Job Number:

Issue:

BWhite Consulting Ltd

PRODUCER STATEMENT-PS1-DESIGN

ISSUED BY: **BWhite Consulting Ltd (Design Engineer: Bevan White)**

TO BE SUPPLIED TO: **A District Council** IN RESPECT OF: **Proposed NEW Farm Shed**

AT: **new new**

LEGAL DESCRIPTION

We have been engaged by **Ezequote Pty Ltd** to provide **Specific Structural Engineering Design** services in respect of the requirements of Clause(s) **B1** of the Building Code for part only (as specified in the attachment to this statement), of the proposed building work.

☐ ALL ☑ Part only as specified: Purlins, Rafters, Girts, Poles, Columns, Pole embedment and all connections

The design has been prepared in accordance with compliance documents to NZ Building Code issued by Ministry of Business, Innovation & Employment Clauses **B1/VM1 and B1/VM4**

The proposed building work covered by the producer statement is described on **Ezequote** drawings title **abc123** and numbered dated together with the following specification, and other documents set out in the schedule attached to this statement: **Design Featured Report Dated 2025-07-17 and numbered "Second Page"**

On behalf of BWhite Consulting Ltd, and subject to:

1. Site verification of the following design assumptions: **an Ultimate foundation bearing pressure of 300 kPa in accordance with NZS3604:2011**
2. **The building has a design life of 50 years and an Importance Level 1**
3. **Unless specifically noted, compliance of the drawings to Non-Specific codes such as NZS3604 and NZS4229 have not been checked by this practice**
4. **This Certificate does not cover any other building code clause including weather tightness**
5. **Inspections of the building to be completed by A District Council. As BWhite Consulting Ltd are not undertaking inspections, we cannot issue a producer Statement-PS4- Construction Review.**
6. **This Producer Statement- Design is valid for a building consent issued within 1 year from the date of issue**
7. All proprietary products meeting their performance specification requirements

I believe on reasonable grounds that a) 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 and that b), the persons who have undertaken the design have the necessary competency to do so. I also recommend the follow level of construction monitoring/observation:

☑ CM1 ☐ CM2 ☐ CM3 ☐ CM4 ☐ CM5 or as per agreement with owner/developer **(stated above)**

I, **Bevan White** am CPEng **108276** I am Member of Engineering New Zealand and hold the following qualification: **BE.Civil** and holds a current policy of Professional Indemnity Insurance no less than $200,000

Signed by **Bevan White** on behalf of **BWhite Consulting Ltd** Dated: **2025-07-17**

Email: bwhitecpeng@gmail.com Phone: 0211-979786

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

Date: 2025-07-17

BWhite Consulting Ltd

18B Jules Crescent,

Bell Block New Plymouth 4312

New Zealand   File No:

DESIGN FEATURES SUMMARY FOR PROPOSED NEW FARM SHED NEW NEW

Site Specific Loads

Roof Live Load	0.25 KPa	Roof Dead Load	0.25 KPa	Roof Live Point Load	1.1 Kn
Snow Zone	N0	Ground Snow Load	0 KPa	Roof Snow Load	0 KPa
Earthquake Zone	1	Subsoil Category	D	Exposure Zone	B
Importance Level	1	Ultimate wind & EQ ARI	0 Years	Max Height	1 m
Wind Region		Terrain Category		Design Wind Speed	1 m/s
Wind Pressure	0 KPa	Lee Zone	NO	Ultimate Snow ARI	50 Years

Timber

Sawn Timber to be graded to the properties of SG6 and SG8 or better as mentioned on plans, with moisture content of 18% or less for dry and 25% or less for wet.

The following standards have been used in the design of this structure

- NZS 3603:1993 Timber Structures Standard
- NZS 3604:2011 Timber Framed Buildings. Standards New Zealand, 2011
- NZS 3404:1997 Steel Structures
- AS/NZS 1170 2003 Structural Design Actions
- AS/NZS 1170.2 2021 Structural Design Actions-Wind Action
- Branz. "Engineering Basis of NZS 3604". April 2013

Yours Faithfully

BWhite CONSULTING LTD

Bevan White

Director | BE Civil . CMengNZ CPEng

Email: bwhitecpeng@gmail.com Contact: 0211 979 786

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Date: **2025-07-17**

Council: **A Council**

BWhite
Consulting Ltd

Subject: B2 compliance in respect of Proposed shed at new new

A Council typically requests a Producer Statement/Other means of compliance for Design for Clause B2 of the Building Code-Durability

We are not able to provide a Producer Statement for durability because compliance needs to be shown on material-by-material basis using a variety of compliance methods, and not all materials used have a clear compliance path.

We can confirm that for the structural elements shown in our documentation under Clause B1:

Timber

Timber treatment has been selected to meet or exceed the requirements of table 1A of B2/AS1 and NZS3602

Steel fixing

Steel fixings are protected against weather as per table 4.1 and 4.2 of NZS3604-2011. Exposure Zone B

Yours Faithfully

BWhite CONSULTING LTD

Bevan Whiite

Director | BE Civil . CMengNZ CPEng

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Contact: 0211 979 786

Note: This letter shall only be relied on by the Building Consent Authority named in Engineering New Zealand/ACE New Zealand Producer Statement PS1(B1) - Design in relation to the Building Work. Liability under this letter accrues to the Design Review Firm only. The total maximum amount of damages payable arising from this letter 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

Job No.: abc123   **Address:** new new   **Date:** 2025-07-17

Latitude: 0   **Longitude:** 0   **Elevation:** 1 m

General Input

Roof Live Load	0.25 KPa	Roof Dead Load	0.25 KPa	Roof Live Point Load	1.1 Kn
Snow Zone	N0	Ground Snow Load	0 KPa	Roof Snow Load	0 KPa
Earthquake Zone	1	Subsoil Category	D	Exposure Zone	B
Importance Level	1	Ultimate wind & Earthquake ARI	0 Years	Max Height	1 m
Wind Region		Terrain Category		Design Wind Speed	1 m/s
Wind Pressure	0 KPa	Lee Zone	NO	Ultimate Snow ARI	50 Years
Wind Category	Low	Earthquake ARI	100		

Note: Wind lateral loads are governing over Earthquake loads, So only wind loads are considered in calculations

Pressure Coefficients and Pressues

Shed Type = Mono   Enclosed

For roof $C_{p,i} = 1$

For roof $C_{P,e}$ from 1 m To 1 m $C_{pe} = 1$ $p_e = 1$ KPa $p_{net} = 1$ KPa

For roof $C_{P,e}$ from 1 m To 1 m $C_{pe} = 1$ $p_e = 1$ KPa $p_{net} = 1$ KPa

For wall Windward $C_{p,i} = 1$ side Wall $C_{p,i} = 1$

For wall Windward and Leeward $C_{P,e}$ from 1 m To 1 m $C_{pe} = 1$ $p_e = 1$ KPa $p_{net} = 1$ KPa

For side wall $C_{P,e}$ from 1 m To 1 m $C_{pe} =$ $p_e = 1$ KPa $p_{net} = 1$ KPa

Maximum Upward pressure used in roof member Design = 1 KPa

Maximum Downward pressure used in roof member Design = 1 KPa

Maximum Wall pressure used in Design = 1 KPa

Maximum Racking pressure used in Design = 1 KPa

Design Summary

Purlin Design

Purlin Spacing = 1 mm   Purlin Span = 850 mm   Try Purlin 100x50 SG6 Wet

Moisture Condition = Wet (Moisture in timber is less than 25%)

K1 Short term = 1   K1 Medium term = 0.8   K1 Long term = 0.6   K4 =1   K5 =1   K8 Downward =1.00

K8 Upward =1.00   S1 Downward =7.54   S1 Upward =7.11

Shear Capacity of timber =3 MPa   Bending Capacity of timber =7.5 MPa NZS3603 Amt 4, table 2.3

Capacity Checks

$M_{1.35D}$	0 Kn-m	Capacity	0.30 Kn-m	Passing Percentage	**Infinity %**
$M_{1.2D+1.5L\ 1.2D+Sn\ 1.2D+WnDn}$	0.35 Kn-m	Capacity	0.40 Kn-m	Passing Percentage	**114.29 %**
$M_{0.9D-WnUp}$	0 Kn-m	Capacity	-0.50 Kn-m	Passing Percentage	**Infinity %**

$V_{1.35D}$	0.00 Kn	Capacity	4.82 Kn	Passing Percentage	**Infinity %**
$V_{1.2D+1.5L\ 1.2D+Sn\ 1.2D+WnDn}$	0.00 Kn	Capacity	6.43 Kn	Passing Percentage	**Infinity %**
$V_{0.9D-WnUp}$	-0.00 Kn	Capacity	-8.04 Kn	Passing Percentage	**Infinity %**

Deflections

Modulus of Elasticity = 4000 MPa NZS3603 Amt 4, Table 2.3 considering at least 4 members acting together

k2 for Long Term Loads = 3

Deflection under Dead and Live Load = 0.70 mm   Limit by Woolcock et al, 1999 Span/240 = 3.33 mm
Deflection under Dead and Service Wind = 0.00 mm   Limit by Woolcock et al, 1999 Span/100 = 8.00 mm

Reactions

Maximum downward =0.00 kn   Maximum upward = -0.00 kn

Number of Blocking = 0   if 0 then no blocking required, if 1 then one midspan blocking required

Rafter Design Internal

Internal Rafter Load Width = 1000 mm   Internal Rafter Span = -150 mm   Try Rafter 2xSG8 Dry

Moisture Condition = Wet (Moisture in timber is less than 18% and timber does not remain in continuous wet condition after installation)

K1 Short term = 1   K1 Medium term = 0.8   K1 Long term = 0.6   K4 =1   K5 =1   K8 Downward =NaN

K8 Upward =NaN   S1 Downward =NaN   S1 Upward =NaN

Shear Capacity of timber =3 MPa   Bending Capacity of timber =14 MPa NZS3603 Amt 4, table 2.3

Capacity Checks

$M_{1.35D}$	-0.00 Kn-m	Capacity	NaN Kn-m	Passing Percentage	**NaN %**
$M_{1.2D+1.5L\ 1.2D+Sn\ 1.2D+WnDn}$	-0.00 Kn-m	Capacity	NaN Kn-m	Passing Percentage	**NaN %**
$M_{0.9D-WnUp}$	-0.00 Kn-m	Capacity	-NaN Kn-m	Passing Percentage	**NaN %**
$V_{1.35D}$	-0.04 Kn	Capacity	0 Kn	Passing Percentage	**0.00 %**
$V_{1.2D+1.5L\ 1.2D+Sn\ 1.2D+WnDn}$	-0.15 Kn	Capacity	0 Kn	Passing Percentage	**0.00 %**
$V_{0.9D-WnUp}$	2.15 Kn	Capacity	-0 Kn	Passing Percentage	**0.00 %**

Deflections

Modulus of Elasticity = 5400 MPa NZS3603 Amt 4, Table 2.3

k2 for Long Term Loads = 2

Deflection under Dead and Live Load = Infinity mm   Limit by Woolcock et al, 1999 Span/240 = 0.00 mm
Deflection under Dead and Service Wind = Infinity mm   Limit by Woolcock et al, 1999 Span/100 = 0.00 mm

Reactions

Maximum downward =-0.02 kn   Maximum upward = -0.04 kn

Rafter to Pole Connection check

Bolt Size = M16 Number of Bolts = 1

Calculations as per NZS 3603:1993 Amend 2005 clause 4.4

Joint Group for Rafters =J5 Joint Group for Pole = J5

Minimum Bolt edge, end and spacing for Load perpendicular to grains = 40 mm

Factor of Safety = 0.7

For Perpendicular to grain loading

K11 = 14.9 fpj = 12.9 Mpa for Rafter with effective thickness = 0 mm

For Parallel to grain loading

K11 = 2.0 fcj = 36.1 Mpa for Pole with effective thickness = 100 mm

Capacity under short term loads = 0.00 Kn > -0.04 Kn

Prop on Sides = 1   2/SG815050wet   1mm   Reaction Prop = -0.04 Kn down 2.15 Kn Up

Prop Combined axial and bending ratios (My/Phi x Mny)+(Nc/Phi x Ncy) should be less than or equal to 1

For Short Term Load = 0.00 < 1 OK

For Medium Term Load = 0.00 < 1 OK

For Long Term Load = 0.00 < 1 OK

Prop Connection check

Effective width of Pole used in Calculations = 150 mm -20mm (Margin for chamfer)

Bolt Size = M16 Number of Bolts = 11

Minimum Bolt edge, end and spacing for Load perpendicular to grains = 80 mm

Angle of prop = 45 degree

Prop Connection Capacity under Short term loads: 203.97 Kn > 1 Kn OK

Prop Connection Capacity under Medium term loads: 163.18 Kn > 1 Kn OK

Prop Connection Capacity under Long term loads: 122.38 Kn > 1 Kn OK

Rafter Design External

External Rafter Load Width = 500 mm   External Rafter Span = -200 mm   Try Rafter 150x50 SG8 Wet

Moisture Condition = Wet (Moisture in timber is less than 25%)

K1 Short term = 1   K1 Medium term = 0.8   K1 Long term = 0.6   K4 =1   K5 =1   K8 Downward =1.00

K8 Upward =1.00   S1 Downward =9.63   S1 Upward =9.63

Shear Capacity of timber =3 MPa   Bending Capacity of timber =11.7 MPa NZS3603 Amt 4, table 2.3

Capacity Checks

$M_{1.35D}$	0.00 Kn-m	Capacity	1.05 Kn-m	Passing Percentage	**Infinity %**
$M_{1.2D+1.5L\ 1.2D+Sn\ 1.2D+WnDn}$	0.00 Kn-m	Capacity	1.40 Kn-m	Passing Percentage	**Infinity %**
$M_{0.9D-WnUp}$	-0.00 Kn-m	Capacity	-1.75 Kn-m	Passing Percentage	**Infinity %**
$V_{1.35D}$	-0.02 Kn	Capacity	7.24 Kn	Passing Percentage	**-36200.00 %**
$V_{1.2D+1.5L\ 1.2D+Sn\ 1.2D+WnDn}$	-0.07 Kn	Capacity	9.65 Kn	Passing Percentage	**-13785.71 %**
$V_{0.9D-WnUp}$	0.04 Kn	Capacity	-12.06 Kn	Passing Percentage	**30150.00 %**

Deflections

Modulus of Elasticity = 4400 MPa NZS3603 Amt 4, Table 2.3

k2 for Long Term Loads = 3

Deflection under Dead and Live Load = 0.00 mm   Limit by Woolcock et al, 1999 Span/240= 0.00 mm

Deflection under Dead and Service Wind = 0.00 mm   Limit by Woolcock et al, 1999 Span/100 = 0.00 mm

Reactions

Maximum downward =-0.07 kn   Maximum upward = 0.04 kn

Rafter to Pole Connection check

Bolt Size = M16 Number of Bolts = 1

Calculations as per NZS 3603:1993 Amend 2005 clause 4.4

Joint Group for Rafters =J5 Joint Group for Pole = J5

Factor of Safety = 0.7

For Perpendicular to grain loading

$K11 = 14.9$ fpj = 12.9 Mpa for Rafter with effective thickness = 50 mm

For Parallel to grain loading

$K11 = 2.0$ fcj = 36.1 Mpa for Pole with effective thickness = 100 mm

Eccentric Load check

$V = phi \times k1 \times k4 \times k5 \times fs \times b \times ds$ .... (Eq 4.12) = -7.35 kn > 0.04 Kn

Single Shear Capacity under short term loads = -5.06 Kn > 0.04 Kn

Intermediate Design Front and Back

Intermediate Spacing = 500 mm   Intermediate Span = 850 mm   Try Intermediate 2xSG8 Dry

Moisture Condition = Wet (Moisture in timber is less than 18% and timber does not remain in continuous wet condition after installation)

K1 Short term = 1   K4 =1   K5 =1   K8 Downward =NaN

K8 Upward =NaN   S1 Downward =NaN   S1 Upward =NaN

Shear Capacity of timber =3 MPa   Bending Capacity of timber =14 MPa NZS3603 Amt 4, table 2.3

Capacity Checks

$M_{Wind+Snow}$	0.05 Kn-m	Capacity	NaN Kn-m	Passing Percentage	**NaN %**
$V_{0.9D-WnUp}$	0.21 Kn	Capacity	-0 Kn	Passing Percentage	**0.00 %**

Deflections

Modulus of Elasticity = 5400 MPa NZS3603 Amt 4, Table 2.3

Deflection under Snow and Service Wind = NaN mm   Limit byWoolcock et al, 1999 Span/100 = 8.50 mm

Reactions

Maximum = 0.21 kn

Girt Design Front and Back

Girt's Spacing = 0 mm   Girt's Span = 500 mm   Try Girt SG8 Dry

Moisture Condition = Wet (Moisture in timber is less than 18% and timber does not remain in continuous wet condition after installation)

K1 Short term = 1   K4 =1   K5 =1   K8 Downward =NaN

K8 Upward =NaN   S1 Downward =NaN   S1 Upward =NaN

Shear Capacity of timber =3 MPa   Bending Capacity of timber =14 MPa NZS3603 Amt 4, table 2.3

Capacity Checks

$M_{Wind+Snow}$	0.00 Kn-m	Capacity	NaN Kn-m	Passing Percentage		**NaN %**
$V_{0.9D-WnUp}$	0.00 Kn	Capacity	0.00 Kn	Passing Percentage		**NaN %**

Deflections

Modulus of Elasticity = 6700 MPa NZS3603 Amt 4, Table 2.3

Deflection under Snow and Service Wind = NaN mm   Limit by Woolcock et al, 1999 Span/100 = 5.00 mm
Sag during installation = NaN mm

Reactions

Maximum = 0.00 kn

Girt Design Sides

Girt's Spacing = 0 mm   Girt's Span = 0 mm   Try Girt SG8 Dry

Moisture Condition = Wet (Moisture in timber is less than 18% and timber does not remain in continuous wet condition after installation)

K1 Short term = 1   K4 =1   K5 =1   K8 Downward =NaN

K8 Upward =NaN   S1 Downward =NaN   S1 Upward =NaN

Shear Capacity of timber =3 MPa   Bending Capacity of timber =14 MPa NZS3603 Amt 4, table 2.3

Capacity Checks

$M_{Wind+Snow}$	0.00 Kn-m	Capacity	NaN Kn-m	Passing Percentage		**NaN %**
$V_{0.9D-WnUp}$	0.00 Kn	Capacity	0.00 Kn	Passing Percentage		**NaN %**

Deflections

Modulus of Elasticity = 6700 MPa NZS3603 Amt 4, Table 2.3

Deflection under Snow and Service Wind = NaN mm   Limit by Woolcock et al. 1999 Span/100 = 0.00 mm
Sag during installation =NaN mm

Reactions

Maximum = 0.00 kn

Middle Pole Design

Geometry

150 SED H5 (Minimum 175 dia. at Floor Level)		Dry Use	Height	mm
Area		20729 mm2	As	15546.6796875 mm2
Ix		34210793 mm4	Zx	421056 mm3
Iy		34210793 mm4	Zx	421056 mm3
Lateral Restraint		mm c/c		

Loads

Total Area over Pole = 0 m2

Dead	0.00 Kn	Live	0.00 Kn
Wind Down	0.00 Kn	Snow	0.00 Kn
Moment wind	0.00 Kn-m		
Phi	0.8	K8	1.00
K1 snow	0.8	K1 Dead	0.6
K1wind	1		

Material

Peeling	Steaming	Normal	Dry Use
fb =	36.3 MPa	fs =	2.96 MPa
fc =	18 MPa	fp =	7.2 MPa
ft =	22 MPa	E =	9257 MPa

Capacities

PhiNcx Wind	298.50 Kn	PhiMnx Wind	12.23 Kn-m	PhiVnx Wind	36.81 Kn
PhiNcx Dead	179.10 Kn	PhiMnx Dead	7.34 Kn-m	PhiVnx Dead	22.09 Kn

Checks

$(Mx/PhiMnx)+(N/phiNcx) = 0.00 < 1$ OK

$(Mx/PhiMnx)^2+(N/phiNcx) = 0.00 < 1$ OK

Deflection at top under service lateral loads = 0.00 mm < 0.00 mm

Drained Lateral Strength of Middle pile in cohesionless soils Free Head short pile

Assumed Soil Properties

Gamma	18 Kn/m3	Friction angle	30 deg	Cohesion	0 Kn/m3
K0 =	(1-sin(30)) / (1+sin(30))				
Kp =	(1+sin(30)) / (1-sin(30))				

Geometry For Middle Bay Pole

Ds =	0.6 mm	Pile Diameter
L =	mm	Pile embedment length
f1 =	750 mm	Distance at which the shear force is applied
f2 =	0 mm	Distance of top soil at rest pressure

Loads

Moment Wind =   0.00 Kn-m

Shear Wind =   0.25 Kn

Pile Properties

Safety Factory   0.55

Hu =   0.00 Kn   Ultimate Lateral Strength of the Pile, Short pile

Mu =   0.00 Kn-m   Ultimate Moment Capacity of Pile

Checks

Applied Forces/Capacities = NaN < 1 OK

End Pole Design

Geometry For End Bay Pole

Geometry

150 SED H5 (Minimum 175 dia. at Floor Level)   Dry Use   Height   800 mm

Area   20729 mm2   As   15546.6796875 mm2

Ix   34210793 mm4   Zx   421056 mm3

Iy   34210793 mm4   Zx   421056 mm3

Lateral Restraint   mm c/c

Loads

Total Area over Pole = 0 m2

Dead	0.00 Kn	Live	0.00 Kn
Wind Down	0.00 Kn	Snow	0.00 Kn
Moment Wind	0.02 Kn-m		
Phi	0.8	K8	1.00
K1 snow	0.8	K1 Dead	0.6
K1wind	1		

Material

Peeling	Steaming	Normal	Dry Use
fb =	36.3 MPa	fs =	2.96 MPa
fc =	18 MPa	fp =	7.2 MPa
ft =	22 MPa	E =	9257 MPa

Capacities

PhiNcx Wind	298.50 Kn	PhiMnx Wind	12.23 Kn-m	PhiVnx Wind	36.81 Kn
PhiNcx Dead	179.10 Kn	PhiMnx Dead	7.34 Kn-m	PhiVnx Dead	22.09 Kn

Checks

(Mx/PhiMnx)+(N/phiNcx) = 0.00 < 1 OK

(Mx/PhiMnx)^2+(N/phiNcx) = 0.00 < 1 OK

Deflection at top under service lateral loads = 0.01 mm < 9.97 mm

Ds =	0.6 mm	Pile Diameter
L =	mm	Pile embedment length
f1 =	750 mm	Distance at which the shear force is applied
f2 =	0 mm	Distance of top soil at rest pressure

Loads

Total Area over Pole = 0 m2

Moment Wind =	0.02 Kn-m
Shear Wind =	0.02 Kn

Pile Properties

Safety Factory	0.55	
Hu =	0.00 Kn	Ultimate Lateral Strength of the Pile, Short pile
Mu =	0.00 Kn-m	Ultimate Moment Capacity of Pile

Checks

Applied Forces/Capacities = Infinity < 1 OK

Drained Lateral Strength of End pile in cohesionless soils Free Head short pile

Assumed Soil Properties

Gamma	18 Kn/m3		Friction angle	30 deg	Cohesion	0 Kn/m3

$K0 = (1-\sin(30)) / (1+\sin(30))$

$Kp = (1+\sin(30)) / (1-\sin(30))$

Geometry For End Bay Pole

Ds =	0.6 mm	Pile Diameter
L =	mm	Pile embedment length
f1 =	750 mm	Distance at which the shear force is applied
f2 =	0 mm	Distance of top soil at rest pressure

Loads

Moment Wind =	0.02 Kn-m
Shear Wind =	0.02 Kn

Pile Properties

Safety Factory	0.55	
Hu =	0.00 Kn	Ultimate Lateral Strength of the Pile, Short pile
Mu =	0.00 Kn-m	Ultimate Moment Capacity of Pile

Checks

Applied Forces/Capacities = Infinity < 1 OK

Uplift Check

Density of Concrete = 24 Kn/m3

Density of Timber Pole = 5 Kn/m3

Due to cast in place pile, the surface interaction between soil and pile will be rough thus angle of friction between both is taken equal to soil angle of internal friction

Ks (Lateral Earth Pressure Coefficient)for cast into place concrete piles = 1.5

Formula to calculate Skin Friction = Safecty factor (0.55) x Density of Soil(18) x Height of Pile() x Ks(1.5) x 0.5 x tan(30) x Pi x Dia of Pile(0.6) x Height of Pile()

Skin Friction = 0.00 Kn

Weight of Pile + Pile Skin Friction = 0.00 Kn

Uplift on one Pile = 0.00 Kn

Uplift is ok

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