

NOTES:

All timber shall be as specified on the drawings

Laminated veneer lumber by shall be manufactured by CHH WOODPRODUCTS & conform with the requirements of AS/NZS 4357

Structural timber shall be dry, of the specified stress grade manufactured and graded in accordance with the relevant New Zealand standard.

All plywood shall be Ecoply conforming to the requirements of AS/NZS 2269 and shall be of the structural grade specified on the drawings

Timber used for noggings. blocking, packing etc. shall be dry softwood of minimum stress grade SG8

DPC to be used between all timber and concrete or masonry

Unless specified otherwise, all fasteners shall be installed in strict accordance with both the fastener manufacturers requirements and the requirements of the Timber Structures Standard NZS 3603:1993

Masonry fixings, steel brackets etc. shall be installed in accordance with the fastener manufacturer's specifications

Roof and wall claddings are specified by others, however this design assumes that claddings are to be installed in accordance with the manufacturers requirements and that the support provided by this design meets those requirements. This should be verified by others

Screws driven on site shall be 14g type 17 hex head unless noted otherwise

All fabricated brackets shall be galvanised

All factory assembled connections and fabricated components shall be resorcinol glued jointed with pressure applied using glue nailing.

Bolt grade 4.6 or grade 8.8 as specified are to be installed snug tight with washers as per the requirements of NZS 3603.

BRACING:

Any MS strap specified may be substituted by alternative strap with the same or greater cross sectional area.

WEATHER EXPOSED TIMBER AND PLYWOOD

Any timber directly exposed to sunlight or wind driven rain must be treated to H3.1 level and painted with 2 coats of acrylic paint.

CONSTRUCTION:

The builder shall refer their proposed methods of construction to Carter Holt Harvey for approval. Carter Holt Harvey will assist by providing guidance on lifting points, estimated weights etc. and will advise on any proposed lifting method in respect of the integrity of the structure.

The builder shall refer to Carter Holt Harvey for any clarification of details as required.
The builder shall NOT modify or make any assumption concerning details without the prior approval of Carter Holt Harvey.

NAILING:

Unless noted otherwise, for nails driven into laminated veneer lumber, the spacings end and edge distances shall not be less than those specified.

All nails shall be electroplated or galvanised unless noted otherwise.

All nails are to be flat head nails. clout head nails shall NOT be used.

Nails of different diameter to those specified may be substituted provided the number of nails is proportioned in relation to the number and diameter of the specified nail.

Nails shall not be overdriven.

COMPONENTS NOT DESIGNED BY CHH:

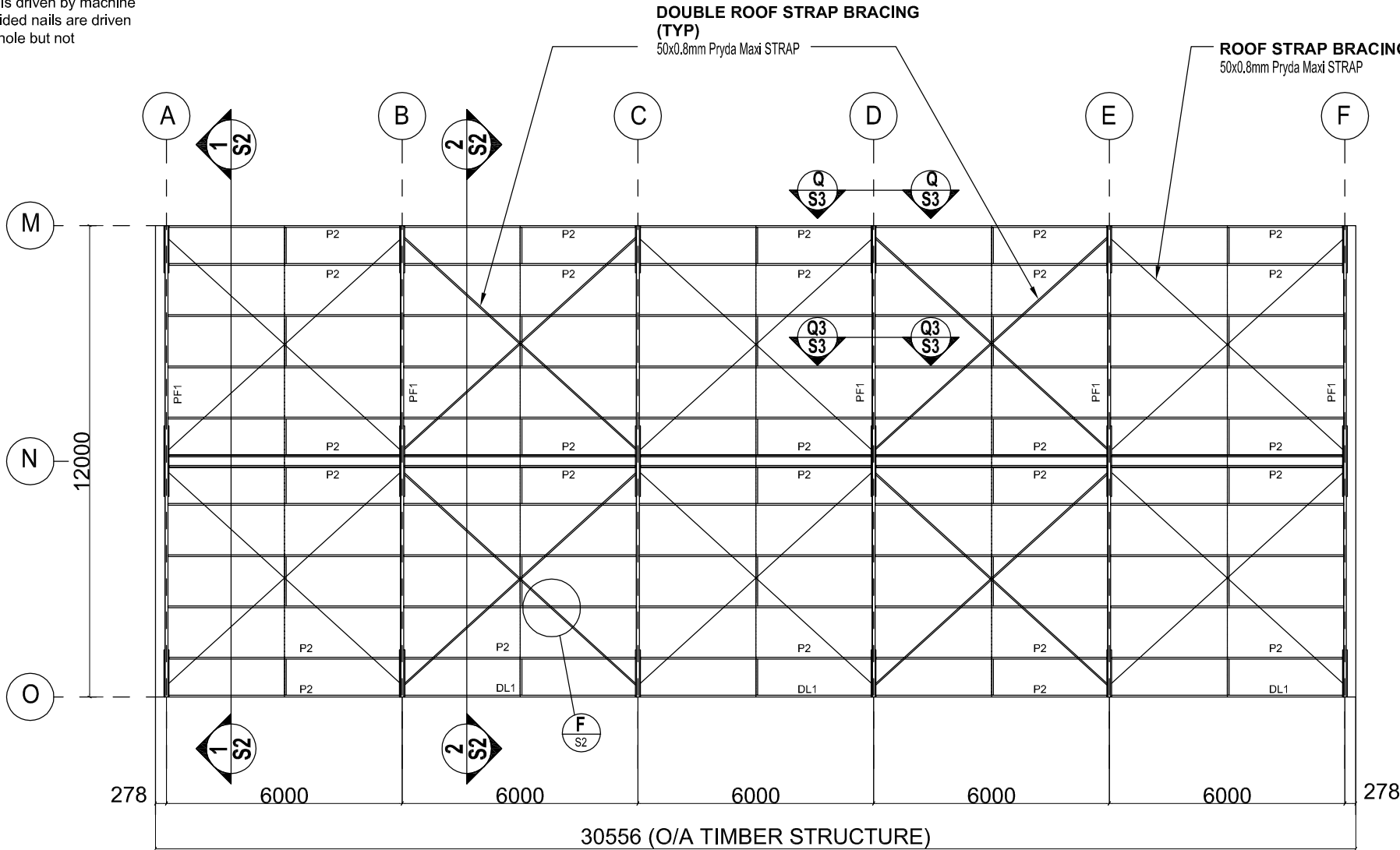
This design assumes that footings have been designed and installed by others to meet the uplift and other forces as specified by Carter Holt Harvey. For proprietary anchors specified on these drawings, a minimum compressive strength of f'c = 25 MPa has been assumed.

FRAMING BRACKETS:

Unless noted otherwise, framing brackets should be installed using either proprietary nails or type 17 hex head screws as detailed. Alternatively hardened nails driven by machine nailers may be used provided nails are driven in the vicinity of each nail hole but not closer than 3mm.

MEMBER SCHEDULE

PF1	PORTAL FRAME	REFER TO SHEET S2
P1 & P2	PURLINS	240x45 hyFRAME
C1	COLUMN	600x75 hyFRAME
R1	RAFTER	600x75 hyFRAME
EB1	EAVES BEAM	240x90 hy90
G1 - G19	GIRT	240x45 hyFRAME
LR1	LATERAL RESTRAINT	90x45 hyFRAME
RG1	RAKING GIRT	240x45 hyFRAME
T1	TRIMMER	240x45 hyFRAME
PB1,2,3	PURLIN BLOCKING	240x45 hyFRAME
DL1	DOOR LINTEL	360x63 hyFRAME
WL1	WINDOW LINTEL	240x45 hyFRAME
DT1, DT2	DOOR TRIMMER	240x45 hyFRAME
M1	MULLION	240x63 hyFRAME
M2,3,4,5	MULLION	300x90 hyFRAME
M6	MULLION	240x45 hyFRAME
GB1 - 8	GIRT BLOCKING	90x45 hyFRAME



ROOF PLAN
SCALE 1:100 (A3)
PURLIN P1 (UNO)

ROOF FRAMING PLAN

PROJECT: PROPOSED 12.0m x 4.8m x 30.0 hyFRAME BUILDING
FOR: THREE BLOKES LTD
AT: 362 MATAKANA VALLEY ROAD, MATAKANA

DESIGNED: JVD

DRAWN: JRB

SHEET: S1 OF 6

STRUCTURAL DRAWING

DATE: 15/15/2017

SCALE: AS NOTED

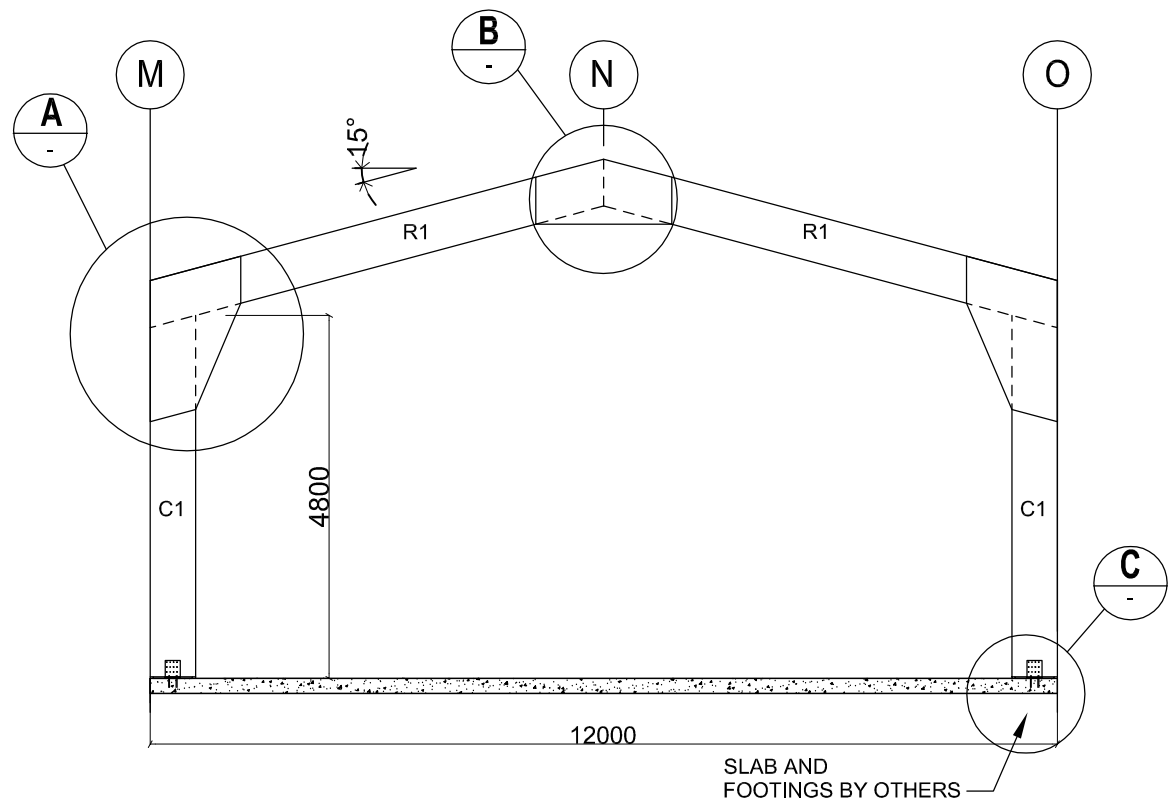
JOB NO: HF0014

REVISION No. : CONSENT

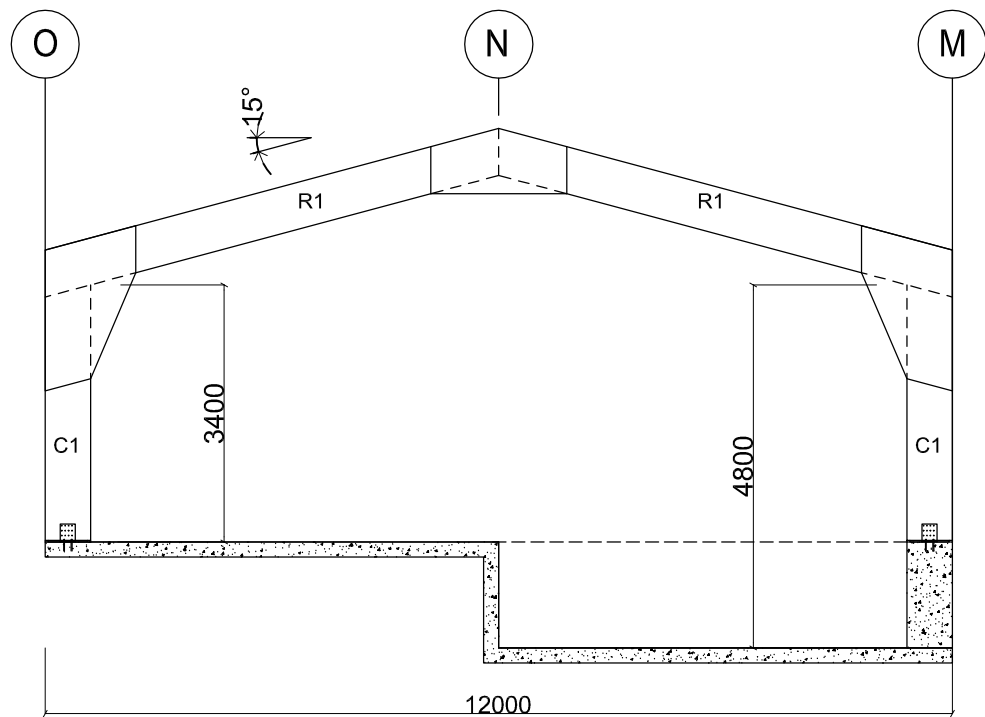
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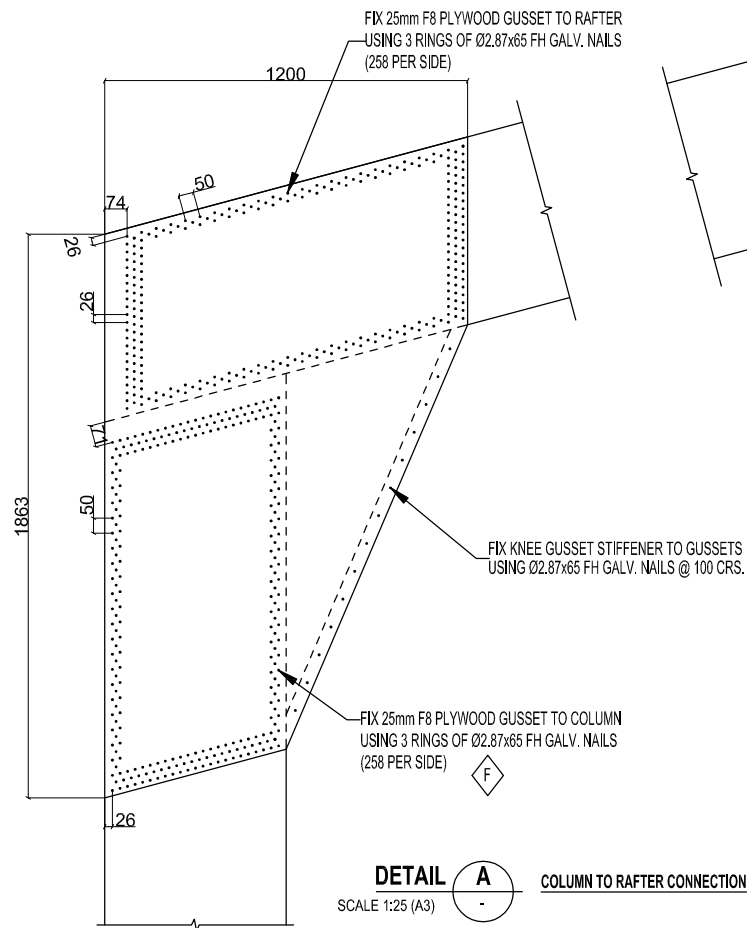
APPROVED
BUILDING CONSENT PLANS



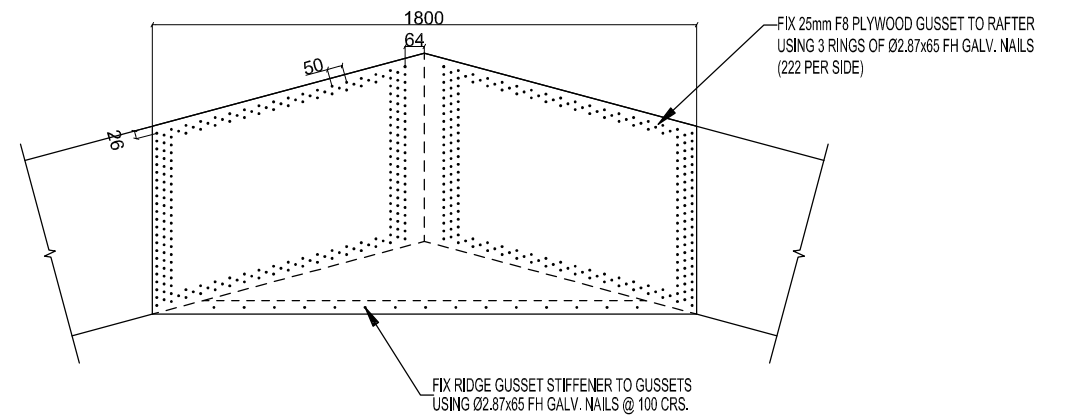
SECTION 2
SCALE 1:100 (A3)
TYPICAL PORTAL FRAME PF2
PURLINS & GIRTS NOT SHOWN FOR CLARITY.
REFER SHEET S3
SCALE 1:100 (A3)



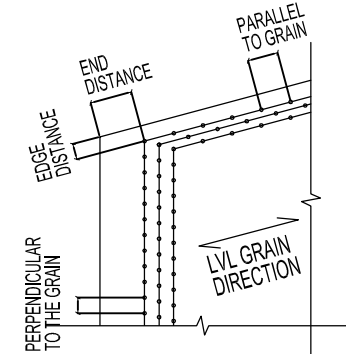
SECTION 1
SCALE 1:100 (A3)
TYPICAL PORTAL FRAME PF1
PURLINS & GIRTS NOT SHOWN FOR CLARITY.
REFER SHEET S3.
SCALE 1:100 (A3)



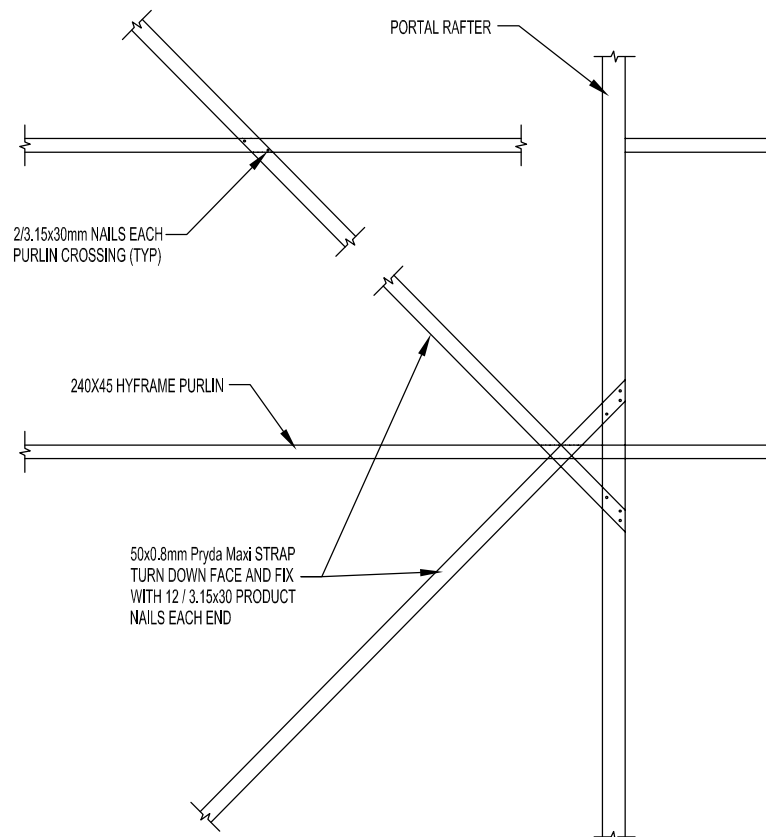
DETAIL A
SCALE 1:25 (A3)
COLUMN TO RAFTER CONNECTION



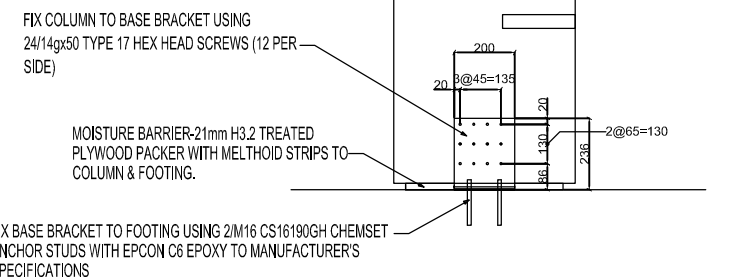
DETAIL B
SCALE 1:25 (A3)
RAFTER TO RAFTER CONNECTION



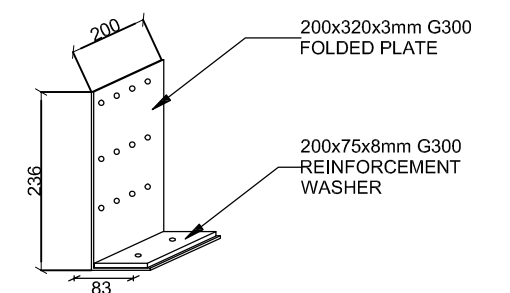
TYPICAL NAILING PATTERN FOR GUSSET PLATES
PATTERN WILL BE MARKED ON THE GUSSET PLATES AS PART OF PRE-FABRICATION. NAILS ARE TO BE DRIVEN AT EACH MARK



DETAIL F
SCALE 1:25 (A3)
ROOF STRAP FIXING DETAIL
WALL STRAP SIMILAR

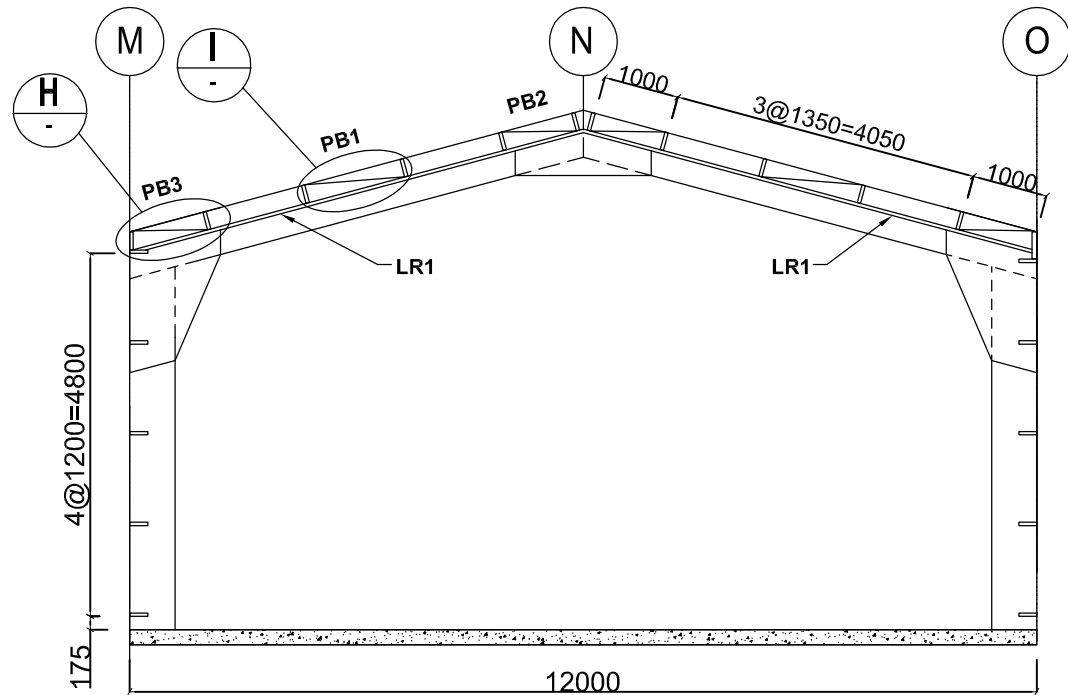


DETAIL C
SCALE 1:25 (A3)
COLUMN TO FOOTING CONNECTION



DETAIL C2
SCALE 1:10 (A3)
COLUMN TO FOOTING CONNECTION



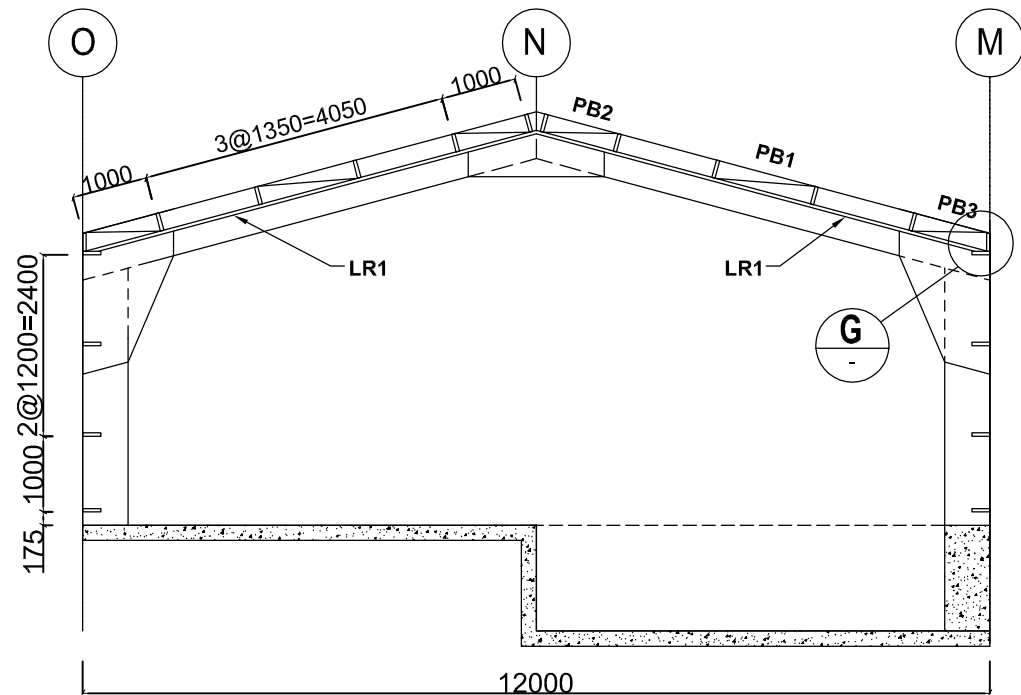


SECTION 2

S1

PURLIN & GIRT LAYOUT

SCALE 1:100 (A3)

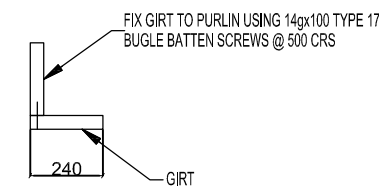


SECTION 1

S1

PURLIN & GIRT LAYOUT

SCALE 1:100 (A3)

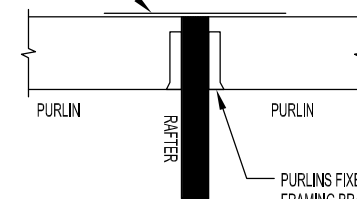


DETAIL G

PURLIN TO GIRT DETAIL

SCALE 1:25 (A3)

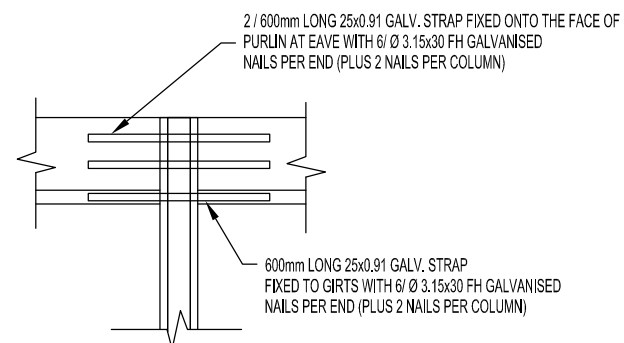
600mm LONG 25x0.91 GALV. STRAP
FIXED TO PURLINS WITH 6/ Ø 3.15x30 FH GALVANISED
NAILS PER END (PLUS 2 NAILS PER RAFTER)
- 900mm LONG MAXI STRAP REQUIRED FOR GRIDS A & B
USING 10/ Ø3.15x30 FH GALV. NAILS PER END



DETAIL Q3

PURLIN TO RAFTER DETAIL

SCALE 1:25 (A3)



DETAIL Q

PURLIN CONNECTION DETAIL AT EAVE

SCALE 1:25 (A3)

FIX PURLIN TO BLOCKING USING 2/14gx100
TYPE 17 BUGLE BATTEN SCREWS

GIRT

FIX LATERAL RESTRAINT TO BLOCKING USING
3/14gx75 HEX HEAD TYPE 17 SCREWS

DETAIL H

PURLIN BLOCKING PIECE PB3

SCALE 1:25 (A3)

1/14gx100 HEX HEAD
TYPE 17 SCREWS (TYP)

LATERAL RESTRAINT FIXED
TO PURLINS USING 1/14gx75
TYPE 17 HEX HEAD SCREWS TYP.

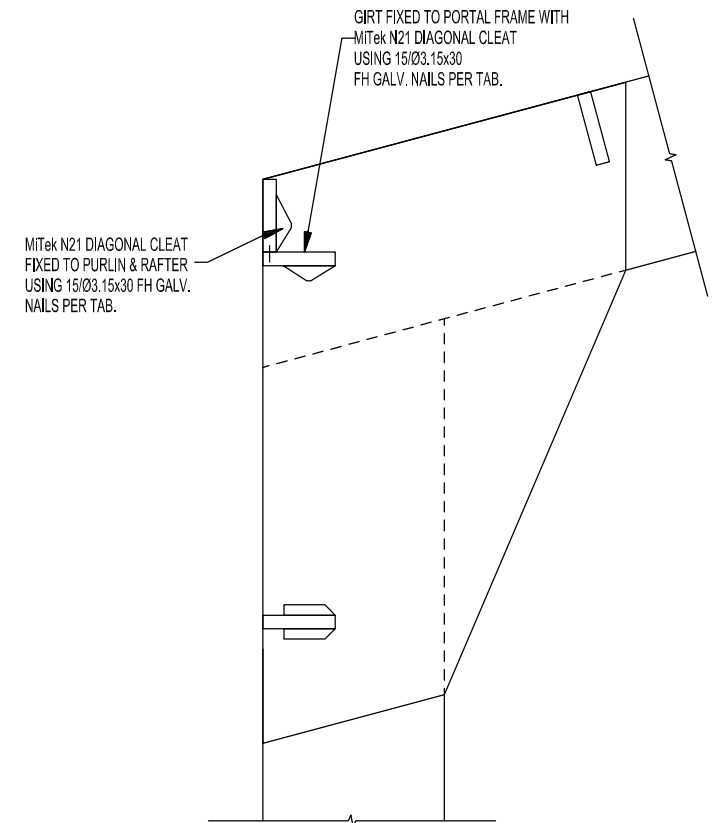
FIX LATERAL RESTRAINT TO BLOCKING AND
SPICE USING 4/14gx75 HEX HEAD TYPE 17
SCREWS

DETAIL I

PURLIN BLOCKING PIECE PB1

PB2 SIMILAR

SCALE 1:25 (A3)



DETAIL K

GIRT TO COLUMN DETAIL

SCALE 1:25 (A3)

SECTIONS - PURLIN & GIRT LAYOUTS

PROJECT: PROPOSED 12.0m x 4.8m x 30.0 hyFRAME BUILDING
FOR: THREE BLOKES LTD
AT: 362 MATAKANA VALLEY ROAD, MATAKANA

DESIGNED: JVD

DRAWN: JRB

SHEET: S3 OF 6

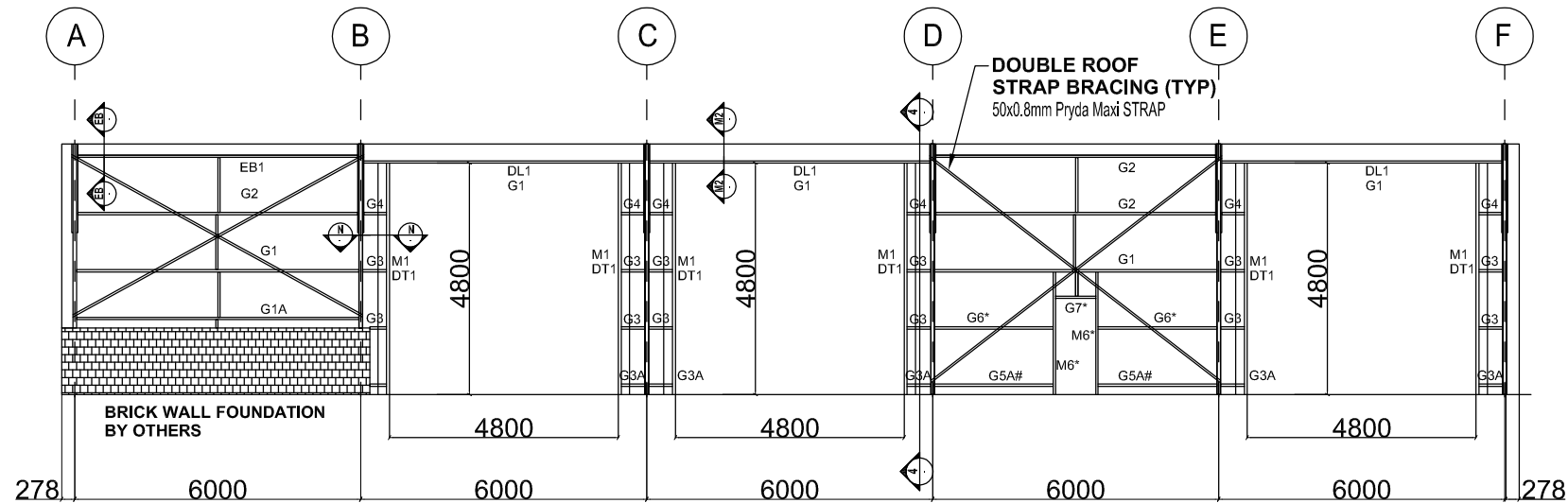
STRUCTURAL DRAWING

DATE: 15/15/2017

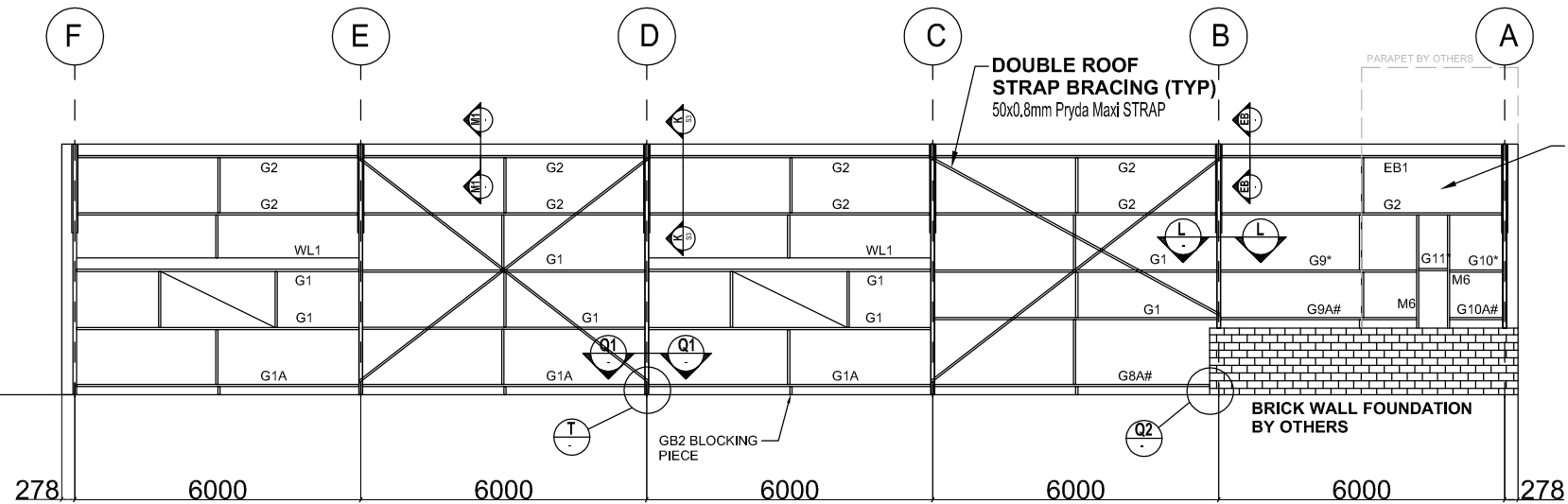
SCALE: AS NOTED

JOB NO: HF0014

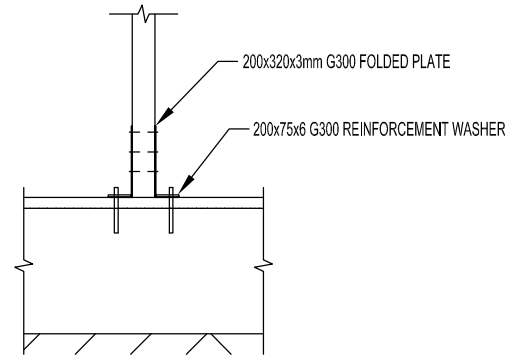
REVISION No. : CONSENT



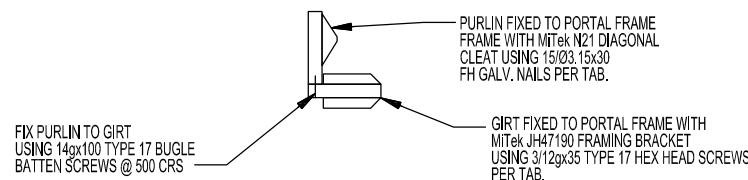
ELEVATION 0
SCALE 1:150 (A3)
WEST WALL ELEVATION
GIRT BLOCKING GB1 (UNO)
* - TO BE CUT FROM G1 SUPPLY
- TO BE CUT FROM G1A SUPPLY



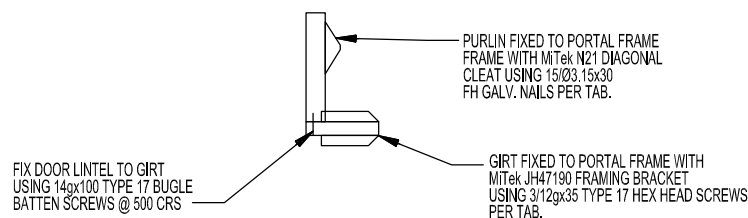
ELEVATION M
SCALE 1:150 (A3)
EAST WALL ELEVATION
GIRT BLOCKING GB1 (UNO)
* - TO BE CUT FROM G1 SUPPLY
- TO BE CUT FROM G1A SUPPLY



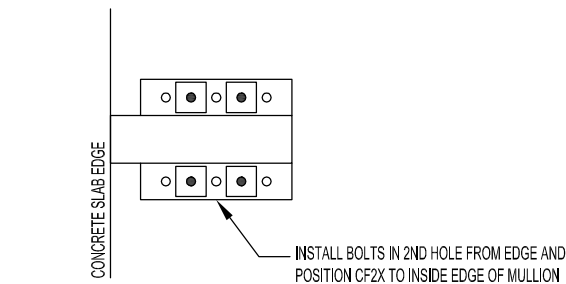
DETAIL T
SCALE 1:25 (A3)



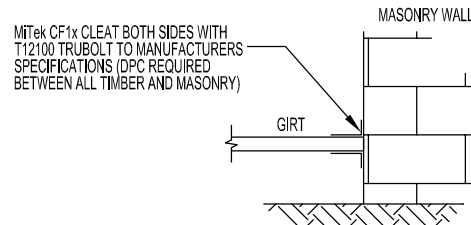
SECTION M1
SCALE 1:25 (A3)
PURLIN TO GIRTS



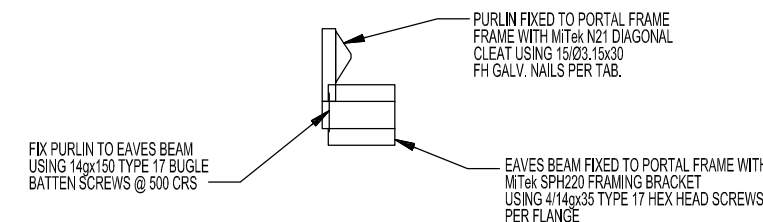
SECTION M2
SCALE 1:25 (A3)
DOOR LINTEL TO GIRTS



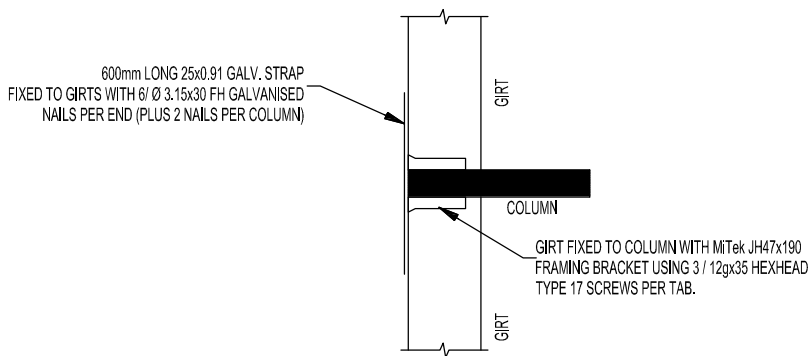
DETAIL N1
SCALE 1:10 (A3)
SIDE WALL MULLION BASE CONNECTION



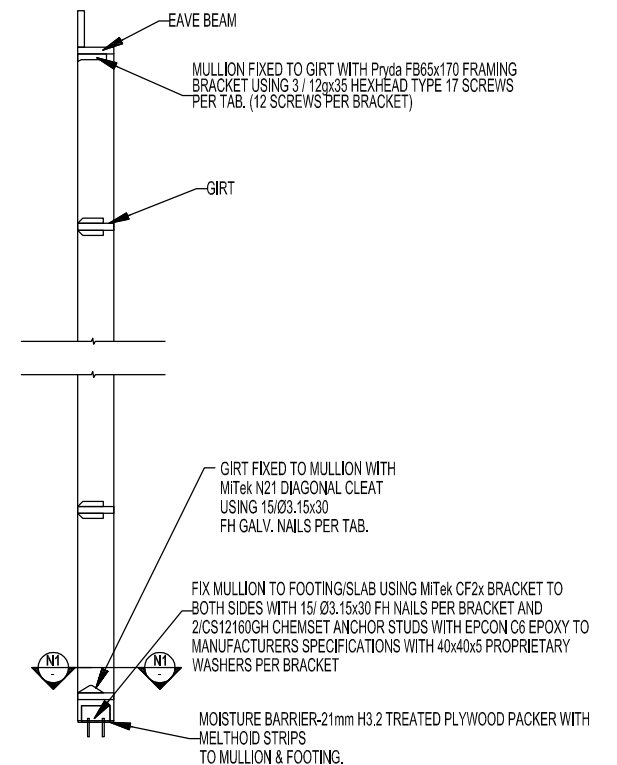
SECTION Q2
SCALE 1:25 (A3)
GIRTS TO MASONRY WALL CONNECTION



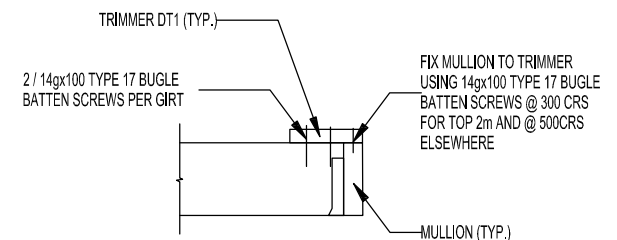
SECTION M1
SCALE 1:25 (A3)
PURLIN TO EAVES BEAM DETAIL



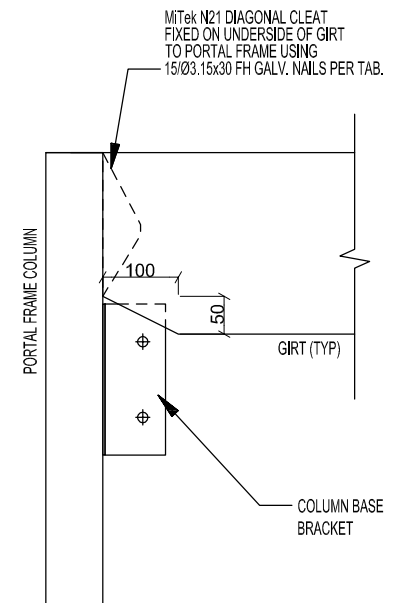
DETAIL L
SCALE 1:25 (A3)
GIRTS TO COLUMN DETAIL



SECTION 4
SCALE 1:50 (A3)
MULLION CONNECTION DETAIL



SECTION N
SCALE 1:25 (A3)
DOOR TRIMMER DETAIL



DETAIL Q1
SCALE 1:10 (A3)
GIRTS NOTCH FOR COLUMN BASE BRACKET AT PORTAL FRAME COLUMN - BOTTOM GIRTS SIMILAR

