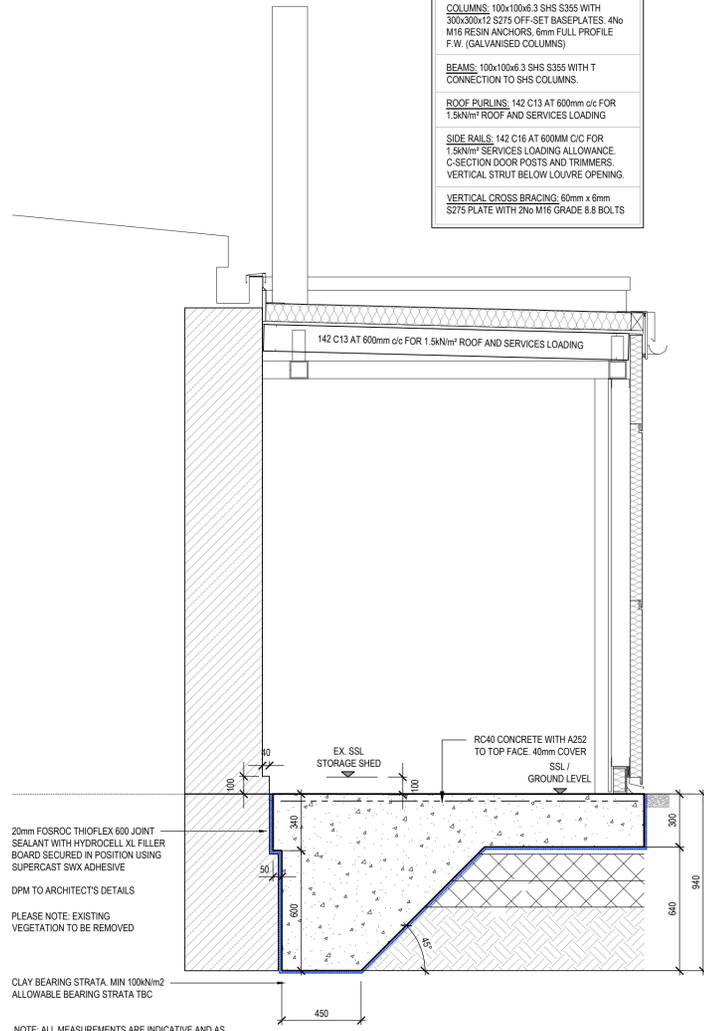
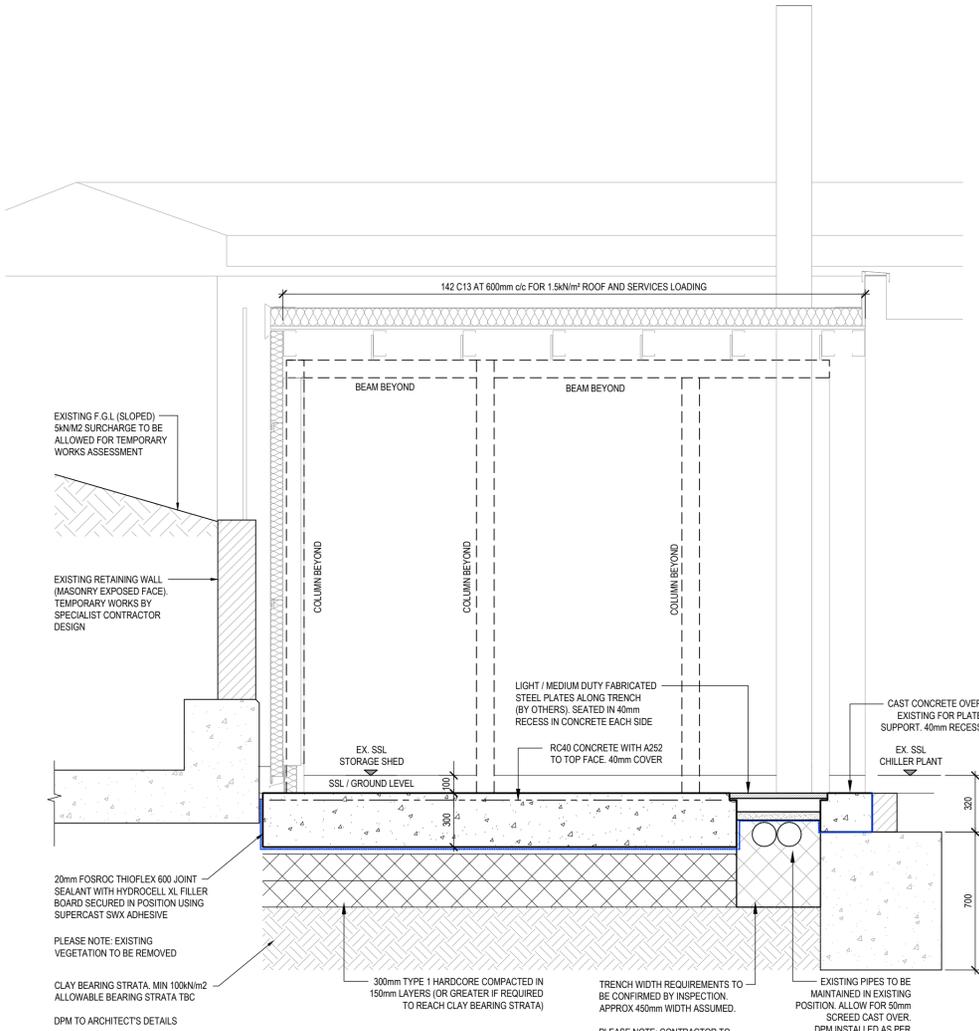


NOTES:
 THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT AND ENGINEERS DRAWINGS AND SPECIFICATION.
 FOR ALL SETTING OUT DIMENSIONS AND DETAILS REFER TO ARCHITECTS DRAWINGS.

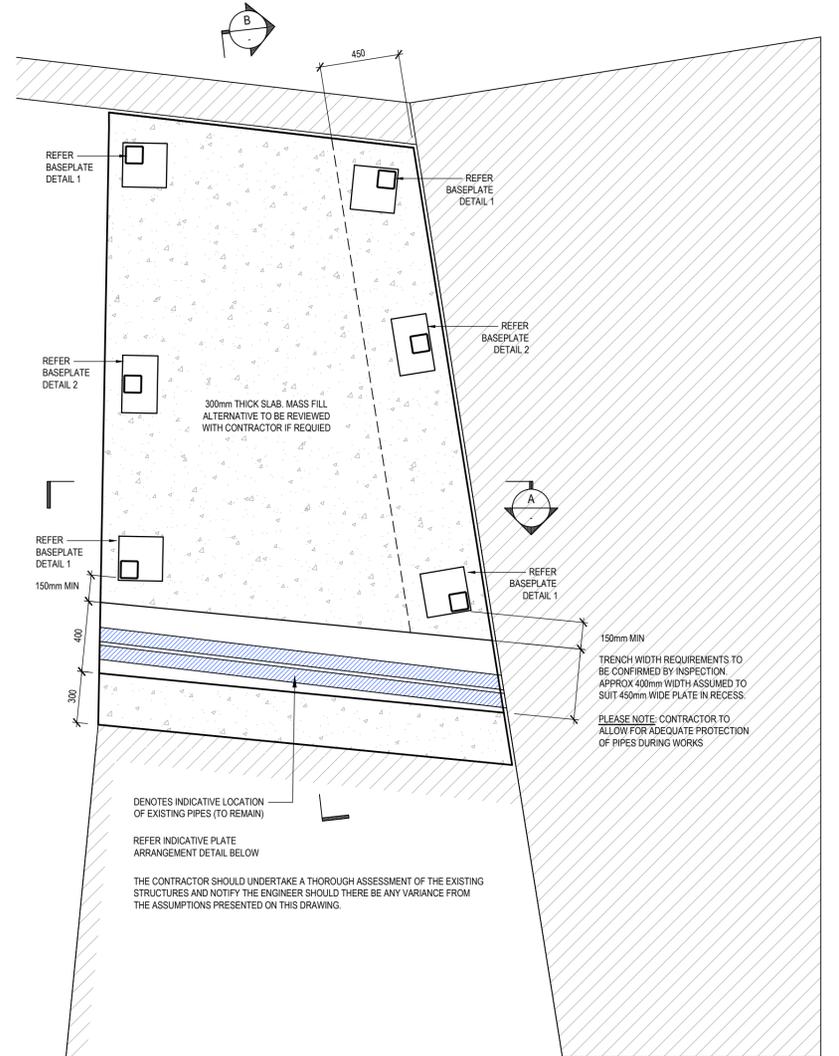
COLUMNS: 100x100x6.3 SHS S355 WITH 300x300x12 S275 OFF-SET BASEPLATES. 4No M16 RESIN ANCHORS, 6mm FULL PROFILE F.W. (GALVANISED COLUMNS)
BEAMS: 100x100x6.3 SHS S355 WITH T CONNECTION TO SHS COLUMNS.
ROOF PURLINS: 142 C13 AT 600mm c/c FOR 1.5kN/m² ROOF AND SERVICES LOADING
SIDE RAILS: 142 C15 AT 600mm c/c FOR 1.5kN/m² SERVICES LOADING ALLOWANCE. C-SECTION DOOR POSTS AND TRIMMERS. VERTICAL STRUT BELOW LOUVER OPENING.
VERTICAL CROSS BRACING: 60mm x 6mm S275 PLATE WITH 2No M16 GRADE 8.8 BOLTS



SECTION A-A
SCALE 1:20

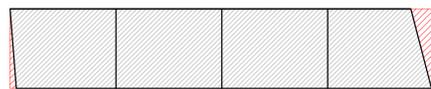


SECTION B-B
SCALE 1:20

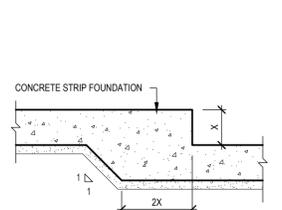


PLAN VIEW - FOUNDATION / SLAB ARRANGEMENT
SCALE 1:20

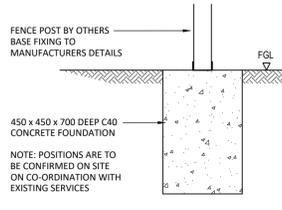
EXAMPLE SHOWN FEATURES 4No. 600x450mm LIGHT / MEDIUM DUTY FABRICATED STEEL PLATES ALONG TRENCH. PLATES AT END CUT TO SUIT AS REQUIRED



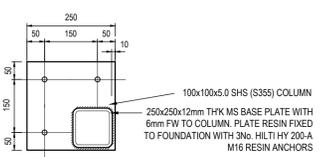
PLAN VIEW - PLATE ARRANGEMENT
(BY OTHERS - DETAIL FOR GUIDANCE ONLY)
SCALE 1:20



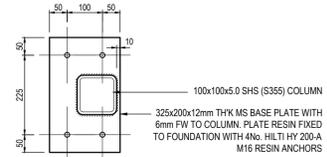
FOUNDATION STEP DETAIL SCALE: NTS



TYPICAL FENCE POST FOUNDATION DETAIL SCALE: 20
DETAIL FOR TENDER STAGE - TO BE AGREED WITH CONTRACTOR PRIOR TO CONSTRUCTION



SHS BASEPLATE DETAIL 1
SCALE 1:20



SHS BASEPLATE DETAIL 2
SCALE 1:20

GENERAL

GENERALLY:
 THIS SPECIFICATION TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS DRAWINGS AND SPECIFICATIONS AND HARLEY HADDOW'S SKETCHES AND ASSOCIATED NOTES. SPECIFICATIONS ETC. ANY DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND THIS SPECIFICATION SHOULD BE INFORMED TO HARLEY HADDOW IMMEDIATELY FOR CLARIFICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING SERVICES ON SITE AND SHALL ENSURE THE SAFE OPERATION OF THESE WHERE THE CLIENT IS IN PARTIAL OCCUPATION OF THE SITE DURING THE WORKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE EXISTING BUILDING FOR THE DURATION OF THE WORKS. THE CONTRACTOR SHALL EMPLOY A COMPETENT PERSON WHO SHALL HAVE PARTICULAR EXPERIENCE IN THE TYPE OF WORKS TO BE UNDERTAKEN AND WORKING KNOWLEDGE OF TEMPORARY SHORINGS AND DEMOLITION WORKS. THE CONTRACTOR SHALL NOTE THE ELEMENTS THAT WILL BE DEPENDANT UPON SITE SIZES TAKEN FROM THE EXISTING BUILDING.
DILAPIDATION SURVEY:
 A DILAPIDATION SURVEY SHALL BE CARRIED OUT AS PER ARCHITECT'S INSTRUCTIONS PAYING SPECIFIC ATTENTION TO ADJACENT BOUNDARY WALL / STRUCTURE.
ALTERATIONS TO DRAWINGS AND SPECIFICATIONS:
 IN THE EVENT OF THE CONTRACTOR WISHING TO CONSTRUCT THE WORKS BY METHODS WHICH INVOLVE REVISIONS AND ALTERATIONS TO THE DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL BEAR THE FULL COSTS OF MAKING SUCH REVISIONS AND ALTERATIONS. ALTERNATIVE PROPOSALS SHALL HAVE THE APPROVAL OF THE STRUCTURAL ENGINEER BEFORE INCORPORATION INTO THE WORKS.
FOR ALL SETTING OUT DIMENSIONS AND DETAILS REFER TO ARCHITECTS DRAWINGS, DETAILS AND SPECIFICATIONS/INSTRUCTIONS.
FOR ALL CONTRACTOR DESIGNED ELEMENTS THE CONTRACTOR IS TO SUBMIT THE FOLLOWING INFORMATION TO THE ENGINEER AT LEAST TWO WEEKS PRIOR TO COMMENCEMENT OF ANY FABRICATION:
 (i) TWO COPIES OF FABRICATION DRAWINGS I.E. DIMENSIONED GENERAL ARRANGEMENTS AND FABRICATION DETAILS AND;
 (ii) CONNECTION CALCULATIONS.
 COMMENT BY THE STRUCTURAL ENGINEER ON THESE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES FOR WORK

FOUNDATIONS:

CARE TO BE EXERCISED TO ENSURE CONTROL OF ANY SURFACE WATER DURING CONSTRUCTION SO AS TO PREVENT SOFTENING OR LOOSENING OF EXPOSED EXCAVATION SURFACES.
 ALL CONCRETE FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH BS8004 1986 & BS8110, PART 1, 1997 ASSUMING REINFORCED CONCRETE CONSTRUCTION ON OR SAND BLINDING AND NORMAL CONDITIONS OF EXPOSURE. MINIMUM NOMINAL COVER AS NOTED ON HARLEY HADDOW DRAWINGS.
 ALL CONCRETE CAST AGAINST UNPREPARED GROUND TO HAVE A MIN. COVER OF 75mm
 CONCRETE GRADES IN ALL FOUNDATIONS TO BE AS FOLLOWS UNO: UPFLL, ENCASEMENT AND HAUNCHING USE DESIGNATED MIX TYPE GEN 1 STRENGTH 15N/mm²
 FOR BLINDING USE DESIGNATED MIX TYPE GEN 1 STRENGTH 25N/mm².
 STRUCTURAL MASS AND REINFORCED CONCRETE USE DESIGNATED MIX RC40 ALL TO BS8500.
 SERVICES PASSING THROUGH THE SUB-STRUCTURE ARE TO BE ISOLATED AND PROTECTED IN ACCORDANCE WITH THE SERVICE ENGINEER'S SPECIFICATION/DETAILS.
CONCRETE NOTES:
 NOTE CDM REGULATIONS IN RESPECT OF MAXIMUM UNIT WEIGHTS AND REPETITIVE LIFTING.
 THE CONTRACTOR SHOULD UNDERTAKE A THOROUGH ASSESSMENT OF THE SITE AND GROUND CONDITIONS AND NOTIFY THE ENGINEER SHOULD THERE BE ANY VARIANCE FROM THE ASSUMPTIONS PRESENTED ON THIS DRAWING.
 THE CONTRACTOR SHOULD UNDERTAKE A THOROUGH ASSESSMENT OF THE EXISTING STRUCTURES AND NOTIFY THE ENGINEER SHOULD THERE BE ANY VARIANCE FROM THE ASSUMPTIONS PRESENTED ON THIS DRAWING.
 READY-MIXED CONCRETE MUST BE USED FOR ALL CONCRETE ELEMENTS INCLUDING FOUNDATIONS AND MUST BE SUPPLIED BY A QSRC REGISTERED COMPANY AND FROM A PLANT HOLDING A CURRENT QSRC CERTIFICATION FOR PRODUCT CONFORMITY. FULLY COMPACT PLACED CONCRETE TO FULL DEPTH (UNTIL AIR BUBBLES CEASE TO APPEAR ON THE TOP SURFACE), ESPECIALLY AROUND REINFORCEMENT, CAST-IN ACCESSORIES, FORMWORK CORNERS AND AT JOINTS. ENSURE AMALGAMATION WITH PREVIOUS BATCHES BUT DO NOT DAMAGE ADJACENT PARTLY HARDENED CONCRETE.
 USE APPROPRIATE TYPE(S) OF MECHANICAL VIBRATION FOR COMPACTING.
 THE CONTRACTOR SHALL ENSURE THE ADEQUATE CURING AND PROTECTION OF ALL PLACED CONCRETE BY THE ADOPTION OF GOOD CONCRETEING PRACTICE.
 PROTECTION MEASURES, FOR CURING PERIODS NOT LESS THAN:-
 SURFACES WHICH, IN THE FINISHED STRUCTURE WILL BE EXPOSED TO THE ELEMENTS AND WEARING SURFACES OF FLOORS AND PAVEMENTS REGARDLESS OF WEATHER CONDITIONS NOT LESS THAN 10 DAYS.
 OTHER STRUCTURAL CONCRETE SURFACES NOT LESS THAN 5 DAYS.

B 01.06.20 TRENCH REVISED COLUMNS MOVED. AD D.G.
 A 28.05.20 SLAB REVISED COLUMNS MOVED. AD D.G.

Rev.	Date	Description	By	Eng
Status				
TENDER				

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 harleyhaddow.com
 Association for Consultancy and Engineering Member Firm

Project Title:
**HORNIMAN MUSEUM
 NORTH HALL BOILER ROOM**

Drawing Title:
**STRUCTURAL FOUNDATION
 DETAILS AND SECTIONS**

Date:	Scale at A1:	Engineer:	Technician:
May 2020	As Noted	D.G.	A.Devine
Drawing Number:		Rev.	
306193-S-100		B	