

SECTION A-A

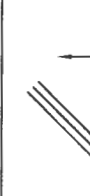
SCALE 1:50

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	Approved: <i>Rose Henderson</i> MIEA

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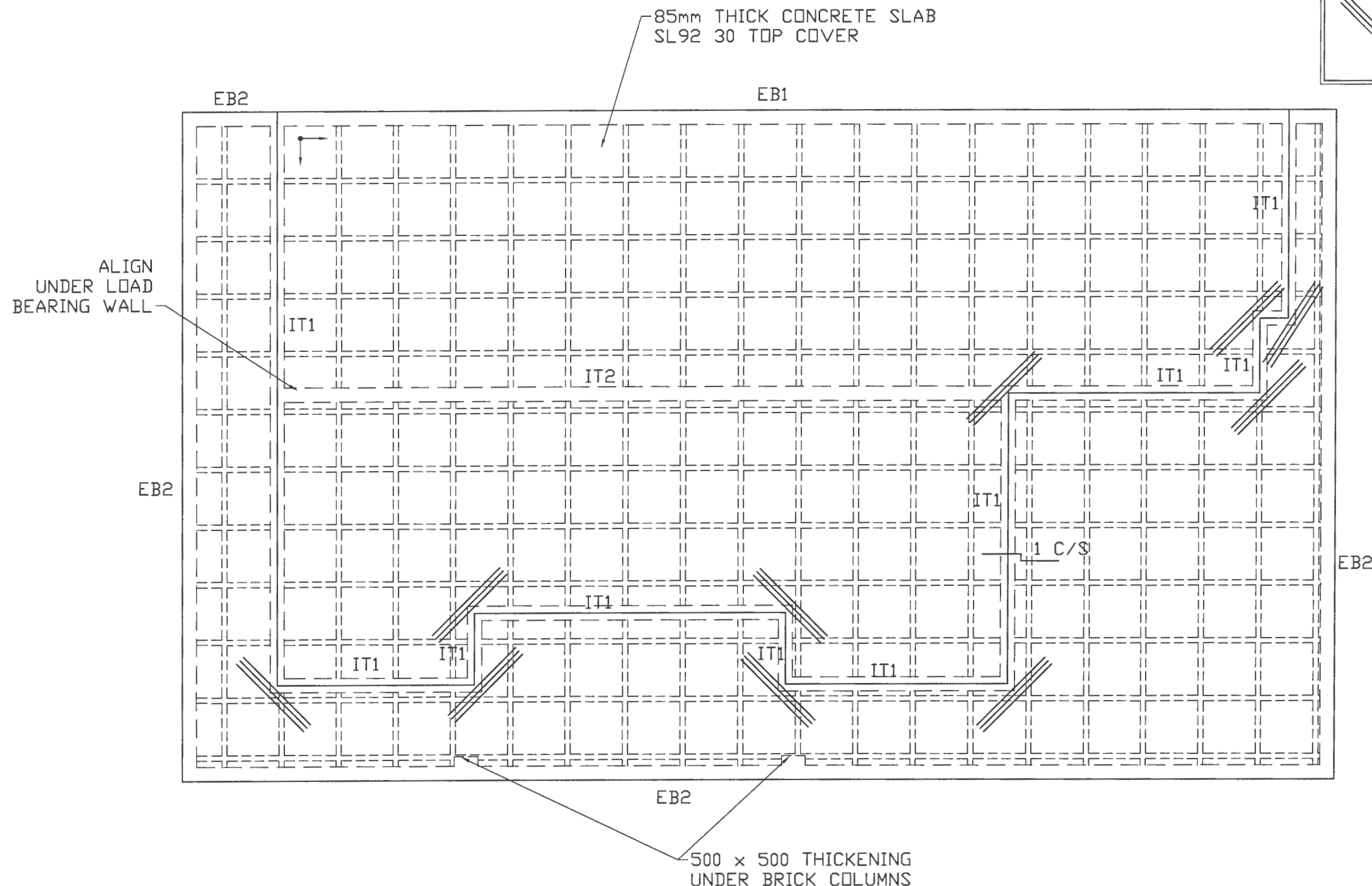
CHARLESTOWN HOME PLAN SERVICE 42 JUSTINE AVE, WHITEBRIDGE 2290 PH 49 425 878 MOBILE. 0418 764 257	LOCATION:	310 PINE BRUSH RD, GLEN WILLIAM	SCALE:	These plans & designs remain the sole property of Charlestown Home Plan Service. Copying or reproduction by hand, electronic or any other means is strictly forbidden. Any person or company found Breaching this COPYRIGHT will be prosecuted to the fullest extent of the law. Charlestown Home Plan Service.
	PROPOSED:	NEW RESIDENCE		
	FOR:	D. & A. WOODLAND	DWG NO:	
			10621	
			DATE: APR. 2021	
			SHEET: 6 OF 9	

LEGEND



INDICATES LOCATION OF FULL POD FOR SETOUT POINT.

DENOTES 3 HDDW11 TRIMMERS, 2000 LONG, TIED TO U/S OF MESH, FIRST BAR 50mm FROM RE-ENTRANT CORNER.



CONCRETE PLAN

SCALE 1:100

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42 JUSTINE AVE, WHITEBRIDGE 2290
PH 49 425 878 MOBILE. 0418 764 257

LOCATION: 310 PINE BRUSH RD, GLEN WILLIAM
PROPOSED: NEW RESIDENCE
FOR: D. & A. WOODLAND

SCALE:

1:100

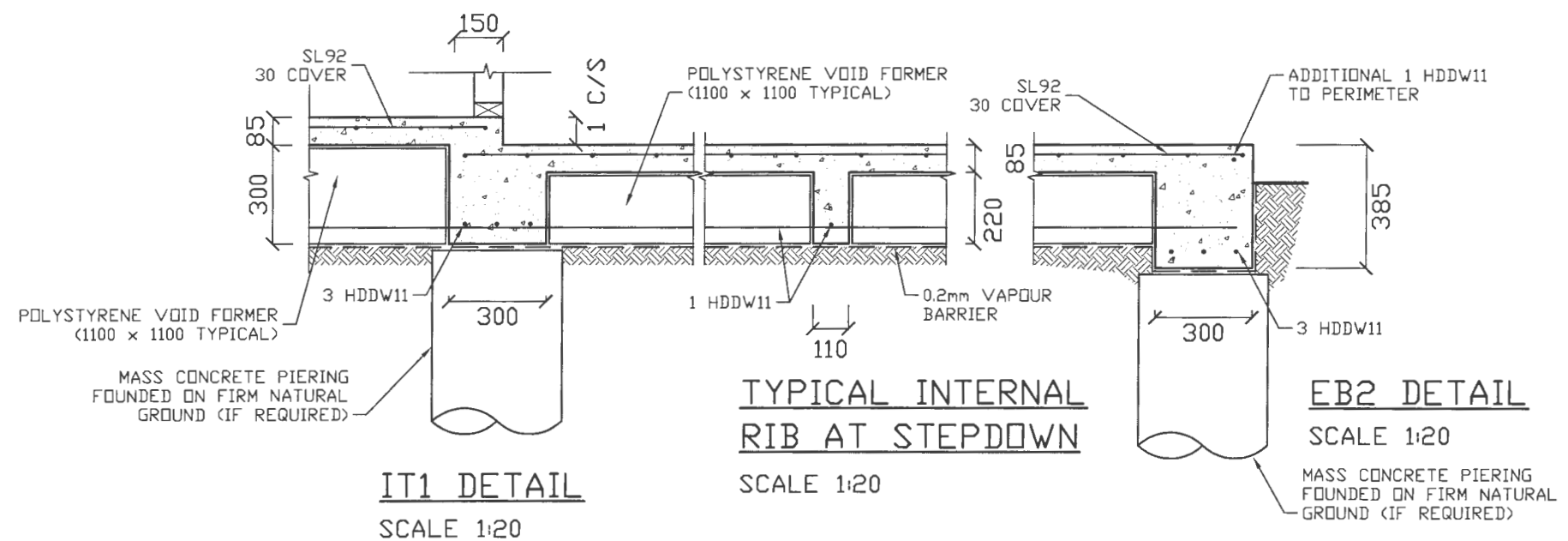
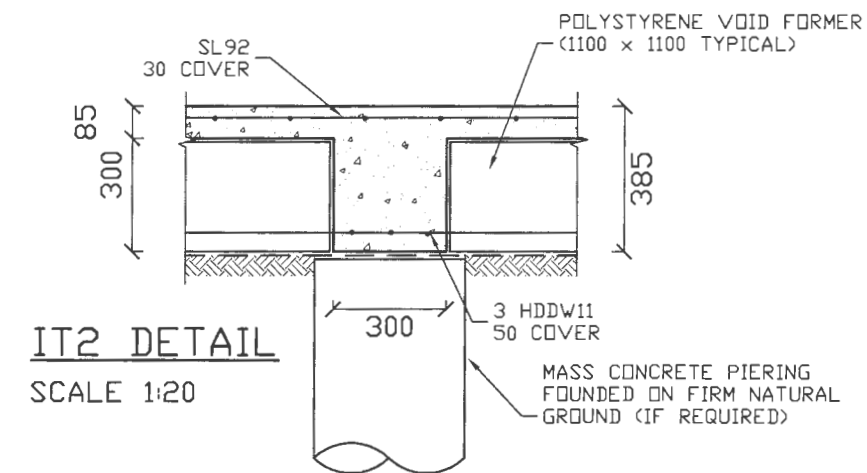
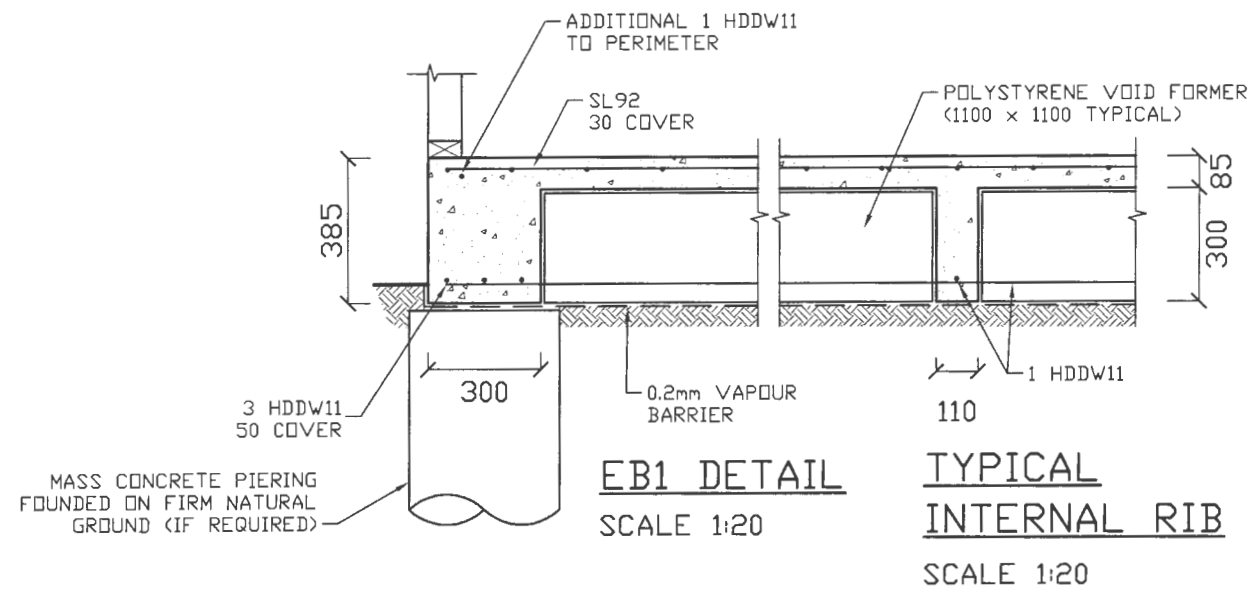
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10621

SHEET: 7 OF 9

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LOCATION: 310 PINE BRUSH RD, GLEN WILLIAM
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SCALE: 1:20
DWG NO: 10621
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SHEET: 8 OF 9

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RESIDENTIAL FOUNDATION NOTES

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL & OTHER CONSULTANT DRAWINGS & SPECIFICATIONS & WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT FOR DECISION BEFORE PROCEEDING WITH THE WORK.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE & SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE BUILDER.
- DURING CONSTRUCTION, ALL STRUCTURES SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PARTS SHALL BE OVERSTRESSED.
- FOOTINGS HAVE BEEN DESIGNED TO BE FOUNDED ON OR PIERED TO FIRM NATURAL MATERIAL WITH THE FOLLOWING MIN. ALLOWABLE BEARING CAPACITIES:
STRIP FOOTINGS, EDGE BEAMS 100kPa
PIERS, PAD FOOTINGS: 250kPa
- ALL PIERS ARE TO BE FOUNDED A MIN. 300mm INTO FIRM MATERIAL, PIERS TO BE Ø400mm BORED AT MAX. 2000 CTRS EXCEPT TO TWO STOREY SECTION, PIERS TO BE Ø400mm AT MAX. 1800 CTRS U.N.D.
- IF ROCK OR SHALE IS ENCOUNTERED IN THE TRENCHES OR PIERS, THE ENTIRE PERIMETER BEAM & ANY INTERIOR BEAMS SUPPORTING BRICKWORK MUST BE PIERED TO ROCK OR SHALE, BUT THE DIAMETER OF THE PIERS MAY BE REDUCED TO 300mm.
- FOR PIER DEPTHS OF BETWEEN 2 & 3 METRES, PROVIDE 2N12 BARS TO WITHIN 200mm OF THE BOTTOM OF THE PIER, & CRANKED MIN. 400 INTO FOOTING.
- FOR PIER DEPTHS EXCEEDING 3 METRES, PROVIDE A REINFORCING CAGE CONSISTING OF 4N12 BARS WITH 8mm HELICAL TIES AT 150mm PITCH, TO WITHIN 200mm OF THE BOTTOM OF THE PIER, & CRANKED MIN. 400 INTO FOOTING.
- SLAB CONCRETE TO BE CURED IN AN APPROVED MANNER FOR MIN. 7 DAYS.
- ALL CONCRETE TO BE EFFICIENTLY COMPACTED WITH AN APPROVED VIBRATOR.
- MIN. REINFORCEMENT LAPS:
MESH 2 CROSSRODS + 25mm
TM & BAR 500mm
- PROVIDE EXPANSION JOINTS TO EXTERNAL BRICK PERIMETER AT MAX. 6 METRE CTRS U.N.D. TO AS 3700 REQUIREMENTS (MASONRY CODE) OR AS SHOWN.
- BRICKWORK TO BE ARTICULATED IN ACCORDANCE WITH PART 3.3 OF THE BUILDING CODE OF AUSTRALIA, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- CONCRETE SLAB & FOOTINGS HAVE BEEN DESIGNED TO SATISFY THE PERFORMANCE CRITERIA OF SEC 4 OF AS 2870-2011. (RESIDENTIAL SLAB & FOOTINGS CODE)
- CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.
- PIER & SLAB PREPARATIONS TO BE INSPECTED & APPROVED BY THE SUPERVISING ENGINEER OR COUNCIL INSPECTOR PRIOR TO CONCRETE PLACEMENT.
- ALL WALL TIES CONNECTORS, ACCESSORIES, ETC. SHALL BE IN ACCORDANCE WITH AS3700, CURRENT ISSUE.
- ALL WORKS TO BE IN ACCORDANCE WITH AS 3660.1-1995. (TERMITE PROTECTION CODE)
- CONCRETE GRADE FOR CONCRETE SLABS & ISOLATED PIER PADS 25MPa, FOR PIERS 20MPa, FOR SUSPENDED DECKS & COLUMNS 32MPa

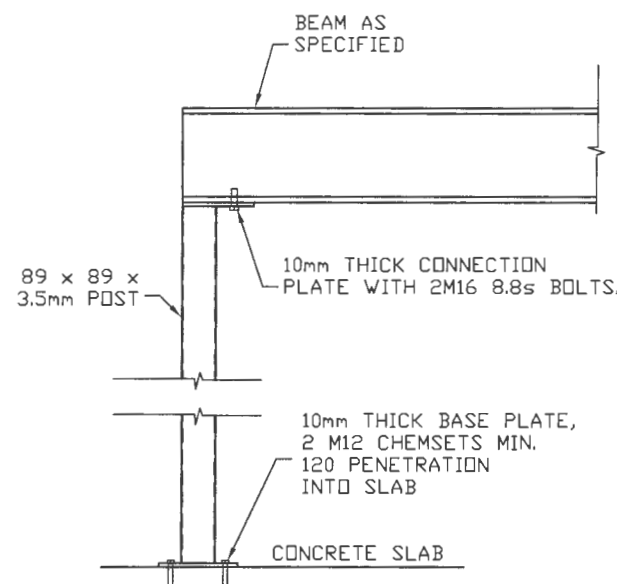
IN AREAS OF BRITTLE FLOOR COVERINGS, e.g. SLATE OR TILES, IT IS RECOMMENDED THAT ONE OF THE FOLLOWING MEASURES BE UTILISED:-

- INCREASE MESH SIZE TO SL92 OR DOUBLE MESH LAYER.
- USE A RUBBERISED FLEXIBLE ADHESIVE BEDDING.
- DELAY PLACING TILES FOR MIN. OF 3 MONTHS.

THE OWNERS ATTENTION IS DRAWN TO C.S.I.R.O. PAMPHLET 'FOUNDATION' MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE'. THE OWNER SHOULD COMPLY WITH THE RECOMMENDATIONS OF THIS PAMPHLET. THE SITE ABOUT THE BUILDING PERIMETER AND ALL SERVICE TRENCHES ARE TO BE GRADED TO DRAIN AWAY FROM THE BUILDING PERIMETER.

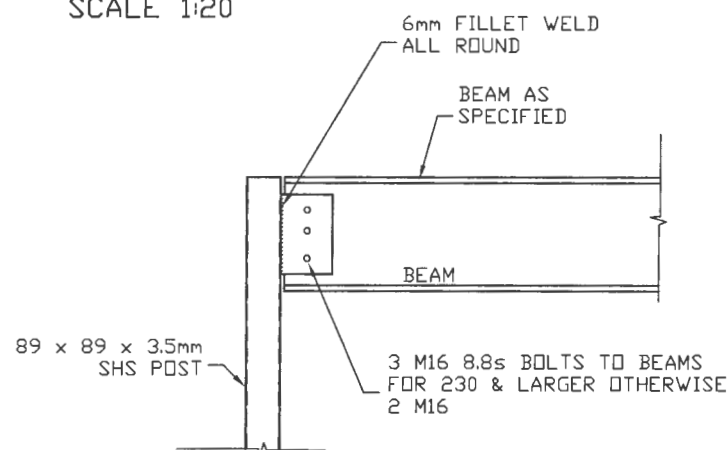
IF A 'STATEMENT OF COMPLIANCE' WITH APPROVED DETAILS IS REQUIRED, THE ENGINEER MUST INSPECT THE WORKS AT THE APPROPRIATE TIME, e.g. PRIOR TO CONCRETE FILLING PIERS, FOOTINGS, OR SLAB FORMWORK ETC.

STEM WIDTH (mm)	ADD'L No. OF TOP BARS	ADD'L No. OF BTM BARS
110 TO 150	0	1-N12
151 TO 220	1-N12	2-N12
221 TO 330	2-N12	3-N12
331 TO 440	3-N12	4-N12
> 441	CONSULT ENGINEER	



TYPICAL CONNECTION DETAIL

SCALE 1:20



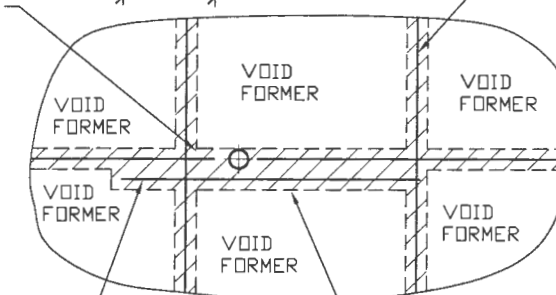
ALTERNATIVE CONNECTION DETAIL

SCALE 1:20

STOP BAR 40mm EACH SIDE OF PIPE TYP.

MIN. 500 LAP

RIB REINFORCEMENT (AS SPECIFIED)



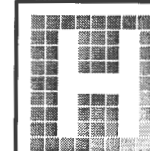
ADD'L BARS (TO MATCH SPECIFIED RIB STEEL) REFER TO TABLE

CUT VOID FORMER AT PIPE. RIB TO MIN. WIDTH OF 110mm

PIPE PENETRATION THROUGH RIB-PLAN N.T.S.

STRUCTURAL ELEMENTS OF THIS PROJECT HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING CODES:

- AS 1170 STRUCTURAL DESIGN ACTIONS - GENERAL PRINCIPLES
- AS 1170.1 STRUCTURAL DESIGN ACTIONS - PERMANENT IMPOSED & OTHER ACTIONS
- AS 1170.2 STRUCTURAL DESIGN ACTIONS - WIND
- AS 1170.4 EARTHQUAKE LOADINGS
- AS 1684 RESIDENTIAL TIMBER FRAME CONSTRUCTION
- AS 1720 TIMBER STRUCTURES
- AS 2870 RESIDENTIAL SLABS & FOOTINGS
- AS 3700 MASONRY STRUCTURES
- AS 4773 MASONRY IN SMALL BUILDINGS



Henderson
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Approved: *Rose Henderson* M.Eng

SOIL CLASSIFICATION 'H1'
WIND CLASSIFICATION 'N2'
SITE CLASSIFICATION 'P'

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