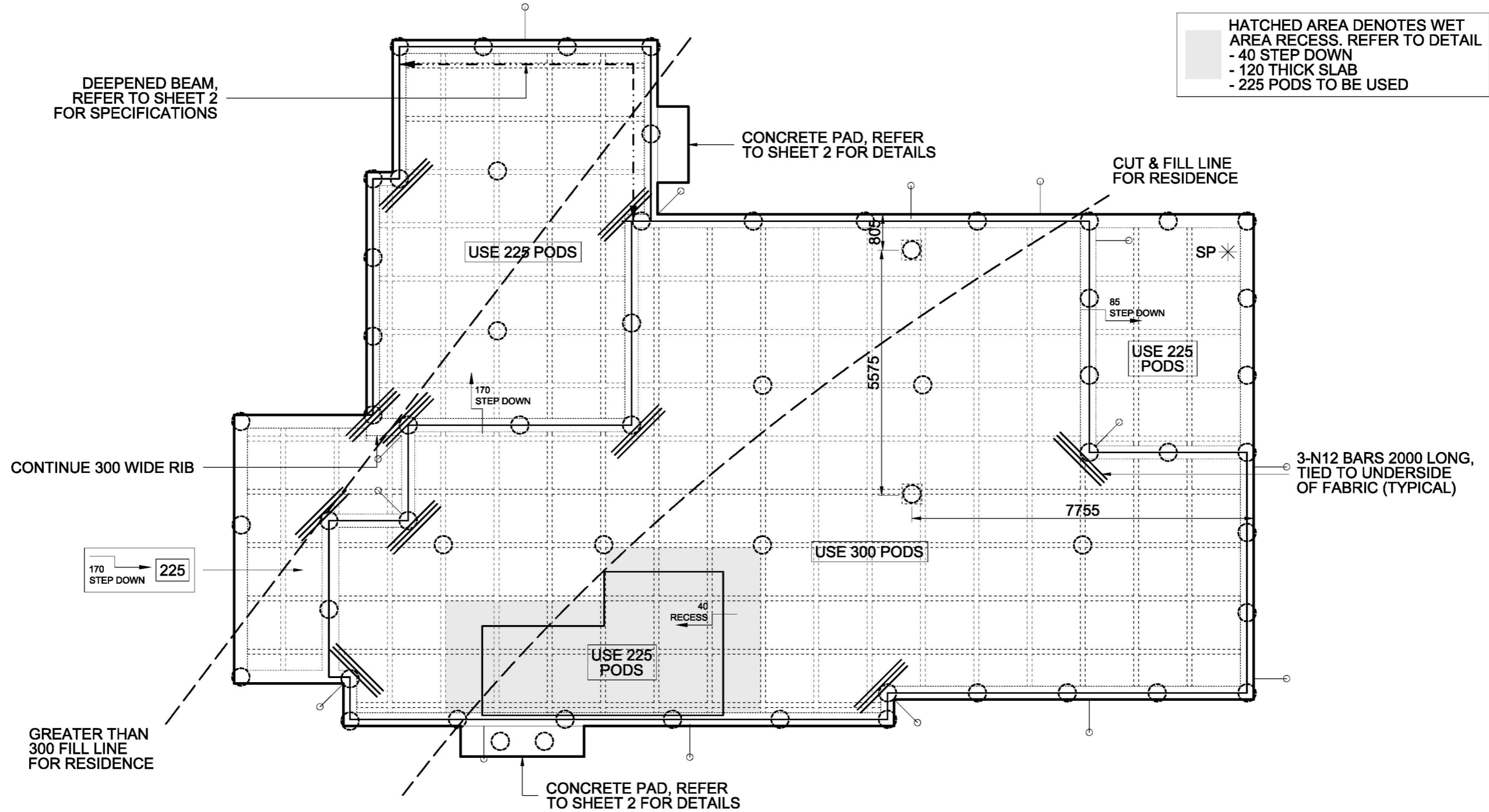


DEEPEMED BEAM,
REFER TO SHEET 2
FOR SPECIFICATIONS

HATCHED AREA DENOTES WET
AREA RECESS. REFER TO DETAIL
- 40 STEP DOWN
- 120 THICK SLAB
- 225 PODS TO BE USED



GENERAL CONSTRUCTION NOTES

- THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER WORKING DRAWINGS, SPECIFICATIONS AND ANY OTHER WRITTEN INSTRUCTIONS ISSUED DURING CONSTRUCTION. ALL DISCREPANCIES AND VARIATIONS SHALL BE REFERRED TO THE ENGINEER, BEFORE PROCEEDING WITH THE WORK
- DURING CONSTRUCTION THE STRUCTURE AND ANY ADJACENT STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED
- DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS
- THE CONTRACTOR IS RESPONSIBLE TO ESTABLISH THE LOCATION, SIZE AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS
- ALL SITE SAFETY MEASURES AND WORK METHOD STATEMENTS PREPARED BY BUILDER/SUB-CONTRACTORS ARE TO BE IMPLEMENTED DURING CONSTRUCTION. NO WORK IS TO COMMENCE UNTIL SUPERVISOR / BUILDER HAS IDENTIFIED AND APPROPRIATELY ACTED ON ANY POTENTIAL HAZARDS
- BUILDER TO ADHERE TO ANY GEOTECHNICAL REPORT RECOMMENDATIONS PREPARED FOR THE SITE
- ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF RELEVANT AUSTRALIAN STANDARD CODES AND THE REGULATIONS OF THE RELEVANT BUILDING AUTHORITY
- UNLESS REQUESTED AND PRODUCED ON THE PLANS, THE BUILDER IS TO ENSURE THAT ARTICULATION JOINTS ARE SHOWN ON THEIR ARCHITECTURAL DRAWINGS AND BE SATISFIED THAT THEY ARE IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND BUILDING CODES
- REFER TO THE ARCHITECTURAL PLANS FOR LOCATIONS OF ANY CONCRETE PADS REQUIRED
- FOUNDATION MATERIAL SHALL BE APPROVED PRIOR TO CONSTRUCTION

- A 1.0 METRE WIDE APRON, WITH 2% CROSS FALL AWAY FROM SLAB EDGE IS TO BE FORMED ALL AROUND THE RAFT SLAB WHERE APPLICABLE
- ADDITIONAL CONCRETE PIERS MAY BE REQUIRED UNDER SLAB TO EVEN BEARING IN SOIL AS RECOMMENDED BY AUSTRALIAN STANDARD AS 2870.
- ALL SITE FILLING PLACED BENEATH SLAB TO BE TREATED IN ACCORDANCE WITH CLAUSE 6.4. OF AS 2870.2 - 2011.
- NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS ARE TO BE MADE IN CONCRETE MEMBERS WITHOUT PRIOR ENGINEER'S APPROVAL
- IF THE LOCATION OF THE SLAB IS NEXT TO AN ABOVE OR BELOW ON SITE DETENTION SYSTEM OR BELOW GROUND RAINWATER TANK, THE BUILDER IS TO ADVISE ENGINEER IN ORDER TO ENSURE THAT CONCRETE PIERS ARE TAKEN 500mm BELOW THE INVERT OF TANK OR THE FOOTING OF THE SUPPORTING WALL FOR AN ABOVE GROUND DETENTION SYSTEM PREPARED FOR THE SITE
- IF THE LOCATION OF THE SLAB IS NEXT TO AN ABOVE OR BELOW ON SITE DETENTION SYSTEM OR BELOW GROUND RAINWATER TANK, THE BUILDER IS TO ADVISE ENGINEER IN ORDER TO ENSURE THAT CONCRETE PIERS ARE TAKEN 500mm BELOW THE INVERT OF TANK OR THE FOOTING OF THE SUPPORTING WALL FOR AN ABOVE GROUND DETENTION SYSTEM PREPARED FOR THE SITE
- FOOTINGS ARE DESIGNED FOR AN ALLOWABLE BEARING PRESSURE OF 100kPa.
- CONSTRUCTION JOINTS THAT ARE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER

- REINFORCEMENT SYMBOLS ARE AS FOLLOWS:
(N) - HOT ROLLED DEFORMED BARS (400 m)
(SL) - HARD DRAWN WIRE REINFORCING FABRIC (450 sl)
(S) - STRUCTURAL GRADE DEFORMED BARS
 - ALL REINFORCEMENT TO BE ADEQUATELY SUPPORTED IN ITS REQUIRED POSITION AND COVER DURING PLACEMENT OF CONCRETE
 - PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER
 - ALL CONCRETE TO BE MECHANICALLY VIBRATED AND SHALL BE CAREFULLY WORKED AROUND THE REINFORCEMENT AND INTO THE CORNERS OF FORMWORK
 - PIER HOLES ARE DESIGNED FOR ALLOWABLE BEARING PRESSURE OF 450kPa.
 - CONCRETE SPECIFICATION (F_c 28 DAYS) TO BE AS FOLLOWS: ADOPT TYPE 'A' CEMENT WITH MAX AGGREGATE SIZE OF 20mm AND 80mm SLUMP
- THE SLAB HAS BEEN DESIGNED FOR SALINE & ACID SULPHATE AFFECTED SOILS. REFER TO SHEET 1 & 2 FOR REQUIREMENTS REFERENCE HAS BEEN MADE TO RAFELETOS ZANUTTINI'S BOREHOLE & SOIL CLASSIFICATION REPORT UNDERTAKEN FOR THE PROPERTY**

BUILDER / HOME OWNER IS TO ADHERE TO CSIRO BROCHURE "FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE"

THESE STRUCTURAL ENGINEERING DETAILS ARE IN ACCORDANCE WITH
- AS2870-2011 RESIDENTIAL SLAB & FOOTING CODE
- AS4100 STEEL STRUCTURE CODE
- AS1170.1 & AS1170.2 WIND, DEAD & LIVE LOAD CODE
- BUILDING CODE OF AUSTRALIA: SECTION B STRUCTURES

LOCATION	SALINE AFFECTED F _c
PIERS	32 MPa
SLAB	32 MPa
STRIP FOOTING	32 MPa

- CLEAR COVER TO REINFORCEMENT TO BE AS FOLLOWS:

LOCATION	FORMED & SHELTERED	FORMED & EXPOSED	POURED ON GROUND
SLABS & WALLS	20	30	65
BEAMS	25	40	65
COLUMNS	40	50	-
STRIP FOOTING	-	-	65

- CONCRETE PIERS
- SEWER AFFECTED PIERS
- ⊗ REINFORCED CONC. PIERS
- ⊕ SCREW PIERS
- ⊙ ARTICULATION JOINT
- * STARTING POINT

STRUCTURAL SLAB PLAN

CLIENT	MR. M. SIELICKI
LOCATION	LOT 342 FORESTWOOD DRIVE, GLENMORE PARK
CLASSIFICATION	(P)H1
SHEET SIZE	A3
SHEET No.	1
REFERENCE	207916
SCALE	1 : 100
JOB No.	93133WS

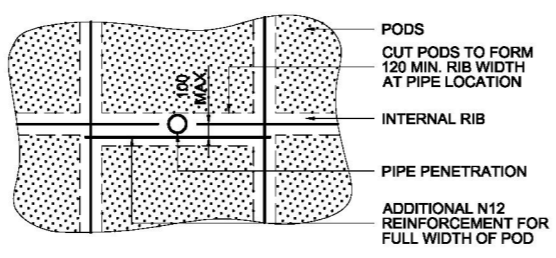
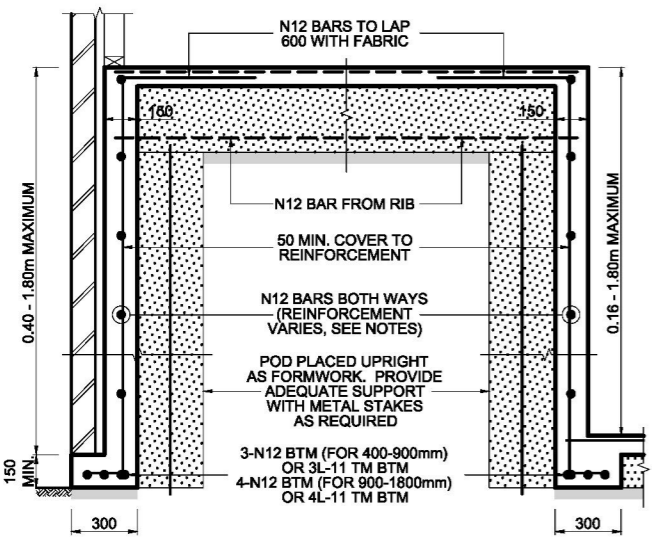
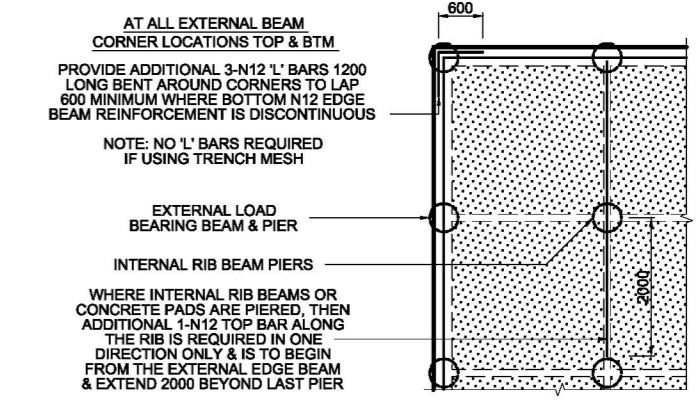
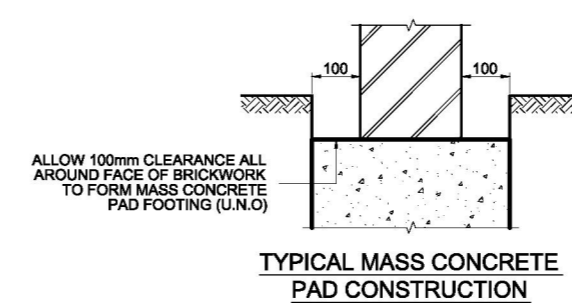
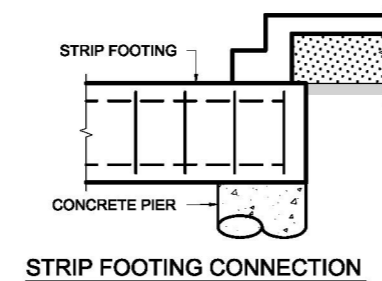
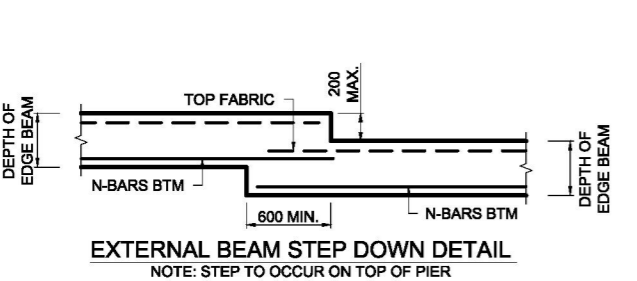
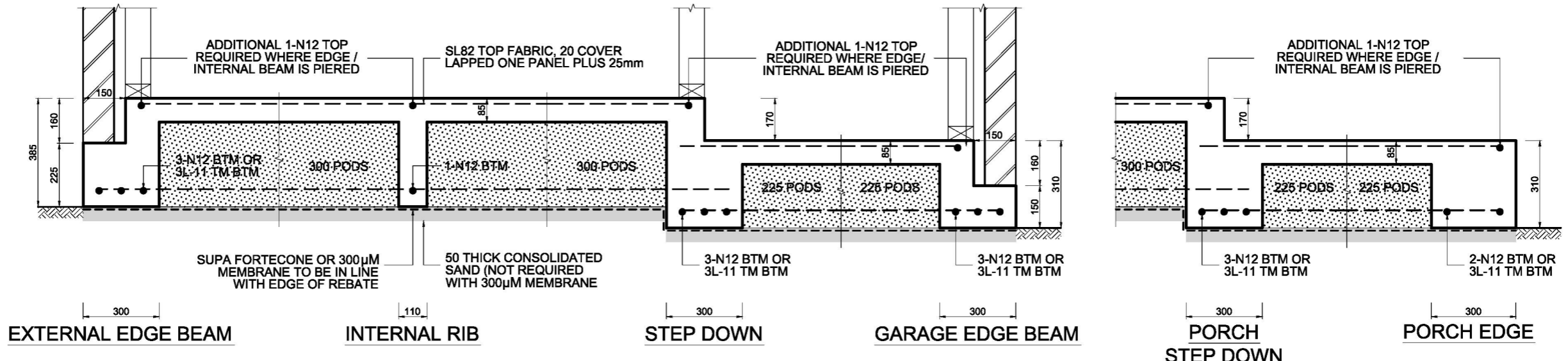


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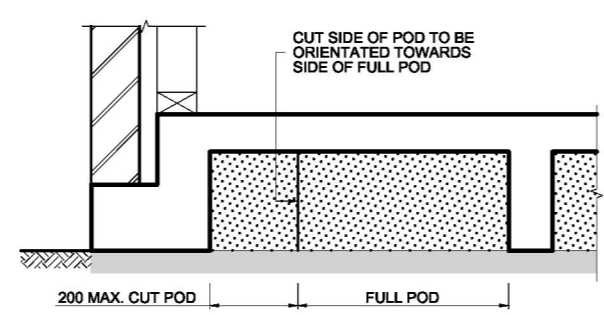
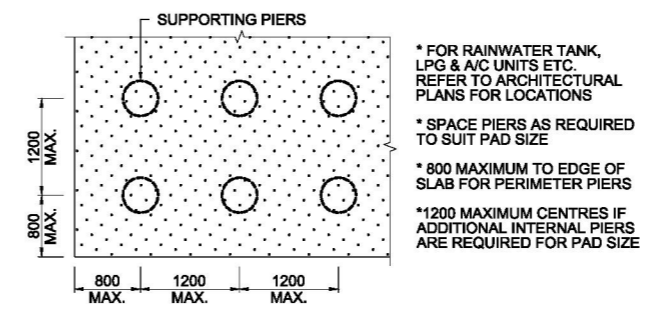
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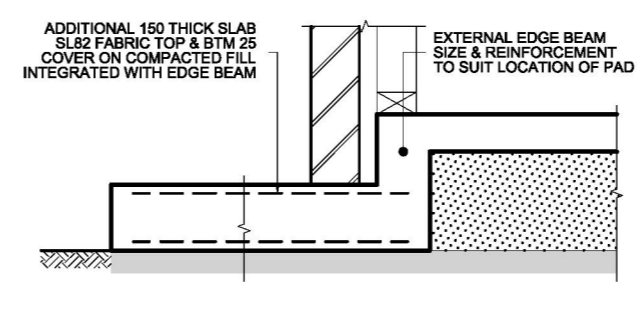
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PIPE PENETRATION THROUGH RIB



POD EXTENSION DETAIL



CONCRETE PAD DETAIL

THIS IS TO CERTIFY THAT THE SLAB HAS BEEN DESIGNED FOR SALINE/ACID SULPHATE AFFECTED SOILS.
 PROVIDE 400 DIA. CONCRETE PIERS TO CLAY & SAND, OR 300 DIA. TO ROCK OR SHALE.
 SPACE PIERS AT 2400 CTS. AS SHOWN ALONG EXTERNAL EDGE BEAM, UNLESS NOTED OTHERWISE.
 PIERS REQUIRED UNDER INTERNAL RIB BEAMS WHEN CONSTRUCTED ON MORE THAN 300mm OF UNCONTROLLED / NON-COMPACTED MATERIAL OR AS SHOWN.
 N12 BARS CAN BE REPLACE WITH 10.65mm HDW (450MPa STRESS GRADE)

EXTERNAL DEEP BEAM	INTERNAL DEEP BEAM
DEEP BEAM DEPTH	BEAM REINFORCEMENT
160 - 400MM	N12 BARS AT 1200 CENTRES & 1-N12 HORIZONTAL
400 - 900MM	N12 BARS AT 600 CENTRES & 1-N12 CENTRALLY
900 - 1500MM	N12 BARS AT 300 CENTRES BOTH WAYS
1500 - 1800MM	N12 BARS AT 200 CENTRES BOTH WAYS

REINFORCEMENT FOR RIBS & BEAMS		
WIDTH	TOP STEEL	BTM STEEL
301 - 330	1-N12	3-N12
331 - 440	2-N12	4-N12
441 - 550	3-N12	5-N12
551 - 660	4-N12	6-N12

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 Consulting Engineers

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STRUCTURAL SLAB DETAILS

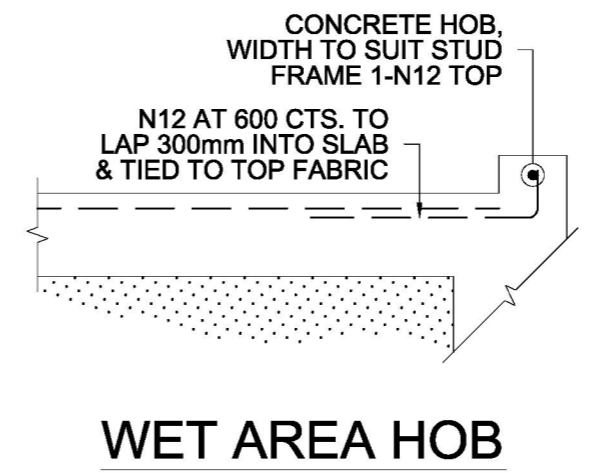
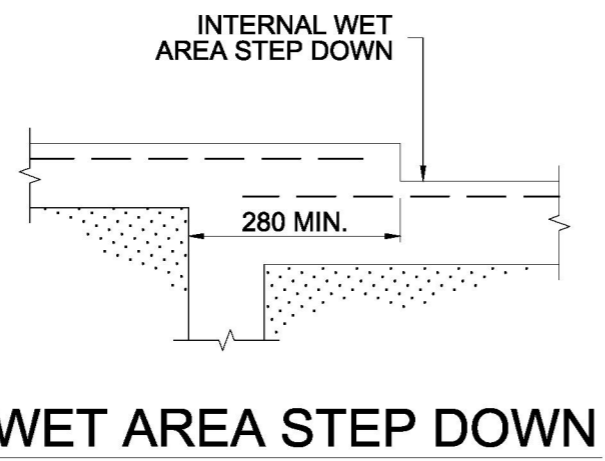
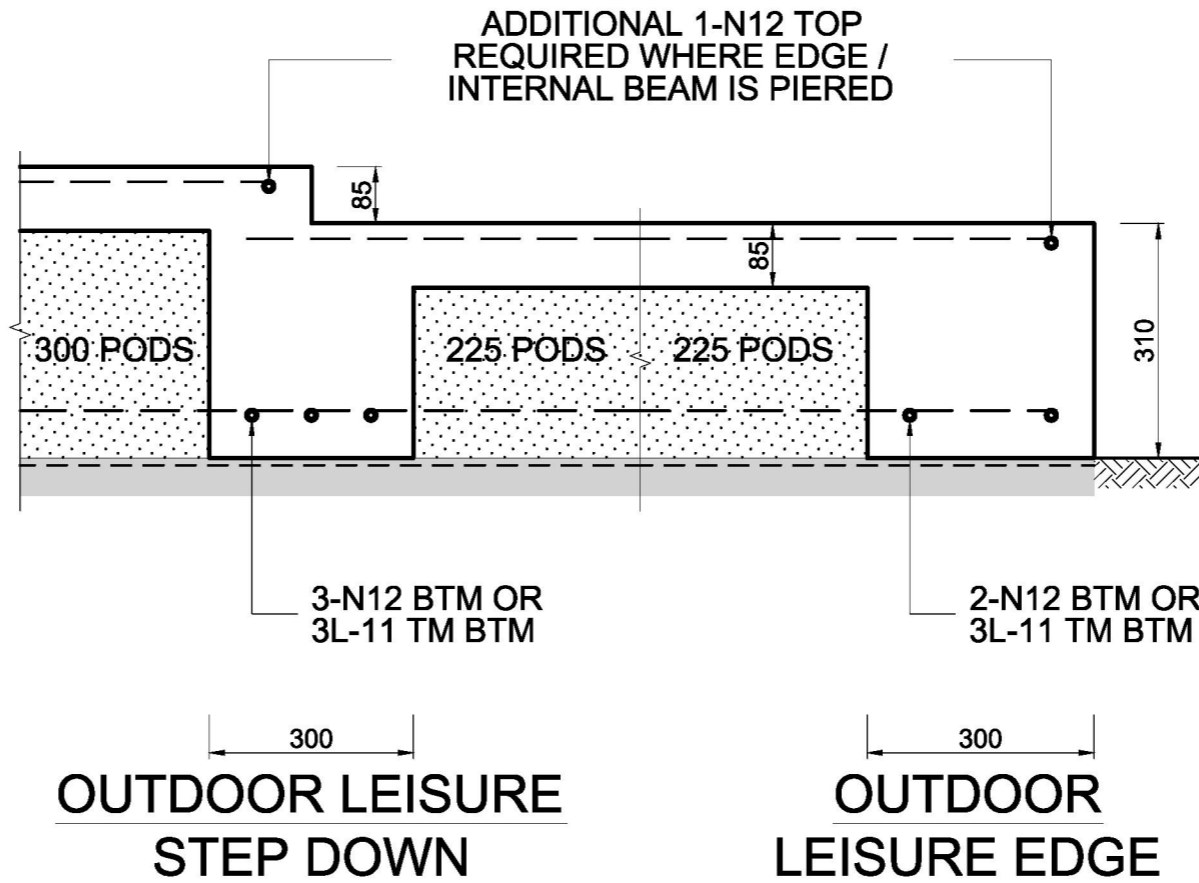
CLIENT MR. M. SIELICKI
 LOCATION LOT 342 FORESTWOOD DRIVE, GLENMORE PARK

SALINE / ACID SULPHATE	CLASSIFICATION (P)H1	SHEET No. 2
300.82.3.S 300.225170.3 300.225170.3	SCALE NTS	JOB No. 93133WS

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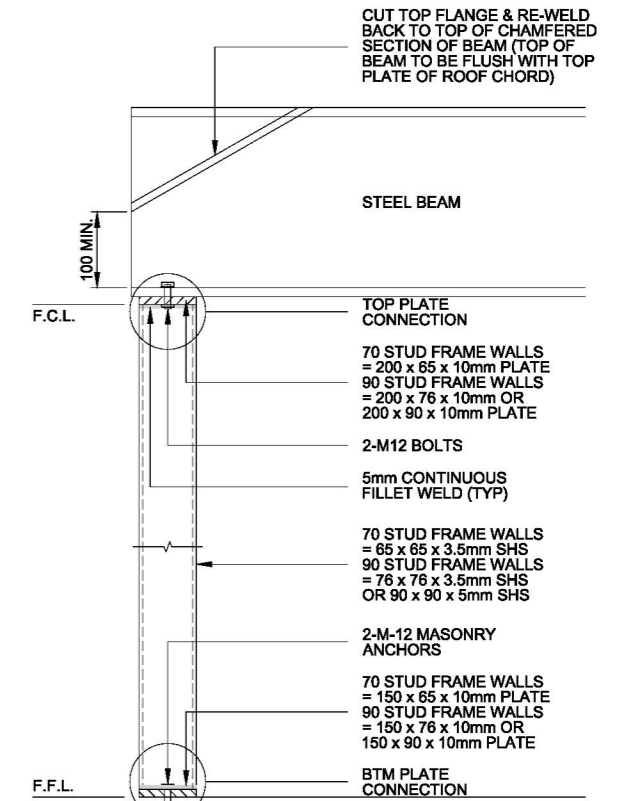
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STRUCTURAL SLAB DETAILS			
CLIENT	MR. M. SIELICKI		
LOCATION	LOT 342 FORESTWOOD DRIVE, GLENMORE PARK		
REFERENCE	207916	SHEET SIZE	A3
		SHEET No.	3
		SCALE	1 : 100
		JOB No.	93133WS

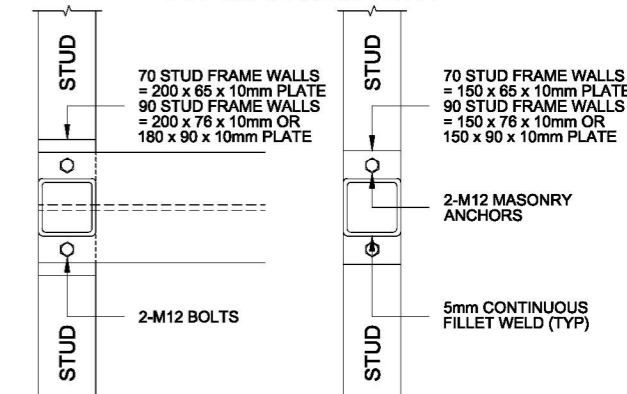
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STEEL DETAIL NOTES



TYPICAL SECTION



TOP PLATE CONNECTION

BOTTOM PLATE CONNECTION

NOTE:
- ALL STEELWORK TO BE PAINTED WITH AN APPROVED CORROSIVE RESISTANT PRIMER

- NOTE: IF BUILDING IS LOCATED WITHIN 1.0 KM OF SEVERE MARINE CONDITIONS, ENGINEER IS BE NOTIFIED, AND STEEL BEAMS ARE TO BE GALVANISED & ALL BRICKWORK COMPONENTS TO BE IN ACCORDANCE WITH AS3700-2011 MASONRY CODE - SECTION 5

- SHS: DENOTES SQUARE HOLLOW SECTION OR STEEL POST, BUILD POST INTO STUD FRAMEWORK

- ASHS: DENOTES ADJUSTABLE SQUARE HOLLOW SECTION STEEL POSTS, REFER TO "TYPICAL ADJUSTABLE STEEL POST DETAIL" WHERE APPLICABLE

- AP: DENOTES ADAPTER POST

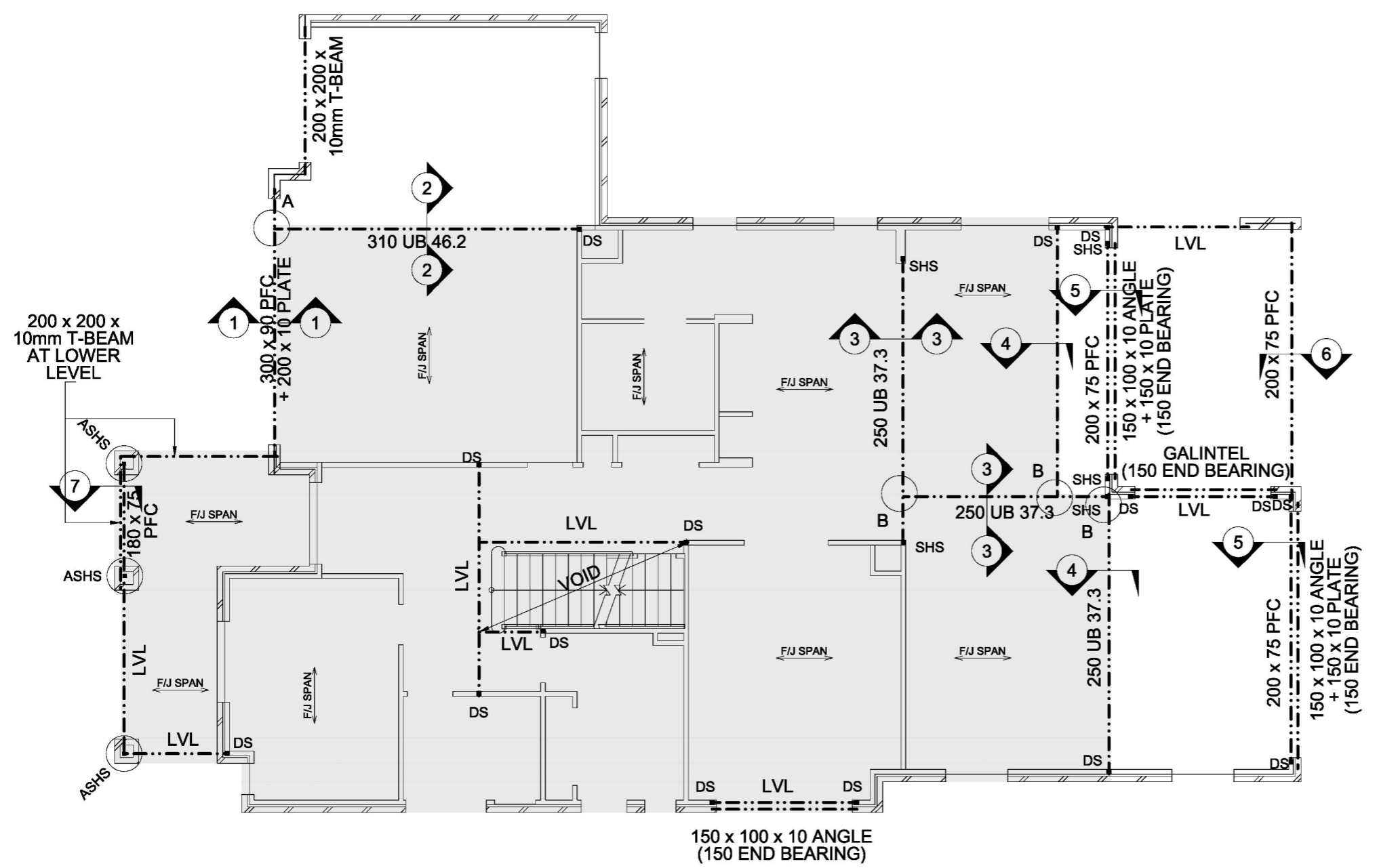
- 70 STUD FRAME WALLS
DS: DENOTES 1/70 x 70 OR 2/70 x 35 HARDWOOD STUDS OR STRUCTURAL LVL POST
TS: DENOTES 3/70 x 45 HARDWOOD STUDS

- 90 STUD FRAME WALLS
DS: DENOTES 1/90 x 90 OR 2/90 x 45 HARDWOOD STUDS OR STRUCTURAL LVL POST
TS: DENOTES 3/90 x 45 HARDWOOD STUDS

SHADING DENOTES FIRST FLOOR ABOVE

F/J SPAN

FLOOR JOIST TO MANUFACTURERS SPECIFICATIONS



POST SUPPORT NOTES (UNLESS NOTED OTHERWISE)		
MEMBER	BEARING LOCATION	END SUPPORT
LVL OR EQUIVALENT	STUDFRAME	DS OR EQUIVALENT
	BRICKWORK	ASHS OR 150 END BEARING MIN.
	TIMBER POST	BY BUILDER
GALINTEL	STUDFRAME	STEEL POST
	BRICKWORK	150 END BEARING MIN.
ANGLE	STUDFRAME	STEEL POST
	BRICKWORK	150 END BEARING MIN.
T-BEAM	STUDFRAME	STEEL POST
	BRICKWORK	150 END BEARING MIN.
STEEL BEAM	STUDFRAME	AS NOTED
	BRICKWORK	230 END BEARING MIN.



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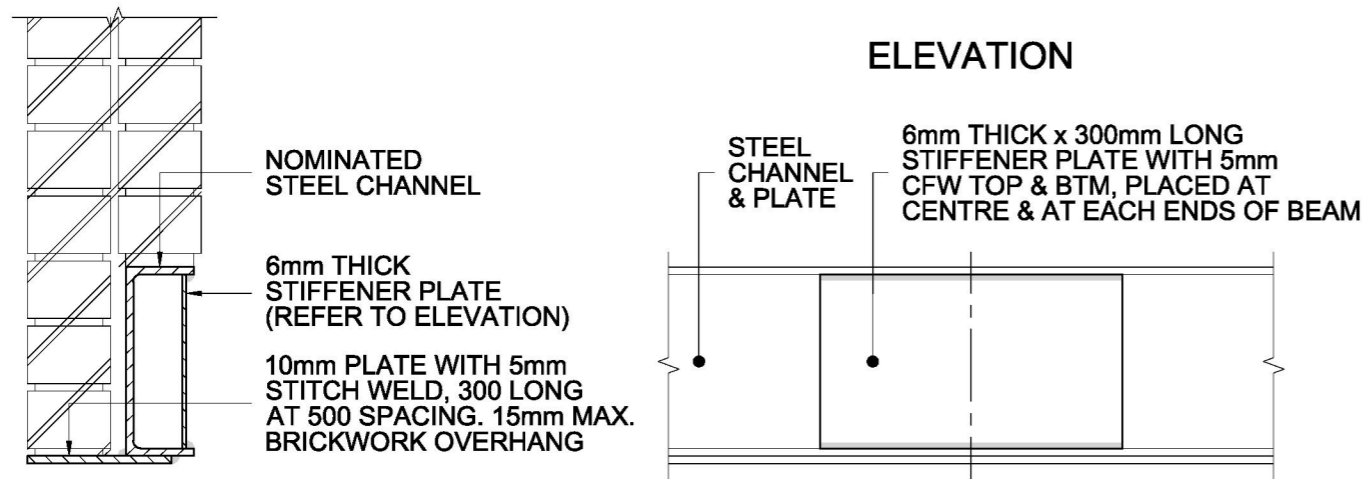
STRUCTURAL STEEL PLAN

CLIENT	MR. M. SIELICKI
LOCATION	LOT 342 FORESTWOOD DRIVE, GLENMORE PARK
REFERENCE	207916
SHEET SIZE	A3
SHEET No.	4
SCALE	1 : 100
JOB No.	93133WS

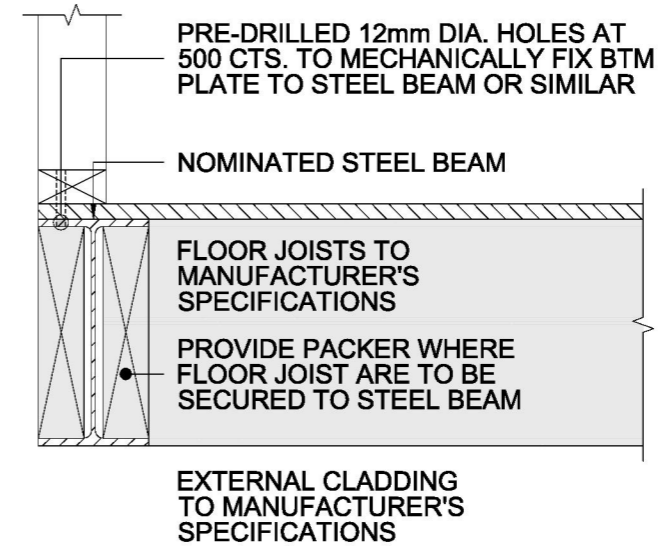


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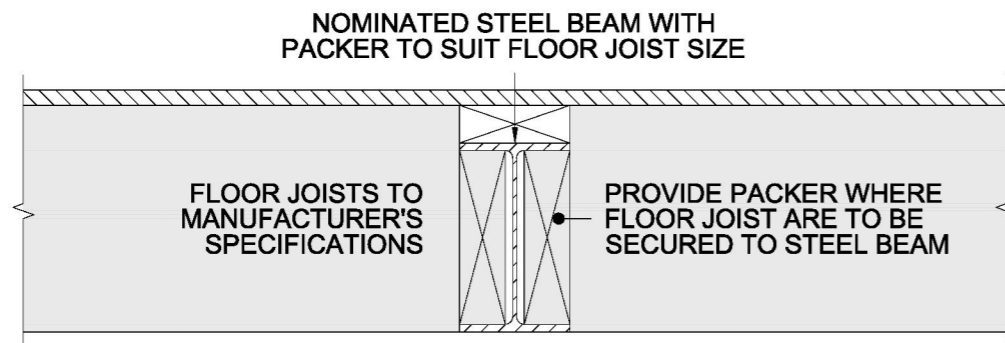
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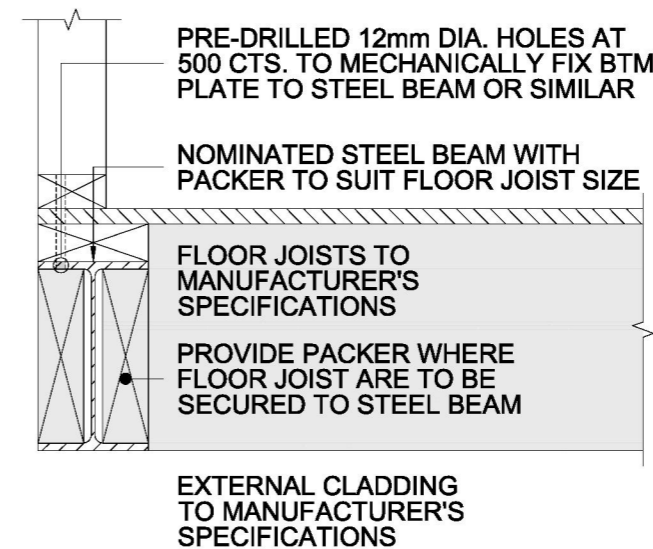
SECTION 1-1



SECTION 2-2



SECTION 3-3



SECTION 4-4

STRUCTURAL STEEL DETAILS



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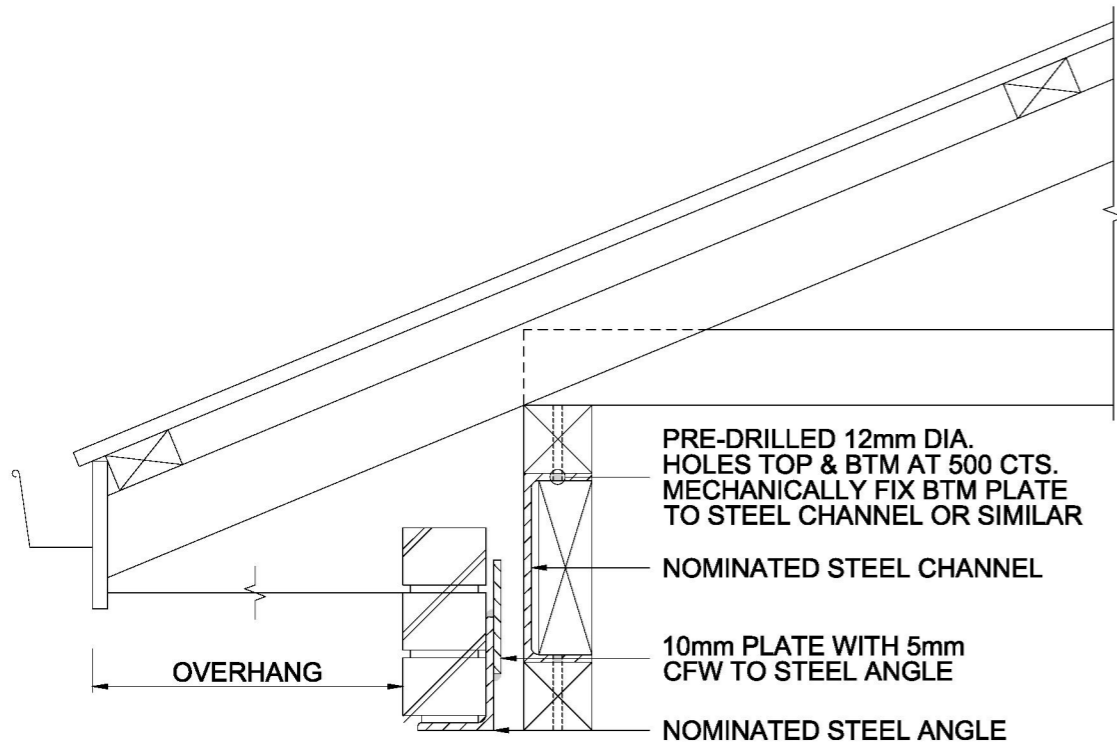
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CLIENT	MR. M. SIELICKI		
LOCATION	LOT 342 FORESTWOOD DRIVE, GLENMORE PARK		
REFERENCE	207916	SHEET SIZE	A3
		SHEET No.	5
		SCALE	NTS
		JOB No.	93133WS

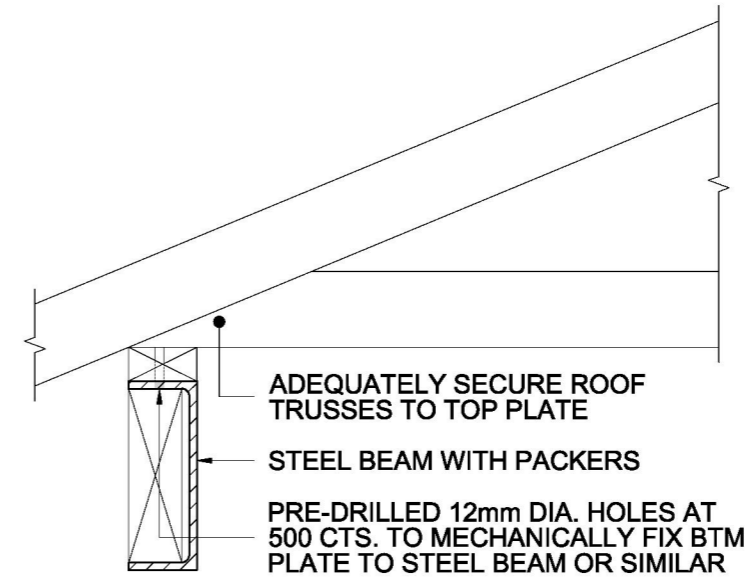


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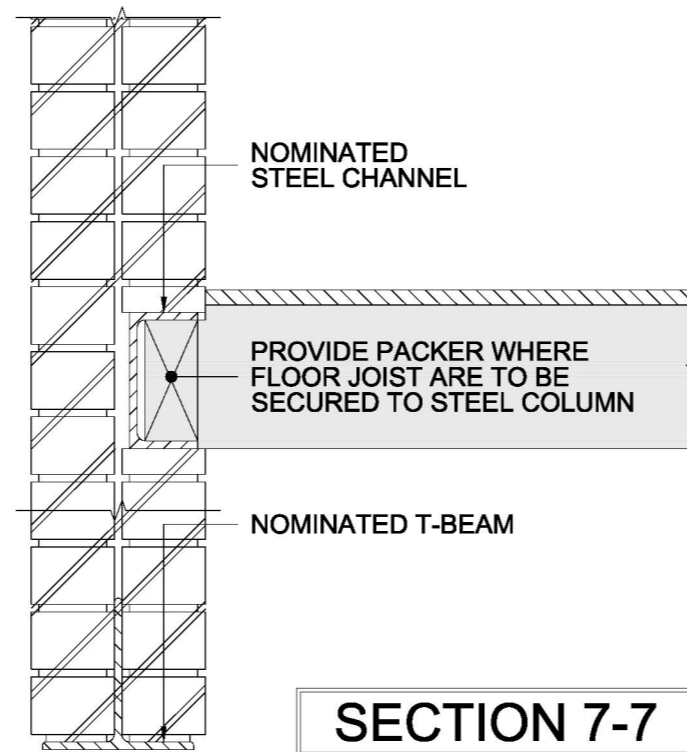
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SECTION 5-5



SECTION 6-6



SECTION 7-7

STRUCTURAL STEEL DETAILS



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CLIENT MR. M. SIELICKI
 LOCATION LOT 342 FORESTWOOD DRIVE, GLENMORE PARK

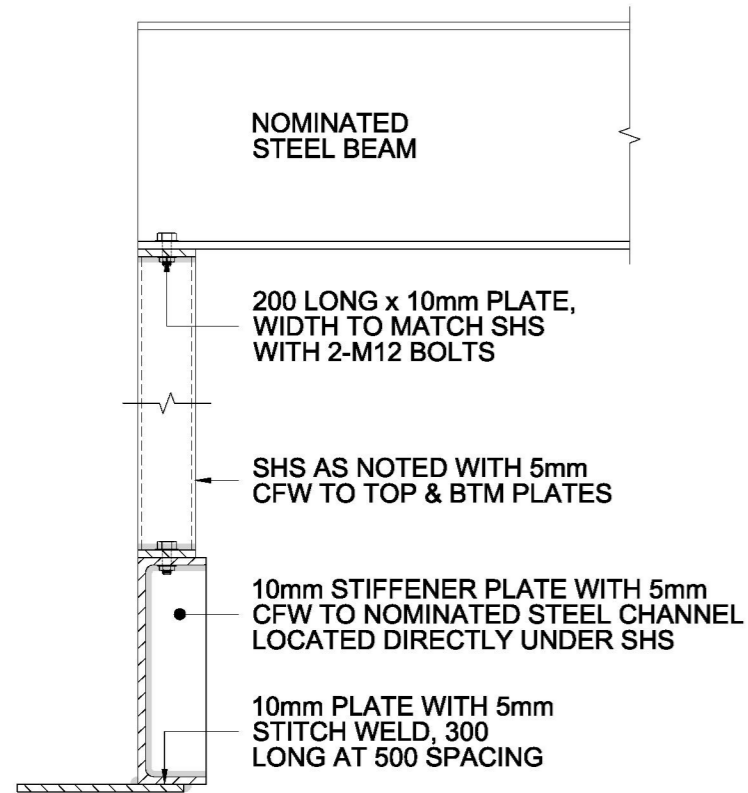


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		SCALE	NTS	JOB No.	93133WS

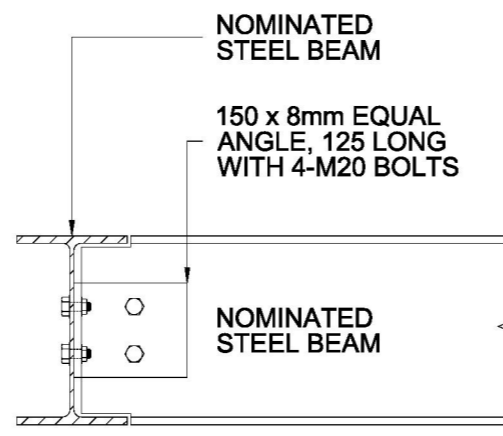


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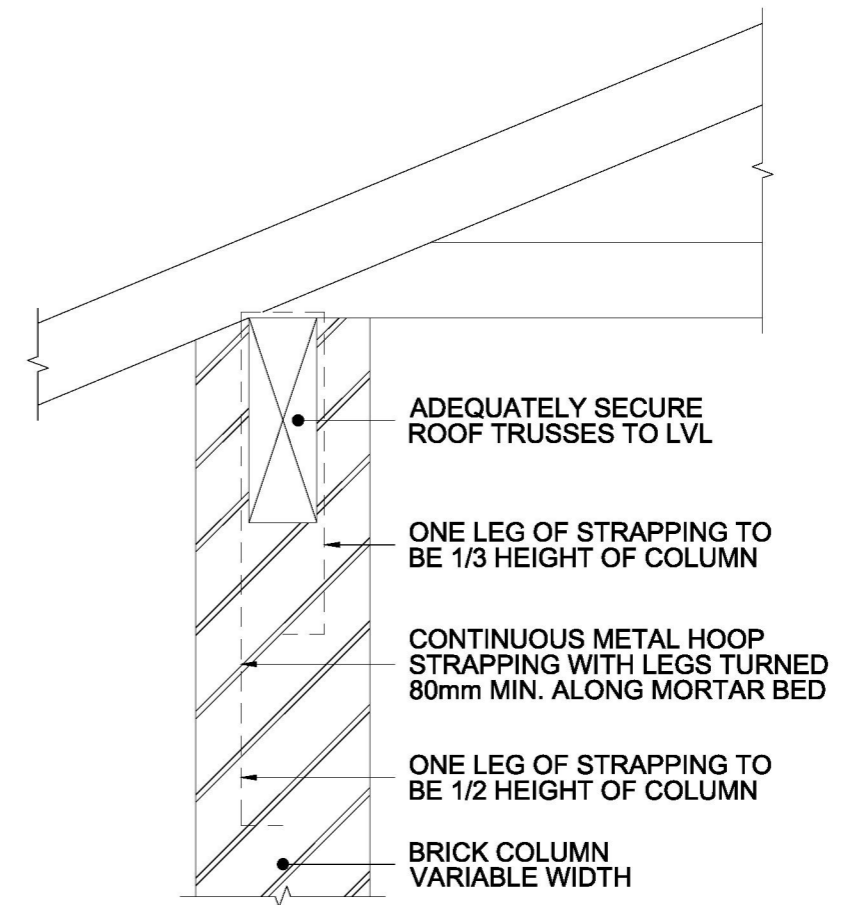
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DETAIL A



DETAIL B



LVL SECURING DETAIL

STRUCTURAL STEEL DETAILS

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CLIENT	MR. M. SIELICKI	SHEET SIZE	A3	SHEET No.	7
LOCATION	LOT 342 FORESTWOOD DRIVE, GLENMORE PARK	REFERENCE	207916	SCALE	NTS
				JOB No.	93133WS



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