

WALL FRAMING LAYOUT (MGP10) (JD5)

WALL HEIGHT: 2450, 3330, 3960 APPROX.
 EXTERNAL TOP & BOTTOM PLATES 120 x 45 (TRENCHED)
 INTERNAL TOP & BOTTOM PLATES 90 x 45 (TRENCHED)
 EXTERNAL STUDS 120 x 45 MGP10 @ 600 crs UNLESS NOTED
 INTERNAL STUDS 90 x 35 MGP10 @ 600 crs UNLESS NOTED
 INTERNAL WET AREA STUDS 90 x 35 MGP10 @ 450 crs
 INTERNAL NOGGINGS 90 x 35 @ 1350 max crs
 EXTERNAL NOGGINGS 120 x 35 @ 1350 max crs
 LINTELS (MGP10 & SMARTLVL 15) SIZES AS SHOWN
 STUDS TO OPENINGS/POINT LOADS (MGP10) - UNLESS NOTED

△ 2/ 90 x 35 ○ 2/ 90 x 45
 □ 2/120 x 35 * 2/120 x 45 ∅ 120 x 35

BRACING LEGEND: AS 1684.2-2010

T = TENSION STRAP

1.8m = 5.4kN 2.0m = 6kN 2.1m = 6.3kN 2.4m = 7.2kN 2.7m = 8.1kN

O1 = 6.0mm OS'BRACE TYPE # 1 SYSTEM
 1.2m = 4.0kN 1.0m = 3.3kN 0.9m = 3.0kN 0.6m = 1.5kN
 0.7m = 2.0kN 0.8m = 2.5kN

O3 = 6.0mm OS'BRACE TYPE # 3 SYSTEM
 1.2m = 7.2kN 1.1m = 6.6kN 1.0m = 6kN 0.9m = 5.4kN

O4 = 6.0mm OS'BRACE TYPE # 4 SYSTEM
 (SHORT WALL BRACING)
 0.45m = 0.99kN 0.56m = 1.23kN 0.75m = 1.65kN

PN = PRYDA NARROW WALL BRACING UNIT
 (SW1)
 1.2m = 3.6kN

PROVIDE ADDITIONAL BRACE AS REQUIRED

STUDS TO BE POSITIONED DIRECTLY UNDER RAFTERS

WINDOWSILL/DOOR HEAD TRIMMERS (MGP10)

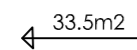
(N2) UP TO 2400 - 120 x 35
 UP TO 3000 - 2/120 x 35
 UP TO 3600 - 3/120 x 35
 UP TO 4200 - 3/120 x 45

WIND SPEED N2

WIND DIRECTION ONE
 REQUIRED kN = 20.6
 ACHIEVED kN = 33



WIND DIRECTION TWO
 REQUIRED kN = 30.9
 ACHIEVED kN = 43.2



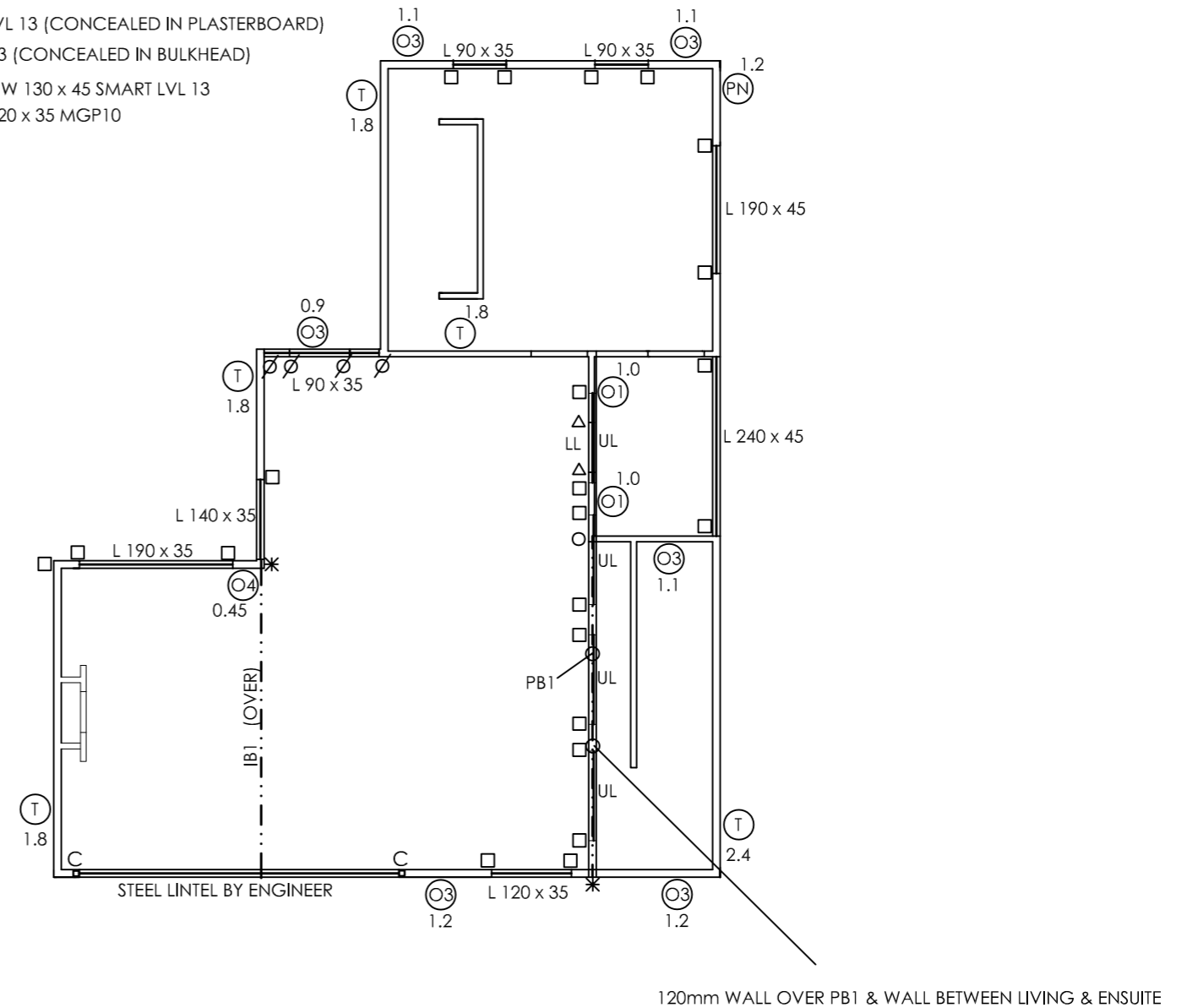
NOTE: ALL BRACING UNITS HAVE BEEN
 MULTIPLIED AS PER TABLE 8.19
 FOR RELEVANT WALL HEIGHT

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

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

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

LL = LOWER LINTEL OVER DOOR OPENING 120 x 35 MGP10



C = STEEL COLUMN BY ENGINEER

NOTE : ALL CONCEALED TIMBER RECOMMENDED TO BE H2 TREATED

STEEL GRADE & CORROSION PROTECTION

AS1684.2 1.15 - 2010

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.

AMENDED 30/03/2022: ISSUE B: WIND SPEED AMENDED TO N2

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

WALL FRAMING LAYOUT

JOB No.: 10793

SHEET No: TW3

DATE: MARCH 2022

SCALE : 1: 100

ISSUE : B