



Technical Support Sheet

Rawe Stonebox

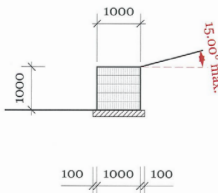
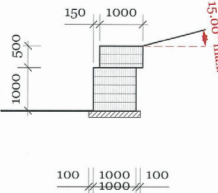
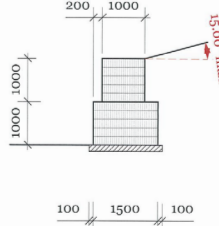

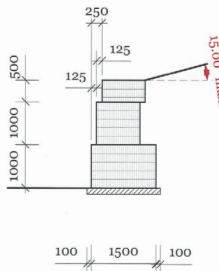
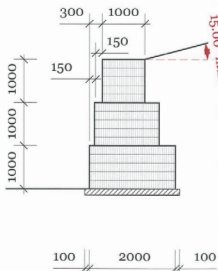
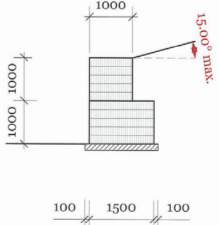
Typical Retaining Wall Sections

5kN/m² Surcharge Load with 0 degree retained slope angle

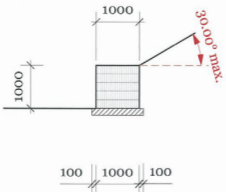
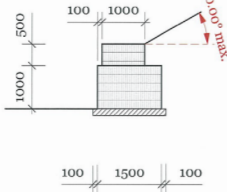
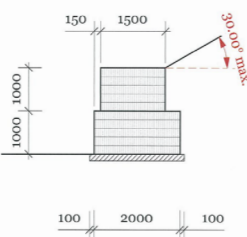
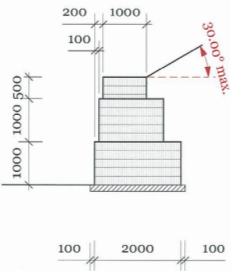
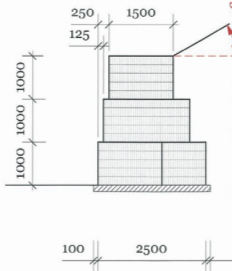
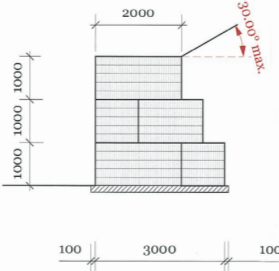
RAWE STONEBOX TYPICAL RETAINING WALL SECTIONS | DRAINAGE | JUNE 2018

RETAINED HEIGHT = 1m	RETAINED HEIGHT = 1.5m	RETAINED HEIGHT = 2.0m	RETAINED HEIGHT = 2.5m	RETAINED HEIGHT = 3.0m
RETAINED HEIGHT = 3.5m	RETAINED HEIGHT = 4.0m	RETAINED HEIGHT = 4.5m	RETAINED HEIGHT = 5.0m	ASSUMPTIONS:
				<p>Soil Conditions: Internal Angle of Friction = 27.5 degrees Cohesion = 0 Min. bearing pressure = 150kPa or 150kN/m² No groundwater in area of foundations</p> <p>/////// Nominal 100-150mm layer Compacted Hardcore Base (Refer to Engineer for specific design cases)</p>
<p>RAWE STONEBOX - TYPICAL RETAINING WALL SECTIONS</p> <p>5kN/m² SURCHARGE LOAD WITH 0 DEGREE RETAINED SLOPE ANGLE</p> <p>LUSIT NEW ZEALAND, Phone: 09-263 4122</p> <p>DWG REF: RSBX - SK1, NZ DATE : 24 FEBRUARY 2011 SCALE: 1:75 (A3)</p>				

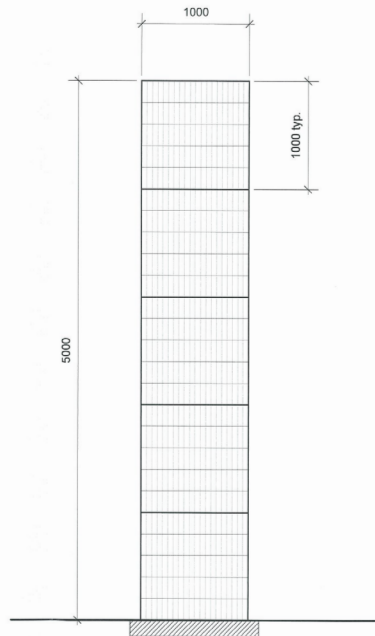
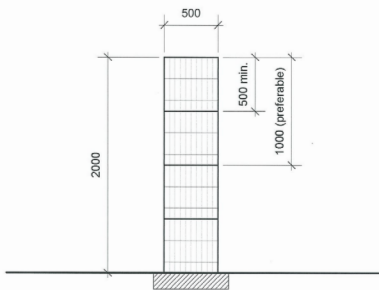
1.5kN/m² Surcharge Load with 15 degree maximum retained slope angle

<p>RETAINED HEIGHT = 1.0m 15 Degree Slope</p> 	<p>RETAINED HEIGHT = 1.5m 15 Degree Slope</p> 	<p>RETAINED HEIGHT = 2.0m 15 Degree Slope</p> 	<p>ASSUMPTIONS:</p> <p>Soil Conditions: Internal Angle of Friction = 27.5 degrees Cohesion = 0 Min. bearing pressure = 150kPa or 150kN/m² No groundwater in area of foundations</p> <p> Nominal 100-150mm layer Compacted Hardcore Base (Refer to Engineer for specific design cases)</p>
<p>RETAINED HEIGHT = 2.5m 15 Degree Slope</p> 	<p>RETAINED HEIGHT = 3.0m 15 Degree Slope</p> 	<p>RETAINED HEIGHT = 2.0m VERTICAL FACE 15 Degree Slope</p> 	<p>RAWE STONEBOX - TYPICAL RETAINING WALL SECTIONS</p> <p>1.5kN/m² SURCHARGE LOAD WITH 15 DEGREE MAXIMUM RETAINED SLOPE ANGLE</p> <p>LUSIT NEW ZEALAND, Phone: 09-263 4122</p> <p>DWG REF: RSBX - SK2, NZ DATE : 24 FEBRUARY 2011 SCALE: 1:75 (A3)</p>

1.5kN/m² Surcharge Load with 30 degree maximum retained slope angle

<p>RETAINED HEIGHT = 1.0m 30 Degree Slope</p> 	<p>RETAINED HEIGHT = 1.5m 30 Degree Slope</p> 	<p>RETAINED HEIGHT = 2.0m 30 Degree Slope</p> 	<p>ASSUMPTIONS:</p> <p>Soil Conditions: Internal Angle of Friction = 27.5 degrees Cohesion = 0 Min. bearing pressure = 150kPa or 150kN/m² No groundwater in area of foundations</p> <p>Nominal 100-150mm layer Compacted Hardcore Base (Refer to Engineer for specific design cases)</p>
<p>RETAINED HEIGHT = 2.5m 30 Degree Slope</p> 	<p>RETAINED HEIGHT = 3.0m 30 Degree Slope</p> 	<p>RETAINED HEIGHT = 3.0m VERTICAL FACE 30 Degree Slope</p> 	<p>RAWE STONEBOX - TYPICAL RETAINING WALL SECTIONS</p> <p>1.5kN/m² SURCHARGE LOAD WITH 30 DEGREE MAXIMUM RETAINED SLOPE ANGLE</p> <p>LUSTIT NEW ZEALAND, Phone: 09-263 4122</p> <p>DWG REF: RSBX - SK3, NZ DATE : 24 FEBRUARY 2011 SCALE: 1:75 (A3)</p>

Free-standing Rawe Stonebox walls



ASSUMPTIONS:

DIN 1055-4 & 1054

Windzone 2, Inland / Field D
Wind loading = 0.80 kN/m³

Soil Conditions:

Internal Angle of Friction = 27.5 degrees
Cohesion = 0
Min. bearing pressure = 150kPa or
150kN/m²

No groundwater in area of foundations
Nominal 100-150mm layer
Compacted Hardcore Base
(Refer to Engineer for
specific design cases)

**RAWE STONEBOX -
TYPICAL RETAINING
WALL SECTIONS**

**FREE-STANDING RAWE
STONEBOX WALLS**

LUSIT NEW ZEALAND,
Phone: 09-263 4122

DWG REF: RSBX - SK4, NZ
DATE : 30 AUGUST 2013
SCALE: 1:75 (A3)

Branches Nationwide Support Office & Technical Services 09 274 0316

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