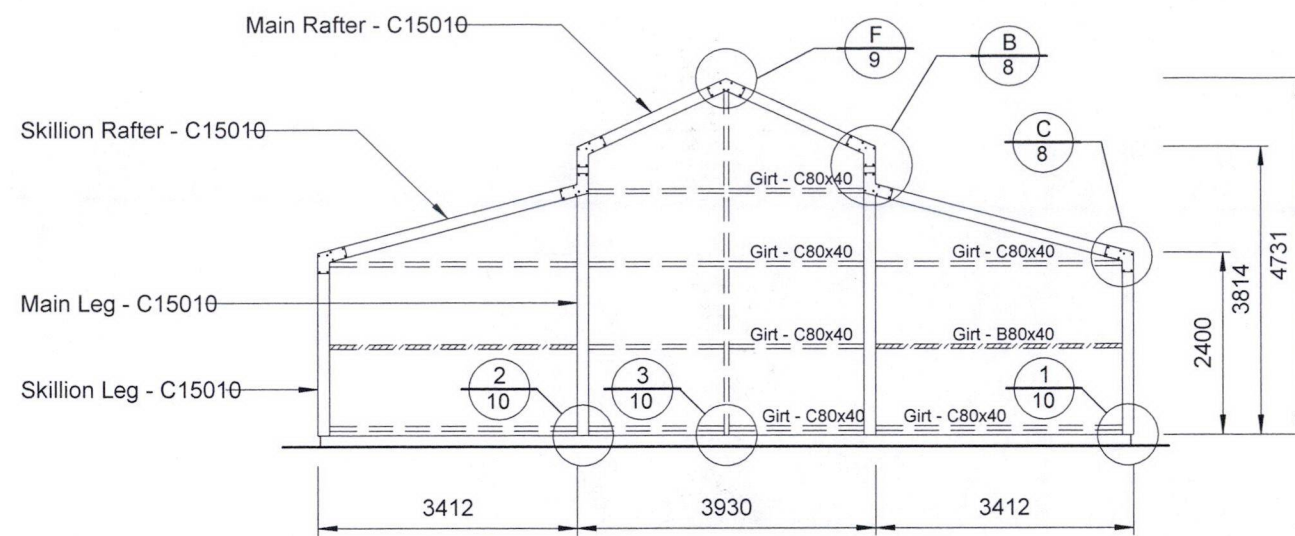
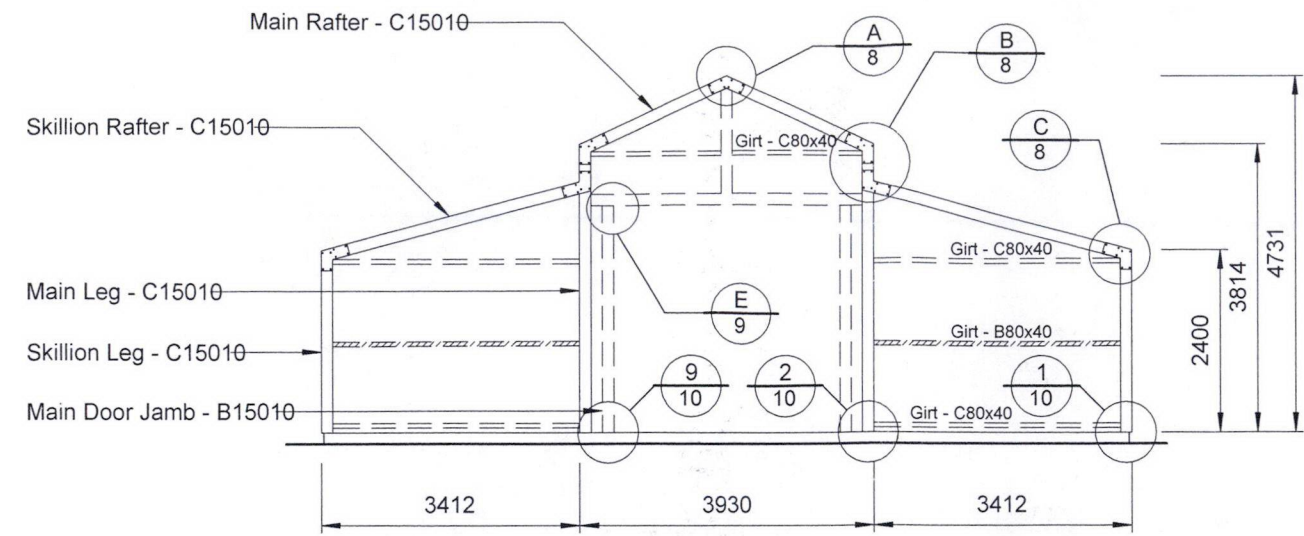


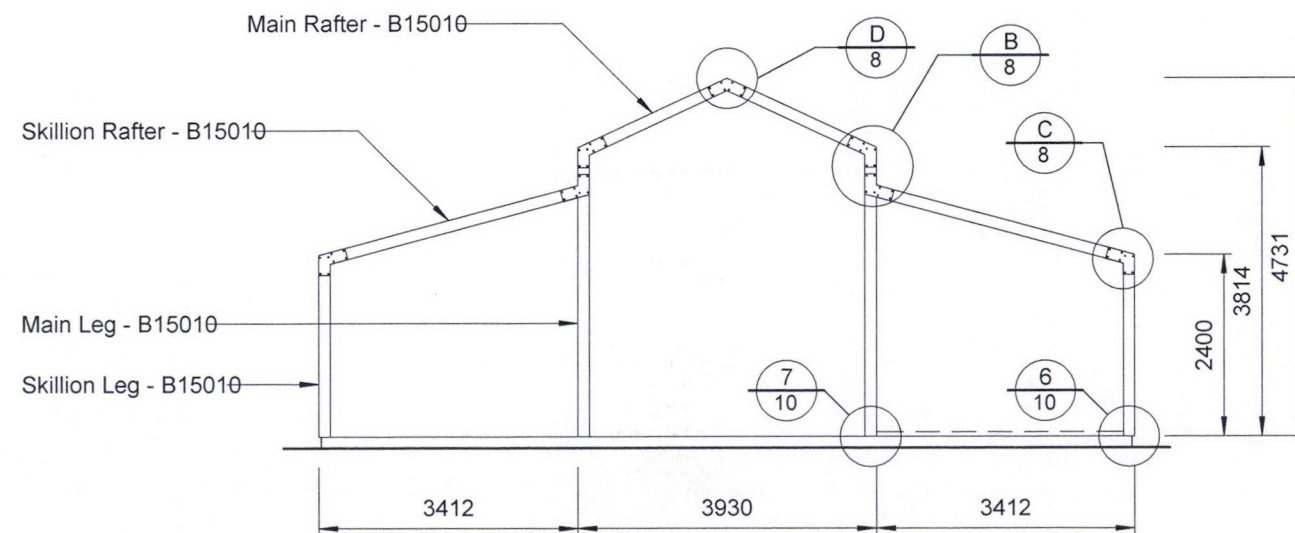
Far North District
Council
Received



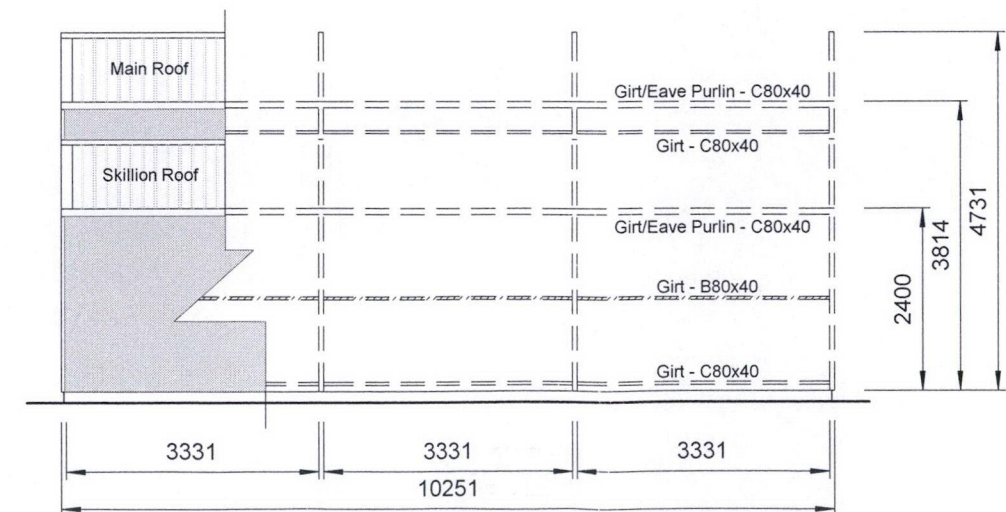
END PORTAL FRAME



END PORTAL FRAME - TYPICAL MAIN DOOR ENTRY



INTERNAL PORTAL FRAME



SIDE FRAME - 3 BAY

Purlins not shown for clarity

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Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

TOTALSPAN BUILDINGS
A Division of Spanbild New Zealand Ltd
112 Waterloo Road, Hornby,
P.O.Box 11-013, Christchurch
PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2679 State Highway 10
Lot 1 DP 77059
RD1 Mangonui

DESIGN:
F R Smith
ENGINEER'S SIGNATURE:

SCALE:
A3 1:100

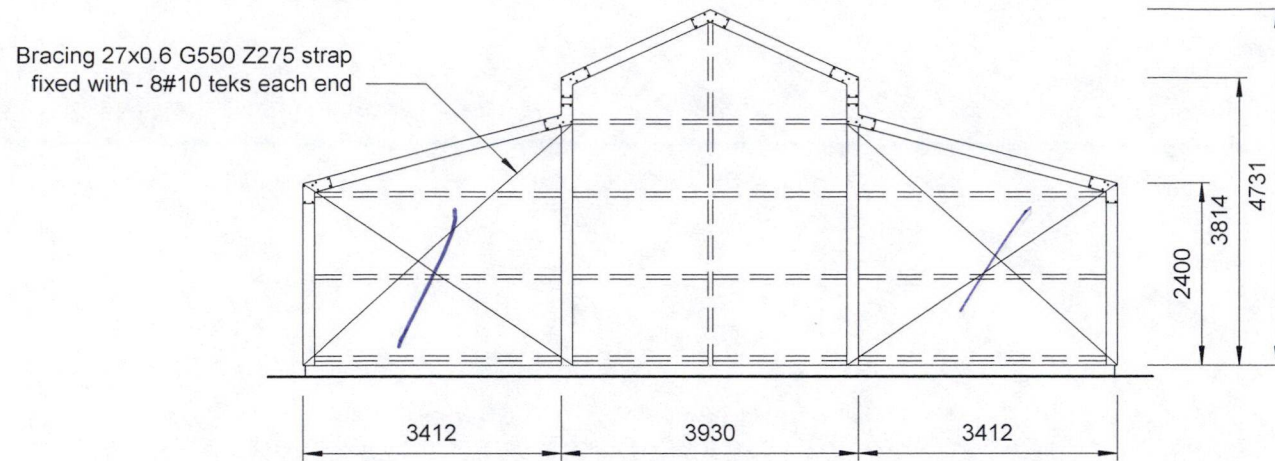
Heritage Barn

Wall Sections

Sheet 5 of 15

Bracing:

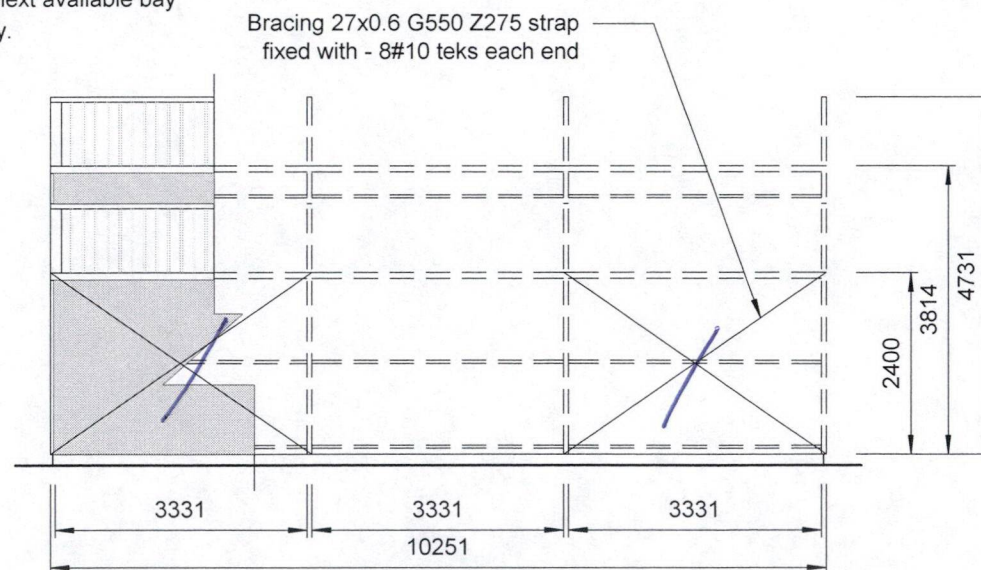
1. 2 braced panels located as shown.
2. Where the bracing cannot meet the required layouts, a specific design is required.



END PORTAL FRAME - BRACING

Bracing:

1. 2 braced bays per each side.
2. If openings are required in the end bays, relocate bracing to the next available bay or double brace one bay.

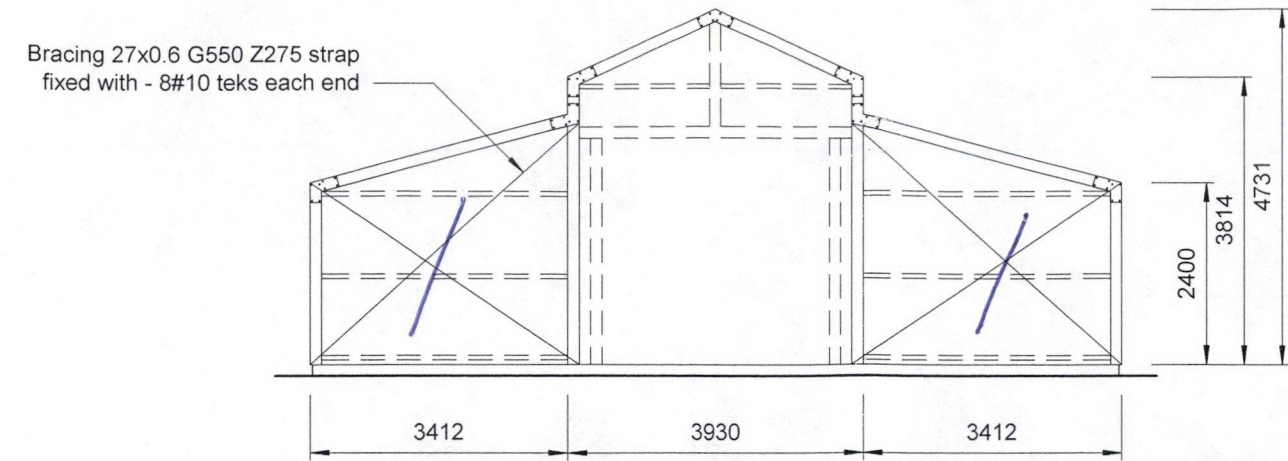


SIDE FRAME - 3 BAY

Purlins not shown for clarity

Bracing:

1. 2 braced panels as shown.
2. When 2 doors are located in the gable end, double brace other panel.
3. When 3 doors are located in the gable end, shall be specific design unless bracing can be fixed in both adjacent end bays of the side walls.



END PORTAL FRAME - BRACING
TYPICAL MAIN DOOR ENTRY

Bracing layout next page.

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Chartered Consulting Engineer
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Phone +64 03 348 1521

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112 Waterloo Road, Hornby,
P.O.Box 11-013, Christchurch
PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2674 State Highway 10
Mangonui

DESIGN:
F R Smith

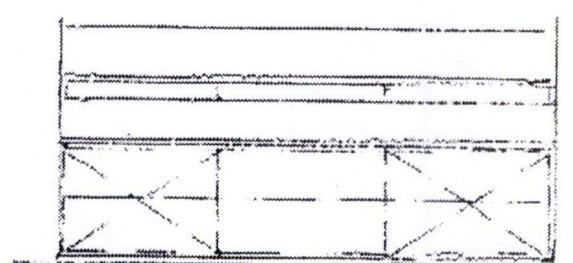
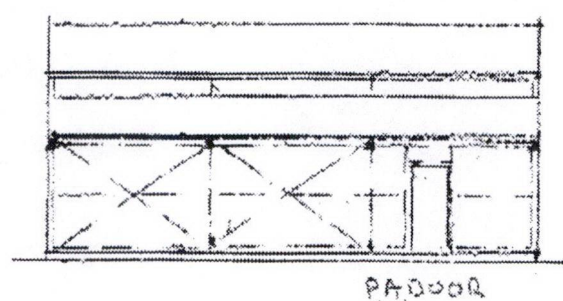
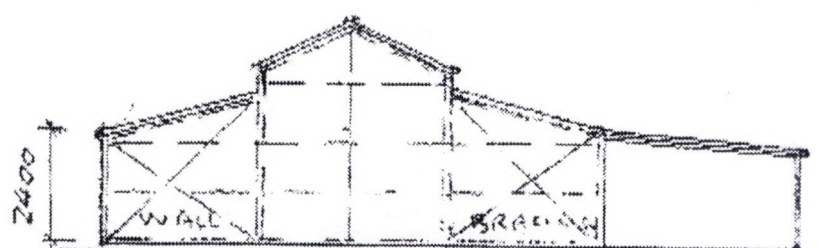
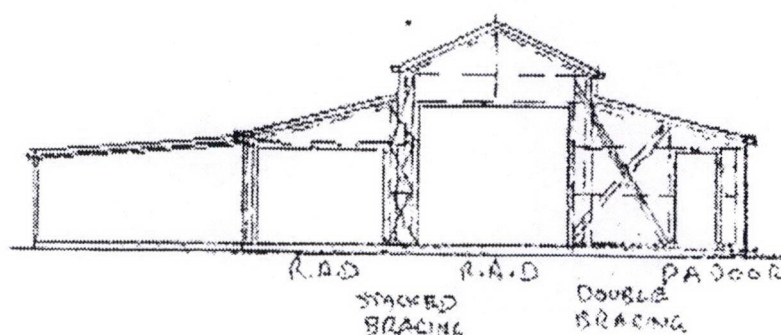
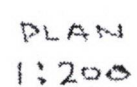
SCALE:
A3 1:100

ENGINEER'S SIGNATURE:

Heritage Barn

Wall Bracing

Sheet 6 of 15



AWNING OMITTED
FOR CLARITY

ELEVATIONS
1:200

TOTALSPAN STEEL FRAMED BUILDINGS

FREDERICK R SMITH
Chartered Consulting Engineer
Ph 03 348 1521 Fx 03 348 1571
363 Wairakei Rd Christchurch

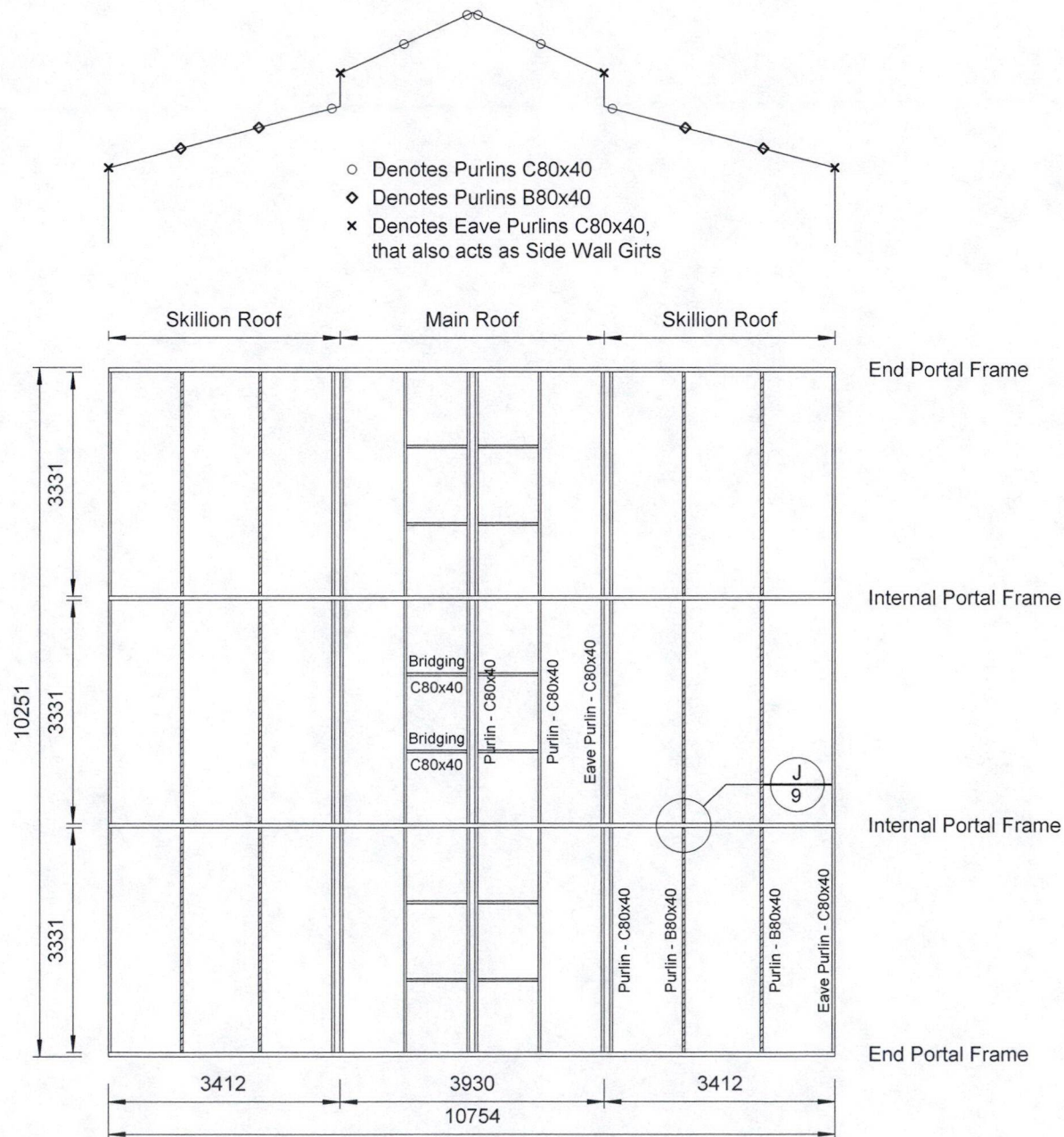
Far North District
Council
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ORDING
267# STEHWY 10

DATE : APRIL 2010 REF: 7220

↑

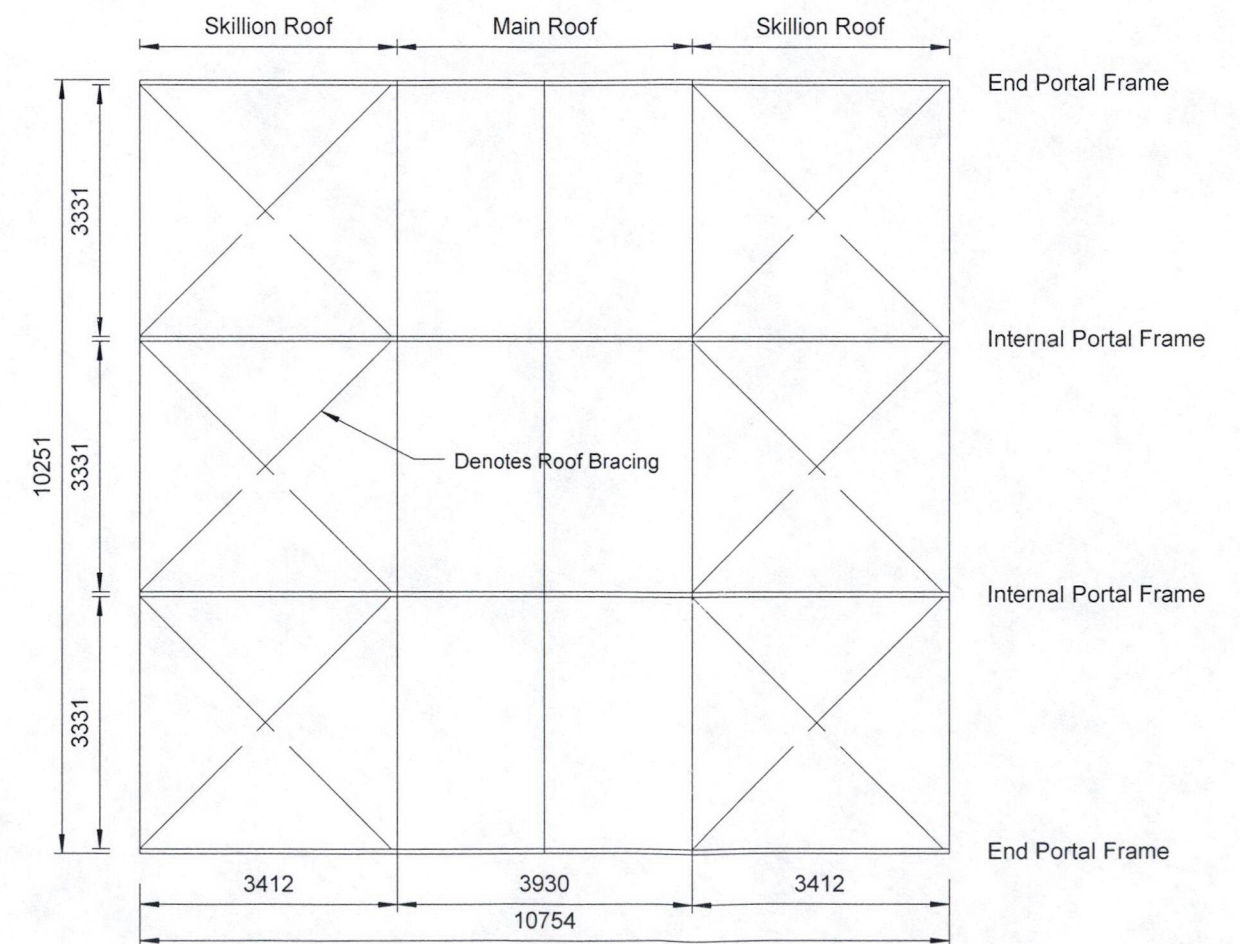
Far North District
Council
Received



ROOF FRAMING - 3 BAY

Bracing Notes:

1. Roof Bracing 27X0.6 G550 Z275 Strap fixed with - 8 #10 teks each end.
2. Where the bracing cannot meet the required layouts, specific design is required.



ROOF BRACING - 3 BAY

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Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

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112 Waterloo Road, Hornby,
P.O.Box 11-013, Christchurch
PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2674 State Highway 10
Mangonui

DESIGN:
F R Smith
ENGINEER'S SIGNATURE:

SCALE:
A3 1:100

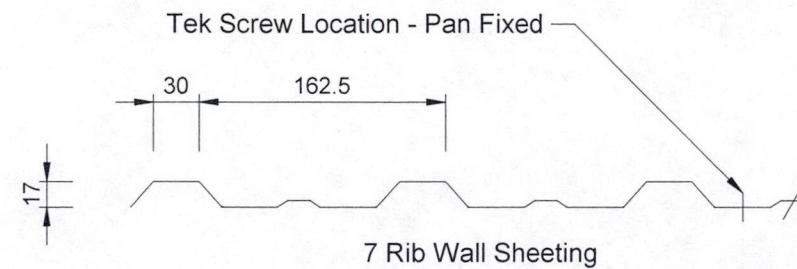
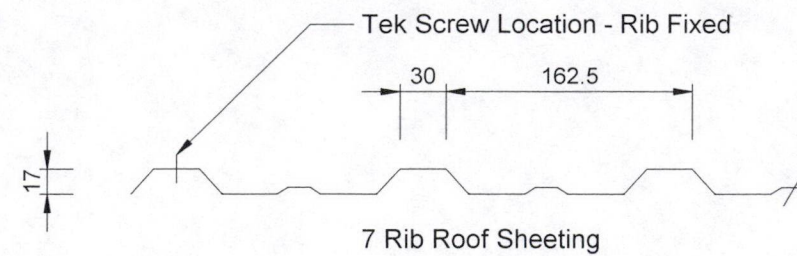
Heritage Barn

Roof Sections & Bracing

Sheet 7 of 15

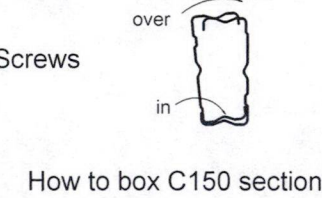
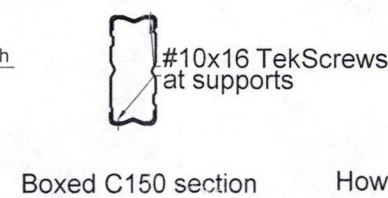
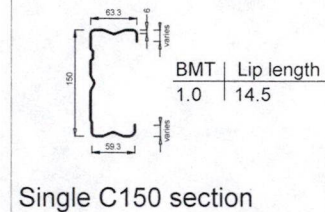
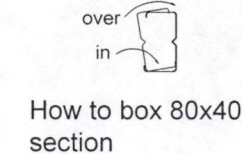
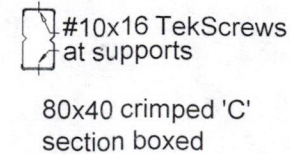
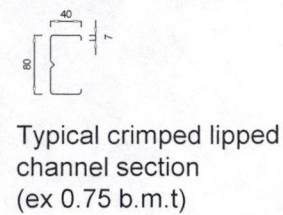
Sheeting Properties

N.T.S



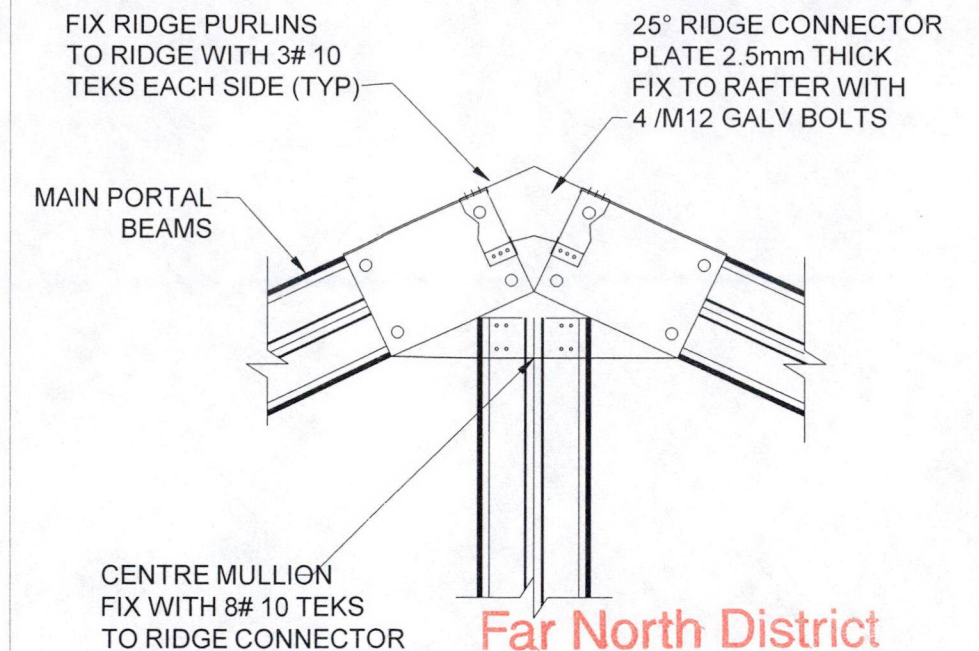
Section Properties

C80x40, B80x40, C150, B150



Detail A

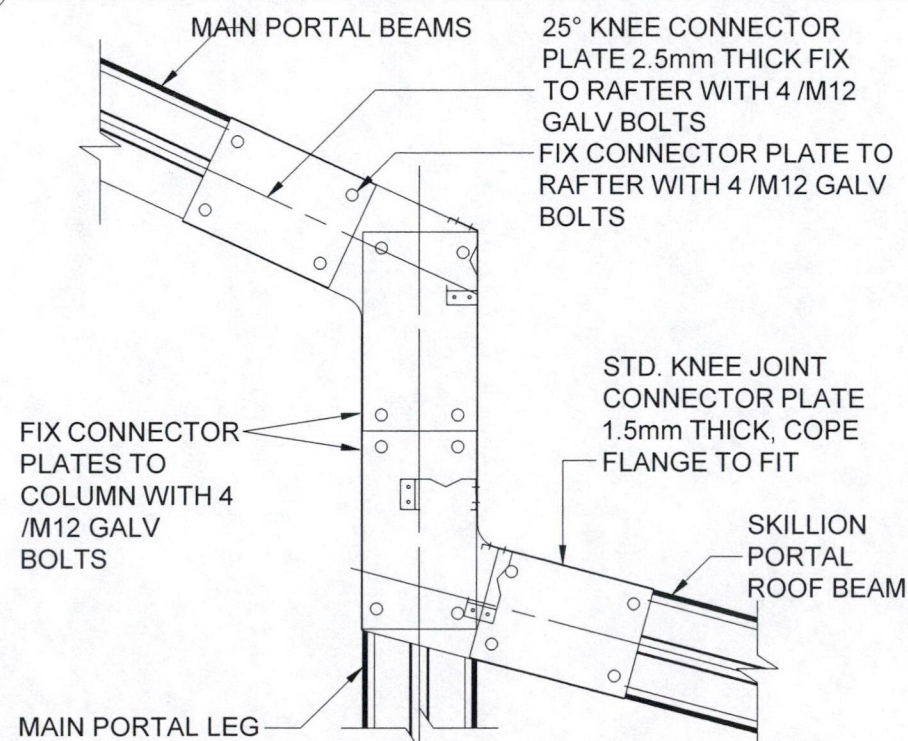
Typical Upright (On Flat) To Ridge Connector



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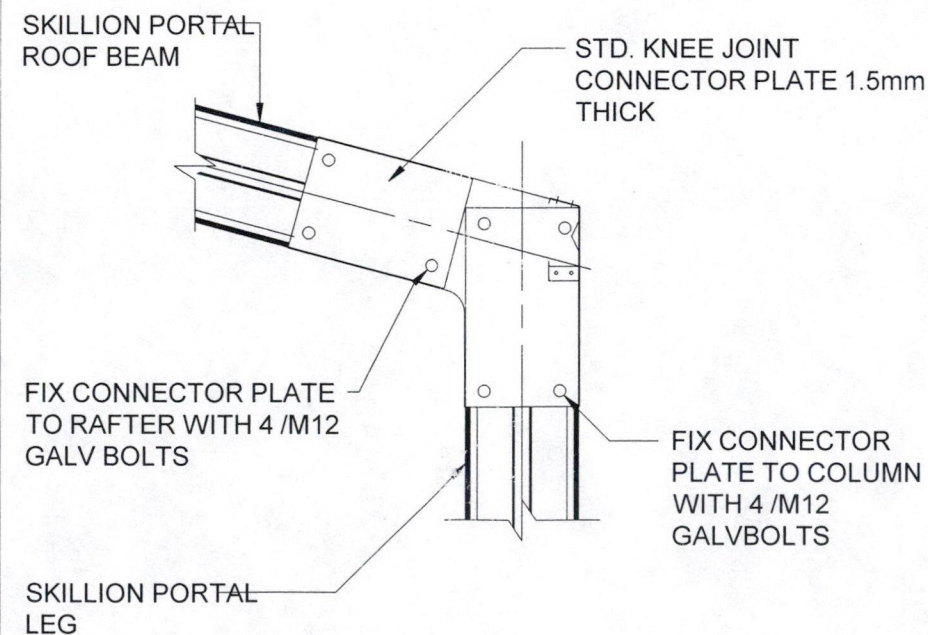
Detail B

Typical Main Leg Connections



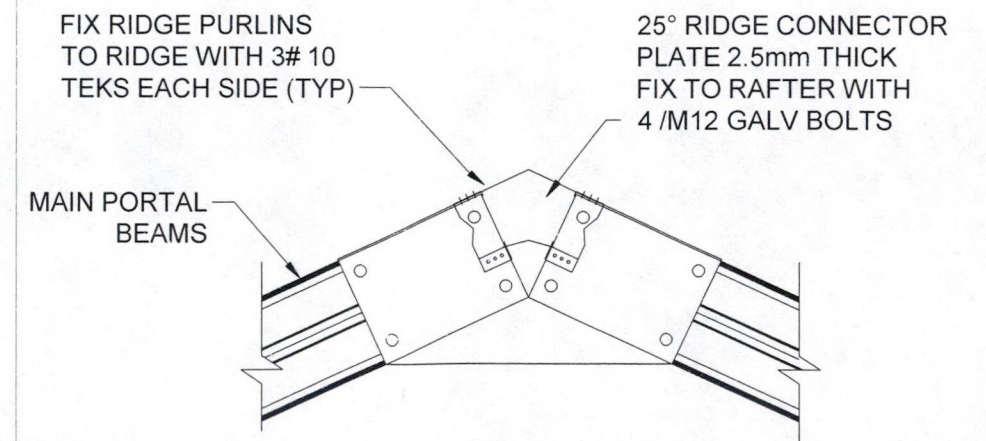
Detail C

Typical Skillion Knee Connection



Detail D

Typical Internal Ridge Connector



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Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

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A Division of Spanbild New Zealand Ltd
112 Waterloo Road, Hornby,
P.O.Box 11-013, Christchurch
PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2674 State Highway 10
Mangonui

DESIGN:
F R Smith

SCALE:
A3 1:10

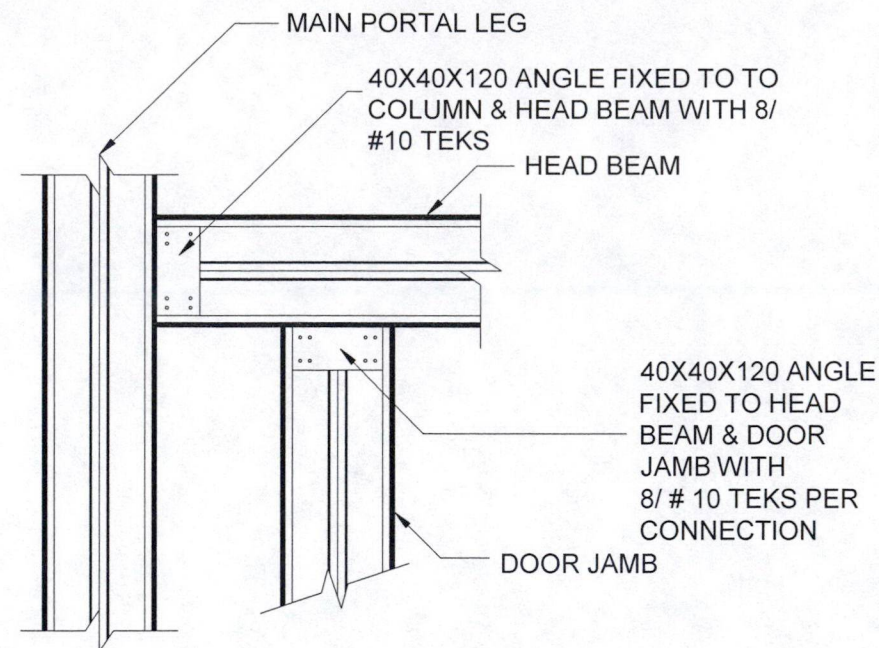
ENGINEER'S SIGNATURE:

Heritage Barn

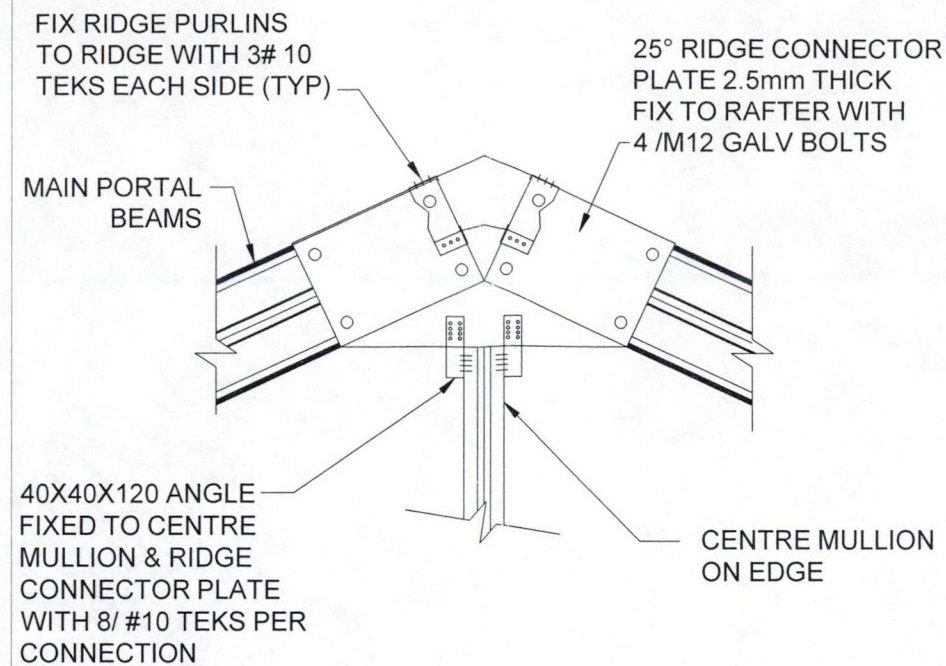
Connection Details

Sheet 8 of 15

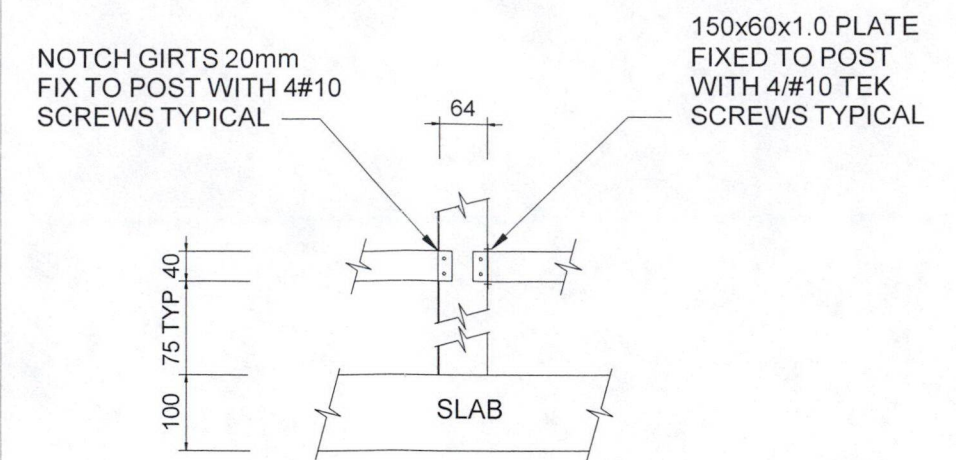
Typical Main Door Beam & Jamb



Typical Upright (On Edge) To Ridge Connector

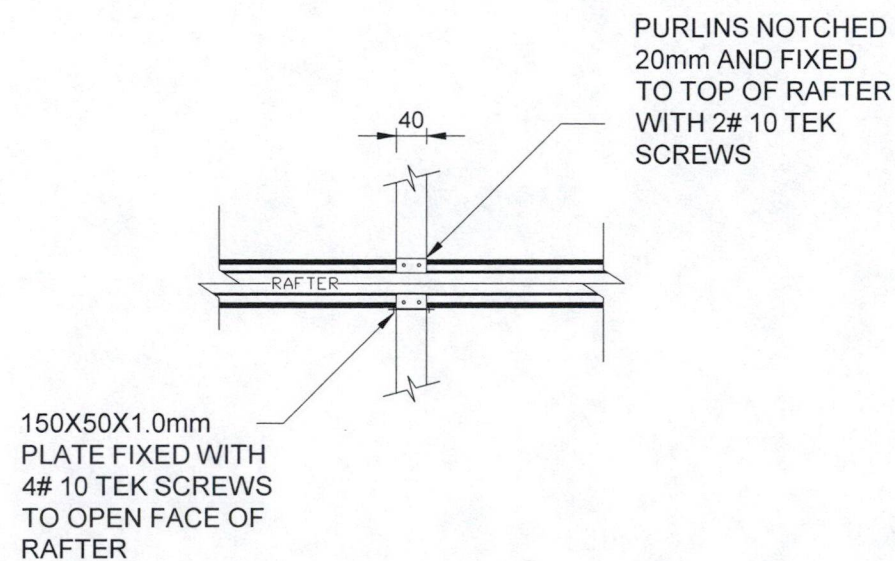


Typical Girt To Column



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Typical Purlin To Rafter



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Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

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F R Smith

SCALE:
A3 1:10

ENGINEER'S SIGNATURE:

Heritage Barn

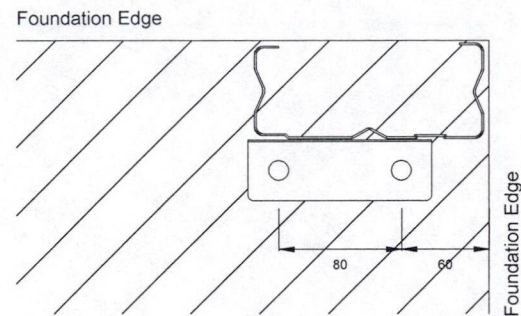
Connection Details

Sheet 9 of 15

Detail 1

End Frame Skillion Corner Leg

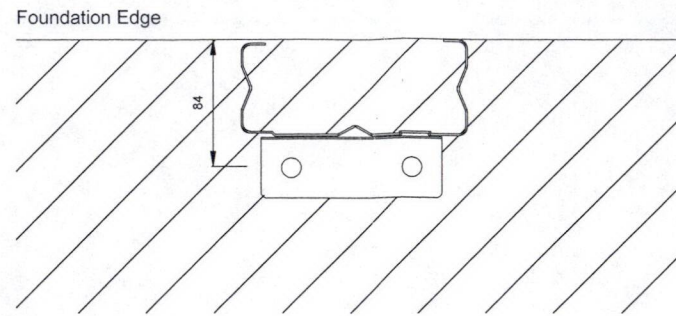
40X40X120 ANGLE FIXED TO SLAB
WITH 2/10mm HEX SCREW BOLTS
AND TO COLUMN WITH 8 # 10 TEKS



Detail 2

End Frame Main Leg

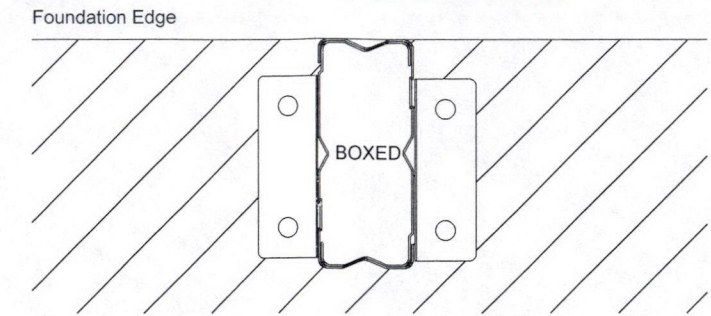
40X40X120 ANGLE FIXED TO SLAB
WITH 2/10mm HEX SCREW BOLTS
AND TO COLUMN WITH 8 # 10 TEKS



Detail 3

End Frame Centre Upright

40X40X120 ANGLE FIXED TO SLAB
WITH 2/10mm HEX SCREW BOLTS
AND TO COLUMN WITH 8 # 10 TEKS

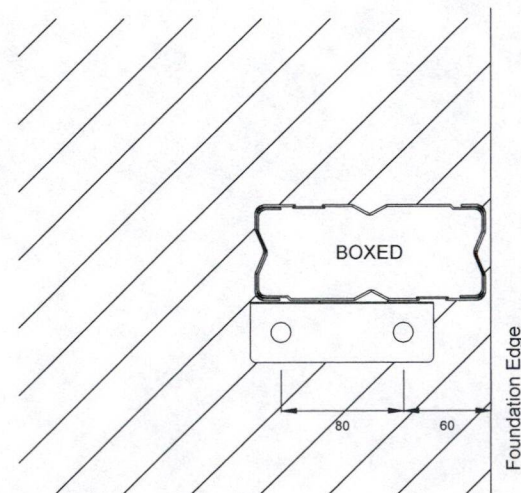


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Detail 6

Internal Frame Skillion Leg

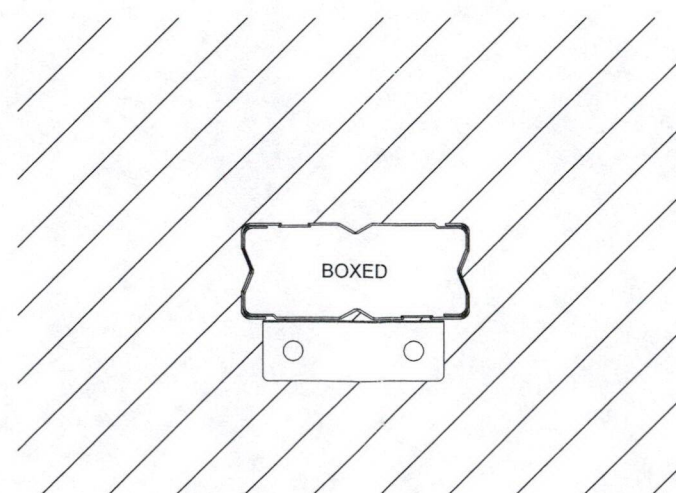
40X40X120 ANGLE FIXED TO SLAB
WITH 2/10mm HEX SCREW BOLTS
AND TO COLUMN WITH 8 # 10 TEKS



Detail 7

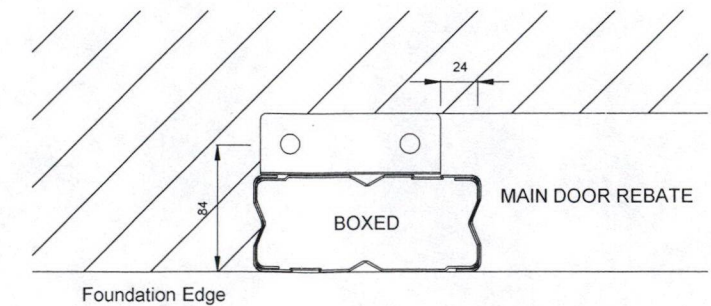
Internal Frame Main Leg

40X40X120 ANGLE FIXED TO SLAB
WITH 2/10mm HEX SCREW BOLTS
AND TO COLUMN WITH 8 # 10 TEKS



Detail 9

Main Door Jamb



40X40X120 ANGLE FIXED TO SLAB
WITH 2/10mm HEX SCREW BOLTS
AND TO COLUMN WITH 8 # 10 TEKS

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Heritage Barn

Floor Connection Details

Sheet 10 of 15

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Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

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A Division of Spanbild New Zealand Ltd

112 Waterloo Road, Hornby,
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PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2674 State Highway 10
Mangonui

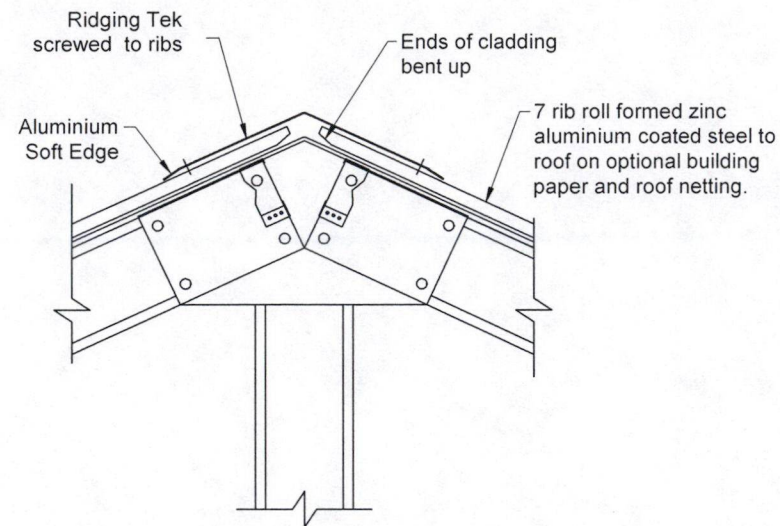
DESIGN:
F R Smith

SCALE:
A3 1:5

ENGINEER'S SIGNATURE:

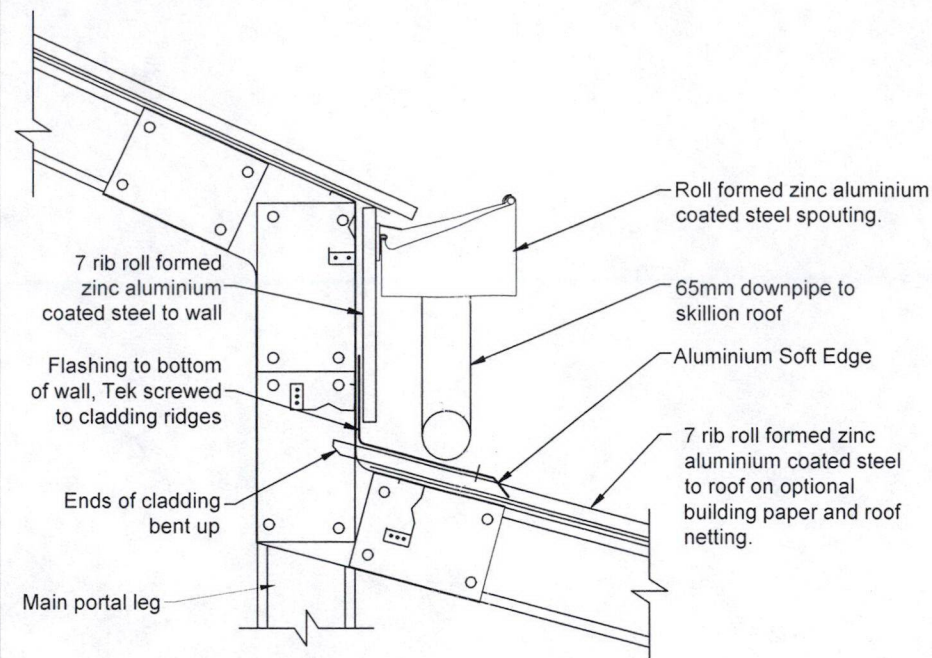
Ridge Flashing

N.T.S



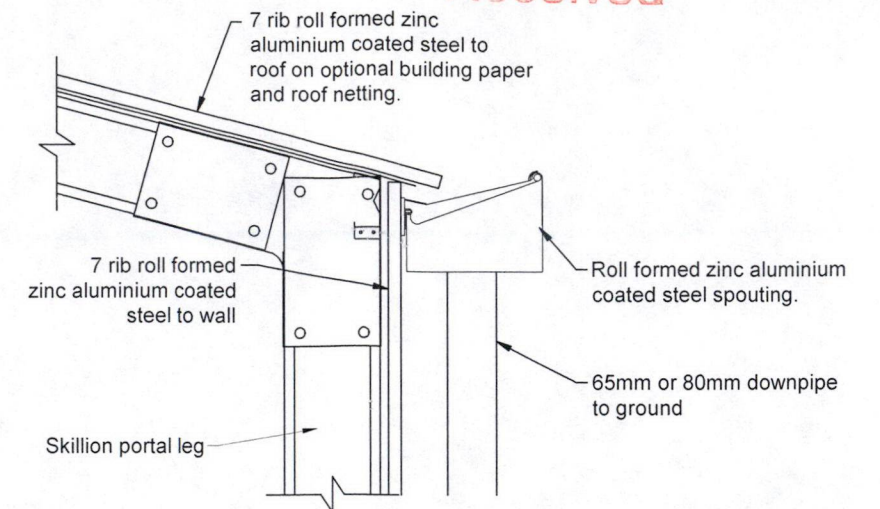
Upper Roof Eave & Skillion Apron Flashing

N.T.S



Skillion Roof Eave

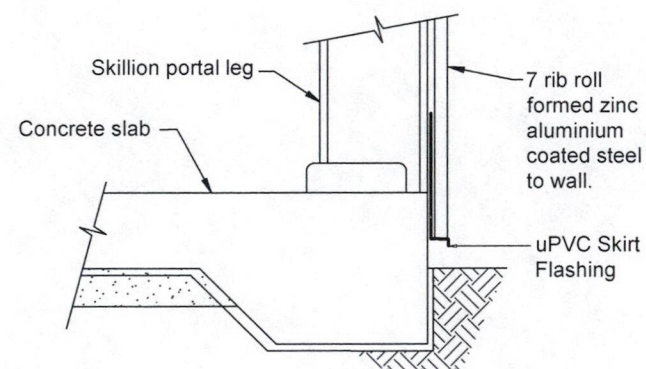
N.T.S



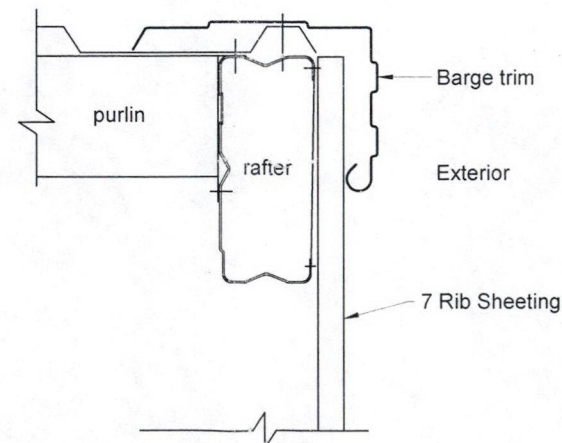
RP65mm Downpipe services 60m2 of roof area
RP80mm Downpipe services 100m2 of roof area
(Based on peak rainfall of 200mm per hour)

Wall Sheeting Base & uPVC Skirt Flashing

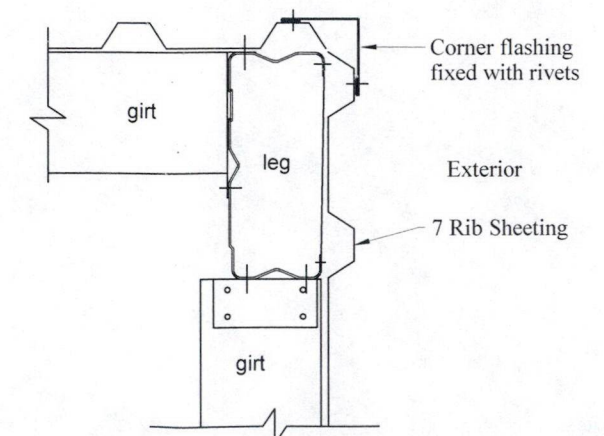
N.T.S



Barge



External Corner - B3a



FREDERICK R SMITH
Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

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112 Waterloo Road, Hornby,
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PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2674 State Highway 10
Mangonui

DESIGN:
F R Smith

SCALE:
A3 1:5

ENGINEER'S SIGNATURE:

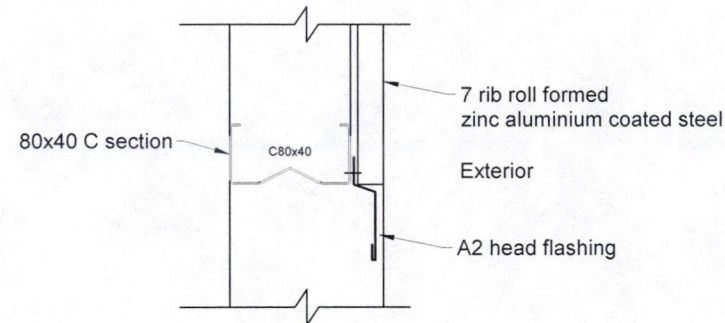
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Heritage Barn

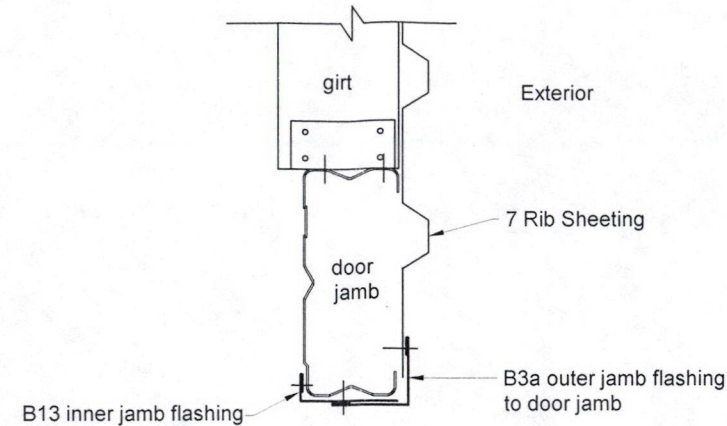
Flashing Details

Sheet 11 of 15

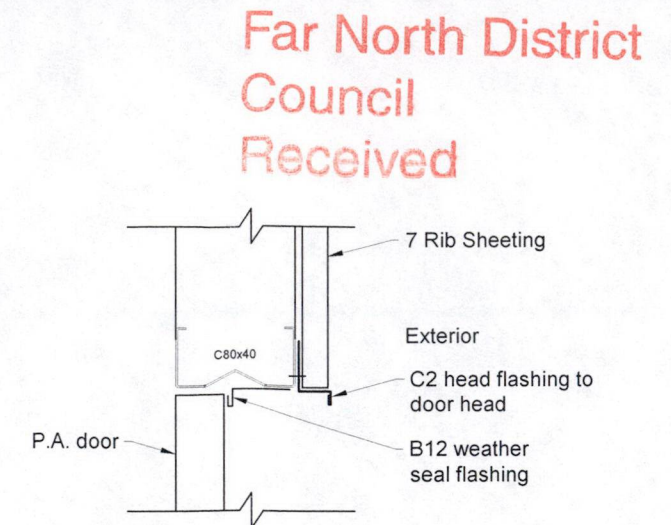
Maindoor Head - A2



Maindoor Jamb - B3a & B13

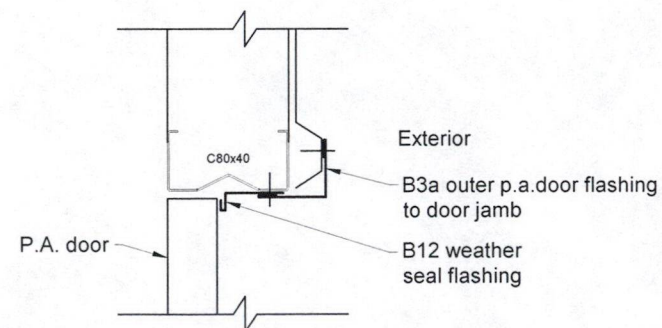


P.A. Door Head - C2 & B12



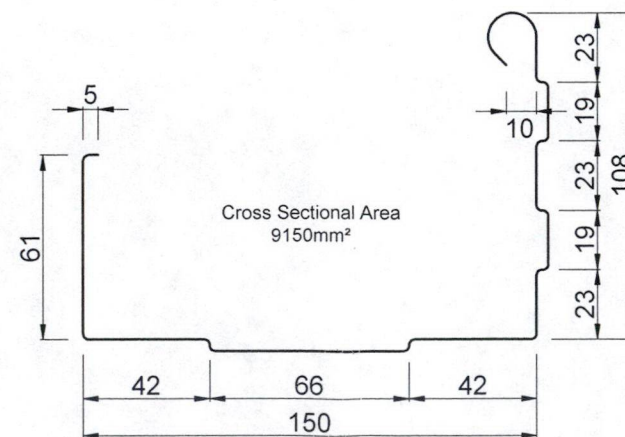
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Council
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P.A. Door Jamb - B3a & B12



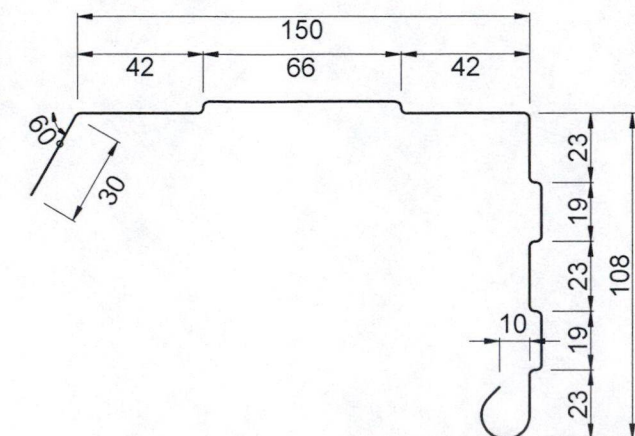
Gutter Profile

N.T.S



Barge Profile

N.T.S



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Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

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For: Mr. Hans Ording
2674 State Highway 10
Mangonui

DESIGN:
F R Smith
ENGINEER'S SIGNATURE:

SCALE:
A3 1:5

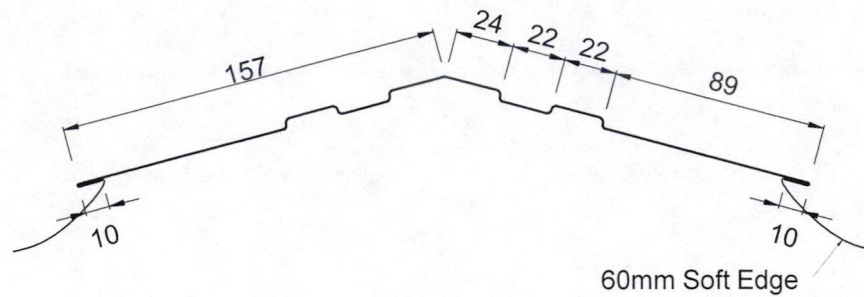
Heritage Barn

Flashing Details

Sheet 12 of 15

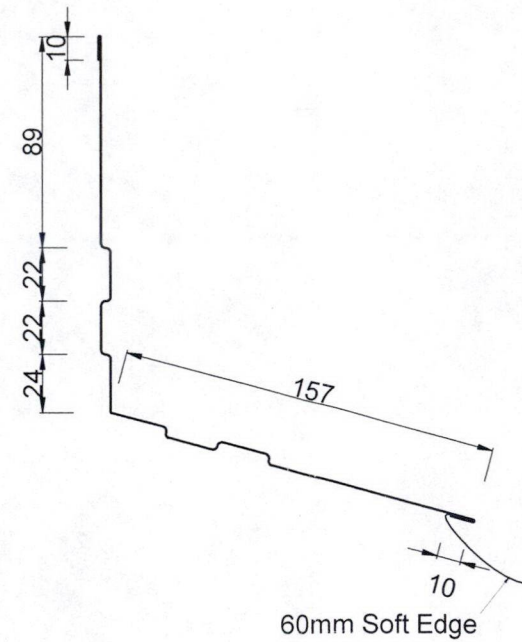
Ridge Profile

N.T.S



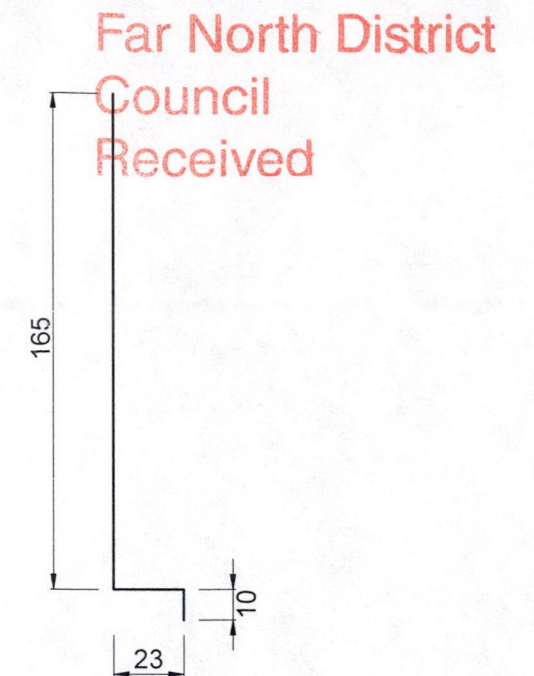
Skillion Flashing Profile

N.T.S



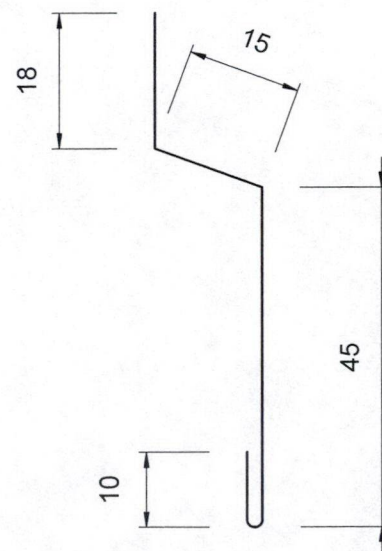
uPVC Skirt Flashing Profile

N.T.S



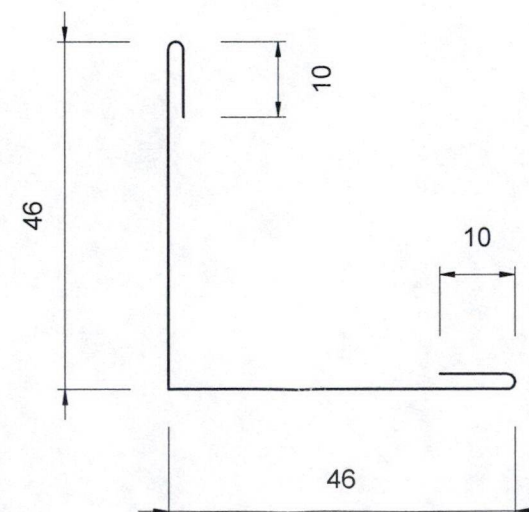
A2 Flashing Profile

N.T.S



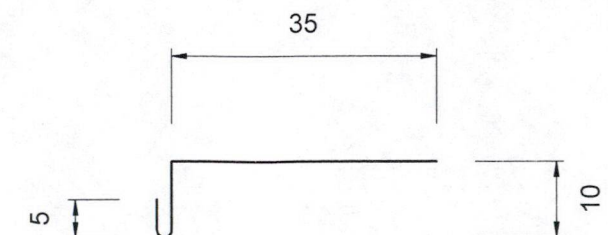
B3a Flashing Profile

N.T.S



B12 Flashing Profile

N.T.S



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Chartered Consulting Engineer
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2674 State Highway 10
Mangonui

DESIGN:
F R Smith

SCALE:
A3 1:5

ENGINEER'S SIGNATURE:

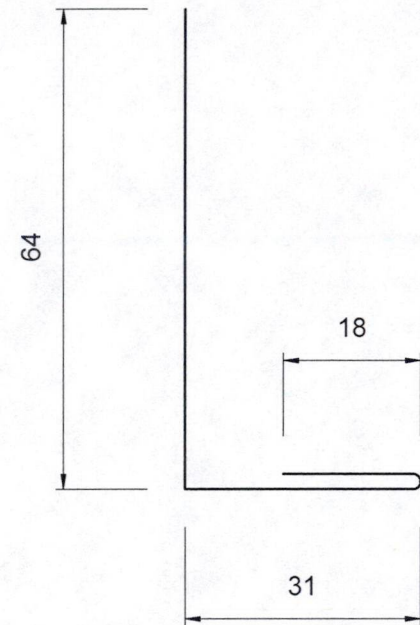
Heritage Barn

Flashing Details

Sheet 13 of 15

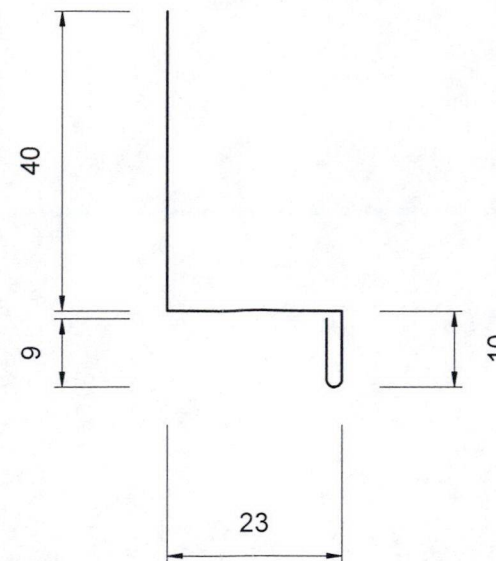
B13 Flashing Profile

N.T.S



C2 Flashing Profile

N.T.S



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PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2674 State Highway 10
Mangonui

DESIGN:
F R Smith
SCALE:
A3 1:5
ENGINEER'S SIGNATURE:

[Handwritten Signature]

Heritage Barn
Flashing Details
Sheet 14 of 15

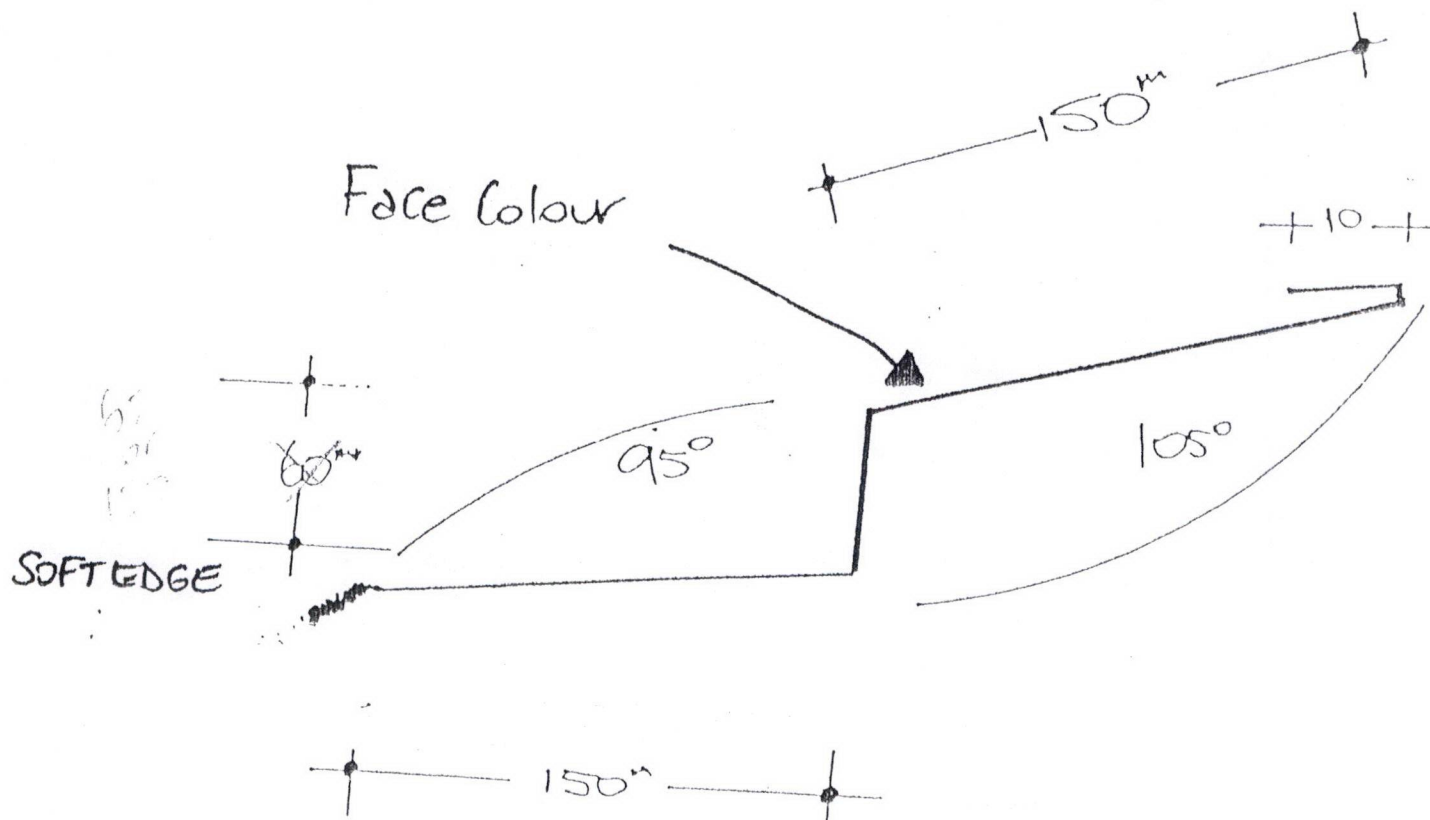
TOTALSPAN®

STEEL SHEDS & BUILDINGS

Totalspan Far North Flashing Order

Date	17/MAY - 2010	BC 2010-1297/0
Ordered By		
Our Order Number		
Client Name	Ording	
Flashing Name		Change of Pitch
Colour		
Quantity		
Lengths		

Drawing No. 4



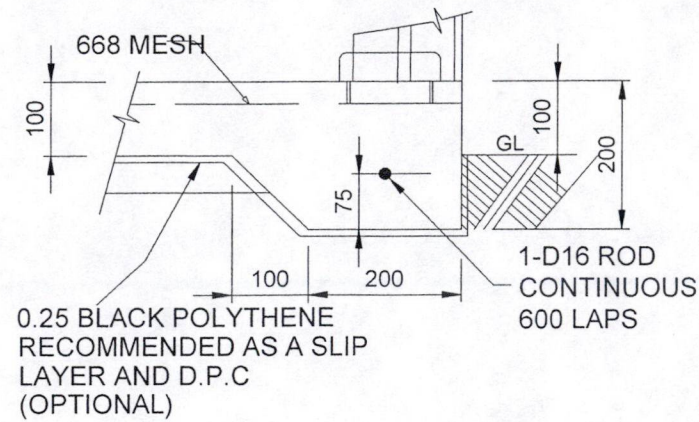
Totalspan Far North Ltd
1235 State Highway 10, RD3, Kerikeri
Telephone 09 407 7875 Fax 09 407 7880
Email: farnorth@totalspan.co.nz

Far North District
Council
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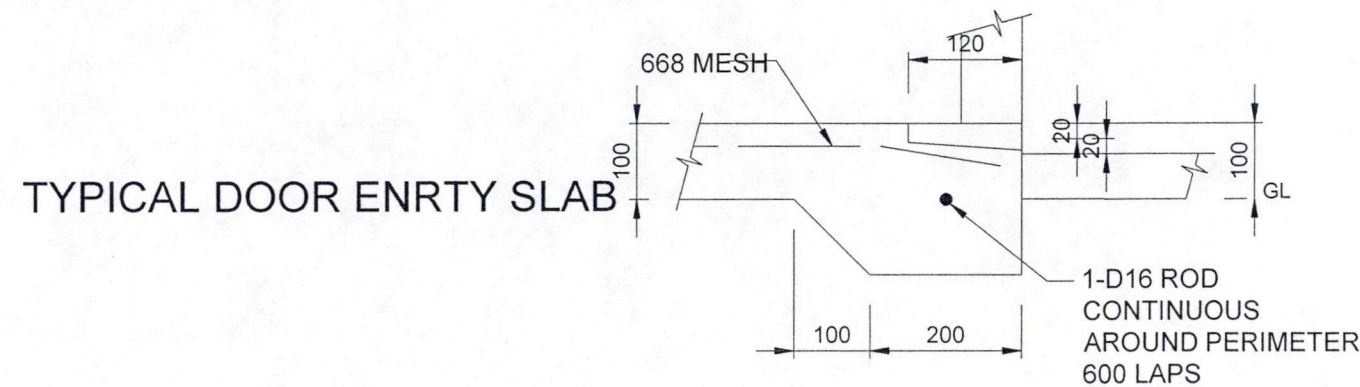
Concrete Slab & Footing Details

Scale: A3 1:10

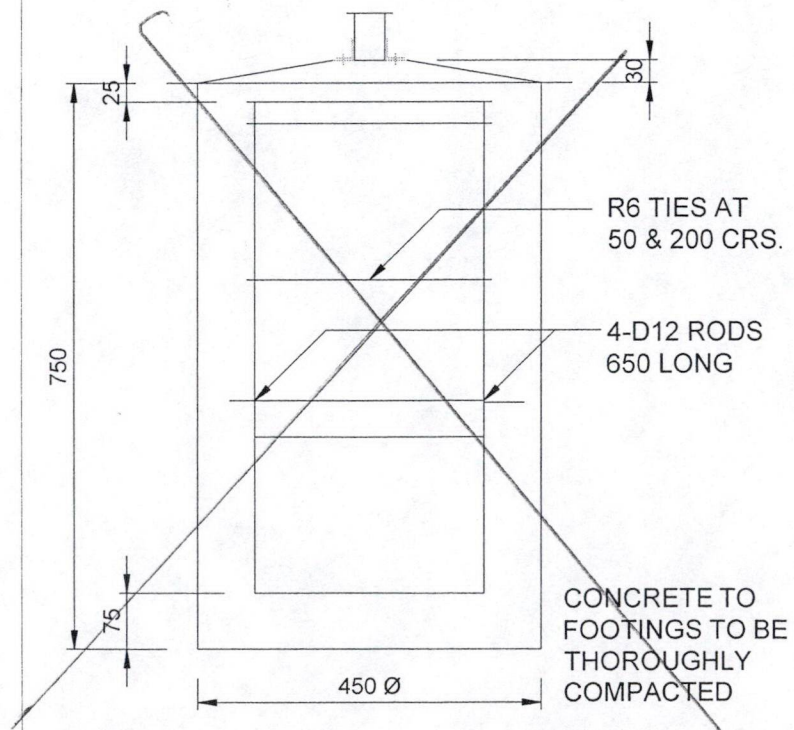
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FOUNDATION SECTION



TYPICAL DOOR ENRTY SLAB



TYPICAL FOOTING

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FREDERICK R SMITH
Chartered Consulting Engineer
363 Wairakei Rd, Burnside
Christchurch 8053, NZ
Phone +64 03 348 1521

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A Division of Spanbild New Zealand Ltd
112 Waterloo Road, Hornby,
P.O.Box 11-013, Christchurch
PH: (09) 261 2306 FAX: (09) 262 1535

For:

DESIGN:
F R Smith

SCALE:
A3 1:100

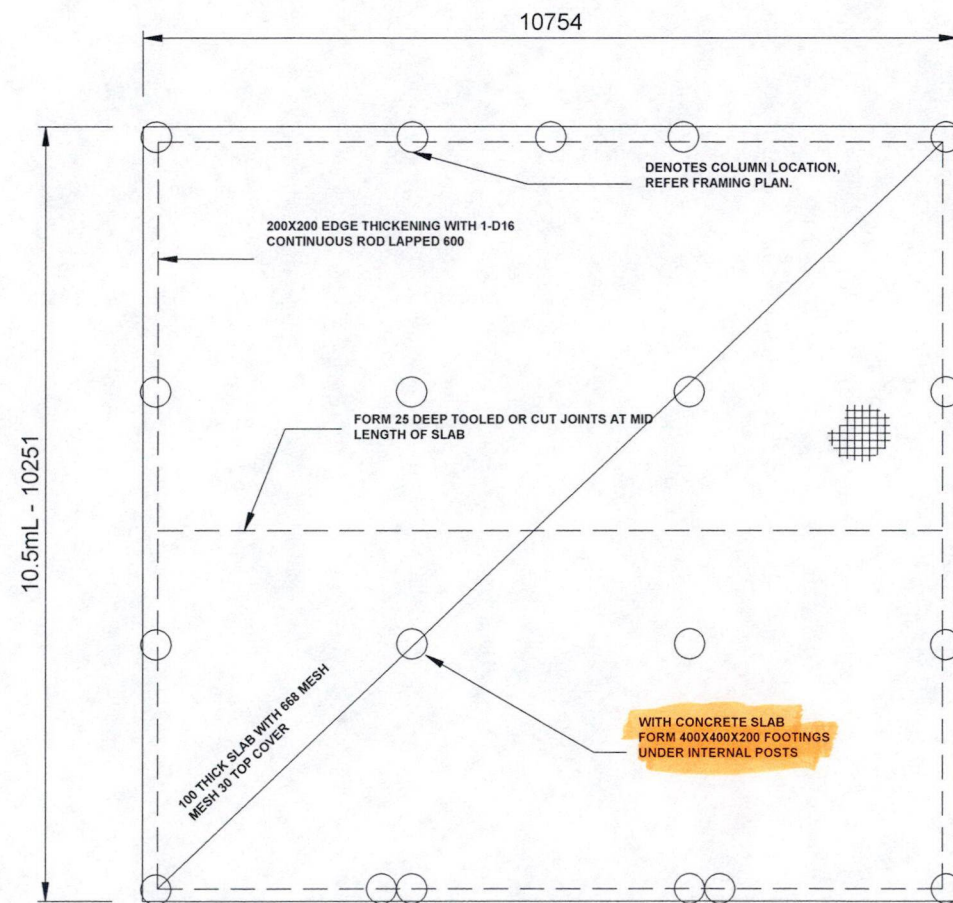
ENGINEER'S SIGNATURE:

[Handwritten Signature]

Heritage Barn

Foundations

Sheet 14 of 14

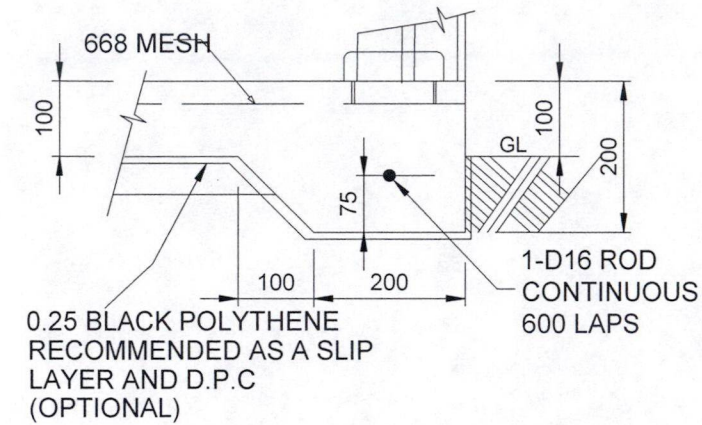


CONCRETE SLAB PLAN - 3 BAY

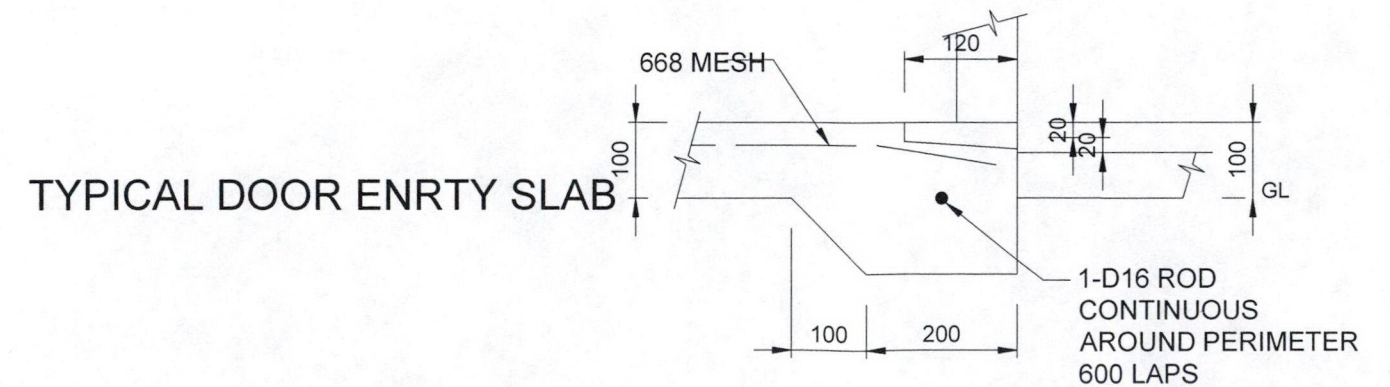
Concrete Slab Details

Scale: A3 1:10

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FOUNDATION SECTION



TYPICAL DOOR ENTRY SLAB

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112 Waterloo Road, Hornby,
P.O.Box 11-013, Christchurch
PH: (09) 261 2306 FAX: (09) 262 1535

For: Mr. Hans Ording
2674 State Highway 10
Mangonui

DESIGN:
F R Smith
ENGINEER'S SIGNATURE:

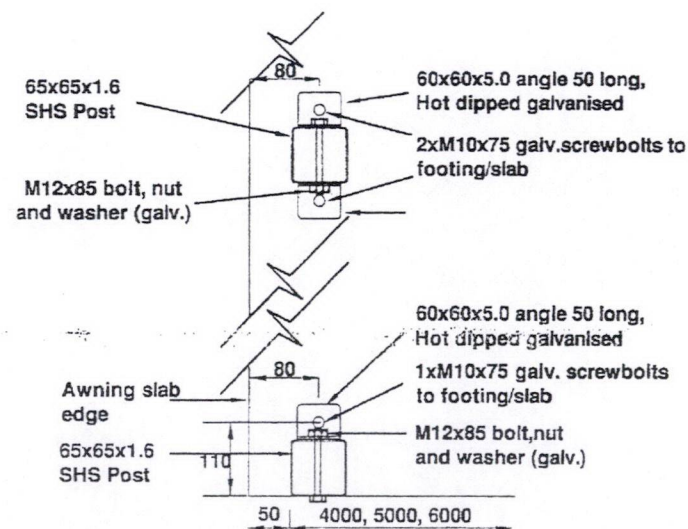
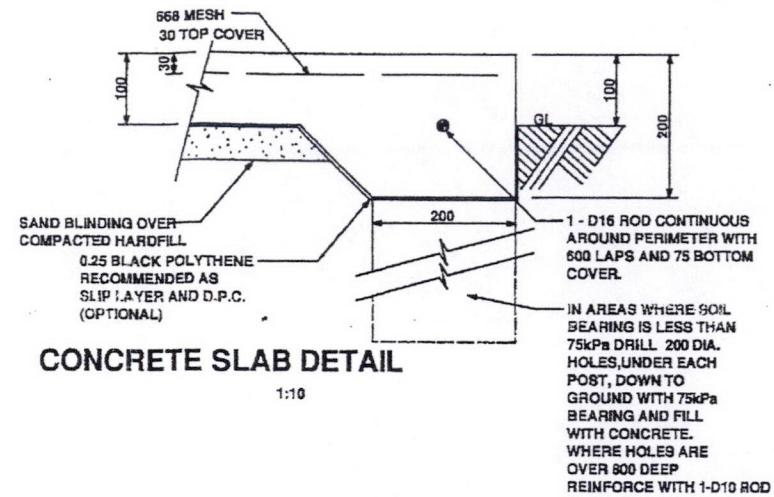
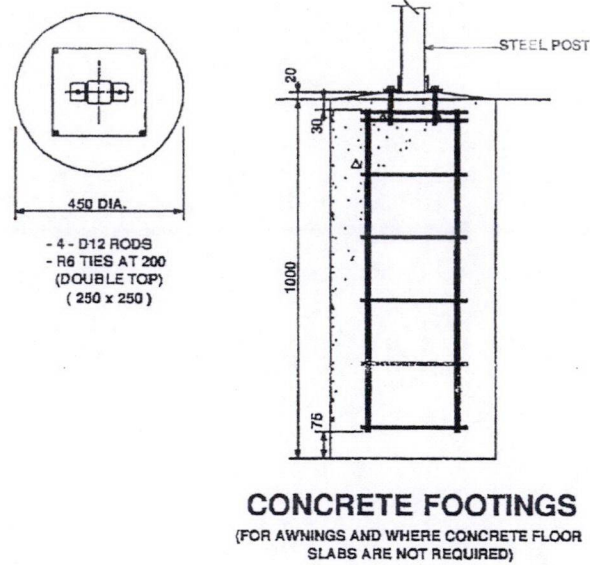
SCALE:
A3 1:100

Heritage Barn

Foundations

Sheet 15 of 15

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Council
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POST HOLD DOWN DETAILS 1:10

FREDERICK R SMITH
Chartered Consulting Engineer
504 Blenheim Road
Christchurch, NZ
Phone +64 03 348 1521

I certify that buildings erected in accordance
with these drawings will comply with the New
Zealand Building Code.

F R Smith
BE (civil) MIPENZ MACENZ MIEAust
CPEng RPEQ (6225)

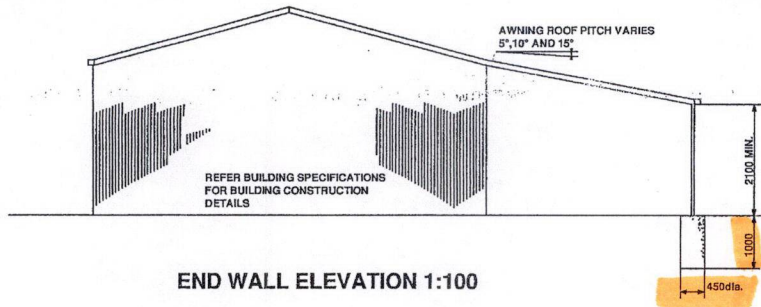
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P.O. Box 11-013, Christchurch
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STEEL FRAMED BUILDINGS
REGION A8, A7 (High),
W (Very High)
REGIONAL WIND SPEED
V=45 m/s and 50m/s T.C.2

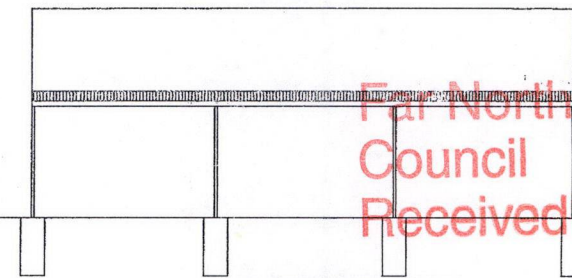
4.0m, 5.0M & 6.0M SPAN
**AWNINGS -
FOUNDATION DETAILS**

JOB No. TS4565-NZL
DRAWING No. 4A/5A/6A/E
REVISION SUFFIX

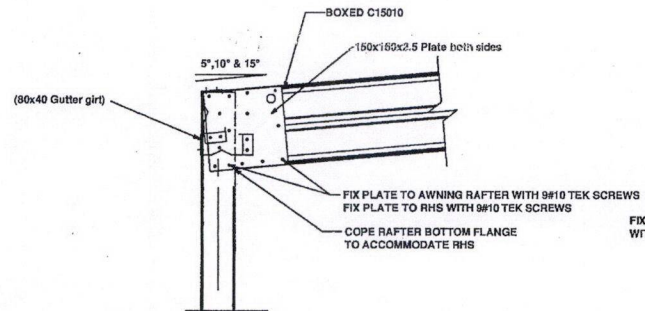
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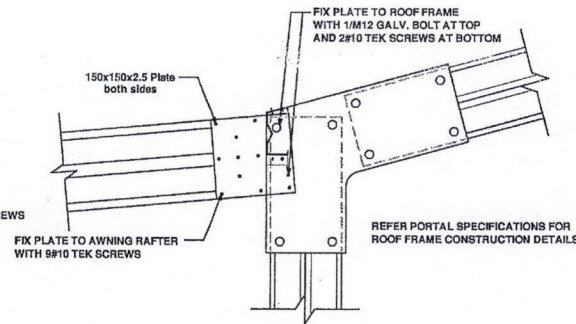
END WALL ELEVATION 1:100



SIDE WALL ELEVATION
(NOT TO SCALE)
3M, 3.5M & 4M BAY SPACINGS



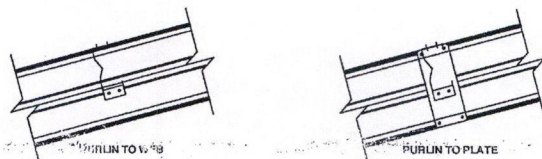
POST CONNECTION 1:10



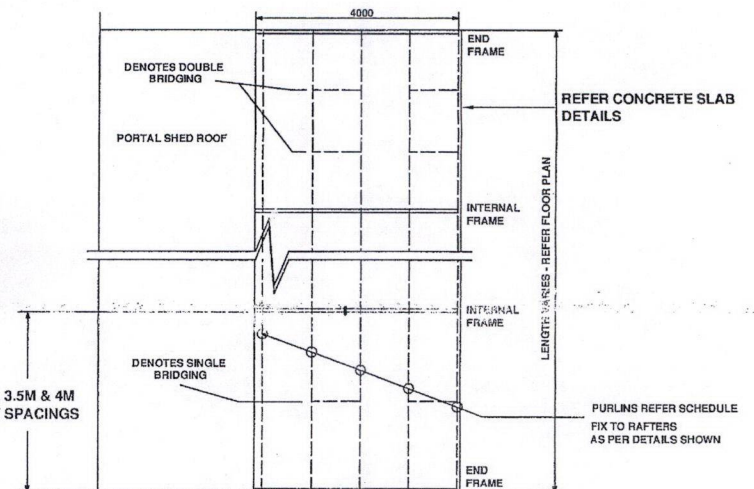
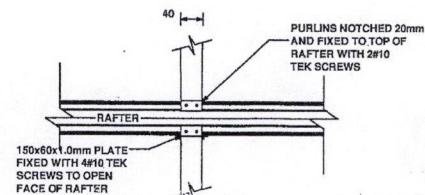
ROOF FRAME CONNECTION 1:10

BAY SIZE	PURLIN DETAIL	ROWS
3.0M BAY	C80x40 - DOUBLE BRIDGING	5
3.5M BAY	B80x40	5
4M BAY	B80x40 - SINGLE BRIDGING	5

PURLIN SCHEDULE



TYPICAL PURLIN TO
RAFTER DETAILS



AWNING ROOF LAYOUT
(NOT TO SCALE)

FREDERICK R SMITH
Chartered Consulting Engineer
504 Blenheim Road
Christchurch, NZ
Phone +64 03 348 1521

I certify that buildings erected in accordance
with these drawings will comply with the New
Zealand Building Code.

F R Smith
BE (civil) MIPENZ MACENZ MIEAust
CPEng RPEQ (6225)

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STEEL FRAMED BUILDING
REGION A6, A7 (High)
REGIONAL WIND SPEED
V=45 m/s T.C.2

4.0m SPAN AWNINGS

JOB No.
TS1040
DRAWING No.
4A/S45/1
REVISION SUFFIX

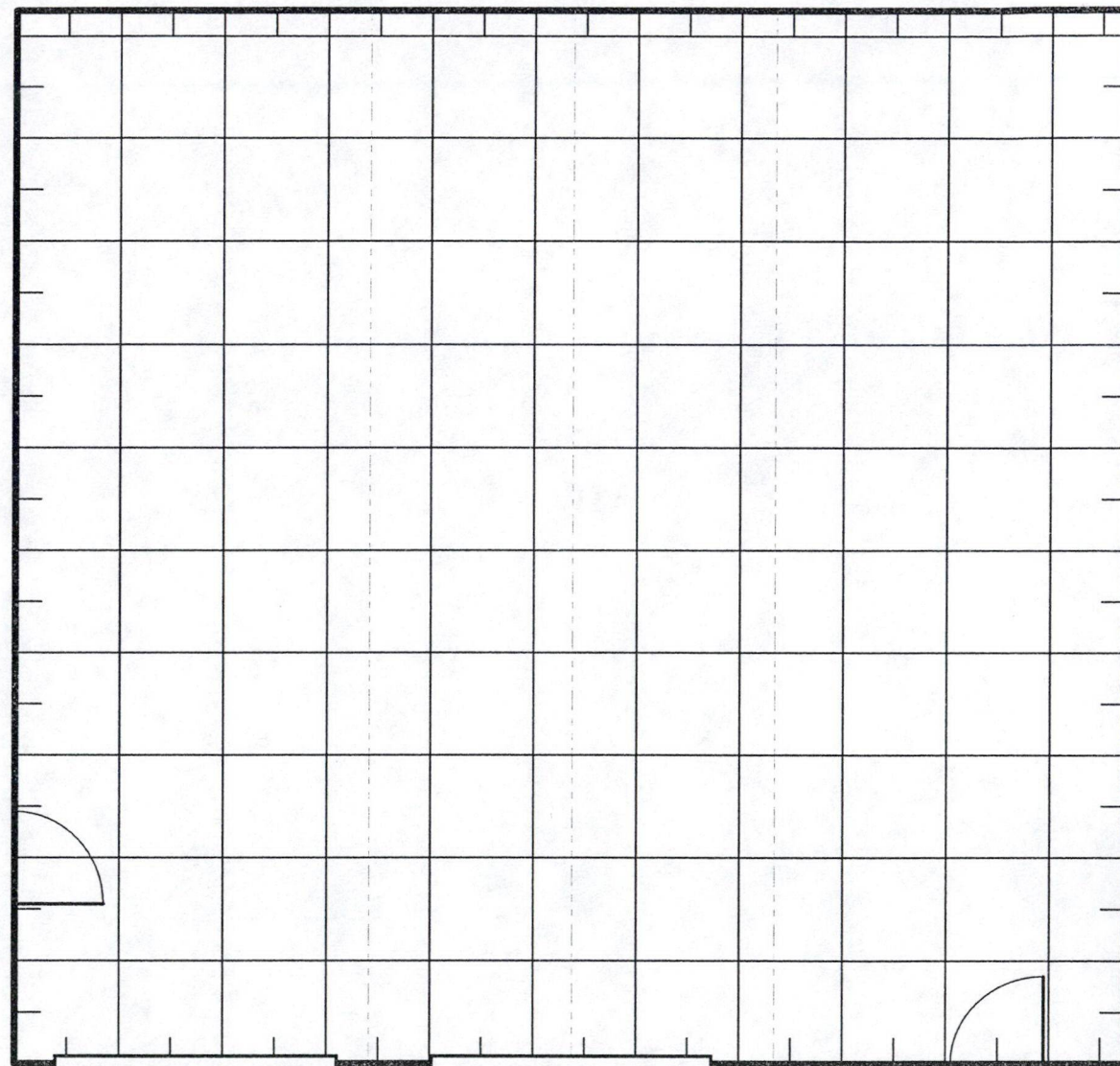
DIMENSIONS IN mm UNLESS OTHERWISE STATED

THIS IS A C.A.D. DRAWING AND MUST NOT BE ALTERED BY MANUAL METHODS

Far North District
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Building Width (gable) 10754

Rear Elevation



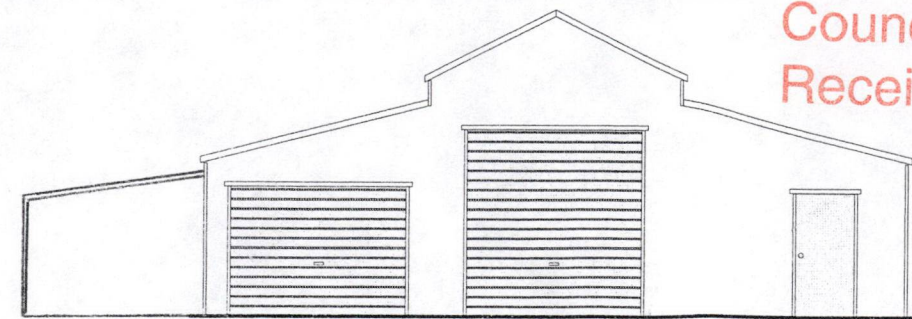
Roller Door
2100Hx2715W S1

Roller Door
3000Hx2715W S1

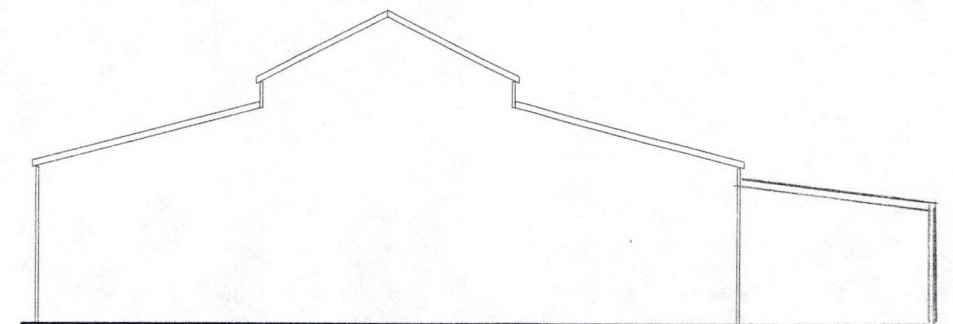
PA Door

Front Elevation

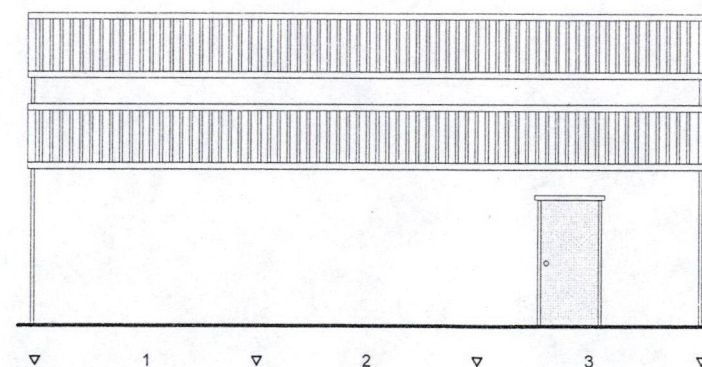
Downpipes Front Wall



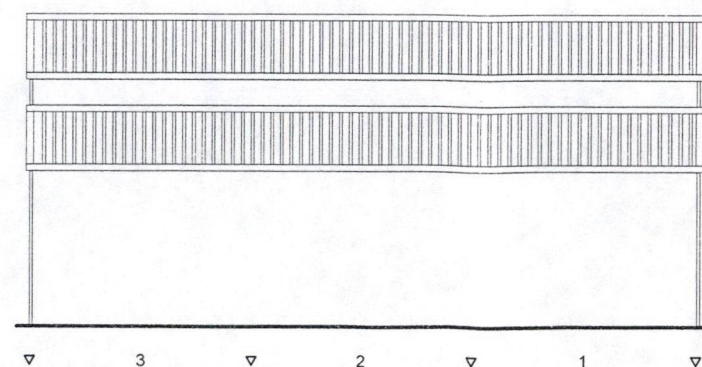
Front Elevation



Rear Elevation



Left Elevation



Right Elevation

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PH: (09) 261 2306 FAX: (09) 262 1535

PREPARED BY: Brian Smiih, Far North - Kaitaia, 09 408 2166

FOR: Mr. Hans Ording

REFERENCE: brian-1766

SITE ADDRESS: 2674 State Highway 10
Mangonui

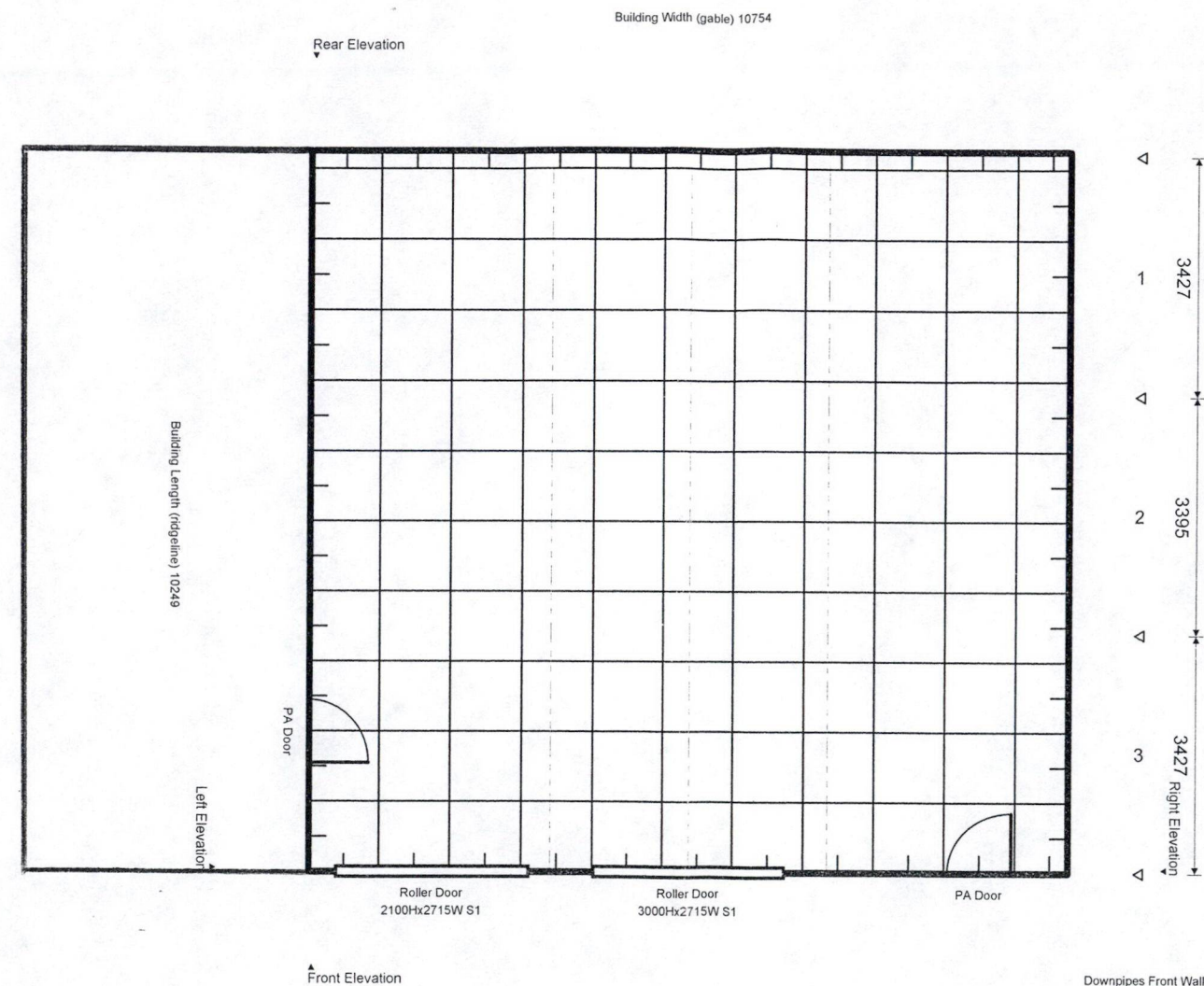
N.T.S

PLAN & ELEVATIONS

Sheet 2 of 7

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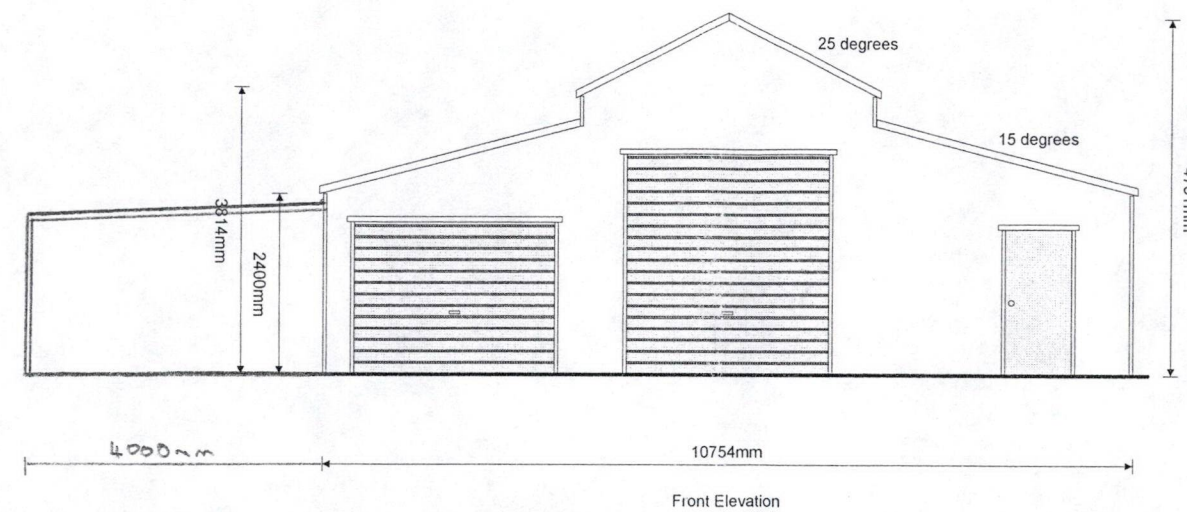
SITE ADDRESS: 2674 State Highway 10
Mangonui

Scale 1 : 100

PLAN

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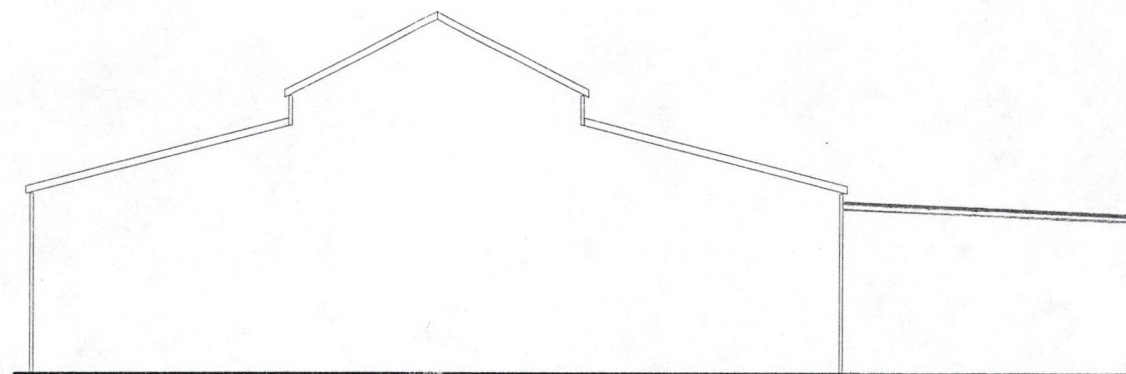
SITE ADDRESS: 2674 State Highway 10
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Scale 1 : 100

FRONT ELEVATION

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Rear Elevation

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REFERENCE: brian-1766

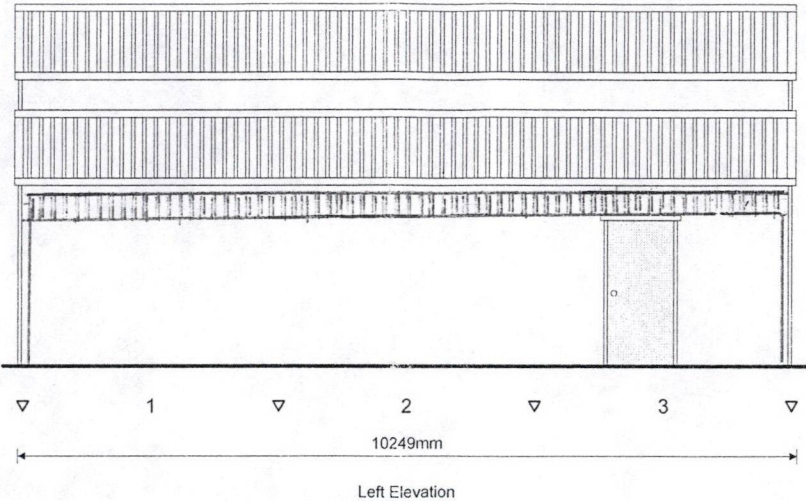
SITE ADDRESS: 2674 State Highway 10
Mangonui

Scale 1 : 100

REAR ELEVATION

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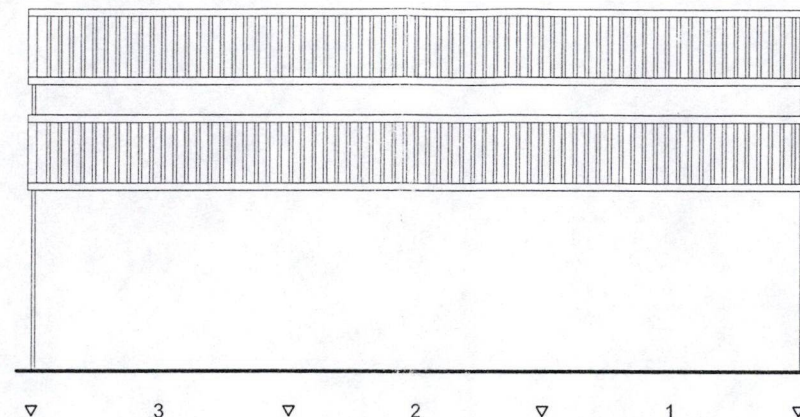
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112 Waterloo Road, Hornby,
P.O.Box 11-013, Christchurch
PH: (09) 261 2306 FAX: (09) 262 1535

PREPARED BY: Brian Smiih, Far North - Kaitaia, 09 408 2166
FOR: Mr. Hans Ording
REFERENCE: brian-1766

SITE ADDRESS: 2674 State Highway 10
Mangonui

Scale 1 : 100
LEFT ELEVATION
Sheet 6 of 7

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Right Elevation

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PREPARED BY: Brian Smiih, Far North - Kaitaia, 09 408 2166

FOR: Mr. Hans Ording

REFERENCE: brian-1766

SITE ADDRESS: 2674 State Highway 10
Mangonui

Scale 1 : 100

RIGHT ELEVATION

Sheet 7 of 7

SCANNED

2010-1297

APPROVED PIM/BC 2010-1297
 Date 20.5.2010
 Signed *A. Higgins*
 FAR NORTH DISTRICT COUNCIL

North District
 Council
 Received

Council

Memorandum of Easements			
Purpose	Shown	Servient Tenement	Dominant Tenement
Row. Elect. Pwr. Telecomm. caviation	(A)	Lot 1.	Lot 2.

APPROVED PLAN

PLANNER *W. S. S. S.*

RC 2080936 Date 19/09/08

State Highway No 10

Legal Road (Sealed) (20.12 & 0.41)

Lot 2
 1.8512ha

DP 386422

Sec 1
 3495m²
 (Proposed Road Stopping)

DP 179592
 (RC 2070909)
 64 Foster & PAM Holdings

Road (Not Formed)
 Legal Road

This plan and accompanying report have been prepared for the purpose of obtaining a Resource Consent only and for no other purpose. The plan and report are not to be used for any other purpose without the written consent of the planner.

10 Oct. 2008-11:58
 10/10/2009 14:14
 FROM
 FMC JB Centre 09 407 0419
 No. 0925
 P. 04/04

FAR NORTH DISTRICT COUNCIL

CONSENT No: 2010-1297/0

Date PIM Checked: 4/5/10

Signed: *MKE*

Date BC Checked: 20.5.2010

Signed: *A. Higgins*

CONDITIONS APPLICABLE TO THIS CONSENT

- ☒ General conditions
- ☐ Form 4a - RC required
- ☐ Sec 72 required
- ☐ Sec 75 required

Proposed Subdivision of Lot 1 DP 77059

FOR STUNNERS
 Multi-Task Land Services, Planning &
 1 and Development Consultants
 17 Commercial St
 PO Box 100
 Auckland 1142

1250/A3
 1760

TOTAL P.04