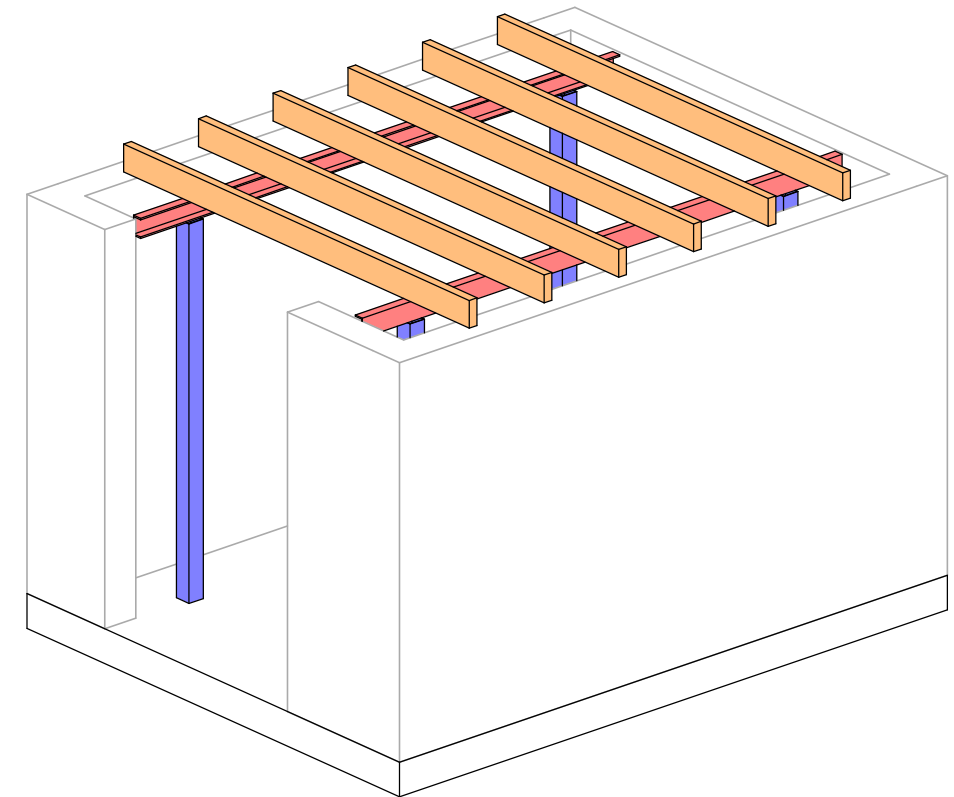


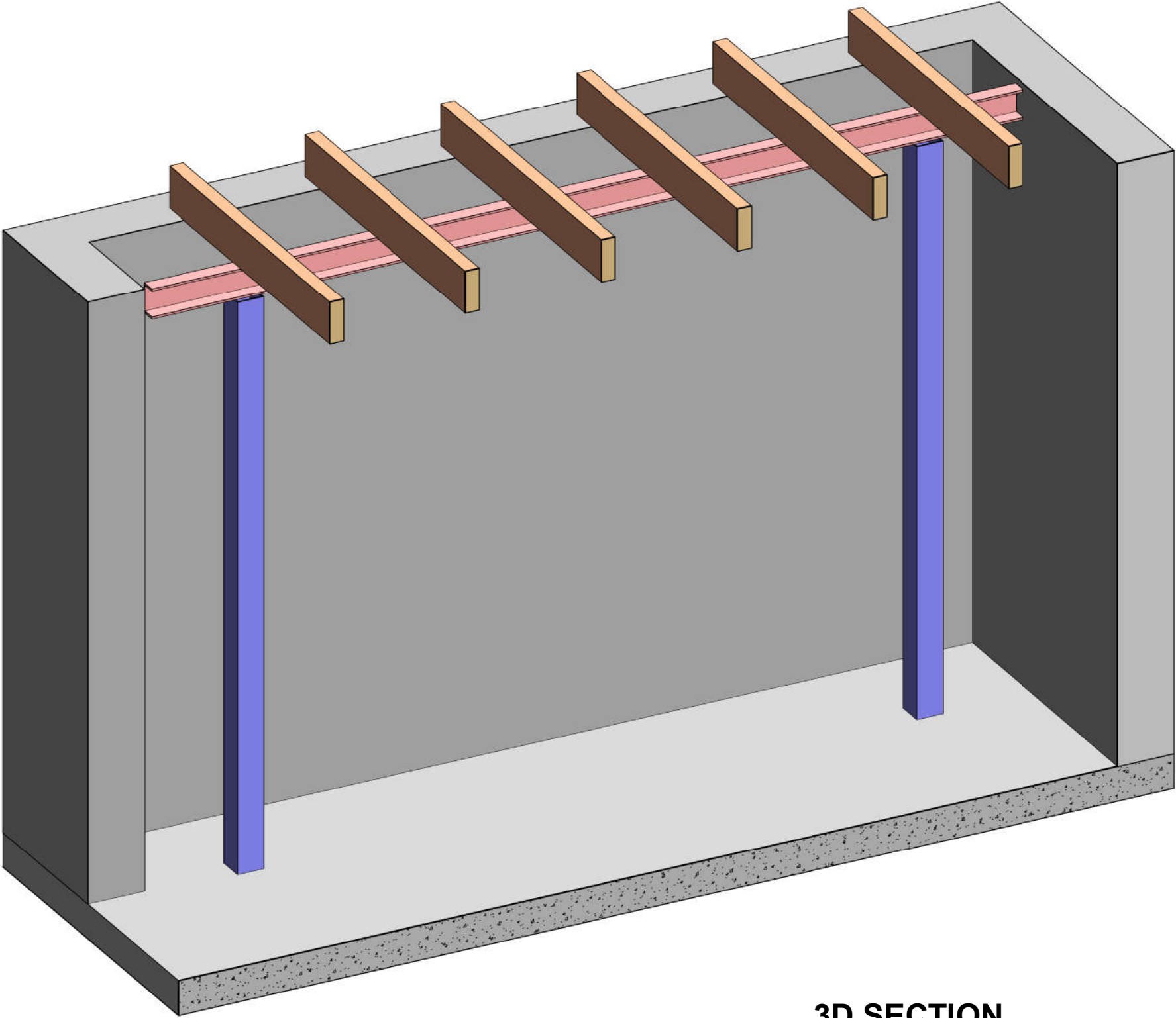
TEMPORARY STRUCTURAL STRENGTHENING **OF LA MAISON RESTAURANT CELLAR**

AT 40 LINCOLN CAUSEWAY, GATEWAY ISLAND, VIC 3690
PROJECT NO. TC22-P321



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STRUCTURAL DRAWING LIST	
DWG. NO.	TITLE
S00	3D VIEWS OF STRUCTURE
S01	GENERAL & TECHNICAL NOTES
S02	GENERAL ARRANGEMENTS
S03	CONNECTION DETAILS



3D SECTION

SCALE

REV	DATE	DESCRIPTION	DESIGNED Dr. FARHAD NABAVI	SIGNED	DATE 04/12/22	ASSET OWNER: CITY OF WODONGA			PROJECT TITLE: TEMPORARY STRUCTURAL STRENGTHENING OF LA MAISON RESTAURANT CELLAR	 TECHNOCRETE Structural & Durability Consulting Engineers
1	06/12/22	PRELIMINARY	DRAWN N. HEDAYATI		DATE 05/12/22	CERTIFIED: Dr. FARHAD NABAVI RPEQ: 20038			DRAWING TITLE: 3D VIEWS OF STRUCTURE	
			CHECKED Dr. FARHAD NABAVI		DATE 06/12/22	WORKS JOB NO.: TC22-P321			DRAWING NO. : S00	
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						DRAWING UNIT: MILIMETER				

CONSTRUCTION NOTES:

1. THE METHOD OF CONSTRUCTION AND THE MAINTENANCE OF SAFETY DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. IF ANY STRUCTURAL ELEMENT PRESENTS DIFFICULTY IN RESPECT OF CONSTRUCTABILITY OR SAFETY, THE MATTER SHALL BE REFERRED TO THE STRUCTURAL ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
2. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERLOADED. TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR IN ORDER TO KEEP THE BUILDING WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
3. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BUILDING CODE OF AUSTRALIA.
4. UNLESS NOTED OTHERWISE ALL DIMENSIONS ARE IN MILLIMETRES.

NOTE:

1. THE OWNER, BUILDER, AND SUBCONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, SETBACKS AND SPECIFICATIONS PRIOR TO COMMENCING WORKS OR ORDERING MATERIALS AND SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BUILDING WORKS CONFORM TO THE BUILDING CODE OF AUSTRALIA, CURRENT AUSTRALIAN STANDARDS, BUILDING REGULATIONS, AND TOWN PLANNING REQUIREMENTS. REPORT ANY DISCREPANCIES TO THE DESIGNER.

STRUCTURAL STEELWORK NOTES

1. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS4100:2020.
2. THE PFC MEMBERS SHOULD COMPLY WITH AS 3679.1 AND SHOULD BE OF GRADE 350.
3. THE SHS MEMBERS SHOULD COMPLY WITH AS 1163 AND SHOULD BE OF GRADE 350
4. WELDING SHALL BE PERFORMED BY EXPERIENCED TRADESMEN IN ACCORDANCE WITH AS1554 AND THE SPECIFICATION.
5. BOLTS NOT DESIGNATED SHALL BE M20 GRADE 8.8/S BOLTS TO AS1252 TIGHTENED TO A SNUG TIGHT FIT. BOLTS DESIGNATED 8.8/TF AND 8.8/TB SHALL BE HIGH STRENGTH STEEL BOLTS TO AS1252 FULLY TENSIONED IN ACCORDANCE WITH AS4100 ALL BOLTS TO BE HOT DIPPED GALVANISED. 8.8 GRADE BOLTS MUST NOT BE WELDED.
6. HOLD DOWN BOLTS TO BE 4.6/S GRADE UNLESS NOTED OTHERWISE. HOLD DOWN BOLTS TO BE GALVANISED.
7. IF SPECIFIED HIGH STRENGTH (8.8 GRADE) HOLDING DOWN BOLTS SHALL NOT BE WELDED BUT TIED WITH WIRE IN CAGES OR OTHER APPROVED TYING METHODS.
8. THE CONTRACTOR SHALL PROVIDE AND LEAVE IN PLACE UNTIL PERMANENT BRACING ELEMENTS ARE CONSTRUCTED SUCH TEMPORARY BRACING AS IS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION.
9. CONCRETE ENCASED STEELWORK SHALL BE WRAPPED WITH RF41 FABRIC UNLESS NOTED OTHERWISE .
10. THE ENDS OF ALL TUBULAR MEMBERS ARE TO BE SEALEDWITH NOMINAL THICKNESS PLATES AND CONTINUOUS FILLET WELDS UNLESS NOTED OTHERWISE.
11. CAMBER TO BE AS NOTED ON DRAWINGS.
12. ALL CONNECTIONS TO BE 10mm THICK FIN PLATE WITH 2-M20 BOLTS UNLESS NOTED OTHERWISE.
13. BEFORE FABRICATION HAS COMMENCED, THE SHOP DRAWINGS MUST BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER, REVIEW DOES NOT INCLUDE THE CHECKING OF DIMENSIONS AND DOES NOT REMOVE THE RESPONSABILITY OF THE FABRICATOR TO CHECK THE ACCURACY OF THE SHOP DRAWINGS.
14. MEMBERS ENCASED IN CONCRETE, FIRE SPRAYED OR 8.8/TF/HB BOLTED CONNECTIONS MUST BE PAINTED. TOP FLANGE OF BEAMS WITH SHEAR STUDS MUST NOT BE PAINTED.
- ALL EXPOSED STEEL - CLASS 2½ BLAST 75 MICRONS INORGANIC ZINC SILICATE AND PAINT TO ARCHITECTS SPECIFICATIONS.
ALL HIDDEN STEEL TO BE POWER WIRE BRUSHED AND PRIMED etc. PLANT PLATFORMS TO BE HOT DIPPED GALVANISED.
15. EXCEPT WHERE OTHERWISE SHOWN WELDS TO BE 6mm CONTINUOUS FILLET.
16. ALL STEELWORK BELOW GROUND LEVEL TO BE ENCASED IN CONCRETE.
17. TIE ALL STEELWORK TO MASONRY AT 600 MAXIMUM CENTRES AS DETAILED ON DRAWINGS OR WITH APPROVED FRAMING TIES.
18. REFER TO SPECIFICATIONS FOR ALL WELD MACRO TEST REQUIREMENTS FOR ALL WELDING PERSONNEL.

DRILLED AND EPOXY NOTES

1. BE INSTALLED IN ACCORDANCE WITH RAMSET TECHNICAL DATA SHEET APPROVED BY CONSULTING ENGINEERS.
2. USE CHEMSET REO502 OR SIMILAR EPOXY ANCHORING ADHESIVE APPROVED BY CONSULTING ENGINEERS.
3. INSTALLATION
- DRILL RECOMMENDED DIAMETER AND DEPTH HOLE
 - IMPORTANT: USE RAMSET DRILLING SYSTEM TO ENSURE HOLE ARE CLEAN. ALTERNATIVELY, CLEAN DUST AND DEBRIS FROM HOLE WITH STIFF SIRE OR NYLON BRUSH AND BLOWER.
 - INSERT MIXING NOZZLE TO BOTTOM OF HOLE. FILL HOLE TO 3/4 THE HOLE DEPTH SLOWLY, ENSURING NO AIR POCKETS FORM.
 - INSERT REBAR TO BOTTOM OF HOLE WHILE TURNING.
 - ALLOW CHEMSET REO502 TO CURE AS PER SETTING TIMES.
4. ANCHORING SPECIFICATIONS ARE AS FOLLOWS:

d _b (mm)	d _h (mm)	h(mm)
M8	10	80
M10	12	90
M12	14	110
M16	18	125
M20	24	150
M24	26	160

d_b DENOTES BAR DIA.
d_h DENOTES HOLE DIA.
h DENOTES EMBEDMENT LENGTH.

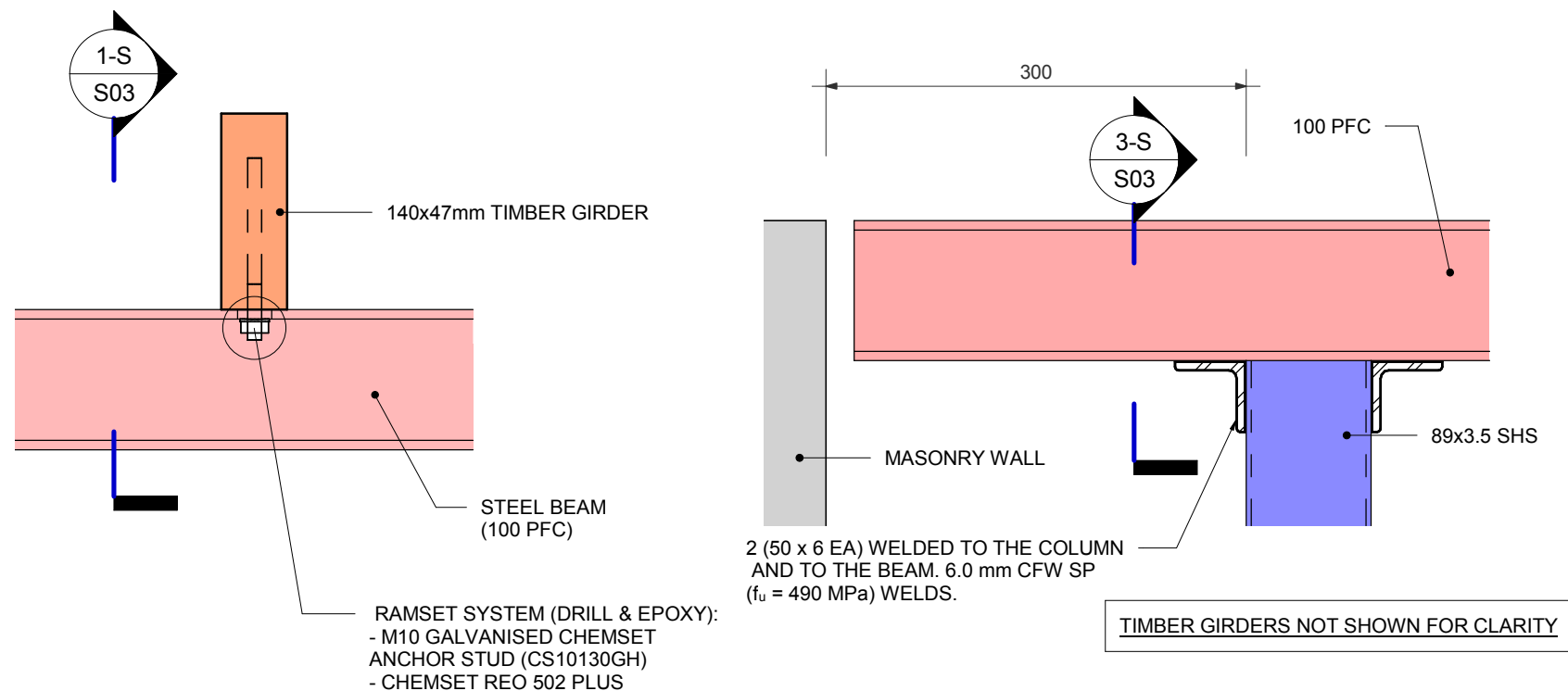
REV	DATE	DESCRIPTION	DESIGNED Dr. FARHAD NABAVI	SIGNED	DATE 04/12/22	ASSET OWNER: CITY OF WODONGA CERTIFIED: Dr. FARHAD NABAVI RPEQ: 20038		PROJECT TITLE: TEMPORARY STRUCTURAL STRENGTHENING OF LA MAISON RESTAURANT CELLAR	 Structural & Durability Consulting Engineers
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			CHECKED Dr. FARHAD NABAVI	SIGNED	DATE 06/12/22			DRAWING NO. : S01	
			MANAGER / CO-ORDINATOR:					WORKS JOB NO.: TC22-P321	
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						DRAWING UNIT: MILIMETER	PAPER SIZE: A3



PROJECT TITLE: TEMPORARY STRUCTURAL STRENGTHENING OF LA MAISON RESTAURANT CELLAR		 TECHNOCRETE Structural & Durability Consulting Engineers
DRAWING TITLE: GENERAL ARRANGEMENTS		
DRAWING NO.: S02	ABN: 12 620 585 391 info@technocrete.com.au https://technocrete.com.au	



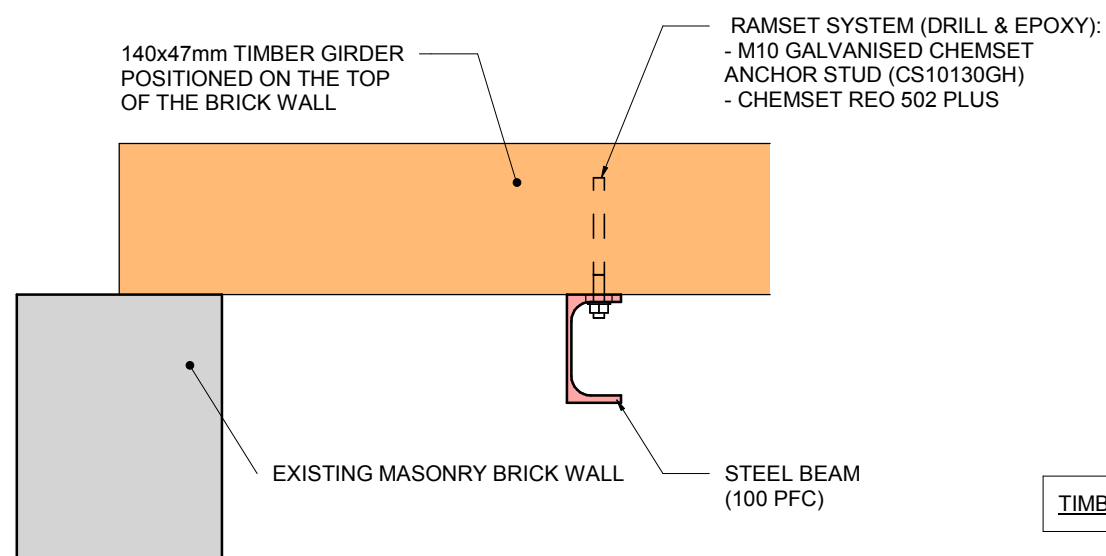
GIRDER - BEAM CONNECTION

DETAIL

1

SCALE: 1 : 5

S02

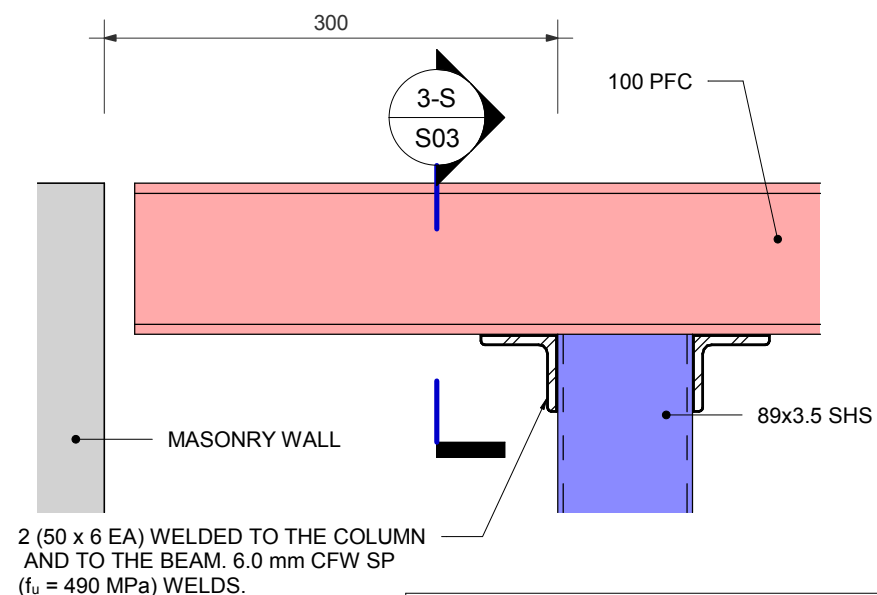


SECTION

1-S

SCALE: 1 : 7

S03



TIMBER GIRDERS NOT SHOWN FOR CLARITY

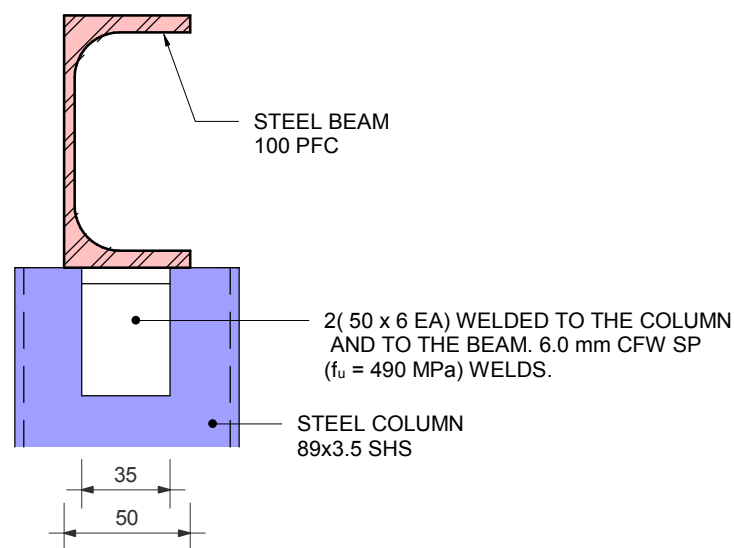
BEAM - COLUMN CONNECTION

DETAIL

3

SCALE: 1 : 5

S02



TIMBER GIRDERS NOT SHOWN FOR CLARITY

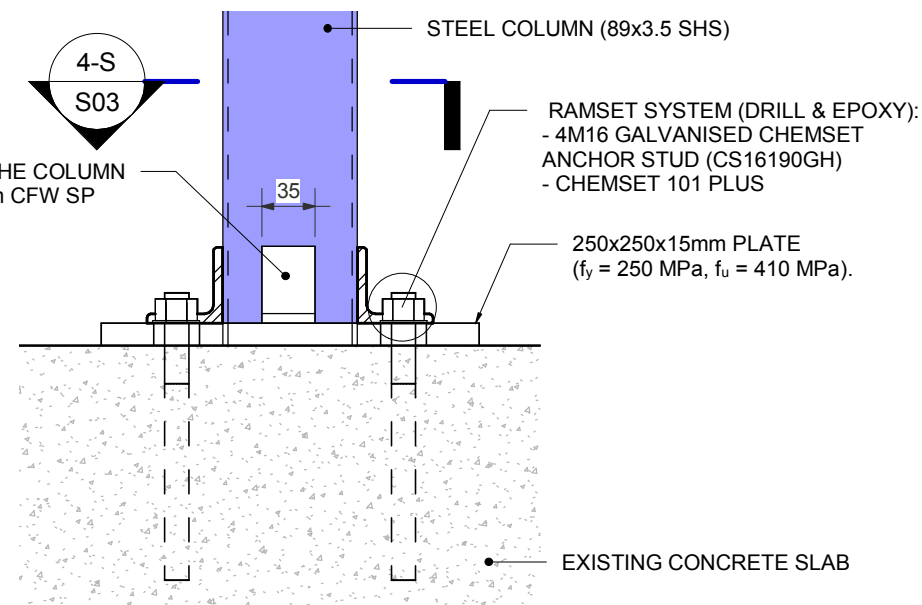
SECTION

3-S

SCALE: 1 : 3

S03

4 (50 x 6 EA) WELDED TO THE COLUMN AND TO THE BEAM. 6.0 mm CFW SP (fu = 490 MPa) WELDS.



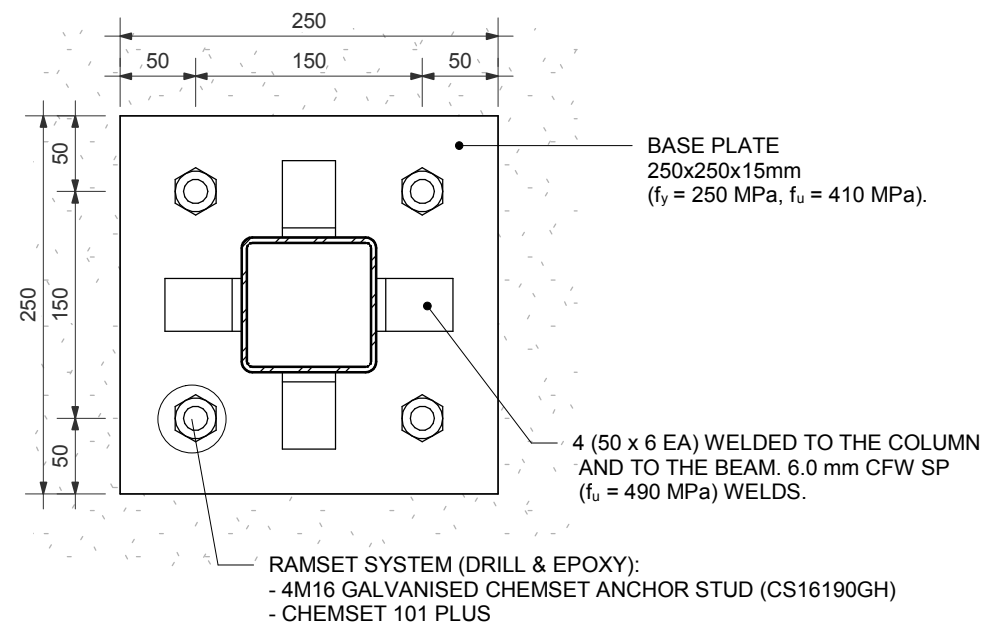
BASE PLATE DETAIL

DETAIL

4

SCALE: 1 : 5

S02



SECTION

4-S

SCALE: 1 : 5

S03

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			N. HEDAYATI		05/12/22	CERTIFIED:	DRAWING TITLE:
			Dr. FARHAD NABAVI		06/12/22	Dr. FARHAD NABAVI RPEQ: 20038	CONNECTION DETAILS
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