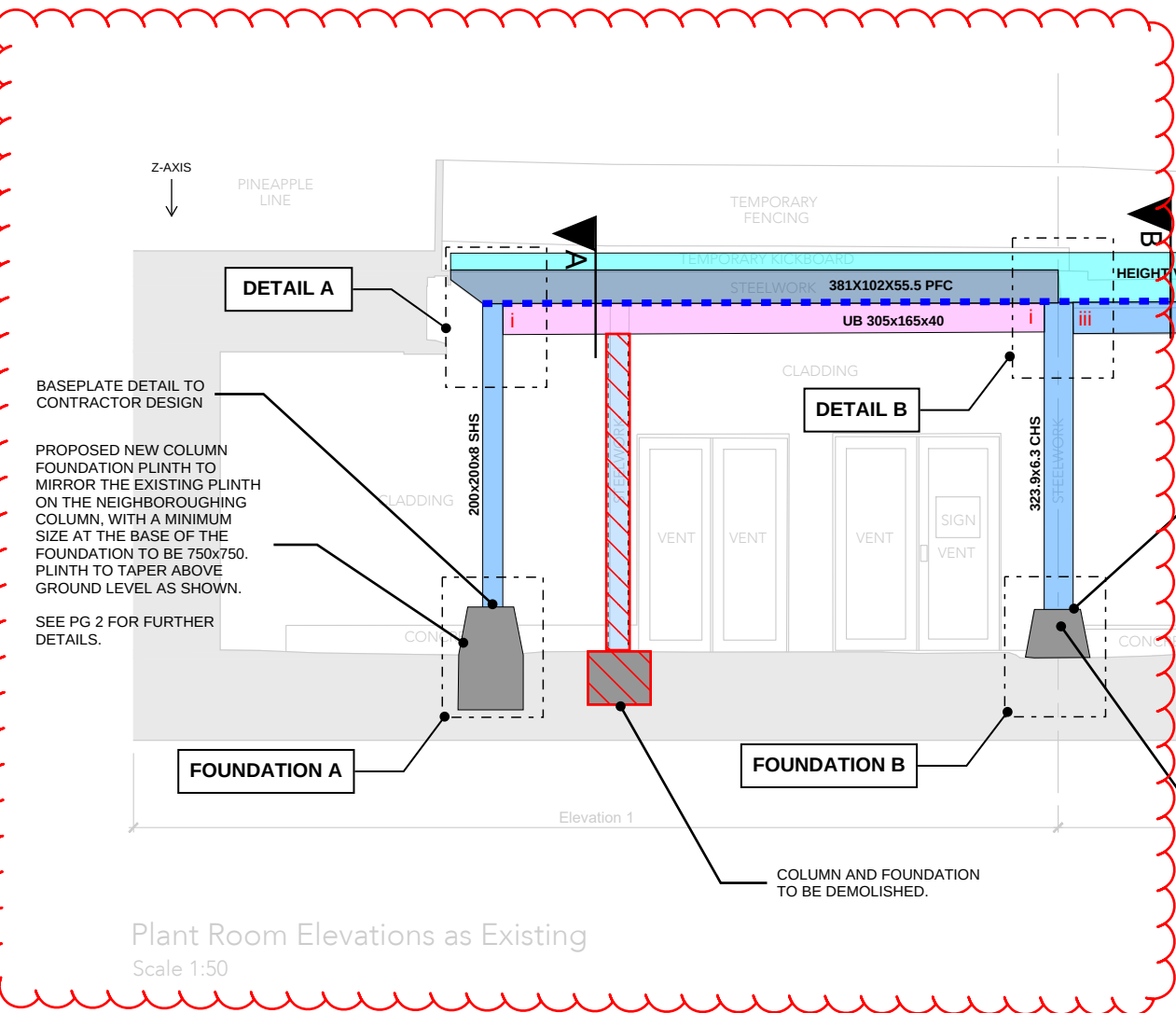




CONNECTION FORCES TABLE

Reference	Sub Ref.	Incoming Member Size	Axial Force (kN)	Shear Force Major (kN)	Shear Force Minor (kN)	Moment Major (kNm)	Moment Minor (kNm)
Detail A	i	UB 305x165x40	*200	200	5	-	-
Detail B	i	UB 305x165x40	*90	90	5	-	-
Detail B	ii	UB 533x210x109	*170	170	5	-	-
Detail B	iii	UB 305x165x40	*85	85	5	-	-
Detail C	i	UB 305x165x40	*85	85	5	-	-
Foundation A		SHS 200x200x8	200	5	5	-	-
Foundation B		CHS 323.9x6.3	340	5	5	-	-

Major axis is in the Z direction
All loads are to ULS Design
* Axial load stated is tie force.

H8 L-BARS TO BE STAGGERED AT 150mm C/C. BAR SIZE TO SUIT UPSTAND DIMENSIONS. TO BE RESIN-FIXED INTO UNDERLYING CONCRETE.

INSITU CONCRETE:
HIT-HY 200-A V3 INJECTION MORTAR WITH H8 U-BARS WITH MIN 90mm EMBEDMENT DEPTH h_{ef}.

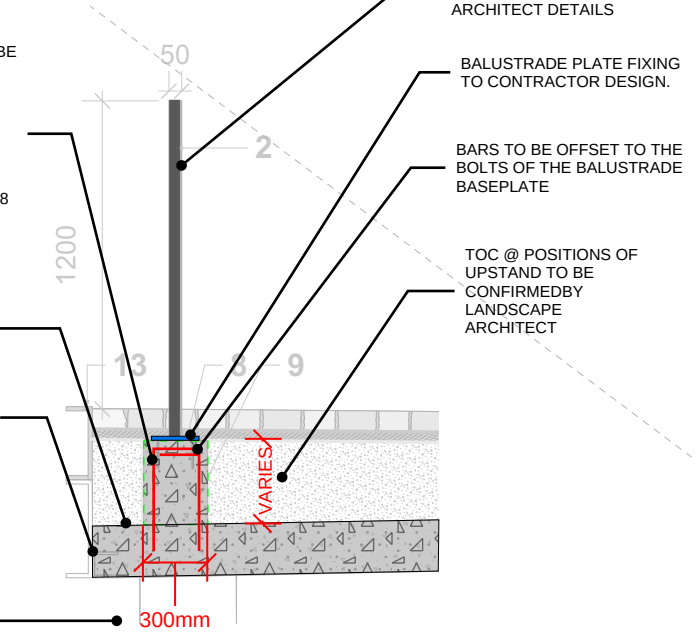
PCU:
HIS-N INTERNALLY THREADED SLEEVE WITH H8 U-BARS WITH MIN 90mm EMBEDMENT DEPTH h_{ef}.

WATERPROOFING LINE TO BE DETERMINED BY ARCHITECT / LANDSCAPE ARCHITECT

EXISTING 200mm INSITU CONCRETE SLAB OR 200mm DEEP PCU.

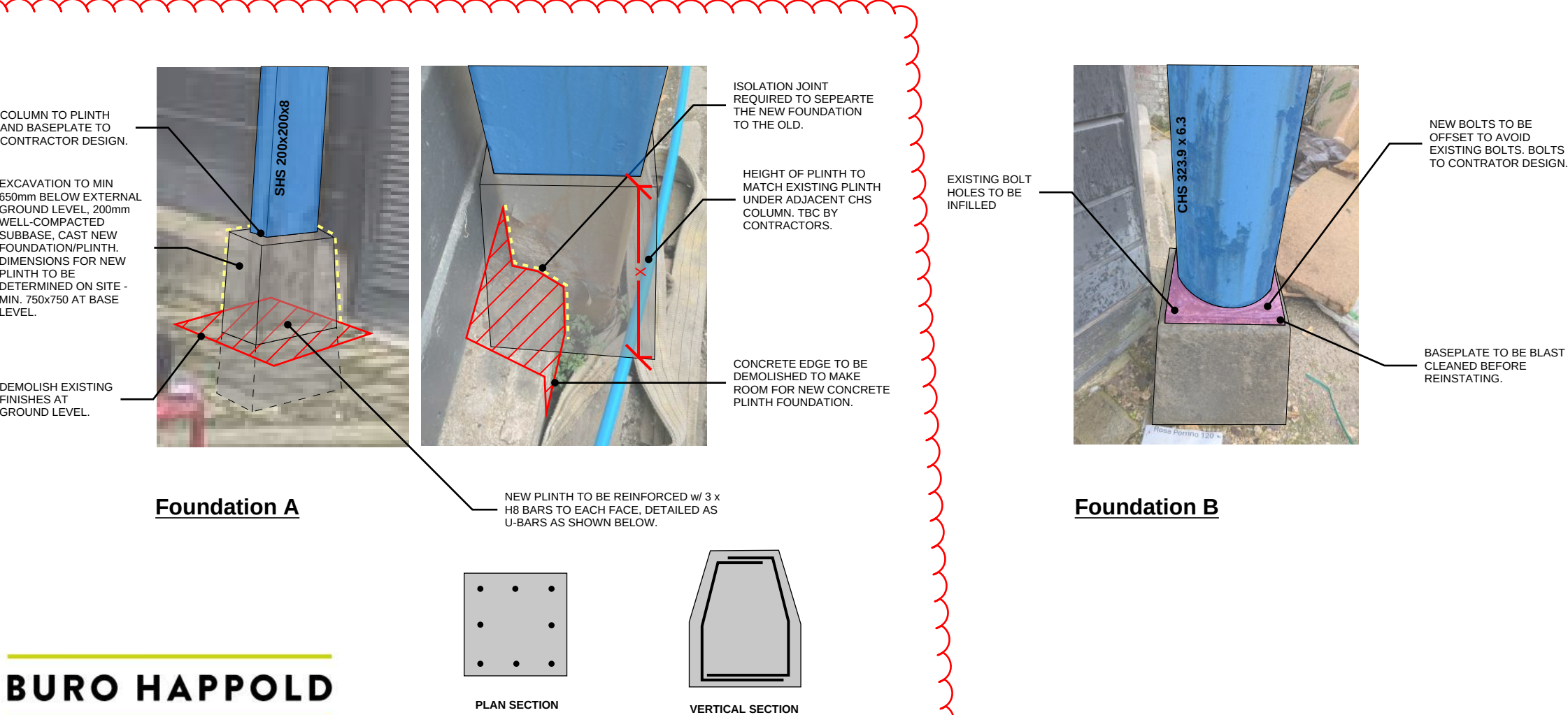
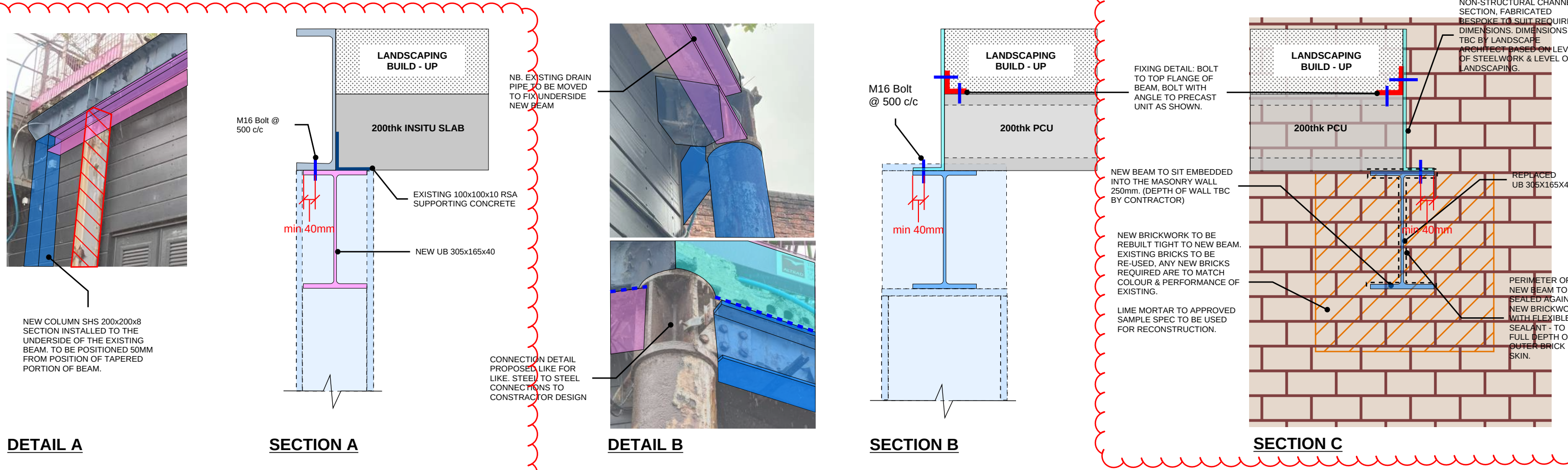
NEW CONCRETE UPSTAND CAST WIDTH 300mm

SECTION D - BALUSTRAUDE FIXING



- EXISTING STEEL STRUCTURE TO REMAIN IN PLACE
- STEELWORK REPLACED LIKE FOR LIKE
- NEW STEELWORK TO BE INSTALLED
- NEW PLATE TO TRIM SLAB EDGE OF PLANTROOM ROOF
- DEMOLITION
- M16 BOLTS @ 500mm C/C BETWEEN NEW & RETAINED STEELWORK

- NB**
- ALL DIMENSIONS TBC ON SITE BY CONTRACTOR.
 - ALL CONCRETE TO BE NORMAL WEIGHT C32/40. WITH COVER OF 50mm TO ANY REBAR OR BOLTS.
 - ALL STEEL TO BE BLAST CLEANED AND REPAINTED TO SITEWIDE STEEL SPECIFICATION.
 - ALL STEEL TO STEEL CONNECTIONS TO BE TO CONTRACTOR DESIGN.
 - BASEPLATE TO BE TO SUBCONTRACTOR DESIGN.
 - CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS DESIGN. CONTRACTOR TO ENSURE EXISTING STRUCTURE IS APPROPRIATELY SUPPORTED IN THE TEMPORARY CASE DURING CONSTRUCTION.
 - SEE BH DRG: SIM-BHE-XX-XX-DR-S-0010 FOR FULL GENERAL NOTES.



- EXISTING STEEL STRUCTURE TO REMAIN IN PLACE
 - STEELWORK REPLACED LIKE FOR LIKE
 - NEW STEELWORK TO BE INSTALLED
 - NEW PLATE TO TRIM SLAB EDGE OF PLANTROOM ROOF
 - DEMOLITION
 - M16 BOLTS @ 500mm C/C BETWEEN NEW & RETAINED STEELWORK
- NB**
- ALL DIMENSIONS TBC ONE SITE BY CONTRACTOR.
 - ALL CONCRETE TO BE NORMAL WEIGHT C32/40. WITH COVER OF 50mm TO ANY REBAR OR BOLTS.
 - ALL STEEL TO BE BLAST CLEANED AND REPAINTED TO SITEWIDE STEEL SPECIFICATION.
 - ALL STEEL TO STEEL CONNECTIONS TO BE TO CONTRACTOR DESIGN.
 - BASEPLATE TO BE TO SUBCONTRACTOR DESIGN.
 - CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS DESIGN. CONTRACTOR TO ENSURE EXISTING STRUCTURE IS APPROPRIATELY SUPPORTED IN THE TEMPORARY CASE DURING CONSTRUCTION.
 - SEE BH DRG: SIM-BHE-XX-XX-DR-S-0010 FOR FULL GENERAL NOTES.