

529

BUILDING CONSENT

109440A

PROPERTY ID

107901

 **109440A**



Te Kaunihera-ā-Rohe o Ngāmotu

NEW PLYMOUTH DISTRICT COUNCIL

newplymouthnz.com

Code Compliance Certificate

Form 7, Section 95, Building Act 2004

The Building

Street Address of building: 253 Lower Pitone Road OKATO 4652

Legal Description of land where building is located: Lot 1 DP 411680 Lot 5 DP 411680

Current, lawfully established use: Totalspan Storage Shed

Year first constructed: 2010

The Owner

Name of owner: Christopher DOMBROSKI,

Phone number: 06-7524410

Sherrie Jean DOMBROSKI, Margaret Mary

(Pvt.) 021645121

Rita JOYCE

Contact Person: TOTALSPAN TARANAKI

Owner Mailing Address: 253 Lower Pitone Rd

RD 4

NEW PLYMOUTH 4374

Building Work

Building Consent number:

BC10/109440

Description of work:

Totalspan Storage Shed

Issued by:

New Plymouth District Council

Code Compliance

The building consent authority named below is satisfied, on reasonable grounds, that –

(a) the building work complies with the building consent.

This is a final code compliance certificate issued in respect of all of the building work under the above building consent.

CODE COMPLIANCE CERTIFICATE

Team Leader Inspectorate

Date Issued: 4 May 2012

CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO STARTING • ALL DIMENSIONS IN MM UNLESS STATED

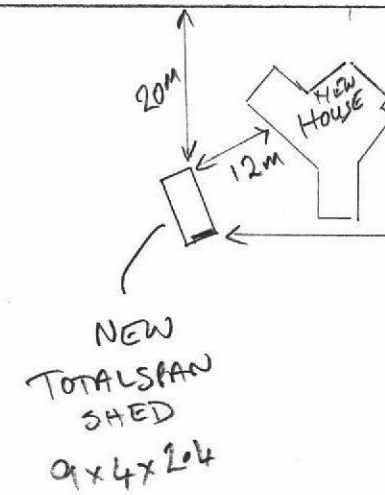
NPDC OFFICE COPY

This Building Consent is approved under the Building Act and is limited to new work only as shown on these plans and related specifications

Approved: *S.N.* Date: *15/4/10*

BC10/109440

14/4/10



NORTHERN BOUNDARY

220m

LWR Pitone Rd.

Proposed Boundary

NPDC Approved
15 APR 2010

SITE DETAILS

LOT: *1*
DP: *411680*
CT:

Site m² =
Existing Building m² =
Proposed Building m² =
% of Building Coverage =



Who Can? TOTALSPAN!

PHONE:

0800 TOTALSPAN
0800 868 857

BUILDING PROPOSED FOR:

CHRIS + SHERRIE DOMBROSKI
253 Lower Pitone.

DRAWING TITLE:

SITE PLAN

NOTES:

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SCALE: *1:*
DRAWN: FILE:

SHEET: *1*
OF:



GARAGES • SHEDS • CARPORTS

Engineered By:

F R Smith Consultant

consulting engineer, civil - structural

**Producer Statement
Structural Details**

CLIENT:

Mr. Chris Dombroski
253 Lwr Pitone Road
RD 4
New Plymouth 4374

BUILDING:

Size & Stud Height: 8.839m long x 3.964m wide, with 2.400m stud height, Bay Size 3.000m
Wind Zone: VERY HIGH (W)
Area: 35.038m²

Steel Framed Enclosed Buildings

NIDC Approved
5 APR 2010

NOTES

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Producer Statement: F.R. Smith Consultants - Design
Producer Statement: Versatile Buildings/BHP - Durability
Specifications - Building Components
Site Plan
Building Elevations
Foundation Details
Section - End Wall
Building Details
Roof Plans
Flashing Details
Bracing Reference

I certify that buildings erected in accordance with these drawings will conform to the requirements of the New Zealand and Australian Building Codes.

F R Smith BE (civil) MIPENZ, MACENZ, MEIAust, no. 2410880, Cp.Eng. RPEQ (6225)



Building Code Clause(s) B1

PRODUCER STATEMENT – PS1 – DESIGN

(Guidance notes on the use of this form are printed on the reverse side)

ISSUED BY: Frederick R Smith Consulting
(Design Firm)

TO: Mr. Chris Dombroski / Totalspan Buildings
(Owner/Developer)

TO BE SUPPLIED TO: New Plymouth District Council
(Building Consent Authority)

IN RESPECT OF: Portal Building
(Description of Building Work)

AT: 253 Lwr Pitone Road, RD 4, New Plymouth 4374, / Very High (W) - T.C.2 Rural
(Address)

LOT DP SO

We have been engaged by the owner/developer referred to above to provide structural design

services in respect of the requirements of Clause(s) B1 and B2 of the Building Code for

☒ All or ☐ Part only (as specified in the attachment to this statement), of the proposed building work.

The design carried out by us has been prepared in accordance with:

☒ Compliance Documents issued by Department of Building & Housing B1/VM1, B1/VM4, AS/NZS 1170:2002
(verification method / acceptable solution)

NZS 3101, AS/NZS 4600 or

☐ Alternative solution as per the attached schedule

The proposed building work covered by this producer statement is described on the drawings titled Portal Building

and numbered 1:12

together with the specification, and other documents set out in the schedule attached to this statement.

On behalf of the Design Firm, and subject to:

- (i) Site verification of the following design assumptions: Soil bearing strength to be not less than 75 kPa
(Ultimate capacity of 225 kPa to NZS 3604:1999)
- (ii) All proprietary products meeting their performance specification requirements;

I believe on reasonable grounds the building, if constructed in accordance with the drawings, specifications, and other documents provided or listed in the attached schedule, will comply with the relevant provisions of the Building Code.

I, Frederick R Smith am: ☒ CPEng 34469 #
(Name of Design Professional)

☐ Reg Arch #

I am a Member of: ☒ IPENZ ☐ NZIA and hold the following qualifications: BE (Civil)

The Design Firm issuing this statement holds a current policy of Professional Indemnity Insurance no less than \$200,000.

The Design Firm is a member of ACENZ ☒ YES ☐ NO

SIGNED BY: Frederick Roland Smith ON BEHALF OF Frederick Smith Consulting Engineers
(Design Firm)

Date 7-10-2009 (signature)

Note: This statement shall only be relied upon by the Building Consent Authority named above. Liability under this statement accrues to the Design Firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the Building Consent Authority in relation to this building work, whether in contract, tort or otherwise (including negligence), is limited to the sum of \$200,000.

This form is to accompany Form 2 of the Building (Forms) Regulations 2004 for the application of a Building Consent.

PRODUCER STATEMENT PS1

THIS FORM AND ITS CONDITIONS ARE COPYRIGHT TO ACENZ, IPENZ AND NZIA

May 2007

NPDC Approved
15 APR 2010

MANUFACTURERS STATEMENT - DURABILITY

Cladding

To satisfy the requirements of Clause B2 "Durability" of the NZBC and to ensure the cladding material meets a 15-year durability life the following provisions must apply:

Cladding Range of Product and Use

- Coating Type: Zinc/Aluminium & Painted (Coloured Steel).
- Steel thickness range: 0.35mm - 0.55mm BMT
- Steel grade range: G300 - G550
- Application: Standard Totalspan Roof and Wall Cladding
- Profile: Totalspan 7 Rib, Totalspan 6 Rib

Requirements, Limitations and Exclusions

- Fixing and installation of the cladding must be done exactly in accordance with Totalspan Buildings instructions and specifications.
- Normal and regular maintenance must be carried out on the exterior surface of the cladding and the following guide must be followed to ensure the durability requirements are met.

Regular Maintenance

- Normal Maintenance to be completed in accordance with Durability - Acceptable Solution B2/AS 2.1.3
- Corrosion Zones 1, 2, 3, 4. (*Reference NZS 3604:1999 Corrosion Zone Figure 4.1)
Rain-washing only required on *exposed (open to airborne salts and rain wetting)* material. *Sheltered (open to airborne salts, but not rain washed)* or protected areas such as under spouting, top-cladding sheets and tops of doors require washing every 3 months
- Sea Spray Zones (Within 500m from the sea or 100m from sheltered harbours or inlets - *Reference NZS 3604:1999 4.2.3) and areas of Geothermal Activity (*Reference NZS 3604:1999 4.2.4).
Rain-washing only required on *exposed (open to airborne salts and rain wetting)* areas. *Sheltered (open to airborne salts, but not rain washed)* and protected areas such as under spouting, top cladding and tops of doors require washing down every month and whenever corrosive salts are present.

Extended Maintenance, Painting or Repainting

- Extended Durability
Once the metallic coating or the paint system has weathered away, signs of red rust for bare material or signs of the metallic coating for painted material, painting of the entire surface is required to extend the life of the cladding product. Paint manufacturers recommendations are to be followed for surface preparation and paint type to be used
- Evident Corrosion
Areas that show signs of white or red rust/corrosion (typically in unwashed areas) require cleaning back with a stiff brush and cleaner to remove all dust, surface contaminants and corrosion products and present a sound substrate for painting. Priming of the surface and application of two coats of paint as per the Paint Manufacturer's recommendations is then required
Particular attention needs to be paid to laps (side, end, flashing etc) where earlier corrosion may start due to moisture and dirt entrapment.
If evident corrosion is not treated quickly rapid deterioration of the sheet may occur which could result in perforation. At this stage replacement of the affected sheet is the best option.

Steel Framing

To satisfy the requirements of Clause B2 "Durability" of the NZBC and to ensure the structural framing material meets a 50-year durability life the following provisions must apply:

Steel Framing Range of Product and Use

- Coating Type: Galvanised
- Steel thickness range: 0.75mm - 2.4mm BMT
- Steel grade range: G450 - G550
- Application: Standard Totalspan Purlins, Girts, Portal Frames, Door Jambs, Wall Uprights, Bridging
- Profile: C Sections - 80x40, 150x64, 220x64, 250x85
Z Sections - 100x53, 150x65
Tophat Sections - 100x163, 120x170, 150x183

Regular Maintenance

- Normal Maintenance to be completed in accordance with Durability - Acceptable Solution B2/AS 2.1.3
- Corrosion Zones 1, 2, 3, 4. (*Reference NZS 3604:1999 Corrosion Zone Figure 4.1)
Rain-washing only required on *exposed (open to airborne salts and rain wetting)* material. *Sheltered (open to airborne salts, but not rain washed)* or protected areas such as under spouting, top-cladding sheets and tops of doors require washing every 3 months
- Sea Spray Zones (Within 500m from the sea or 100m from sheltered harbours or inlets - *Reference NZS 3604:1999 4.2.3) and areas of Geothermal Activity (*Reference NZS 3604:1999 4.2.4).
Rain-washing only required on *exposed (open to airborne salts and rain wetting)* areas. *Sheltered (open to airborne salts, but not rain washed)* and protected areas such as under spouting, top cladding and tops of doors require washing down every month and whenever corrosive salts are present.

References

1. NZBC - Compliance Document - Clause B2 - Durability
2. NZS 3604, Clause 4, Durability*

* - Totalspan Buildings acknowledges and understands that NZS 3604 is a Timber Framed Building standard Totalspan Buildings has used NZS 3604 as a reference only to identify Corrosion Zones, Sea Spray Zones and areas of Geothermal activity

NPD Approved
15 APR 2010

Building Tables

Zoned:	T.C.2 Rural	Wind Region:	Region W (V.High)
Wind Zone:	Very High (W)		
Bay Size:	3.0m		
Live Roof Load:	0.25 kpa		
Roof Snow Load:	0.86kpa		
Inner Purlins:	B80x40	Row Numbers:	6
Ridge & Gutter Purlins:	C80x40	End Wall:	3
Girts:	B80x40		
End Wall Post - On Edge:	B80x40		
Roof Frames - Portals:	C15010		

GENERAL

- 1 - All work shall conform to the New Zealand Building Code.
- 2 - Check diagonals to ensure building is square.

LOADINGS

- 1 - Buildings are designed to AS/NZS 1170 for NZS 3604 HIGH and VERY HIGH. Design Wind Speeds to limit state levels of 45 and 50m/s, T.C.2 roof live load of 0.25kPa, and basic Roof Snow loads of 0.86kPa. Heavier snow loads will be a specific design as will buildings used for habitable purposes.
- 2 - The roofing is not designed for point loads of 1 Kn.

FOUNDATIONS

- 1 - Support ground to have a safe bearing capacity of at least 75 kPa. In weaker ground building loads to be taken to subsoil which has a bearing capacity of at least 75 kPa.

CONCRETE

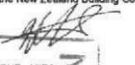
- 1 - Remove vegetation, 60mm of top soil and loose material from the site of the building, backfill with compacted hardfill, if required, and lay a blinding of sand to the underside of the concrete slab. Ensure the surface of the slab will be at least 100mm above the highest level of cleared ground around the slab.
- 2 - Concrete shall have a maximum aggregate size of 20mm, slump of 80mm maximum and a 20 MPa compression strength at 28 days.
- 3 - The concrete floor slab shall be 100mm thick with a 200 x 200 mm edge thickening and a D16 rod continuous around the perimeter of the slab with 600 laps and 75 bottom cover.
- 4 - Concrete slab to be reinforced with 668 mesh placed 30mm maximum below the slab surface with 225mm laps.
- 5 - Provide a 0.25mm black polythene dampproof and slip layer under the slab taped with 100mm laps (optional but recommended).
- 6 - Fix roof frames to concrete with M10 zinc screwbolts screwed into holes drilled in the slab.

STEELWORK

- 1 - All structural framing members shall be G550-1.0mm BMT, G500-1.2mm BMT, G450-1.5mm, 1.9mm BMT grade steel galvanised to Z200 (G550 for 80 x 40 boxed and single channels). Cleats to be G450, Z200.
- 2 - Purlins and girts shall be 80 x 40 x 0.75 B.M.T. lipped, crimped channel located at centres shown on the drawings.
- 3 - Boxed members to be flange fixed with #10 Tek screws at 600 centres.
- 4 - Screws to be #10 x 16mm long Tek screws Class 3 zinc plated, fixed at a minimum edge distance of 6mm and to a 12mm minimum pitch.
- 5 - Girts to be connected with 2 #10 Tek screws each side of girt.
- 6 - Steelwork shall conform to:
 - NZ/AS 4600 Cold Formed Steel Structures Code
 - NZ/AS 1397:1993
 - AS 1562:1962 Design and Installation of Metal Roofing
 - AS 1111/1112 Hex Commercial Bolts and Screws
 - AS 3566 Self Drilling Screws for Building

CLADDING

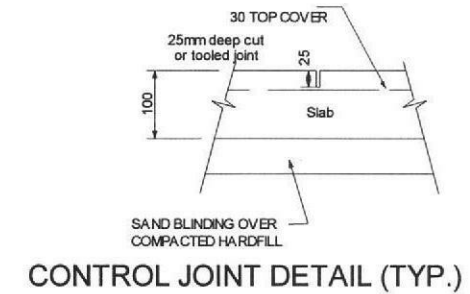
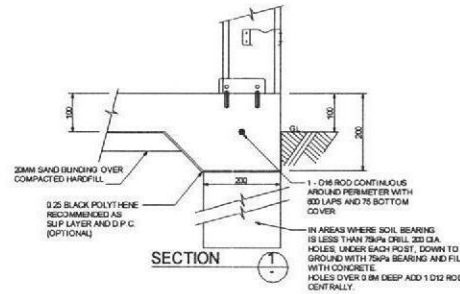
- 1 - Roof and wall sheeting shall be 0.35 B.M.T., G550 grade steel zincaluminated to AZ150 and rolled to profile as detailed.
- 2 - Roof sheets shall be fixed to ridge and eaves purlins with a Tek screw at every rib, as shown, tekscrew to alternative ribs at intermediate fixings, all complete with neoprene washers tightened firmly but not to form depressions in the roof cladding. Ensure all roof fixings are waterproof.
- 3 - Wall sheeting shall be fixed to the eave purlins and to the rafters of the end wall frames with a Tek screw at third points of each pan and to third points of alternate pans at other girts and fixings.
- 4 - Ridges, gables and all penetrations to be flashed with similar sheet steel.
- 5 - Guttering to be fixed with Tek screws and joint sealed with silicone. Fit downpipes to guttering to discharge to an approved stormwater drainage system, provided by the Owner.
- 6 - Frame for personnel door and windows with 80 x 40 x 0.75 unlippped channels. Flange connect members with 2 screws to each flange Fix jambs to floor with 40x40x1.2 angle cleat having 1/M10 screwbolt to concrete and 2 Tek screws to jamb.

FREDERICK R SMITH chartered consulting engineer 363 Wairakei Rd, Burnside Christchurch 8053 Phone 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 MIEA CPENG RPEQ (6225)	 A Division of VERSATILE BUILDINGS LTD 112 WATERLOO ROAD, HORNBY P.O. BOX 11-013, CHRISTCHURCH PH: (09) 261 2306 FAX: (09) 262 1535	Drawing Title: PORTAL BUILDING SPECIFICATIONS	For: Mr. Chris Dombroski 253 Lwr Pitone Road RD 4 New Plymouth 4374
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NPDC Approved
 15 APR 2010

SCREWBOLT NOTE

- 1 EMBEDMENT DEPTH OF SCREW BOLTS= 70mm
- 2 SCREWBOLTS SHALL BE M10/75 ZINC PLATED IN 10DIA. HOLES 80 DEEP.

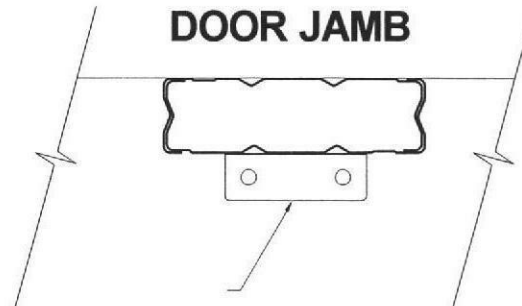


CONCRETE SLAB NOTE:

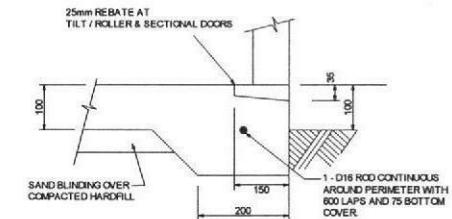
Concrete slabs to have construction joints keyed during placing or cut in panels not exceeding the following dimensions:

Unreinforced 3m x 3.9m
 Fibre reinforced 4m x 6m (Fibre dosage 0.7kg/cu.m)
 Mesh reinforcement 6m x 12m (668 mesh, 225 laps, 30mm top cover)
 For slabs 15m to 30m long, form keyed joints at mid length of floors. For slabs over 30m long keyed joints to be at a maximum of 15m centres.

BOXED C220 DOOR JAMB



40X40X1.2 ANGLE 120 LONG WITH
 8#10 TEKS OR 2/M10 BOLTS TO POST
 & 2/M10 SCREWBOLTS TO CONCRETE.



P.A. DOOR & GARAGE ENTRY
 SLAB EDGE DETAIL (TYP.)

FREDERICK R SMITH
 chartered consulting engineer

363 Wairakei Rd, Burnside
 Christchurch 8053
 Phone 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 MIAust
 CPENG RPEQ (6226)

TOTALSPAN

A Division of VERSATILE BUILDINGS LTD
 112 WATERLOO ROAD, HORNBY
 P.O. BOX 11-013, CHRISTCHURCH
 PH: (09) 261 2306 FAX: (09) 262 1535

Drawing Title:

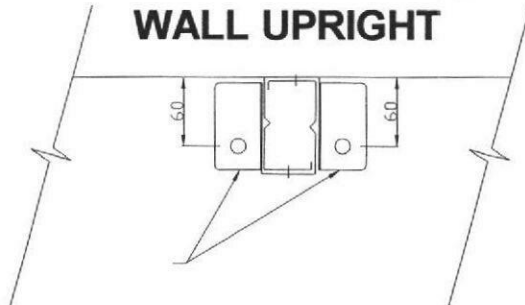
PORTAL BUILDING
 FOUNDATION DETAILS

For: Mr. Chris Dombroski
 253 Lwr Pitone Road
 RD 4
 New Plymouth 4374

15 APR 2010

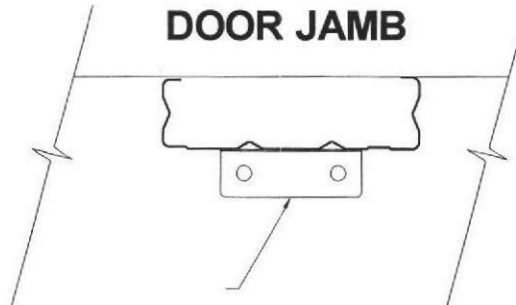
NDPC Approved

BOXED C80x40 END WALL UPRIGHT



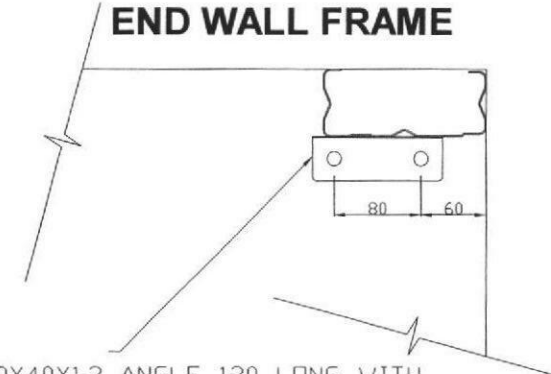
40X40X1 ANGLE 75 LONG WITH
4#10 TEKS OR 2/M10 BOLTS TO POST
& 1/M10 SCREWBOLTS TO CONCRETE.

SINGLE C220 DOOR JAMB



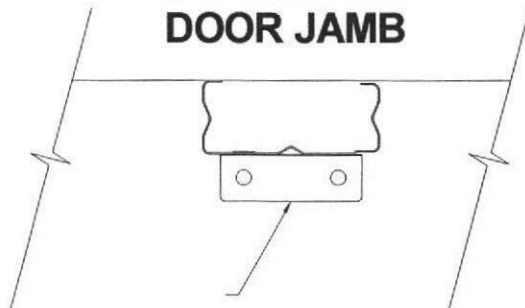
40X40X1.2 ANGLE 120 LONG WITH
8#10 TEKS OR 2/M10 BOLTS TO POST
& 2/M10 SCREWBOLTS TO CONCRETE.

C150 END WALL FRAME



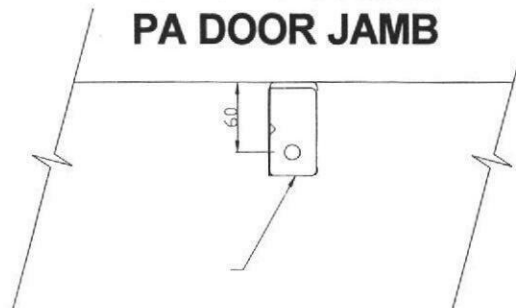
40X40X1.2 ANGLE 120 LONG WITH
8#10 TEKS OR 2/M10 BOLTS TO POST
& 2/M10 SCREWBOLTS TO CONCRETE.

SINGLE C150 DOOR JAMB



40X40X1.2 ANGLE 120 LONG WITH
8#10 TEKS OR 2/M10 BOLTS TO POST
& 2/M10 SCREWBOLTS TO CONCRETE.

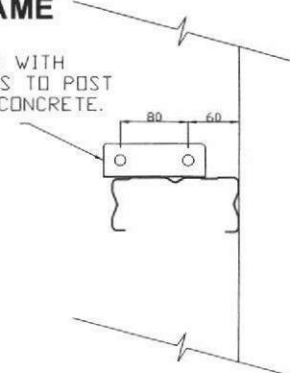
SINGLE C80x40 PA DOOR JAMB



40X40X1 ANGLE 75 LONG WITH
4#10 TEKS OR 1/M10 BOLTS TO POST
& 1/M10 SCREWBOLTS TO CONCRETE.

SINGLE C150 INTERIOR FRAME

40X40X1.2 ANGLE 120 LONG WITH
8#10 TEKS OR 2/M10 BOLTS TO POST
& 2/M10 SCREWBOLTS TO CONCRETE.



FREDERICK R SMITH
chartered consulting engineer
363 Wairakei Rd, Burnside
Christchurch 8053
Phone 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) MPENZ MACENZ
CPEng RPEQ (2226)

5 APR 2010

DC Approver

TOTALSPAN

A Division of VERSATILE BUILDINGS LTD
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Drawing Title:

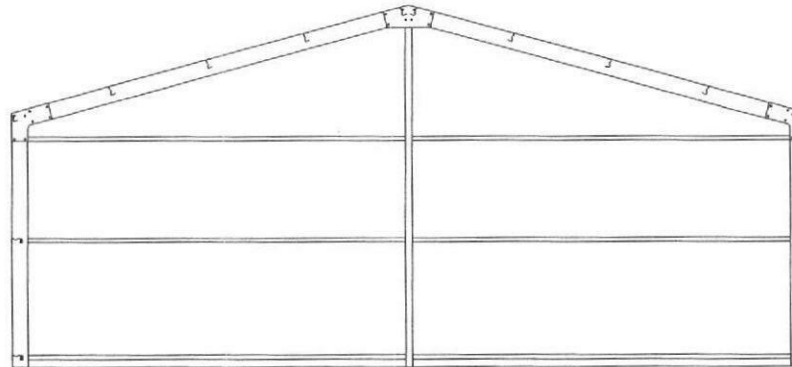
**PORTAL BUILDING
FOUNDATION DETAILS**

For: Mr. Chris Dombroski
253 Lwr Pitone Road
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New Plymouth 4374

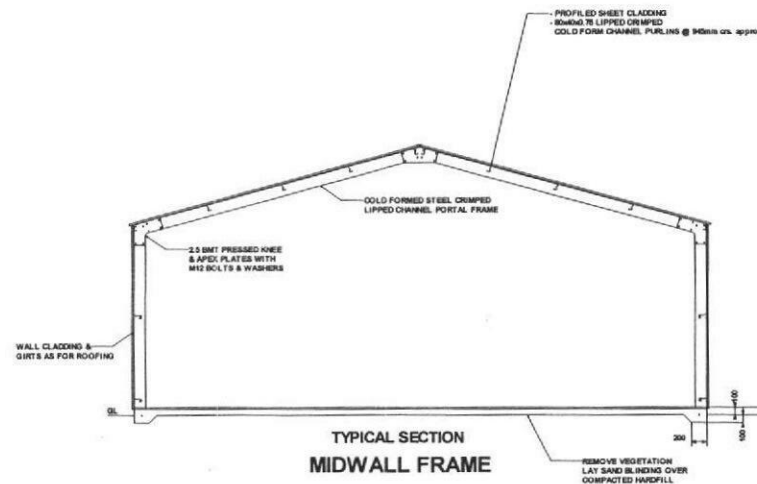
Page 6 of 12

Apex Height (mm): 2932
Wall Height (mm): 2400

Girts Centre Lines mm (above floor level):					
Girts Rows:	1	2	3	4	5
	95	1200	2200	-	-



END WALL FRAME



FREDERICK R SMITH
chartered consulting engineer
363 Wairakei Rd, Burnside
Christchurch 8053
Phone 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 (chd) MIPENZ MACEENZ MIEAust
CPEng RPEQ (6225)

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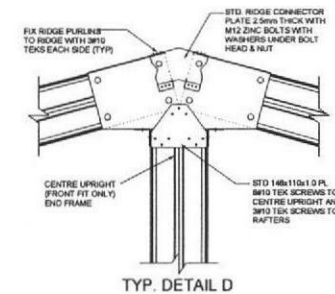
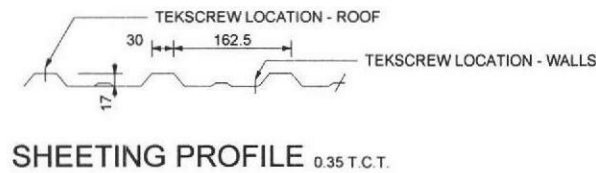
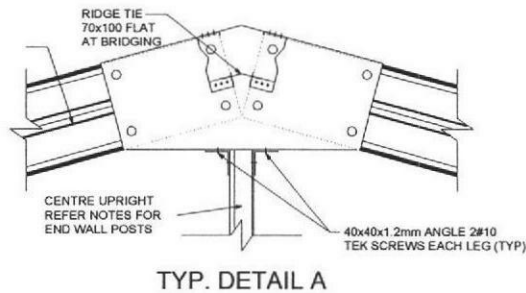
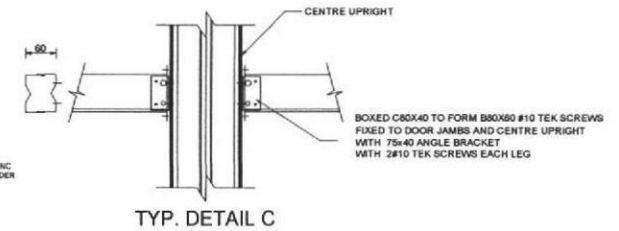
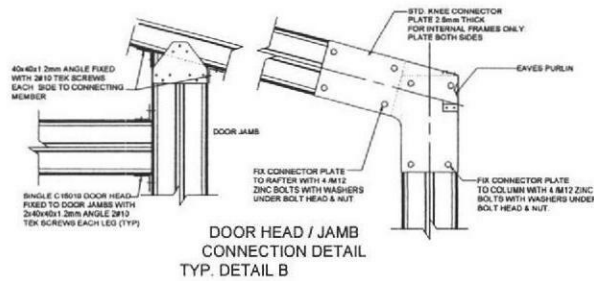
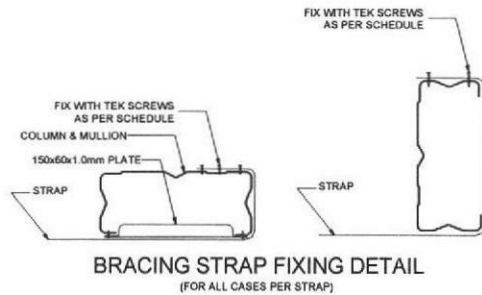
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**PORTAL BUILDING
SECTION - END WALL**

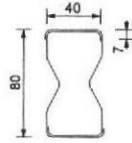
For: Mr. Chris Dombroski
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New Plymouth 4374

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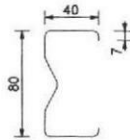


FREDERICK R SMITH chartered consulting engineer 363 Wairakei Rd, Burnside Christchurch, 8053 Phone 03 348 1521	I certify that buildings erected in accordance with these drawings will comply with the New Zealand Building Code. F R Smith BE (civil) MIPENZ MACENZ CPEng RPEQ (6225) MIEAust	TOTALSPAN A Division of VERSATILE BUILDINGS LTD 112 WATERLOO ROAD, HORNBY P.O. BOX 11-013, CHRISTCHURCH PH: (09) 261 2306 FAX: (09) 262 1535	Drawing Title: PORTAL BUILDING BUILDING DETAILS	For: Mr. Chris Dombroski 253 Lwr Pitone Road RD 4 New Plymouth 4374
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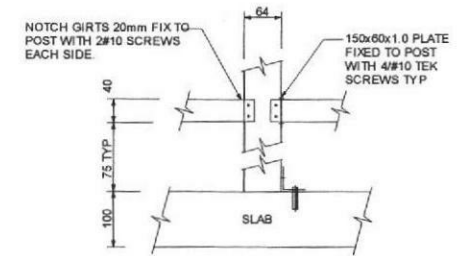
**TYPICAL BOXED CRIMPED
LIPPED CHANNEL
SECTION (EX 0.75 BMT)**

ALL PURLINS AND GIRTS SINGLE UNLESS
NOTED TO BE BOXED.

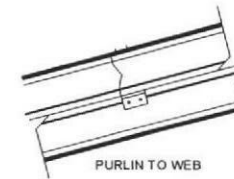


**TYPICAL CRIMPED
LIPPED CHANNEL
SECTION (EX 0.75 BMT)**

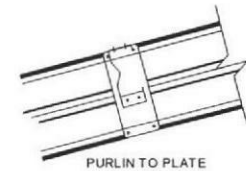
ALL PURLINS AND GIRTS SINGLE UNLESS
NOTED TO BE BOXED.



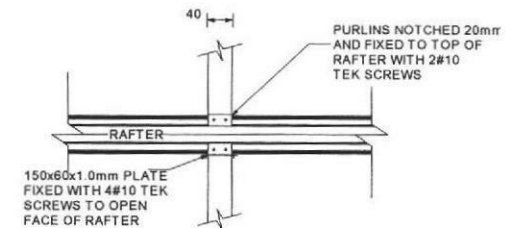
TYP. GIRT TO POST DETAIL



PURLIN TO WEB



PURLIN TO PLATE

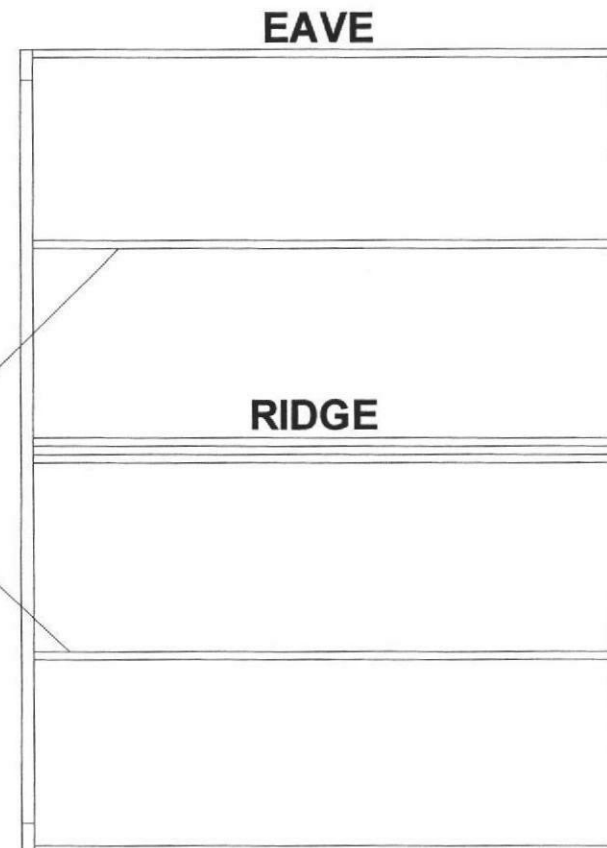


**TYPICAL PURLIN TO
RAFTER DETAILS**

FREDERICK R SMITH chartered consulting engineer 363 Wairakei Rd, Burnside Christchurch, 8053 Phone 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 MARDENZ MIEAust CP Eng RPEQ (8225)	TOTALSPAN A Division of VERSATILE BUILDINGS LTD 112 WATERLOO ROAD, HORNBY P.O. BOX 11-013, CHRISTCHURCH PH: (09) 261 2306 FAX: (09) 262 1535	Drawing Title: PORTAL BUILDING BUILDING DETAILS	For: Mr. Chris Dombroski 253 Lwr Pitone Road RD 4 New Plymouth 4374
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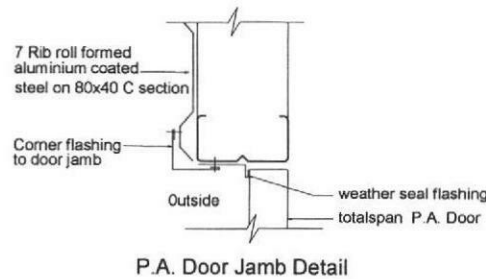
PDCC Approved
 15 APR 2010

PURLINS AT 982MM CENTRES MAX

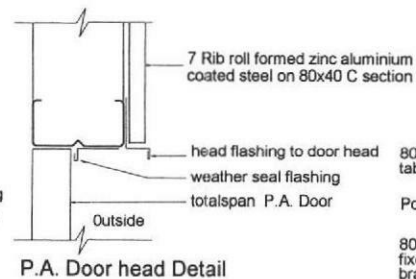


FREDERICK R SMITH chartered consulting engineer 363 Wairakei Rd, Burnside Christchurch 8053 Phone 03 348 1521	I certify that buildings erected in accordance with these drawings will comply with the New Zealand Building Code. F R Smith BE (civil) MIPENZ MARENZ MIEAust CPEng RPEQ (6225)	TOTALSPAN A Division of VERSATILE BUILDINGS LTD 112 WATERLOO ROAD, HORNBY P.O. BOX 11-013, CHRISTCHURCH PH: (09) 261 2306 FAX: (09) 262 1535	Drawing Title: PORTAL FRAME ROOF PLANS	For: Mr Chris Dombroski 253 Lwr Pitone Road RD 4 New Plymouth 4374
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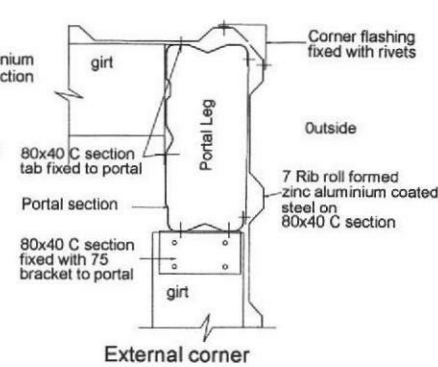
MPDC Approved
15 APR 2010



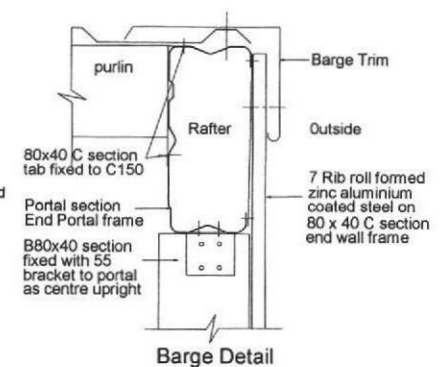
P.A. Door Jamb Detail



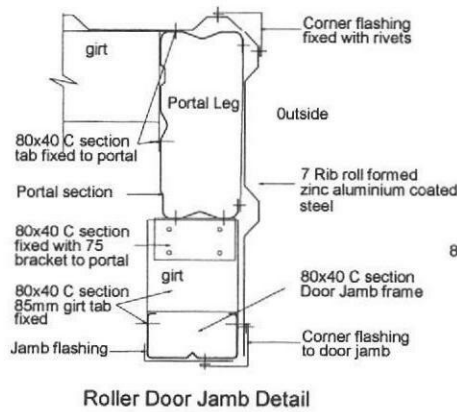
P.A. Door head Detail



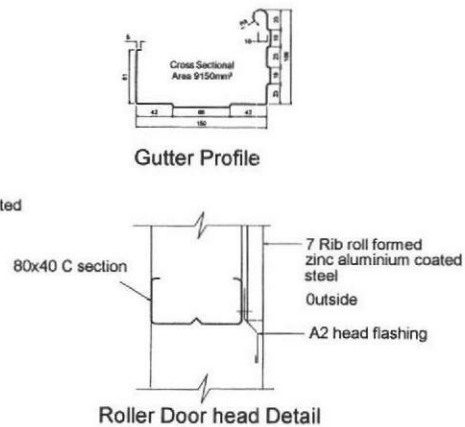
External corner



Barge Detail

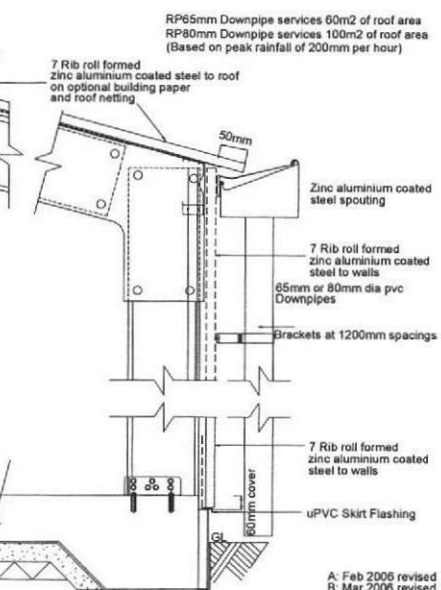
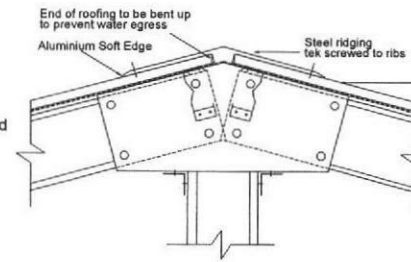


Roller Door Jamb Detail

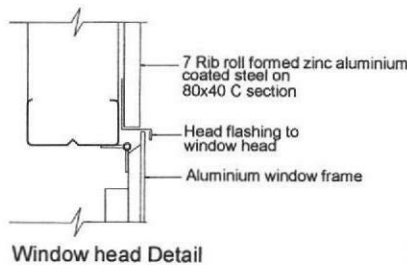


Roller Door head Detail

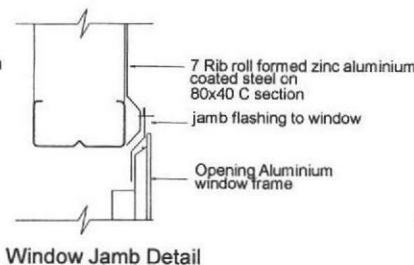
Gutter Profile



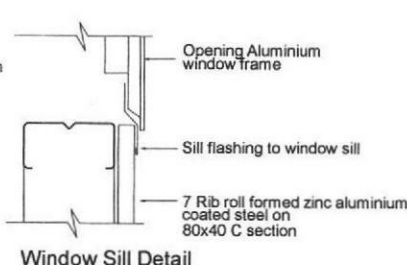
RP65mm Downpipe services 60m2 of roof area
RP80mm Downpipe services 100m2 of roof area
(Based on peak rainfall of 200mm per hour)



Window head Detail



Window Jamb Detail



Window Sill Detail

FREDERICK R SMITH
chartered consulting engineer
363 Wairakei Rd, Burnside
Christchurch 8053
Phone 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 MACEENZ MIEAust
CPeng RPEQ (6225)

TOTALSPAN

A Division of VERSATILE BUILDINGS LTD
112 WATERLOO ROAD, HORNBY
P.O. BOX 11-013, CHRISTCHURCH
PH. (09) 261 2306 FAX: (09) 262 1535

Drawing Title:

**PORTAL BUILDING
FLASHING DETAILS**

Page 11 of 12

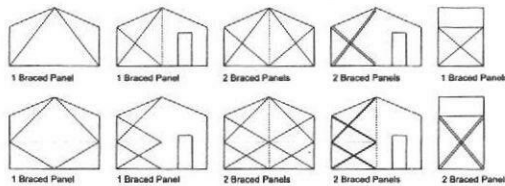
15 APR 2010
NPD Approved

NOTE:

1. Bracing shall be 27X0.6mm G550 steel strap fixed with 4 #10 tek screws each end.

2. BRACING LOCATION GABLE WALLS:

Building 2 to 4 bays long, excluding garaport bays shall have 1 braced panel in either gable wall.
Building 5 bays and longer, excluding garaport bays shall have 1 braced panel in each of the gable walls.
When building is gable entry, bracing can be relocated to the opposite gable wall.



3. BRACING LOCATION SIDE WALLS:

Buildings 2 to 4 bays long shall have 1 braced panel located as close as possible to the gable end wall on each side wall of the building.
Buildings 5 bays and longer excluding garaport bays shall have at least 2 braced panels in each side wall.
There must be 1 braced panel in the first four bays and 1 braced panel in the last four bays, both located as close as possible to the gable end walls and there must be no more than 5 bays between each braced panel.

4. BRACING RELOCATION SIDE WALLS:

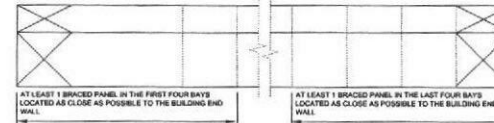
If a braced panel can not be achieved with the above rules, then the conflicting braced panel shall be relocated in the opposite wall side and as close as possible directly opposite the original location.

If 1 or more braced panels are relocated from one side wall to the other, then add 1 braced panel to a gable wall that is closest to the original position of the relocated braced panel.

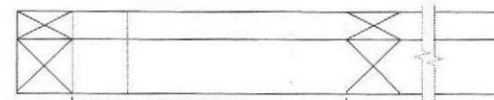
5. ROOF BRACING LOCATION:

Buildings, 2 to 4 bays excluding garaport bays shall have 1 braced panel located in one of the end bays.
Buildings, 5 bays and longer excluding Garaport bays, shall have at least 3 braced panels, 2 located in each end bay and there must be no more than five bays between each braced panel.

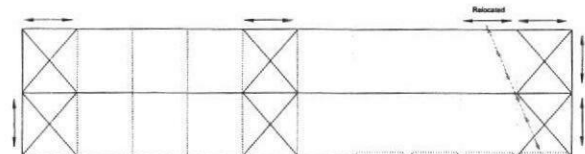
Other configurations of openings shall be specific design.



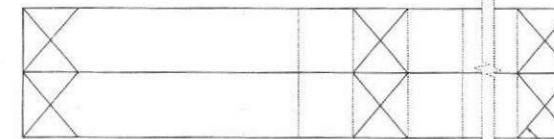
SIDE WALL ELEVATION



SIDE WALL ELEVATION



PLAN VIEW



PLAN VIEW

REFER TO SHEET 1 FOR SINGLE CROSS OR DOUBLE CROSS ROOF BRACING PATTERNS PER BAY PER SIDE.

FREDERICK R SMITH
chartered consulting engineer

363 Wairakei Rd, Burnside
Christchurch 8053
Phone 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 (6226)

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P.O. BOX 11-013, CHRISTCHURCH
PH (09) 261 2306 FAX: (09) 262 1535

Drawing Title:

**PORTAL BUILDING
BRACING - WALLS AND ROOF**

For: Mr. Chris Dombroski
253 Lwr Pione Road
RD 4
New Plymouth 4374

Date Drawn: 23/03/2010

Main Building Length: 8839mm

Main Building Width: 3964mm

Main Building Area: 35.038m²

Stud Height: 2400

Wind Rating: Very High (W)

Bay Size: 3000

Cladding: 7 Rib Cladding Colour: Desert sand

Foundation: Concrete Slab

Notes:

The design has been checked in accordance with B1/VM1, B1/VM4 and B2 of the approved documents issued by the Department of Building and Housing (DHB) and the work is described on drawings prepared by Frederick R Smith, Chartered Professional Engineer.

Durability requirements for wall cladding detailed in Manufacturers Statement-Durability.

This specification is to be read in conjunction with the attached Totalspan Specification drawings and Producer Statement by Frederick R Smith, Chartered Professional Engineer.

Construction to comply with the New Zealand Building Code.

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

PREPARED BY: Greg or Ash, Taranaki, 06 7514154

FOR: Mr Chris Dombroski

REFERENCE: naki-2603

SITE ADDRESS: 253 Lwr Pitone Road
RD 4
New Plymouth 4374

SPECIFICATIONS

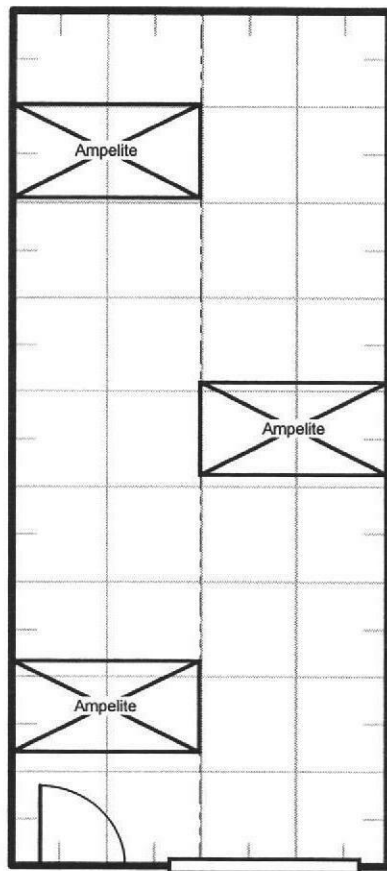
Sheet 1 of 7

DIMENSIONS IN mm UNLESS OTHERWISE STATED
Building Width (gable) 3964

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

Left Elevation

Downpipes Left Wall



Building Length (ridgepole) 8839

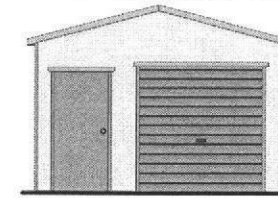
Front Elevation

PA Door

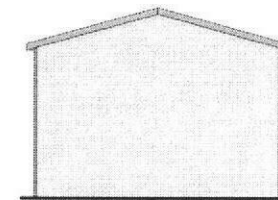
Roller Door
2100Hx2000W S1

Right Elevation

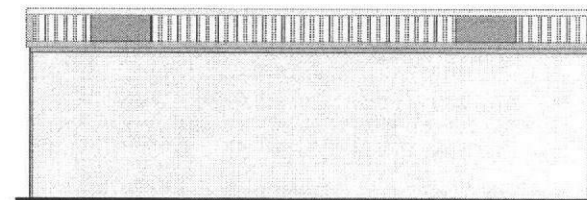
2957
1
2925
2
2957
3
Rear Elevation



Right Elevation

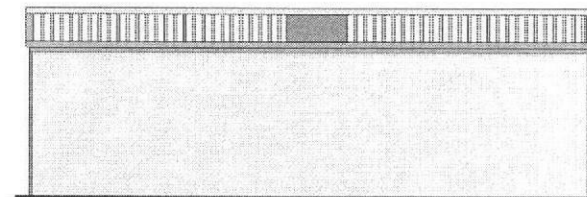


Left Elevation



1 2 3

Front Elevation



3 2 1

Rear Elevation

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FOR: Mr. Chris Dombroski

REFERENCE: nak-2603

SITE ADDRESS: 253 Lwr Pitone Road
RD 4
New Plymouth 4374

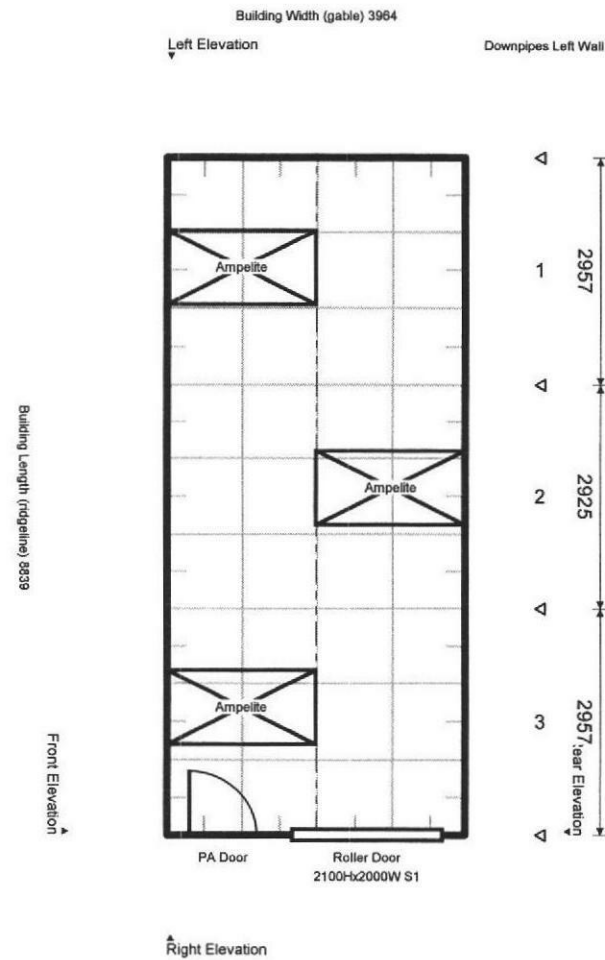
N.T.S

PLAN & ELEVATIONS

Sheet 2 of 7

DIMENSIONS IN mm UNLESS OTHERWISE STATED

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PREPARED BY: Greg or Ash, Taranaki, 06 7514154

FOR: Mr. Chris Dombroski

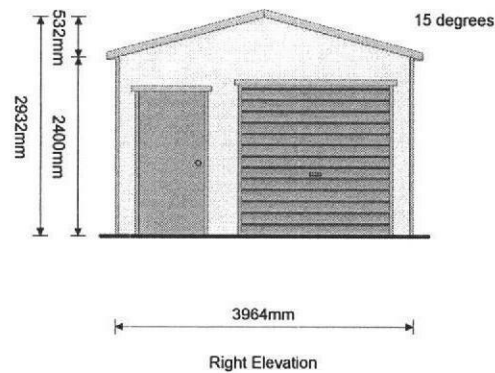
REFERENCE: naki-2603

SITE ADDRESS: 253 Lwr Pitone Road
RD 4
New Plymouth 4374

Scale 1 : 100

PLAN

Sheet 3 of 7



TOTALSPAN BUILDINGS
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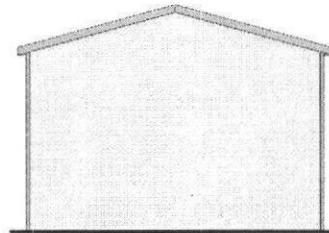
SITE ADDRESS: 253 Lwr Pitone Road
RD 4
New Plymouth 4374

Scale 1 : 100

RIGHT ELEVATION

Sheet 4 of 7

NPDC APPROVED
 15 APR 2010



Left Elevation

NPDC APPROVED
 15 APR 2018

TOTALSPAN BUILDINGS

A Division of Spanbild New Zealand Ltd

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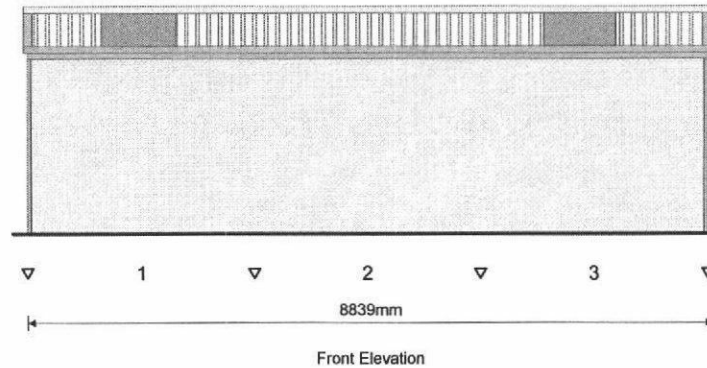
Scale 1 : 100

LEFT ELEVATION

Sheet 5 of 7

DIMENSIONS IN mm UNLESS OTHERWISE STATED

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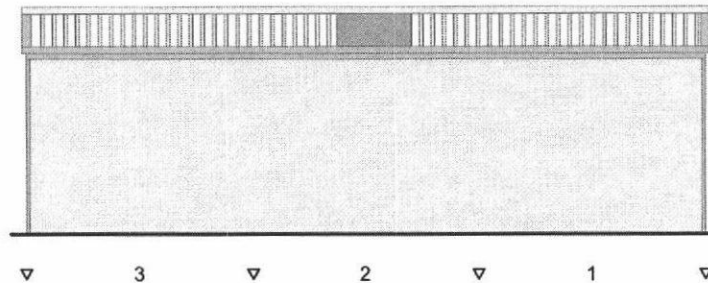
Scale 1 : 100

FRONT ELEVATION

Sheet 6 of 7

DIMENSIONS IN mm UNLESS OTHERWISE STATED

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



Rear Elevation

TOTALSPAN BUILDINGS
A Division of Spanbild New Zealand Ltd

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

PREPARED BY: Greg or Ash, Taranaki, 06 7514154

FOR: Mr. Chris Dombroski

REFERENCE: naki-2603

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New Plymouth 4374

Scale 1 : 100

REAR ELEVATION

Sheet 7 of 7