



В	Construction issue.		06.09.21
PERSIMMON	Drowing Title TEMPORARY WORKS WIND SPEED MAP		
RARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> NTS	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/001		Rev. B

18thk exterior quality

225

8

150

Public side.

plywood facing.

Site side.

- environment.

- 6. Hoarding design allows for.

  - around.



Rails to be fixed to post with 100mm

long 5Ø galvanised wood screws -

150x63 C24 timber rails at 800

concrete surround. \*

225x75 C24 timber posts with mass

see detail.

max c/c.

200

Top and bottom rails to

be fixed with 2 screws

2500 max

006

100x63

100x63

Da Da

94

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400Ø

Design is to TWF Hoardings - A Guide

to Good Practice.

2400 Max

Equal

Equal

Equal

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level.

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1. All timber shall be strength class C24 to BS5628-2.

2. All timber is to be pre- treated with a pressure applied wood preservative. Timber posts to comply with class 4.1 to BS EN 335-2 : 2006, for exterior use in contact with ground and/or fresh water. Timber rails to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected

3. Facing material to be min 18 thick exterior guality plywood to class 3.2 of BSEN 335 and bonding class 3 of BSEN 314-2.

4. All panel to rail and rail to post fixings are to be by galvanised wood screws to BS EN ISO 1461. All holes for screws to be pre-drilled.

5. All foundation concrete to be GEN1 concrete.

A maximum peak velocity pressure based on a site wind speed of 23.4m/s at a 2 year design life.

(equivalent to a 50 year site wind speed of 28.2 m/s.)

A working wind pressure of 0.36 KN/m<sup>2</sup> in conjunction with a minimum notional horizontal load (pedestrian load) of 0.74KN/m acting 1.2m above

For higher site wind speeds and/or crowd loading, refer to separate details.

7. Assumed ground conditions are firm to stiff clay (Cu >50kN/m2) with a safe bearing capacity of at least 100kN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to construction. where there is an increased depth of topsoil, foundations to be deepened on site to suit. It is assumed that all foundations will be placed in ground which is level or at a slope hot exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12. Where foundation is placed in loose topsoil the depth must be increased equal to the depth of loose topsoil.

8. Hoardings placed in the vicinity of a flagpole or free standing signboard are to be separated from the flagpole or signboard by at least 450 mm.

9. Maximum design life is to be 2 years.

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SITE HOARDINGS SHEET 1 CLAY SOILS		
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:10 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/010		Rev. B

- environment.

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1. All timber shall be strength class C24 to BS5628-2.

2. All timber is to be pre- treated with a pressure applied wood preservative. Timber posts to comply with class 4.1 to BS EN 335-2 : 2006, for exterior use in contact with ground and/or fresh water. Timber rails to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected

3. Facing material to be min 18 thick exterior quality plywood to class 3.2 of BSEN 335 and bonding class 3 of BSEN 314-2.

4. All panel to rail and rail to post fixings are to be by galvanised wood screws to BS EN ISO 1461. All holes for screws to be pre-drilled.

5. All foundation concrete to be GEN1 concrete.

6. Hoarding design allows for.

- A maximum peak velocity pressure based on a site wind speed of 23.4m/s at a 2 year design life.
- (equivalent to a 50 year site wind speed of 28.2 m/s.)
- A working wind pressure of 0.36 KN/m<sup>2</sup> in conjunction with a minimum notional horizontal load (pedestrian load) of 0.74KN/m acting 1.2m above ground.
- For higher site wind speeds and/or crowd loading, refer to separate details.

7. Assumed ground conditions are medium dense sand or gravel (SPT N>10) with a safe bearing capacity of at least 100kN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to construction. where there is an increased depth of topsoil, foundations to be deepened on site. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12. Where foundation is placed in loose topsoil the depth must be increased equal to the depth of loose topsoil.

8. Hoardings placed in the vicinity of a flagpole or free standing signboard are to be separated from the flagpole or signboard by at least 450 mm.

9. Maximum design life is to be 2 years.

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SITE HOARDINGS SHEET 2 GRANULAR SOILS		
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:10 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/011		Rev. B



1. All timber shall be strength class C24 to BS5628-2.

 All timber is to be pre-treated with a pressure applied wood preservative. Timber posts to comply with class 4.1 to BS EN 335-2 : 2006, for exterior use in contact with ground and/or fresh water. Timber rails to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected environment.

3. All rail to post fixings are to be by galvanised wood screws to BS EN ISO 1461. All holes for screws to be pre-drilled.

All board to rail fixings are to be by galvanised nails to BS EN ISO 1461. All holes for nails are to be pre-drilled

All foundation concrete to be GEN1 concrete.

### Fence design allows for

A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details.

Assumed ground conditions are firm to stiff clay with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.

В	Construction	Construction issue.		
PERSIMMON	Drawing Title SITE FENCES HIT/MISS SHEET 1 - 1.8m (CLAY SOILS)			
Project Title	Date	<sup>Scale</sup>	Drawn	
TEMPORARY WORKS STANDARD DETAILS	17.08.21	1:10 1:25	JL	
Drawing Status	Dwg. Ref.		Rev.	
CONSTRUCTION	PH/TWD/020		B	



- 1. Where foundation placed in loose top soil the depth must be increased equal to the depth of the loose top soil.
- 2. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.
- 3. Max design life is to be 2 years.

Screws to be fixed rail side. 20 - 60 - 20

Project Title TEMPOR, Drawing Status CONSTR

- 1. All timber shall be strength class C24 to BS5628-2.
- All timber is to be pre-treated with a pressure applied wood preservative. Timber posts to comply with class 4.1 to BS EN 335-2 : 2006, for exterior use in contact with ground and/or fresh water. Timber rails to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected environment.
- 3. All rail to post fixings are to be by galvanised wood screws to BS EN ISO 1461. All holes for screws to be pre-drilled.
  - All board to rail fixings are to be by galvanised nails to BS EN ISO 1461. All holes for nails are to be pre-drilled
  - All foundation concrete to be GEN1 concrete.
- Fence design allows for A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details.
- 7. Assumed ground conditions are firm to stiff clay with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SITE FENCES HIT/MISS SHEET 2 - 0.95m (CLAY SOIL		.S)
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:10 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/021		Rev. B



- 1. All timber shall be strength class C24 to BS5628-2.
- 2. All timber is to be pre-treated with a pressure applied wood preservative. Timber posts to comply with class 4.1 to BS EN 335-2 : 2006, for exterior use in contact with ground and/or fresh water. Timber rails to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected environment.
- 3. All rail to post fixings are to be by galvanised wood screws to BS EN ISO 1461. All holes for screws to be pre-drilled.
- 4. All board to rail fixings are to be by galvanised nails to BS EN ISO 1461. All holes for nails are to be pre-drilled
- 5. All foundation concrete to be GEN1 concrete.
- 6. Fence design allows for A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details.
- 7. Assumed ground conditions are firm to stiff clay with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.

В	Construction	issue.	06.09.21
PERSIMMON	Drawing Title SITE FENCES HIT/MISS SHEET 3 - 1.8m (GRANULAR SOILS)		
Project Title	Date	<sup>Scale</sup>	Drawn
TEMPORARY WORKS STANDARD DETAILS	17.08.21	1:10 1:25	JL
Drawing Status	<sup>Dwg. Ref.</sup>		Rev.
CONSTRUCTION	PH/TWD/022		B



3. Max design life is to be 2 years.



1. All timber shall be strength class C24 to BS5628-2.

2. All timber is to be pre-treated with a pressure applied wood preservative. Timber posts to comply with class 4.1 to BS EN 335-2 : 2006, for exterior use in contact with ground and/or fresh water. Timber rails to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected environment.

 All rail to post fixings are to be by galvanised wood screws to BS EN ISO 1461. All holes for screws to be pre-drilled.

All board to rail fixings are to be by galvanised nails to BS EN ISO 1461. All holes for nails are to be pre-drilled

5. All foundation concrete to be GEN1 concrete.

### Fence design allows for

A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details.

7. Assumed ground conditions are firm to stiff clay with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.

В	Construction	Construction issue.		
PERSIMMON	Drawing Title SITE FENCES HIT/MISS SHEET 4 - 0.95m (GRANULAF		r soils)	
ARY WORKS STANDARD DETAILS	Date 17.08.21	Scale 1:10 1:25	Drawn JL	
UCTION	Dwg. Ref. PH/TWD/023		Rev. B	



В	Construction	Construction issue.		
PERSIMMON	Drawing Title SITE FENCES CONCRETE SHEET 5 - 1.8m (CLAY SOILS)			
Project Title	Date	Scale	Drawn	
TEMPORARY WORKS STANDARD DETAILS	17.08.21	1:10 1:25	JL	
Drawing Status	Dwg. Ref.		<sup>Rev.</sup>	
CONSTRUCTION	PH/TWD/024		B	



400 x 400 x 900 min high mass concrete foundation. Where ground level varies, top of foundation at lowest ground level.

Post to be positioned in hole before concrete is placed. Post must extend full depth of hole. Concrete to be well rammed as filling proceeds.

- 1. All timber shall be strength class C24 to BS5628-2.
- All timber is to be pre-treated with a pressure applied wood preservative. Timber panels to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected environment.
- 3. All foundation concrete to be designated mix GEN 1 to BS8500-1.
- 4. All reinforcement is to be deformed type 2 high yield steel to BS4449. All mesh reinforcement to BS4449.
- 5. Fence design allows for

A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details. Max 200 thickness soil retained height, 2.5 kN/m<sup>2</sup> surcharge.

 Details of fence posts and gravel board are not known. Post assumed to contain at least 2H12 bars with 20 cover, 1FF, 1NF, and to be minimum 95x125 dimension.

- The design must be used in temporary situations only, it is possible that some panels may be dislodged in high winds, and may need to be replaced. The detail must not be adopted in critical locations.
- Assumed ground conditions are firm to stiff clay with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.
- 9. Where foundation placed in loose top soil the depth must be increased equal to the depth of the loose top soil.
- It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.



В	Construction	issue.	06.09.21
PERSIMMON	Drawing Title SITE FENCES ( SHEET 6 - 2.1r	;)	
RARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:10 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/025		Rev. B



- 1. All timber shall be strength class C24 to BS5628-2.
- All timber is to be pre-treated with a pressure applied wood preservative. Timber panels to comply with class 3.2 to BS EN 335-2 : 2006, for exterior use above ground in an unprotected environment.
- 3. All foundation concrete to be designated mix GEN 1 to BS8500-1.
- 4. All reinforcement is to be deformed type 2 high yield steel to BS4449. All mesh reinforcement to BS4449.
- 5. Fence design allows for

A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details. Max 500 thickness soil retained height, surcharge loads are not permitted.

 Details of fence posts and gravel board are not known. Post assumed to contain at least 2H12 bars with 20 cover, 1FF, 1NF, and to be minimum 95x125 dimension.

- The design must be used in temporary situations only where surcharge loading can be prevented, it is possible that some panels may be dislodged in high winds, and may need to be replaced. The detail must not be adopted in critical locations.
- Assumed ground conditions are firm to stiff clay with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.
- 9. Where foundation placed in loose top soil the depth must be increased equal to the depth of the loose top soil.
- 10. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.



В	Construction	Construction issue.	
PERSIMMON	Drawing Title SITE FENCES SHEET 7 - 2.1r	;)	
RARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:10 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/026		Rev. B



В	Construction	issue.	06.09.21
PERSIMMON	Drawing Title SITE FENCES CONCRETE SHEET 8 - 1.8m (GRANULAR		soils)
RARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:10 1:25	Drawn JL
RUCTION	<sup>Dwg. Ref.</sup> PH/TWD/027		Rev. B



400 x 400 x 1100 min high mass concrete foundation. Where ground level varies, top of foundation at lowest ground level.

Post to be positioned in hole before concrete is placed. Post must extend full depth of hole. Concrete to be well rammed as filling proceeds.



1. All timber shall be strength class C24 to BS5628-2.

- 2. All timber is to be pre-treated with a pressure applied wood preservative. Timber panels to comply with class 3.2 to BS EN 335-2: 2006, for exterior use above ground in an unprotected environment.
- 3. All foundation concrete to be designated mix GEN 1 to BS8500-1.
- 4. All reinforcement is to be deformed type 2 high yield steel to BS4449. All mesh reinforcement to BS4449.
- 5. Fence design allows for

A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details. Max 200 soil retained height, 2.5 kN/m<sup>2</sup> surcharge.

6. Details of fence posts and gravel board are not known. Post assumed to contain at least 2H12 bars with 20 cover, 1NF, 1FF, and to be minimum 95x125 dimensions.

7. The design must be used in temporary situations only, it is possible that some panels may be dislodged in high winds and may need to be replaced.

The detail must not be adopted in critical locations

- 8. Assumed ground conditions are medium dense sand or gravel (SPT>10) with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.
- 9. Where foundation placed in loose top soil the depth must be increased equal to the depth of the loose top soil.
- 10. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.

В	Construction	issue.	06.09.21
PERSIMMON	Drawing Title SITE FENCES CONCRETE SHEET 9 - 1.8m (GRANULAR SOILS)		
Project Title	Date	Scale	Drawn
TEMPORARY WORKS STANDARD DETAILS	17.08.21	1:10 1:25	JL
Drawing Status	Dwg. Ref.		Rev.
CONSTRUCTION	PH/TWD/028		B



- 1. All timber shall be strength class C24 to BS5628-2.
- 2. All timber is to be pre-treated with a pressure applied wood preservative. Timber panels to comply with class 3.2 to BS EN 335-2: 2006, for exterior use above ground in an unprotected environment.
- 3. All foundation concrete to be designated mix GEN 1 to BS8500-1.
- 4. All reinforcement is to be deformed type 2 high yield steel to BS4449. All mesh reinforcement to BS4449.
- 5. Fence design allows for

A maximum dynamic wind pressure based on a site wind speed of 21.5 m/s at a 2 year design life. This is equivalent to a site 50 year wind speed of 25.2 m/s. For higher wind speeds refer to separate details.

Max 500 thickness soil retained height, surcharge loads are not permitted.

Details of fence posts and gravel board are not 6. known. Post assumed to contain at least 2H12 bars with 20 cover, 1NF, 1FF, and to be minimum 95x125 dimensions.

- 7. The design must be used in temporary situations only where surcharge loading can be prevented, it is possible that some panels may be dislodged in high winds and may need to be replaced. The detail must not be adopted in critical locations
- 8. Assumed ground conditions are medium dense sand or gravel (SPT>10) with a safe bearing pressure of at least 100KN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where the depth of topsoil exceeds 200mm foundation to be deepened to suit.
- 9. Where foundation placed in loose top soil the depth must be increased equal to the depth of the loose top soil.
- 10. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.

of foundation at lowest ground level.

Post to be positioned in hole before concrete is placed. Post must extend full depth of hole. Concrete to be well rammed as filling proceeds.



В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SITE FENCES CONCRETE SHEET 10 - 2.1m (GRANULA		r soils)
rary works standard details	Date 17.08.21	<sup>Scale</sup> 1:10 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/029		Rev. B



- Assumed ground conditions are firm to stiff clay (Cu > 40 kN/m<sup>2</sup>) or medium dense sand and gravel (N > 8) with a safe bearing pressure of 75 KN/m<sup>2</sup> and a maximum of 200mm depth of top soil.
- 4. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil, foundations to be deepened to suit.
- 5. Wind speeds are detailed on drawing PH/TWD/001.



В	Construction issue.		06.09.21
PERSIMMON	Drawing Title HERAS FENC WITH CONCI	rions	
rary works standard details	Date 17.08.21	<sup>Scale</sup> 1:5 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/030		Rev. B





В	Construction issue.		06.09.21
PERSIMMON	Drawing Title HERAS FENCING DETAIL		
RARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:25	Drawn JL
RUCTION	<sup>Dwg. Ref.</sup> PH/TWD/031		Rev. B





В	Construction issue.		06.09.21
PERSIMMON	Drowing Title HERAS FENCING DETAIL		
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/032		Rev. B



- 1. All timber shall be strength class C24 to BS5628-2.
- 2. All timber is to be pre- treated with a pressure applied wood preservative. Timber posts to comply with class 4.1 to BS EN 335-2 : 2006, for exterior use in contact with ground and/or fresh water.
- Assumed ground conditions are firm to stiff clay (Cu > 40 kN/m<sup>2</sup>) or medium dense sand and gravel (N > 8) with a safe bearing pressure of 75 KN/m<sup>2</sup> and a maximum of 200mm depth of top soil.
- 4. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil, foundations to be deepened to suit.
- 5. Wind speeds are detailed on drawing PH/TWD/001.



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PERSIMMON	Drawing Title HERAS FENC WITH CONCI FULLY SHEETE	ING RETE FOUNDAT ED	(ions
RY WORKS STANDARD DETAILS	Date 10.09.21	<sup>Scale</sup> 1:5 1:25	Drawn JL
ICTION	<sup>Dwg. Ref.</sup> PH/TWD/033		Rev. A





# TABLE 1 : VARIATIONS OF RECOMMENDATIONS FOR DIFFERENT LOADING CONDITIONS

TOWN TERRAIN :-Where there are built up areas around the full extent of the site, within 100m of the boundary and extending at least 2km. COUNTRY TERRAIN:- All areas which are not defined as town terrain.

TEMPOR Drawing Status CONSTR

1. All steelwork shall be to BS EN 10025 grade S355J0 unless noted otherwise

All steelwork to be hot dip galvanised to BS EN ISO 1461 - 1999

- A maximum peak velocity pressure for basic wind speed of 23.5m/s in country

Assumed ground conditions are firm clay (Cu > 40 kN/m2) or medium dense sand and gravel (N>8) with a safe bearing pressure of 75 KN/m<sup>2</sup> and a maximum of 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil,

Where foundation placed in loose topsoil the depth must be increased equal to

7. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SIGN BOARDS SHEET 2 1.50m x 3.00m		
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/041		Rev. B



## TABLE 1 : VARIATIONS OF RECOMMENDATIONS FOR DIFFERENT LOADING CONDITIONS

TOWN TERRAIN :-Where there are built up areas around the full extent of the site, within 100m of the boundary and extending at least 2km. COUNTRY TERRAIN:- All areas which are not defined as town terrain.

All steelwork shall be to BS EN 10025 grade S355J0 unless noted otherwise

All steelwork to be hot dip galvanised to BS EN ISO 1461 - 1999

- A maximum peak velocity pressure for basic wind speed of 23.5m/s in country
- Wind speeds are detailed on dwg No PH/TWD/001.

Assumed ground conditions are firm clay (Cu > 40 kN/m2)or medium dense sand and gravel (N>8) with a safe bearing pressure of 75 KN/m<sup>2</sup> and a maximum of 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil,

Where foundation placed in loose topsoil the depth must be increased equal to

7. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground

В	Construction	issue.	06.09.21
PERSIMMON	Drawing Title SIGN BOARD 1.22m x 2.44r		
Project Title	Date	<sup>Scale</sup>	Drawn
TEMPORARY WORKS STANDARD DETAILS	17.08.21	1:25	JL
Drawing Status	Dwg. Ref.		<sup>Rev.</sup>
CONSTRUCTION	PH/TWD/042		B





3.

All steelwork to be hot dip galvanised to BS EN ISO 1461 - 1999 2.

All foundation concrete to be GEN1 concrete

Signboard design allows for :-4.

- A maximum peak velocity pressure for basic wind speed of 25m/s in country terrain 150m max above sea level and min 2km from the coast. For different site wind speeds refer to separate details. Wind speeds are detailed on dwg No PH/TWD/001.
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5.

6.

7. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.



1. All steelwork shall be to BS EN 10025 grade S355J0 unless noted otherwise

Assumed ground conditions are firm clay (Cu > 40 kN/m2)or medium dense sand and gravel (N>8) with a safe bearing pressure of 75 KN/m<sup>2</sup> and a maximum of

200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil, foundations to be deepened to suit.

Where foundation placed in loose topsoil the depth must be increased equal to the depth of the loose topsoil.

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SIGN BOARDS SHEET 4 1.00m x 0.75m & 0.50m x 0.		.75m
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:25	Drawn JL
RUCTION	<sup>Dwg. Ref.</sup> PH/TWD/043		<sup>Rev.</sup> B



For different site wind speeds see table below. Wind speeds are detailed on dwg No PH/TWD/001.

	TOWN TERRAIN Up to 22m/s Up to 50m altitude Min 100km from the sea.	COUNTRY TERRAIN Up to 22m/s Up to 50m altitude Min 100km from the sea.	TOWN TERRAIN Up to 23.5m/s Up to 100m altitude Min 10km from the sea.	COUNTRY TERRAIN Up to 23.5m/s Up to 100m altitude Min 10km from the sea.	TOWN TERRAIN Up to 25.0m/s Up to 150m altitude Min 2km from the sea.	COUNTRY TERRAIN Up to 25.0m/s Up to 150m altitude Min 2km from the sea.
FOUNDATION SIZE	450Ø x 700	450Ø x 800	450Ø x 800	450Ø x 850	450Ø x 900	450Ø x 1000
BASE LEVEL	(900)	(1000)	(1000)	(1050)	(1100)	(1200)

# TABLE 1 : VARIATIONS OF RECOMMENDATIONS FOR DIFFERENT LOADING CONDITIONS

TOWN TERRAIN :-

Where there are built up areas around the full extent of the site, within 100m of the boundary and extending at least 2km.

COUNTRY TERRAIN:- All areas which are not defined as town terrain.



All steelwork shall be to BS EN 10025 grade S355J0 unless noted otherwise

All steelwork to be hot dip galvanised to BS EN ISO 1461 - 1999

All foundation concrete to be GEN1 concrete

Signboard design allows for :-

A maximum peak velocity pressure for basic wind speed of 23.5m/s in country terrain 100m max above sea level and 10km from the coast.

- For different site wind speeds see table below.
- Wind speeds are detailed on dwg No PH/TWD/001.

Assumed ground conditions are firm to stiff clay (Cu > 40 kN/m2)or medium dense sand and gravel (N>8) with a safe bearing pressure of 75 KN/m<sup>2</sup> and a maximum of 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil, foundations to be deepened to suit.

Where foundation placed in loose topsoil the depth must be increased equal to the depth of the loose topsoil.

7. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2. Note:- Site specific details required for foundations cast into ground

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SIGN BOARDS SHEET 1 2.44m x 1.22m		
RARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/044		<sup>Rev.</sup> B









All steelwork to be to BSEN 10025 grade S355 unless noted otherwise.

All steelwork to be hot dip galvanised to BSEN ISO 1461-1999.

All foundation concrete to be GEN1 concrete.

4. Flagpole and foundation design allows for a maximum peak velocity pressure for basic wind speed of 23.5m/s in country terrain 100m max above sea level and 100km from the coast. For different site wind speeds see table below. Wind speeds are detailed on dwg No PH/TWD/001. Maximum flag size 2400 high x 915 wide.

5. Assumed ground conditions are firm to stiff clay (Cu > 40kN/m<sup>2</sup>) with a safe bearing capacity of at least 75kN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil, foundations to be deepened to suit.

7. Where flagpoles are positioned in the vicinity of a hoarding or fence, they must be separated from the fence or hoarding by at least 450mm.

8. Where foundation placed in loose top soil the depth must be increased equal to the

9. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2.

Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.

ERRAIN .0m/s 0m altitude from the sea.	COUNTRY TERRAIN Up to 25.0m/s Up to 150m altitude Min 2km from the sea.
5.0 CHS	76.1 x 5.0 CHS
Ø x 750	400Ø x 800

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title FLAG POLE CLAY SOILS		
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:25	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/046		Rev. B





All steelwork to be to BSEN 10025 grade S355 unless noted otherwise.

All steelwork to be hot dip galvanised to BSEN ISO 1461-1999.

Flagpole and foundation design allows for a maximum peak velocity pressure for basic wind speed of 23.5m/s in country terrain 100m max above sea level and 100km from the coast. For different site wind speeds see table below. Wind speeds are detailed on dwg No PH/TWD/001. Maximum flag size 2400 high x 915 wide.

Assumed ground conditions are medium dense sand or gravel (SPT N<8) with a safe bearing capacity of at least 75kN/m<sup>2</sup> and a maximum 200mm depth of top soil. Ground conditions are to be verified on site prior to commencement of construction. Where there is an increased depth of topsoil, foundations to be deepened to suit.

Where flagpoles are positioned in the vicinity of a hoarding or fence, they must be separated from the fence or hoarding by at least 450mm.

Where foundation placed in loose top soil the depth must be increased equal to the

9. It is assumed that all foundations will be placed in ground which is level or at a slope not exceeding 1 in 12. All foundations to be placed at least 1.0m away from a slope which is steeper than 1 in 12 but less than 1 in 4. All foundations to be placed at least 1.5m away from a slope which is steeper than 1 in 4 but less than 1 in 2.

Note:- Site specific details required for foundations cast into ground steeper than 1 in 12.

RRAIN n/s n altitude om the sea.	COUNTRY TERRAIN Up to 25.0m/s Up to 150m altitude Min 2km from the sea.
5.0 CHS	76.1 x 5.0 CHS
x 850	450Ø x 900

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title FLAGPOLE GRANULAR S	SOILS	
ARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:25	Drawn JL
RUCTION	<sup>Dwg. Ref.</sup> PH/TWD/047		Rev. B



Topsoil and soft/unsuitable material to be removed. Formation to be proof rolled with a minimum 4 passes of a vibrating roller of weight over 2300 kg/m of vibrating roll, prior to placing type 1 sub base. Where CBR is between 1% and 5% a layer of Lotrak Geotextile is to be placed on top of the formation beneath the granular sub base. (See Table)

TYPICAL SECTION THROUGH ROAD WITH CBR VALUE OVER 1.0-1.5%\* REFER TO TABLE 1 FOR REQUIREMENTS FOR DIFFERENT CBR VALUES ASSUMED 150 LAYER THICKNESS-REFER TO TABLE 2.

/here /er of on top of	<u>CBR</u> VALUE	EQUIVALENT Cu (kN/m²)	UNREINFORCED CONSTRUCTION THICKNESS (MIN)	<u>GEOTEXTILE</u>
ar sub	* 1.0 - 1.5%	25 - 35	750	Lotrak 2800
	1.5 - 2.0%	35 - 47	550	Lotrak 2800
	2.0 - 3.0%	47 - 68	450	Lotrak 1800
* Examples used	3.0 - 5.0%	68 - 100	400	Lotrak 1800
** in sections	** Over 5.0%	Over 100	300	N/A

## TABLE 1 : THICKNESS OF STONE REQUIRED FOR DIFFERENT CBR VALUES

VIBRATORY ROLLER WITH SPECIFIED WEIGHT PER METRE OF VIBRATING ROLL	MAX LAYER THICKNESS	MIN NUMBER OF PASSES
Over 2300 - 2900 kg	110	3
	150	5
	250	11
Over 2900 - 3600 kg	110	3
	150	5
	250	10
Over 3600 - 4300 kg	110	2
	150	4
	250	8
Over 4300 kg	110	2
	150	3
	250	6

## TABLE 2 : DETAILS OF HAUL ROAD COMPACTION REQUIREMENTS TO SUIT DIFFERENT ROLLERS AND LAYER THICKNESS

with depth. If this is not the case



CONSTRUCTION

## **DESIGN ASSUMPTIONS :-**

- 1. Short term design life, requiring repairs when rut depth becomes excessive, typically after 3 months. Design life may be extended but it is likely that substantial rebuilding will be required. Based on permissible rut depth of 225mm. In winter months more frequent repairs may be required. Design follows the method in the Loktrak Geotextiles Design Guide (Don and Low Ltd).
- 2. Ground conditions assume minimum safe bearing capacity of 50 kN/m<sup>2</sup> and a CBR of at least 1%.
- 3. Design assumes approx 300 passes of 80 kN standard axle over a 3 month period - equivalent to 25 passes per day of JCB 535 telehandler or 1 x 44 ton truck per week plus 2 concrete wagon deliveries per day. The design does not allow for crane outrigger loading. Specific details to be assessed for each site individually.
- 4. This arrangement may be used when the consequence of a vehicle leaving the road are not particularly severe. To be assessed on a site-specific basis. It may be necessary in some circumstances to provide additional edge protection or to increase the road width to suit.



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Loktrak geotextile manufactured by Don and Low Ltd. 5.

**DESIGN ASSUMPTIONS :-**



- 4. This arrangement may be used when the consequence of a vehicle leaving the road are not particularly severe. To be assessed on a site-specific basis. It may be necessary in some circumstances to provide additional edge protection or to increase the road width to suit.
- 5. Loktrak geotextile manufactured by Don and Low Ltd.

**DESIGN ASSUMPTIONS :-**

CBR of at least 1%.

1.

2.

3.



- 3. Design allows for frequent use by heavy site vehicles equivalent to 1 x 75 tonne dump truck per day for 6 weeks, 25 x 24 tonne trucks per day for 2 years and 25 concrete wagon deliveries per day for 2 years.
- This arrangement provides some enhanced edge protection. If consequences of a vehicle leaving the road are particularly severe, it may be necessary to increase the road width or provide additional guarding. To be assessed on a site specific basis.

5. Loktrak geotextile manufactured by Don and Low Ltd.

**DESIGN ASSUMPTIONS :-**

CBR of at least 1%.

1.

2.



LENGTH L FO	R 1.2M HIGH EXC	AVATION
MATERIAL	DRY SITE	WET SITE
Boulders	1.71	2.07
Cobbles	1.71	2.07
Gravel	2.07	6.80
Sand	2.07	6.80
Silt	3.29	13.70
Soft Clay	2.07	6.80
Firm Clay	1.71	3.29
Stiff Clay	1.43	2.57
Peat Soft Non-fibrous	6.80	13.70
Peat Firm Non-fibrous	4.47	6.80
Peat Firm Fibrous	1.71	3.29
Peat Stiff Fibrous	1.71	2.57

Design recommendations are based on CIRIA report 97 - Trenching Practice.

1. For slopes less than 1200 high, battered length may be interpolated linearly.

Restraint barrier around full extent of

- 2. Stockpiled materials and other surcharge loads must not be located closer than 1500 to the top of the excavation as shown.
- 3. Restraint barrier is to be provided to prevent access by construction traffic within 2500 of top of excavation.
- 4. Where ground level varies by more than 300 on opposite sides of excavation, refer to Temporary Works Designer for site specific advice.
- 5. Recommendations are based on a temporary condition where the excavation is open for no A wet site is submerged or shows widespread
- seepage from excavated faces. A dry site has minor or no seepage from excavated faces and minor or no surface run-off.
- 7. It may be possible to steepen slopes if more detailed ground investigation information is available.
- 8. For wet ground conditions some slope lengths may be impractical, and dewatering should be considered.
- 9. To ensure safe working in excavations due care must be taken.
- 10. PPE must be worn at all times by everyone in the excavation.
- 11. The depth of the water table must be considered at all times and dewatering may be required.





В	Construction	issue.	06.09.21
PERSIMMON	Drawing Title EXCAVATION FOR BATTERE NOT GREATE	i Guidance d Trenches r Than 1.2m [	DEPTH
Project Title	Date	<sup>Scale</sup>	Drawn
TEMPORARY WORKS STANDARD DETAILS	17.08.21	1:50	JL
Drawing Status	<sup>Dwg. Ref.</sup>		<sup>Rev.</sup>
CONSTRUCTION	PH/TWD/060		B

Restraint barrier around full extent of excavation to prevent vehicular access close to the edge of the excavation. All barriers to be connected together. Barrier must be maintained for the full duration that the excavation is open and must  $\underline{\mathsf{NOT}}$  be removed.



### INDICATIVE SEQUENCE OF WORKING WITH TRENCH SHEETING

- 1. Installation of sheeting, excavation and insertion of walings is to be undertaken in stages until the full excavation depth is achieved. This is to ensure that the trench is supported at all times.
- 2. Excavate ground sufficiently to allow top waling frame to be positioned.
- 3 Locate walings and props in position. Drive sheet piles initially to at least 500mm below the top row
- 4 of walings.
- 5
- Tighten props. Continue to drive piles to 500mm min below next row of 6 walings or to maximum depth if possible.
- Excavate minimum amount to allow next row of walings and 7. props to be installed.
- 8 Install walings and props.
- 9. Excavate to base.

LENGTH L FOR 1.2M HIGH EXCAVATION			
MATERIAL	DRY SITE	WET SITE	
Boulders	1.71	2.07	
Cobbles	1.71	2.07	
Gravel	2.07	6.80	
Sand	2.07	6.80	
Silt	3.29	13.70	
Soft Clay	2.07	6.80	
Firm Clay	1.71	3.29	
Stiff Clay	1.43	2.57	
Peat Soft Non-fibrous	6.80	13.70	
Peat Firm Non-fibrous	4.47	6.80	
Peat Firm Fibrous	1.71	3.29	
Peat Stiff Fibrous	1.71	2.57	

Design recommendations are based on CIRIA report 97 - Trenching Practice.

### GENERAL NOTES

- 1. For slopes less than 1200 high, battered length may be interpolated linearly.
- 2. Stockpiled materials and other surcharge loads must not be located closer than 1500 to the top of the excavation as shown.
- Restraint barrier is to be provided to prevent access by construction traffic within 3000 of top of excavation. 3. Where ground level varies by more than 300 on opposite sides of excavation, refer to Temporary Works 4.
- Designer for site specific advice. Recommendations are based on a temporary condition where the excavation is open for no longer than 14 5.
- davs A wet site is submerged or shows widespread seepage from excavated faces. A dry site has minor or no 6.
- seepage from excavated faces and minor or no surface run-off.
- It may be possible to steepen slopes if more detailed ground investigation information is available.
- For wet ground conditions some slope lengths may be impractical, and dewatering should be considered. 8 9
- To ensure safe working in excavations due care must be taken. 10. PPE must be worn at all times by everyone in the excavation.
- 11. The depth of the water table must be considered at all times and dewatering may be required.
- 12. Ensure trench walls are vertical and cleanly dug.
- 13. Install the trench support as the excavation proceeds.
- 14. Minimise and fill voids behind support.
- 15. Ensure all slack is taken up in struts.
- 16. Use good quality back fill on completion and ensure adequate compaction.
- 17. Ground level surcharge is not to exceed 10kN/m<sup>2</sup>.
- 18. Max slope across trench to be 1in4.
- 19.
- All sheets must be toed in. Wailings to extend at least twice the thickness of the wailings beyond the strut. 20. Wailings must be supported by hangers or puncheons, and struts by lip blocks or other means.
- 21. When entering excavations a tied ladder or other approved safe means of access must be used.



В	Construction issue.		06.09.21
PERSIMMON	EXCAVATION FOR BATTERE NOT GREATE	n Guidance d trenches r than 3.0m [	DEPTH
Project Title TEMPORARY WORKS STANDARD DETAILS	Date 17.08.21	scale 1:50	Drawn JL
Drawing Status CONSTRUCTION	PH/TWD/061 Rev. B		<sup>Rev.</sup> B



LENGTH L FOR 3.0M HIGH EXCAVATION			
MATERIAL	DRY SITE	WET SITE	
Boulders	4.28	5.18	
Cobbles	4.28	5.18	
Gravel	5.18	17.00	
Sand	5.18	17.00	
Silt	8.23	NOT SUITABLE	
Soft Clay	5.18	17.00	
Firm Clay	4.28	8.23	
Stiff Clay	3.57	6.43	
Peat Soft Non-fibrous	NOT SUITABLE	NOT SUITABLE	
Peat Firm Non-fibrous	NOT SUITABLE	NOT SUITABLE	
Peat Firm Fibrous	4.28	8.24	
Peat Stiff Fibrous	4.28	6.43	

Design recommendations are based on CIRIA report 97 - Trenching Practice.



Restraint barrier around full extent of excavation to prevent vehicular access close to the edge of the excavation. All barriers to be connected together. Barrier must be maintained for the full duration that the excavation is open and must  $\underline{\text{NOT}}$  be removed.

### 4000min

- 1. For slopes less than 3000 high, battered length may be interpolated linearly.
  Stockpiled materials and other surcharge loads must
  - not be located closer than 3000 to the top of the excavation as shown.
- 3. Restraint barrier is to be provided to prevent access by construction traffic within 4000 of top of
- 4. Where ground level varies by more than 300 on opposite sides of excavation, refer to Temporary Works Designer for site specific advice.
- 5. Recommendations are based on a temporary
  - condition where the excavation is open for no longer than 14 days.
- 6. A wet site is submerged or shows widespread
  - seepage from excavated faces. A dry site has minor or no seepage from excavated faces and minor or no surface run-off.
- It may be possible to steepen slopes if more detailed ground investigation information is available.
- 8. For wet ground conditions some slope lengths may be impractical, and dewatering should be considered.9. To ensure safe working in excavations due care must
  - be taken.
- 10. PPE must be worn at all times by everyone in the excavation. 11. The depth of the water table must be considered at
  - all times and dewatering may be required.

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title EXCAVATION FOR BATTERE NOT GREATE	n Guidance d trenches r than 3.0m [	DEPTH
ARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:50	Drawn JL
UCTION	<sup>Dwg. Ref.</sup> PH/TWD/062		Rev. B



5. Where required, all exposed vertical and horizontal edges of concrete shall have 25 x 25 chamfer. Chamfer shall extend to 150 below finished ground level.

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title MORTAR SILO FOUNDATION		7
Project Title	Date	Scale	Drawn
TEMPORARY WORKS STANDARD DETAILS	17.08.21	1:20	JL
Drawing Status	<sup>Dwg. Ref.</sup>		Rev.
CONSTRUCTION	PH/TWD/070		B



# BASE FOR STANDARD SCAFFOLD

Notes :-

- 1. Maximum leg load on a standard = 5.0kN.
- Required bearing capacity for sub grade is 75 kN/m<sup>2</sup>. For example firm clay or well compacted granular fill. 2.



BASE FOR SCAFFOLD LOADING BAY

Notes :-

- Maximum leg load on a standard = 11.5kN. 1.
- Required bearing capacity for sub grade is 75 kN/m<sup>2</sup>. For example firm clay or well compacted granular fill.



В	Construction	06.09.21	
PERSIMMON	Drawing Title SCAFFOLD B	ASES	
RARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:20	Drawn JL
RUCTION	<sup>Dwg. Ref.</sup> PH/TWD/080		Rev. B



3mm nails	50 x 25 battens
[•]	
141	
•	
[4]	
•	
<u> </u>	
1500 max c/c	

## PLAN SHOWING BATTEN REQUIREMENTS ON TOP CHORDS OF STORED TRUSSES.

1. To avoid distortion and prevent damage, trussed rafters are to be stored clear of the ground, either flat on level bearers placed under joints (for short term storage only) or vertically and propped (for long term storage).

2. Where trusses are to be stored for more than 2 days, trusses to be protected with covers, fixed with a gap at the bottom for ventilation.

3. Where stored vertically, timber bearers are to be provided at the wallplate positions. All timbers stored vertically are to be secured to scaffold framework with heavy duty

4. Extreme care is required when removing the bindings from a bundle of trusses. To protect against destabilisation of a bundle of trusses, timber battens to be fixed across the bundle at 1.5m max centres with a part driven nail into each truss to allow safe removal of a single truss when the bindings have been removed.

5. All damaged trusses are to be replaced and NOT repaired.

6. All timber is to be strength class C16 to BS EN 338-2009

7. All scaffold tubes are to be BS EN 39 "as new condition"

8. All ladder beams, transoms and standards to be secured using 90° couplers to be fitted to top and bottom of ladder beam.

All scaffolding fittings are to be load bearing class B unless noted otherwise.

9. All standards are to be supported on 75x225 timber spreader plates, min 900 length, 450

If the formation does not consist of a concrete oversite or a firm undisturbed natural

ground with a safe bearing capacity of at least  $100 k \text{N/m}^2$  and granular nature, the

formation is to be stripped to receive 300 thickness of type 1 granular sub base and proof rolled before placing sub base and spreader plates.

Maximum leg load = 12.2 kN

10. The Contractor must verify the adequacy of the ground/foundations to support the props

11. The stability and safety of the equipment during construction is the responsibility of the

В	Construction	issue.	06.09.21
PERSIMMON	Drawing Title TEMPORARY TRUSSED RAF		
ary works standard details	Date 17.08.21	<sup>Scale</sup> 1:50 1:100	Drawn JL
RUCTION	<sup>Dwg. Ref.</sup> PH/TWD/081		Rev. B





General cabins to be stacked 2 high. Single unit used for toilet facilities. Foundation size and spacing may need to be altered for other cabin types

Size	sbc 50 kN/m <sup>2</sup>	sbc 75 kN/m <sup>2</sup>	sbc 100 kN/m <sup>2</sup>
2 x 32' x 9'	1500 x 1500 x 900	1200 x 1200 x 750	1000 x 1000 x 750
1 x 21' x 8'	900 x 900 x 600	750 x 750 x 500	600 x 600 x 450



Design assumes the use of 32' x 9' galvanised steel cabins (weight approx 4.5 tons) and 21' x 8' mild steel cabins (weight approx 3.0 tons) by Pasuda hire.

В	Construction issue.		06.09.21
PERSIMMON	Drawing Title SITE CABIN FOUNDATIONS		
ARY WORKS STANDARD DETAILS	Date 17.08.21	<sup>Scale</sup> 1:20 1:50	Drawn JL
RUCTION	Dwg. Ref. PH/TWD/090		Rev. B