

ROOF FRAMING LAYOUT

PITCH: 10, 2 & 1 DEGREES APPROX. SHEET ROOF

RAFTERS AS SHOWN

- R1 = 200 x 45 SMARTLVL 13 @ 1130crs- REDUCE TO MINIMUM 90mm DEEP FOR OVERHANG
- R2= 200 x 45 SMARTLVL 13 @ 600crs - SET LEVEL- REDUCE TO MINIMUM 140mm DEEP FOR OVERHANG
- R3= 140 x 45 MGP10 @ 1200crs - SET LEVEL- REDUCE TO MINIMUM 140mm DEEP FOR OVERHANG
- R4= 140 x 45 MGP10 (H3 TREATED)@1200crs - SET LEVEL- REDUCE TO MINIMUM 140mm DEEP FOR OVERHANG

ROOF PURLINS 90 x 45 MGP10 PINUS (ON EDGE) @ 900crs SPACING OVER R1 RAFTERS

PROVIDE 70 x 35 MGP10 CEILING BATTENS @ 600crs TO UNDERSIDE

OF R1,R2 & R3 RAFTERS OR ALTERNATIVELY RONDO CHANNEL SYSTEM BY OTHERS

IB1 = INTERMEDIATE BEAM 360 x 63 SMART LVL 13 (CONCEALED IN PLASTERBOARD)

PB1 = PITCHING BEAM 400 x 63 SMART LVL 13 (CONCEALED IN BULKHEAD)

PB2,PB3 = PITCHING BEAM 230 x 42 F7 H3 SMARTPRIME (EXPOSED)

WP1 = WALL PLATE 140 x 45 MGP10 H3 FIXED TO TIMBER WALL WITH
1/120mm No. 14 TYPE 17 SCREW TO EVERY STUD

○ = SUPPORT POINT FOR BEAMS OR RAFTERS OVER WALL OR BEAM

SPEED BRACE TO TOP OF RAFTERS & PURLINS AS SHOWN

GRADUATED PURLINS OVER R2,R3 & R4 RAFTERS AS SHOWN

- P1 = 90 x 45 MGP10 PURLIN ON FLAT
- P2= 90 x 45 MGP10 PURLIN ON FLAT + 90 x 35 MGP10 ON FLAT
- P3 = 120 x 45 MGP10 PURLIN ON EDGE
- P4= 90 x 45 MGP10 PURLIN ON EDGE FIXED TO SIDE OF UPPER WALL
WITH 1/120mm No. 14 TYPE 17 SCREW TO EVERY STUD
- P5 = 120 x 45 MGP10 H3 TREATED PURLIN ON EDGE
- P6 = 140 x 45 MGP10 H3 TREATED PURLIN ON EDGE
- P7 = 190 x 45 MGP10 H3 TREATED PURLIN ON EDGE

NOTE: REDUCE OR ADJUST POSITION OF GRADUATED PURLINS ON SITE AS REQUIRED

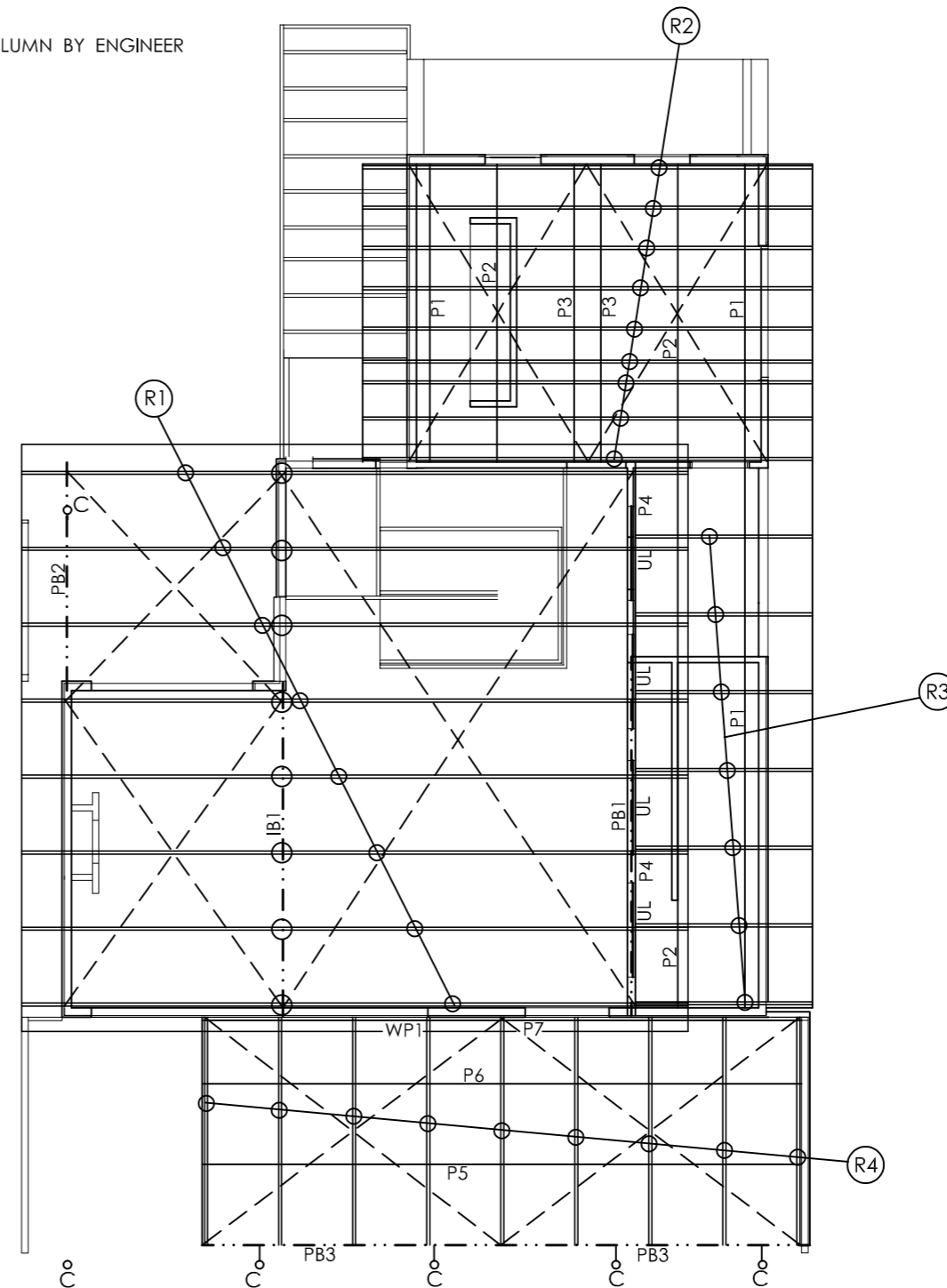
UL = UPPER LINTEL OVER HIGH LEVEL WINDOW 130 x 45 SMART LVL 13

UNLESS NOTED OTHERWISE THE ROOF FRAME
HAS NOT BEEN DESIGNED FOR ADDITIONAL ROOF LOADS FROM
SOLAR PANELS, SOLAR H.W.S. or A/C UNITS

NOTE : ALL CONCEALED TIMBER RECOMMENDED TO BE H2 TREATED

NOTE : ALL EXPOSED SOFTWOOD TIMBER TO BE H3 TREATED

C = STEEL COLUMN BY ENGINEER



STEEL GRADE & CORROSION PROTECTION

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ALL METAL USED IN STRUCTURAL TIMBER CONNECTIONS SHALL BE PROVIDED WITH CORROSION PROTECTION APPROPRIATE FOR THE PARTICULAR CONDITIONS OF USE.

THE MINIMUM STEEL GRADE FOR METAL STRAP, FRAMING ANCHORS AND SIMILAR CONNECTIONS SHALL BE G 300.

THE MINIMUM CORROSION PROTECTION FOR METAL STRAP, FRAMING ANCHORS AND SIMILAR STRUCTURAL CONNECTIONS IN EXPOSED & SHELTERED CONDITIONS SHALL BE STAINLESS STEEL 304-2B.

CERTIFICATION OF ALL FRAMING LAYOUTS MUST BE OBTAINED PRIOR TO CONSTRUCTION

TIMBERWISE DESIGN

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PROPOSED RESIDENCE FOR:

WATERMAN

AT: 8 DUNSTAN ST,
ALDINGA BEACH

ROOF FRAMING LAYOUT

JOB No.: 10793

SHEET No: TW4

DATE: MARCH 2022

SCALE : 1: 100

ISSUE : B