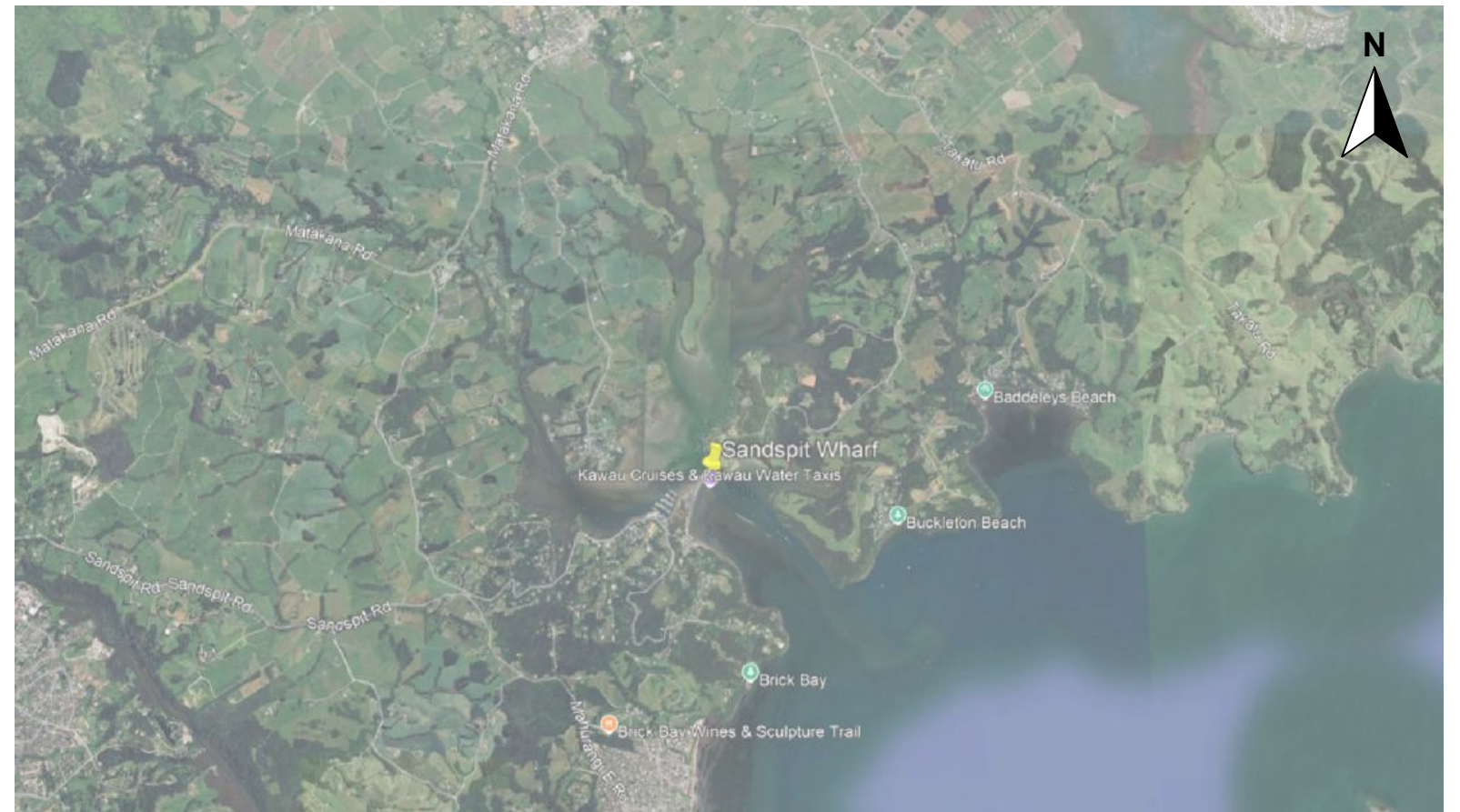


Drawing Status: Preliminary

Sandpit Wharf Great Barrier Island

Drawing Index			
Sheet	Description	Status	Revision / Issue
E01	Existing Layout - Piles and Bracing	Preliminary	01
E02	Existing Layout - Structural Members	Preliminary	01
P01	Proposed Layout	Preliminary	01
D01	Typical Pile and Bracing Details	Preliminary	01
D02	Typical Pile Cap Details	Preliminary	01
D03	Typical Bracing Bracket Detail	Preliminary	01
D04	Pile Cross Section Detail and Joist Fixing Detail	Preliminary	01
S01	Stairs Replacement Plan, Elevation and Render View	Preliminary	01
S02	Stairs Replacement Details	Preliminary	01
S03	Typical Handrail Detail	Preliminary </td <td>01</td>	01
F01	Photo Identification of Phases	Preliminary	01
F02	Overall Wharf Photo	Preliminary	01



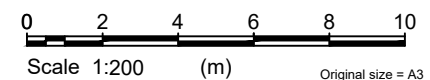
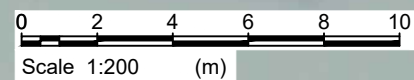


LEGEND

- 300x100 Bearer —
- 300x100 Bearer Support - - -
- 200x100 Bearer —
- Stringer —
- 300x100 Joists —
- Pile ●
- Fender Pile ●

General Notes

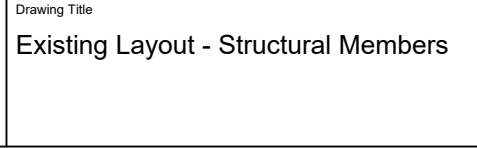
1. Existing bracing not shown.
2. Pile locations are indicative only for reporting purposes, site measure/survey required for accurate placement.



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Client	Project
Auckland Transport	Sandspit Wharf

Drawing Title
Existing Layout - Structural Members



No.	Issue/Revision	Aprvd	Date
A	Preliminary	AH	21/05/26

Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	1:200

Project status:	Preliminary
Project:	30651
Drawing No:	S01
Issue/Rev:	A



Technical Notes

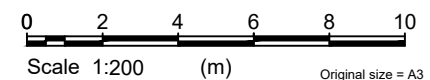
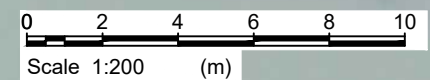
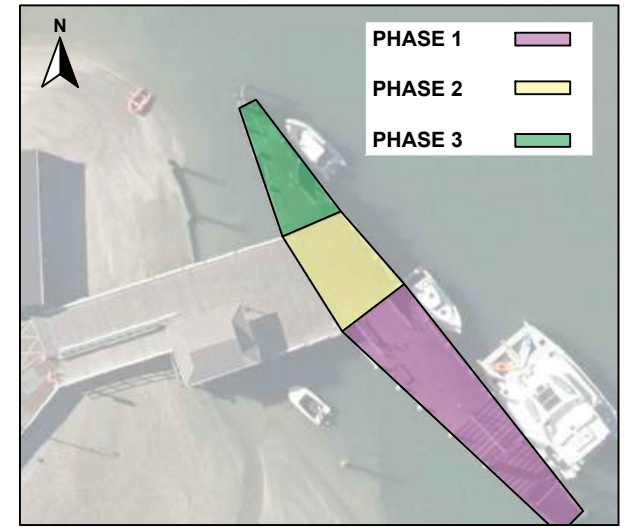
1. New joist spacing to be 1000mm C-C.
2. Decking to consist of 150x75 Purple Heart.
3. Bearer and joists to consist of Purple Heart.
4. New piles to consist of grouted steel (12.7mm) piles 600Ø with PE sleeves.
5. New piles to be installed over timber piles where feasible. Where existing pile location deemed unsuitable, new fully grouted steel pile to be installed.
6. All miscellaneous (handrails, benches, posts, bollards, stairs etc) items to be remounted. New handrails and stairs only applicable for proposed stairs identified.

LEGEND

- Existing Fender Pile ●
- Existing Stairs Reinstated
- Proposed 600Ø Steel Pile ●
- Proposed Bearer 300x100
- Proposed Bearer Support 300x100
- Proposed Joists 300x100
- Proposed Boundary Joists
- Proposed Stairs (Old stairs replaced)

General Notes

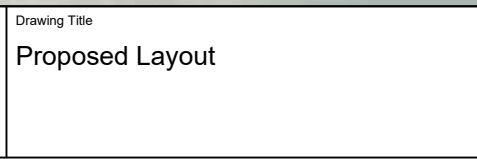
1. Existing bracing and piles not shown (except fender piles)
2. Pile locations are indicative only.
3. Refer to drawing P02 for bracing locations.
4. Refer to drawing S01, S02 and S03 for stairs and handrail replacement detail.
5. Refer to drawing D01, D02 and D03 for pile, bracing and pile cap details.



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Client	Project
Auckland Transport	Sandspit Wharf

Drawing Title
Proposed Layout



Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	1:200

Project status:	Preliminary
Project:	30651
Drawing No.:	S01
Issue/Rev:	A

Issue/Rev:	A
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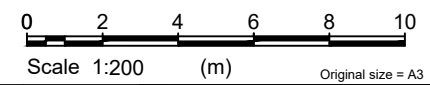
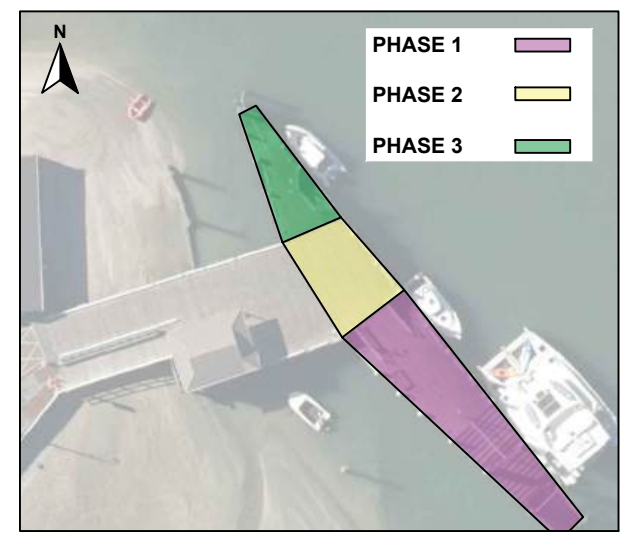
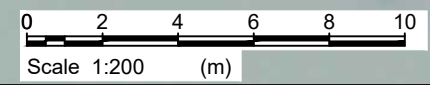


Technical Notes

1. Bracing to consist of turnbuckle, pile clamp, flat bar as brace and connection on to pile head/bearer mounting. Refer to drawings D01, D02 and D03 for details.

LEGEND

- Proposed Bracing
- Proposed Pile



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Client
Auckland Transport

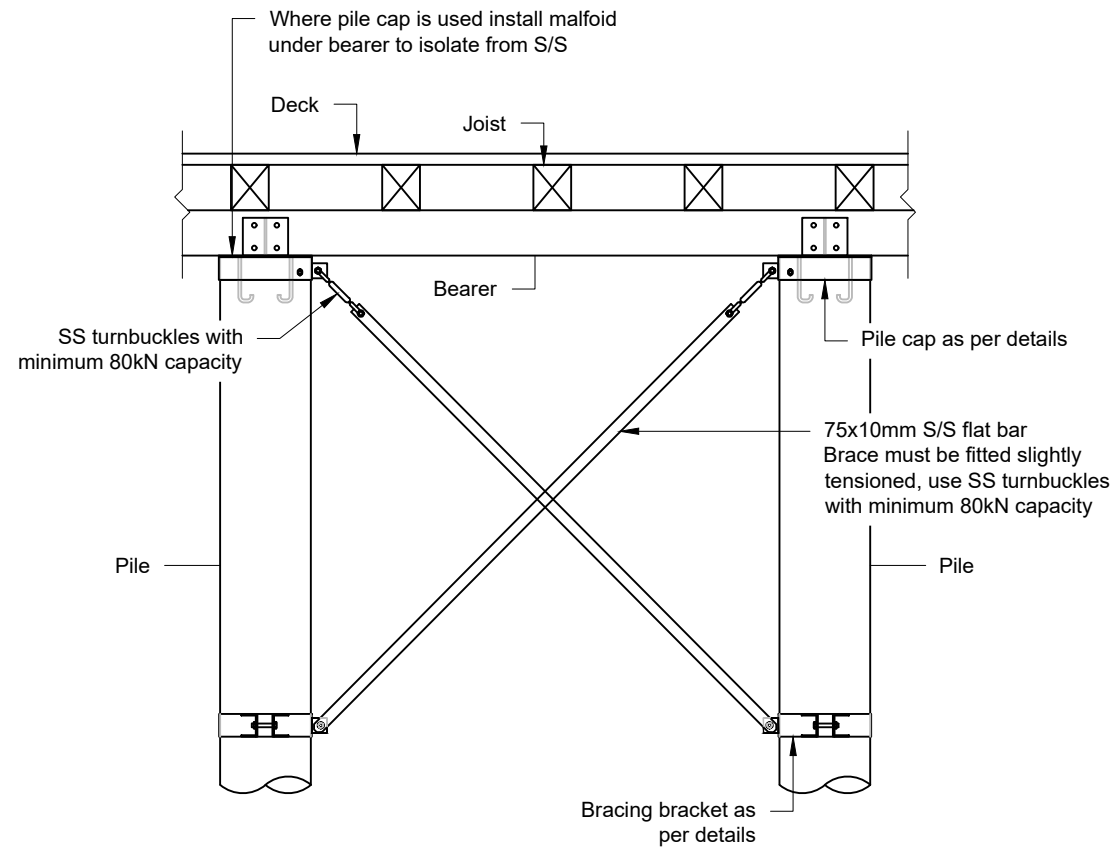
Project
Sandspit Wharf

Drawing Title
Proposed Layout

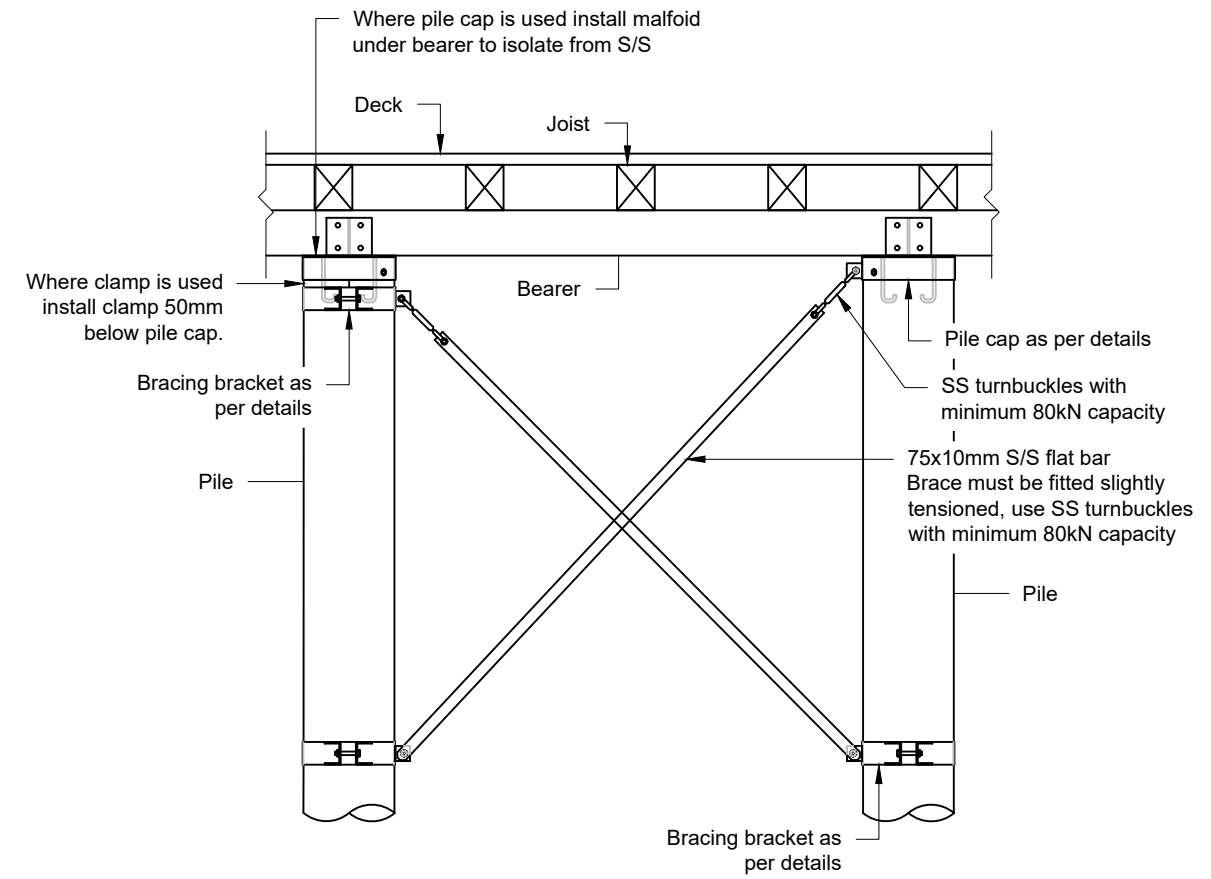


Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	1:200

Project status:	Preliminary
Project:	30651
Drawing No:	S01
Issue/Rev:	A



SCENARIO 01
TYPICAL PILE AND BRACING SECTION
 Not to Scale



SCENARIO 02
TYPICAL PILE AND BRACING SECTION
 Not to Scale

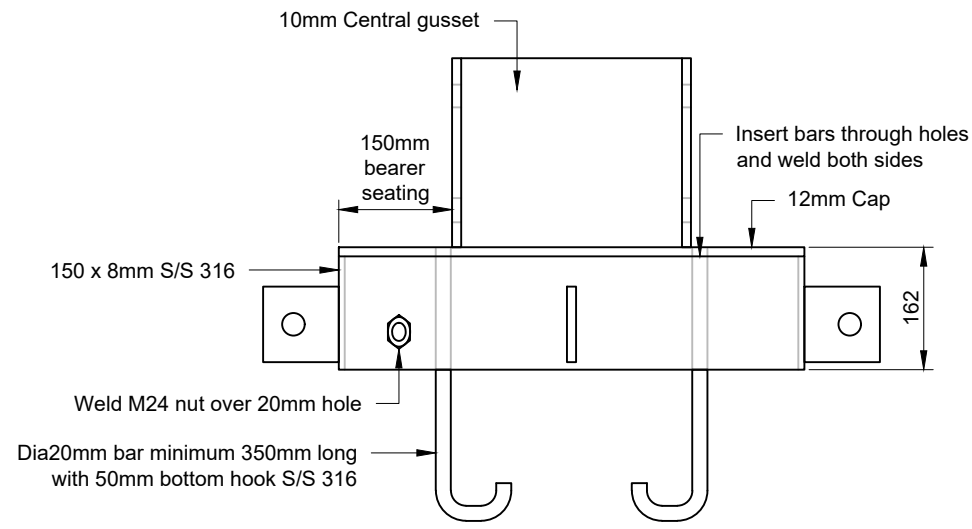
Client	Project
Auckland Transport	Sandspit Wharf

Drawing Title
Typical Pile and Bracing Details

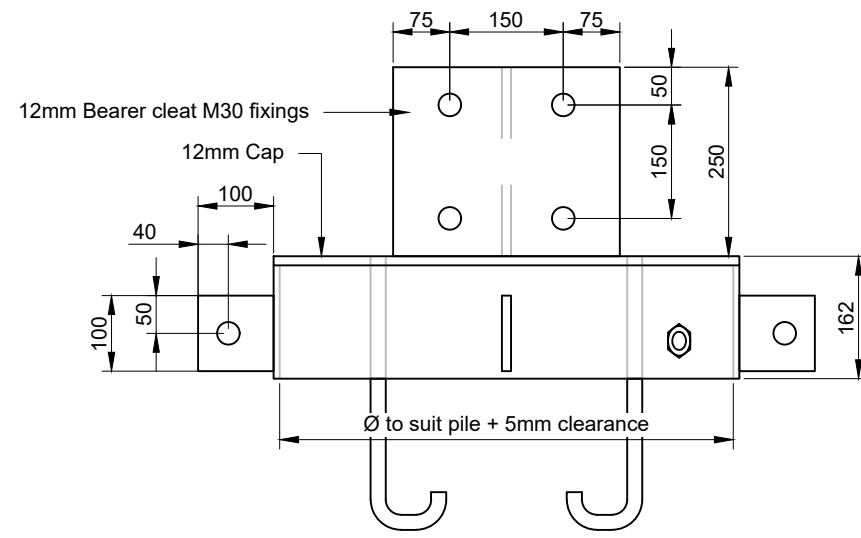


Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

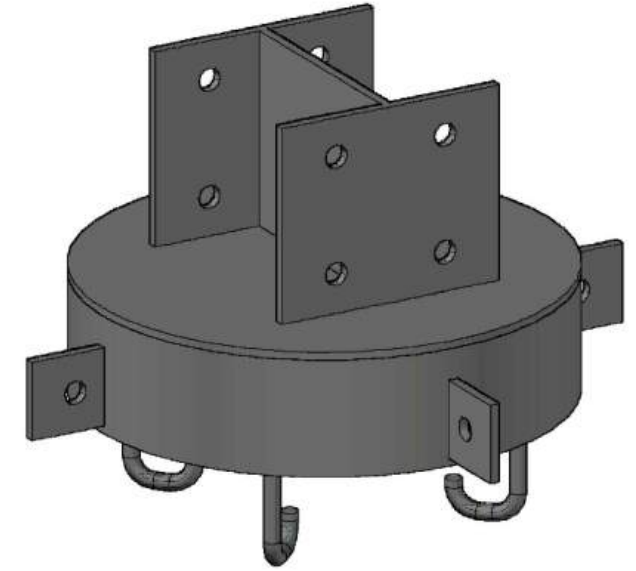
Project status:	Preliminary
Project:	30651
Drawing No:	D01
Issue/Rev:	A



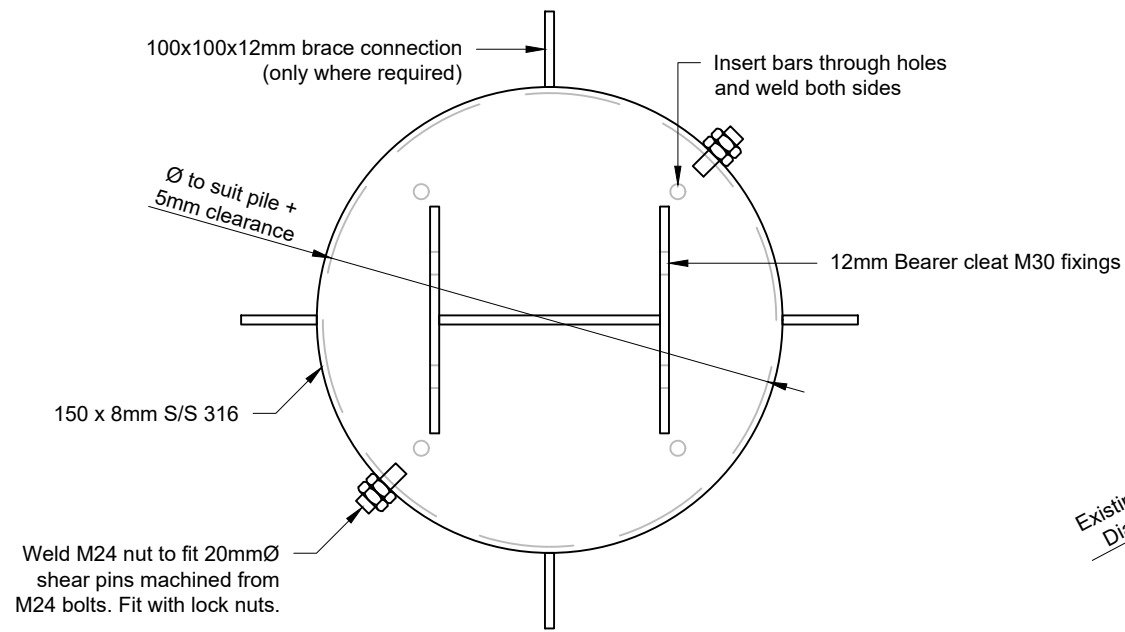
90° ELEVATION
Not to Scale



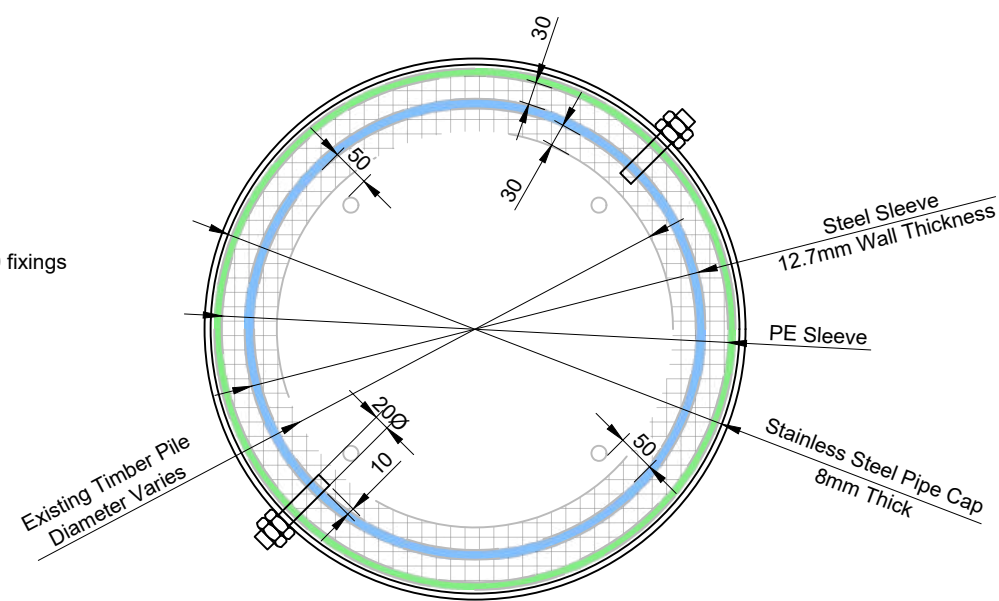
45° ELEVATION
Not to Scale



3D VIEW
Not to Scale

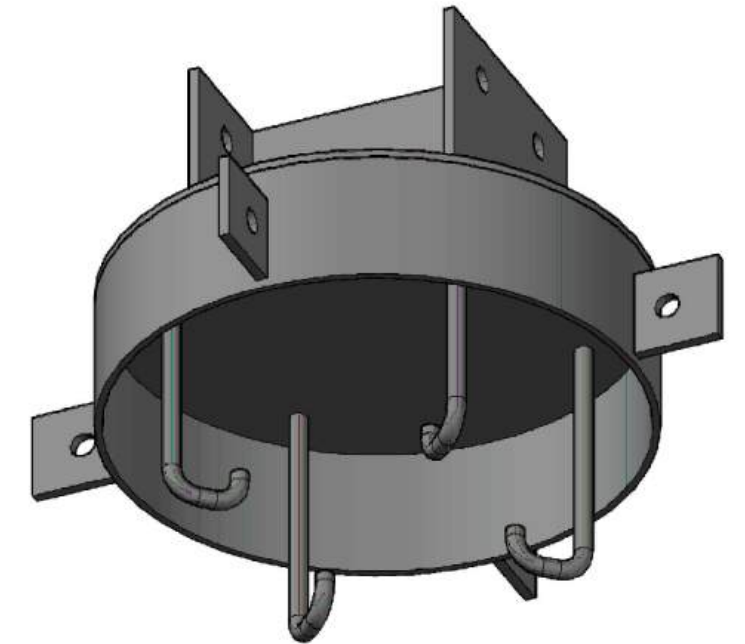


PLAN VIEW
Not to Scale



PLAN VIEW OF PILE SECTION
Not to Scale

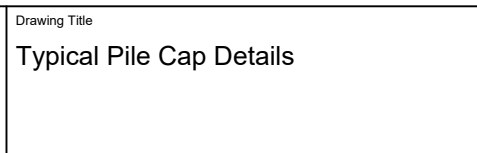
TYPICAL PILE BRACING CAP DETAIL
Not to Scale



3D VIEW
Not to Scale

Client	Project
Auckland Transport	Sandspit Wharf

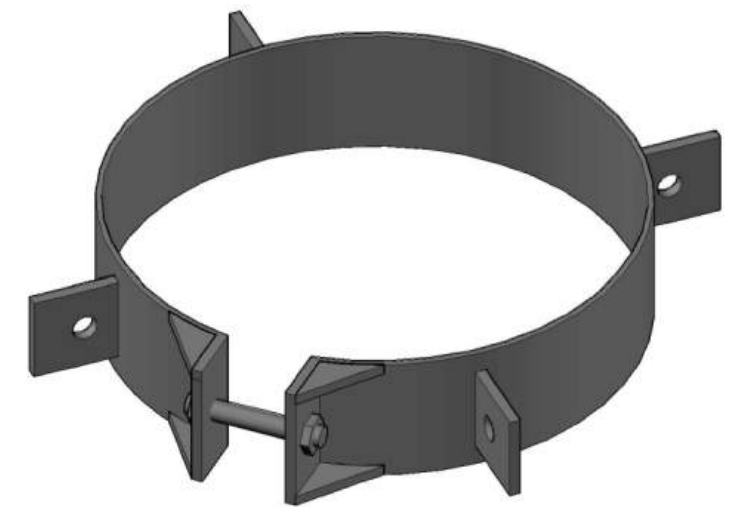
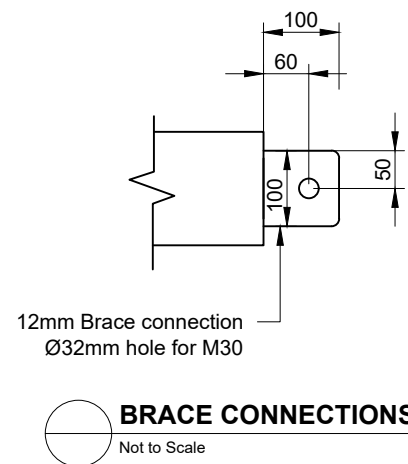
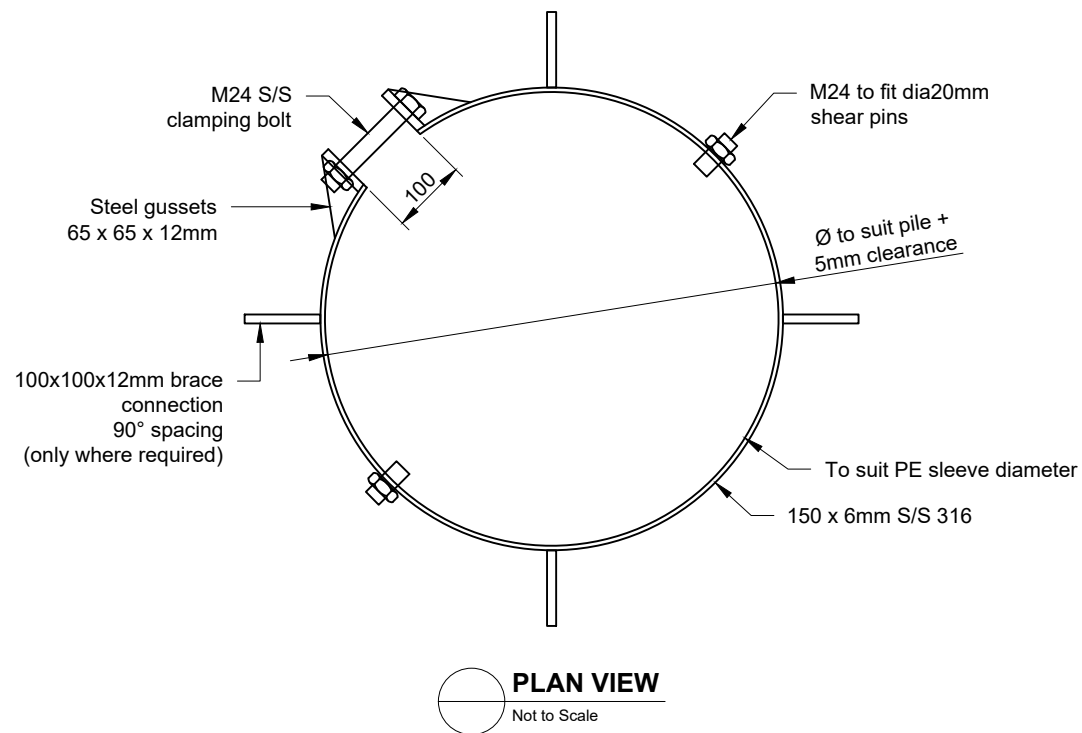
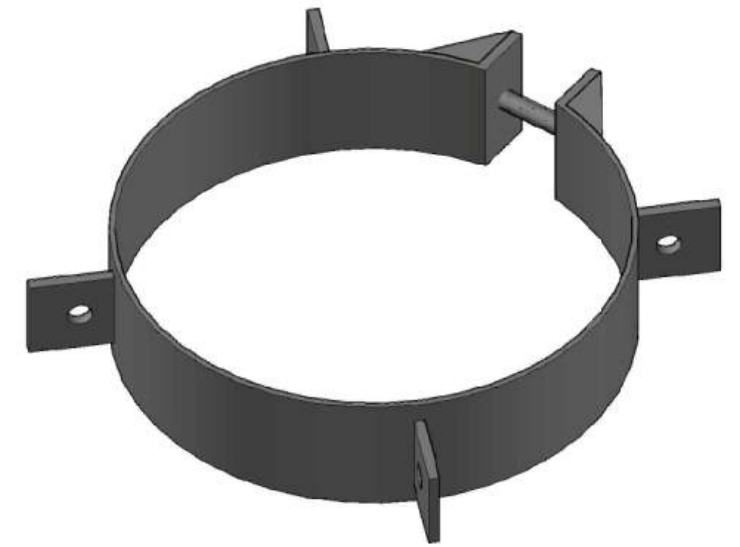
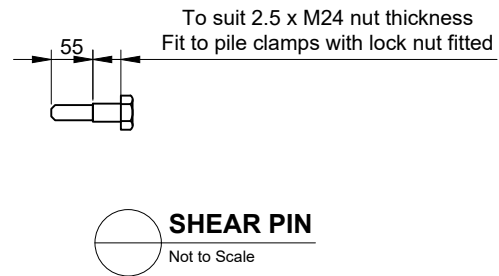
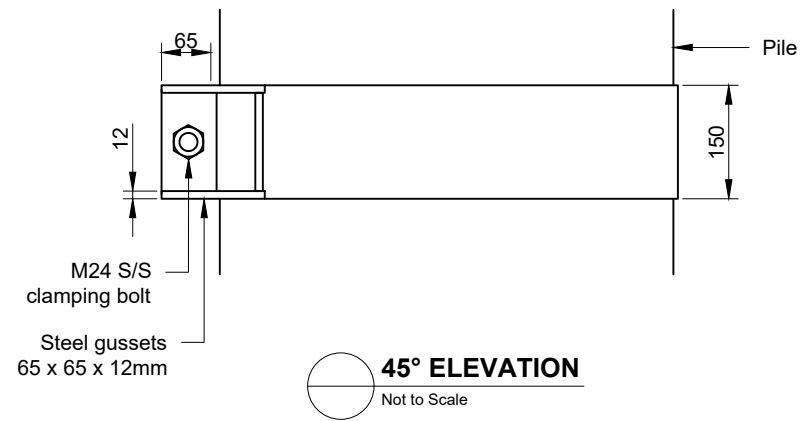
Drawing Title
Typical Pile Cap Details



Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

Project status:	Preliminary
Project:	30651
Issue/Revision	Issue/Rev
A Preliminary	D02
No.	A

Project status:	Preliminary
Project:	30651
Issue/Revision	Issue/Rev
A Preliminary	D02
No.	A

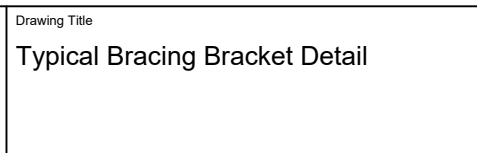


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Original size = A3

Client	Project
Auckland Transport	Sandspit Wharf

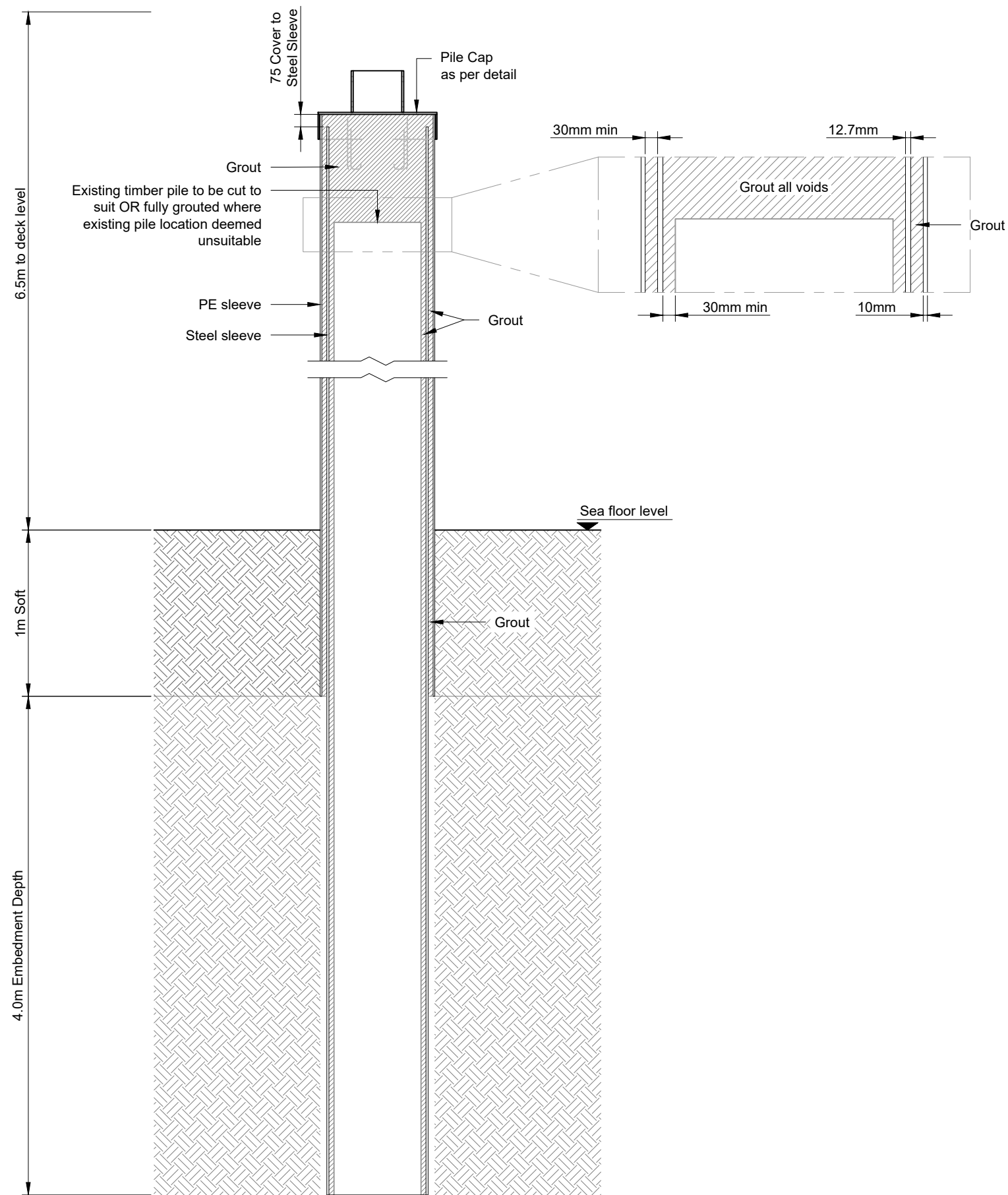
Drawing Title
Typical Bracing Bracket Detail



Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

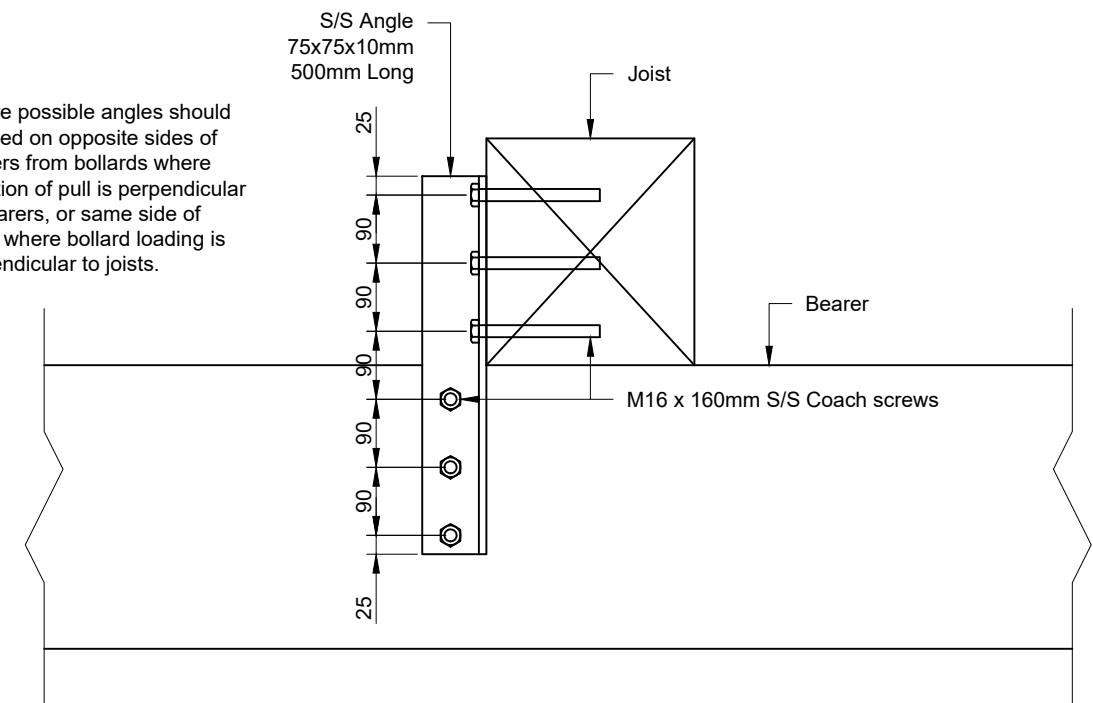
Project status:	Preliminary
Project:	30651
Drawing No:	D03
Issue/Rev:	A

Issue/Rev	No.	Issue/Revision	Aprvd	Date
A	1	Preliminary	AH	21/05/26

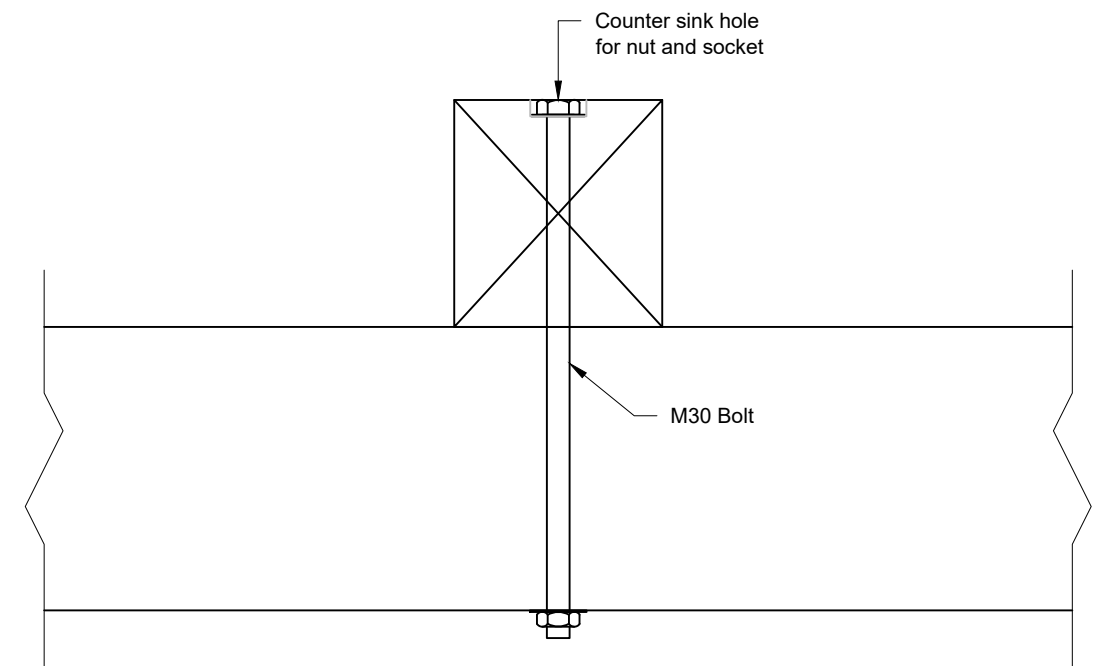


PILE INSTALLATION CROSS SECTION
Not to Scale

Note:
Where possible angles should be fitted on opposite sides of bearers from bollards where direction of pull is perpendicular to bearers, or same side of joists where bollard loading is perpendicular to joists.



OPTION A JOIST CONNECTION DETAIL
Not to Scale



OPTION B JOIST CONNECTION DETAIL
Not to Scale

Client	Project
Auckland Transport	Sandspit Wharf

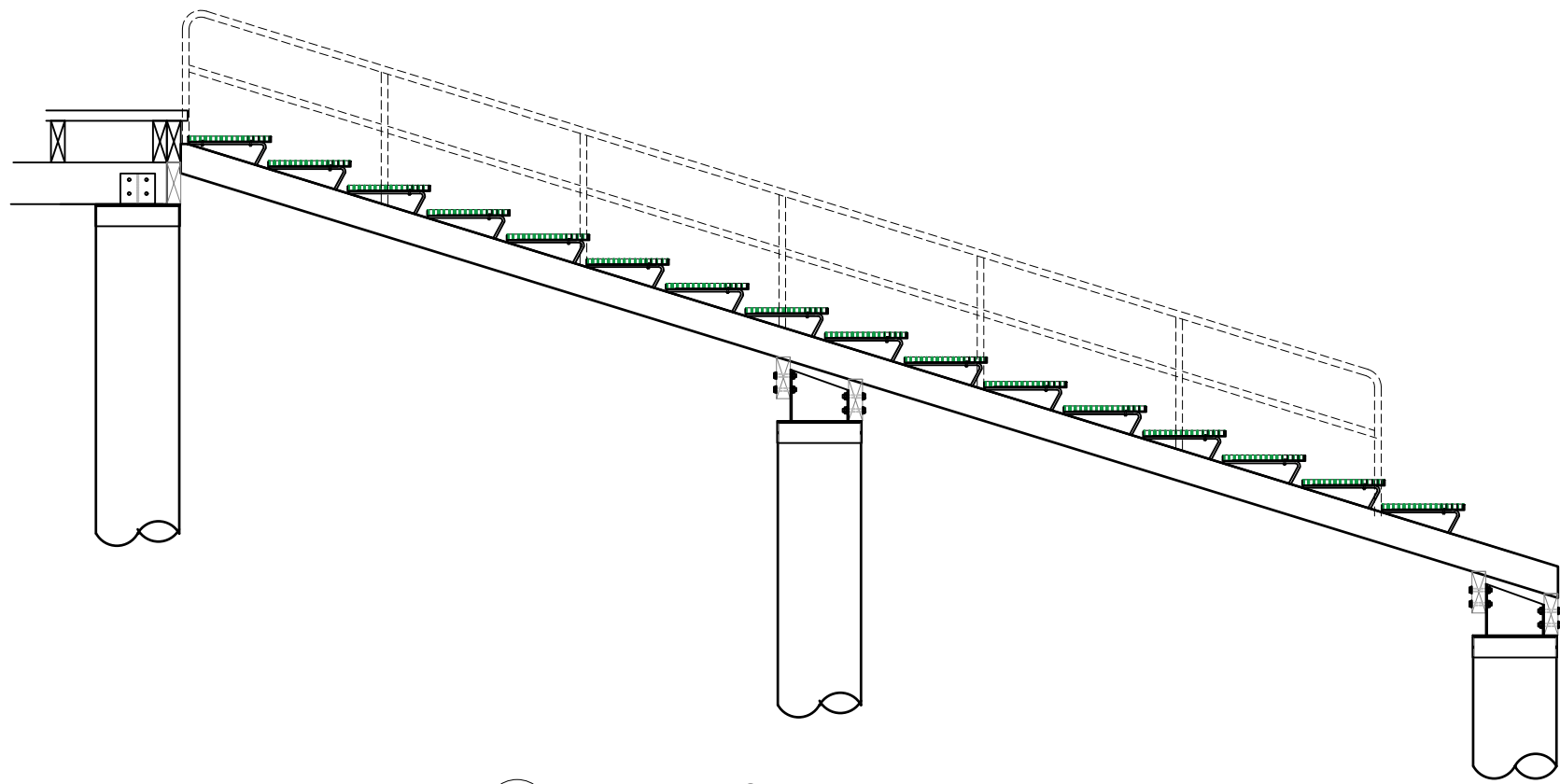
Drawing Title
Typical Pile Installation Cross Section and Joist Fixing Detail



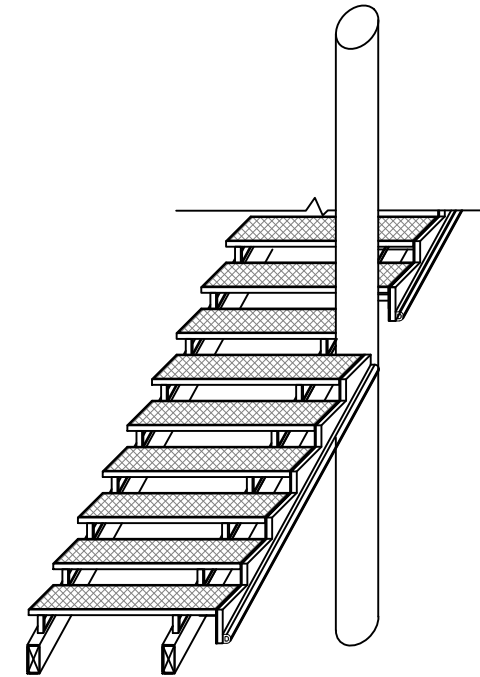
Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	N.T.S.

Project status:	Preliminary
Project:	30651
Drawing No:	D04

Issue/Rev	A
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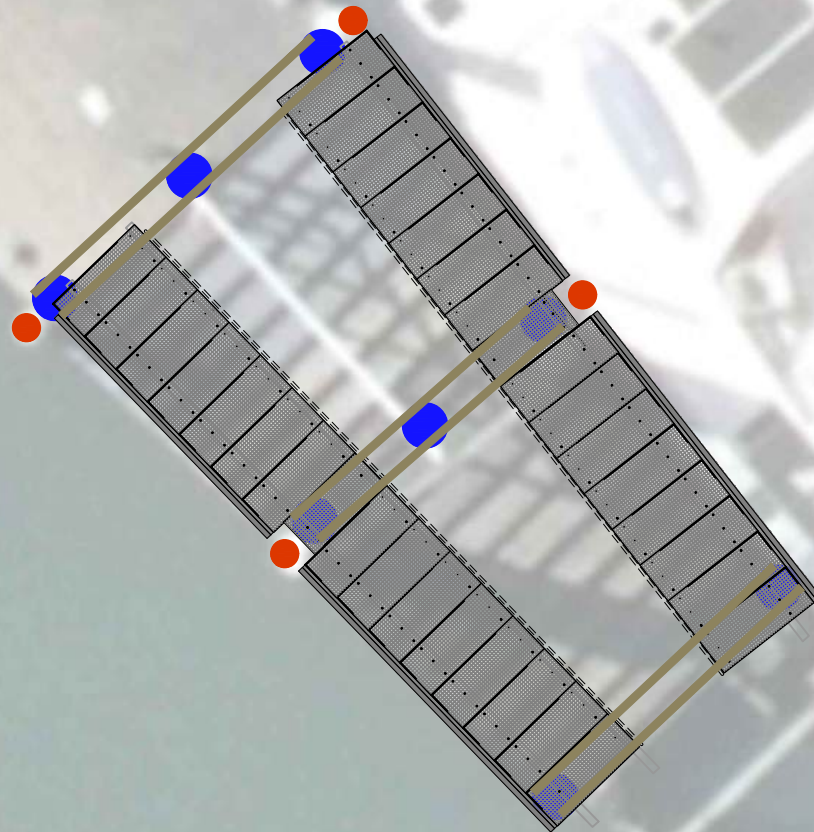
Elevation View: Stairs Replacement
Not to Scale



Typical Stair Render
Not to Scale

General Notes

1. Refer to drawings S02 and S03 for details on steps and handrails.



Plan View: Stairs Replacement
Scale 1:100



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Original size = A3

Client	Project
Auckland Transport	Sandspit Wharf

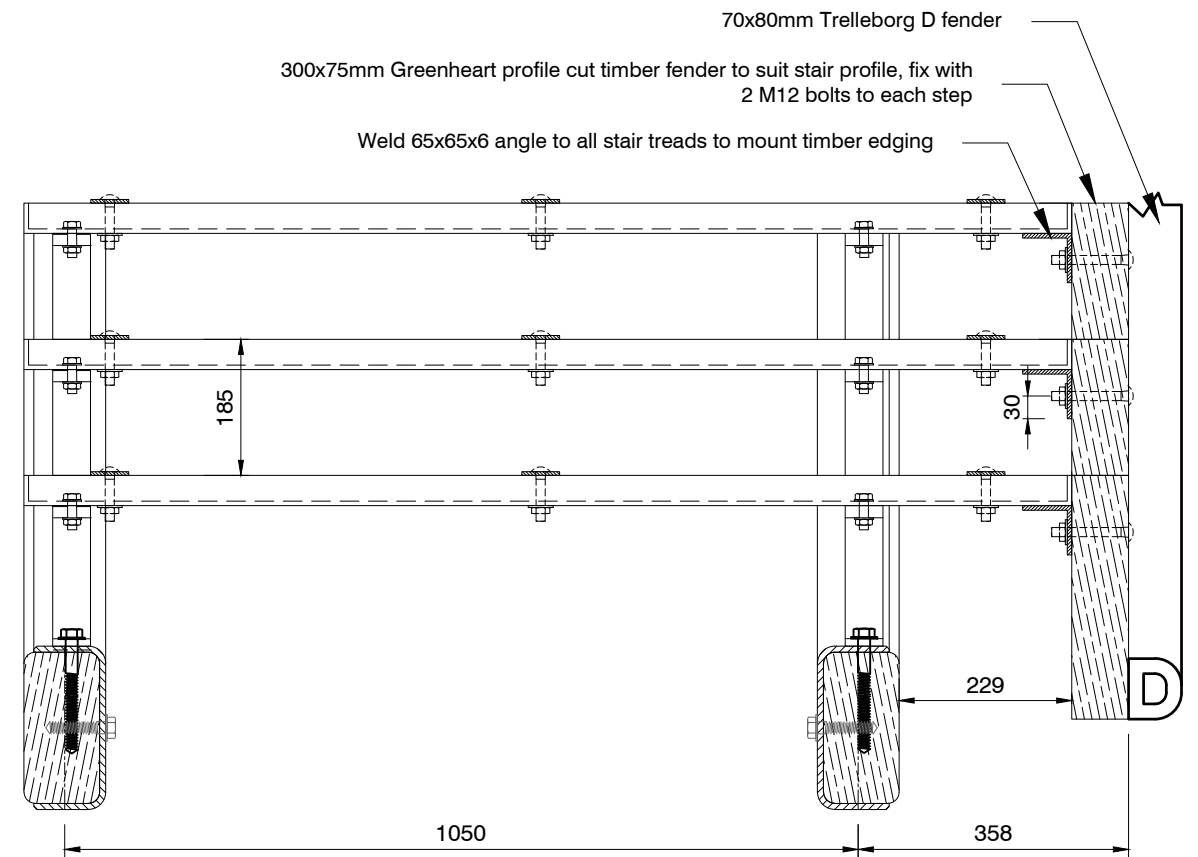
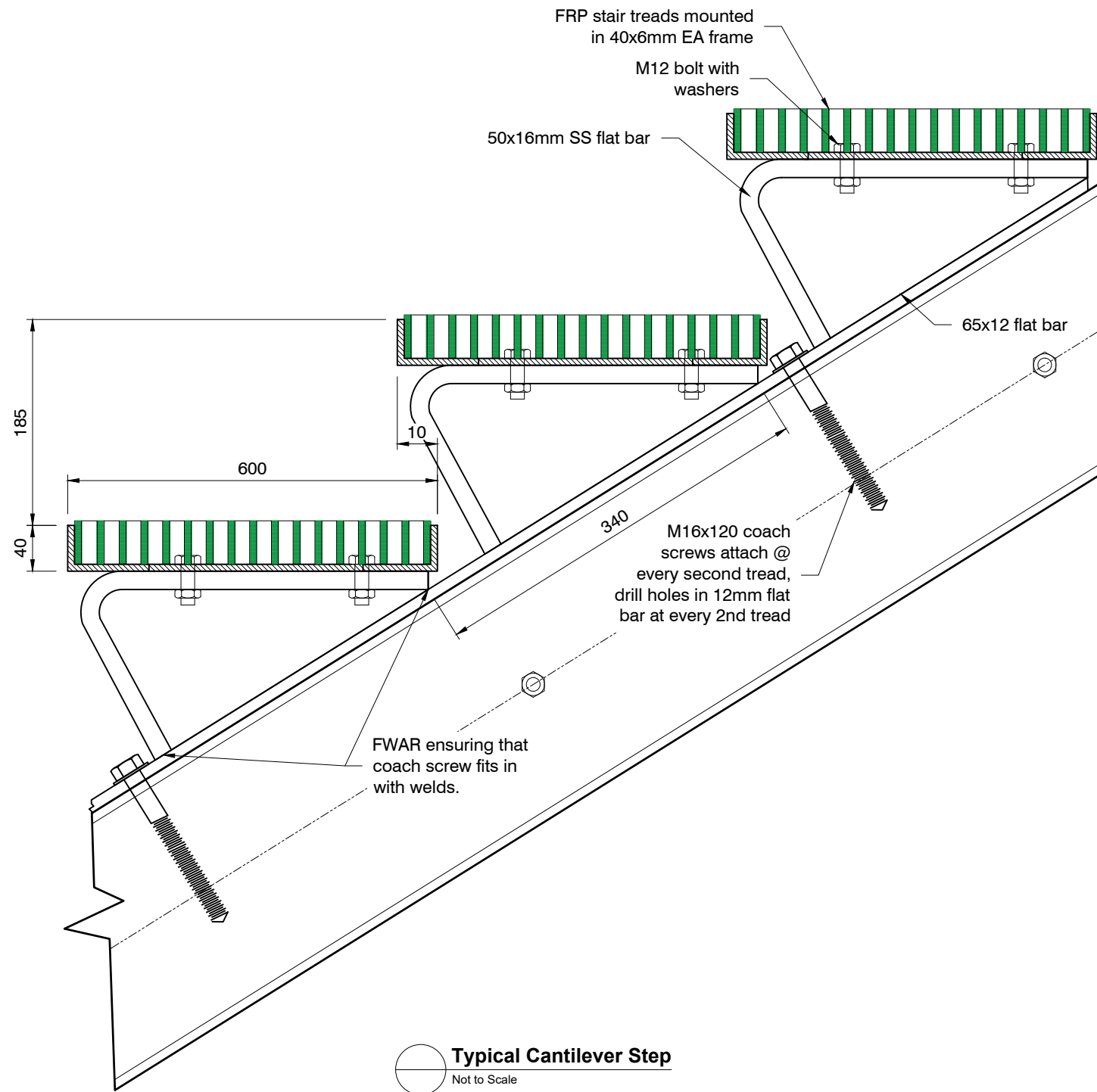
Drawing Title
Stairs Replacement Plan, Elevation and Render View

Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

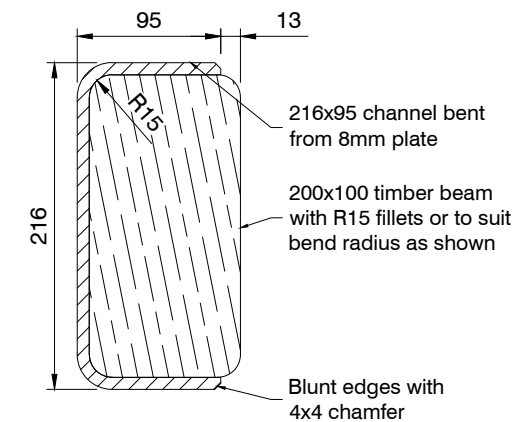


Project status:	Preliminary
Project:	30651
Drawing No:	S01
Issue/Rev:	A

Issue/Rev:	A
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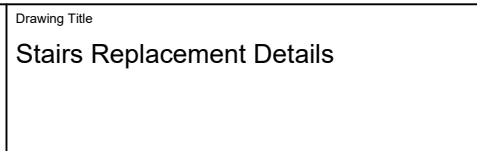
Typical Cantilever Step
Not to Scale



Stringer Section
Not to Scale

Client	Project
Auckland Transport	Sandspit Wharf

Drawing Title
Stairs Replacement Details



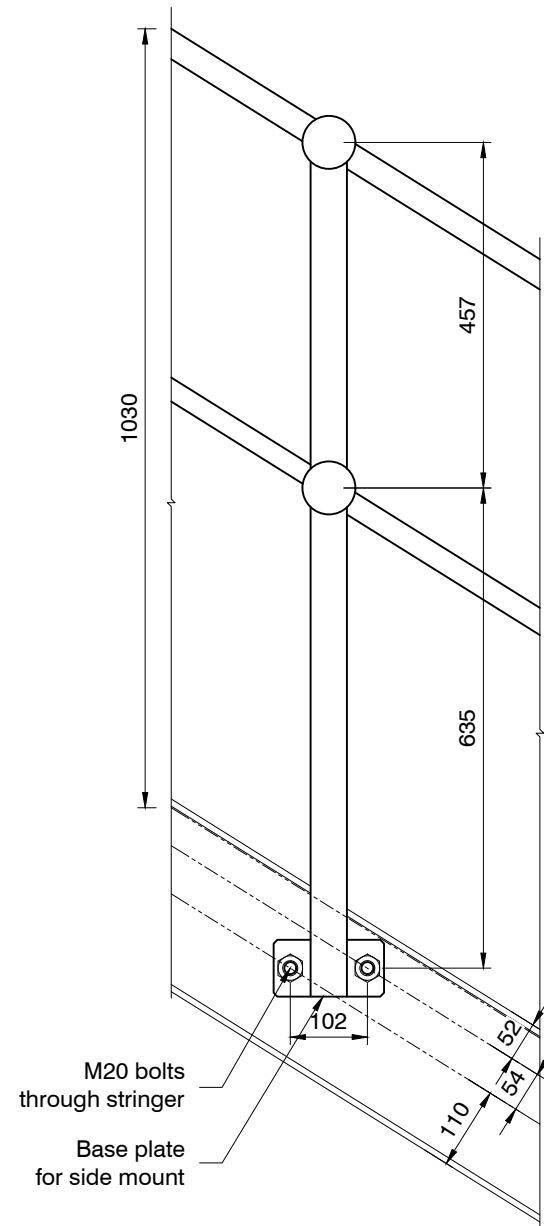
Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

Project status:	Preliminary
Project:	30651
Drawing No:	S02
Issue/Rev:	A

Issue/Rev:	A
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NOTE:

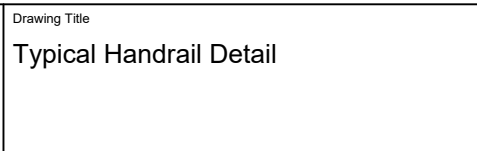
1. Handrail is standard monowills from Weforge.
2. S/S 316L handrails.
3. All details per manufacturer specifications.



Typical Handrail Detail
Not to Scale

Client	Project
Auckland Transport	Sandspit Wharf

Drawing Title
Typical Handrail Detail



Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

Project status:	Preliminary	
Project:	30651	
Drawing No:	S03	Issue/Rev:
		A

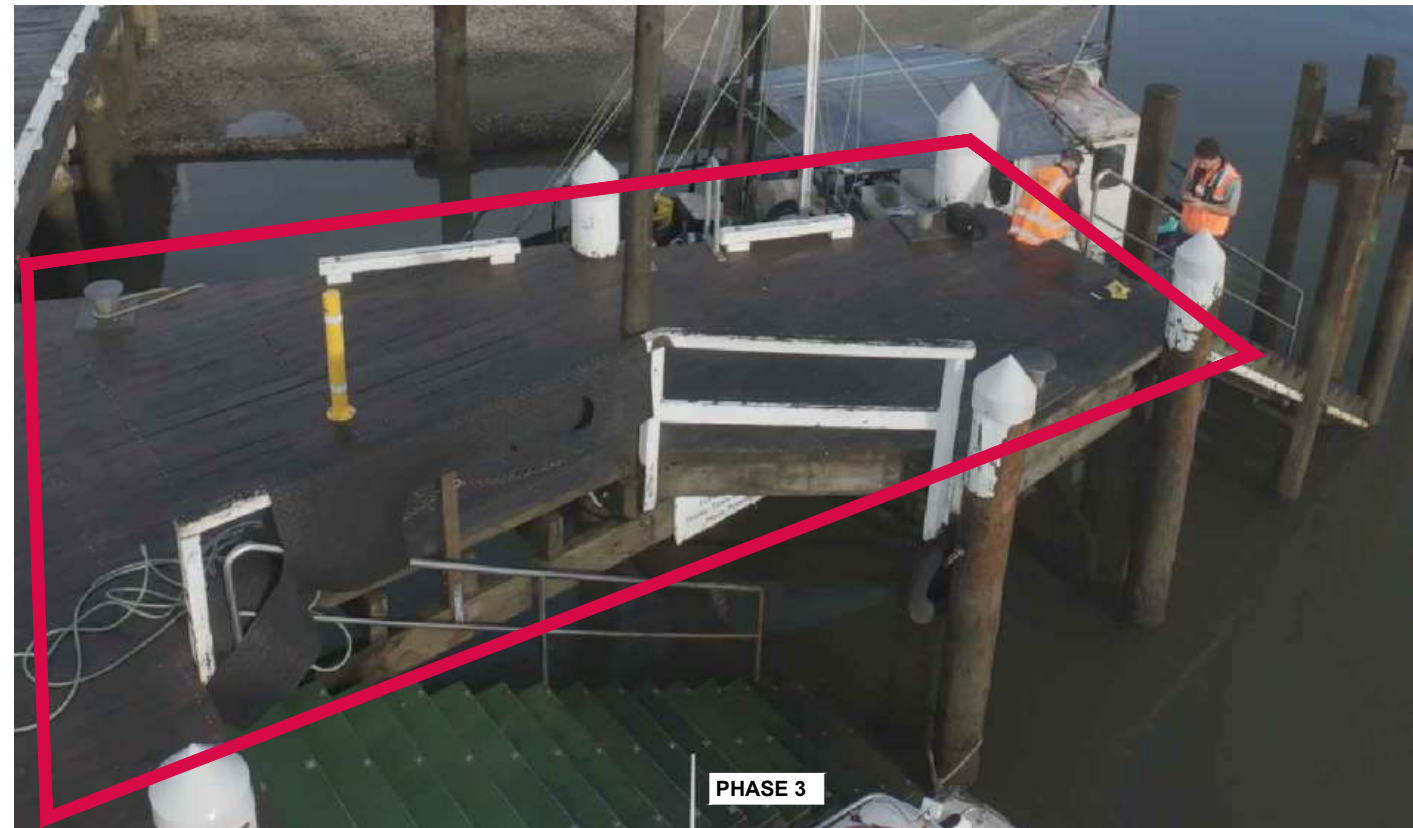
No.	Issue/Revision	Aprvd	Date
A	Preliminary	AH	21/05/26



PHASE 1



PHASE 2



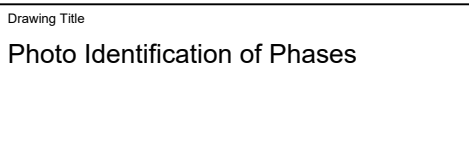
PHASE 3

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Original size = A3

Client	Project
Auckland Transport	Sandspit Wharf

Drawing Title
Photo Identification of Phases



Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

Project status:	Preliminary
Project:	30651
Drawing No:	F01
Issue/Revision	No.
Aprvd	Date
AH	21/05/26

Project status:	Preliminary
Project:	30651
Drawing No:	F01
Issue/Revision	A



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Original size = A3

Client	Project
Auckland Transport	Sandspit Wharf

Drawing Title
Overall Wharf Photo



Design:	A. Holland
Drawn:	R. Louwrens
Approved:	A. Holland
Scale A3:	Not to Scale

Project status:	Preliminary
Project:	30651
Drawing No:	F02
Issue/Rev:	A

No.	Issue/Revision	Appvd	Date
A	Preliminary	AH	21/05/26