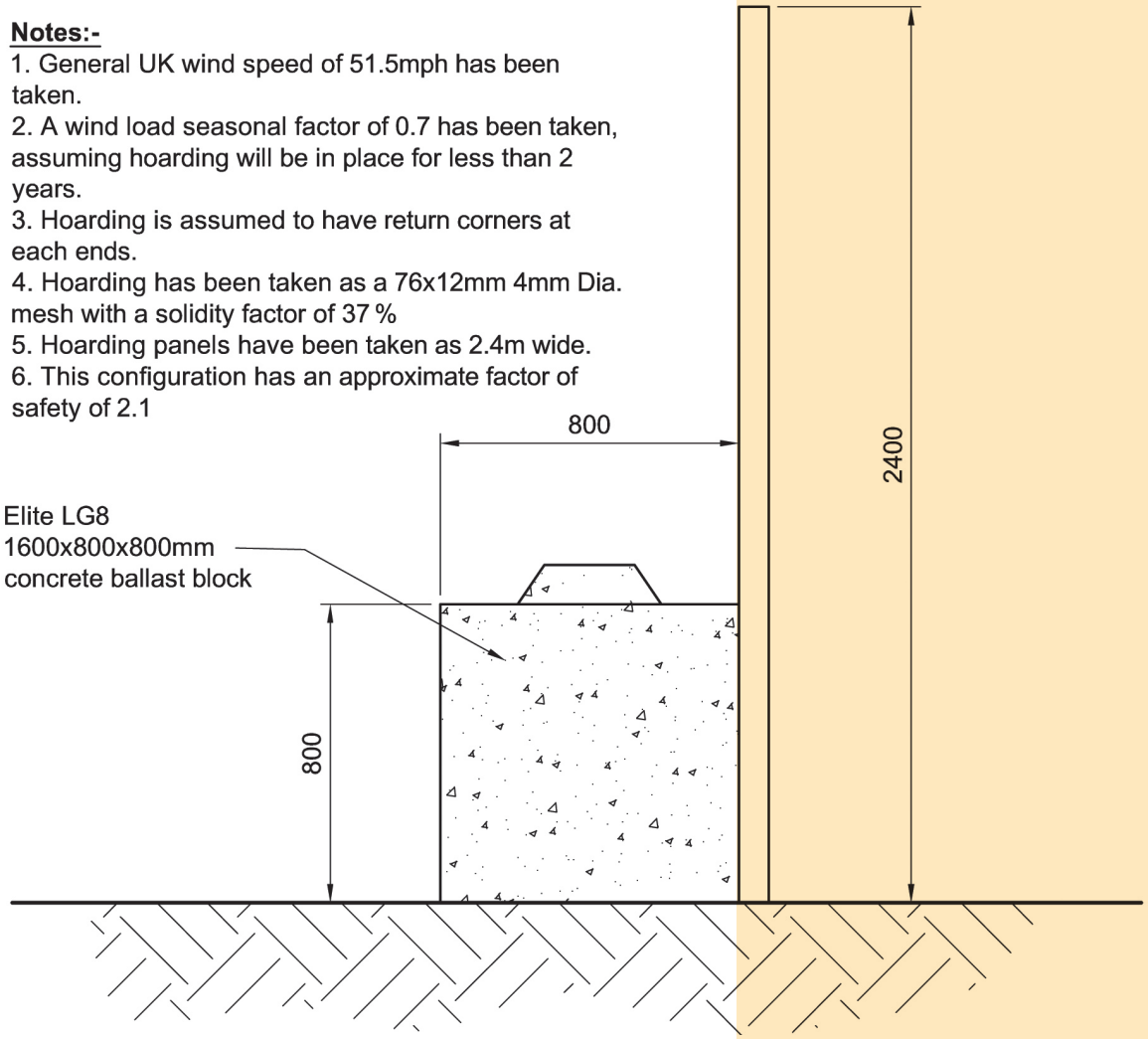
Hoarding ballast block design guidance

Solid option 1

Notes:-
1. General UK wind speed of 51.5mph has been taken.
2. A wind load seasonal factor of 0.7 has been taken, assuming hoarding will be in place for less than 2 years.
3. Hoarding is assumed to have return corners at each ends.
4. Hoarding has been taken as a 76x12mm 4mm Dia. mesh with a solidity factor of 37 %
5. Hoarding panels have been taken as 2.4m wide.
6. This configuration has an approximate factor of safety of 2.1



NOTES:-
1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE
The existing slab and ground have not been investigated by CLP structures. **It is up to the client to satisfy himself that the existing ground and slab are adequate to support the loads.**

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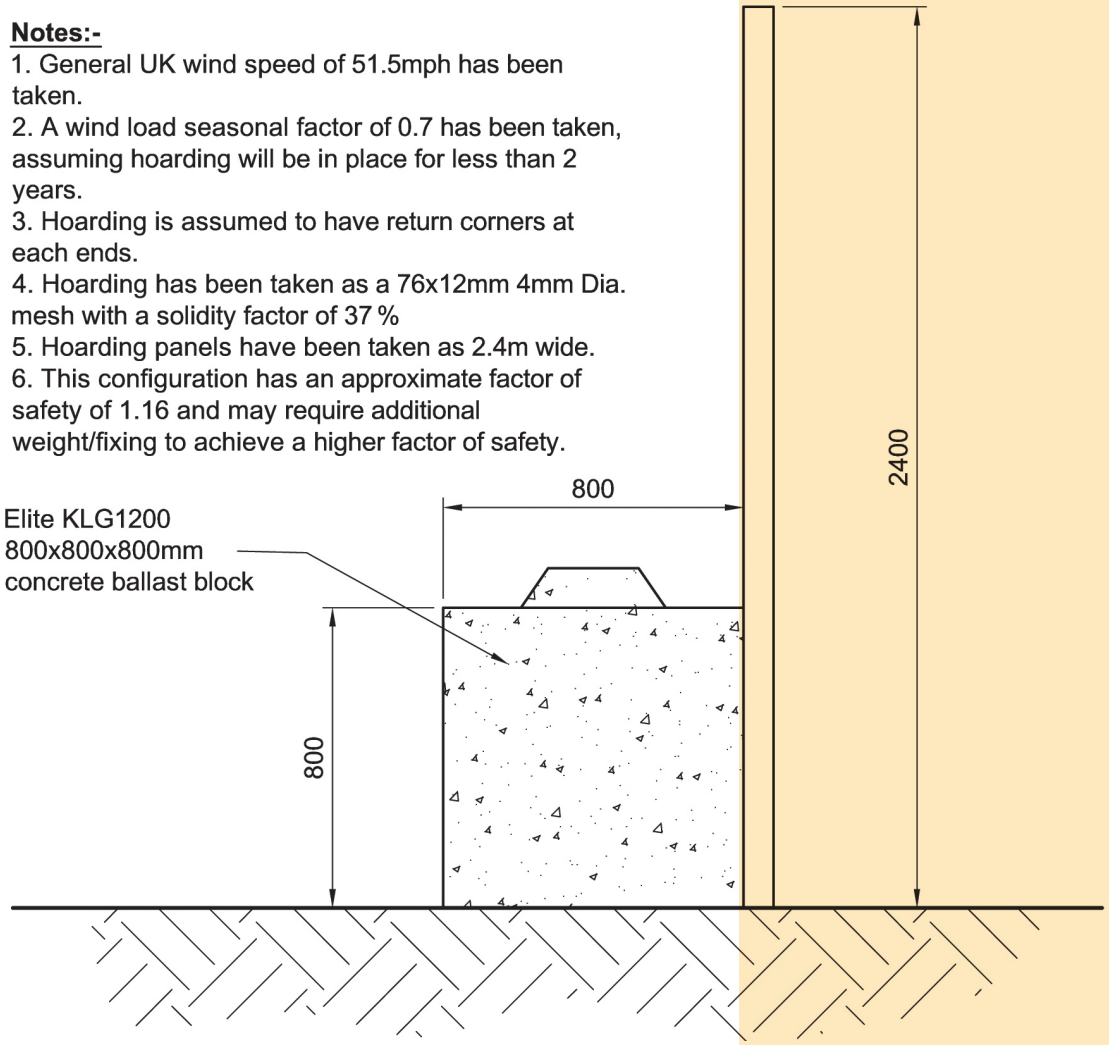
Hoarding ballast block design guidance

Solid option 2

Notes:-
1. General UK wind speed of 51.5mph has been taken.
2. A wind load seasonal factor of 0.7 has been taken, assuming hoarding will be in place for less than 2 years.
3. Hoarding is assumed to have return corners at each ends.
4. Hoarding has been taken as a 76x12mm 4mm Dia. mesh with a solidity factor of 37 %
5. Hoarding panels have been taken as 2.4m wide.
6. This configuration has an approximate factor of safety of 1.16 and may require additional weight/fixing to achieve a higher factor of safety.



NOTES:-
1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE
The existing slab and ground have not been investigated by CLP structures. **It is up to the client to satisfy himself that the existing ground and slab are adequate to support the loads.**

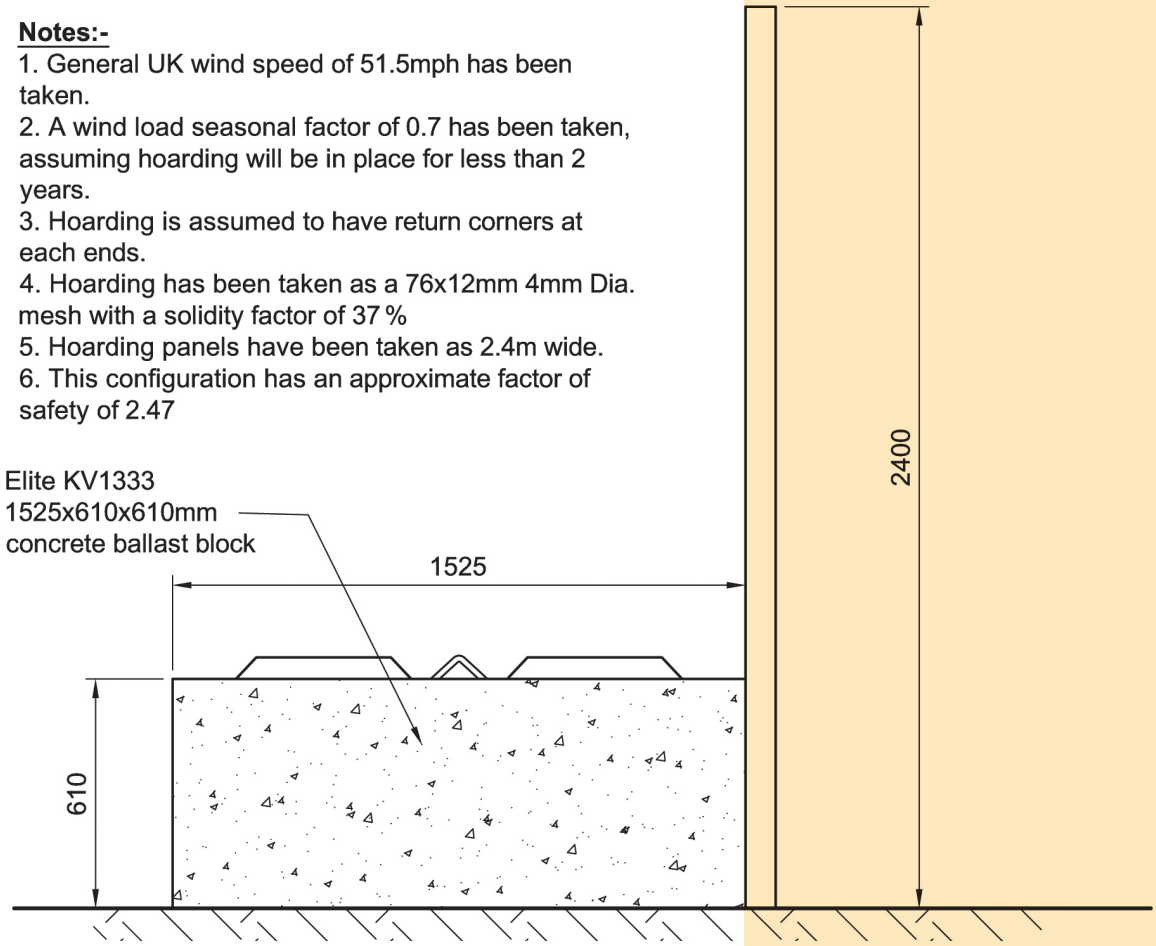
ELITE PRECAST CONCRETE

Hoarding ballast block design guidance

Solid option 3

Notes:-

1. General UK wind speed of 51.5mph has been taken.
2. A wind load seasonal factor of 0.7 has been taken, assuming hoarding will be in place for less than 2 years.
3. Hoarding is assumed to have return corners at each ends.
4. Hoarding has been taken as a 76x12mm 4mm Dia. mesh with a solidity factor of 37 %
5. Hoarding panels have been taken as 2.4m wide.
6. This configuration has an approximate factor of safety of 2.47



NOTES:-

1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE

The existing slab and ground have not been investigated by CLP structures. **It is up to the client to satisfy himself that the existing ground and slab are adequate to support the loads.**

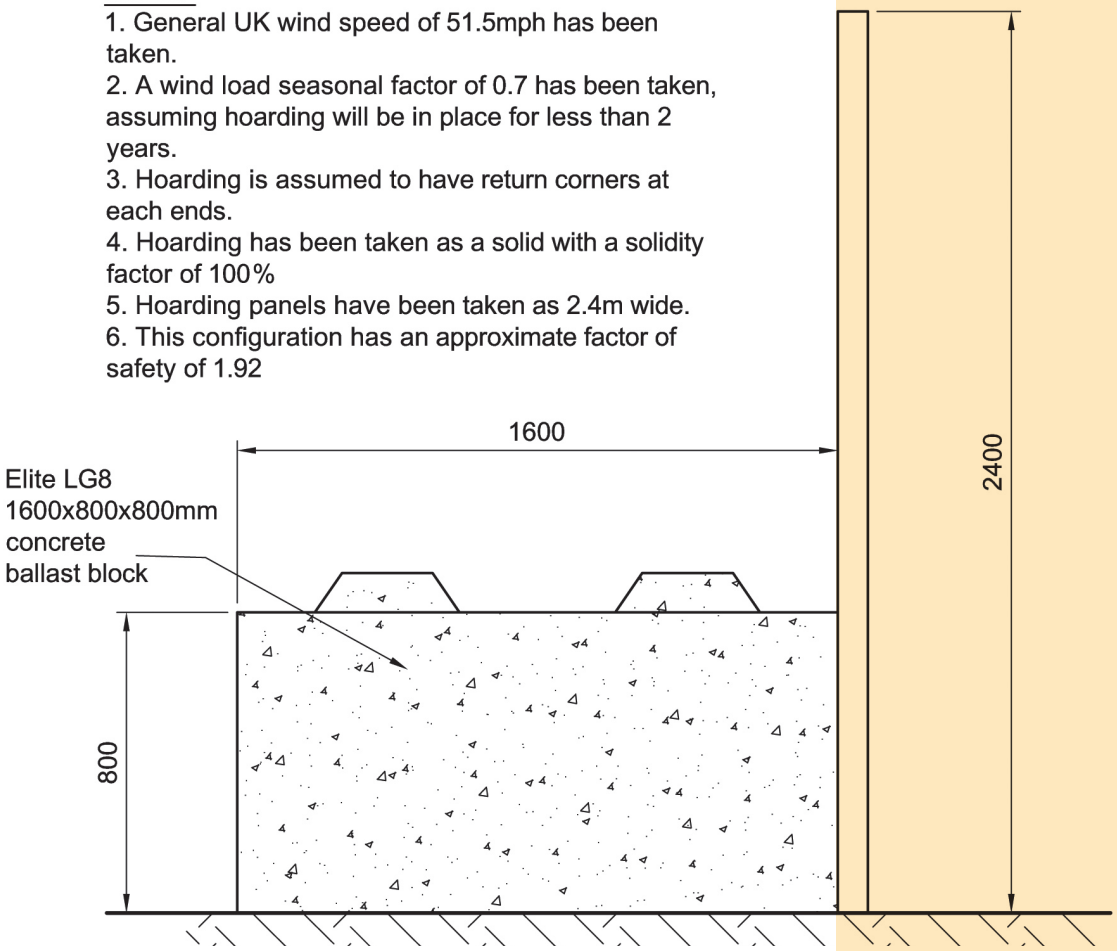
ELITE PRECAST CONCRETE

Hoarding ballast block design guidance

Solid option 4

Notes:-

1. General UK wind speed of 51.5mph has been taken.
2. A wind load seasonal factor of 0.7 has been taken, assuming hoarding will be in place for less than 2 years.
3. Hoarding is assumed to have return corners at each ends.
4. Hoarding has been taken as a solid with a solidity factor of 100%
5. Hoarding panels have been taken as 2.4m wide.
6. This configuration has an approximate factor of safety of 1.92



NOTES:-

1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE

The existing slab and ground have not been investigated by CLP structures. **It is up to the client to satisfy himself that the existing ground and slab are adequate to support the loads.**

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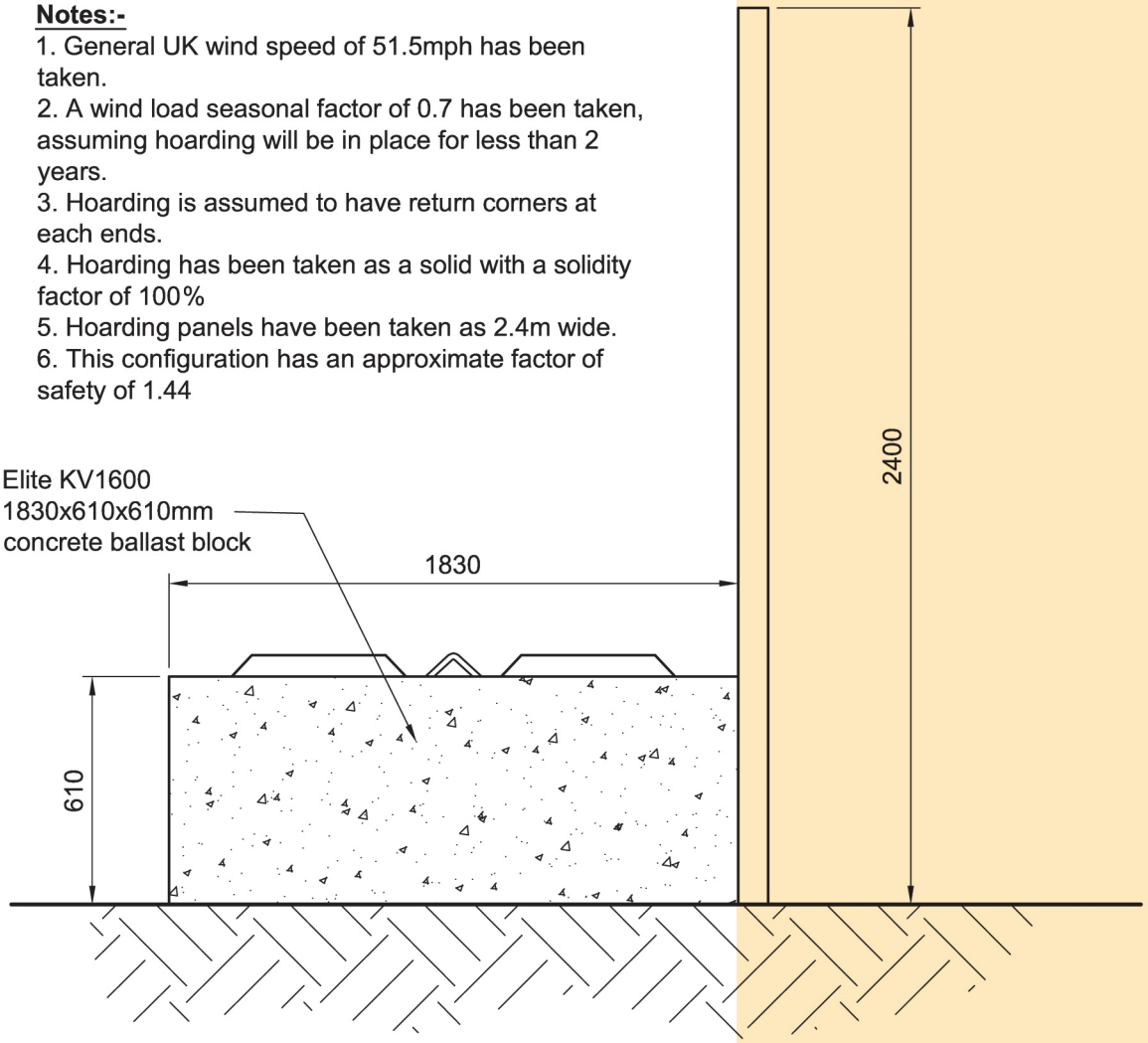
Hoarding ballast block design guidance

Solid option 5

Notes:-
1. General UK wind speed of 51.5mph has been taken.
2. A wind load seasonal factor of 0.7 has been taken, assuming hoarding will be in place for less than 2 years.
3. Hoarding is assumed to have return corners at each ends.
4. Hoarding has been taken as a solid with a solidity factor of 100%
5. Hoarding panels have been taken as 2.4m wide.
6. This configuration has an approximate factor of safety of 1.44



NOTES:-
1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE
The existing slab and ground have not been investigated by CLP structures. **It is up to the client to satisfy himself that the existing ground and slab are adequate to support the loads.**

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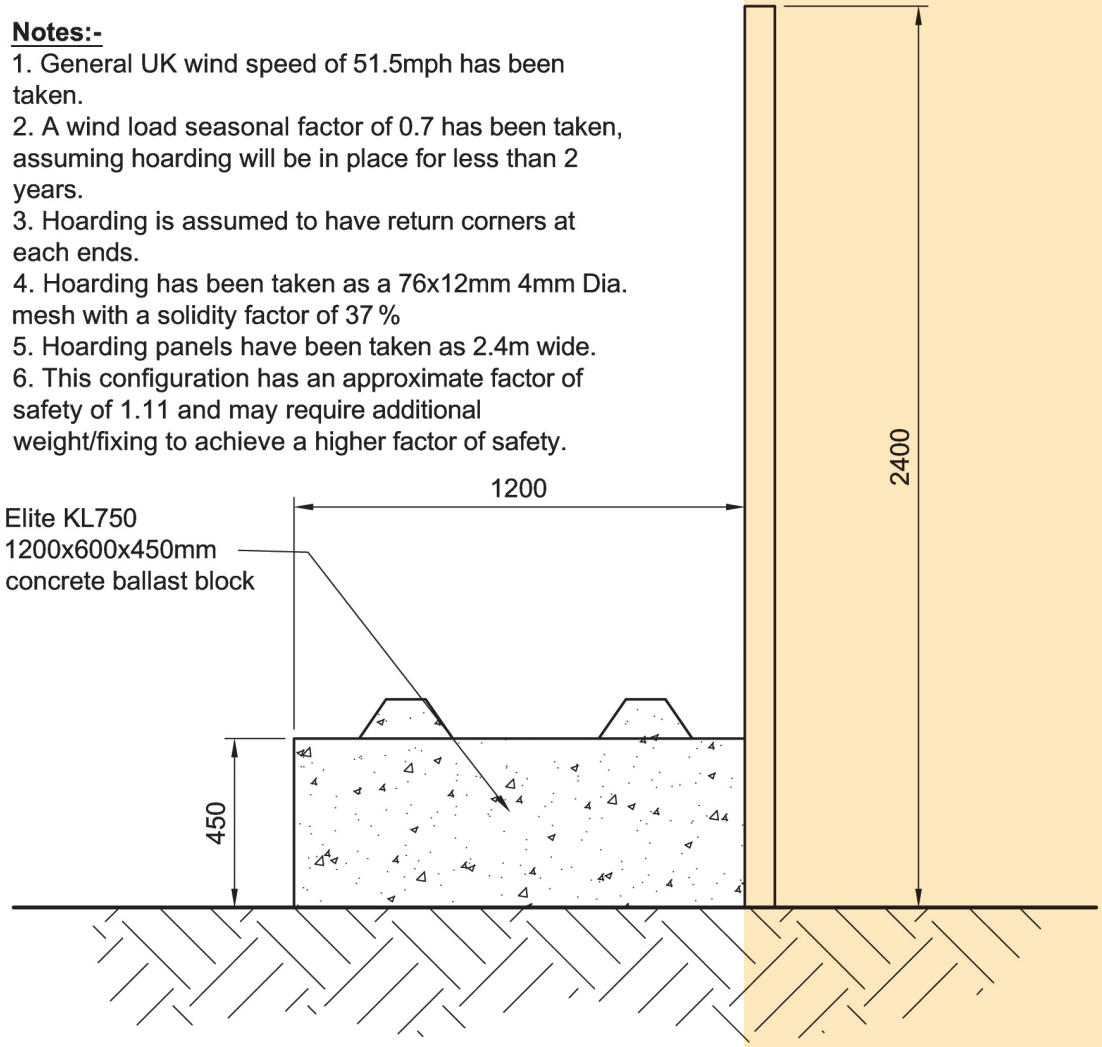
Hoarding ballast block design guidance

Solid option 6

Notes:-
1. General UK wind speed of 51.5mph has been taken.
2. A wind load seasonal factor of 0.7 has been taken, assuming hoarding will be in place for less than 2 years.
3. Hoarding is assumed to have return corners at each ends.
4. Hoarding has been taken as a 76x12mm 4mm Dia. mesh with a solidity factor of 37 %
5. Hoarding panels have been taken as 2.4m wide.
6. This configuration has an approximate factor of safety of 1.11 and may require additional weight/fixing to achieve a higher factor of safety.



NOTES:-
1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE
The existing slab and ground have not been investigated by CLP structures. **It is up to the client to satisfy himself that the existing ground and slab are adequate to support the loads.**

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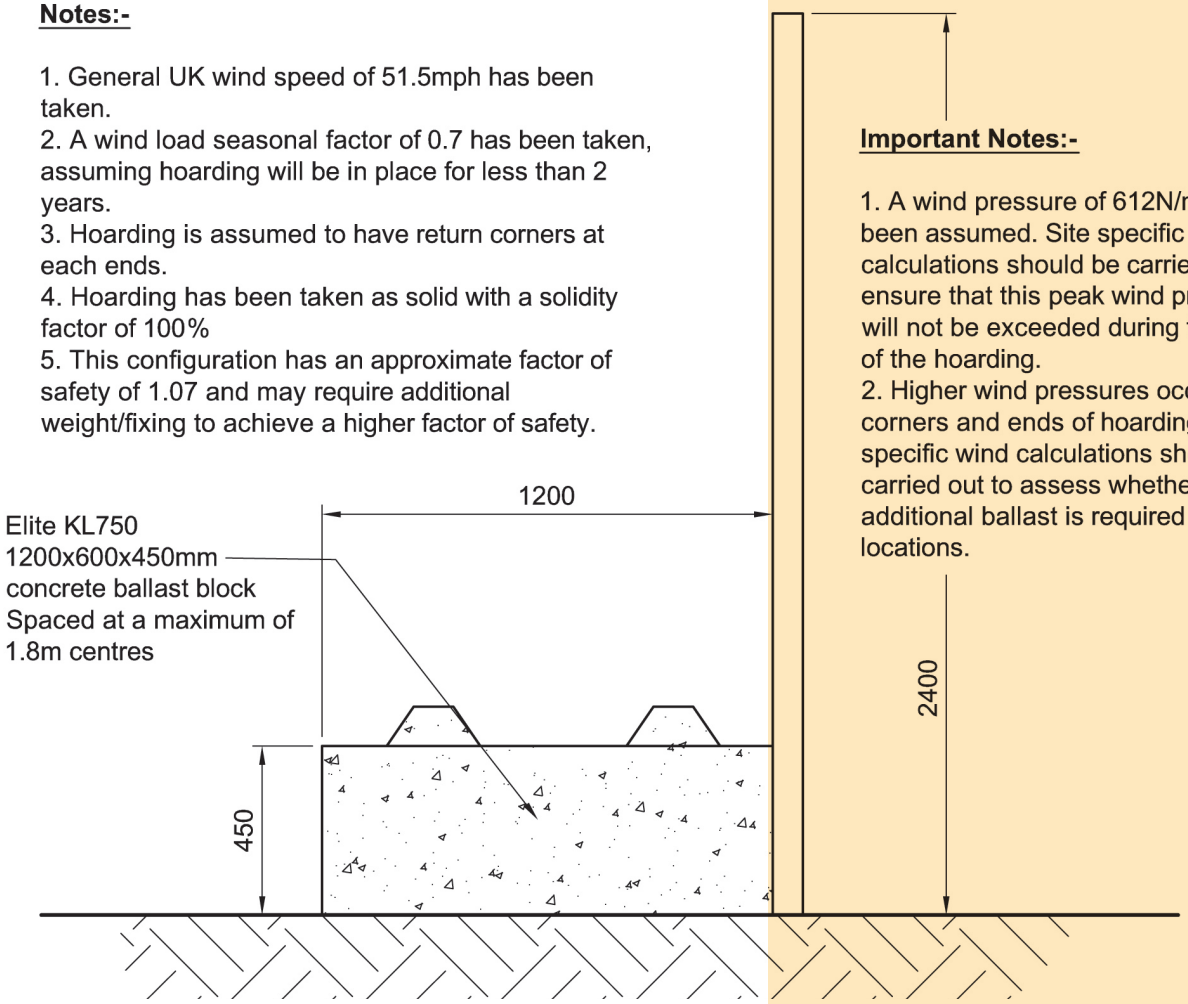
Hoarding ballast block design guidance

Solid option 7

Notes:-

1. General UK wind speed of 51.5mph has been taken.
2. A wind load seasonal factor of 0.7 has been taken, assuming hoarding will be in place for less than 2 years.
3. Hoarding is assumed to have return corners at each ends.
4. Hoarding has been taken as solid with a solidity factor of 100%
5. This configuration has an approximate factor of safety of 1.07 and may require additional weight/fixing to achieve a higher factor of safety.



Important Notes:-

1. A wind pressure of 612N/m2 has been assumed. Site specific wind calculations should be carried out to ensure that this peak wind pressure will not be exceeded during the lifetime of the hoarding.
2. Higher wind pressures occur at corners and ends of hoarding, site specific wind calculations should be carried out to assess whether additional ballast is required in these locations.

NOTES:-
1. The contractor should take all necessary measurements on site.
2. All dimensions shown on this drawing are approximate and for structural calculation purposes only.
3. Dimensions on this drawing should not be used for fabrication purposes.
4. Do not scale this drawing.
5. This drawing should be read in conjunction with the calculations.

IMPORTANT NOTE
The existing slab and ground have not been investigated by CLP structures. **It is up to the client to satisfy himself that the existing ground and slab are adequate to support the loads.**

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