

PART PLAN FIRST FLOOR
(1:50)

- NOTES:**
- ALL BEAMS 152 x 152UC 37
 - ALL PADSTONES 215 LONG x 100 WIDE x 100mm DEEP

LEGEND

50kN INDICATES TOTAL FACTORED CONNECTION LOAD

ACOUSTIC SCREEN (BY OTHERS)

ALL BEAM SPLICES ARE TO BE DESIGNED FOR THE FOLLOWING ULS LOADS:

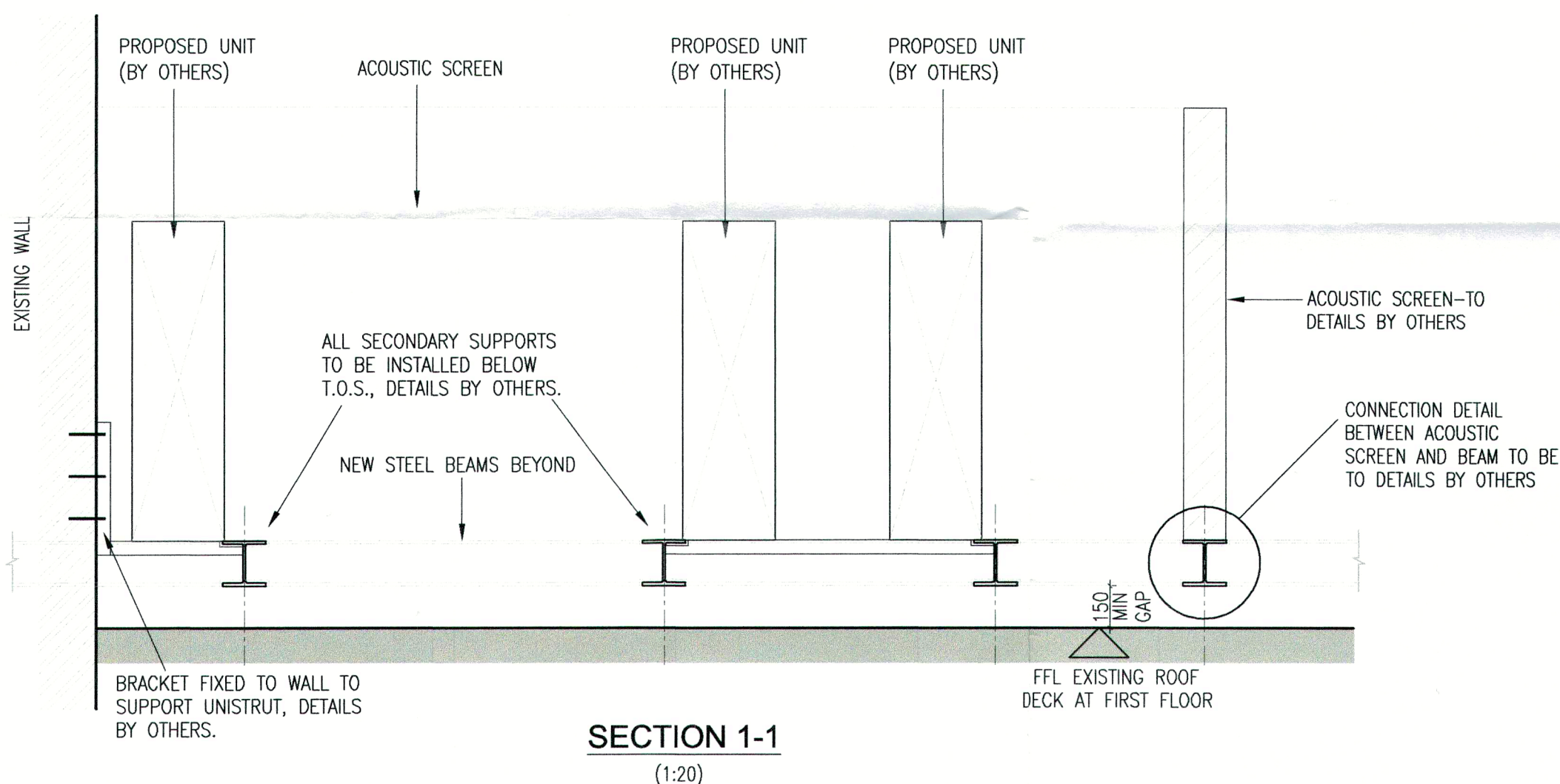
- SHEAR = 35kN
- BENDING = 25kNm

SPLICES TO BE END PLATE SPLICES.

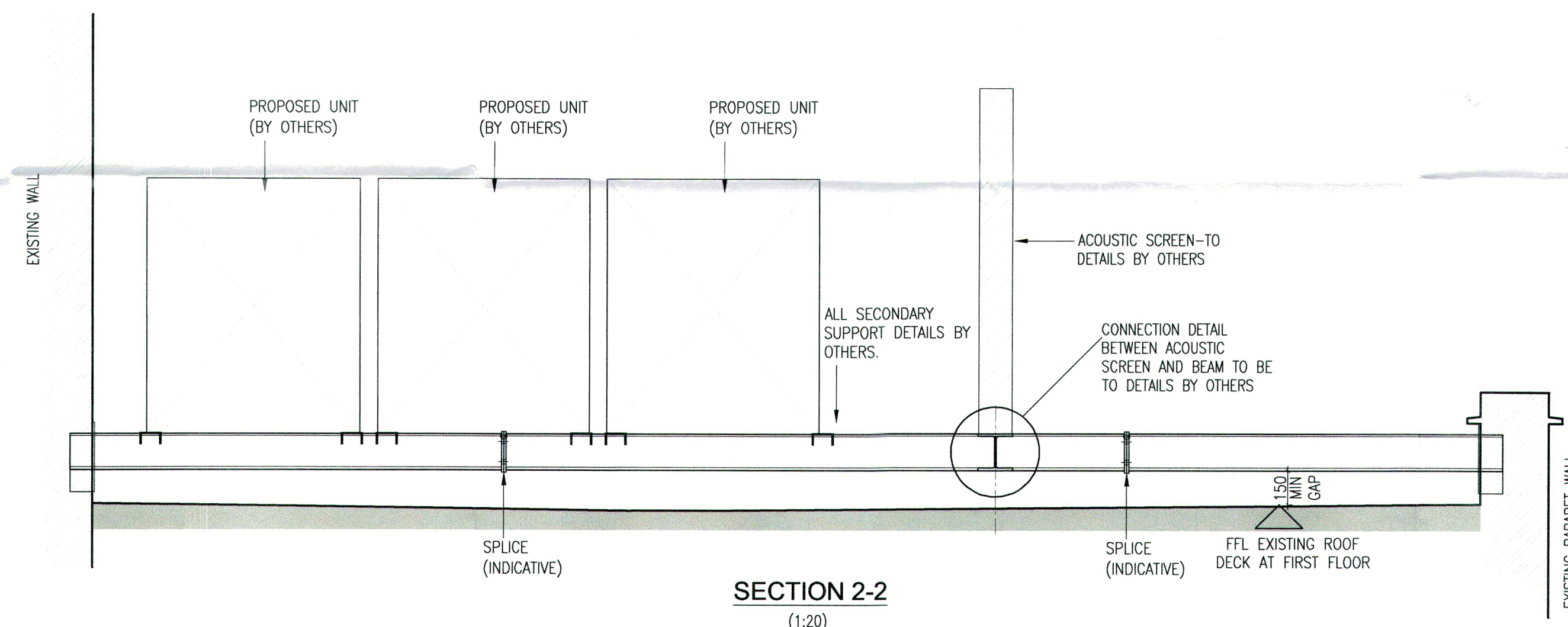
PROVISIONAL ALLOWANCE:

- ALLOW FOR 200kg OF STEEL, WITH CONNECTIONS;
- ALLOW FOR 2no. SPLICES PER BEAM.

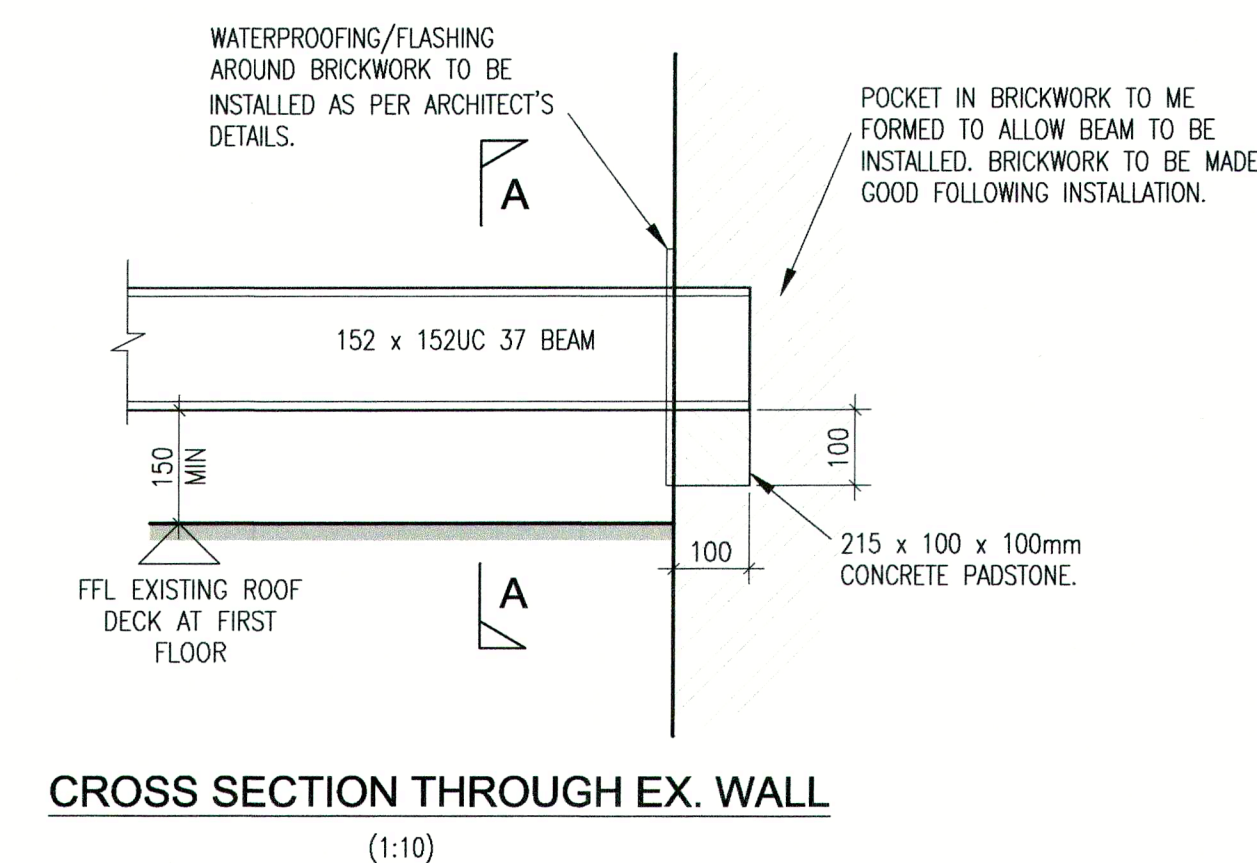
ALL UNITS TO BE MOUNTED ON ANTI VIBRATION MOUNTS, DETAILED BY OTHERS.



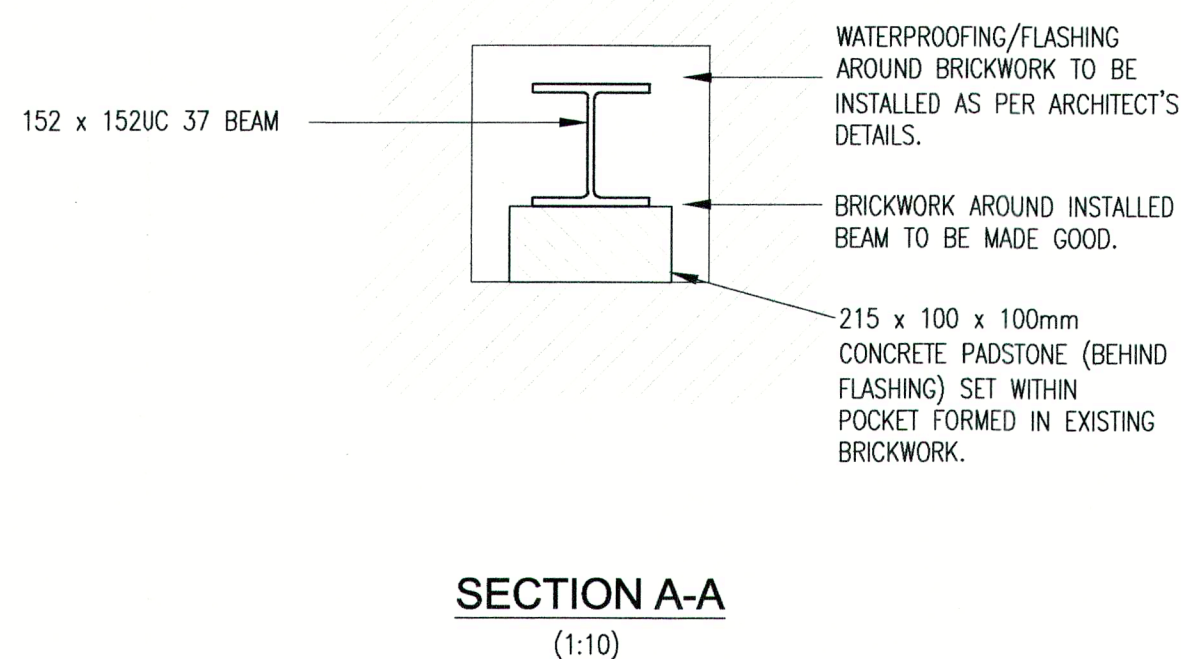
SECTION 1-1
(1:20)



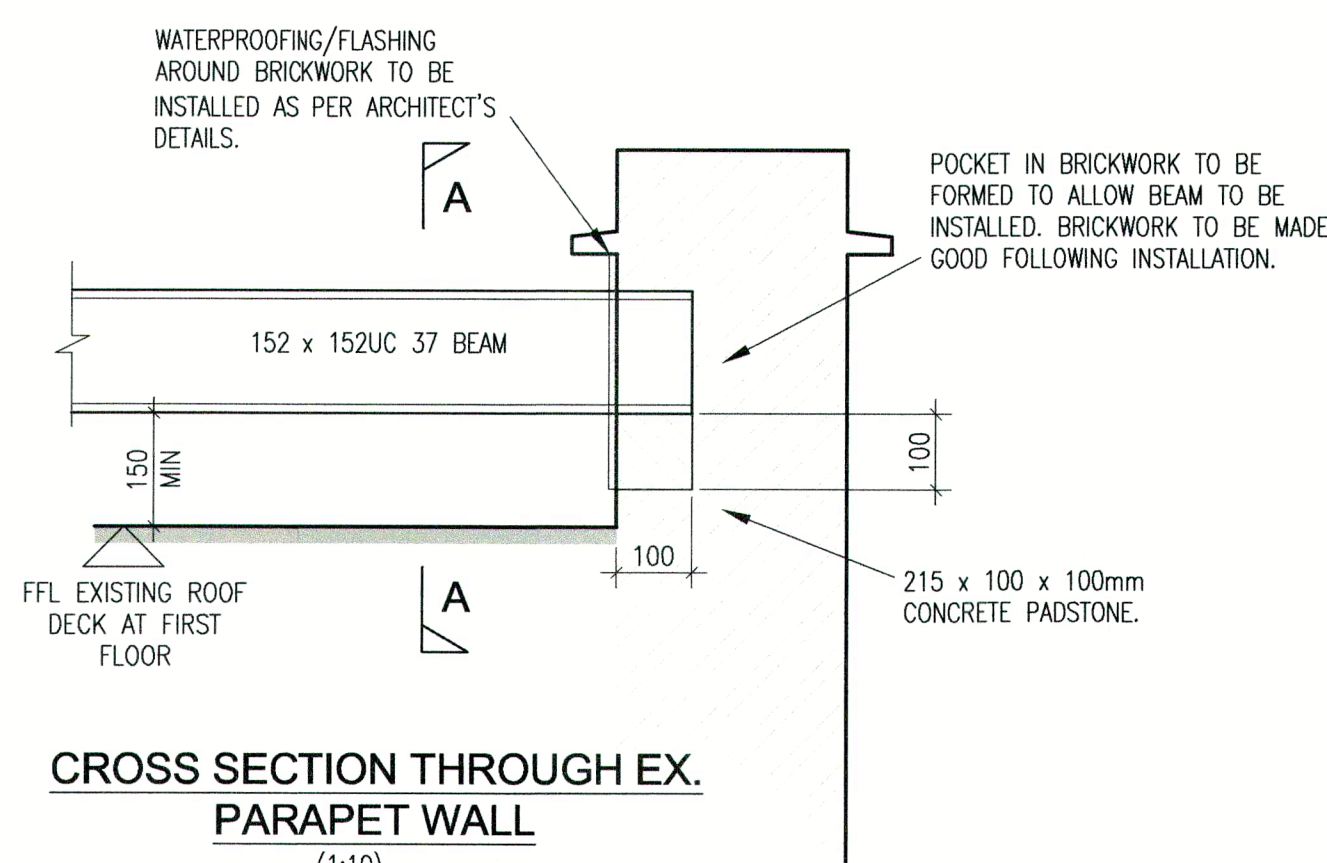
SECTION 2-2
(1:20)



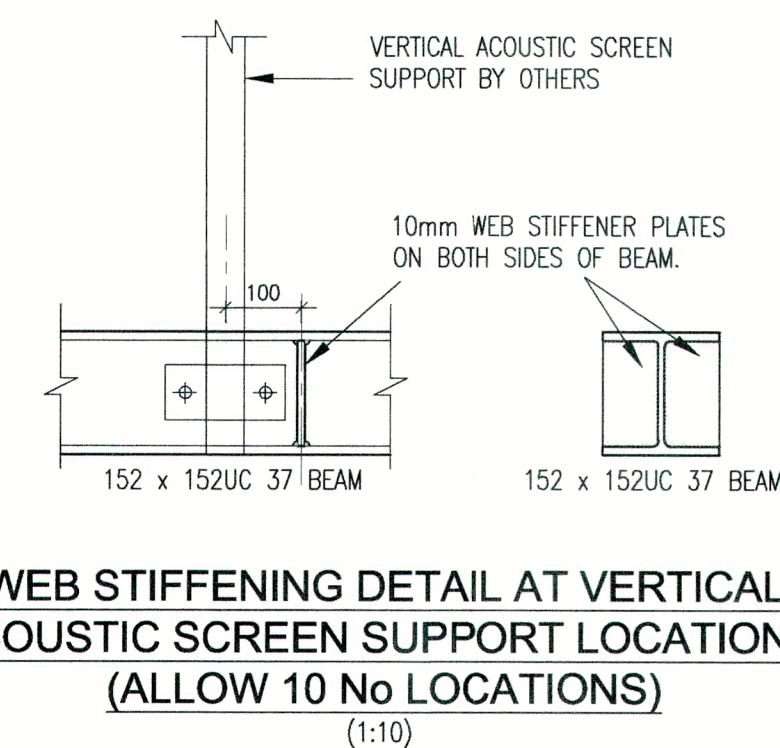
CROSS SECTION THROUGH EX. WALL
(1:10)



SECTION A-A
(1:10)



CROSS SECTION THROUGH EX. PARAPET WALL
(1:10)



WEB STIFFENING DETAIL AT VERTICAL ACOUSTIC SCREEN SUPPORT LOCATIONS. (ALLOW 10 No LOCATIONS)
(1:10)

NOTES:

GENERAL:

- DO NOT SCALE FROM DRAWING, WORK TO FIGURED DIMENSIONS ONLY;
- TO BE READ IN CONJUNCTION WITH ALL ARCHITECT'S AND OTHER SPECIALIST'S DRAWINGS AND DETAILS;
- DESIGN OF WATERPROOFING, DAMP COURSEING AND DAMP PROOFING ARE BY OTHERS, THESE ARE TO BE INSTALLED IN ACCORDANCE WITH DETAILS AS DIRECTED AND APPROVED BY THE ARCHITECT. ANY REFERENCE TO WATERPROOFING, DAMP COURSEING OR DAMP PROOFING ON OUR NOTES, DRAWINGS, DETAILS OR SKETCHES ARE INTENDED TO INDICATE ONLY THEIR PRESENCE IN THE BUILDING OR POSITION RELATIVE TO THE STRUCTURES;

STEELWORK:

- STRUCTURAL STEELWORK TO BE MIN. GRADE S355 J0 TO BS EN 10025:1993 UNO;
- ALL STEELWORK TO GALVANISED TO 85 MICRONS TO BS 729;
- ALL LEVELS AND SETTING OUT TO BE CONFIRMED ON SITE RELATIVE TO EXISTING STRUCTURE;
- ALL DIMENSIONS AND LEVELS TO BE VERIFIED ON SITE BY THE STEEL FABRICATOR;
- ALL CONNECTIONS TO HAVE A MINIMUM OF 4no. M16 BOLTS, UNLESS NOTED OTHERWISE. BOLTS TO BE GRADE 8.8 UNLESS NOTED OTHERWISE;
- ALL BOLTS TO BE GRADE 8.8. BOLTS USED EXTERNALLY TO BE SHERADISED UNO;
- ALL WELDS TO BE A MINIMUM 6mm FULL PROFILE FILLET WELD, UNLESS NOTED OTHERWISE. USE FULL STRENGTH BUTT WELDS WHERE A FULL STRENGTH CONNECTION IS REQUIRED;
- MINIMUM PLATE THICKNESS TO BE 10mm UNO;
- THE STEEL FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF STEEL TO STEEL CONNECTIONS, INCLUDING CONNECTIONS TO EXISTING STEELWORK. REACTIONS ARE SHOWN AS ULTIMATE LOADS IN KILONEWTONS (kN). MOMENTS ARE SHOWN AS ULTIMATE LOADS IN KILONEWTON METRES (kNm);
- THE FABRICATION DETAILS AND ERECTION OF THE STRUCTURAL STEEL SHALL BE CARRIED OUT BY AN APPROVED FIRM OR FIRMS;

STEELWORK CONT...

- THE CALCULATIONS AND SHOP DRAWINGS SHALL BE PREPARED AND SUBMITTED TO HPM FOR APPROVAL BEFORE COMMENCEMENT OF FABRICATION OF THE WORK SHOWN ON THE DRAWINGS;
- THE STEEL FABRICATOR IS RESPONSIBLE FOR CHECKING ANY SITE DIMENSIONS;
- THE CONTRACTOR SHALL OPEN UP ALL AREAS WHERE NEW STEELWORK IS SUPPORTED ON EXISTING STRUCTURE TO ENABLE THE FABRICATOR TO PREPARE FABRICATION DETAILS AND TO CONFIRM DIMENSIONS AND LEVELS IN GOOD TIME TO ALLOW FABRICATION AND INSTALLATION TO PROCEED AS THE CONTRACT PROGRAMME;
- WHERE ITEMS ARE BOLTED TO STEEL WORK STEEL IS TO BE PRE DRILLED PRIOR TO ARRIVAL ON SITE WHERE POSSIBLE. ANY DRILL HOLES FORMED ON SITE MUST BE PROTECTED WITH ZINGA OR SIMILAR APPROVED PAINT;
- WHERE PAD STONES ARE USED STEEL BEAMS MUST HAVE A MINIMUM BEARING OF 100mm ON THE PAD STONES;
- BEAMS TO BE SPLICED AS REQUIRED TO ENABLE THEM BE PLACED INTO POSITION. SPLICE DETAILS TO BE DETAILED BY THE FABRICATOR - REQUIRED SPLICE LOADS HAVE BEEN PROVIDED;
- ALL PROPRIETARY PRODUCTS ARE TO BE USED AS PER MANUFACTURER'S SPECIFICATION AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

BRICKWORK:

- WHERE POCKETS ARE FORMED IN BRICKWORK WALLS AND PARAPETS, TO ENABLE STEEL BEAMS TO BE SUPPORTED, SOLID BRICKWORK IS TO BE REINSTATED AROUND THE STEEL BEAM AND BE TOOTHED AND BONDED TO EXISTING.

WATERPROOFING:

- THE REQUIRED REINSTATEMENT OF THE EXISTING WATERPROOFING / FLASHING AND THE INSTALLATION OF NEW FLASHING AT STEEL BEAM END LOCATIONS ARE THE RESPONSIBILITY OF THE ARCHITECT AND ARE TO BE TO THEIR DETAILS.

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
- CDM DETAILS REFERS TO THE CONSTRUCTION (DESIGN AND MANAGEMENT) REGULATIONS. THE READER MUST REFER TO METHOD STATEMENTS OR RISK ASSESSMENTS AS APPROPRIATE, WHICH IDENTIFY UNUSUAL AND ABNORMAL RISKS THAT A COMPETENT CONTRACTOR COULD NOT BE EXPECTED TO ANTICIPATE.

T1	FIRST TENDER ISSUE	ASJ	MM	NM	25/09/15
No	Revision	By	Chk'd	Passed	Date
CDM DETAILS (Refer note 2)					ENG
NONE BEYOND THOSE THAT A COMPETENT CONTRACTOR SHOULD BE ABLE TO FORESEE					MM

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Architect	—
Project	TANFIELD CHAMBERS
Title	PLANT SUPPORT STEELWORK

Status	TENDER		
Scale	AS SHOWN @ A1		
Drawn ASJ	Checked MM	Passed NM	Date SEPT 15
Drawing No.	20981/100		T1