




**FOUNDATION PLAN**  
SCALE 1:100

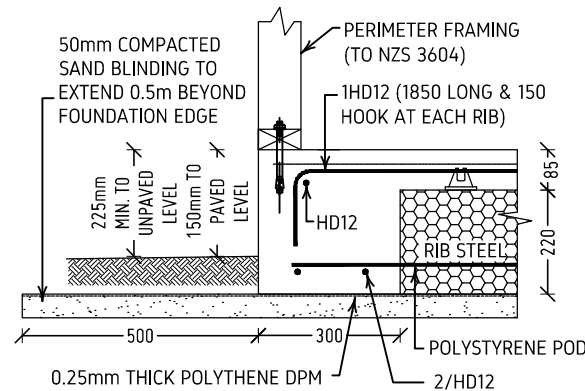
	P1	650X650mm LOAD BEARING PAD <b>IN-SLAB</b> WITH 4/HD12 BARS EACH WAY AT BOTTOM WITH 50mm COVER. (CHECK THE LOCATION ON SITE)
	P2	800X800mm LOAD BEARING PAD <b>IN-SLAB</b> WITH 5/HD12 BARS EACH WAY TOP & BOTTOM WITH 50mm COVER. (CHECK THE LOCATION ON SITE)
	P3	800X800mm LOAD BEARING PAD <b>UNDER-SLAB</b> WITH 5/HD12 BARS EACH WAY TOP & BOTTOM WITH 50mm COVER. (CHECK THE LOCATION ON SITE)

**NOTES:**

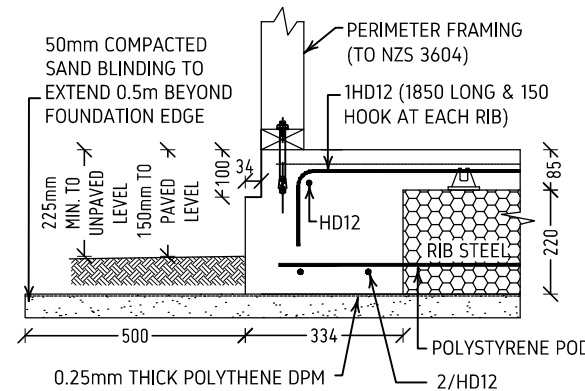
- REMOVE TOPSOIL & GRASS SODS, LOOSE SOIL POCKETS, AND TREE STUMPS. FILL ALL HOLES WITH COMPACTED METAL TO FORM A LEVEL SUB-BASE. ALL FILL SHALL BE CHECKED AND CERTIFIED BY A CHARTERED PROFESSIONAL ENGINEER PRIOR TO COMMENCING WORK
- HARDFILL TO BE COMPACTED IN LAYERS OF 200mm MAX, HARDFILL TO BE EXTENDED MIN 1000mm BEYOND PARAMETER IN FILL SITUATION AND BATTERED AT 15° SLOPE TO HORIZONTAL.
- IN CASE OF ANY UNEXPECTED GROUND CONDITIONS CONTRACTOR SHOULD CONTACT A GEOTECHNICAL CHARTERED PROFESSIONAL ENGINEER IMMEDIATELY.
- THE CUT BUILDING PLATFORM MUST BE KEPT AT OR CLOSE TO ITS SATURATED WATER CONTENT
- CONTRACTOR TO CONFIRM LOCATION AND DIMENSIONS OF REBATES (IF ANY) SUCH AS GARAGE DOOR REBATE, BRICK VENEER REBATE, JOINERY REBATE, SHOWER REBATE ETC WITH ARCH'S DRAWING PRIOR TO COMMENCEMENT TO WORK. CONTRACTOR TO ALSO CONFIRM LOCATION OF LOAD BEARING WALLS WITH ARCH'S DRAWING.
- DO NOT SCALE FROM DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND FINISHED FLOOR LEVELS. ALL SETOUT DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. PRE- POUR INSPECTION MUST BE CARRIED OUT BY A CHARTERED PROFESSIONAL ENGINEER TO ISSUE PS4
- THE POTENTIAL EFFECT OF SEASONAL GROUND MOVEMENT ON BRITTLE CLADDINGS SHOULD BE CONSIDERED BY CLADDING DETAILERS.
- POSITION OF SAW CUT IS CRITICAL. CUT SHALL BE DIRECTLY UNDERNEATH WALL, AND NOT PASS THROUGH TILED AREA.
- ALL PLUMBING, DRAINAGE AND CENTRAL HEATING PIPES TO BE PLACED AS PER LOCATION ON ARCHITECTURAL DRAWINGS.
- POLYSTYRENE PODS SHALL BE 1100Sx 220mm.
- WHERE UNDER-FLOOR HEATING IS INSTALLED, THE SLAB THICKNESS SHOULD BE INCREASED TO 110mm.
- ALL CONCRETE STRENGTH SHALL BE 20MPa OR 25MPa IN A SEA SPRAY ZONE. CONCRETE MUST BE CURED USING APPROPRIATE CURING METHOD FOR MINIMUM 7 DAYS.
- PROVIDE MIN. 300 mm OVERLAP FOR SE62 TOP MESH.
- RIB-RAFT MAY CRACK DUE TO VARIOUS REASONS OF AMBIENCE AND CONSTRUCTION. THIS DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE FOUNDATIONS.
- STEEL BARS IN BOTTOM OF RIBS WITH DPM TO HAVE A 50mm COVER. BARS WITHIN THE RIBS SHALL HAVE 40mm SIDE COVER. BARS WITH NO DPM IN GROUND TO HAVE 75mm COVER.
- SURFACE FINISHES TO BE IN ACCORDANCE WITH NZS 3114:1987 AND AS FOLLOW: FLOOR STAB-U2, EXPOSED EDGES-F5, CONCEALED WORK-F1
- REINFORCEMENT GRADES TO NZS 4671: HD-DEFORMED BARS GRADE 500MPa, D-DEFORMED BARS GRADE 300MPa
- PLANTING TREES SHOULD BE AVOIDED NEAR THE FOUNDATION, AND MUST BE KEPT A DISTANCE OF 1.5 X THE MATURE HEIGHT OF THE TREE FROM THE FOOTING.

**NOTES:**

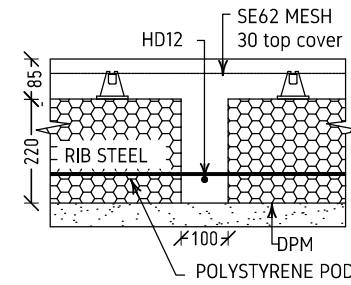
1. REMOVE TOPSOIL & GRASS SODS, LOOSE SOIL POCKETS, AND TREE STUMPS. FILL ALL HOLES WITH COMPACTED METAL TO FORM A LEVEL SUB-BASE. ALL FILL SHALL BE CHECKED AND CERTIFIED BY A CHARTERED PROFESSIONAL ENGINEER PRIOR TO COMMENCING WORK
2. HARDFILL TO BE COMPACTED IN LAYERS OF 200mm MAX, HARDFILL TO BE EXTENDED MIN 1000mm BEYOND PARAMETER IN FILL SITUATION AND BATTERED AT 15° SLOPE TO HORIZONTAL.
3. IN CASE OF ANY UNEXPECTED GROUND CONDITIONS CONTRACTOR SHOULD CONTACT A GEOTECHNICAL CHARTERED PROFESSIONAL ENGINEER IMMEDIATELY.
4. THE CUT BUILDING PLATFORM MUST BE KEPT AT OR CLOSE TO ITS SATURATED WATER CONTENT
5. CONTRACTOR TO CONFIRM LOCATION AND DIMENSIONS OF REBATES (IF ANY) SUCH AS GARAGE DOOR REBATE, BRICK VENEER REBATE, JOINERY REBATE, SHOWER REBATE ETC WITH ARCH'S DRAWING PRIOR TO COMMENCEMENT TO WORK. CONTRACTOR TO ALSO CONFIRM LOCATION OF LOAD BEARING WALLS WITH ARCH'S DRAWING.
6. DO NOT SCALE FROM DRAWING. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND FINISHED FLOOR LEVELS. ALL SETOUT DIMENSIONS AND LEVELS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. PRE- POUR INSPECTION MUST BE CARRIED OUT BY A CHARTERED PROFESSIONAL ENGINEER TO ISSUE PS4
7. THE POTENTIAL EFFECT OF SEASONAL GROUND MOVEMENT ON BRITTLE CLADDINGS SHOULD BE CONSIDERED BY CLADDING DETAILERS.
8. POSITION OF SAW CUT IS CRITICAL. CUT SHALL BE DIRECTLY UNDERNEATH WALL, AND NOT PASS THROUGH TILED AREA.
9. ALL PLUMBING, DRAINAGE AND CENTRAL HEATING PIPES TO BE PLACED AS PER LOCATION ON ARCHITECTURAL DRAWINGS.
10. POLYSTYRENE PODS SHALL BE 1100Sx 220mm.
11. WHERE UNDER-FLOOR HEATING IS INSTALLED, THE SLAB THICKNESS SHOULD BE INCREASED TO 110mm.
12. ALL CONCRETE STRENGTH SHALL BE 20MPa OR 25MPa IN A SEA SPRAY ZONE. CONCRETE MUST BE CURED USING APPROPRIATE CURING METHOD FOR MINIMUM 7 DAYS.
13. PROVIDE MIN. 300 mm OVERLAP FOR SE62 TOP MESH.
14. RIB-RAFT MAY CRACK DUE TO VARIOUS REASONS OF AMBIENCE AND CONSTRUCTION. THIS DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE FOUNDATIONS.
15. STEEL BARS IN BOTTOM OF RIBS WITH DPM TO HAVE A 50mm COVER. BARS WITHIN THE RIBS SHALL HAVE 40mm SIDE COVER. BARS WITH NO DPM IN GROUND TO HAVE 75mm COVER.
16. SURFACE FINISHES TO BE IN ACCORDANCE WITH NZS 3114:1987 AND AS FOLLOW: FLOOR STAB-U2, EXPOSED EDGES-F5, CONCEALED WORK-F1
17. REINFORCEMENT GRADES TO NZS 4671: HD-DEFORMED BARS GRADE 500MPa, D-DEFORMED BARS GRADE 300MPa
18. PLANTING TREES SHOULD BE AVOIDED NEAR THE FOUNDATION, AND MUST BE KEPT A DISTANCE OF 1.5 X THE MATURE HEIGHT OF THE TREE FROM THE FOOTING.



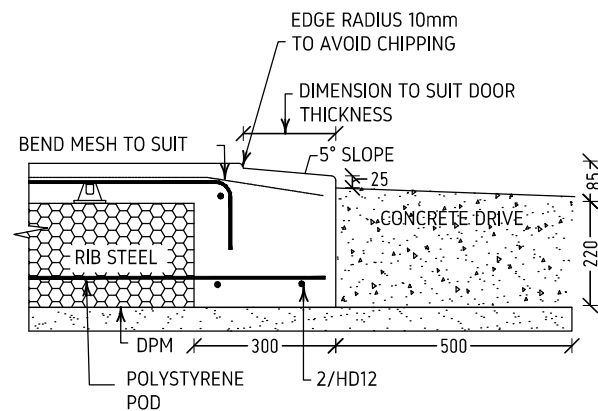
**SECTION 1 PERIMETER DETAIL**  
SCALE 1:16



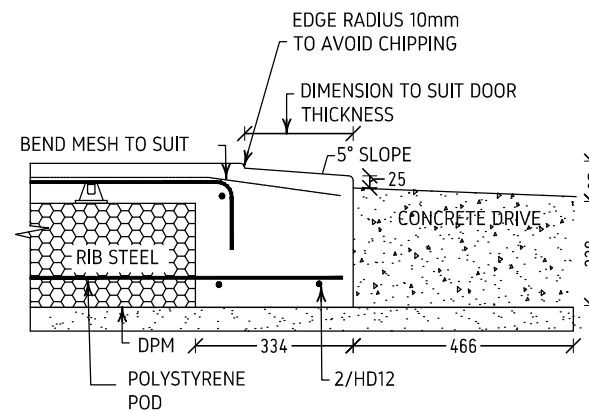
**SECTION 1A PERIMETER DETAIL**  
SCALE 1:16



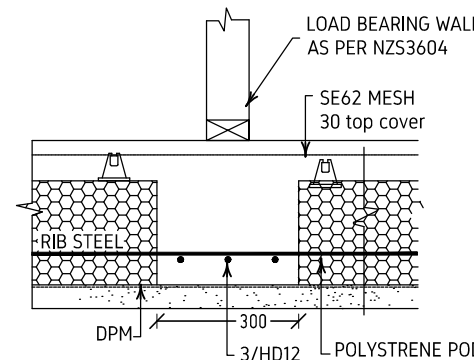
**STANDARD RIB DETAIL**  
SCALE 1:16



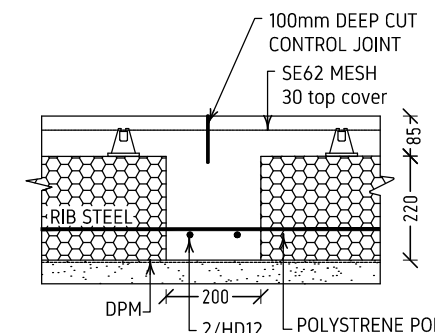
**SECTION 2 GARAGE DOOR ENTRANCE REBATE**  
SCALE 1:16



**SECTION 2A GARAGE DOOR ENTRANCE REBATE**  
SCALE 1:16

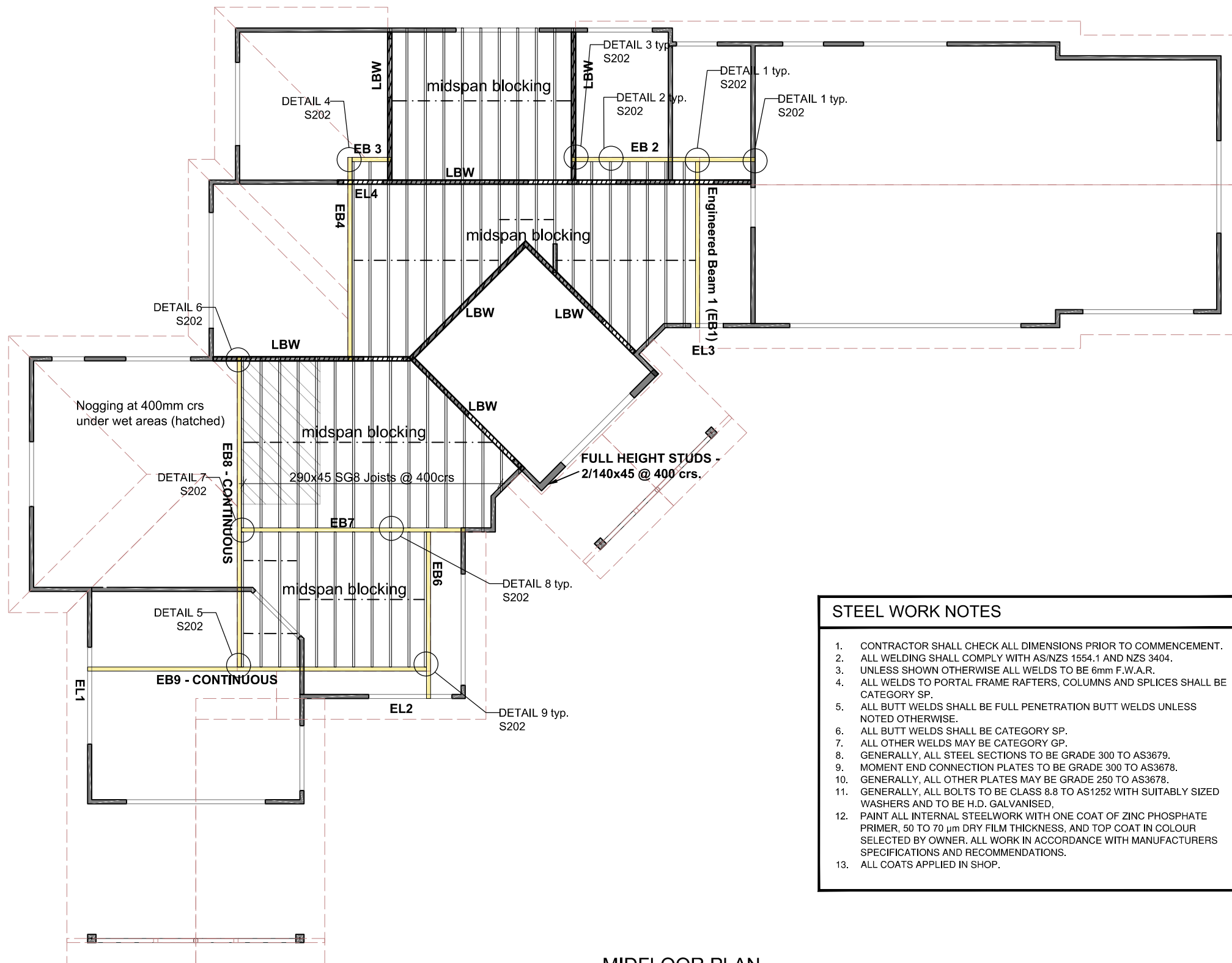


**SECTION 3 LBW**  
SCALE 1:16



**SECTION 4 CONTROL JOINT**  
SCALE 1:16

REV.	DESCRIPTION	DATE
A	ISSUED FOR BUILDING CONSENT	23/07/2019

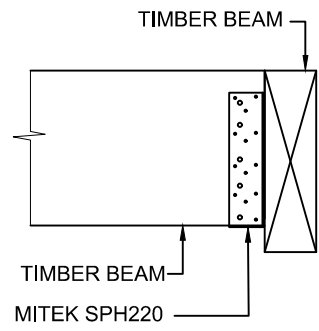


**MIDFLOOR PLAN**  
SCALE 1:100

**STEEL WORK NOTES**

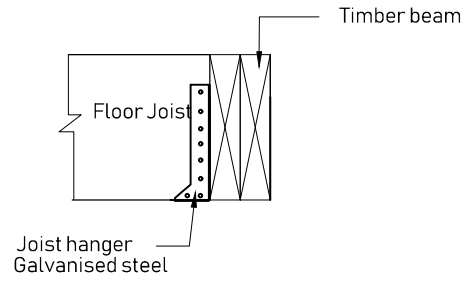
1. CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT.
2. ALL WELDING SHALL COMPLY WITH AS/NZS 1554.1 AND NZS 3404.
3. UNLESS SHOWN OTHERWISE ALL WELDS TO BE 6mm F.W.A.R.
4. ALL WELDS TO PORTAL FRAME RAFTERS, COLUMNS AND SPLICES SHALL BE CATEGORY SP.
5. ALL BUTT WELDS SHALL BE FULL PENETRATION BUTT WELDS UNLESS NOTED OTHERWISE.
6. ALL BUTT WELDS SHALL BE CATEGORY SP.
7. ALL OTHER WELDS MAY BE CATEGORY GP.
8. GENERALLY, ALL STEEL SECTIONS TO BE GRADE 300 TO AS3679.
9. MOMENT END CONNECTION PLATES TO BE GRADE 300 TO AS3678.
10. GENERALLY, ALL OTHER PLATES MAY BE GRADE 250 TO AS3678.
11. GENERALLY, ALL BOLTS TO BE CLASS 8.8 TO AS1252 WITH SUITABLY SIZED WASHERS AND TO BE H.D. GALVANISED.
12. PAINT ALL INTERNAL STEELWORK WITH ONE COAT OF ZINC PHOSPHATE PRIMER, 50 TO 70 µm DRY FILM THICKNESS, AND TOP COAT IN COLOUR SELECTED BY OWNER. ALL WORK IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
13. ALL COATS APPLIED IN SHOP.

<b>ENGINEERED BEAM (EB)</b>	
① 2/290X45 SG8	
② 295x85 HYNE 17C	
③ 2/290X45 SG8	
④ 300X90 hyONE	
⑥ 300X90 hyONE	
⑦ 250PFC	
⑧ 250PFC - continuous	
⑨ 250PFC - continuous	
<b>WIND BEAM (WB)</b>	
Ⓜ 330x130 HYNE 17C - continuous	
<b>ENGINEERED LINTEL (EL)</b>	
① 300 hy90	MiTek F fixing (2 Understuds + 1 fullheight stud)
② 240 hy90	MiTek G fixing
③ 2/140X45 SG8	MiTek F fixing
④ 2/140X45 SG8	MiTek F fixing
<b>NOTES:</b>	
ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NZS3604:2011. FLOOR JOISTS DESIGNED BY ARCHITECT. RUN FLOOR CONTINUOUS OVER WALL SUPPORTS WHERE POSSIBLE.	
	FLOOR JOISTS IN WET AREAS SHALL BE MAX 400 CRS WITH NOGGING @400 CRS. THE FLOORING IN WET AREAS SHALL BE 20mm MARINE GRADE EXTERIOR PLY.
	LOAD BEARING WALL
EB =	ENGINEER DESIGNED BEAM



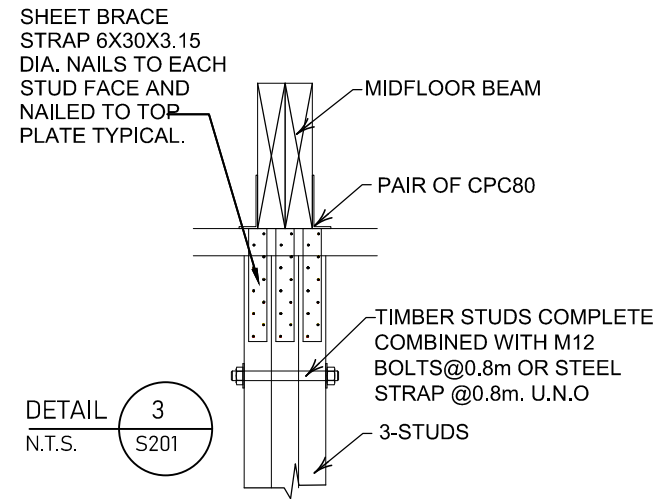
DETAIL 1  
N.T.S. S201

TYPICAL TIMBER BEAM TO TIMBER BEAM



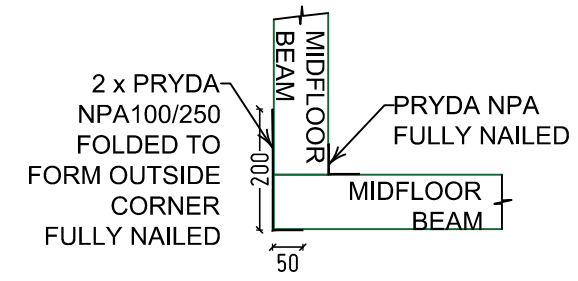
DETAIL 2  
N.T.S. S201

TIMBER BEAM / JOIST FIXING DETAILS



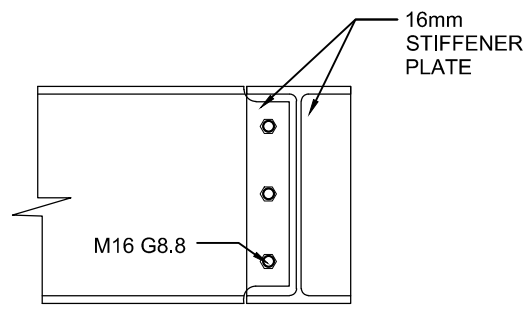
DETAIL 3  
N.T.S. S201

TYP. TIMBER BEAM TO STUDS DETAIL



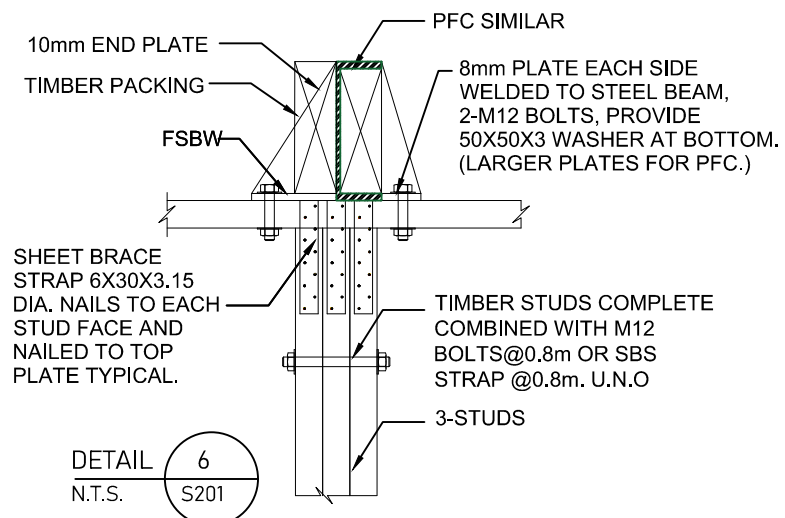
DETAIL 4  
N.T.S. S201

TIMBER BEAM TO TIMBER BEAM AT CORNER



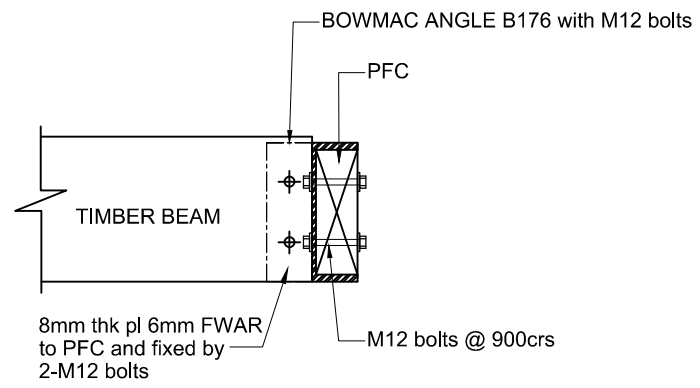
DETAIL 5  
N.T.S. S201

STEEL UB TO STEEL UB CONNECTION



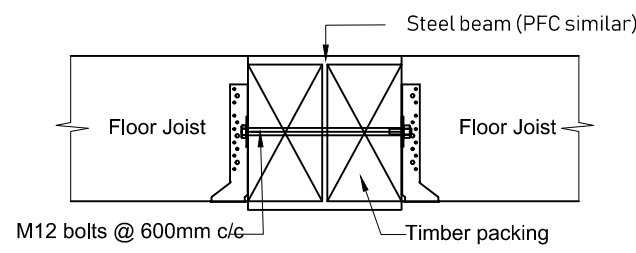
DETAIL 6  
N.T.S. S201

STEEL BEAM TO TIMBER STUD CONNECTION



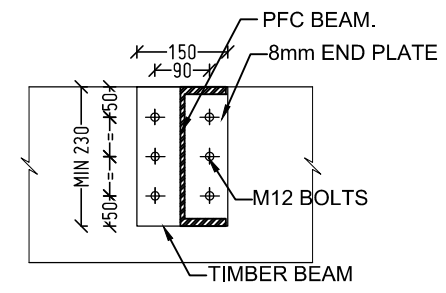
DETAIL 7  
N.T.S. S201

TYPICAL TIMBER BEAM TO STEEL BEAM



DETAIL 8  
N.T.S. S201

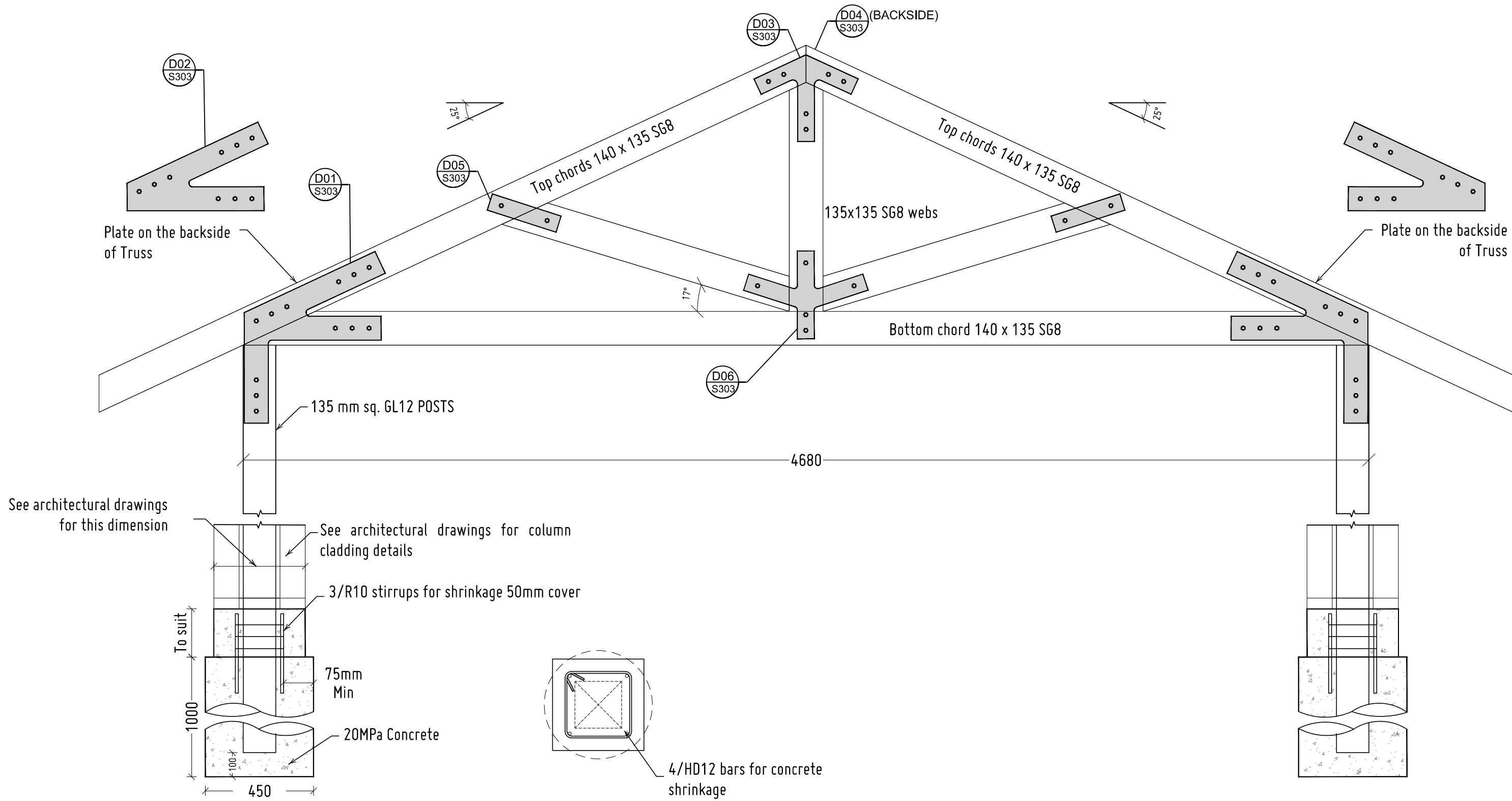
STEEL BEAM / JOIST FIXING DETAILS



DETAIL 9  
N.T.S. S201

STEEL PFC TO TIMBER BEAM

- STEEL WORK NOTES**
- CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT.
  - ALL WELDING SHALL COMPLY WITH AS/NZS 1554.1 AND NZS 3404.
  - UNLESS SHOWN OTHERWISE ALL WELDS TO BE 6mm F.W.A.R.
  - ALL WELDS TO PORTAL FRAME RAFTERS, COLUMNS AND SPLICES SHALL BE CATEGORY SP.
  - ALL BUTT WELDS SHALL BE FULL PENETRATION BUTT WELDS UNLESS NOTED OTHERWISE.
  - ALL BUTT WELDS SHALL BE CATEGORY SP.
  - ALL OTHER WELDS MAY BE CATEGORY GP.
  - GENERALLY, ALL STEEL SECTIONS TO BE GRADE 300 TO AS3679.
  - MOMENT END CONNECTION PLATES TO BE GRADE 300 TO AS3678.
  - GENERALLY, ALL OTHER PLATES MAY BE GRADE 250 TO AS3678.
  - GENERALLY, ALL BOLTS TO BE CLASS 8.8 TO AS1252 WITH SUITABLY SIZED WASHERS AND TO BE H.D. GALVANISED.
  - PAINT ALL INTERNAL STEELWORK WITH ONE COAT OF ZINC PHOSPHATE PRIMER, 50 TO 70 µm DRY FILM THICKNESS, AND TOP COAT IN COLOUR SELECTED BY OWNER. ALL WORK IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
  - ALL COATS APPLIED IN SHOP.

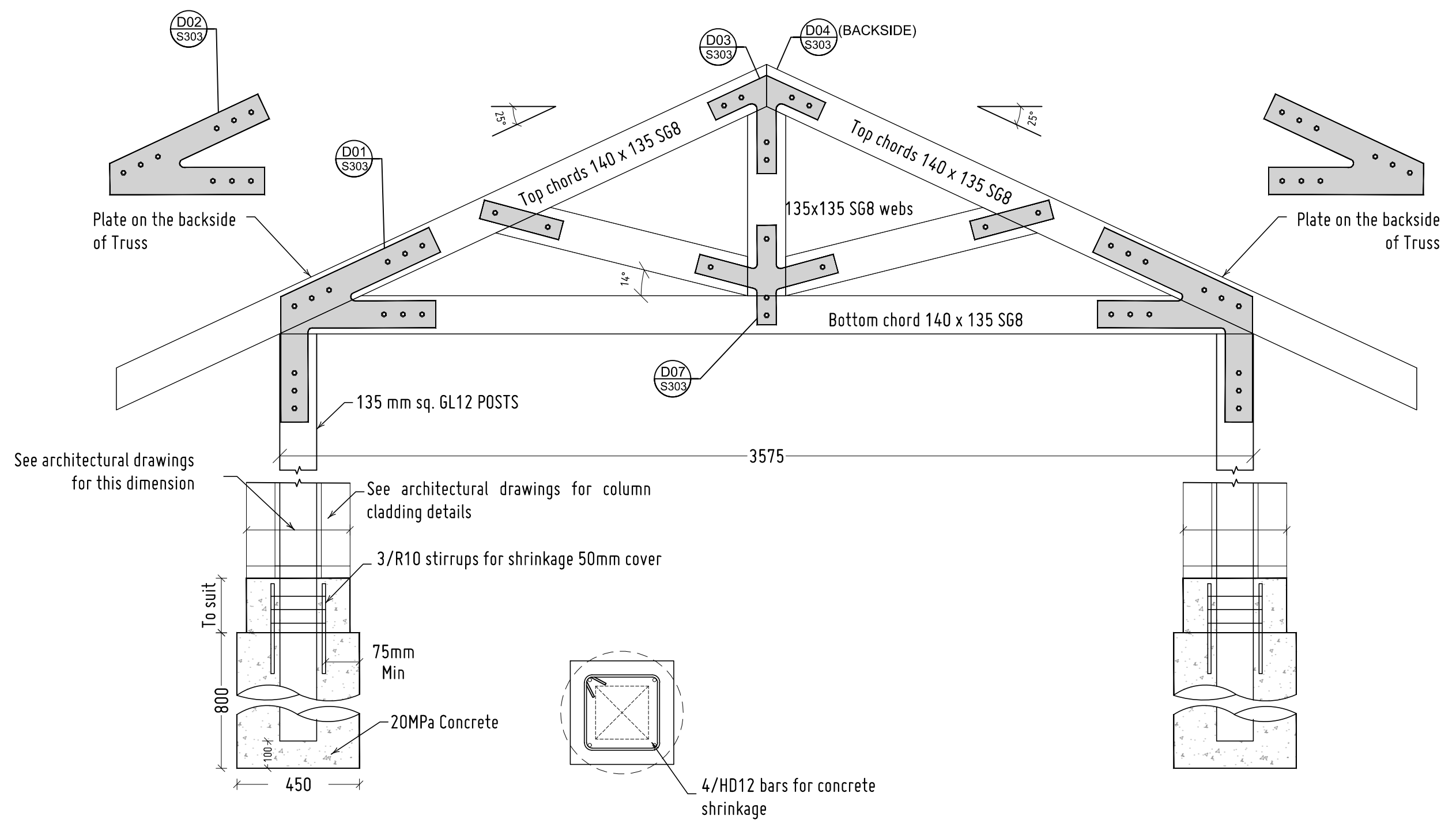


## PATIO DECO TRUSS T1 & POST FOUNDATIONS

SCALE 1:16

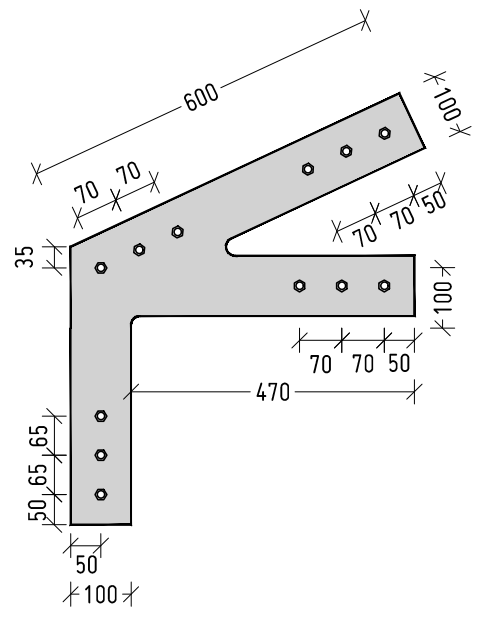
REV.	DESCRIPTION	DATE
A	ISSUED FOR BUILDING CONSENT	23/07/2019



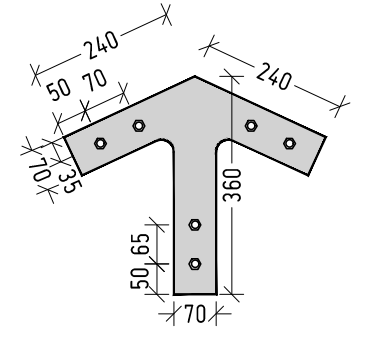


**ENTRY DECO TRUSS T2 & POST FOUNDATIONS**  
SCALE 1:16

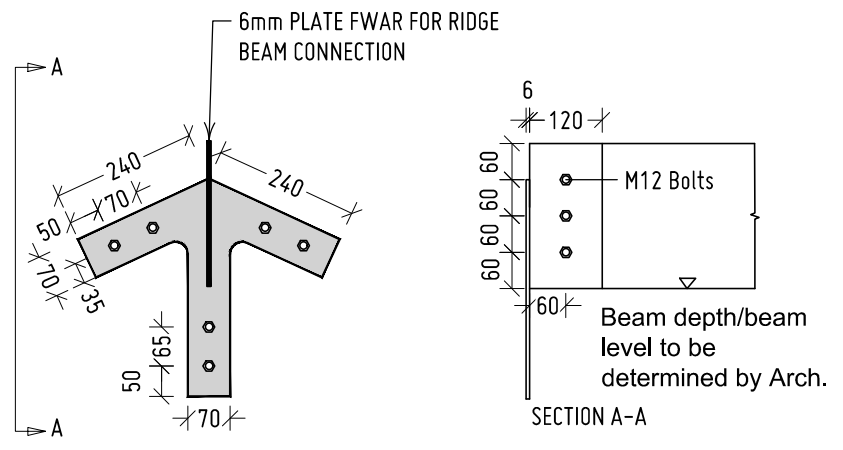
REV.	DESCRIPTION	DATE
A	ISSUED FOR BUILDING CONSENT	23/07/2019



**D01** CHORDS CONNECTION (LEFT)  
1:12.5

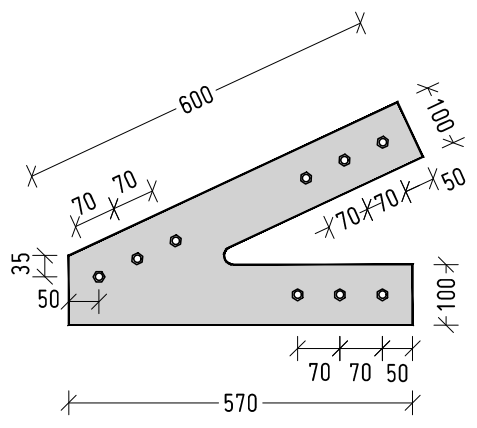


**D03** APEX CONNECTION  
1:12.5

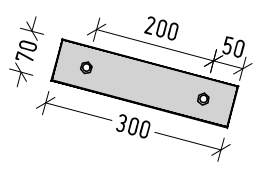


**D04** APEX CONNECTION (BACKSIDE)  
1:12.5

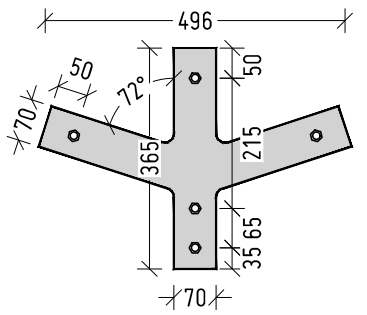
- STEEL WORK NOTES**
- CONTRACTOR SHALL CHECK ALL DIMENSIONS PRIOR TO COMMENCEMENT.
  - ALL WELDING SHALL COMPLY WITH AS/NZS 1554.1 AND NZS 3404.
  - UNLESS SHOWN OTHERWISE ALL WELDS TO BE 6mm F.W.A.R.
  - ALL WELDS TO PORTAL FRAME RAFTERS, COLUMNS AND SPLICES SHALL BE CATEGORY SP.
  - ALL BUTT WELDS SHALL BE FULL PENETRATION BUTT WELDS UNLESS NOTED OTHERWISE.
  - ALL BUTT WELDS SHALL BE CATEGORY SP.
  - ALL OTHER WELDS MAY BE CATEGORY GP.
  - GENERALLY, ALL STEEL SECTIONS TO BE GRADE 300 TO AS3679.
  - MOMENT END CONNECTION PLATES TO BE GRADE 300 TO AS3678.
  - GENERALLY, ALL OTHER PLATES MAY BE GRADE 250 TO AS3678.
  - GENERALLY, ALL BOLTS TO BE CLASS 8.8 TO AS1252 WITH SUITABLY SIZED WASHERS AND TO BE H.D. GALVANISED.
  - PAINT ALL INTERNAL STEELWORK WITH ONE COAT OF ZINC PHOSPHATE PRIMER, 50 TO 70 µm DRY FILM THICKNESS, AND TOP COAT IN COLOUR SELECTED BY OWNER. ALL WORK IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
  - ALL COATS APPLIED IN SHOP.



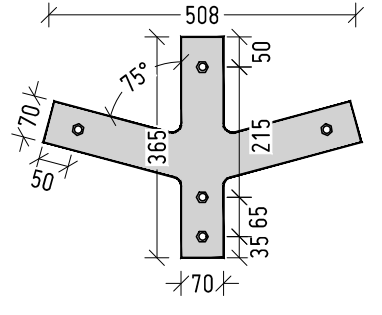
**D02** CHORDS CONNECTION (BACKSIDE)  
1:12.5



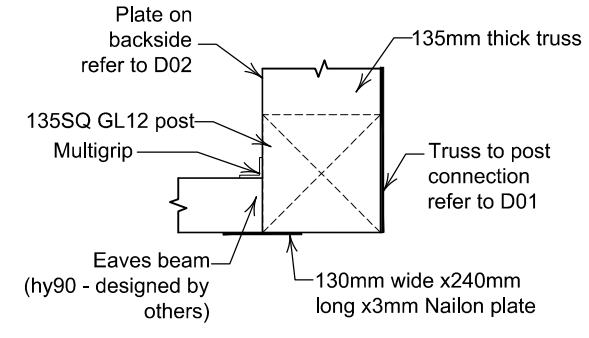
**D05** TOP CHORD TO WEB  
1:12.5



**D06** BOTTOM CHORD TO WEBS (T1)  
1:12.5



**D07** BOTTOM CHORD TO WEBS (T2)  
1:12.5



**D08** POST CONNECTION DETAIL  
1:12.5