

STRUCTURAL SLAB DETAILS

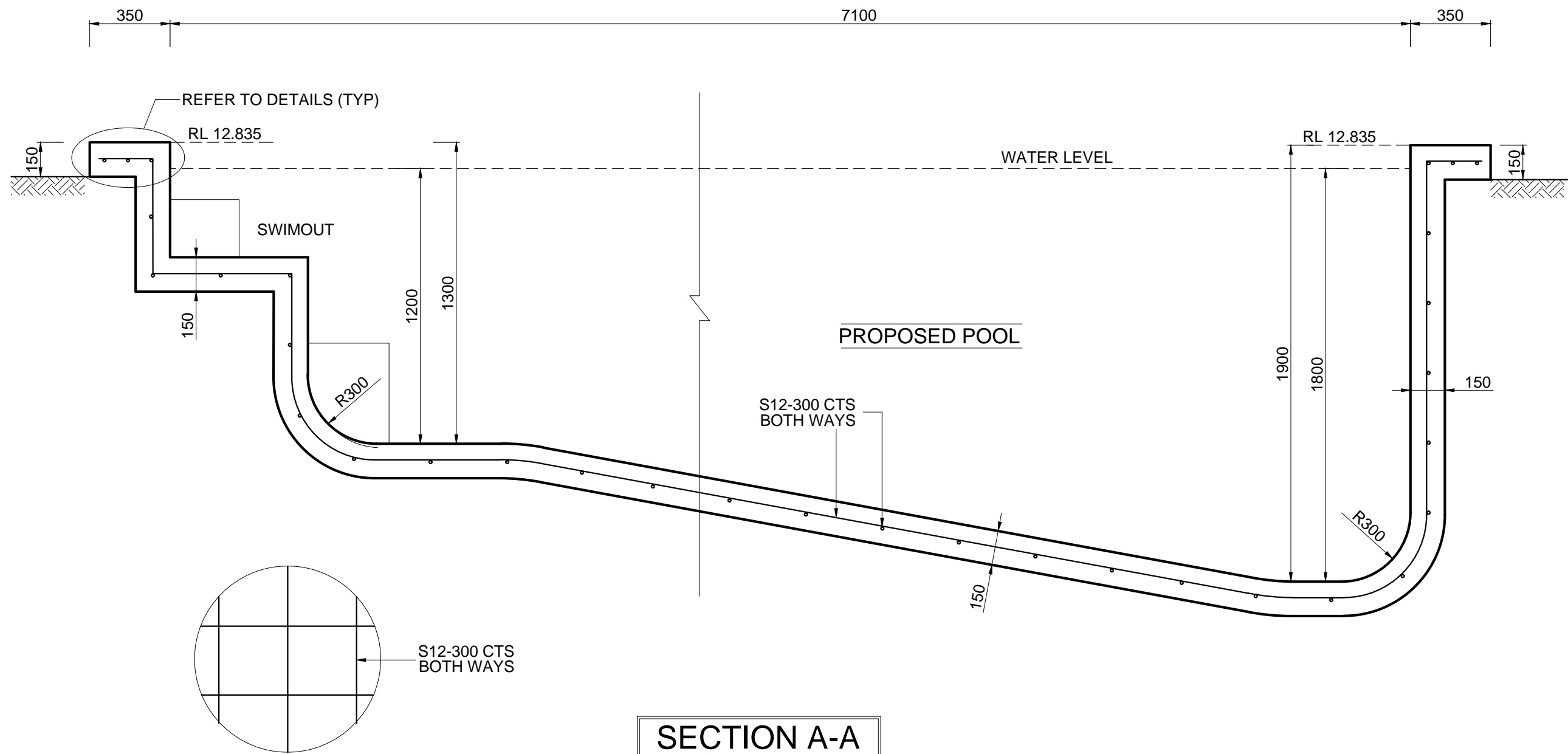
CLIENT MRS. FELICITY CARLILE & MR. ROBERT CARLILE
LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

[Signature]
B.E. M.I.E. AUST.

REFERENCE	180504	SHEET SIZE	A3	SHEET No.	3
SCALE	1 : 100	JOB No.	85436WS		

REVISION SCHEDULE

A ORIGINAL ISSUE	J.J 01/10/19
B POOL DETAILS	J.O 24/10/19



SECTION A-A



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LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

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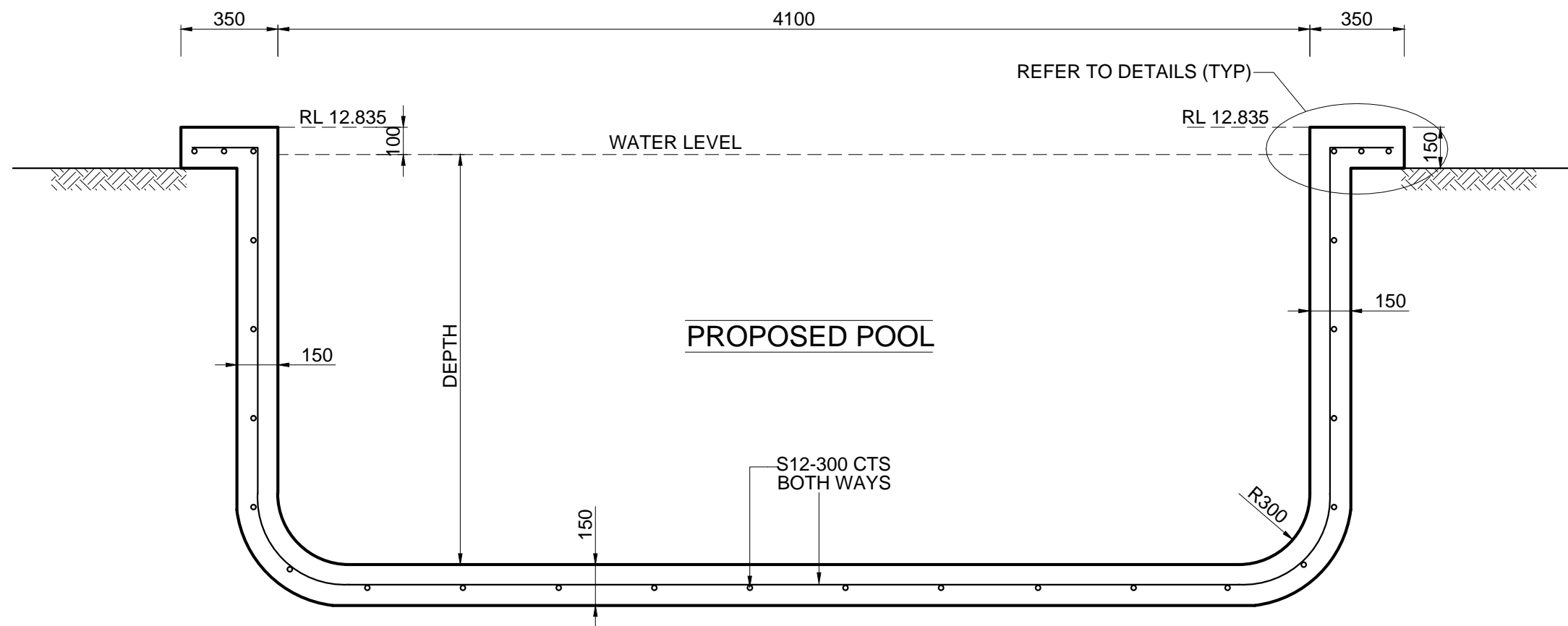
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SCALE	1 : 20	JOB No.	85436WS		

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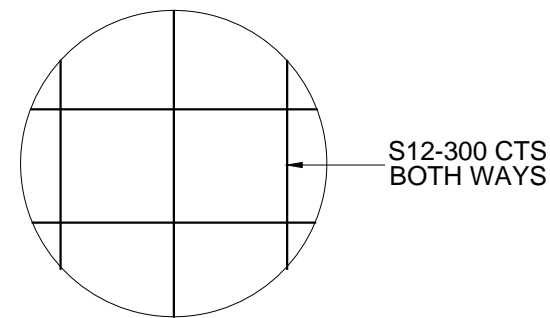
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REVISION SCHEDULE

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SECTION B-B



STRUCTURAL POOL CROSS-SECTION



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CLIENT MRS. FELICITY CARLILE & MR. ROBERT CARLILE
LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

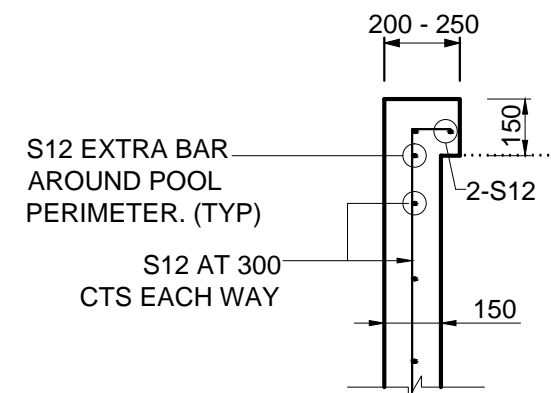
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REFERENCE	180504	SHEET SIZE	A3	SHEET No.	5
SCALE	1 : 20	JOB No.	85436WS		

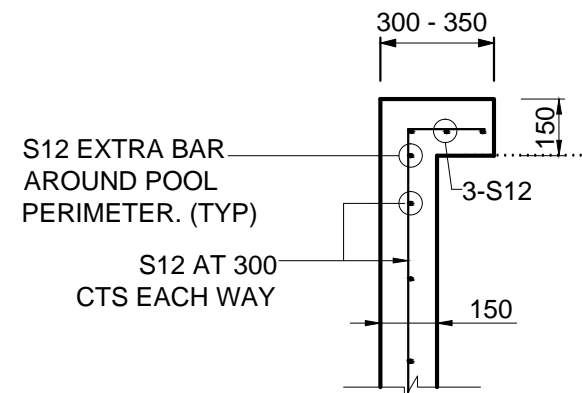
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REVISION SCHEDULE

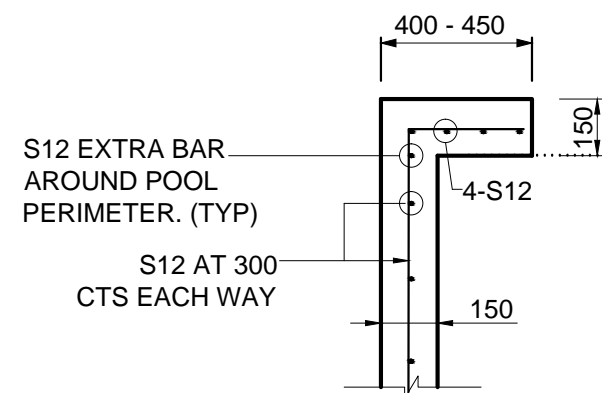
A ORIGINAL ISSUE	J.J 01/10/19
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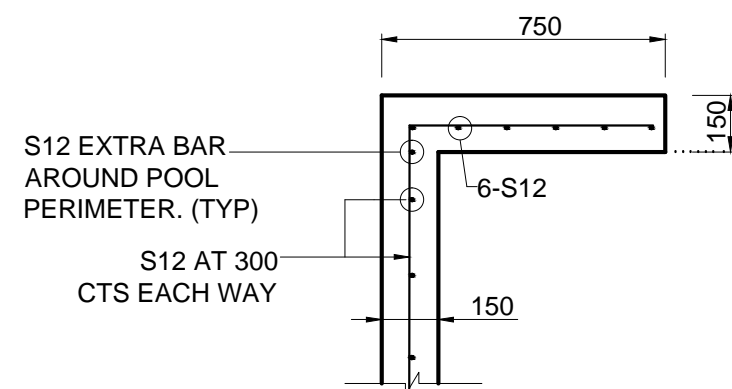
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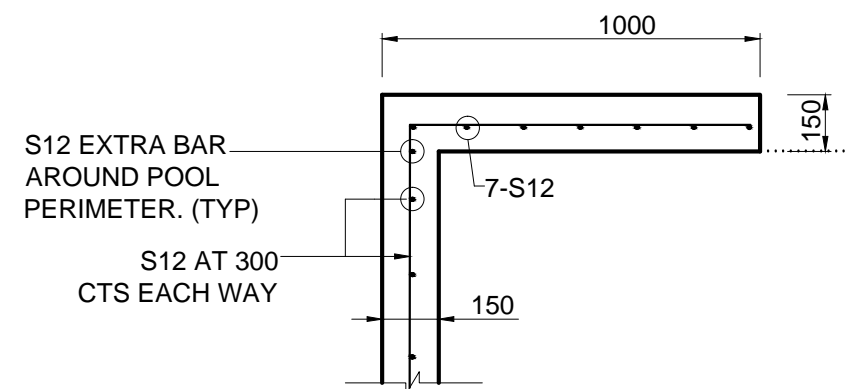
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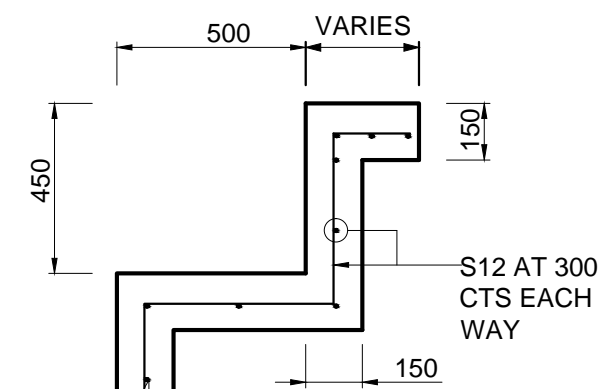
400 - 450mm COPING



750mm COPING



1000mm COPING

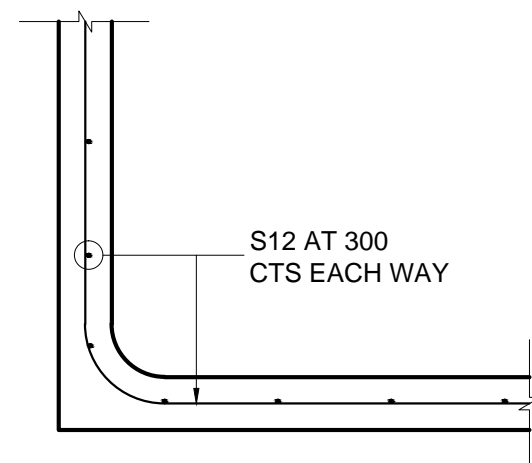


SWIM OUT

SCALE 1:20

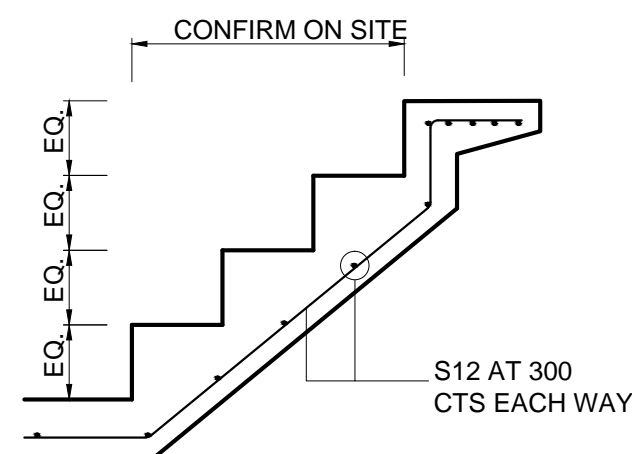
COPING & WALKWAY DETAILS

SCALE 1:20

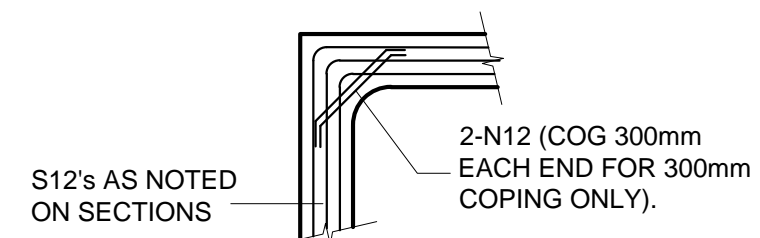


WALL CORNER DETAIL

SCALE 1:25



TYP STEP DETAIL



COPING CORNER DETAIL

TYPICAL POOL DETAILS

CLIENT MRS. FELICITY CARLILE & MR. ROBERT CARLILE
LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

[Signature]
B.E. M.I.E. AUST.

SHEET SIZE A3 SHEET No. 6
REFERENCE 180504 SCALE 1 : 20 JOB No. 85436WS

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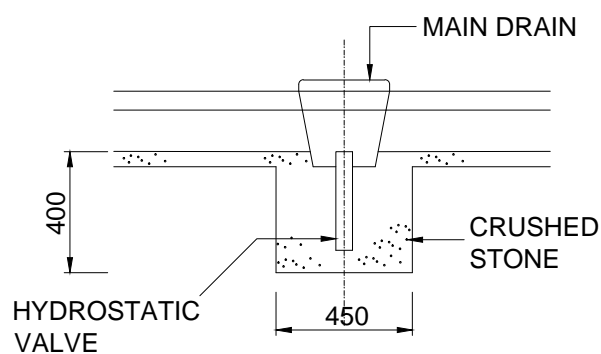
REVISION SCHEDULE

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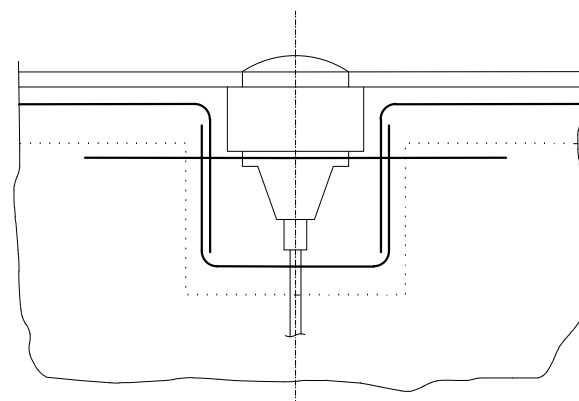
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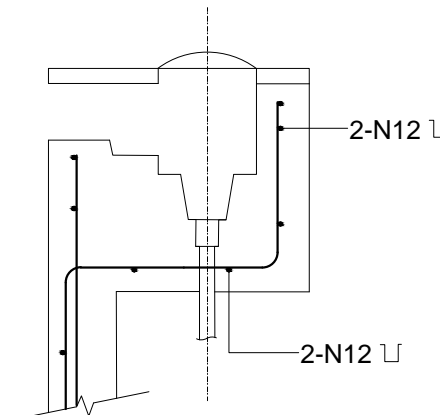
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MAIN DRAIN DETAIL

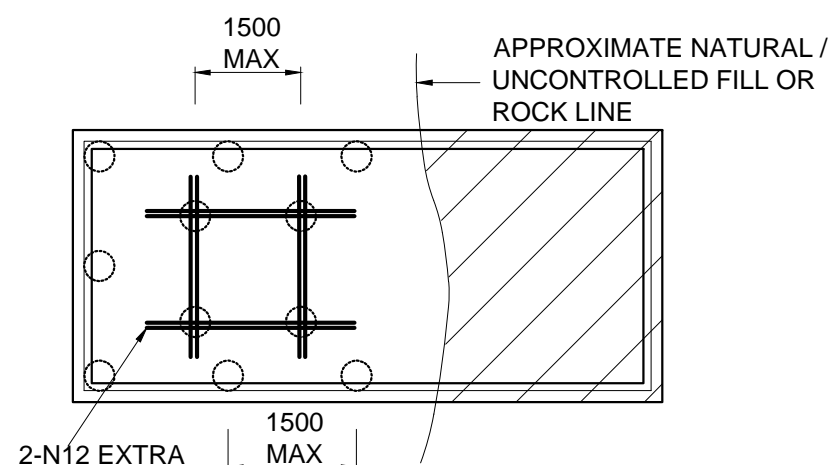


ELEVATION



SECTION

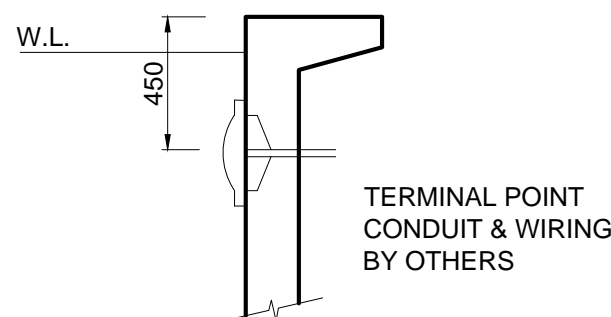
SKIMMER DETAILS



NOTE : WHERE POOL RESTS PARTIALLY ON UNCONTROLLED FILL OR ROCK, SUSPEND REMAINDER OF POOL ON 450mm dia. MASS CONCRETE PIERS TO ROCK OR NATURAL EVEN BEARING. PIERS UNDER WALLS AT 2300 max. cts. PIERS UNDER FLOOR AT 1500 max. cts. PIERS LONGER THAN 1000mm TO BE REINFORCED WITH 6-N12 & R10 TIES AT 300 cts.

PIERING DETAIL

SCALE 1:25



LIGHT DETAIL

NOTES:

GENERAL

- G1. ALL WORK IS TO BE ACCORDANCE WITH THE CONCRETE STRUCTURES CODE AS 3600, THE CONCRETE SWIMMING POOL CODE AS 2783 , AS 1170 DEAD AND LIVE LOAD COVER AND BCA REQUIREMENTS.
- G2. THE DRAWING IS NOT TO BE SCALED.
- G3. THE ENGINEER IS TO BE NOTIFIED OF ANY EXISTING STRUCTURE, SEWER OR DRAINAGE PIPES WITHIN 2m OF THE POOL.
- G4. SETTING OUT DIMENSIONS OR MEMBER SIZES SHALL NOT BE SCALED FROM THE DRAWINGS.
- G5. THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE CONTRACT BUT NOT FORM PART OF THE CONTRACT.
- G5. THESE DRAWINGS ARE PREPARED WITH LIMITED SITE KNOWLEDGE ANY UNFORESEEN SITE CONDITIONS THAT MAY EFFECT THE DESIGN MUST IMMEDIATELY BE NOTIFIED TO THE ENGINEER.
- G6. POOL SHELL IS NOT DESIGNED FOR SURCHARGE LOADING FROM OTHER STRUCTURES.
- G7. POOL SAFETY FENCE IS TO COMPLY WITH AS 1926 AND TO BE COUNCIL APPROVED PRIOR TO THE POOL BEING FILLED.
- G8. UPON COMPLETION OF CONCRETING THE HYDROSTATIC VALUE IS TO BE CLEANED AND CHECKED TO ENSURE CORRECT OPERATION.

CONCRETE

- C1. COVER TO REINFORCEMENT IN WALLS AND FLOOR IS TO BE 65mm TO SOIL FACE AND 70mm TO THE WATER FACE.
- C2. THE CONCRETE IS TO BE MOIST CURED BY HOSING WITH A FINE WATER SPRAY FOR SEVEN DAYS AFTER PLACEMENT.
- C3. ALL CONCRETE SHALL BE GRADE 25 (MPa) MIN. WITH A MAX AGGREGATE SIZE OF 10mm AND A MAXIMUM SLUMP OF 80mm, GRADE 32 MPa IF SITE LOCATION WITHIN ONE KILOMETRE OF SEA.
- C4. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS SHOWN IN TABLE 16.3 OF AS 2763 MIN 50mm TO WATER FACE.
- C5. SIZE OF CONCRETE DO NOT INCLUDE APPLIED FINISHES.

FOUNDATION

- F1. FOUNDATION MATERIAL IS TO BE NATURALLY OCCURRING AND TO HAVE SAFE UNIFORM BEARING PRESSURE OF 200kPa. THE ENGINEER IS TO NOTIFIED IF ANY ROCK IS ENCOUNTERED.
- F2. A CONTINUOUS DRAINAGE LAYER OF COURSE SAND, CRUSHED ROCK OR SIMILAR APPROVED MATERIAL IS TO BE PROVIDED BELOW THE POOL.
- F3. AN IMPERVIOUS MEMBRANE IS TO BE PLACED BETWEEN THE POOL FLOOR AND THE DRAINAGE LAYER .
- F4. FOUNDATION MATERIAL TO BE APPROVED BY ENGINEER FOR SAFE BEARING CAPACITY BEFORE SHELL CONSTRUCTION.
- F5. POOL DESIGN IS SUITABLE FOR SITE CLASSED A, S, OR M AS PER AS 2870 OTHERWISE ENGINEER SHALL BE NOTIFIED.
- F6. EXCAVATIONS SHALL BE KEPT FREE OF WATER, IF BEARING SURFACE DETERIORATES, ALL LOOSE SOFT MATERIAL SHALL BE CLEANED OUT BEFORE CONCRETE IS POURED.

REINFORCEMENT

- R1. REINFORCEMENT IS TO BE STRUCTURAL GRADE DEFORMED BARS TO AS 1302.
- R2. REINFORCEMENT IS TO BE SUPPORTED ON CHAIRS AT APPROXIMATELY 900mm CENTRES.
- R3. SPLICES TO BE LAPPED 500mm.
- R4. REINFORCEMENT IS TO BE ADEQUATELY WIRE TIED AND THE TIE ENDS FLATTENED INTO THE PLANE OF THE BARS.



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TYPICAL POOL DETAILS & NOTES

CLIENT MRS. FELICITY CARLILE & MR. ROBERT CARLILE
LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

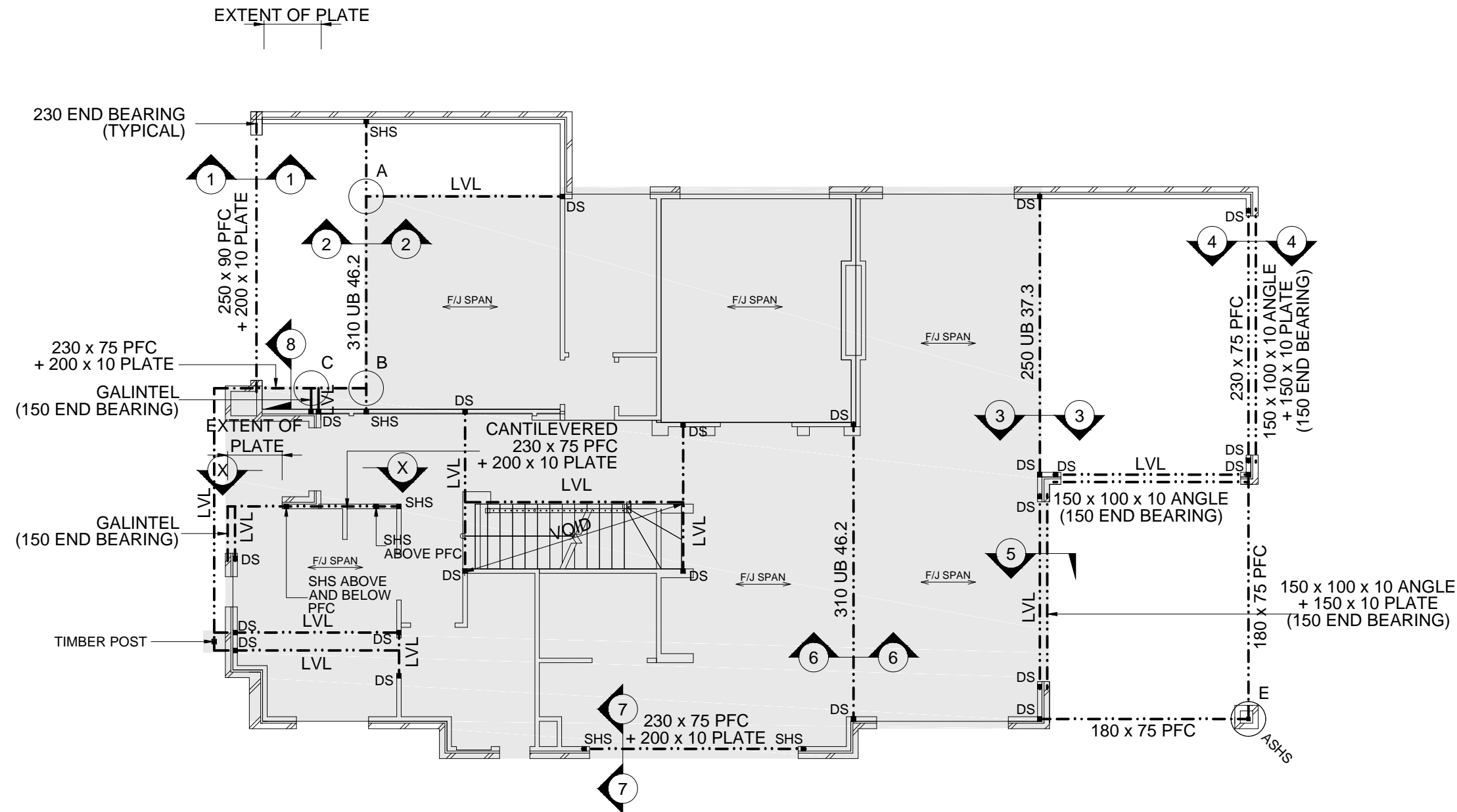
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REFERENCE	180504	SHEET SIZE	A3	SHEET No.	7
SCALE	1 : 20	JOB No.	85436WS		

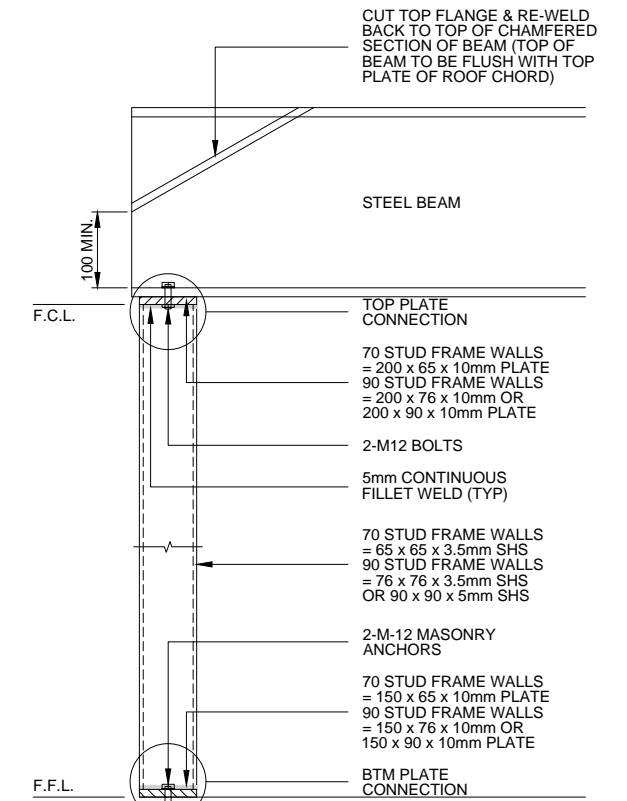
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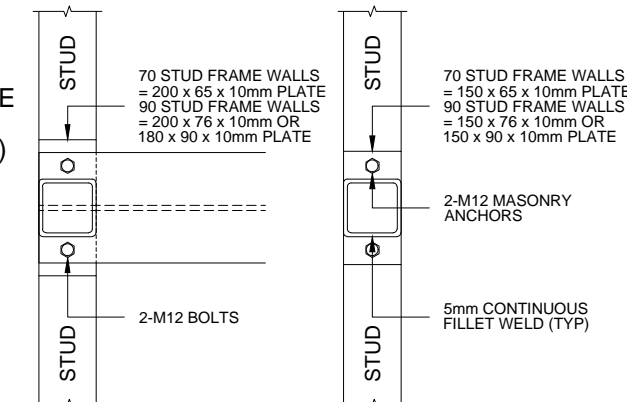
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STEEL DETAIL NOTES



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
 - 70 STUD FRAME WALLS
 DS: DENOTES 1/70 x 70 HARDWOOD STUDS
 TS: DENOTES 3/70 x 45 HARDWOOD STUDS
 - 90 STUD FRAME WALLS
 DS: DENOTES 1/90 x 90 HARDWOOD STUDS
 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	SHS
	BRICKWORK	150 END BEARING MIN.
ANGLE	STUDFRAME	SHS
	BRICKWORK	150 END BEARING MIN.
T-BEAM	STUDFRAME	SHS
	BRICKWORK	150 END BEARING MIN.
STEEL BEAM	STUDFRAME	AS NOTED
	BRICKWORK	230 END BEARING MIN.

STRUCTURAL STEEL PLAN (GROUND FLOOR)

CLIENT MRS. FELICITY CARLILE & MR. ROBERT CARLILE
 LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

[Signature]
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SHEET SIZE	A3	SHEET No.	8
REFERENCE	180504	SCALE	1 : 100
JOB No.	85436WS		

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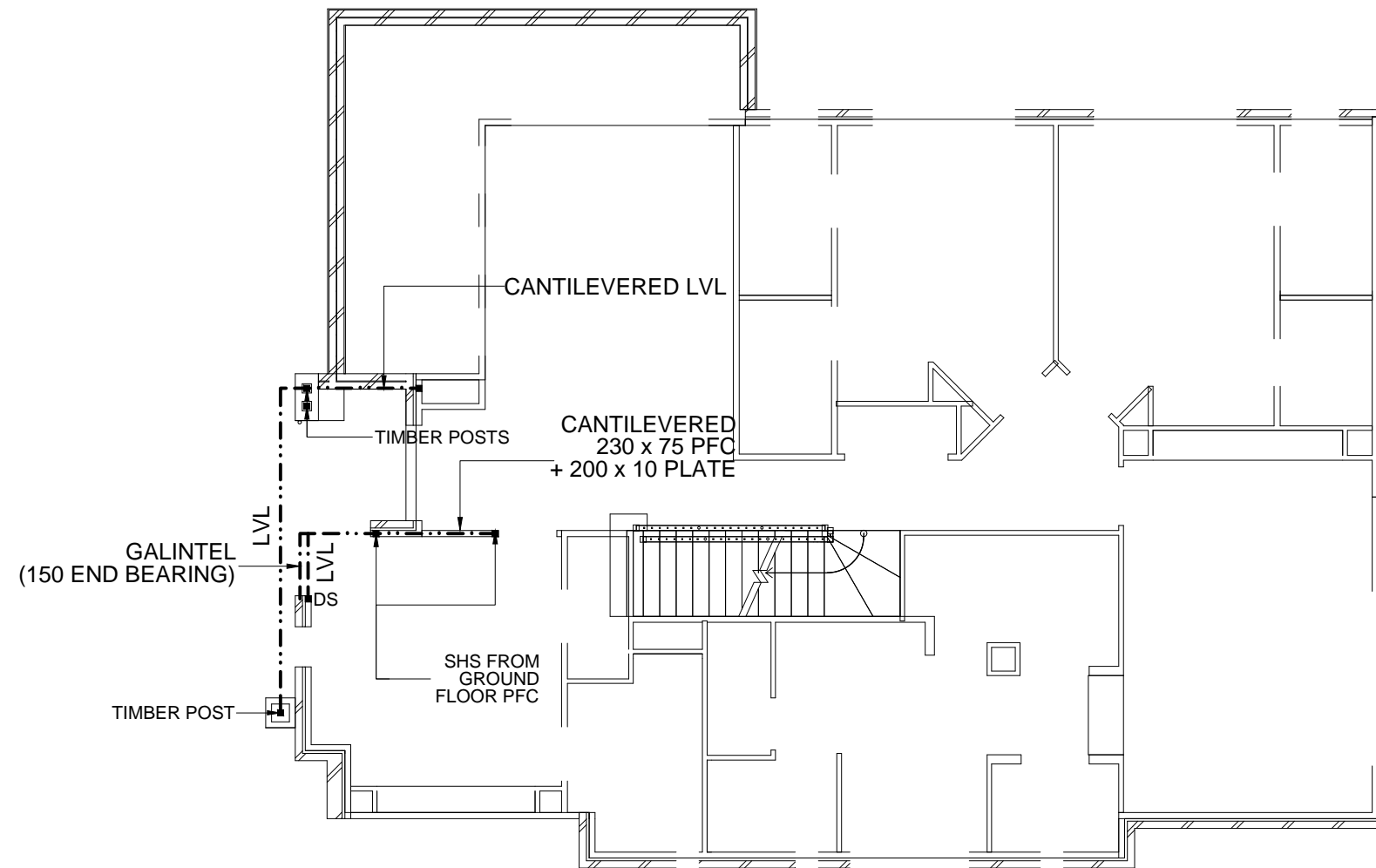
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STRUCTURAL STEEL PLAN (GROUND FLOOR)

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REFERENCE	180504	SHEET SIZE	A3	SHEET No.	9
SCALE	NTS	JOB No.	85436WS		

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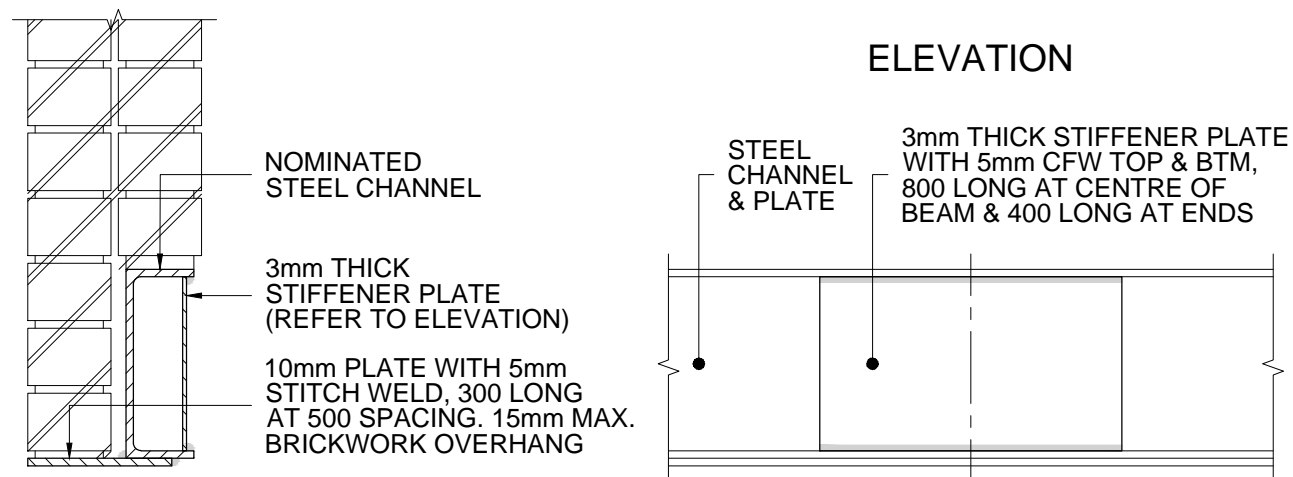
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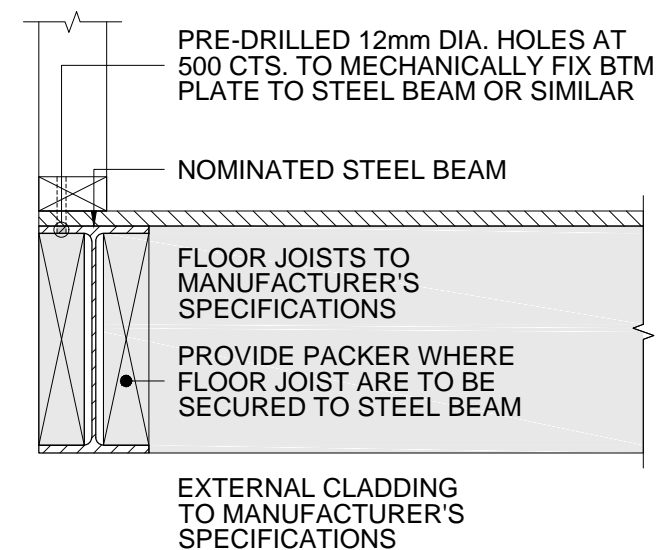
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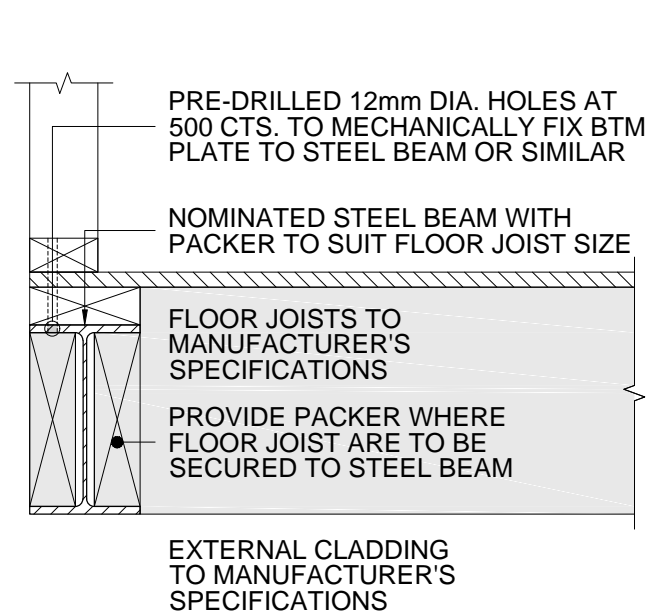
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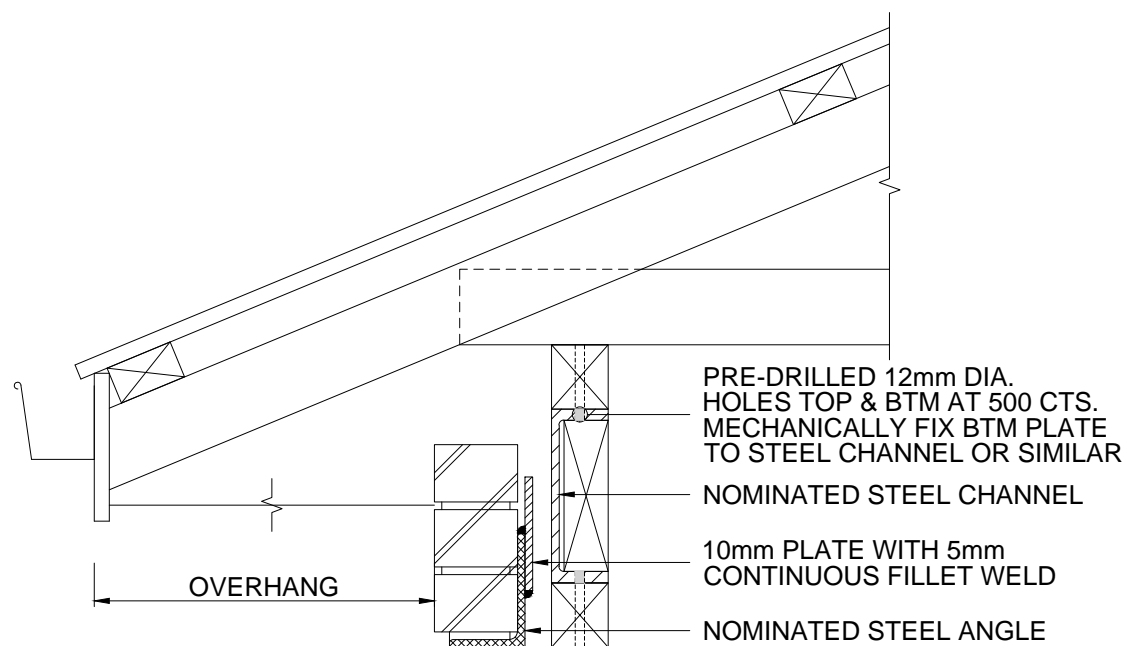
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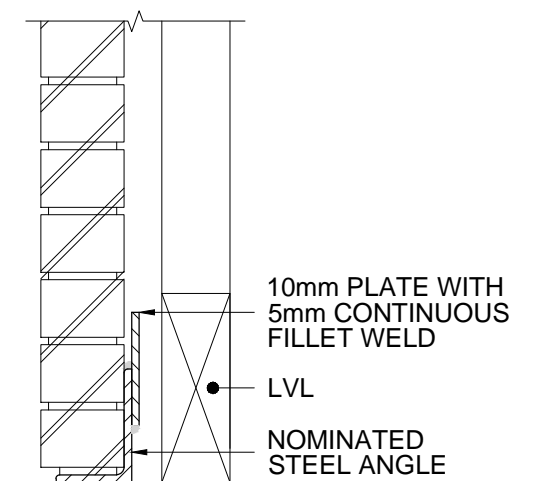
SECTION 2-2



SECTION 3-3



SECTION 4-4



SECTION 5-5



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STRUCTURAL STEEL DETAILS

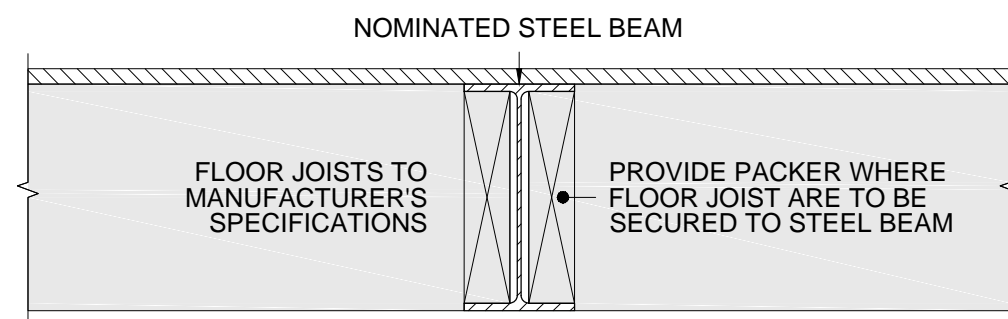
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LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

REFERENCE	180504	SHEET SIZE	A3	SHEET No.	10
SCALE	NTS	JOB No.	85436WS		

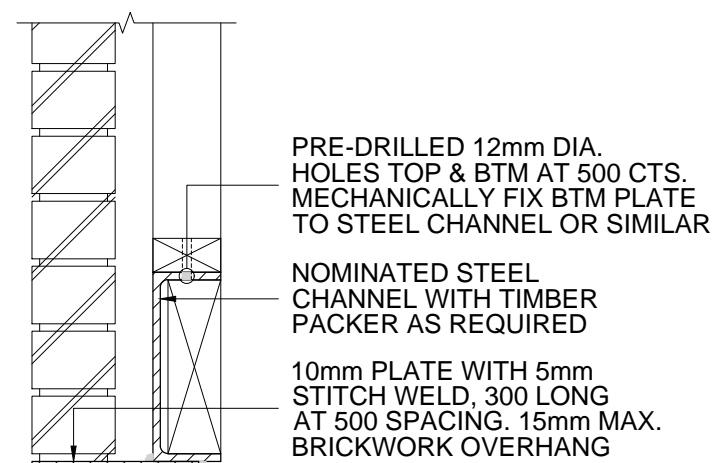
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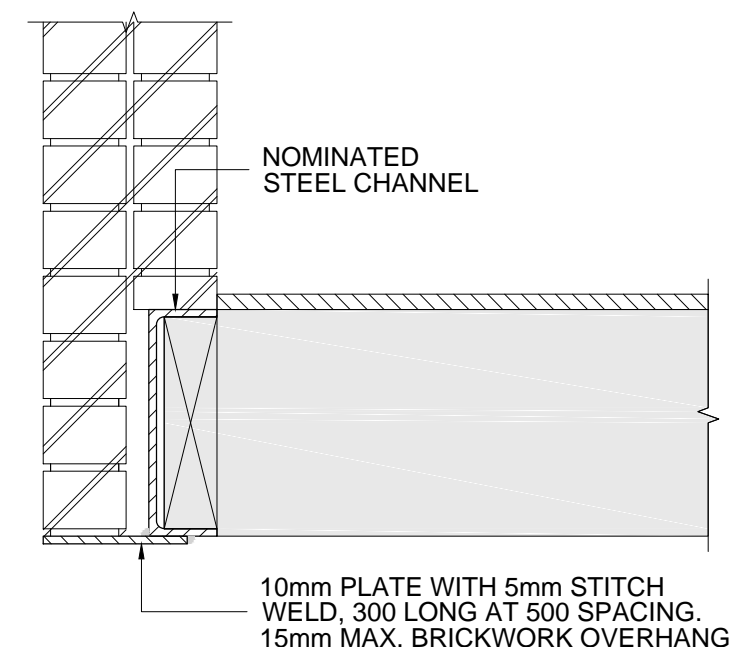
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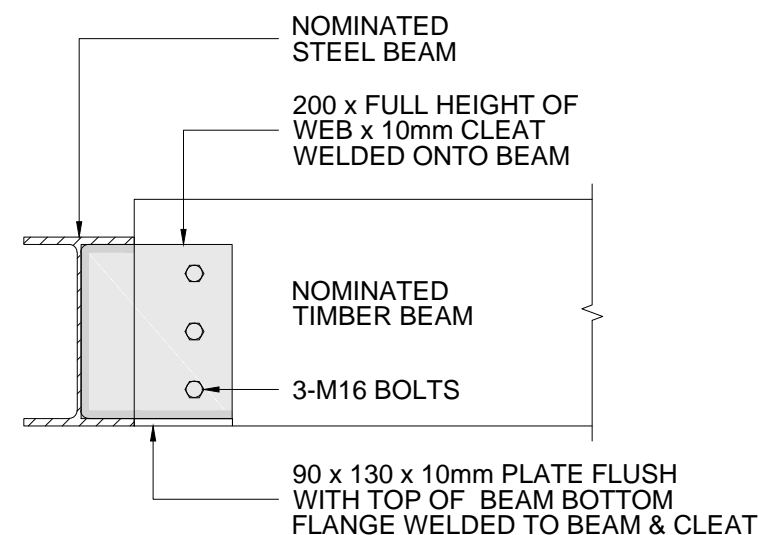
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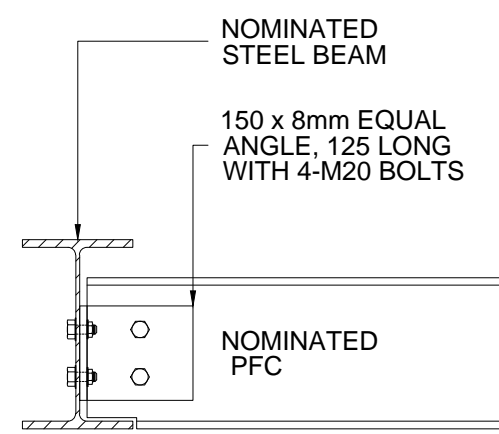
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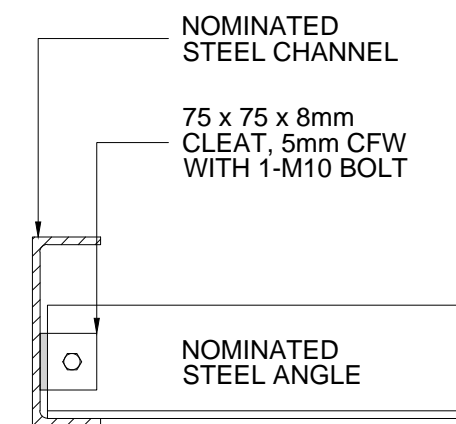
SECTION 8-8



DETAIL A



DETAIL B



DETAIL C

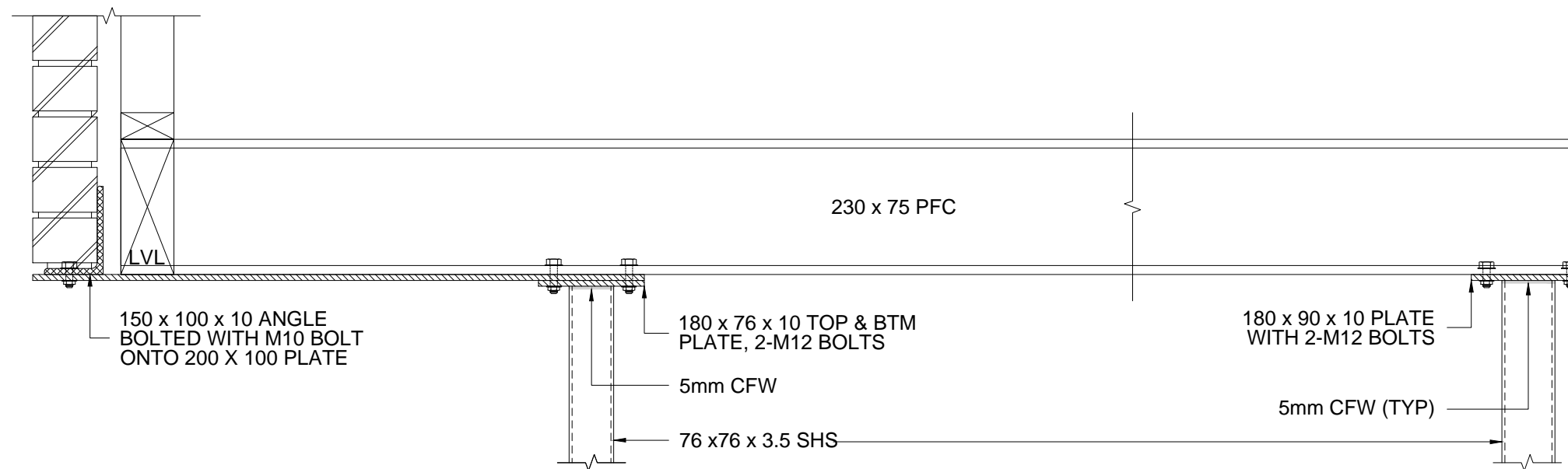
STRUCTURAL STEEL DETAILS

CLIENT MRS. FELICITY CARLILE & MR. ROBERT CARLILE
LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

REFERENCE	180504	SHEET SIZE	A3	SHEET No.	11
SCALE	NTS	JOB No.	85436WS		

REVISION SCHEDULE

A ORIGINAL ISSUE	J.J 01/10/19
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ELEVATION X

SCALE 1:10

STRUCTURAL STEEL DETAILS

CLIENT MRS. FELICITY CARLILE & MR. ROBERT CARLILE
LOCATION LOT 39 CAREEL HEAD ROAD, AVALON BEACH

[Signature]
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REFERENCE	180504	SHEET SIZE	A3	SHEET No.	12
SCALE	NTS	JOB No.	85436WS		

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