

# J-VICE®

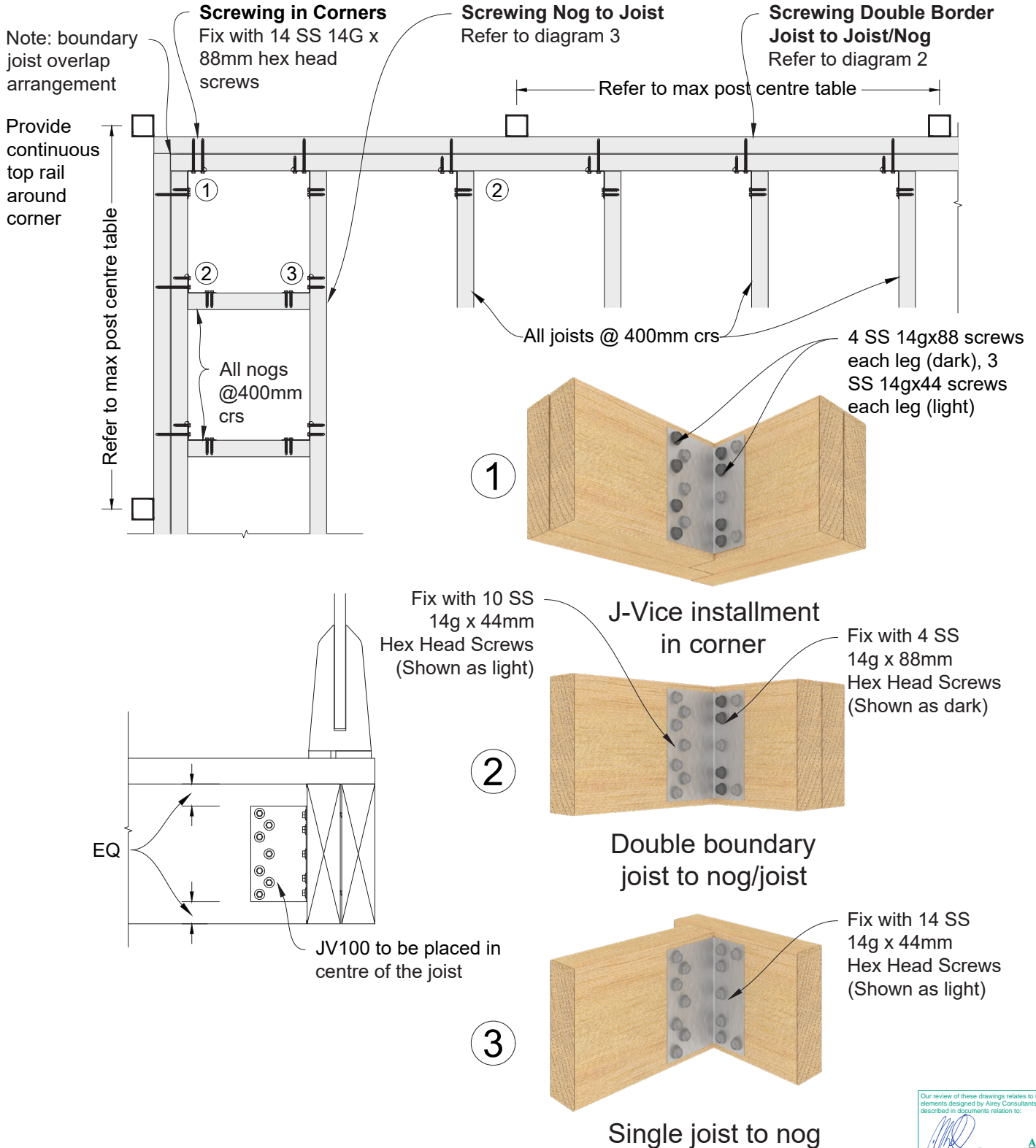
## Typical Double Boundary Joist Timber Deck Construction Details

Alternative solution to NZS 3604:2011 7.4.1.3

Supports joists and cantilevered barrier.

Deck designer to ensure the structure can support the appropriate horizontal and vertical loads.

Compatible with Glass Vice side fixed barrier systems, refer to barrier documentation.



Our review of these drawings relates to the structural elements designed by Airey Consultants Ltd only and as described in documents relation to:

*[Signature]*  
Job Number: 180297-05  
1/12/2021

**AIREY**  
CONSULTANTS LTD.

\*All fixings must be 316 stainless steel

## Double

# J-VICE®

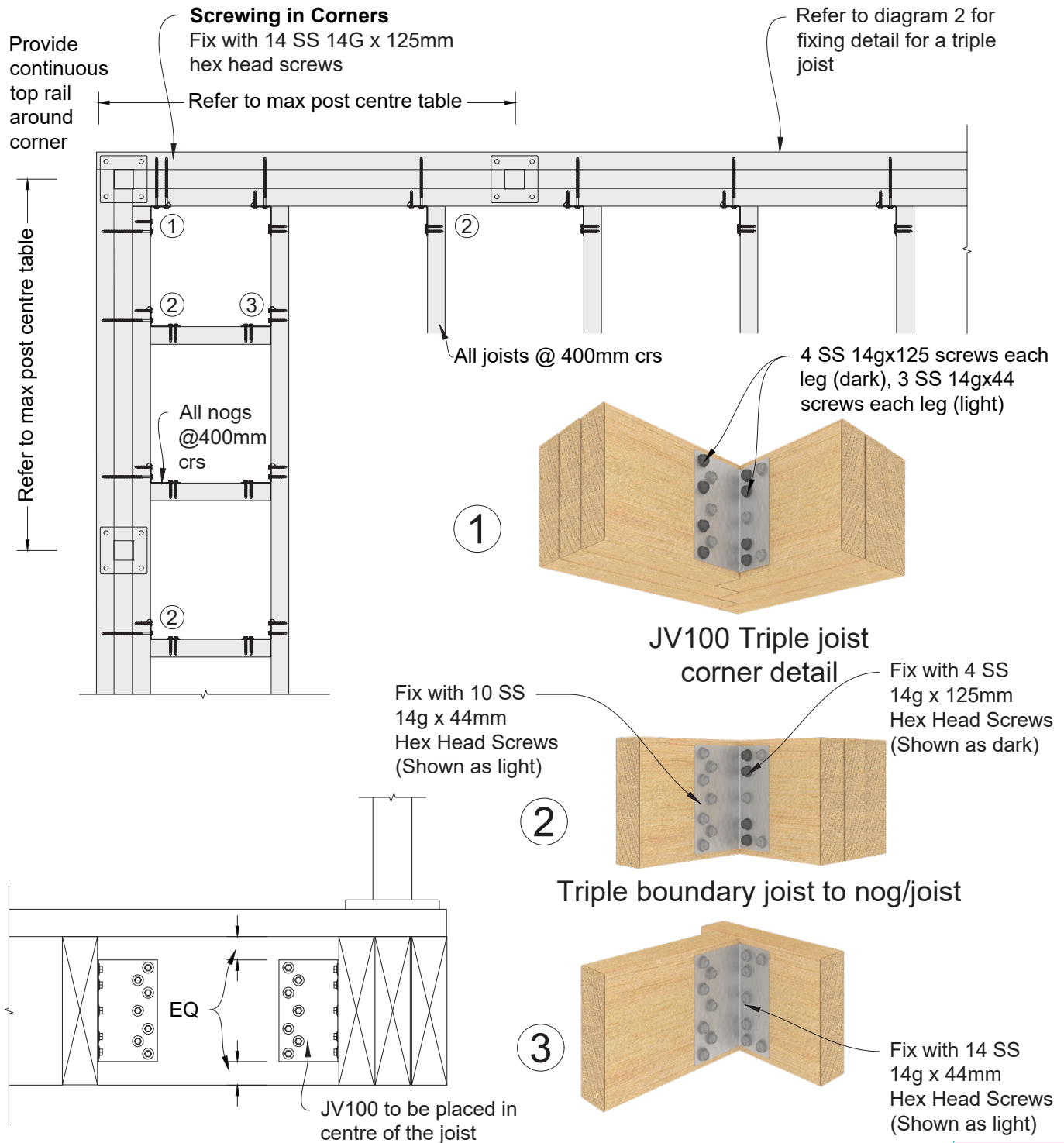
## Typical Triple Boundary Joist Timber Deck Construction Details

Alternative solution to NZS 3604:2011 7.4.1.3

Supports joists and cantilevered barrier.

Deck designer to ensure the structure can support the appropriate horizontal and vertical loads.

Compatible with Glass Vice top fixed barrier systems, refer to barrier documentation.



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## Triple

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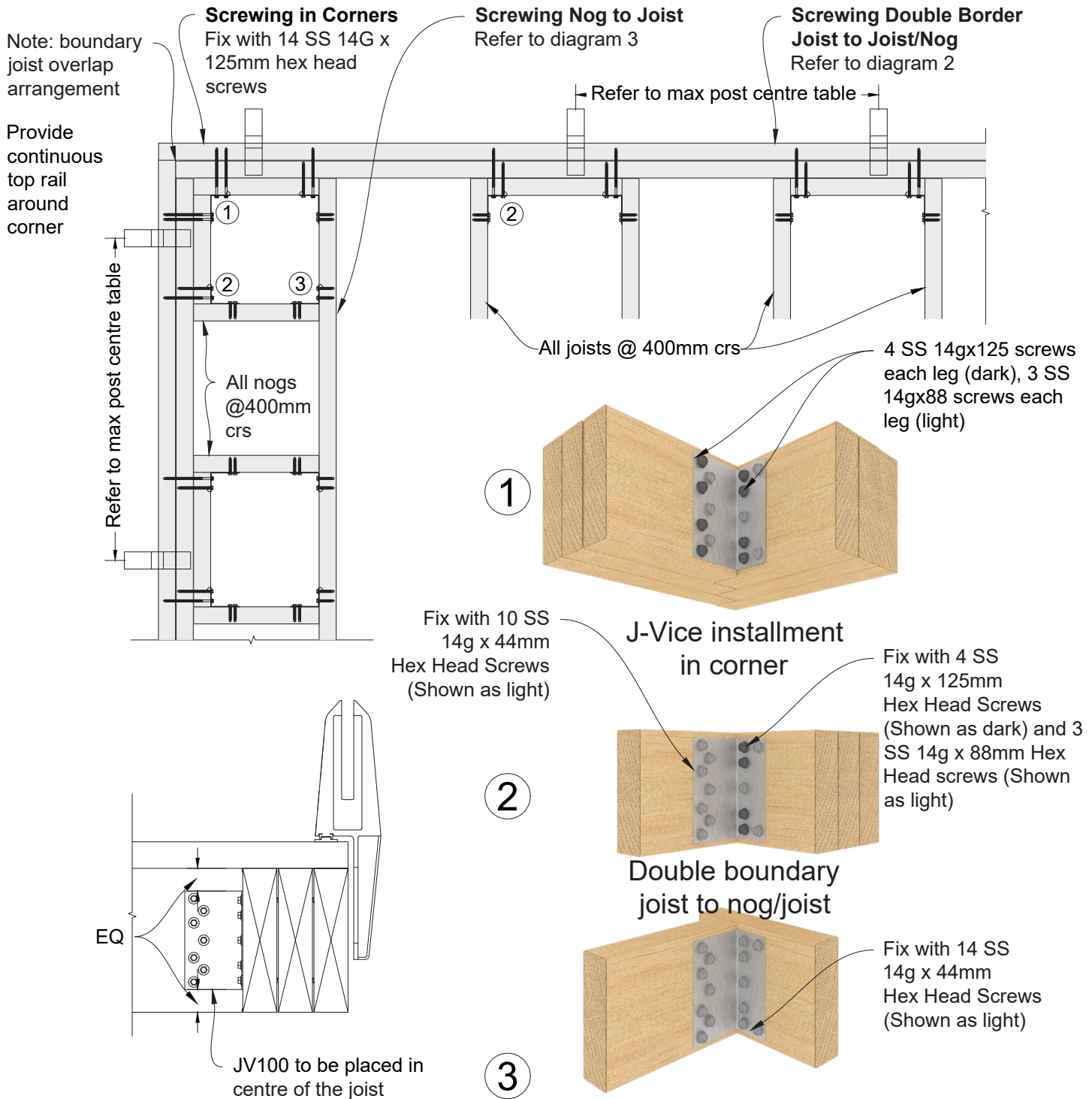
## Typical Double Boundary Joist plus Nog Timber Deck Construction Details

Alternative solution to NZS 3604:2011 7.4.1.3

Supports joists and cantilevered barrier.

Deck designer to ensure the structure can support the appropriate horizontal and vertical loads.

Compatible with Glass Vice side fixed barrier systems, refer to barrier documentation.



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*[Signature]*

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## Double plus Nog

**J-VICE®**

Glass Vice Products Limited

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# Glass Vice JV100 Post Centres Summary

For Solid Barriers In Max Very High Wind Zone

Maximum Post Centres <sup>2</sup>			
	Joist size at 400 mm centres (JV100 both ends of all joists and nogs) <sup>4</sup>		
Load height above F.F.L. <sup>1</sup>	140 x 45	190 x 45	240 x 45
1000	1400	1800	2000
1100	1250	1600	1850
1200	1100	1400	1650
1300	950	1200	1400
1500	700	950	1100
1800	500	650	800

1. Finished Floor Level (F.F.L.) max 40mm above top of joists.
2. Assumes approved post and rail cantilevered barrier system or compatible Glass Vice barrier system. Max post centres shall be the smaller of this table and the barrier system documentation.
3. All boundary joist and joist nailing that is omitted in these drawings to be done in accordance with NZS 3604.
4. Based on:
  - Maximum joist span as per Section 7.1 of NZS 3604:2011
  - Maximum permanent load of 0.40 kPa and permanent load of 2.00 kPa
  - SG8 sawn timber in wet service conditions
5. Barrier loading for Occupancy Types A(other), B, E and C3 as defined by AS/NZS 1170.1:2002
6. Max wind zone of Very High Wind Zone as defined by NZS3604:2011. Site with wind pressure factor  $C_{p,n}$  of 1.2 as defined by AS/NZS 1170.2:2011.
7. Applicable to barriers with a solidity ratio of 100%.

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# Glass Vice JV100 Post Centres Summary

For Solid Barriers In Max Extra High Wind Zone

Maximum Post Centres <sup>2</sup>			
	Joist size at 400 mm centres (JV100 both ends of all joists and nogs) <sup>4</sup>		
Load height above F.F.L. <sup>1</sup>	140 x 45	190 x 45	240 x 45
1000	1250	1550	1850
1100	1050	1350	1550
1200	900	1150	1350
1300	750	1000	1150
1500	600	750	900
1800	400	550	650

1. Finished Floor Level (F.F.L.) max 40mm above top of joists.
2. Assumes approved post and rail cantilevered barrier system or compatible Glass Vice barrier system. Max post centres shall be the smaller of this table and the barrier system documentation.
3. All boundary joist and joist nailing that is omitted in these drawings to be done in accordance with NZS 3604.
4. Based on:
  - Maximum joist span as per Section 7.1 of NZS 3604:2011
  - Maximum permanent load of 0.40 kPa and permanent load of 2.00 kPa
  - SG8 sawn timber in wet service conditions
5. Barrier loading for Occupancy Types A(other), B, E and C3 as defined by AS/NZS 1170.1:2002
6. Max wind zone of Extra High Wind Zone as defined by NZS3604:2011. Site with wind pressure factor  $C_{p,n}$  of 1.2 as defined by AS/NZS 1170.2:2011.
7. Applicable to barriers with a solidity ratio of 100%.

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1/12/2021





# Glass Vice JV100 Post Centres Summary

For Barriers With A Max Solidity Ratio Of 50%  
In Max Extra High Wind Zone

Maximum Post Centres <sup>2</sup>			
	Joist size at 400 mm centres (JV100 both ends of all joists and nogs) <sup>4</sup>		
Load height above F.F.L. <sup>1</sup>	140 x 45	190 x 45	240 x 45
1000	1400	1800	2000
1100	1250	1650	1850
1200	1150	1500	1700
1300	1050	1300	1550
1500	800	1000	1200
1800	550	750	900

1. Finished Floor Level (F.F.L.) max 40mm above top of joists.
2. Assumes approved post and rail cantilevered barrier system or compatible Glass Vice barrier system. Max post centres shall be the smaller of this table and the barrier system documentation.
3. All boundary joist and joist nailing that is omitted in these drawings to be done in accordance with NZS 3604.
4. Based on:
  - Maximum joist span as per Section 7.1 of NZS 3604:2011
  - Maximum permanent load of 0.40 kPa and permanent load of 2.00 kPa
  - SG8 sawn timber in wet service conditions
5. Barrier loading for Occupancy Types A(other), B, E and C3 as defined by AS/NZS 1170.1:2002
6. Max wind zone of Extra High Wind Zone as defined by NZS3604:2011. Site with wind pressure factor  $C_{p,n}$  of 1.2 as defined by AS/NZS 1170.2:2011.
7. Applicable to barriers with a solidity ratio of 50%.

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