

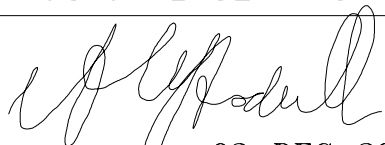
# PROPOSED RURAL SHED KENNELS & 2-CAR CARPORT FOR GREYHOUND TRAINING FACILITY

CLIENT: ASHLEY DWYER

LOT 10 of SECTION 22 in DEPOSITED PLAN 758100 at  
BETHUNGRA

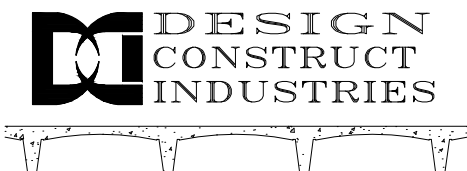
9 BOUNDARY St., BETHUNGRA, NSW 2590

## STRUCTURAL CERTIFICATION



DATE...03-DEC-2021

A.M.Stodulka M.Eng.Sc.(Syd Uni)  
M.I.E Aust C.P.Eng No. 3017



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## FOUNDATIONS, FOOTINGS AND SLABS

- ×SLAB ON GROUND TO BE 100mm THICK REINFORCED THROUGHOUT WITH F82 MESH TOP, UNLESS NOTED OTHERWISE ,30mm COVER CAST ON 0.2mm POLYTHENE MEMBRANE LAID OVER 50mm NOMINAL SAND LEVELING LAYER PLUS 50mm OF CRUSHED ROCK.
- ×SLAB ON FILL TO BE 100 mm THICK REINFORCED THROUGHOUT WITH 1 LAYERS F82 MESH 30mm COVER CAST ON 0.2mm POLYTHENE MEMBRANE LAID OVER 50mm NOMINAL SAND LEVELING LAYER OVER PIERS TO SOLID MIN 300mm INTO SOLID GROUND @1800 CTS
- ×MIN. 30MPa (N30) CONCRETE FOR SLAB
- ×MIN. 30 MPa (N30) CONCRETE FOR FOOTINGS
- ×THE FOUNDATION MUST PROVIDE AN ALLOWABLE BEARING PRESSURE OF 100KPa .
- ×TOP SOIL CONTAINING GRASS ROOTS MUST BE REMOVED FROM THE AREA ON WHICH THE FOOTING IS TO REST.
- ×ON SAND SITES OR SITES SUBJECT TO WIND OR WATER EROSION, THE MINIMUM DEPTH BELOW FINISHED GROUND LEVEL TO THE UNDERSIDE OF THE FOOTING SHALL BE 300mm.
- ×TRENCHES SHALL BE DEWATERED AND CLEANED PRIOR TO CONCRETE PLACEMENT SO THAT NO SIGNIFICANT OR LOOSENED MATERIAL REMAINS.
- ×VAPOUR BARRIERS OR DAMP-PROOFING MEMBRANE SHEETS MUST BE PLACED BENEATH THE SLAB SO THAT THE BOTTOM SURFACE OF THE SLAB AND BEAMS, INCLUDING INTERNAL BEAMS, IS ENTIRELY UNDERLAID. LAPPING AT JOINTS SHALL BE NOT LESS THAN 200mm FOR CONTINUITY.

## REINFORCEMENT

- ×REINFORCEMENT MUST BE FIXED IN POSITION PRIOR TO CONCRETING BY SPACERS, BAR CHAIRS WITH BASE, LIGATURES OR OTHER APPROPRIATE FIXINGS SO AS TO ACHIEVE THE REQUIRED REINFORCEMENT POSITION AND CONCRETE COVERS. REINFORCEMENT SHALL NOT BE PLACED OR LOCATED AFTER CONCRETING.

F62 = 6mm MESH OR BARS @ 200 CENTERS EACH WAY  
F72 = 7mm MESH OR BARS @ 200 CENTERS EACH WAY  
F82 = 8mm MESH OR BARS @ 200 CENTERS EACH WAY  
Y12 BARS = 12mm DEFORMED BARS/REINFORCEMENT  
F718 = 7mm BARS @ 100 CENTERS + 8mm BARS @ 200 CENTERS

- ×AT RE-ENTRANT CORNERS, TWO STRIPS OF 3-L8TM, OR ONE STRIP OF 3-L11TM OR 3-N12 BARS SHALL BE PLACED DIAGONALLY ACROSS A POTENTIAL CRACK.ALL SUCH REINFORCEMENT SHALL HAVE A MINIMUM LENGTH OF 2m .

- ×TRENCH MESH SHALL HAVE ALL CROSS WIRES CUT FLUSH WITH THE OUTER MAIN WIRES. TRENCH MESH IN BEAMS SHALL BE OVERLAPPED BY THE WIDTH OF THE FABRIC AT T- AND L- INTERSECTIONS.TRENCH MESH SHALL BE SPLICED, WHERE NECESSARY, BY A LAP OF 500mm.

## STEEL WORKS

- ×ALL STEEL WORK TO BE IN ACCORDANCE WITH AS4100.
- ×ALL WELDINGS TO BE 6mm FILLET CONTINUOUS UNLESS NOTED OTHERWISE.
- × STEEL GRADE MUST BE MIN. 300 UNLESS NOTED OTHERWISE.
- ×IT IS THE BUILDERS RESPONSIBILITY TO PROVIDE ALL CLEATS AND HOLES AS REQUIRED FOR ALL CONNECTIONS, WHETHER OR NOT THEY ARE DETAILED ON THESE DRAWINGS.
- ×ALL CONNECTION DETAILS ARE TO BE IN ACCORDANCE WITH AISC STANDARD STRUCTURAL CONNECTIONS UNLESS NOTED OTHERWISE.

## TIMBER FRAMING NOTES

- ×ALL FRAMEWORKS TO BE IN ACCORDANCE WITH AS1684.

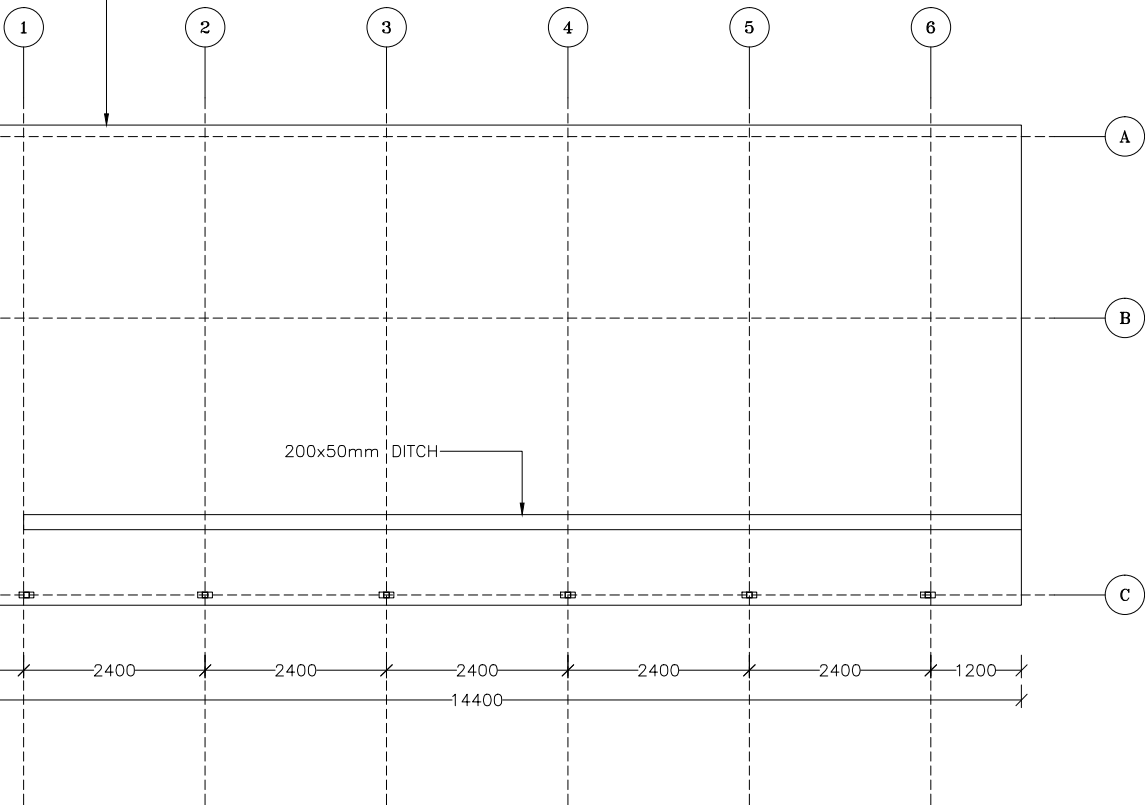
STRUCTURAL CERTIFICATION

*A.M. Stodulka*

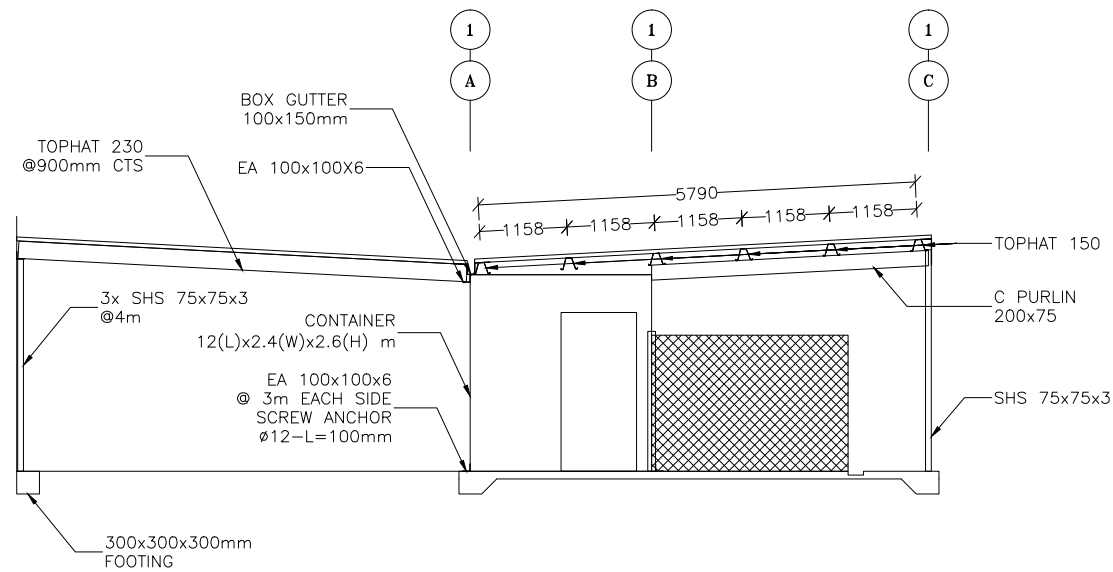
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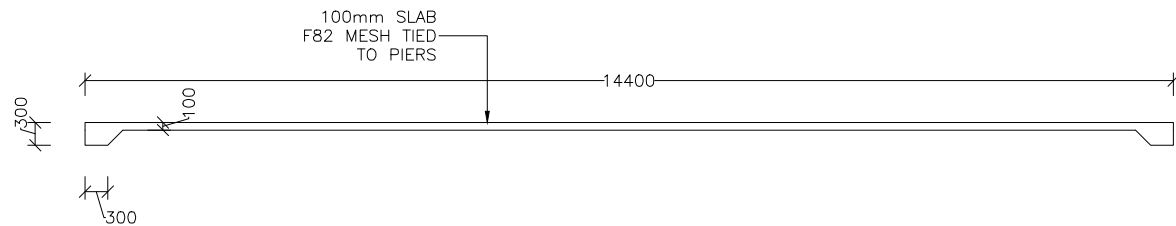
THICKENED EDGE  
100mm SLAB  
F82 MESH TIED  
TO PIERS



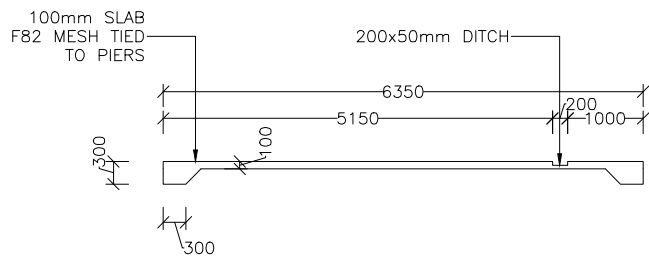
PLAN  
SC: 1/100 1 SLAB



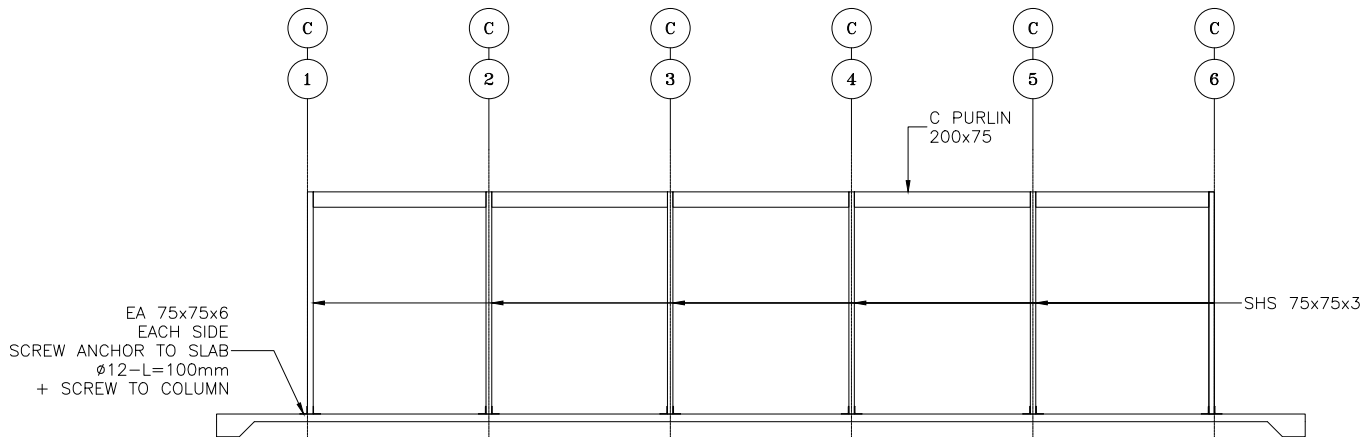
VIEW  
SC: 1/100 4



SECTION  
SC: 1/100 2 SLAB



SECTION  
SC: 1/100 3 SLAB



VIEW  
SC: 1/100 5

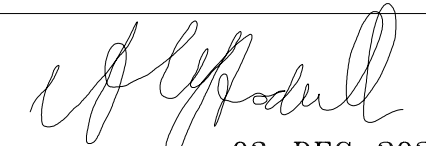


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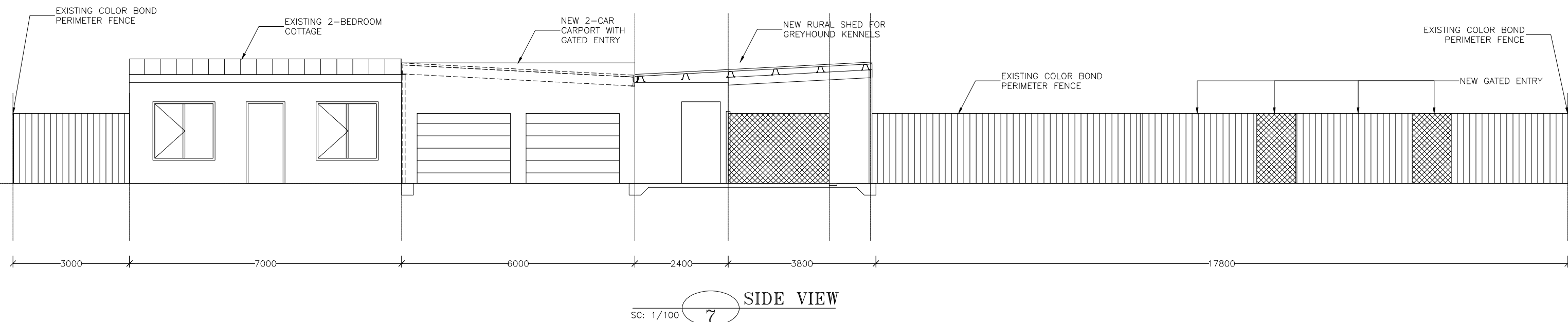
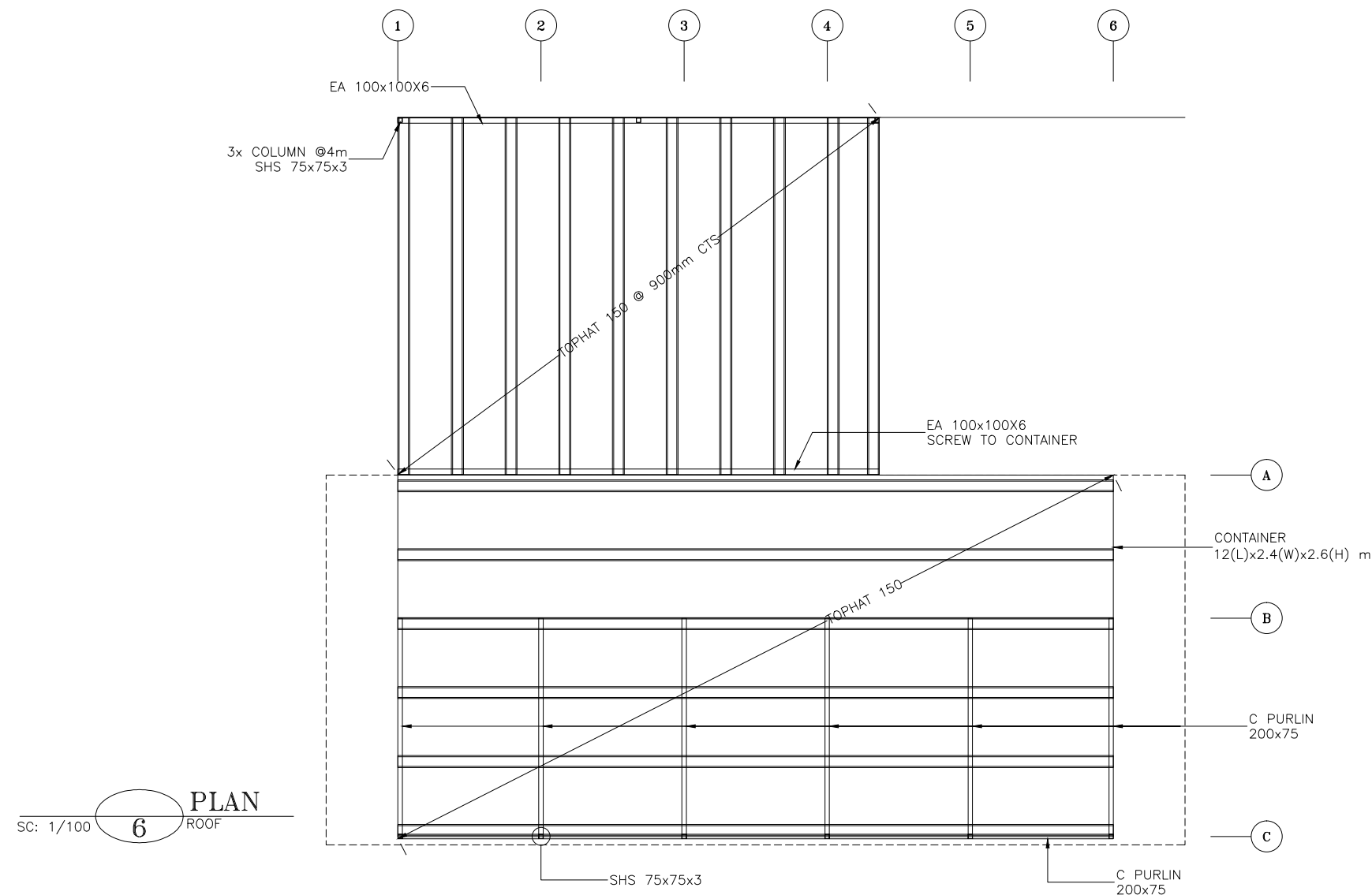
ASHLEY DWYER  
LOT 10 of SECTION 22 in DEPOSITED PLAN,  
758100 at BETHUNGRA,  
9 BOUNDARY St.,  
BETHUNGRA  
NSW 2590

CLIENT	PROJECT	SCALE	DATE
PLAN - WAFFLE	LOT 10 of SECTION 22 in DEPOSITED PLAN, 758100 at BETHUNGRA, 9 BOUNDARY St., BETHUNGRA NSW 2590	1:100-A3	03/DEC/2021
DRAWN/DESIGNED	CHECKED	JOB	DRAWING NO.
M.B.	A.S.	1/3	

## STRUCTURAL CERTIFICATION



DATE...03-DEC-2021

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CONSTRUCT  
INDUSTRIESDCI Pty Ltd  
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CLIENT

PROJECT

PLAN - SLAB

1:100-A3

M.B.

SCALE

DRAWN/DESIGNED

03/DEC/2021

A.S.

JOB

DRAWING

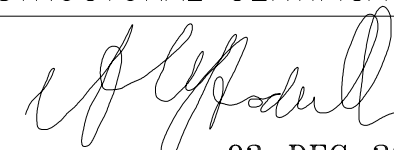
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CHECKED

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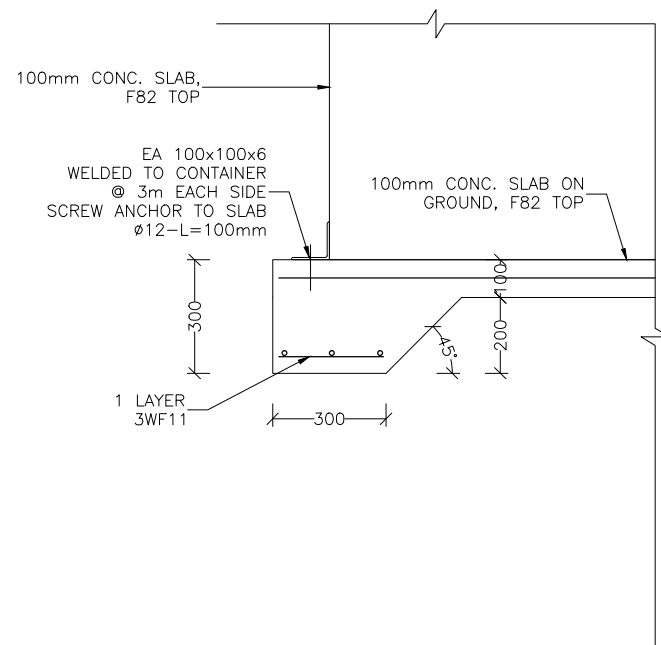
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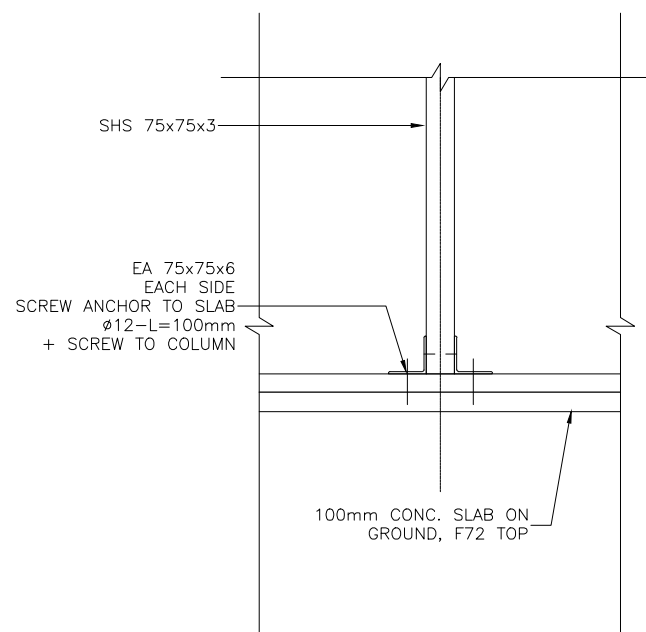
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SC: 1/20

A

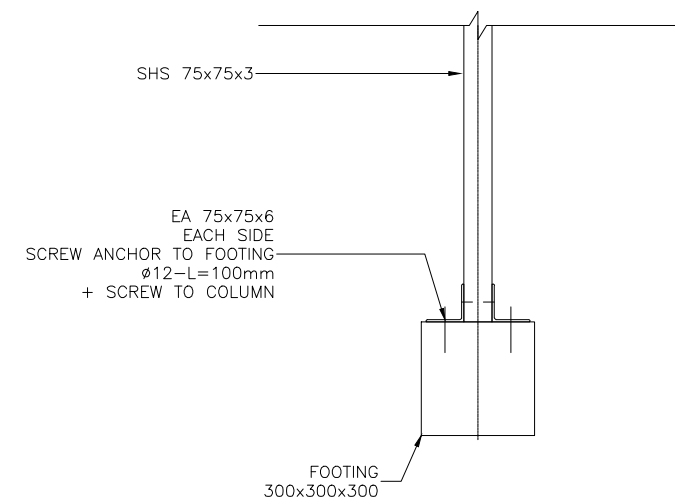
DETAIL



SC: 1/20

B

DETAIL



SC: 1/20

C

DETAIL  
FRONT VIEW

**DCI** DESIGN  
CONSTRUCT  
INDUSTRIES

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PROJECT

DETAILS &amp; ALTERNATIVES

1:20-A3

M.B.

SCALE

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A.S.

03/DEC/2021

CHECKED

DRAWING NO.

DRAWING

DATE

3/3

DRAWING NO.