



GLASS FENCING

BelAire®
DESIGNER FENCING

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Windzone & Fixings
Information

An aerial photograph of a modern outdoor swimming pool. The pool is rectangular and filled with clear blue water. It is surrounded by a light-colored tiled deck. A glass fence with black metal fixings runs along the perimeter of the pool. On the deck, there are several decorative items: a small potted plant on the left, a white planter with yellow flowers on the top left, a green towel with a hat and fruit on the right, and a large potted plant on the far right. The pool is bordered by a wooden deck on the top and a grassy area on the right.

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Spigot Fixings

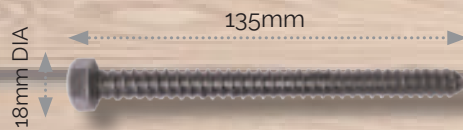
Timber Fixings:



Countersunk Timber Screw 140mm Long
Stainless Steel 316 (Hex head drive)

Order Code: SCETCSK

- Self tapping 140mm length with M8 diameter screw
- Spigots: Tekapo, Rakaia Channel



M12 Coachscrew Timber Screw 135mm
Stainless Steel 316 (Hex head drive)

135mm Order Code: SCETHX (for Kaweka spigots)

- Self tapping 135mm length with M12 diameter screw
- Spigots: Kaweka, Milford



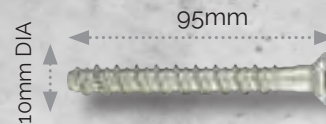
M10 Timber Lag Screw 140mm Long
Stainless Steel 316 (Hex head drive)

Order Code: SCELAG140 (Rakaia Channel)

Order Code: SCELAG150 (Aoraki Spigots)

- Self tapping 140mm length with M10 diameter screw
- 2 x M12 nuts
- Spigots: Aoraki, Rakaia Channel (Bottom Fixing)

Concrete Fixings:

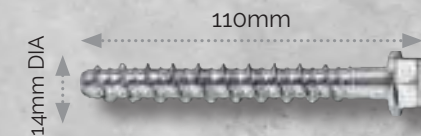


M8 Countersunk Concrete Screw ANCHOR
95mm Long

Stainless Steel 316 (Torx head drive)

Order Code: SCECCSA

- Self tapping 95mm length with 10mm outer; M8 diameter screw
- Spigots: Tekapo, Rakaia Channel
- Drill a 8mm Hole



M12 Concrete Screw Anchor 110mm Long
Stainless Steel 316 (Hex head drive)

Order Code: SCECHSA

- Self tapping 110mm length with 14mm outer; M12 diameter screw
- Spigots: Milford, Kaweka
- Drill a 12mm hole



Threaded rod
Stainless Steel 316 (Hex head drive)

M10 Order Code: SCETHR10
(for Rakaia Channel)

M12 Order Code: SCETHR12

(for Milford, Kaweka and Aoraki Spigots)

- Ideal for fixing to concrete and timber
- Chemset also supplied for concrete applications - ask our sales team for more info
- Drill a 14mm hole when using Chemset



Chemset: SCECHEM Chemset

Used with SCETHR12 Stainless threaded rod into concrete

TEKAPO

Wind and Fixing Specifications

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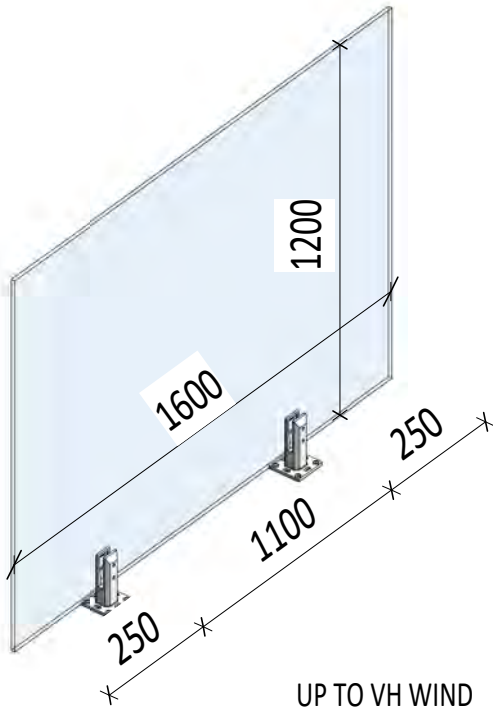
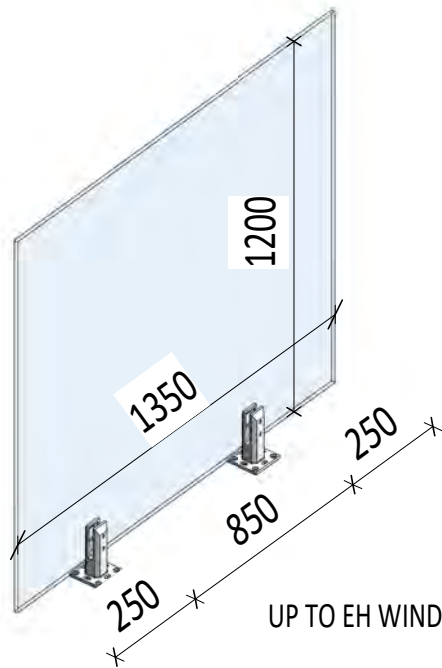
Max Panel Sizes for VH Wind Zones Balustrade

	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Tekapo Balustrade	2	1600W	1400W	Engineers Aproval	A,B,E,C3	M8 x 140 Spax	M8 x 140 Spax	M8 x 85 Concrete Screw	22	55
Tekapo Pool Fence	2	N/A	1600W	1250W (1600W 3 Spigots)		M8 x 140 Spax	M8 x 140 Spax	M8 x 85 Concrete Screw	22	55

Max Panel Sizes for EH Wind Zones Balustrade

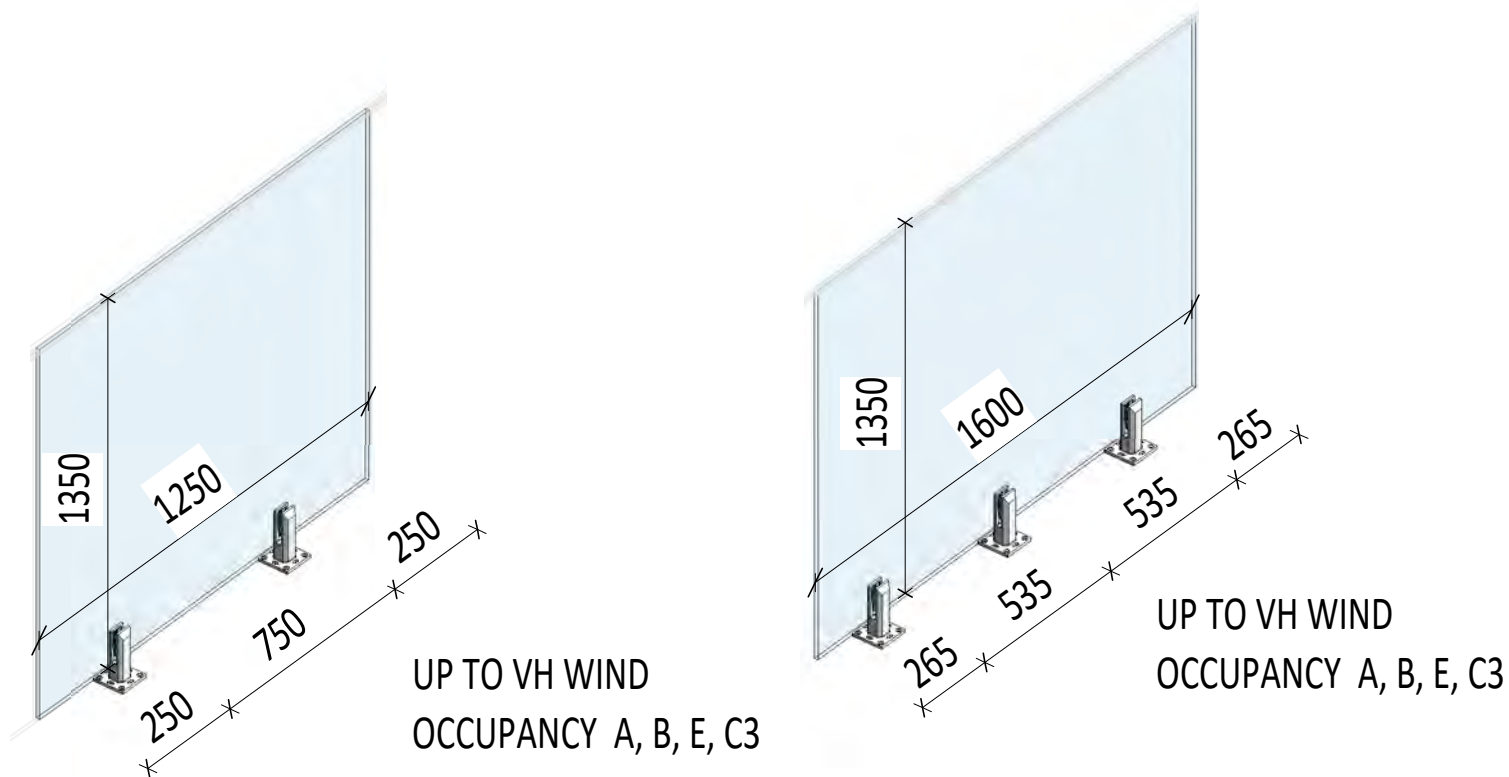
	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Tekapo Balustrade	2	1600W	1600W (3 Spigots)	Engineers Aproval	A,B,E,C3	M8 x 140 Spax	M8 x 140 Spax	M8 x 85 Concrete Screw	22	55
Tekapo Pool Fence	2	N/A	1350W (1600 3 Spigots)	Engineers Aproval		M8 x 140 Spax	M8 x 140 Spax	M8 x 85 Concrete Screw	22	55

BelAire Tekapo Pool Fencing Wind Zones



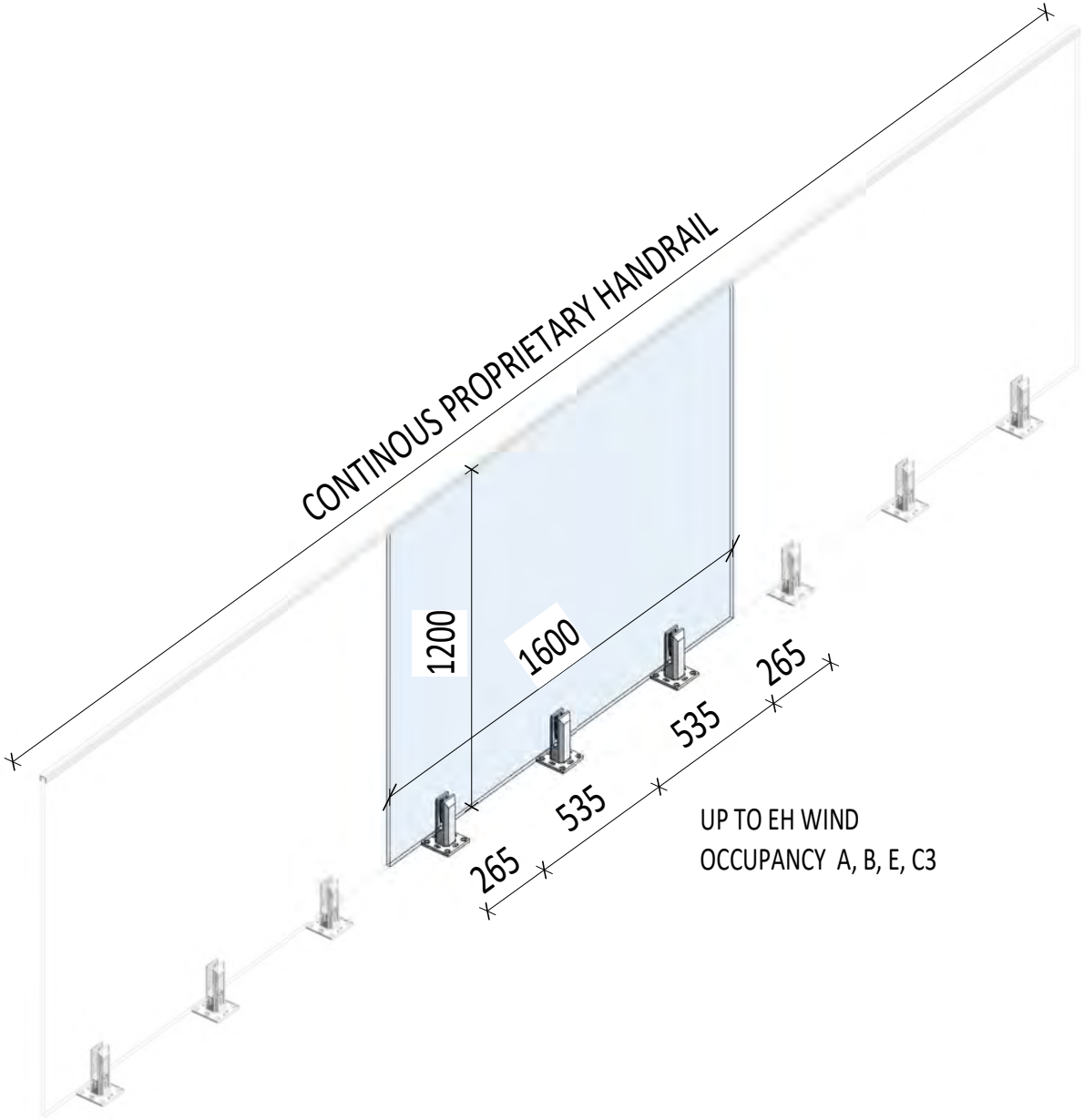
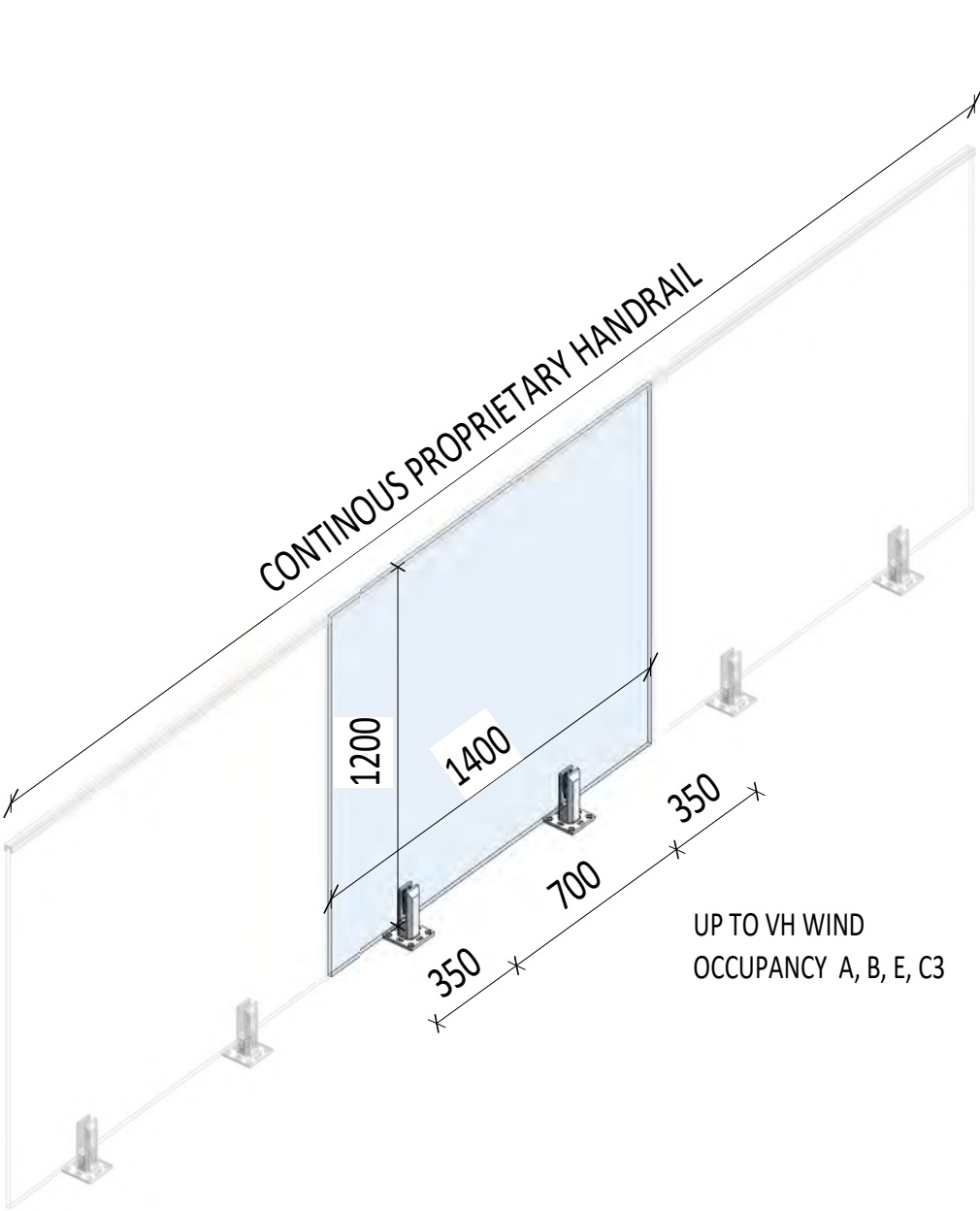
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R.3	FIXING REVISED					220816
R.4	CONCRETE FIXING REVISED					221202
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BelAire Tekapo Pool Fencing Wind Zones



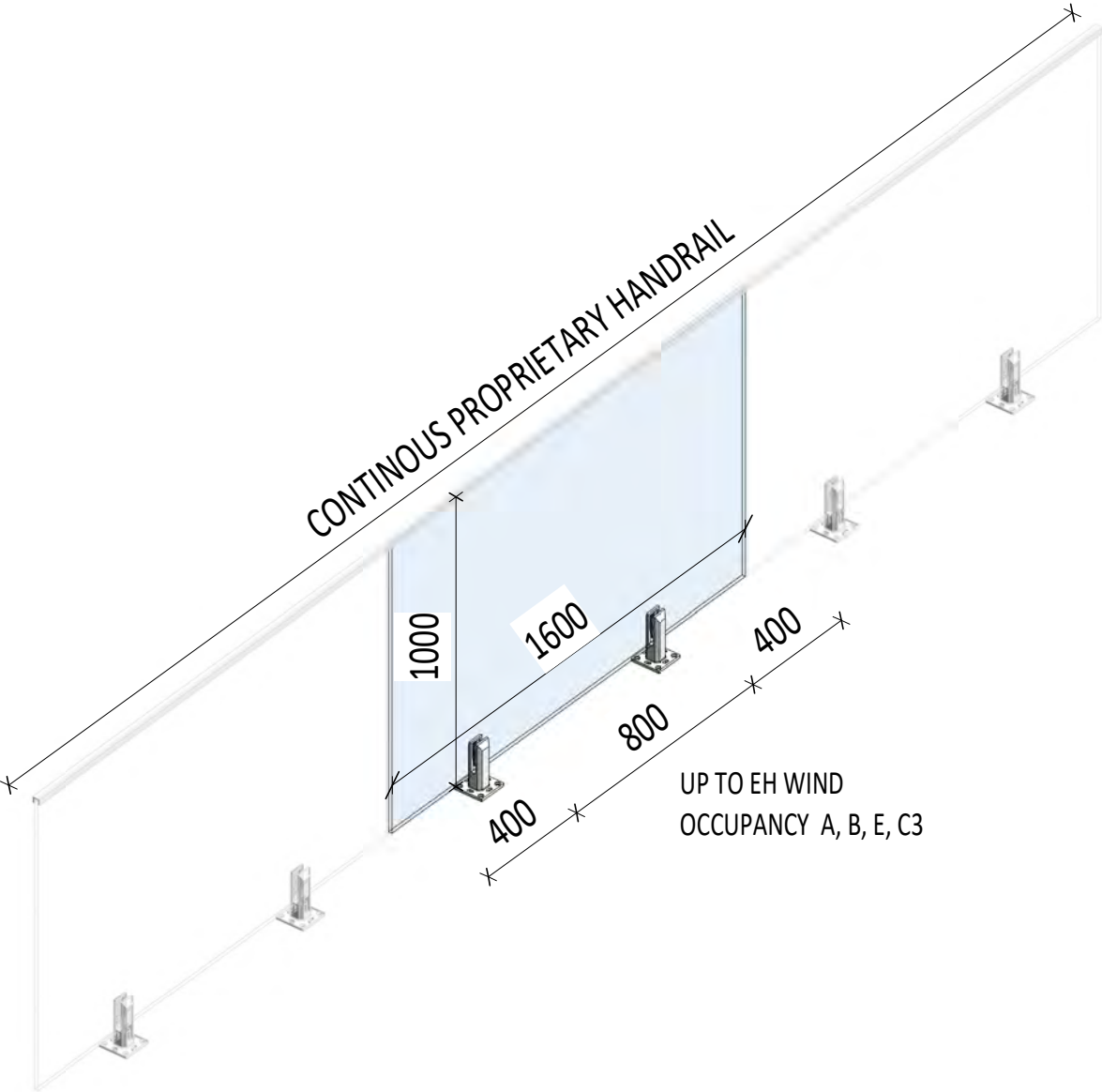
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BelAire Tekapo Balustrade Wind Zones



REF.	DESCRIPTION	DATE
R.2	MINOR AMENDMENTS	220525
R.3	FIXING REVISED	220816
R.4	CONCRETE FIXING REVISED	221202
scale: @A3	drawn: AM	checked: PM
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	drg no: TB01	rev: R.4

BelAire Tekapo Balustrade Wind Zones



7 Market Street
Napier. 4110

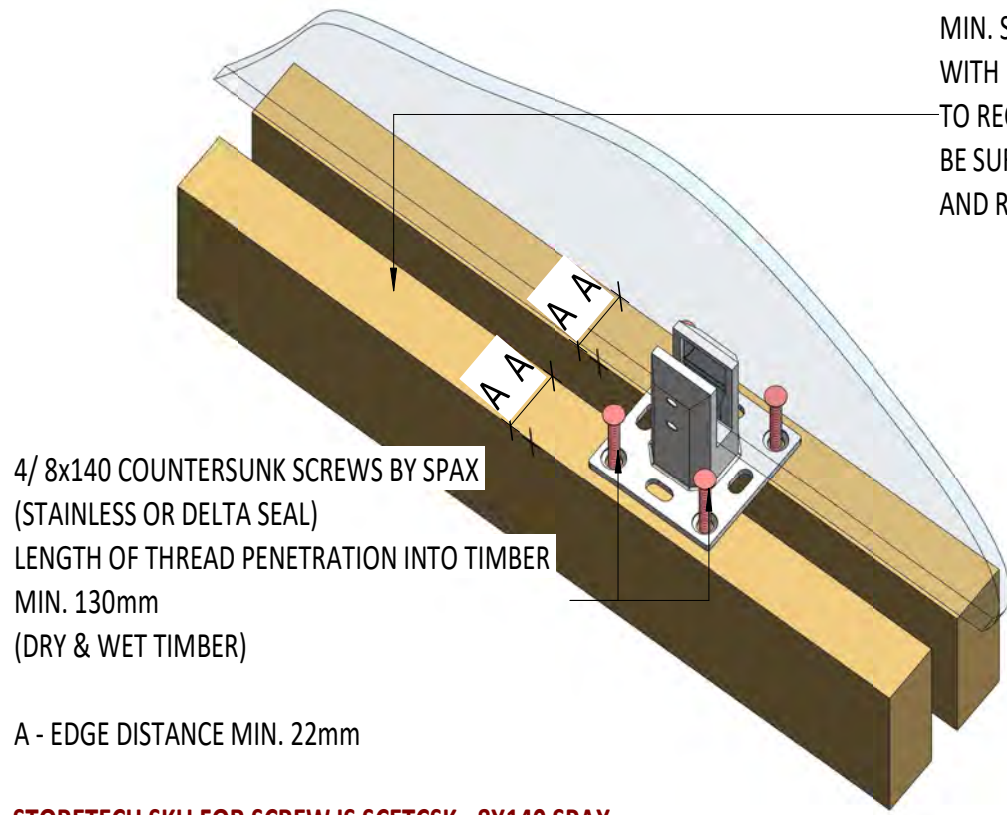
m. 0210398833, m.0211099712
www.extra-mile.co.nz, info@extra-mile.co.nz

Client:
STORETECH LIMITED

Project:
TEKAPO FIXING SPIGOT

Drawing:
PANEL SIZES - BALUSTRADE 2

REF.	DESCRIPTION					DATE
R.2	MINOR AMENDMENTS					220525
R.3	FIXING REVISED					220816
R.4	CONCRETE FIXING REVISED					221202
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: TB02	rev: R.4

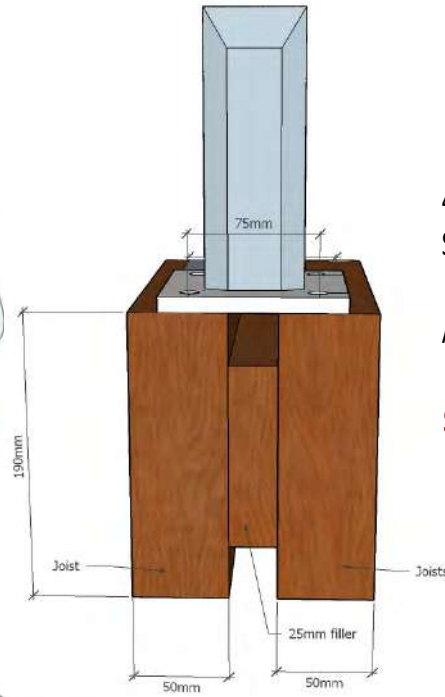


4/ 8x140 COUNTERSUNK SCREWS BY SPAX
(STAINLESS OR DELTA SEAL)
LENGTH OF THREAD PENETRATION INTO TIMBER
MIN. 130mm
(DRY & WET TIMBER)

A - EDGE DISTANCE MIN. 22mm

STORETECH SKU FOR SCREW IS SCETCSK - 8X140 SPAX

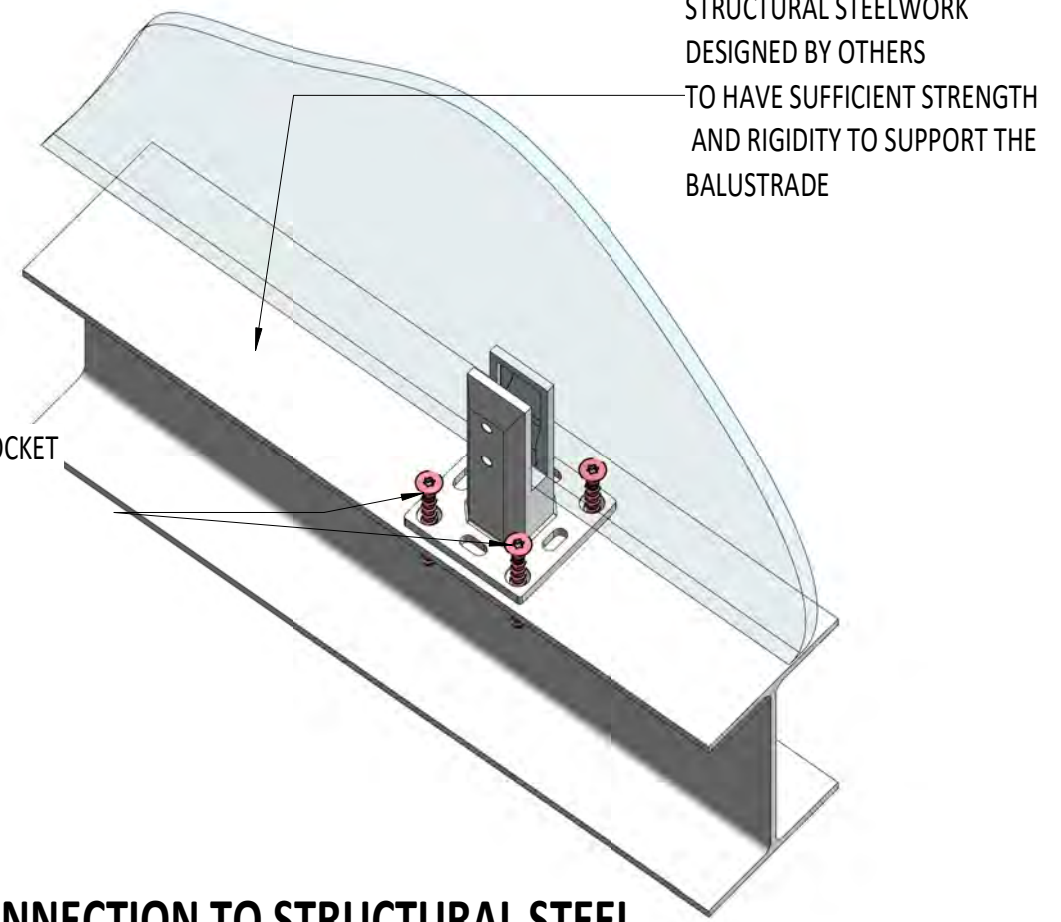
MIN. SG8 TIMBER SUBSTRUCTURE
WITH MEMBERS SUFFICIENTLY SPACED USING A 25MM PACKER BETWEEN JOISTS
TO RECEIVE BOLTS. THE SUBSTRUCTURE DESIGNED BY OTHERS TO
BE SUFFICIENTLY STRONG
AND RIGID TO TRANSFER THE BALUSTRADE LOADS



4/M10 CSK STAINLESS STEEL (A4) SOCKET
SCREWS

A - EDGE DISTANCE MIN. 15mm

STORETECH SKU N/A



STRUCTURAL STEELWORK
DESIGNED BY OTHERS
TO HAVE SUFFICIENT STRENGTH
AND RIGIDITY TO SUPPORT THE
BALUSTRADE

CONNECTION TO TIMBER

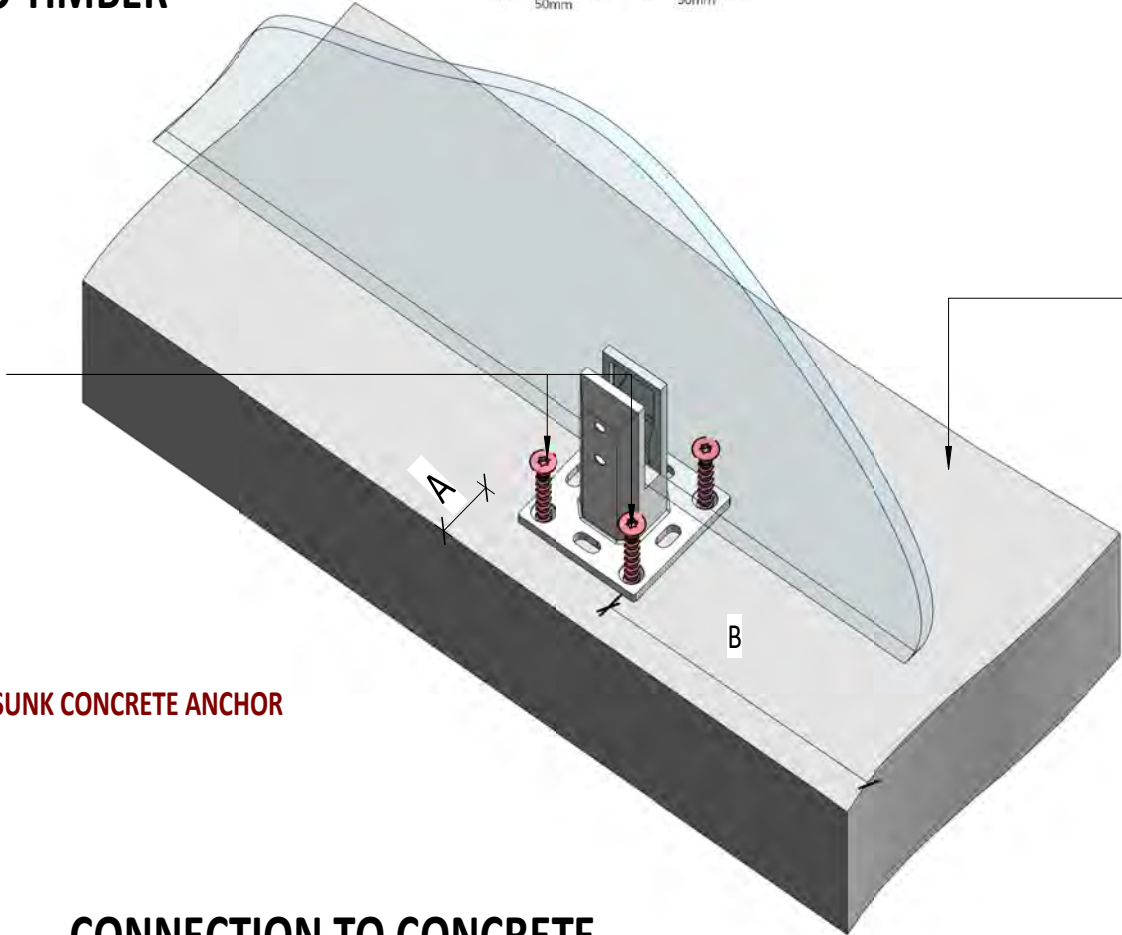
CONNECTION TO STRUCTURAL STEEL

MECHANICAL ANCHORS:
4/HST3-R 8 x 95
STAINLESS STEEL (A4) BY HILTI
MIN. 50mm EMBEDMENT
OR
TOGE TSM CSK 8 x 65Min A4
STAINLESS STEEL BY ICONS,
MIN.65mm INTO CONCRETE

A - EDGE DISTANCE MIN. 55mm

B - CORNER DIST. MIN. 265mm

STORETECH SKU - SCECCSA M8X95 STAINLESS COUNTERSUNK CONCRETE ANCHOR



SUFFICIENT STRENGTH AND RIGIDITY
TO SUPPORT THE BALUSTRADE

CONNECTION TO CONCRETE

IMPORTANT INSTALLATION INSTRUCTIONS:
ALL PROPRIETARY PRODUCTS INCLUDING ANCHORS MUST BE
INSTALLED IN STRICT ORDER WITH MANUFACTURER PROCEDURES.



7 Market Street
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Client:
STORETECH LIMITED

Project:
TEKAPO FIXING SPIGOT

Drawing:
POOL FENCE CONNECTION DETAILS

REF.	DESCRIPTION	DATE
R.2	MINOR AMENDMENTS	220525
R.3	FIXING REVISED	220816
R.4	CONCRETE FIXING REVISED	221202
scale: @A3	drawn: AM checked: PM status: P project no: 20073 drg no: TF03 rev: R.4	



RAKAIA

Wind and Fixing Specifications

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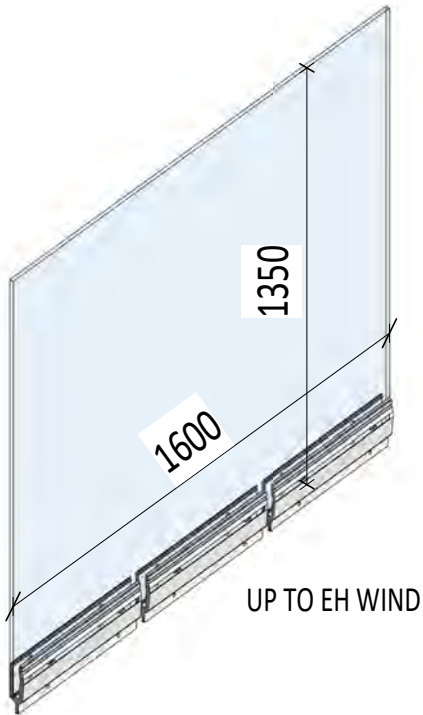
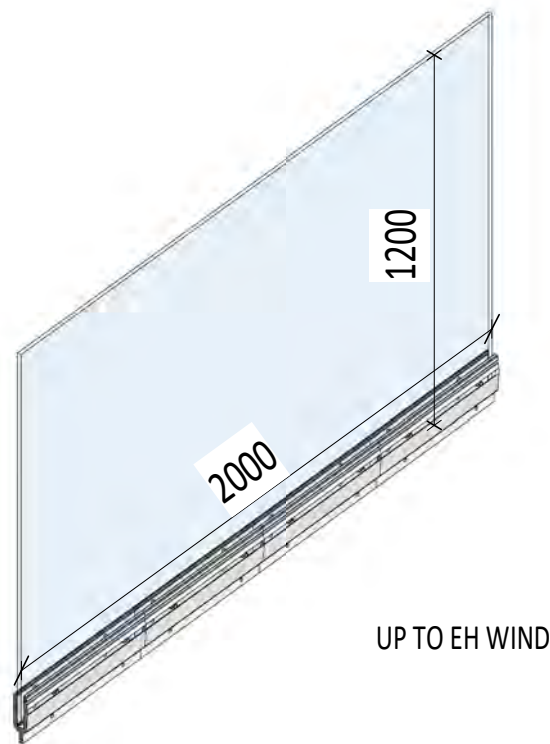
Max Panel Sizes for **VH** Wind Zones Balustrade

	Channel	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Rakaia Balustrade	Channel	1600W	1600W	1600W	A,B,E,C3	M8 x 140 Spax top fixing M10 x 140 Lag Screw bottom fixing	M8 x 140 Spax top fixing M10 x 140 Lag Screw bottom fixing	M8 x 75 Concrete Screw top fixing M10 x 70 Threaded rod with Chemset	40	50
Rakaia Pool Fence	Channel	1600W	1600W	1600W					40	50

Max Panel Sizes for **EH** Wind Zones Balustrade

	Channel	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Rakaia Balustrade	Channel	1600W	1600W	1600W	A,B,E,C3	M8 x 140 Spax top fixing M10 x 140 Lag	M8 x 140 Spax top fixing M10 x 140 Lag	M8 x 75 Concrete Screw top fixing M10 x 70 Threaded rod with	40	50
Rakaia Pool Fence	Channel	1600W	1600W	1600W					40	50

BelAire Rakaia Pool Fencing Wind Zones



Client:
STORETECH LIMITED

Project:
RAKAIA CHANNEL

Drawing:
PANEL SIZES - POOL FENCE

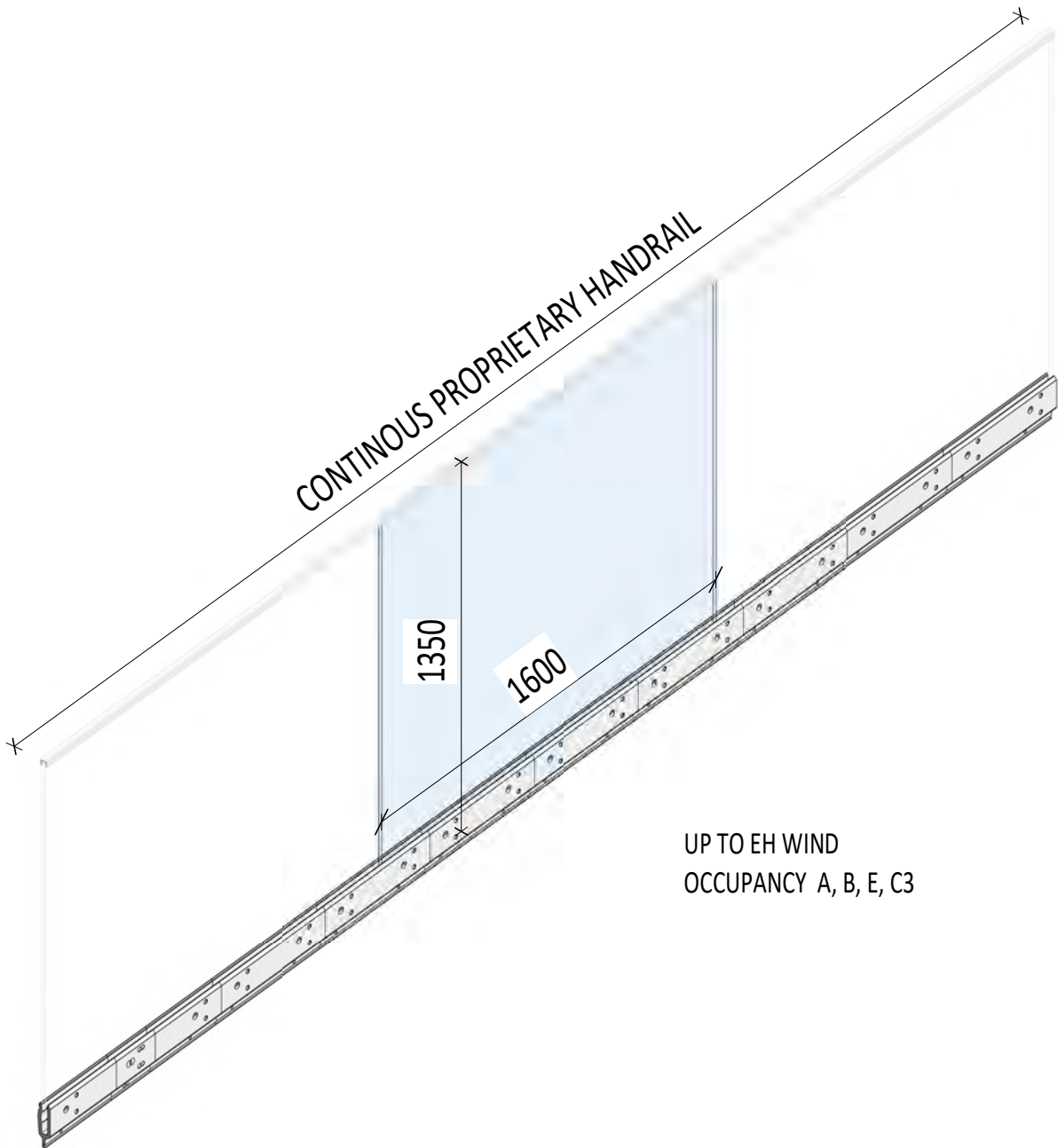
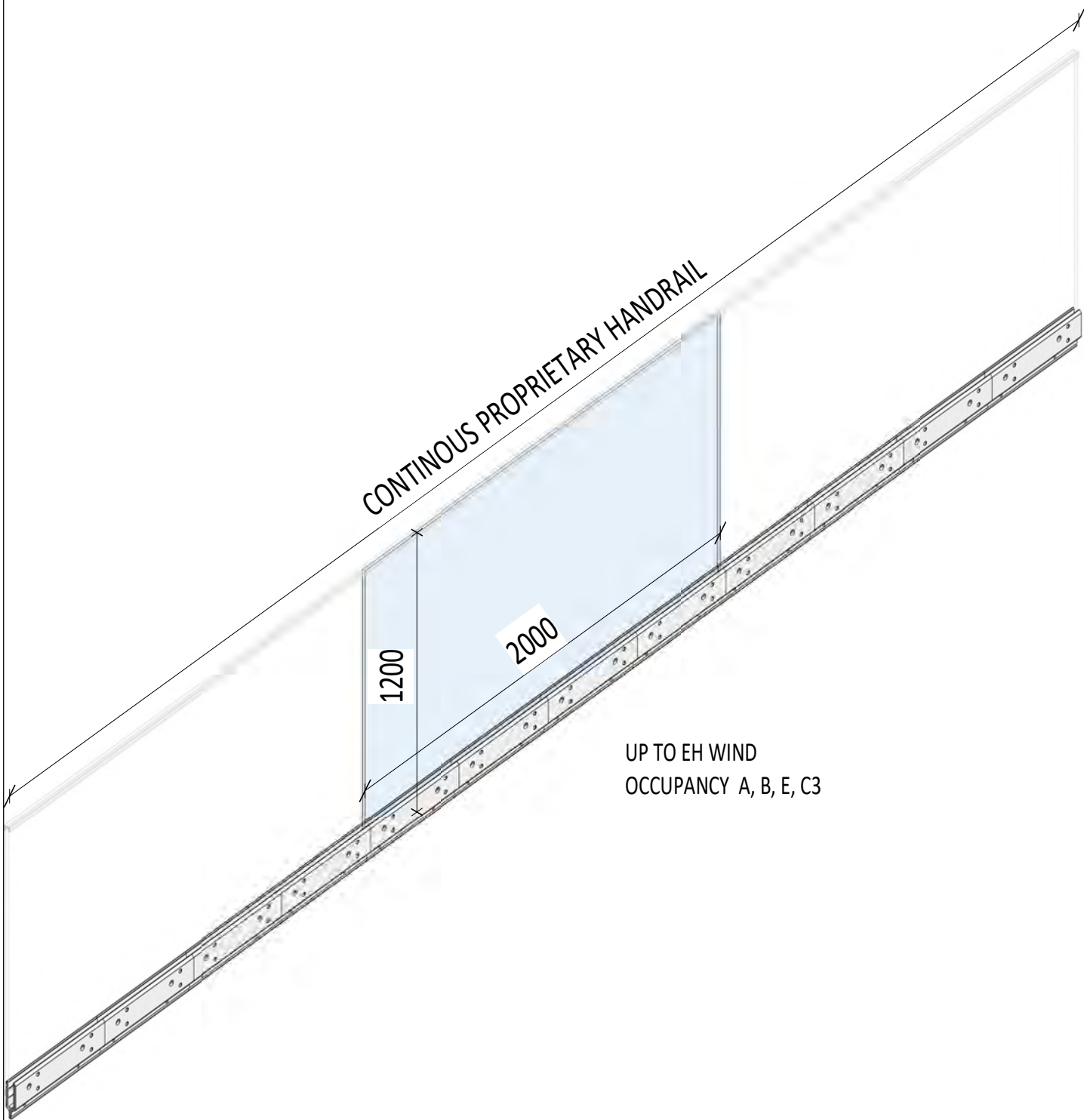


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REF.	DESCRIPTION						DATE
R.1	MINOR AMENDMENTS						220525
R.2	FIXING ADDED						220919
R.3	ONCRETE FIXING REVISED						221202
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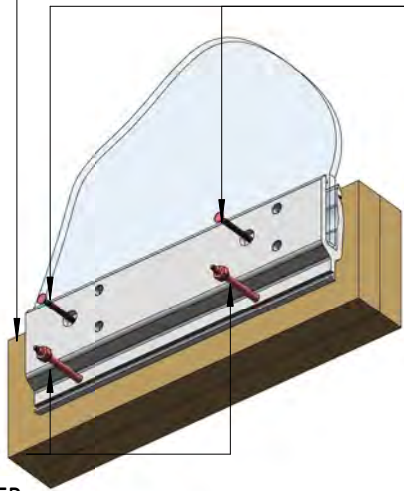
BelAire Rakaia Balustrade Wind Zones



REF.	DESCRIPTION					DATE
R.1	MINOR AMENDMENTS					220525
R.2	FIXING ADDED					220919
R.3	ONCRETE FIXING REVISED					221202
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: RB01	rev: R.3

MIN. SG8 TIMBER BY DESIGNED BY OTHERS
TO BE SUFFICIENTLY STRONG AND STIFF TO SUPPORT THE BALUSTRADE

M10 TREADED ROD
STAINLESS STEEL (A4)
2/NUTS E/S OF THE CHANNEL
AND 2/NUTS+SQ. WASHERS E/S OF TIMBER



OPTION 1

STORETECH SKU FOR SCREW IS SCETHR10

8x140 COUNTERSUNK SCREWS BY SPAX (STAINLESS OR DELTA SEAL)
LENGTH OF THREAD PENETRATION INTO TIMBER MIN. 100mm

Storetech Sku for screw is SCETCSK - 8X140 Spax

MIN. 40mm EDGE DISTANCE

SEPARATION BETWEEN BOLT HEAD AND GLASS TO BE MAINTAINED.

MIN. SG8 TIMBER BY DESIGNED BY OTHERS
TO BE SUFFICIENTLY STRONG AND STIFF TO SUPPORT THE BALUSTRADE

M10 X 140 LAG SCREW HEX DRIVE
STAINLESS STEEL (A4)
2/NUTS E/S OF THE CHANNEL
LENGTH OF THREAD PENETRATION INTO TIMBER MIN. 85mm

STORETECH SKU FOR SCREW IS SCELAG140 - 10X140 SPAX

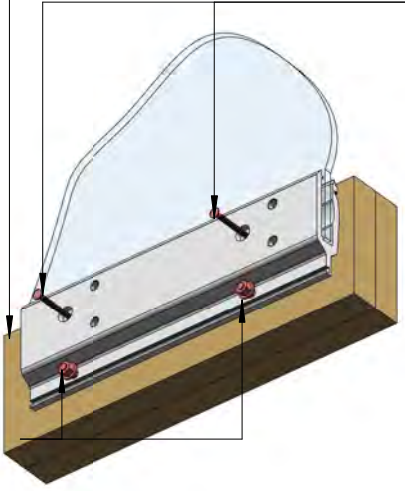
OPTION 2

8x140 COUNTERSUNK SCREWS BY SPAX (STAINLESS OR DELTA SEAL)
LENGTH OF THREAD PENETRATION INTO TIMBER MIN. 100mm

Storetech Sku for screw is SCETCSK - 8X140 Spax

MIN. 40mm EDGE DISTANCE

SEPARATION BETWEEN BOLT HEAD AND GLASS TO BE MAINTAINED.



MECHANICAL ANCHORS:

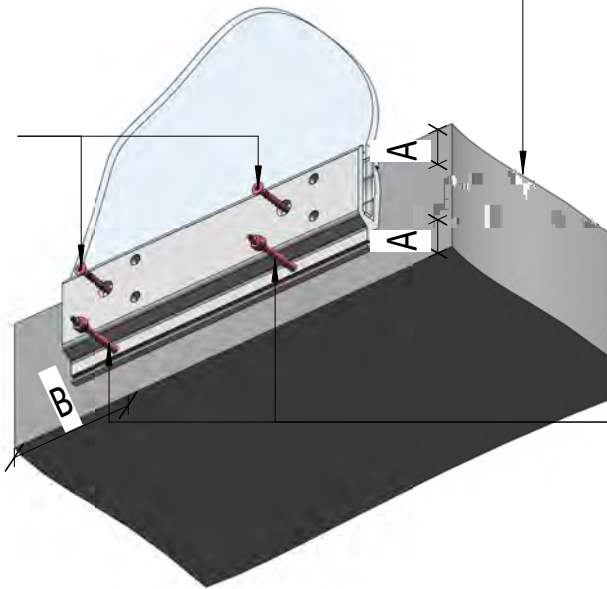
HUS-CR 8 x 75
STAINLESS STEEL (A4) BY HILTI
MIN. 80mm EMBEDMENT
OR

TOGE TSM CSK 8 x 65 A4
STAINLESS STEEL BY ICCONS,
MIN.65mm INTO CONCRETE

STORETECH SKU - SCECCSA M8X95
STAINLESS COUNTERSUNK CONCRETE ANCHOR

A - EDGE DISTANCE MIN. 50mm
B - CORNER DIST. MIN. 100mm

SEPARATION BETWEEN BOLT HEAD AND GLASS TO BE MAINTAINED.



CONNECTION TO CONCRETE

MIN. 25MPA CONCRETE
MIN. 190mm THK.
DESIGNED BY OTHERS TO HAVE SUFFICIENT STRENGTH AND RIGIDITY TO SUPPORT THE BALUSTRADE

CHEMICAL ANCHORS:
HIT-HY 200-R V3 INJECTION MORTAR + HAS-U M10 x 95 TREADED ROD STAINLESS STEEL(A4) BY HILTI
MIN. 60mm EMBEDMENT
OR
B+BTec BIS-HY GEN2 INJECTION MORTAR + M10 THREADED RODS 316/A4-70 STAINLESS STEEL BY ICCONS,
MIN.60mm INTO CONCRETE

STORETECH SKU FOR SCREW IS SCECHEM - CHEMSET THREADED ROD SCETHR10

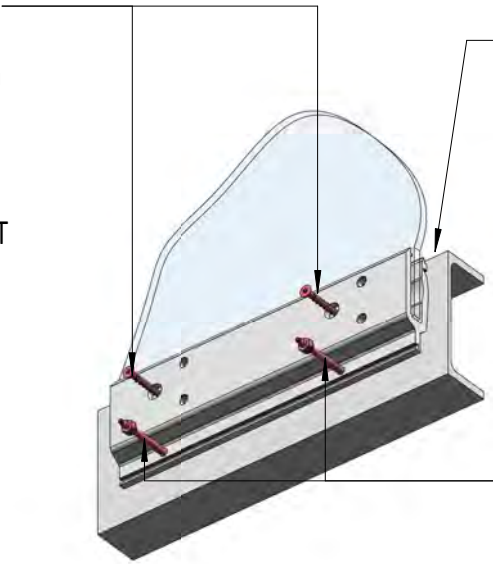
A - EDGE DISTANCE MIN. 50mm
B - CORNER DIST. MIN. 100mm

M10 CSK STAINLESS STEEL SOCKET SCREWS

MIN. EDGE DISTANCE 15mm

SEPARATION BETWEEN BOLT HEAD AND GLASS TO BE MAINTAINED.

STORETECH SKU N/A



STRUCTURAL STEELWORK
DESIGNED BY OTHERS TO HAVE SUFFICIENT STRENGTH AND RIGIDITY TO SUPPORT THE BALUSTRADE

M10 STAINLESS STEEL (A4) BOLTS, NUT E/S OF THE CHANNEL AND E/S OF SUPPORTING STEEL

CONNECTION TO STRUCTURAL STEEL

IMPORTANT INSTALLATION INSTRUCTIONS:

ALL PROPRIETARY PRODUCTS INCLUDING ANCHORS MUST BE INSTALLED IN STRICT ORDER WITH MANUFACTURER PROCEDURES.



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Client:
STORETECH LIMITED

Project:
RAKAIA CHANNEL

Drawing:
BALUSTRADE CONNECTION
DETAILS

REF.	DESCRIPTION	DATE
R.1	MINOR AMENDMENTS	220525
R.2	FIXING ADDED	220919
R.3	ONCRETE FIXING REVISED	221202
scale: @A3	drawn: AM checked: PM status: P project no: 20073 drg no: RB02 rev: R.3	



MILFORD

Wind and Fixing Specifications

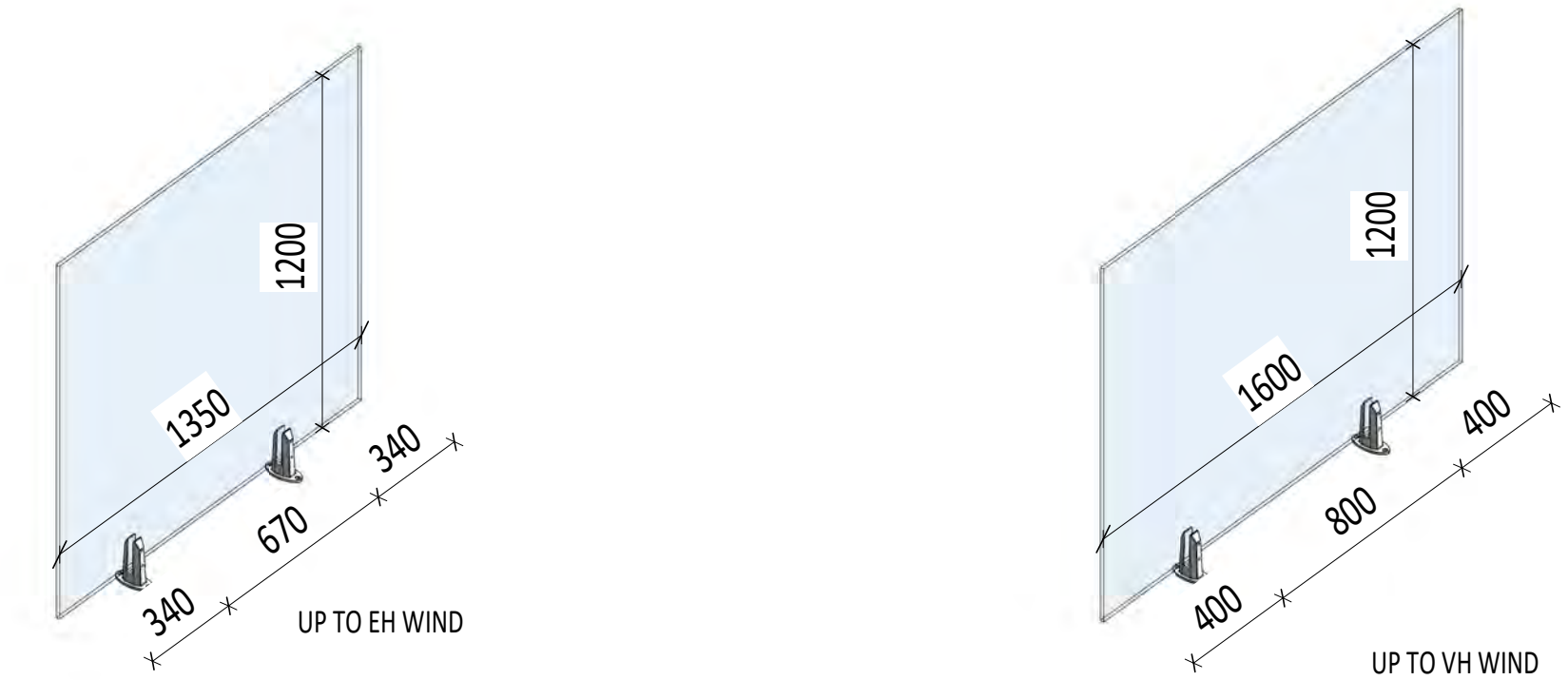


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Max Panel Sizes for VH Wind Zones Balustrade										
	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Milford Balustrade	2	1600W	1400W	Engineers Aproval	A,B,E,C3	M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	23	65
Milford Pool Fence	2	N/A	1600W	1250W (1600W 3 Spigots)		M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	23	65

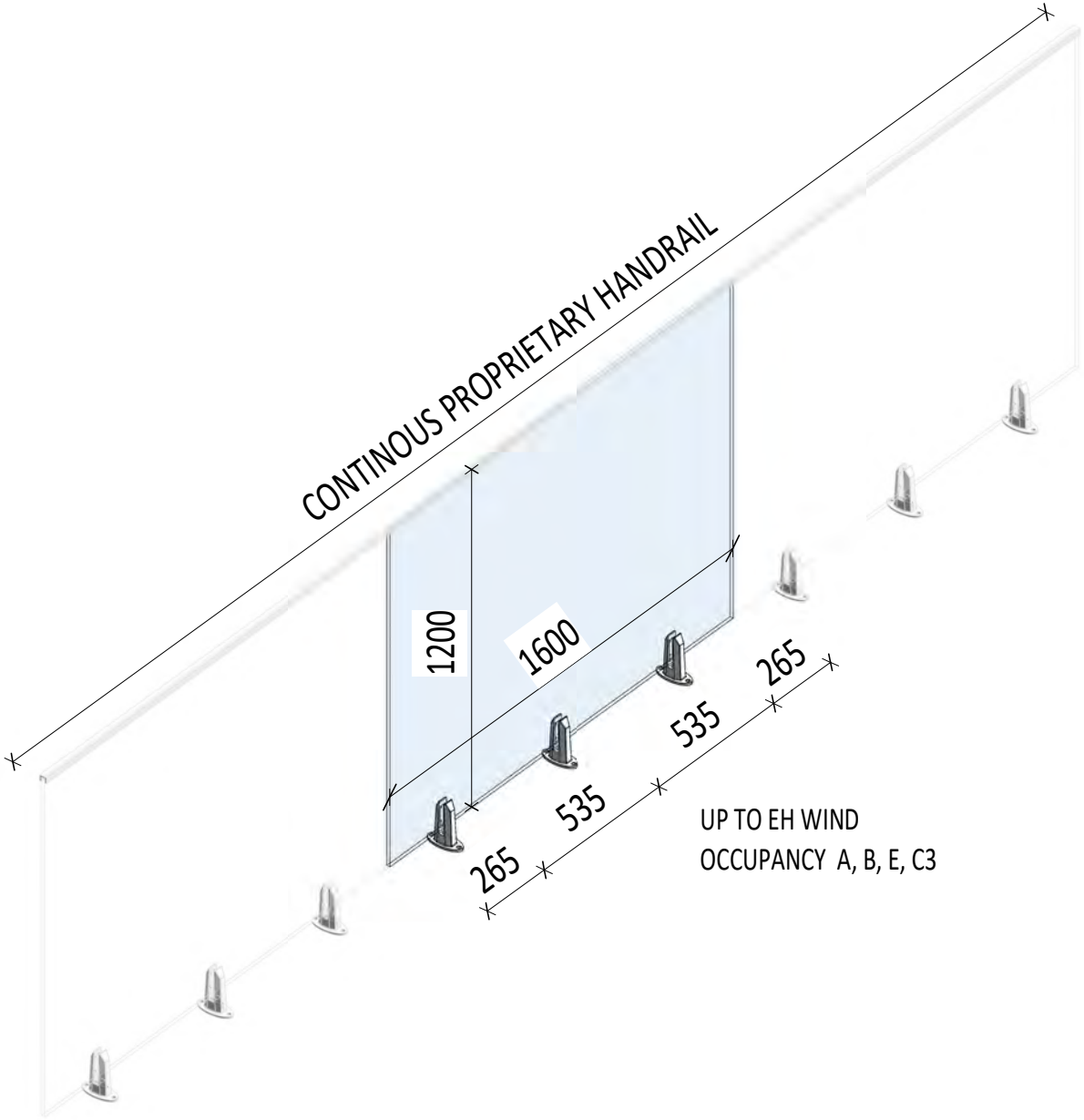
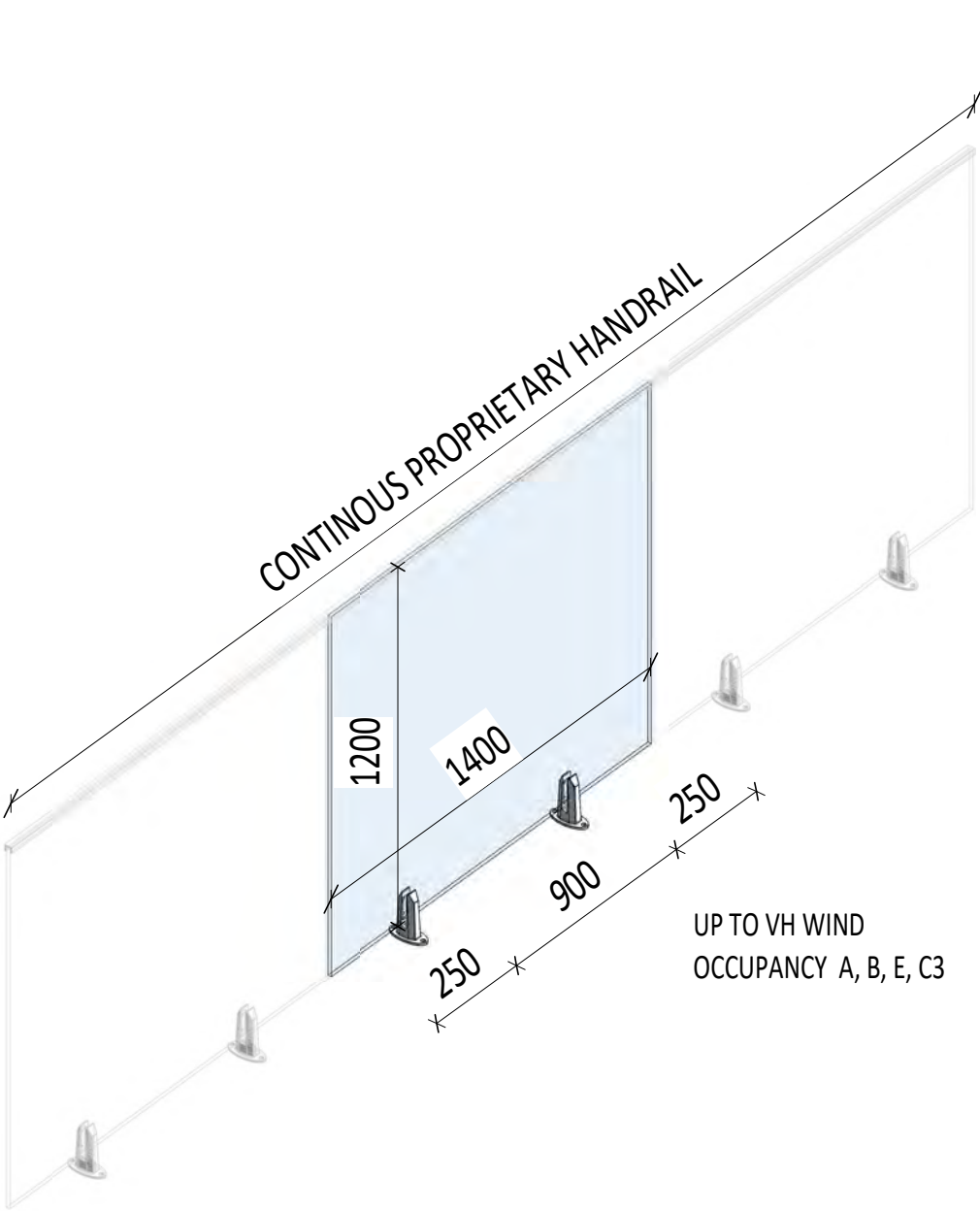
Max Panel Sizes for EH Wind Zones Balustrade										
	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Milford Balustrade	2	1600W	1600W (3 Spigots)	Engineers Aproval	A,B,E,C3	M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	23	65
Milford Pool Fence	2	N/A	1350W (1600 3 Spigots)	Engineers Aproval		M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	23	65

BelAire Milford Pool Fence Wind Zones



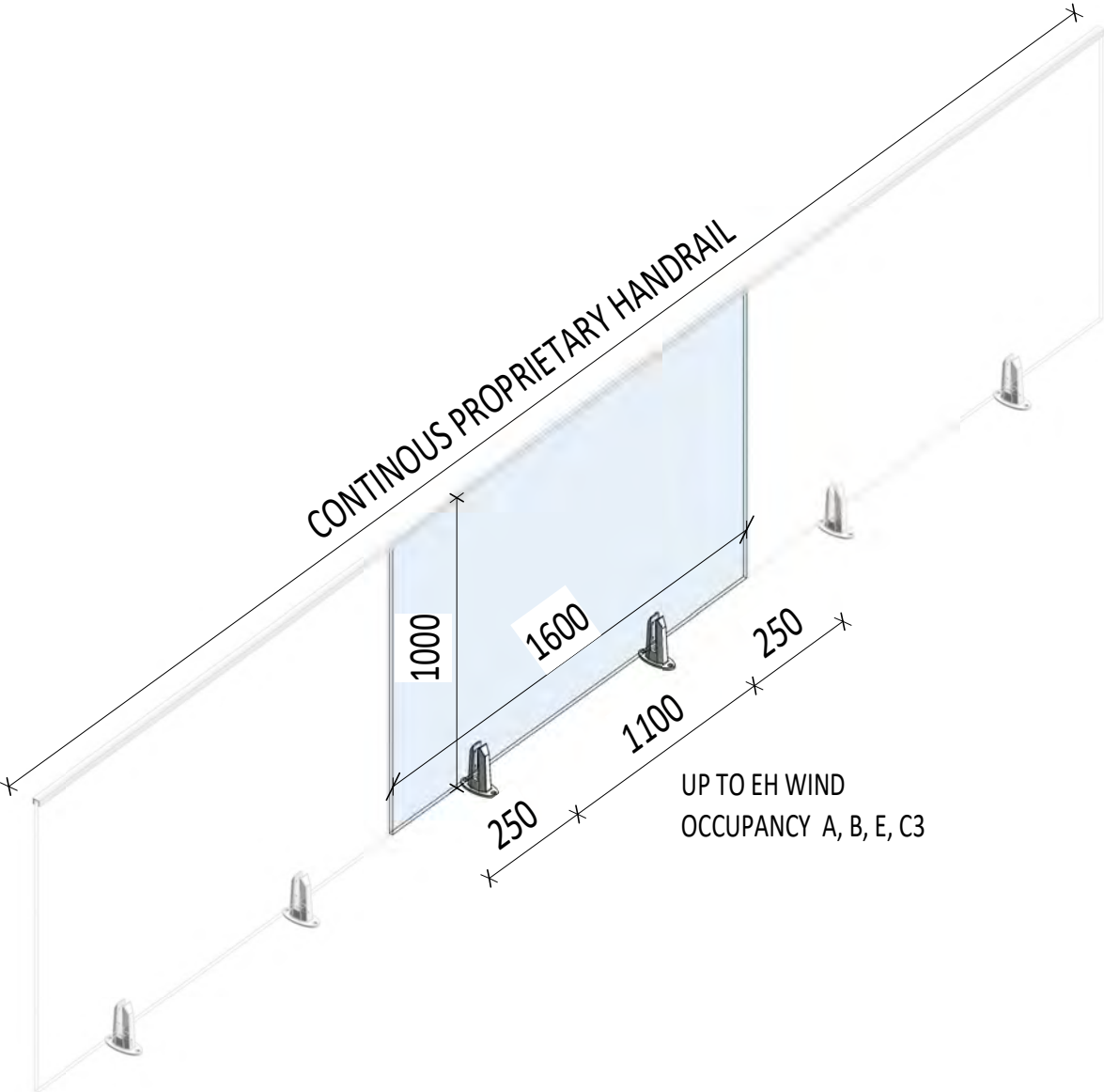
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R.0	INFORMATION					220525
R.1	CHEMICAL FIXING ADDED					220810
R.2	CONCRETE FIXING REVISED					221202
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BelAire Milford Balustrade Wind Zones



REF.	DESCRIPTION	DATE
R.0	INFORMATION	220525
R.1	CHEMICAL FIXING ADDED	220810
R.2	CONCRETE FIXING REVISED	221202
scale: @A3	drawn: AM	checked: PM
	status: P	project no: 20073
	drg no: MB01	rev: R.2

BelAire Milford Balustrade Wind Zones



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Client:
STORETECH LIMITED

Project:
MILFORD FIXING SPIGOT

Drawing:
PANEL SIZES - BALUSTRADE 2

REF.	DESCRIPTION					DATE
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R.1	CHEMICAL FIXING ADDED					220810
R.2	CONCRETE FIXING REVISED					221202
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KAWEKA

Wind and Fixing Specifications

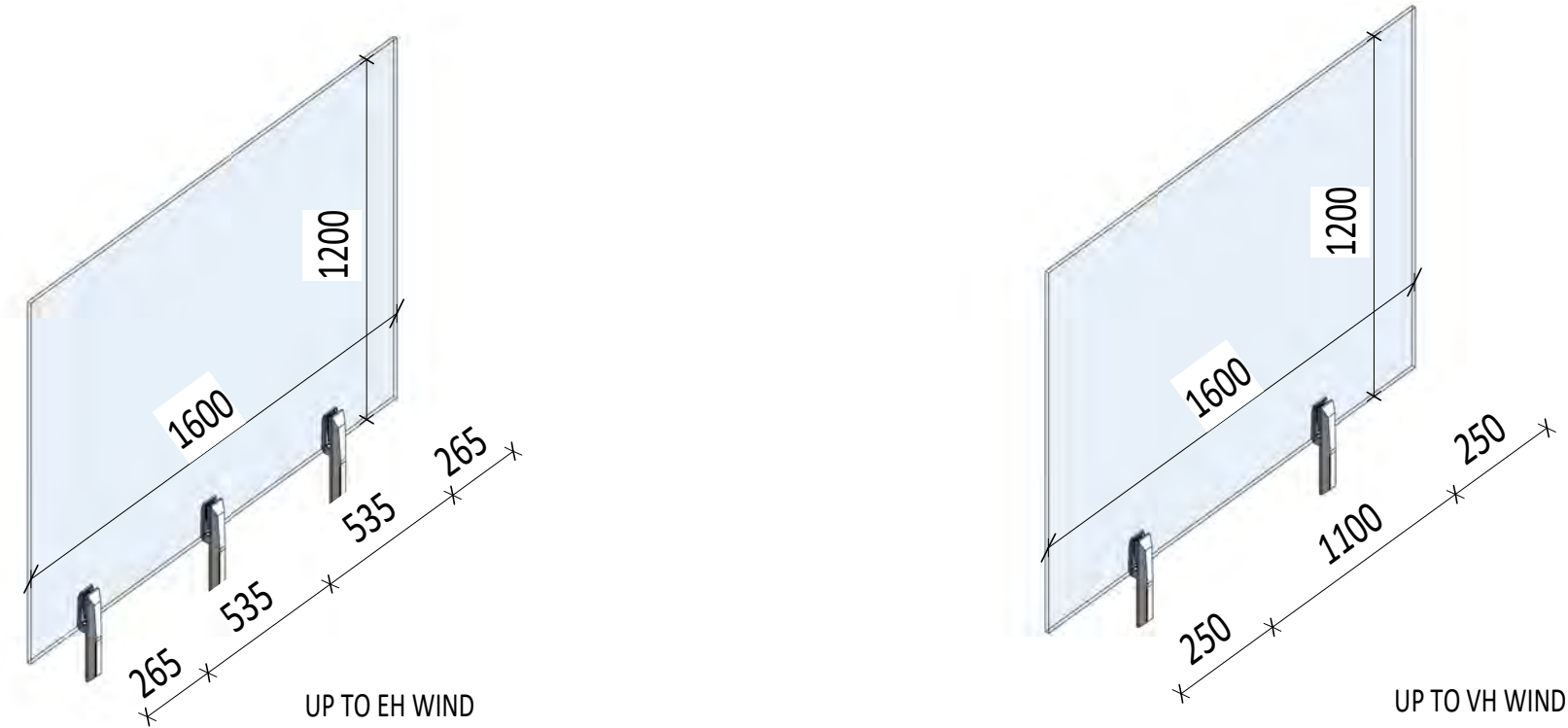
BelAire®
DESIGNER FENCING

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Max Panel Sizes for VH Wind Zones Balustrade										
	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Kaweka Balustrade	2	1600W	1400W	Engineers Aproval	A,B,E,C3	M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	50	65
Kaweka Pool Fence	2	N/A	1600W	1250W (1600W 3 Spigots)		M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	50	65

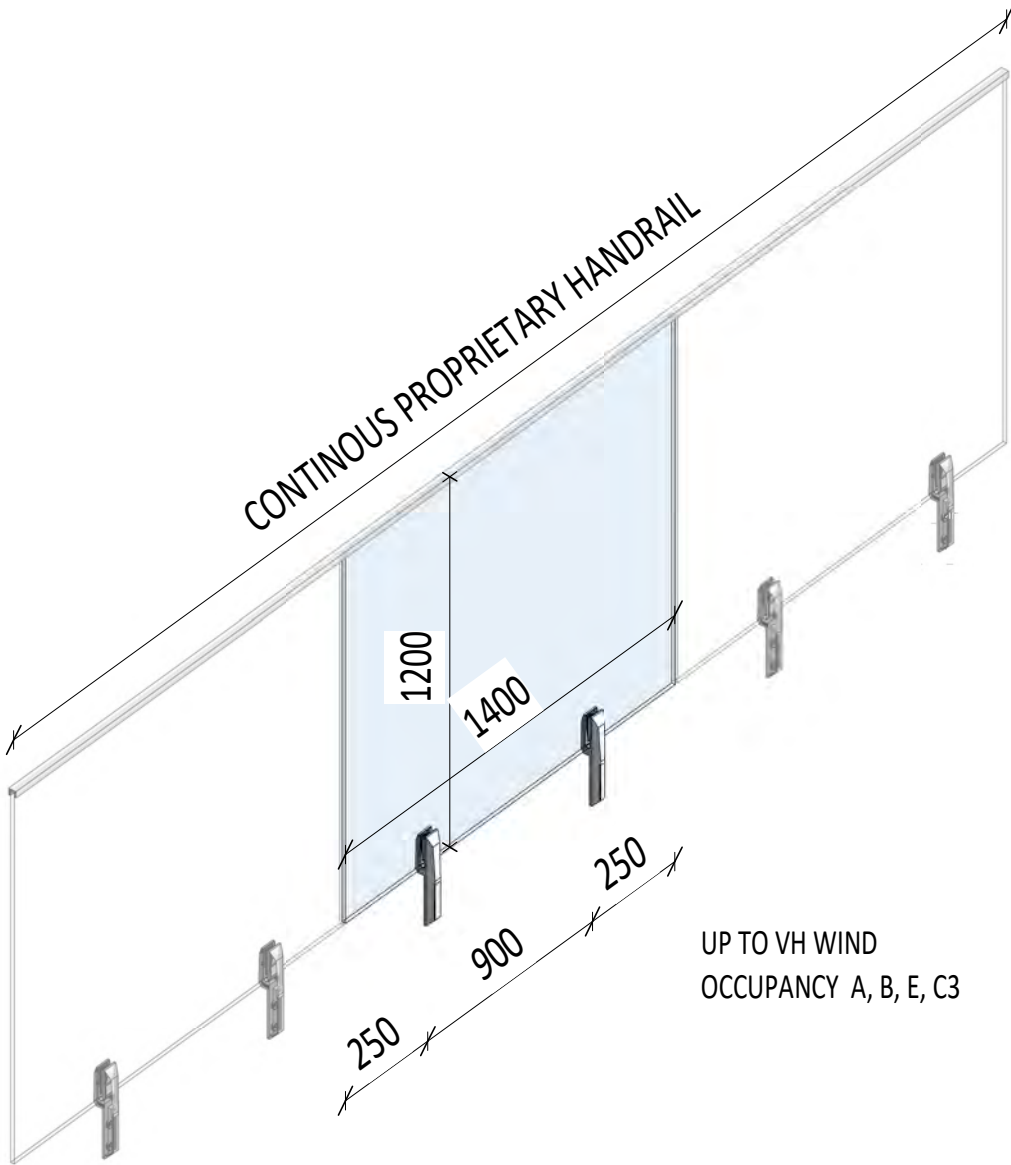
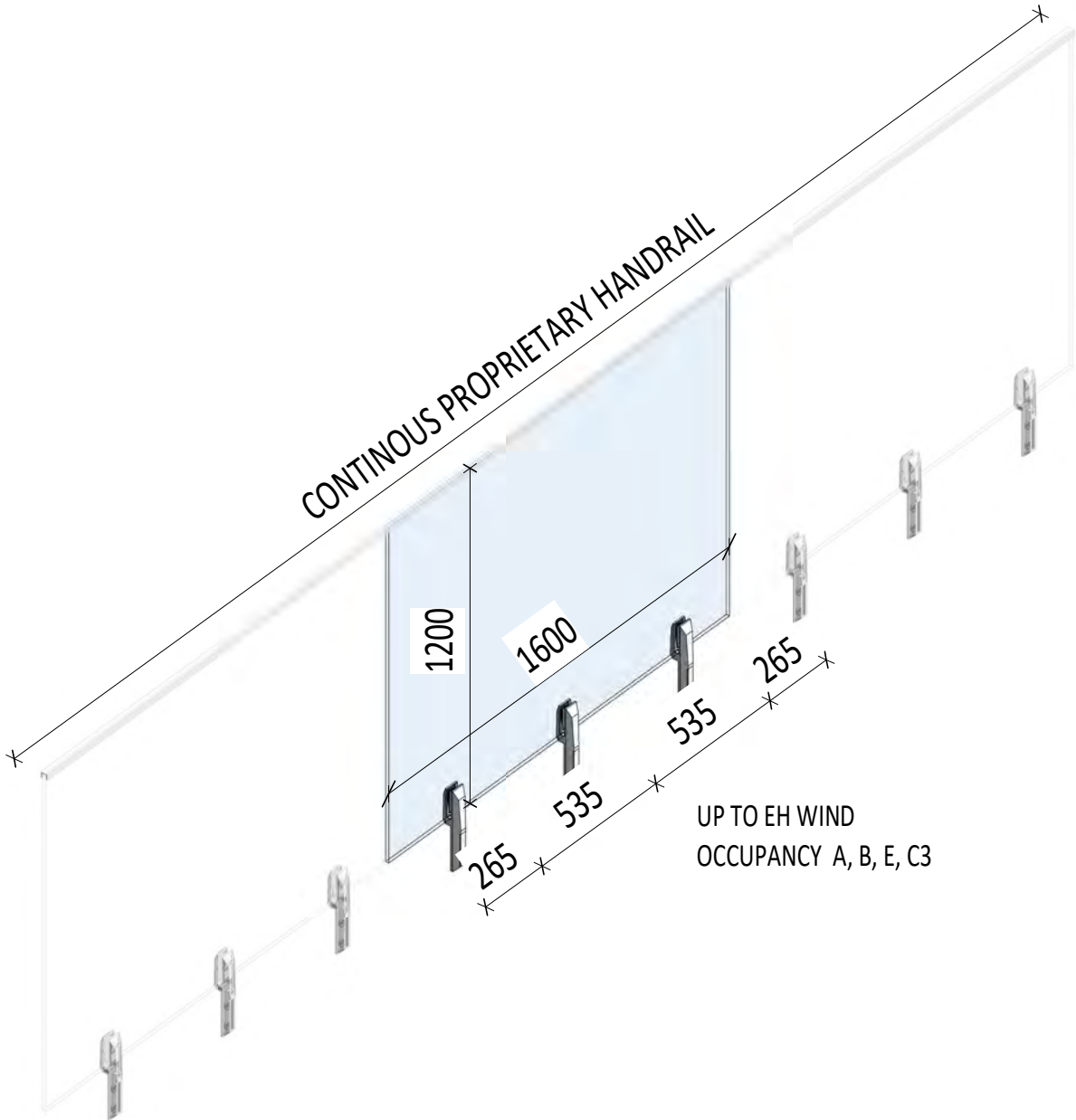
Max Panel Sizes for EH Wind Zones Balustrade										
	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Kaweka Balustrade	2	1600W	1600W (3 Spigots)	Engineers Aproval	A,B,E,C3	M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	50	65
Kaweka Pool Fence	2	N/A	1350W (1600 3 Spigots)	Engineers Aproval		M12 x 130 Coach Screw	M12 x 130 Coach Screw	M12 x 110 Concrete Screw	50	65

BelAire Kaweka Pool Fence Wind Zones



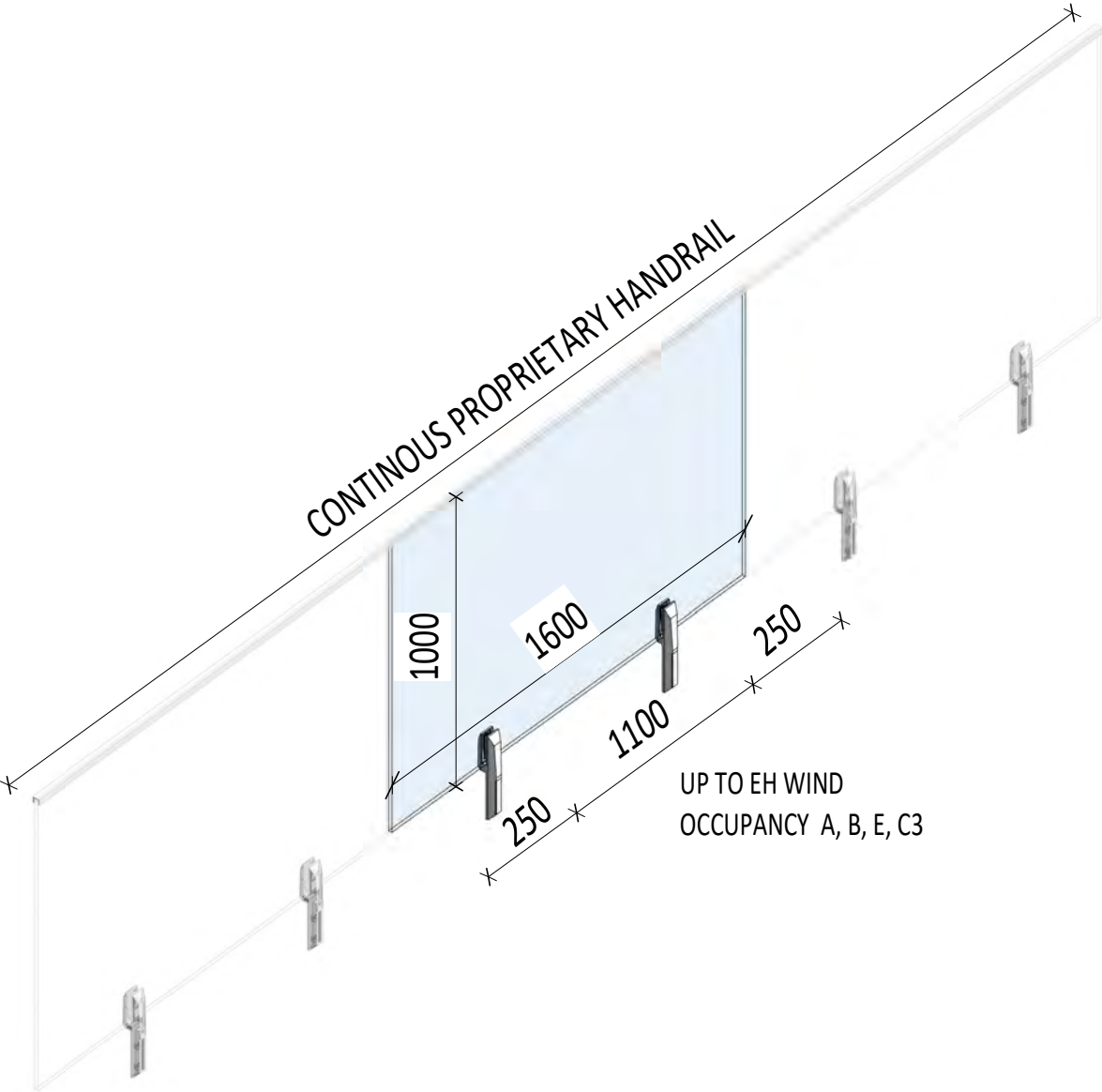
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R.2	CONCRETE FIXING REVISED					221202
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: KF01	rev: R.2

BelAire Kaweka Balustrade Wind Zones



REF.	DESCRIPTION						DATE
R.0	INFORMATION						220719
R.1	CHEMICAL FIXING ADDED						220919
R.2	CONCRETE FIXING REVISED						221202
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: KB01	rev: R.2	

BelAire Kaweka Balustrade Wind Zones



UP TO EH WIND
OCCUPANCY A, B, E, C3



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Client:
STORETECH LIMITED

Project:
KAWEKA FIXING SPIGOT

Drawing:
PANEL SIZES - BALUSTRADE 2

REF.	DESCRIPTION						DATE
R.0	INFORMATION						220719
R.1	CHEMICAL FIXING ADDED						220919
R.2	CONCRETE FIXING REVISED						221202
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: KB02	rev: R.2	

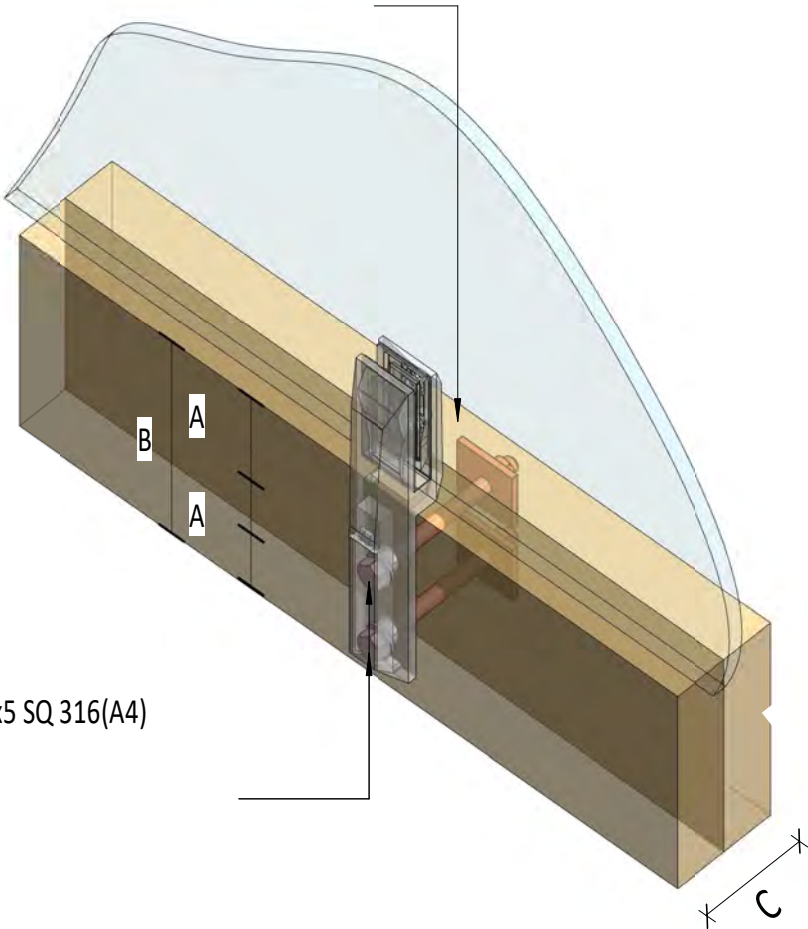
MIN. SG8 TIMBER BY DESIGNED BY OTHERS,
TO BE SUFFICIENTLY STRONG AND STIFF TO TRANSFER THE BALUSTRADE
LOADS

B - TIMBER DEPTH MIN. $A+70+A=170\text{mm}$
C - TIMBER WIDTH MIN. 90mm

2/ M12 316(A4) HEX HEAD BOLTS WITH 50x5 SQ 316(A4)
WASHERS FROM TIMBER SIDE.

STORETECH SKU SCETHR12

A - EDGE DISTANCE MIN. 50mm



OPTION 1

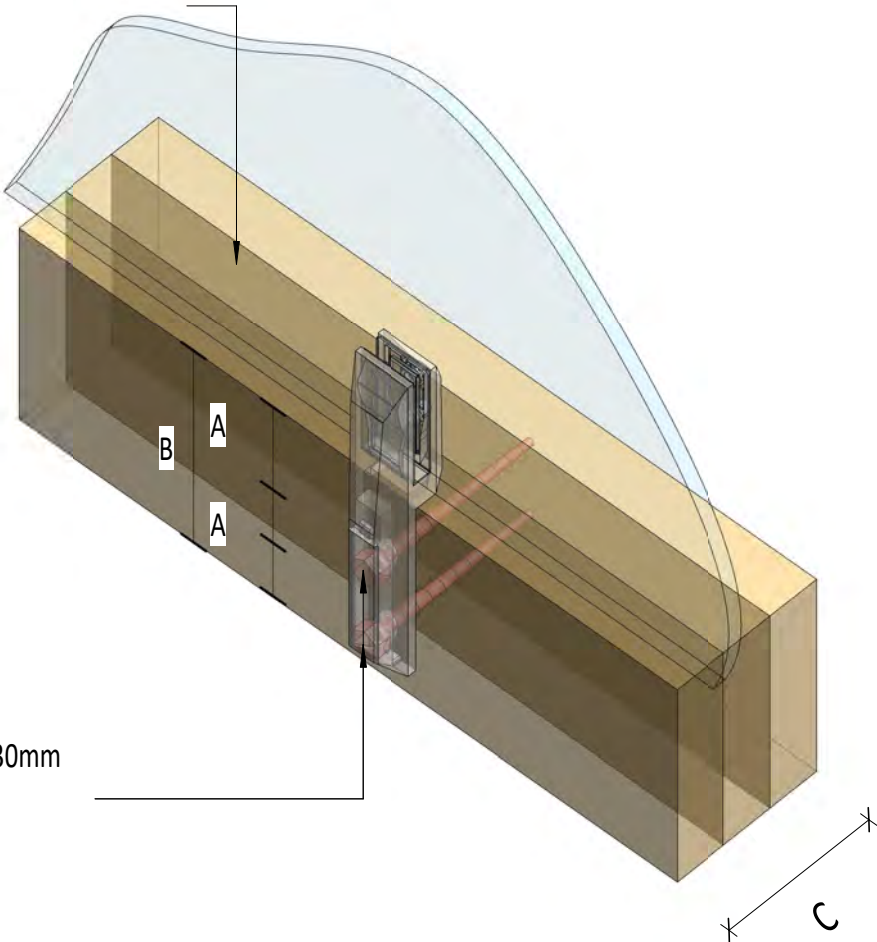
MIN. SG8 TIMBER BY DESIGNED BY OTHERS,
TO BE SUFFICIENTLY STRONG AND STIFF TO TRANSFER THE BALUSTRADE
LOADS

B - MIN. TIMBER DEPTH $A+70+A=170\text{mm}$
C - MIN. TIMBER WIDTH 135mm

2/ M12 316(A4) HEX HEAD COACH SCREWS
LENGTH OF THREAD PENETRATION INTO TIMBER MIN. 130mm

STORETECH SKU FOR SCREW IS SCETHX - 12X130 COACH
SCREW

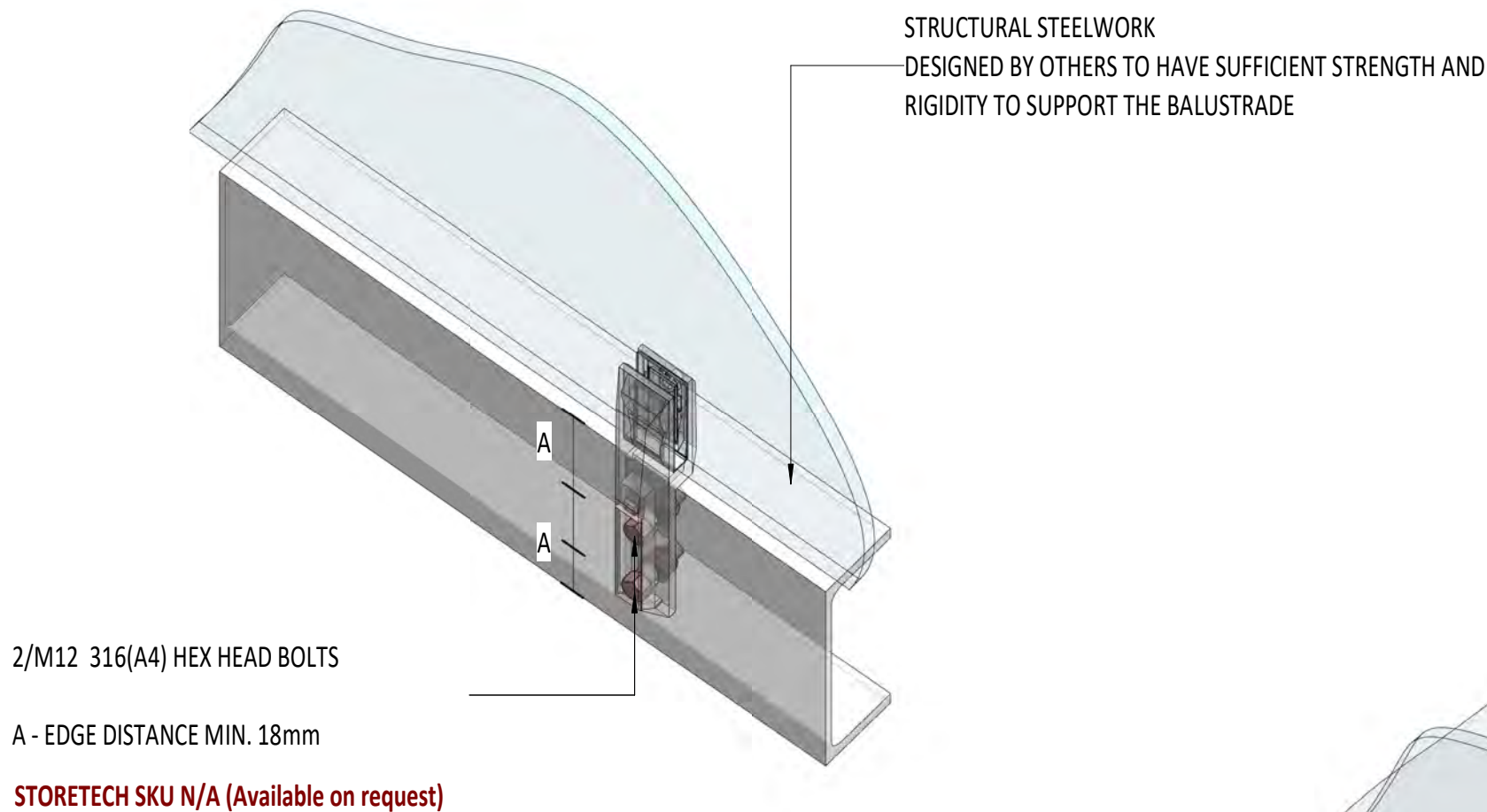
A - MIN. EDGE DISTANCE MIN. 50mm



OPTION 2

CONNECTION TO TIMBER

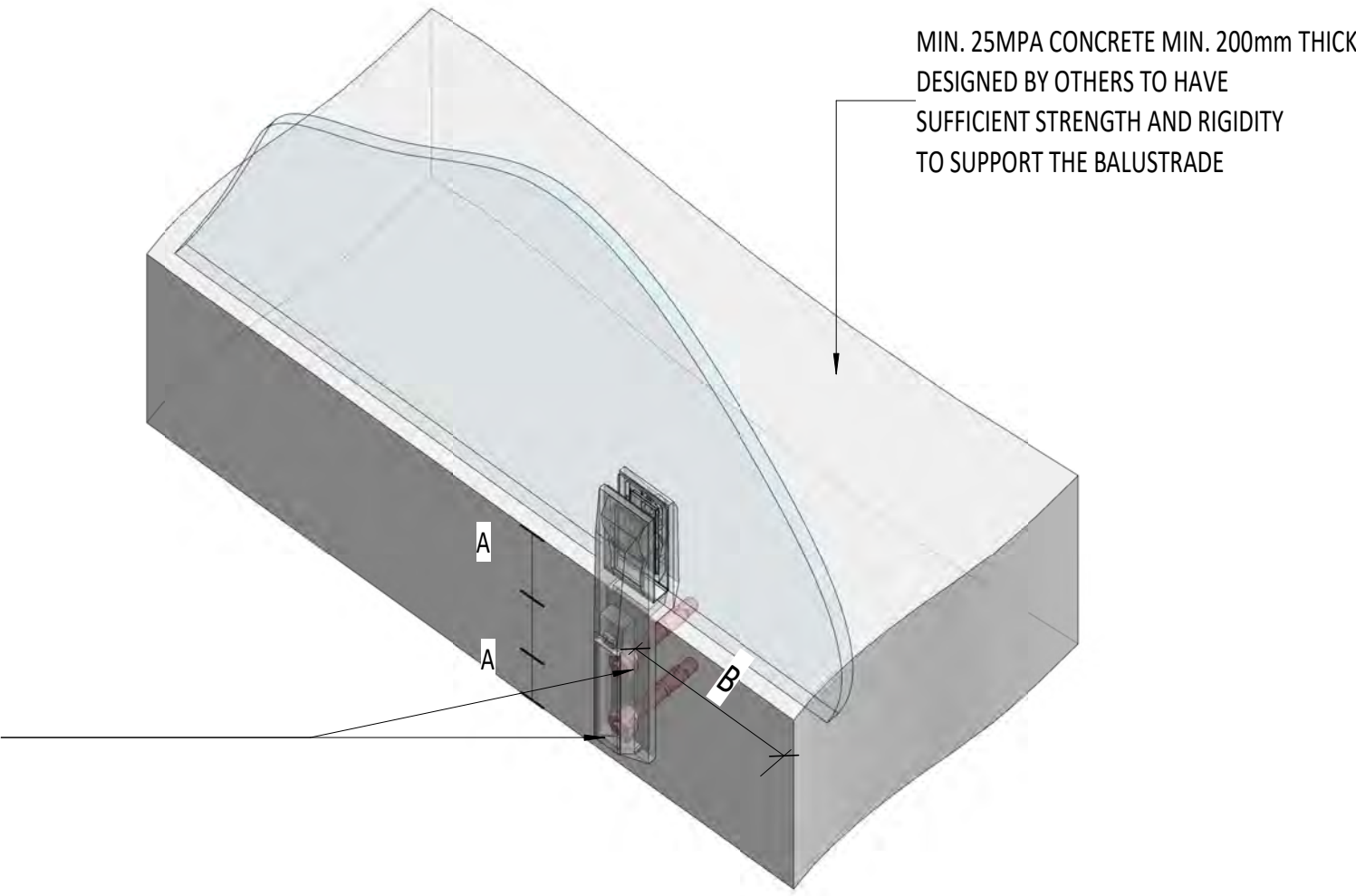
REF.	DESCRIPTION						DATE
R.0	INFORMATION						220719
R.1	CHEMICAL FIXING ADDED						220919
R.2	CONCRETE FIXING REVISED						221202
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: KF03	rev: R.2	



CONNECTION TO STRUCTURAL STEEL

MECHANICAL ANCHORS:
2/HSA-R M12 x 115 (A4) STAINLESS STEEL BY HILTI,
Or
2/ XTM HEX HEAD M12 X 110 (A4) STAINLESS STEEL BY
ICCONS
Min.80mm INTO CONCRETE
STORETECH SKU SCECHSA
STORETECH SKU SCETHR12 THREADED ROD AND NUT
STORETECH SKU CHEMSET SCECHEM
CHEMICAL ANCHORS:
HIT-HY 170 INJECTION MORTAR + 2/HAS-U M12 x 110 TREADED RODS (A4) STAINLESS STEEL BY HILTI,

A - EDGE DISTANCE MIN. 65mm,
B - CORNER DISTANCE MIN. 265mm



CONNECTION TO CONCRETE

IMPORTANT INSTALLATION INSTRUCTIONS:
ALL PROPRIETARY PRODUCTS INCLUDING ANCHORS MUST BE
INSTALLED IN STRICT ORDER WITH MANUFACTURER PROCEDURES.



AORAKI

Wind and Fixing Specifications

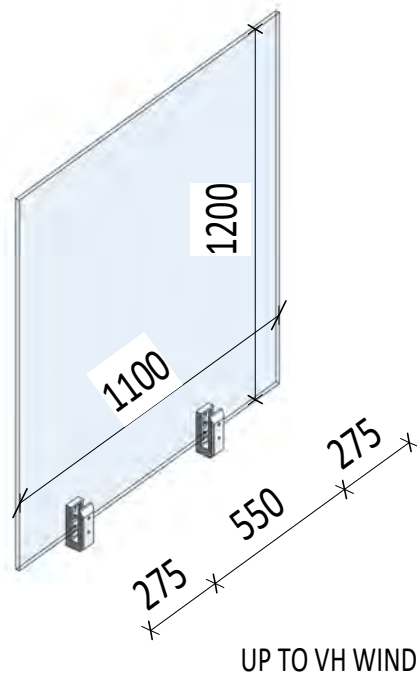
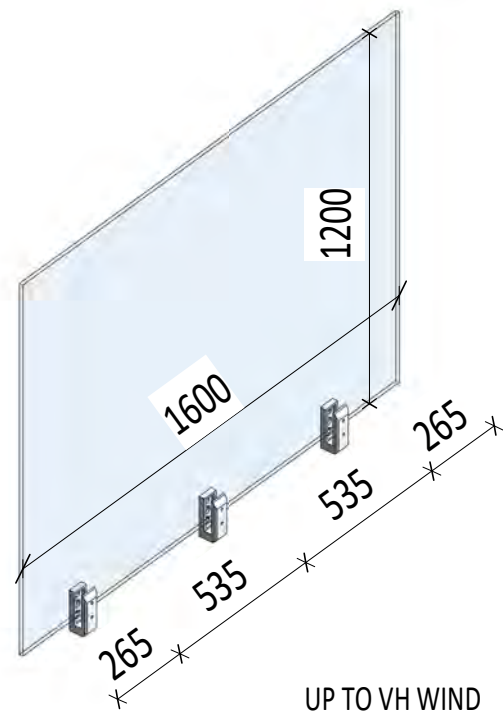
BelAire®
DESIGNER FENCING

...make it your own!

Max Panel Sizes for VH Wind Zones Balustrade										
	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Aoraki Balustrade	2	1100W (1600W 3 Spigots)	(1400W 3 Spigots)	Engineers Approval	A,B,E,C3	M12 x 150mm Lag Screw	M12 x 150mm Lag Screw	M12 x 115 Threaded rod and chemset	50	65
Aoraki Pool Fencing	2	N/A	1100W (1600W 3 Spigots)	Engineers Approval		M12 x 150mm Lag Screw	M12 x 150mm Lag Screw	M12 x 115 Threaded rod and chemset	50	65

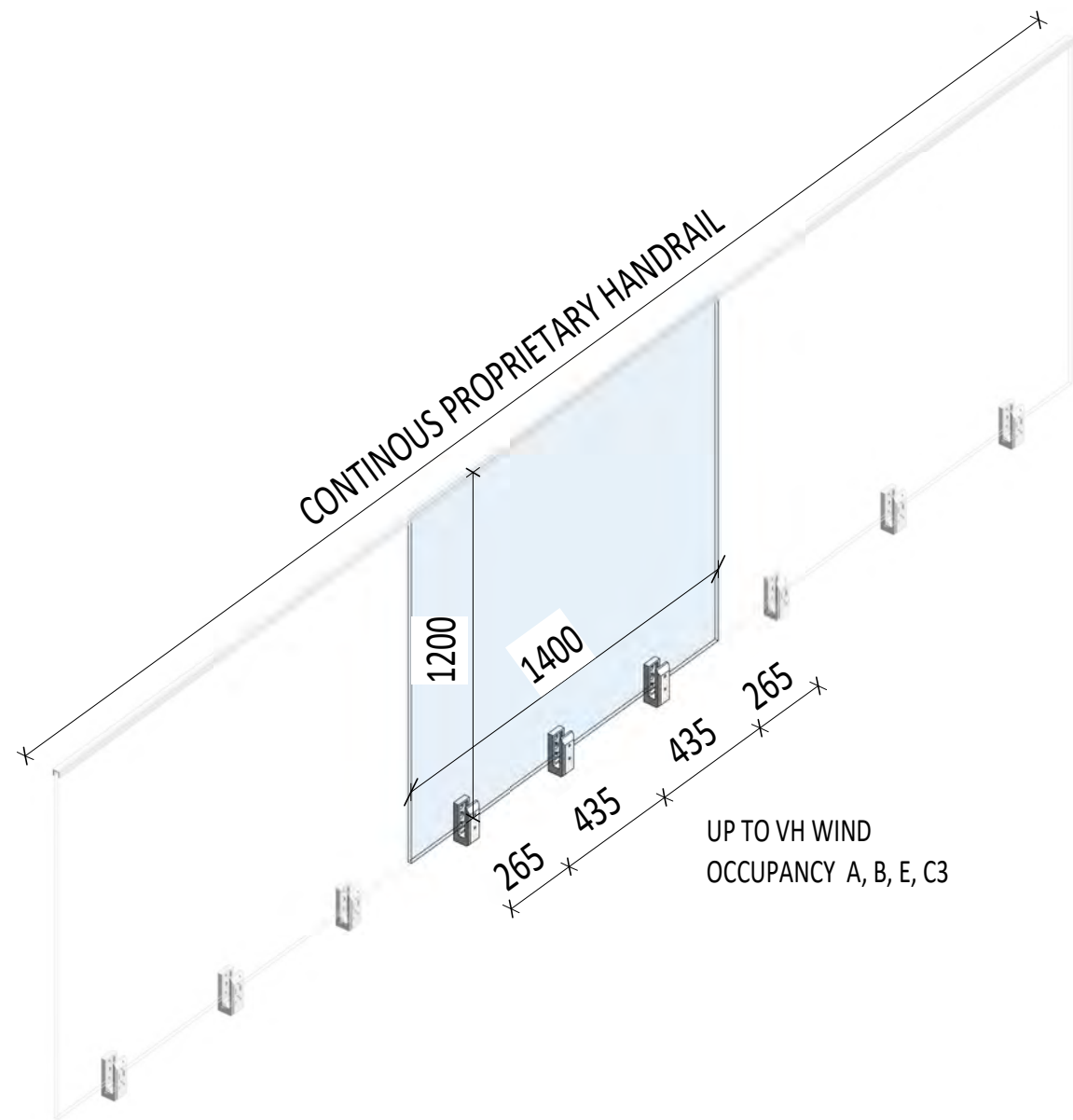
Max Panel Sizes for EH Wind Zones Balustrade										
	Spigot Qty	1000mm high Glass	1200mm High Glass	1350mm High Glass	Occupancy	Fixing Wet Timber	Fixing Dry Timber	Concrete	Edge distance Timber	Edge Distance Concrete
Aoraki Balustrade	2	N/A	N/A	N/A	A,B,E,C3	M12 x 150mm Lag Screw	M12 x 150mm Lag Screw	M12 x 115 Threaded rod and chemset	50	65
Aoraki Pool Fencing	2	N/A	N/A	N/A		M12 x 150mm Lag Screw	M12 x 150mm Lag Screw	M12 x 115 Threaded rod and chemset	50	65

BelAire Aoraki Pool Fence Wind Zones



REF.	DESCRIPTION					DATE
R.0	INFORMATION					220525
R.1	FIXING ADDED					220919
R.2	CONCRETE FIXING REVISED					221102
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: AF01	rev: R.2

BelAire Aoraki Balustrade Wind Zones



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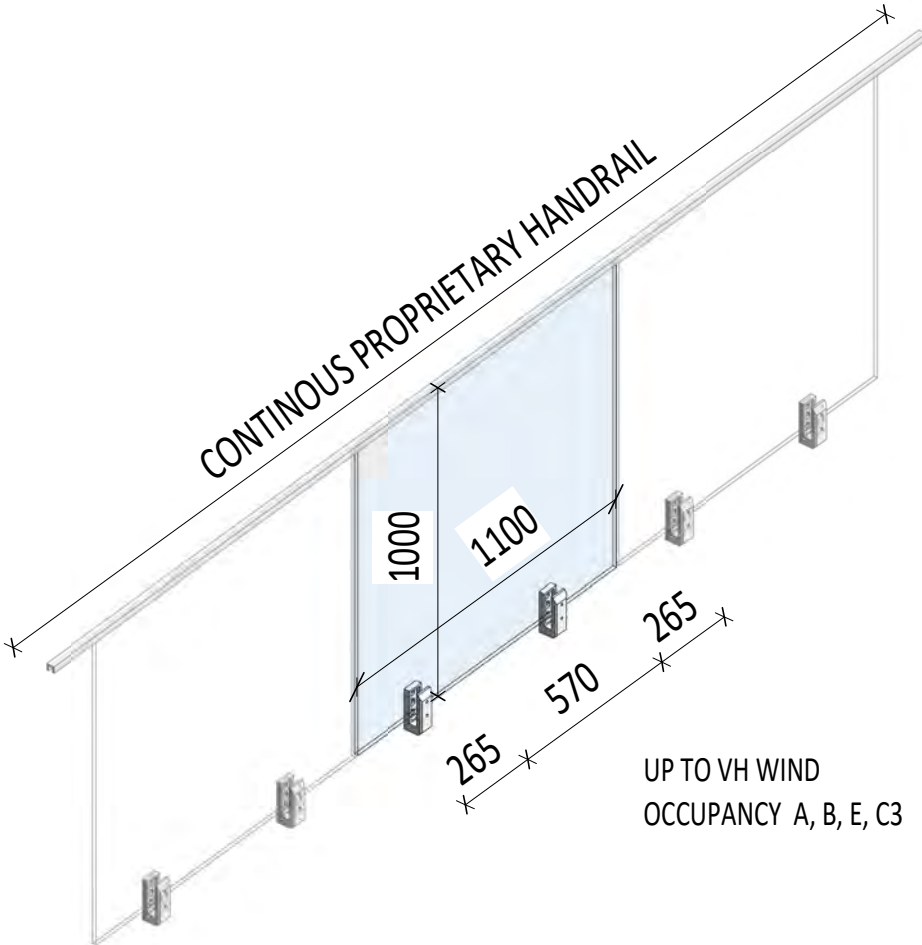
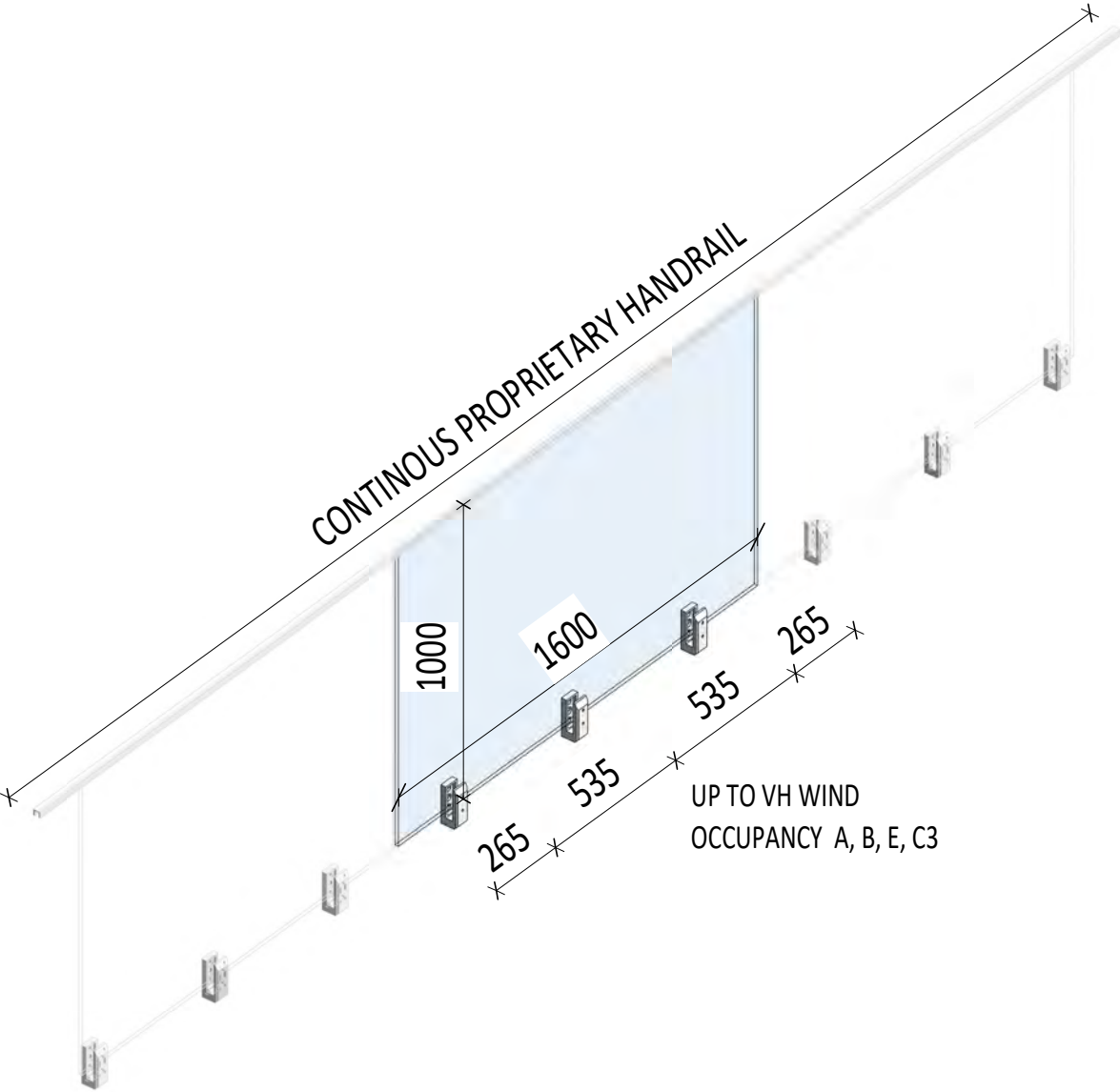
Client:
STORETECH LIMITED

Project:
AORAKI FIXING SPIGOT

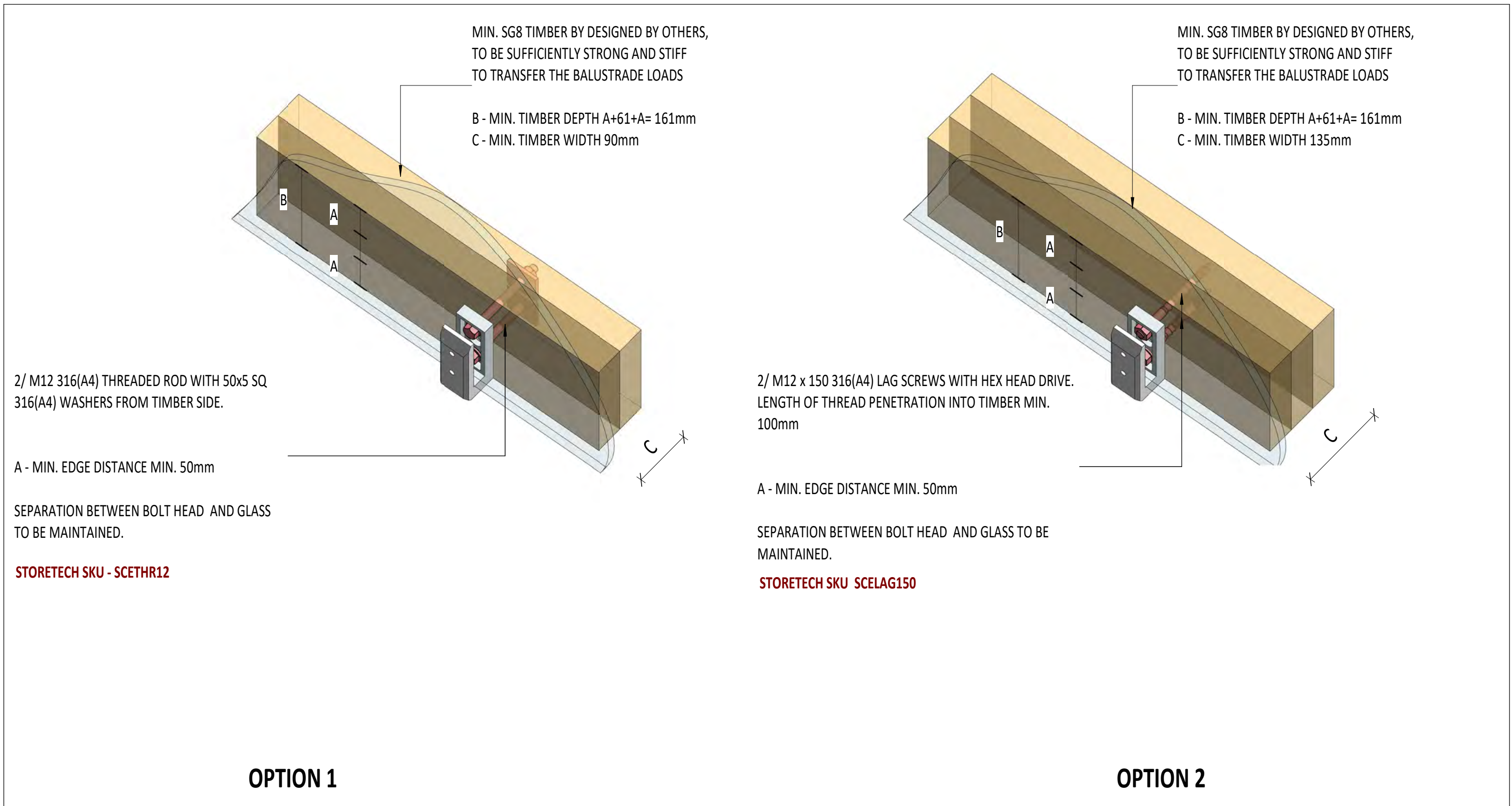
Drawing:
PANEL SIZES - BALUSTRADE 1

REF.	DESCRIPTION					DATE
R.0	INFORMATION					220525
R.1	FIXING ADDED					220919
R.2	CONCRETE FIXING REVISED					221102
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: AB01	rev: R.2

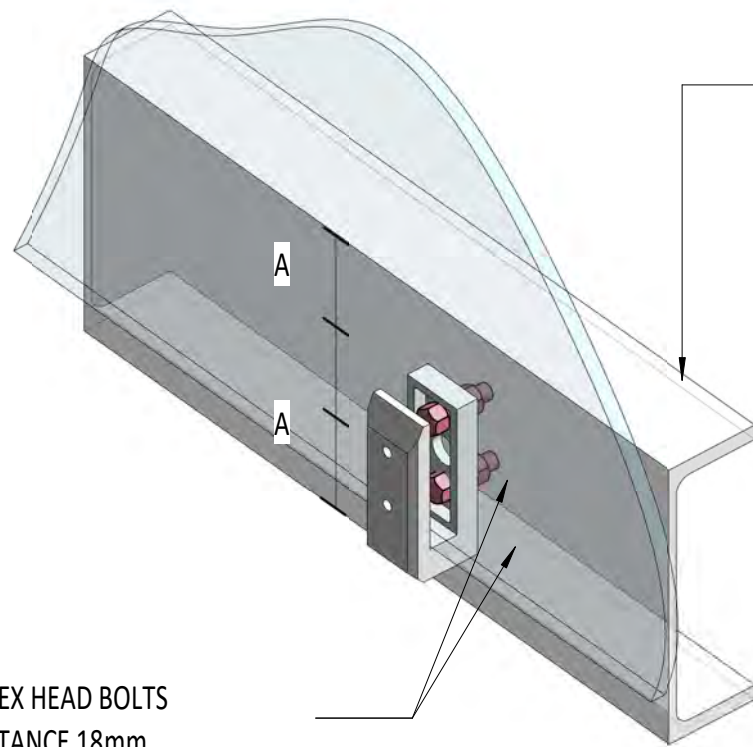
BelAire Aoraki Balustrade Wind Zones



REF.	DESCRIPTION					DATE
R.0	INFORMATION					220525
R.1	FIXING ADDED					220919
R.2	CONCRETE FIXING REVISED					221102
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: AB02	rev: R.2



CONNECTION TO TIMBER



STRUCTURAL STEELWORK
DESIGNED BY OTHERS TO HAVE SUFFICIENT STRENGTH AND
RIGIDITY TO SUPPORT THE BALUSTRADE

2/M12 316(A4) HEX HEAD BOLTS
A - MIN. EDGE DISTANCE 18mm

SEPARATION BETWEEN BOLT HEAD AND GLASS TO BE
MAINTAINED.

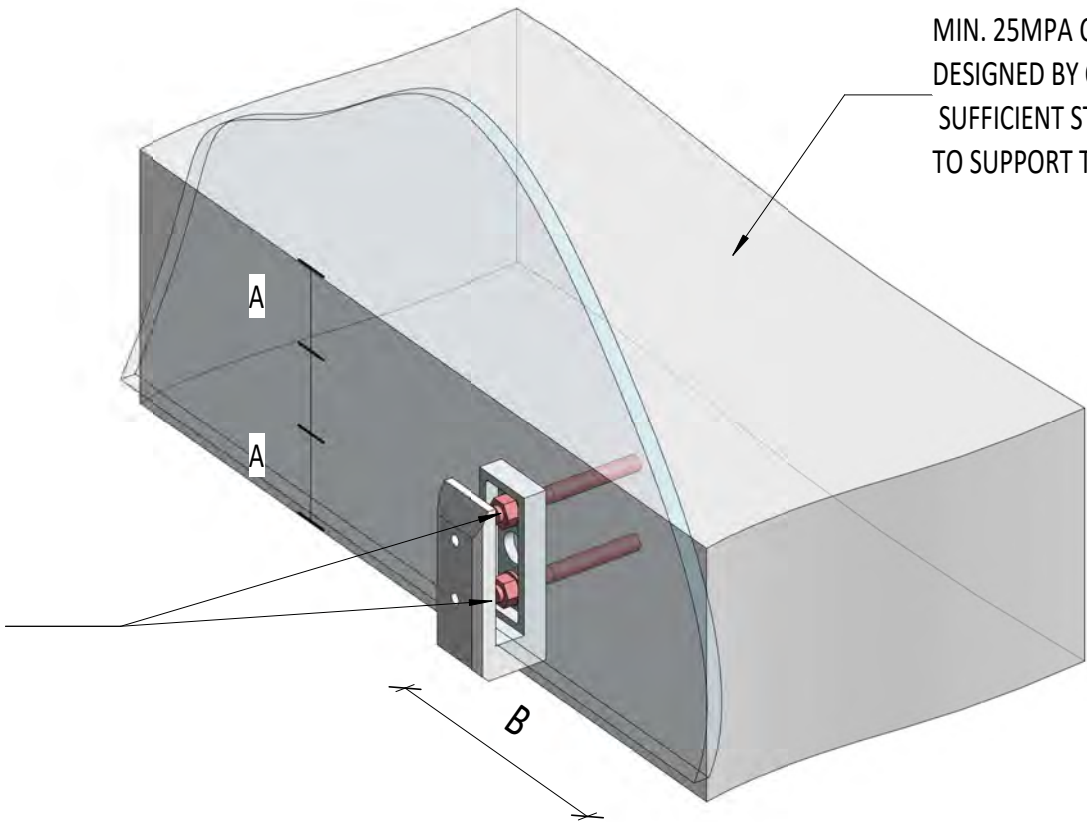
CONNECTION TO STRUCTURAL STEEL

MECHANICAL ANCHORS:
2/HSA-R M12 x 115 (A4) STAINLESS STEEL BY HILTI,
MIN.80mm INTO CONCRETE

CHEMICAL ANCHORS:
HIT-HY 170 INJECTION MORTAR + 2/HAS-U M12 x 110 TREADED RODS (A4) STAINLESS STEEL BY HILTI,
MIN.70mm INTO CONCRETE (SCETHR12 & SCECHEM)
OR
B+BTec BIS-HY GEN2 INJECTION MORTAR + 2/M12 THREADED RODS 316/A4-70 STAINLESS STEEL BY ICCONS,
MIN.90mm INTO CONCRETE

ROD TO BE FULLY EMBEDDED INTO NUT. SEPARATION BETWEEN END OF ROD AND THREADED ROOD/NUT AND GLASS TO
BE MAINTAINED.

A - EDGE DISTANCE MIN. 65mm,
B - CORNER DISTANCE MIN. 265mm



MIN. 25MPA CONCRETE MIN. 190mm THICK
DESIGNED BY OTHERS TO HAVE
SUFFICIENT STRENGTH AND RIGIDITY
TO SUPPORT THE BALUSTRADE

CONNECTION TO CONCRETE

IMPORTANT INSTALLATION INSTRUCTIONS:
ALL PROPRIETARY PRODUCTS INCLUDING ANCHORS MUST BE
INSTALLED IN STRICT ORDER WITH MANUFACTURER PROCEDURES.



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Client:
STORETECH LIMITED

Project:
AORAKI FIXING SPIGOT

Drawing:
POOL FENCE CONNECTION DETAIL
SHEET 2

REF.	DESCRIPTION						DATE
R.0	INFORMATION						220525
R.1	FIXING ADDED						220919
R.2	CONCRETE FIXING REVISED						221102
scale: @A3	drawn: AM	checked: PM	status: P	project no: 20073	drg no: AF03	rev: R.2	