

GENERAL NOTES.

DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY.

THE BUILDER AND / OR SUB-CONTRACTORS SHALL VERIFY ALL DIMENSIONS, LEVELS, SETBACKS AND ANY SPECIFICATIONS PRIOR TO COMMENCING ANY WORKS OR ORDERING MATERIALS AND SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BUILDING WORKS CONFORM TO THE NATIONAL CONSTRUCTION CODE OF AUSTRALIA, AUSTRALIAN STANDARDS CODES (CURRENT EDITIONS), BUILDING REGULATIONS, LOCAL BY-LAWS AND RESCODE REQUIREMENTS.

1. THESE PLANS SHALL BE READ IN CONJUNCTION WITH ANY STRUCTURAL OR CIVIL ENGINEERING COMPUTATIONS AND DRAWINGS. WHERE THE BUILDING (OTHER THAN A CLASS 10a) IS LOCATED IN A DESIGNATED TERMITE INFESTATION AREA THE BUILDING SHALL BE PROTECTED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARD.
2. WET AREAS ARE TO COMPLY WITH NCC PART 10.2 OR AS 3740. THE WALLS OF THE SHOWER AREA MUST BE WATERPROOF NOT LESS THAN 1800MM ABOVE THE FLOOR SUBSTRATE, OR IF UNENCLOSED, WITHIN 1500MM HORIZONTALLY FROM THE FIXTURE AND TO A HEIGHT OF 1800M ABOVE THE FLOOR, AND TO 140MM ABOVE BATHS, BASINS, SINKS, ETC., IF WITHIN 75MM OF A WALL.
3. ALL GLAZING IN BATHROOMS, ENSUITES, SPA ROOMS OR THE LIKE, INCLUDING SHOWER DOORS, SHOWER SCREENS, BATH ENCLOSURES, AND ASSOCIATED WINDOWS, WHERE THE LOWEST SIGHT LINE IS LESS THAN 2000MM ABOVE THE HIGHEST ABUTTING FINISHED LEVEL OF THE FLOOR, BOTTOM OF THE BATH, OR SHOWER BASE, MUST

a. FOR FRAMED PANELS, BE GLAZED WITH GRADE A SAFETY GLAZING MATERIALS IN ACCORDANCE WITH NCC TABLE 8.4.2; OR

b. FOR PANELS OR DOORS WITH ANY EDGE EXPOSED, BE TOUGHENED SAFETY GLASS ACCORDANCE WITH NCC TABLE 8.4.6 WITH A MINIMUM NOMINAL THICKNESS OF 6MM.
4. A HABITABLE ROOM MUST HAVE 5% OF NATURAL VENTILATION AND 10% OF NATURAL LIGHT.
5. RISERS- 190MM MAXIMUM HEIGHT, 115MM MINIMUM HEIGHT. GOINGS- 355MM MAXIMUM, 240MM MINIMUM. RISERS AND TREADS TO BE CONSTANT IN SIZE THROUGHOUT EACH STAIR FLIGHT. THE RATIO OF TWICE THE RISER HEIGHT PLUS THE TREAD GOINGS TO BE BETWEEN 550MM AND 700MM. MAXIMUM GAP BETWEEN RISERS TO BE LESS THAN 125MM, OR USED CLOSED RISERS. A CONTINUOUS HANDRAILING AND BARRIER TO A MINIMUM 1000MM HEIGHT MUST BE PROVIDED TO BALCONIES AND DECKS WHICH ARE 1000MM OR MORE ABOVE GROUND LEVEL. HANDRAILS TO BE A MINIMUM 865MM ABOVE LINE OF STAIR NOSING. OPENINGS IN BARRIERS (INCLUDING BALUSTRADES) TO BE LESS THAN 125MM.
6. NON SLIP FINISHES TO BE PROVIDED TO ALL STEPS, RAMPS AND LANDINGS IN ACCORDANCE WITH AS 4586.

7. LIGHTING TO COMPLY WITH NCC PART 10.5 LIGHT
8. SMOKE ALARMS IN ACCORDANCE WITH AS3786 TO BE PROVIDED AS SHOWN & HARDWIRED WITH A BATTERY BACKUP. WHERE MORE THAN ONE ALARM IS INSTALLED, THEY ARE TO BE INTERCONNECTED.

SPECIFICATION NOTES:

TIMBER FRAMING:

ALL TIMBER FRAMING THRU-OUT IS TO BE IN ACCORDANCE WITH AS 1684.2 AND ALSO READ IN CONJUNCTION WITH THE ENGINEERS DETAILS AND DRAWINGS.

WALL LINTELS & SUPPORT STUDS THRU-OUT:

FOR ALL EXTERNAL PERIMETER LOAD-BEARING LINTELS AND THEIR SUPPORTING STUDS REFER TO THE ENGINEERS DETAILS AND DRAWING AND TO GENERAL SPECIFICATIONS.

WALLING:

90 X 35 MGP10 COMMON STUD
70 X 35 F5 NOGGINGS
2 (90 X 35) MGP10 TOP PLATES EXTERNAL WALL
2 (90 X 45) MGP12 TOP PLATES- INTERNAL LOAD BEARING WALLS
2 (90 X 45) MGP10 JAMB STUDS
3 (90 X 45) MGP10 JAMB STUDS TO GIRDER TRUSS
EXTERNAL STUDS CENTRES 450MM
INTERNAL STUDS CENTRES 450MM

LININGS:

10MM PLASTERBOARD TO ALL INTERNAL WALLS.
10MM PLASTERBOARD TO CEILINGS.
SELECTED WATER RESISTANT SUB-STRATE & TILING TO WET AREAS.
ALL PLASTERBOARD SHOULD BE INSTALLED IN ACCORDANCE WITH AS2589

INTERNAL DOORS:

ALL INTERNAL DOORS ARE TO BE 2040MM HIGH UNLESS NOTED OTHERWISE ON THE PLAN.

WC DOORS:

HINGED DOORS THAT OPEN INWARDS TOWARDS THE PAN BUT THE EDGE OF THE DOOR IS A LESS THAN OF 1200MM AWAY FROM THE PAN AT ITS NEAREST POINT, MUST HAVE DEMOUNTABLE HINGES TO ALLOW EASY REMOVAL OF THE DOOR FROM OUTSIDE THE WC COMPARTMENT.

FLOORING & DECKING:

90 x 35 (MGP12) JOISTS
70 x 35 NOGGINS
MAXIMUM SPACING 400 FOR 12mm STRUCTURAL PLY

GLAZING:

ALL GLAZING SHALL CONFORM TO AS2047 AND NCC PART 8.3 AND 8.4.
WINDOW SIZES SHOWN ARE NOMINAL DEPENDING ON THE WINDOW MANUFACTURERS CLOSEST STANDARD SPECIFICATIONS.

1. ALL GLAZING IS TO BE IN ACCORDANCE WITH AS1228.
2. READ IN CONJUNCTION WITH THE WINDOW SCHEDULE
3. ALL EXTERNAL DOORS ARE TO FITTED WITH WEATHER STRIPS.
4. REFER TO WINDOW SCHEDULE FOR OPENING STYLES.

ENERGY EFFICIENCY:

THERMAL INSULATION, SHADING, VENTILATION, GLAZING, BUILDING SEALING AND SERVICES SHALL COMPLY WITH ENERGY EFFICIENCY PROVISIONS NOTED IN NCC PART 13.

VENTILATION:

MECHANICAL VENTILATION TO BE PROVIDE AND INSTALLED IN ACCORDANCE WITH A.S. 1668.2.
-SANITARY COMPARTMENT 25 L/S
-KITCHEN 40 L/S
-LAUNDRY 40 L/S

WALLING FRAME CENTRES

EXTERNAL STUDS	450MM
INTERNAL STUDS	450MM

ROOF:

ROOF CLEATS TO BE INSTALLED.



Deluxe Tiny Homes
deluxe.tinyhomes@gmail.com

Project No: CONTAINER PLANS V35

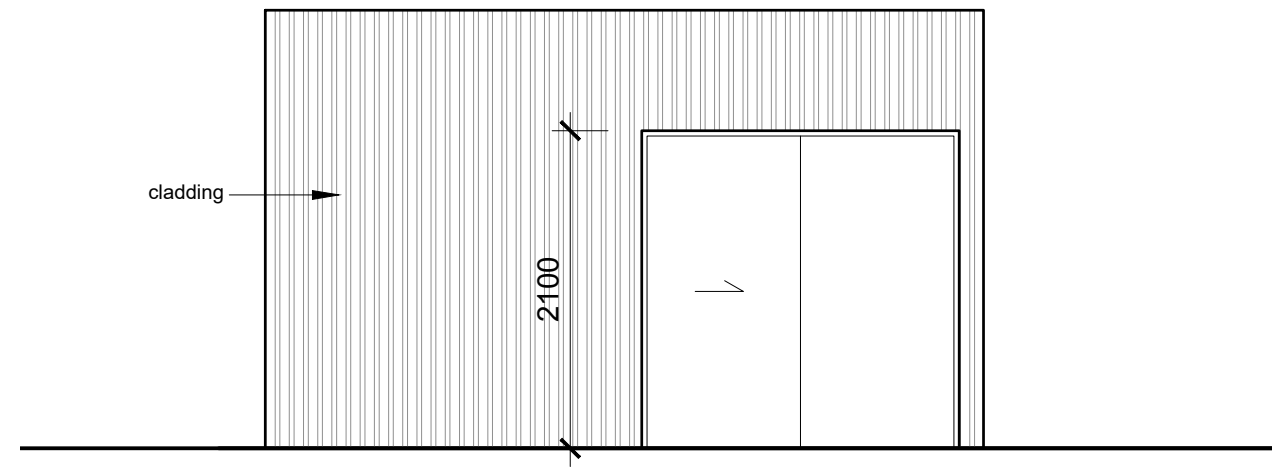
GENERAL NOTES

DATE: 02 - 02 - 2026

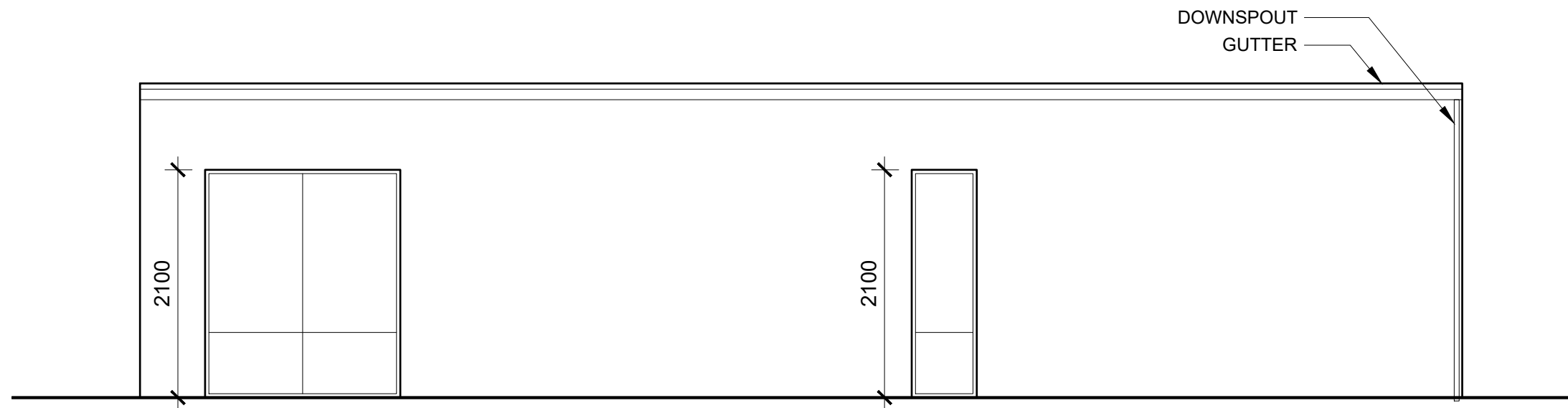
DRAWING NUMBER

0-0000

SCALE: 1:40



FRONT ELEVATION



RIGHT SIDE ELEVATION



Deluxe Tiny Homes
deluxe.tinyhomes@gmail.com

Project No: CONTAINER PLANS V35

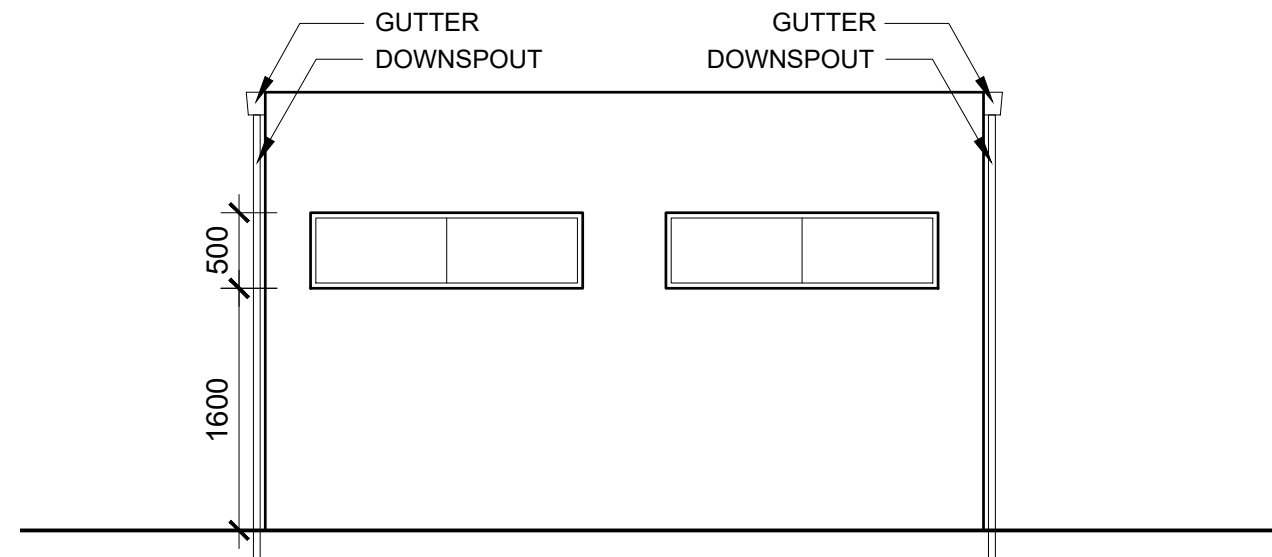
ELEVATIONS

DATE: 02 - 02 - 2026

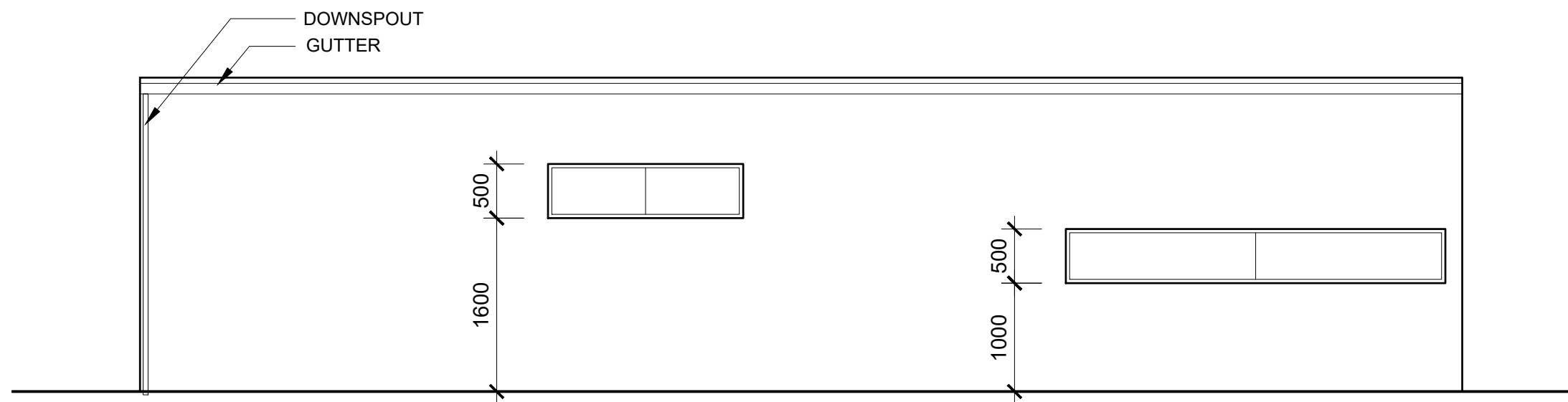
DRAWING NUMBER

0-0002

SCALE: 1:40



REAR ELEVATION



LEFT SIDE ELEVATION



Deluxe Tiny Homes
deluxe.tinyhomes@gmail.com

Project No: CONTAINER PLANS V35

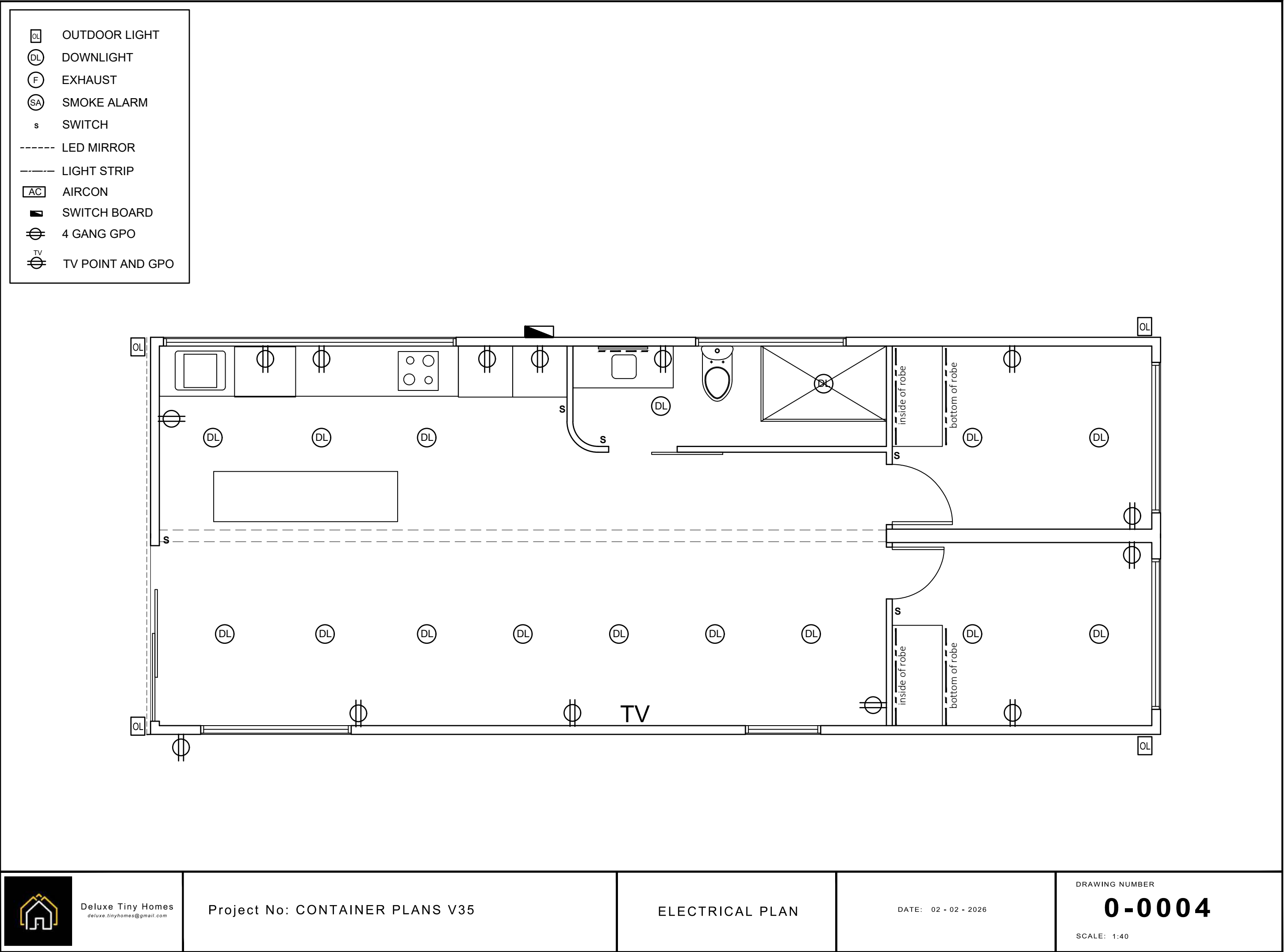
ELEVATIONS

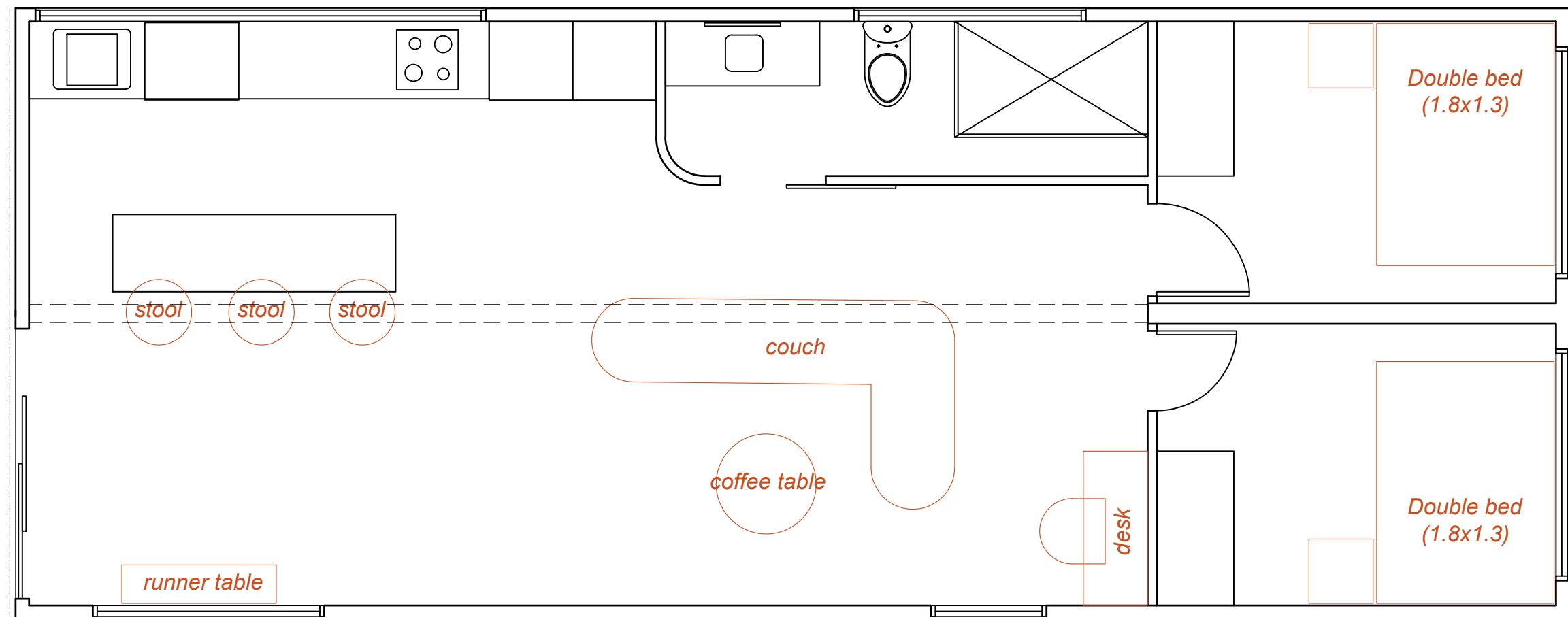
DATE: 02 - 02 - 2026

DRAWING NUMBER

0-0003

SCALE: 1:40





Deluxe Tiny Homes
deluxe.tinyhomes@gmail.com

Project No: CONTAINER PLANS V35

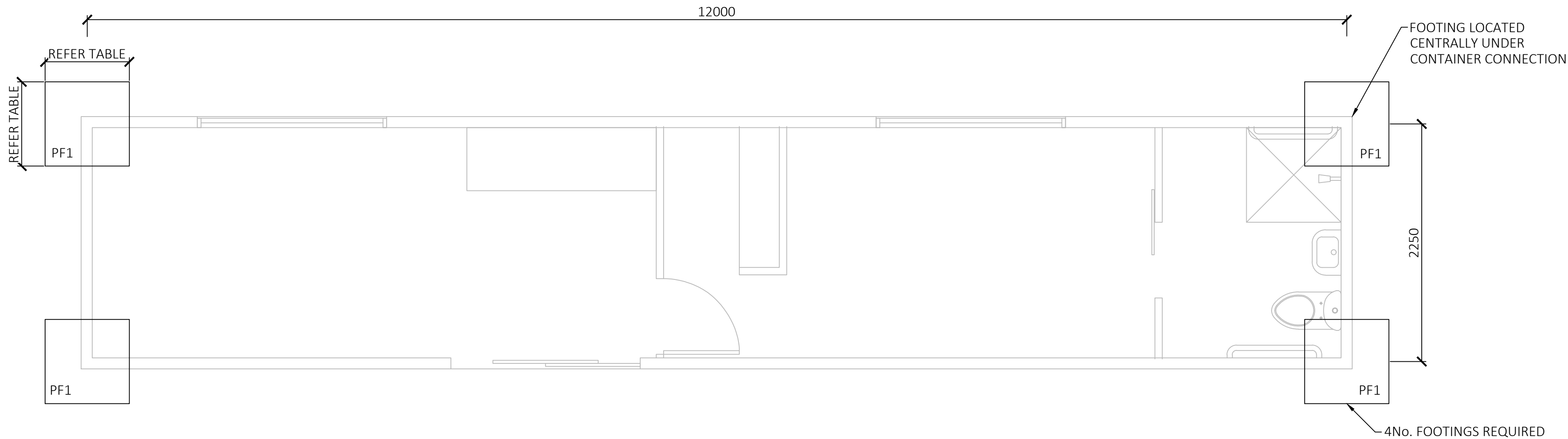
FURNITURE PLAN

DATE: 02 - 02 - 2026

DRAWING NUMBER

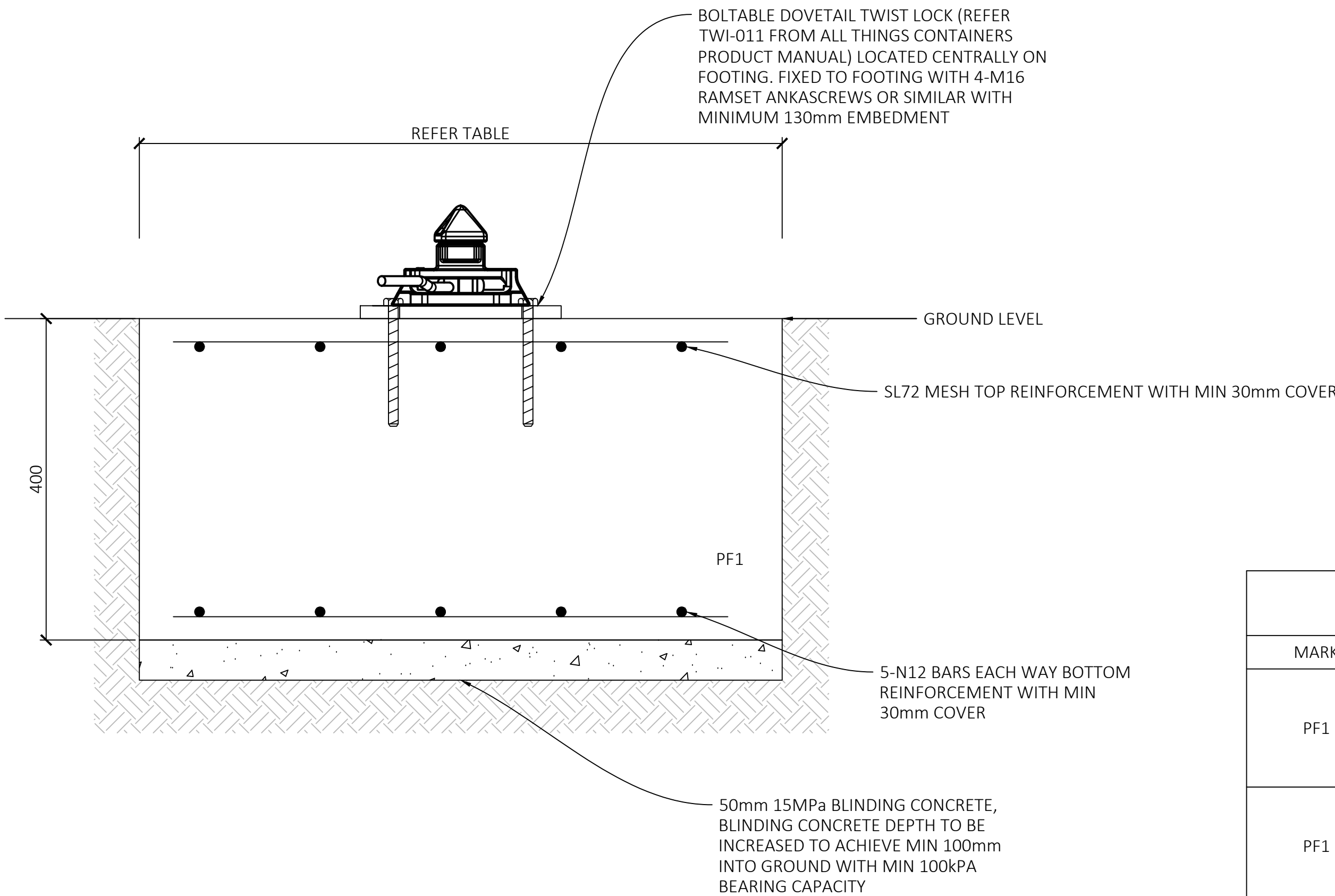
0-0005

SCALE: 1:40



FOUNDATION PLAN - 40ft CONTAINER
PLAN VIEW

SCALE 1:30



FOOTING DETAIL
SECTION VIEW

SCALE 1:5

- GENERAL NOTES:**
- DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTS/ENGINEERS DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS, AUSTRALIAN CODES.
 - DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS, CONTACT CLARKE ENGINEERING CONSULTANTS FOR ANY DIMENSIONS REQUIRED.
 - ALL MEASUREMENTS TO BE SITE MEASURED PRIOR TO FABRICATION.
 - ALL DIMENSIONS ARE IN (mm) U.N.O.
 - DO NOT OBTAIN DIMENSIONS BY SCALING FROM THESE DRAWINGS.
 - WHERE STRUCTURAL CERTIFICATION IS REQUIRED, INSPECTIONS ARE TO BE PERFORMED BY A QUALIFIED ENGINEER FROM "CLARK ENGINEERING CONSULTANTS" WITH MINIMUM 48HRS NOTICE.
 - WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA AND ALL RELEVANT CURRENT AUSTRALIAN STANDARDS.
 - DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING THAT NO PART IS OVERSTRESSED.
 - THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND PROPPING, INCLUDING ANY TEMPORARY SUPPORT FOR EXCAVATIONS.
 - THE CONTRACTOR AND ALL SUB CONTRACTORS TO CARRY OUT A RISK ASSESSMENT OR WORK SEQUENCES THAT MAY POSE A RISK TO CONSTRUCTION WORKERS ON SITE OR THE GENERAL PUBLIC. MEASURES ARE TO BE TAKEN TO AVOID OR MINIMISE THE RISKS & SITE MANAGEMENT SHALL BE ADVISED FOR INCLUSION IN THE PROJECTS HEALTH & SAFETY PLAN.

- WIND LOADING NOTES:**
- THE STRUCTURE HAS BEEN DESIGNED TO THE FOLLOWING LOADS:
- | | |
|-----------------------------|---------------|
| STRUCTURAL IMPORTANCE LEVEL | = 1 |
| DESIGN INSTALLATION LIFE | = 500 YEARS |
| V ₅₀₀ ULTIMATE | = 45 M/S |
| TERRAIN CATEGORY | = REFER TABLE |
| REGION | = A5 |

- CONCRETE NOTES:**
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS3600.
 - ALL CONCRETE IS TO BE VIBRATED DURING POURING.
 - ALL CONCRETE SHALL BE GRADE N25 MINIMUM, WITH 20MM AGGREGATE AND 80MM SLUMP.

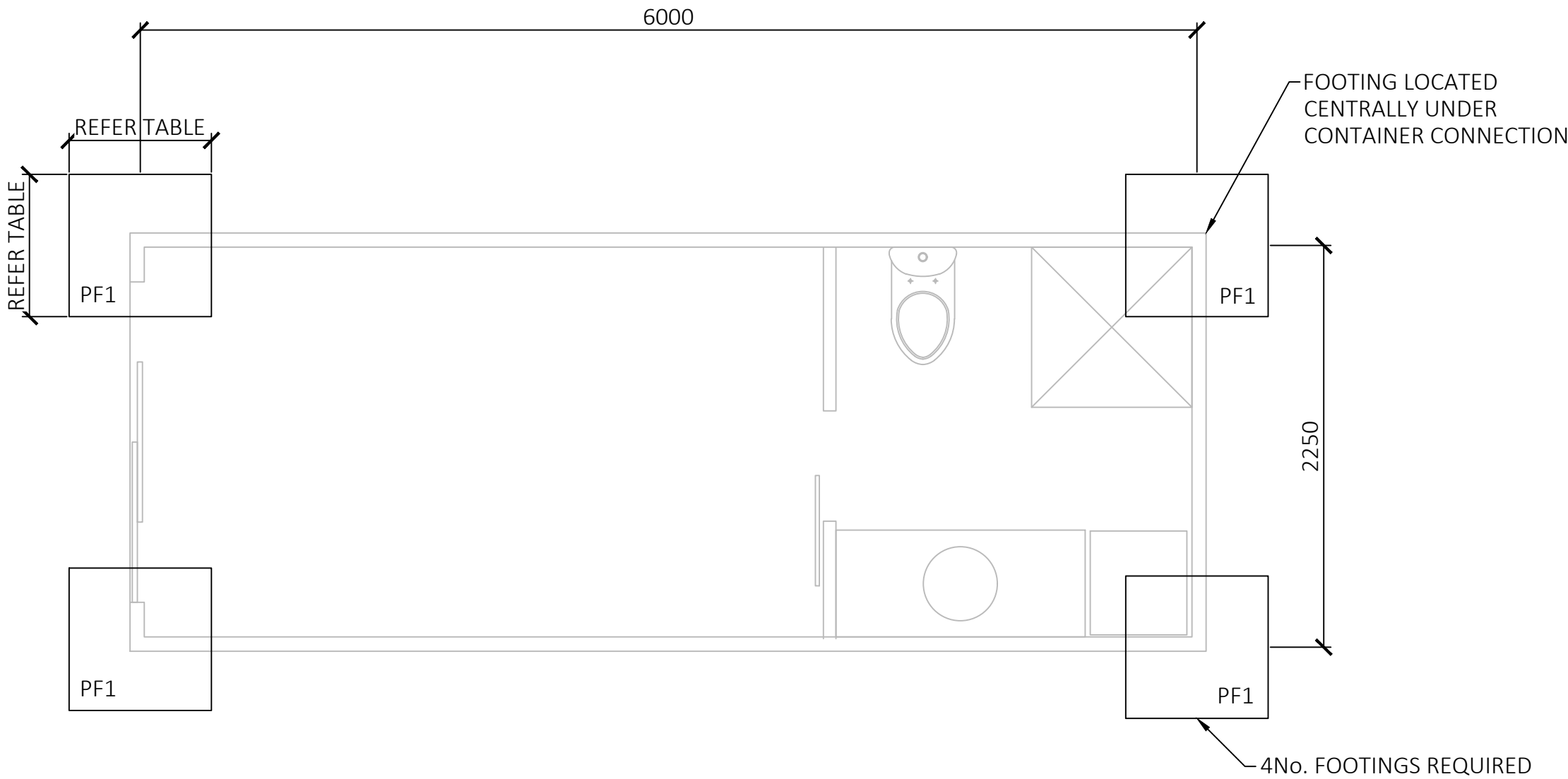
- REINFORCEMENT NOTES:**
- CONCRETE COVER TO REINFORCEMENT SHALL BE 30mm MINIMUM.
 - REINFORCEMENT IS SHOWN INDICATIVE ONLY AND NOT NECESSARILY SHOWN ACCURATELY.
 - REINFORCEMENT IS TO BE INSTALLED AS PER AS4671.
 - LAPS IN REINFORCEMENT AS PER AS3600.
 - ALL REINFORCEMENT TO BE GRADE D500N BAR MINIMUM.

- FOUNDATION NOTES:**
- FOOTINGS SHALL BE FOUNDED ON MATERIAL HAVING A SAFE ALLOWABLE BEARING CAPACITY AS NOTED IN THE GEOTECHNICAL REPORT OR MINIMUM 100kPa.
 - UNLESS NOTED OTHERWISE, WHERE NEW FOUNDATIONS ARE FOUNDED CLOSE TO AN EXISTING FOOTING, EXISTING SERVICE, EXCAVATION, BATTER, OR NEW SERVICE WHICH IS DEEPER THAN THE NEW FOOTING, THE EXCAVATION FOR THE NEW FOOTING SHALL BE DEEPENED AND BACKFILLED WITH BLINDING CONCRETE TO AVOID UNDERMINING.
 - DURING CONSTRUCTION AND DURING THE LIFE OF THE BUILDING CARE SHOULD BE TAKEN TO MAINTAIN A STABLE MOISTURE CONTENT IN THE FOUNDATIONS FOUNDED MATERIAL. OWNERS SHOULD IMPLEMENT THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT AND THE CSIRO BUILDING TECHNOLOGY FILE 'BTF 18' ENTITLED 'FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE'.
 - WHERE TREES ARE LOCATED CLOSER THAN THEIR MATURE HEIGHT FROM THE NEW WORKS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO WORK COMMENCING.
 - THE BASE OF THE ALL FOUNDATIONS SHALL BE FREE OF ALL LOOSE MATERIAL, WATER, LEAVES AND ANY OTHER ORGANIC PARTICULARS.
 - ALL FIXINGS TO FOOTINGS TO BE CONCENTRIC WITH THE SUPPORTING FOOTINGS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

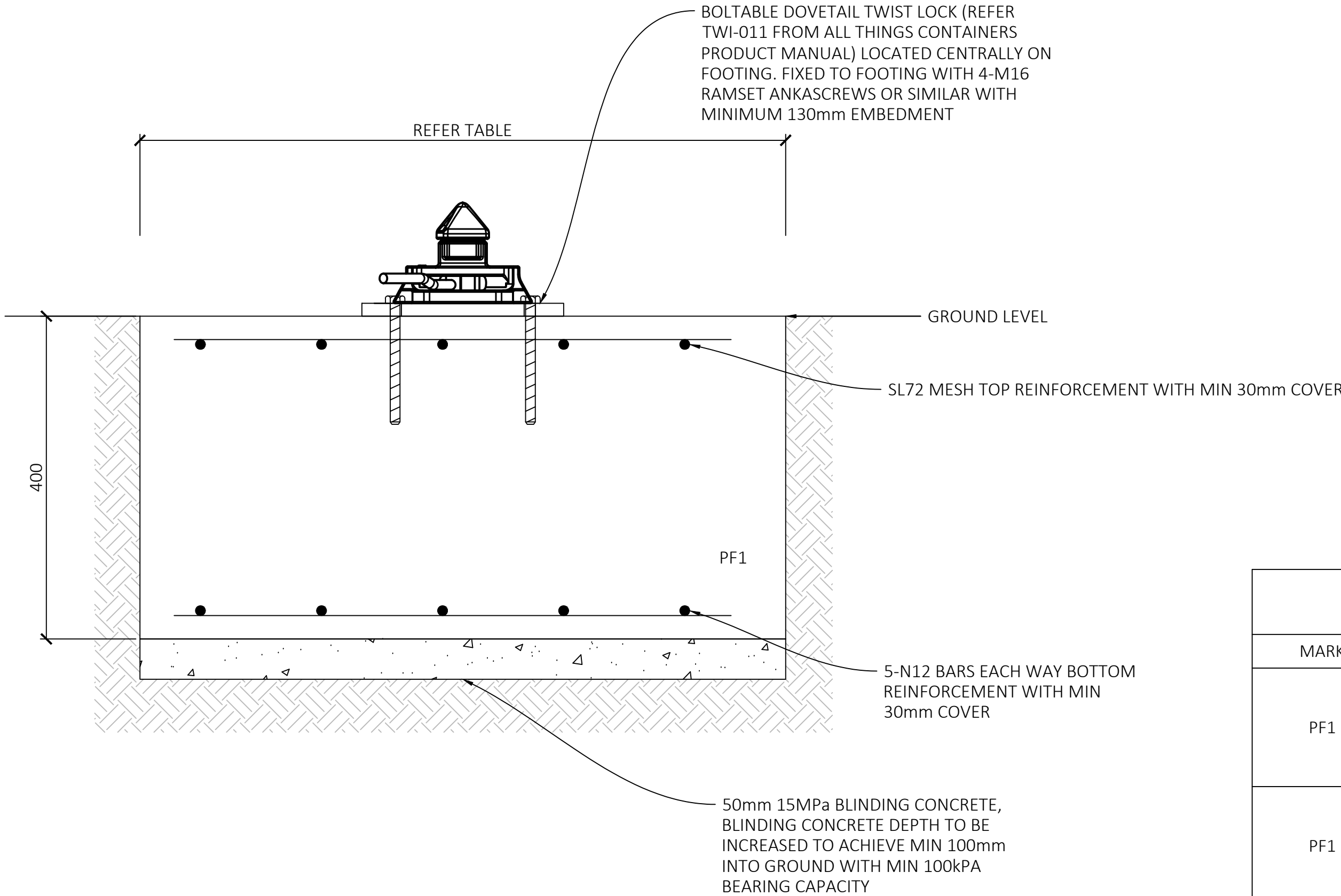
- ANCHOR NOTES:**
- ALL ANCHORS INTO CONCRETE TO BE INSTALLED IN ACCORDANCE WITH ASS216.
 - ALL ANCHORS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
 - ALL OVERSIZED ANCHOR HOLES (INCLUDING THOSE IN STEEL PLATE) TO BE FILLED COMPLETELY WITH EPOXY MORTAR.

MEMBER SCHEDULE			
MARK	TERRAIN CATEGORY	DETAIL	TERRAIN CATEGORY DEFINITION (AS1170.2 - WIND LOADS)
PF1	TC1	1000mm x 1100 x 400mm(d) PAD FOOTING, 25MPa CONCRETE. REFER TO FOOTING DETAIL FOR REINFORCEMENT	TERRAIN CATEGORY 1 (TC1) - EXPOSED OPEN TERRAIN WITH FEW OR NO OBSTRUCTIONS, TREELESS AND POORLY GRASSED AREAS OF AT LEAST 10KM WIDTH
PF1	TC2	800mm x 800mm x 400mm(d) PAD FOOTING, 25MPa CONCRETE. REFER TO FOOTING DETAIL FOR REINFORCEMENT	TERRAIN CATEGORY 2 (TC2) — OPEN TERRAIN, INCLUDING GRASSLAND, WITH WELL-SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 1.5 M TO 5 M, WITH NO MORE THAN TWO OBSTRUCTIONS PER HECTARE (E.G., FARMLAND AND CLEARED SUBDIVISIONS WITH ISOLATED TREES AND UNCUT GRASS)
PF1	TC3	600mm x 600mm x 400mm(d) PAD FOOTING, 25MPa CONCRETE. REFER TO FOOTING DETAIL FOR REINFORCEMENT	TERRAIN CATEGORY 3 (TC3) — TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 3 M TO 10 M. THE MINIMUM DENSITY OF OBSTRUCTIONS SHALL BE AT LEAST THE EQUIVALENT OF 10 HOUSE-SIZE OBSTRUCTIONS PER HECTARE (E.G., SUBURBAN HOUSING, LIGHT INDUSTRIAL ESTATES, OR DENSE FORESTS)

CLIENT		
		
ENGINEER		
CLARKE ENGINEERING CONSULTANTS CIVIL AND STRUCTURAL ENGINEERS		
REV.	DESCRIPTION	DATE
A	FOR CONSTRUCTION	9/4/25
TITLE		
FOOTING DESIGN		
PROJECT		
TYPICAL 40ft CONTAINER		
DRG NUMBER		REVISION
25030-SD-101		A
JOB NO.		DATE
25030		9/4/25
DRAWN	CHECKED	APPROVED
NC	NC	NC
STATUS		
FOR CONSTRUCTION		
Disclaimer: Clarke Engineering Consultants do not warrant the accuracy, currency or completeness of any information or data they supply or transfer by electronic means. You are responsible for verifying that any information or data supplied or transferred by electronic means matches the information or data on the corresponding version issued by Nathan Clarke.		
DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS		



FOUNDATION PLAN - 20ft CONTAINER
PLAN VIEW
SCALE 1:30



FOOTING DETAIL
SECTION VIEW
SCALE 1:5

MEMBER SCHEDULE			
MARK	TERRAIN CATEGORY	DETAIL	TERRAIN CATEGORY DEFINITION (AS1170.2 - WIND LOADS)
PF1	TC1	1000mm x 1100 x 400mm(d) PAD FOOTING, 25MPa CONCRETE. REFER TO FOOTING DETAIL FOR REINFORCEMENT	TERRAIN CATEGORY 1 (TC1) - EXPOSED OPEN TERRAIN WITH FEW OR NO OBSTRUCTIONS, TREELESS AND POORLY GRASSED AREAS OF AT LEAST 10KM WIDTH
PF1	TC2	800mm x 800mm x 400mm(d) PAD FOOTING, 25MPa CONCRETE. REFER TO FOOTING DETAIL FOR REINFORCEMENT	TERRAIN CATEGORY 2 (TC2) — OPEN TERRAIN, INCLUDING GRASSLAND, WITH WELL-SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 1.5 M TO 5 M, WITH NO MORE THAN TWO OBSTRUCTIONS PER HECTARE (E.G., FARMLAND AND CLEARED SUBDIVISIONS WITH ISOLATED TREES AND UNCUT GRASS)
PF1	TC3	600mm x 600mm x 400mm(d) PAD FOOTING, 25MPa CONCRETE. REFER TO FOOTING DETAIL FOR REINFORCEMENT	TERRAIN CATEGORY 3 (TC3) — TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 3 M TO 10 M. THE MINIMUM DENSITY OF OBSTRUCTIONS SHALL BE AT LEAST THE EQUIVALENT OF 10 HOUSE-SIZE OBSTRUCTIONS PER HECTARE (E.G., SUBURBAN HOUSING, LIGHT INDUSTRIAL ESTATES, OR DENSE FORESTS)

- GENERAL NOTES:**
- DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTS/ENGINEERS DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS, AUSTRALIAN CODES.
 - DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS, CONTACT CLARKE ENGINEERING CONSULTANTS FOR ANY DIMENSIONS REQUIRED.
 - ALL MEASUREMENTS TO BE SITE MEASURED PRIOR TO FABRICATION.
 - ALL DIMENSIONS ARE IN (mm) U.N.O.
 - DO NOT OBTAIN DIMENSIONS BY SCALING FROM THESE DRAWINGS.
 - WHERE STRUCTURAL CERTIFICATION IS REQUIRED, INSPECTIONS ARE TO BE PERFORMED BY A QUALIFIED ENGINEER FROM "CLARK ENGINEERING CONSULTANTS" WITH MINIMUM 48HRS NOTICE.
 - WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA AND ALL RELEVANT CURRENT AUSTRALIAN STANDARDS.
 - DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING THAT NO PART IS OVERSTRESSED.
 - THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND PROPPING, INCLUDING ANY TEMPORARY SUPPORT FOR EXCAVATIONS.
 - THE CONTRACTOR AND ALL SUB CONTRACTORS TO CARRY OUT A RISK ASSESSMENT OR WORK SEQUENCES THAT MAY POSE A RISK TO CONSTRUCTION WORKERS ON SITE OR THE GENERAL PUBLIC. MEASURES ARE TO BE TAKEN TO AVOID OR MINIMISE THE RISKS & SITE MANAGEMENT SHALL BE ADVISED FOR INCLUSION IN THE PROJECTS HEALTH & SAFETY PLAN.

- WIND LOADING NOTES:**
THE STRUCTURE HAS BEEN DESIGNED TO THE FOLLOWING LOADS:
- | | |
|-----------------------------|---------------|
| STRUCTURAL IMPORTANCE LEVEL | = 1 |
| DESIGN INSTALLATION LIFE | = 500 YEARS |
| V ₅₀₀ ULTIMATE | = 45 M/S |
| TERRAIN CATEGORY | = REFER TABLE |
| REGION | = A5 |

- CONCRETE NOTES:**
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS3600.
 - ALL CONCRETE IS TO BE VIBRATED DURING POURING.
 - ALL CONCRETE SHALL BE GRADE N25 MINIMUM, WITH 20MM AGGREGATE AND 80MM SLUMP.

- REINFORCEMENT NOTES:**
- CONCRETE COVER TO REINFORCEMENT SHALL BE 30mm MINIMUM.
 - REINFORCEMENT IS SHOWN INDICATIVE ONLY AND NOT NECESSARILY SHOWN ACCURATELY.
 - REINFORCEMENT IS TO BE INSTALLED AS PER AS4671.
 - LAPS IN REINFORCEMENT AS PER AS3600.
 - ALL REINFORCEMENT TO BE GRADE D500N BAR MINIMUM.

- FOUNDATION NOTES:**
- FOOTINGS SHALL BE FOUNDED ON MATERIAL HAVING A SAFE ALLOWABLE BEARING CAPACITY AS NOTED IN THE GEOTECHNICAL REPORT OR MINIMUM 100kPa.
 - UNLESS NOTED OTHERWISE, WHERE NEW FOUNDATIONS ARE FOUNDED CLOSE TO AN EXISTING FOOTING, EXISTING SERVICE, EXCAVATION, BATTER, OR NEW SERVICE WHICH IS DEEPER THAN THE NEW FOOTING, THE EXCAVATION FOR THE NEW FOOTING SHALL BE DEEPENED AND BACKFILLED WITH BLINDING CONCRETE TO AVOID UNDERMINING.
 - DURING CONSTRUCTION AND DURING THE LIFE OF THE BUILDING CARE SHOULD BE TAKEN TO MAINTAIN A STABLE MOISTURE CONTENT IN THE FOUNDATIONS FOUNDED MATERIAL. OWNERS SHOULD IMPLEMENT THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT AND THE CSIRO BUILDING TECHNOLOGY FILE 'BTF 18' ENTITLED 'FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE'.
 - WHERE TREES ARE LOCATED CLOSER THAN THEIR MATURE HEIGHT FROM THE NEW WORKS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO WORK COMMENCING.
 - THE BASE OF THE ALL FOUNDATIONS SHALL BE FREE OF ALL LOOSE MATERIAL, WATER, LEAVES AND ANY OTHER ORGANIC PARTICULARS.
 - ALL FIXINGS TO FOOTINGS TO BE CONCENTRIC WITH THE SUPPORTING FOOTINGS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

- ANCHOR NOTES:**
- ALL ANCHORS INTO CONCRETE TO BE INSTALLED IN ACCORDANCE WITH ASS216.
 - ALL ANCHORS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
 - ALL OVERSIZED ANCHOR HOLES (INCLUDING THOSE IN STEEL PLATE) TO BE FILLED COMPLETELY WITH EPOXY MORTAR.

CLIENT



ENGINEER



REV.	DESCRIPTION	DATE
A	FOR CONSTRUCTION	9/4/25

TITLE

FOOTING DESIGN

PROJECT

TYPICAL 20ft CONTAINER

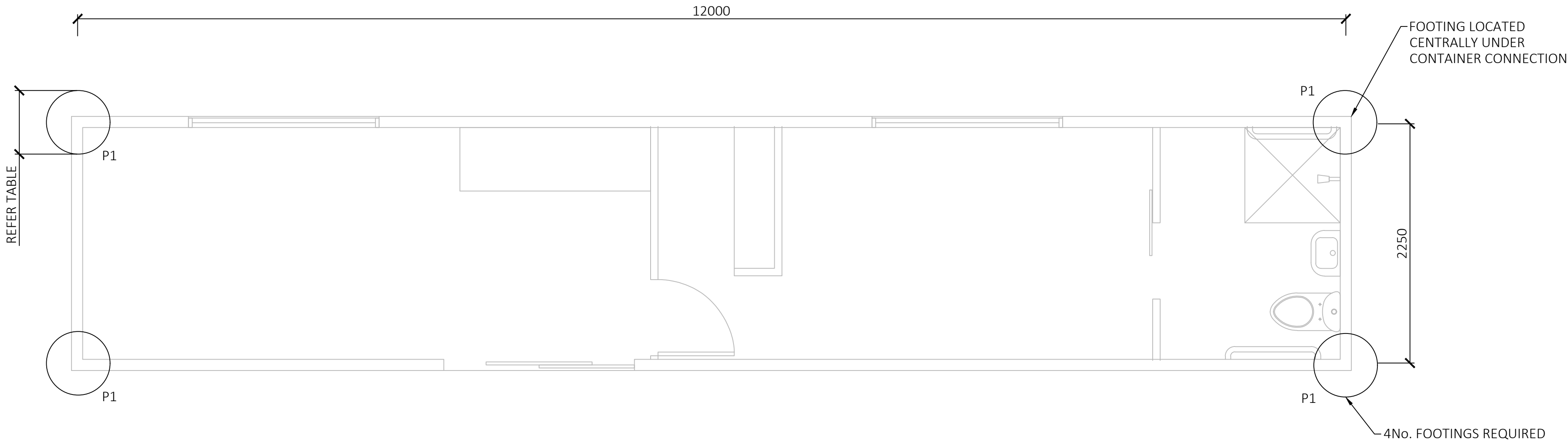
DRG NUMBER	REVISION	DATE	
25030-SD-102	A	9/4/25	
JOB NO.	DRAWN	CHECKED	APPROVED
25030	NC	NC	NC

STATUS

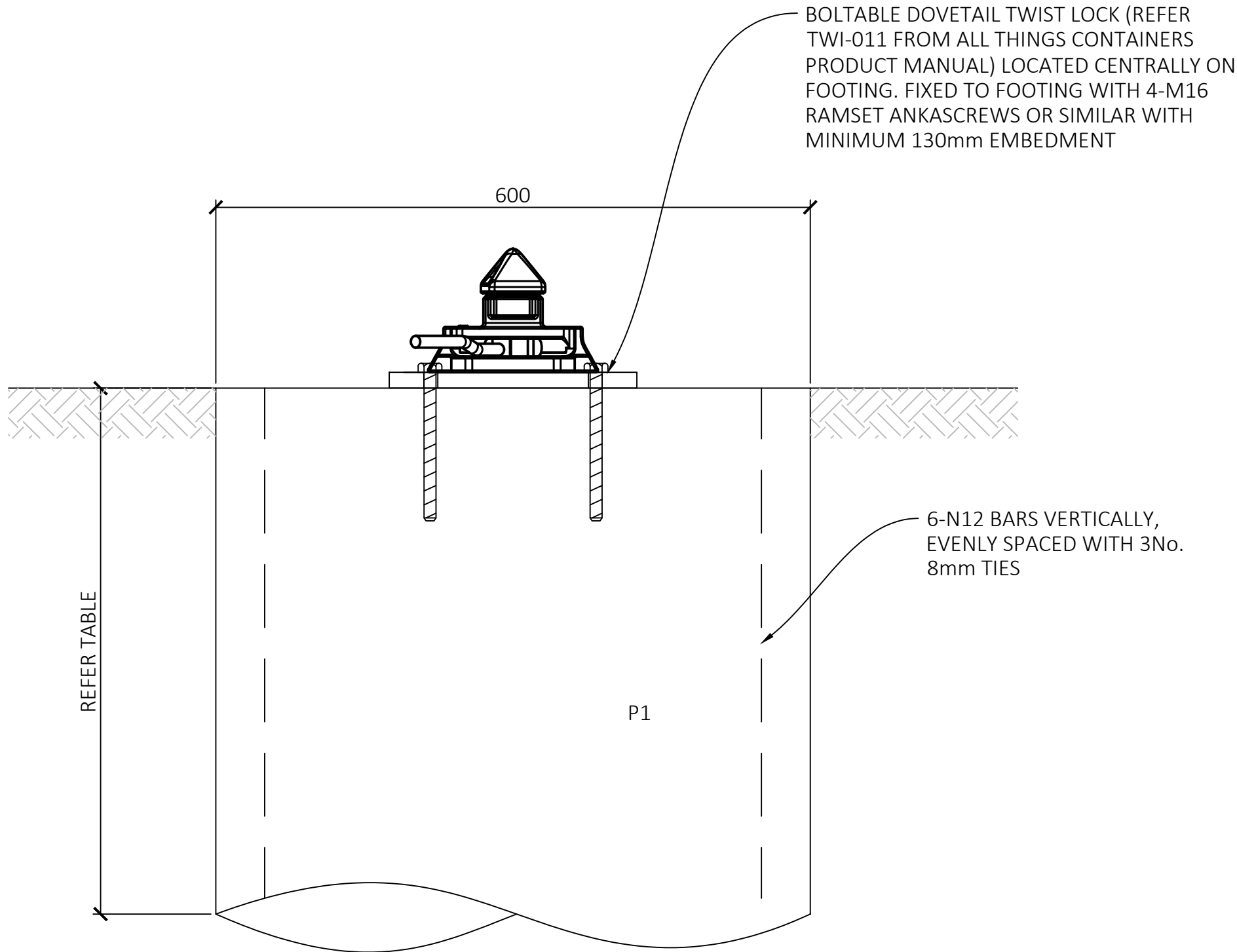
FOR CONSTRUCTION

Disclaimer: Clarke Engineering Consultants do not warrant the accuracy, currency or completeness of any information or data they supply or transfer by electronic means. You are responsible for verifying that any information or data supplied or transferred by electronic means matches the information or data on the corresponding version issued by Nathan Clarke.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS



FOUNDATION PLAN - 40ft CONTAINER
PLAN VIEW
SCALE 1:30



FOOTING DETAIL
SECTION VIEW
SCALE 1:5

MEMBER SCHEDULE			
MARK	TERRAIN CATEGORY	DETAIL	TERRAIN CATEGORY DEFINITION (AS1170.2 - WIND LOADS)
P1	TC1	600mm DIAMETER CONCRETE PILE, 25MPa, 1100mm DEEP WITH MIN 200mm INTO UNDERLYING 100kPa GROUND. 6-N12 BARS EVENLY SPACED WITH 3No. 8mm TIES	TERRAIN CATEGORY 1 (TC1) - EXPOSED OPEN TERRAIN WITH FEW OR NO OBSTRUCTIONS, TREELESS AND POORLY GRASSED AREAS OF AT LEAST 10KM WIDTH
P1	TC2	600mm DIAMETER CONCRETE PILE, 25MPa, 900mm DEEP WITH MIN 200mm INTO UNDERLYING 100kPa GROUND. 6-N12 BARS EVENLY SPACED WITH 3No. 8mm TIES	TERRAIN CATEGORY 2 (TC2) — OPEN TERRAIN, INCLUDING GRASSLAND, WITH WELL-SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 1.5 M TO 5 M, WITH NO MORE THAN TWO OBSTRUCTIONS PER HECTARE (E.G., FARMLAND AND CLEARED SUBDIVISIONS WITH ISOLATED TREES AND UNCUT GRASS)
P1	TC3	600mm DIAMETER CONCRETE PILE, 25MPa, 700mm DEEP WITH MIN 200mm INTO UNDERLYING 100kPa GROUND. 6-N12 BARS EVENLY SPACED WITH 3No. 8mm TIES	TERRAIN CATEGORY 3 (TC3) — TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 3 M TO 10 M. THE MINIMUM DENSITY OF OBSTRUCTIONS SHALL BE AT LEAST THE EQUIVALENT OF 10 HOUSE-SIZE OBSTRUCTIONS PER HECTARE (E.G., SUBURBAN HOUSING, LIGHT INDUSTRIAL ESTATES, OR DENSE FORESTS)

- GENERAL NOTES:**
- DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTS/ENGINEERS DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS, AUSTRALIAN CODES.
 - DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS, CONTACT CLARKE ENGINEERING CONSULTANTS FOR ANY DIMENSIONS REQUIRED.
 - ALL MEASUREMENTS TO BE SITE MEASURED PRIOR TO FABRICATION.
 - ALL DIMENSIONS ARE IN (mm) U.N.O.
 - DO NOT OBTAIN DIMENSIONS BY SCALING FROM THESE DRAWINGS.
 - WHERE STRUCTURAL CERTIFICATION IS REQUIRED, INSPECTIONS ARE TO BE PERFORMED BY A QUALIFIED ENGINEER FROM "CLARK ENGINEERING CONSULTANTS" WITH MINIMUM 48HRS NOTICE.
 - WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA AND ALL RELEVANT CURRENT AUSTRALIAN STANDARDS.
 - DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING THAT NO PART IS OVERSTRESSED.
 - THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND PROPPING, INCLUDING ANY TEMPORARY SUPPORT FOR EXCAVATIONS.
 - THE CONTRACTOR AND ALL SUB CONTRACTORS TO CARRY OUT A RISK ASSESSMENT OR WORK SEQUENCES THAT MAY POSE A RISK TO CONSTRUCTION WORKERS ON SITE OR THE GENERAL PUBLIC. MEASURES ARE TO BE TAKEN TO AVOID OR MINIMISE THE RISKS & SITE MANAGEMENT SHALL BE ADVISED FOR INCLUSION IN THE PROJECTS HEALTH & SAFETY PLAN.

- WIND LOADING NOTES:**
THE STRUCTURE HAS BEEN DESIGNED TO THE FOLLOWING LOADS:
- | | |
|-----------------------------|---------------|
| STRUCTURAL IMPORTANCE LEVEL | = 1 |
| DESIGN INSTALLATION LIFE | = 500 YEARS |
| V ₅₀₀ ULTIMATE | = 45 M/S |
| TERRAIN CATEGORY | = REFER TABLE |
| REGION | = A5 |

- CONCRETE NOTES:**
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS3600.
 - ALL CONCRETE IS TO BE VIBRATED DURING POURING.
 - ALL CONCRETE SHALL BE GRADE N25 MINIMUM, WITH 20MM AGGREGATE AND 80MM SLUMP.

- REINFORCEMENT NOTES:**
- CONCRETE COVER TO REINFORCEMENT SHALL BE 30mm MINIMUM.
 - REINFORCEMENT IS SHOWN INDICATIVE ONLY AND NOT NECESSARILY SHOWN ACCURATELY.
 - REINFORCEMENT IS TO BE INSTALLED AS PER AS4671.
 - LAPS IN REINFORCEMENT AS PER AS3600.
 - ALL REINFORCEMENT TO BE GRADE D500N BAR MINIMUM.

- FOUNDATION NOTES:**
- FOOTINGS SHALL BE FOUNDED ON MATERIAL HAVING A SAFE ALLOWABLE BEARING CAPACITY AS NOTED IN THE GEOTECHNICAL REPORT OR MINIMUM 100kPa.
 - UNLESS NOTED OTHERWISE, WHERE NEW FOUNDATIONS ARE FOUNDED CLOSE TO AN EXISTING FOOTING, EXISTING SERVICE, EXCAVATION, BATTER, OR NEW SERVICE WHICH IS DEEPER THAN THE NEW FOOTING, THE EXCAVATION FOR THE NEW FOOTING SHALL BE DEEPEMED AND BACKFILLED WITH BLINDING CONCRETE TO AVOID UNDERMINING.
 - DURING CONSTRUCTION AND DURING THE LIFE OF THE BUILDING CARE SHOULD BE TAKEN TO MAINTAIN A STABLE MOISTURE CONTENT IN THE FOUNDATIONS FOUNDED MATERIAL. OWNERS SHOULD IMPLEMENT THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT AND THE CSIRO BUILDING TECHNOLOGY FILE 'BTF 18' ENTITLED 'FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE'.
 - WHERE TREES ARE LOCATED CLOSER THAN THEIR MATURE HEIGHT FROM THE NEW WORKS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO WORK COMMENCING.
 - THE BASE OF THE ALL FOUNDATIONS SHALL BE FREE OF ALL LOOSE MATERIAL, WATER, LEAVES AND ANY OTHER ORGANIC PARTICULARS.
 - ALL FIXINGS TO FOOTINGS TO BE CONCENTRIC WITH THE SUPPORTING FOOTINGS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

- ANCHOR NOTES:**
- ALL ANCHORS INTO CONCRETE TO BE INSTALLED IN ACCORDANCE WITH AS5216.
 - ALL ANCHORS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
 - ALL OVERSIZED ANCHOR HOLES (INCLUDING THOSE IN STEEL PLATE) TO BE FILLED COMPLETELY WITH EPOXY MORTAR.

CLIENT

ENGINEER

CLARKE ENGINEERING CONSULTANTS

CIVIL AND STRUCTURAL ENGINEERS

REV.	DESCRIPTION	DATE
A	FOR CONSTRUCTION	9/4/25

TITLE

FOOTING DESIGN

PROJECT

TYPICAL 40ft CONTAINER

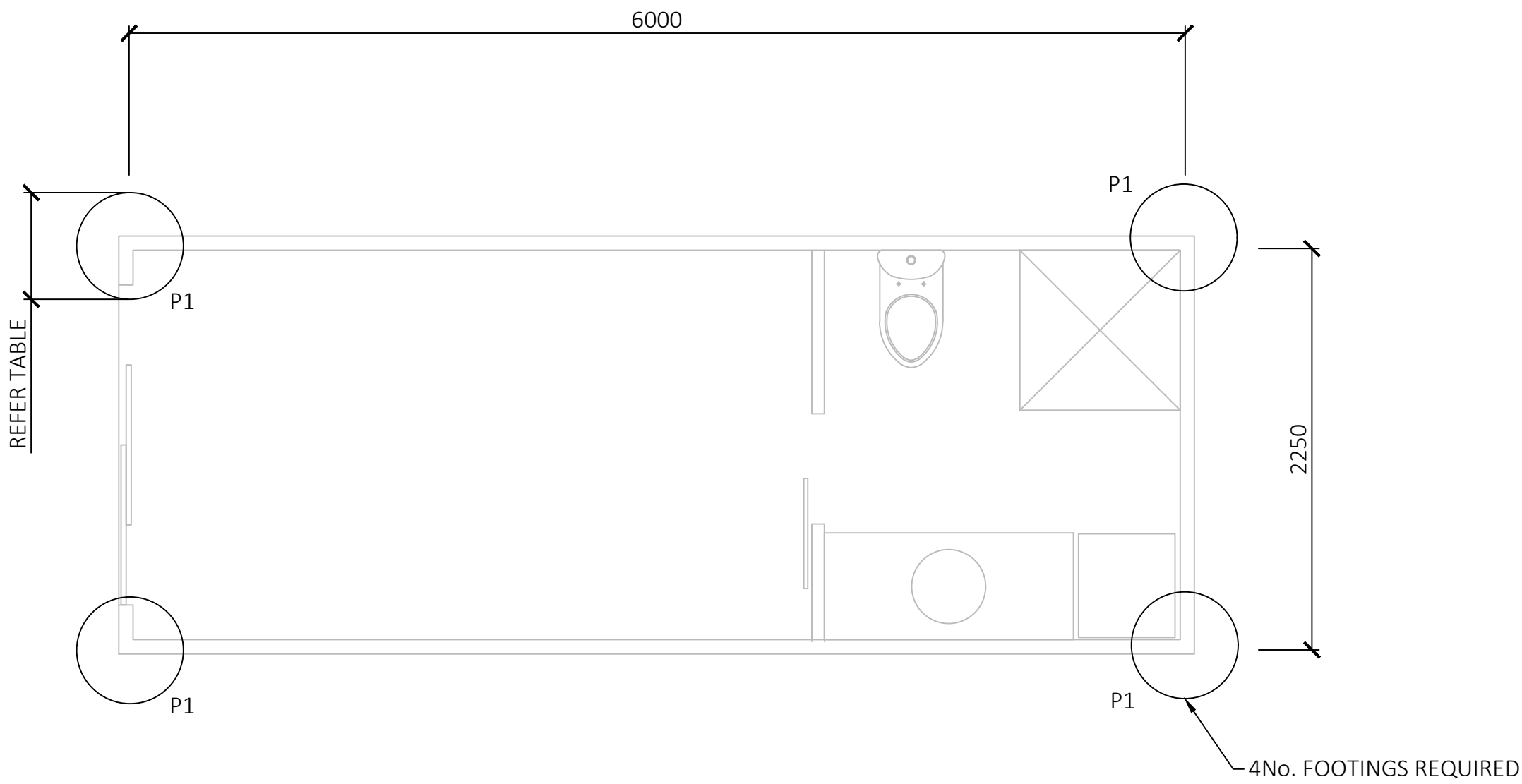
DRG NUMBER		REVISION	DATE
25030-SD-103		A	9/4/25
JOB NO.	DRAWN	CHECKED	APPROVED
25030	NC	NC	NC

STATUS

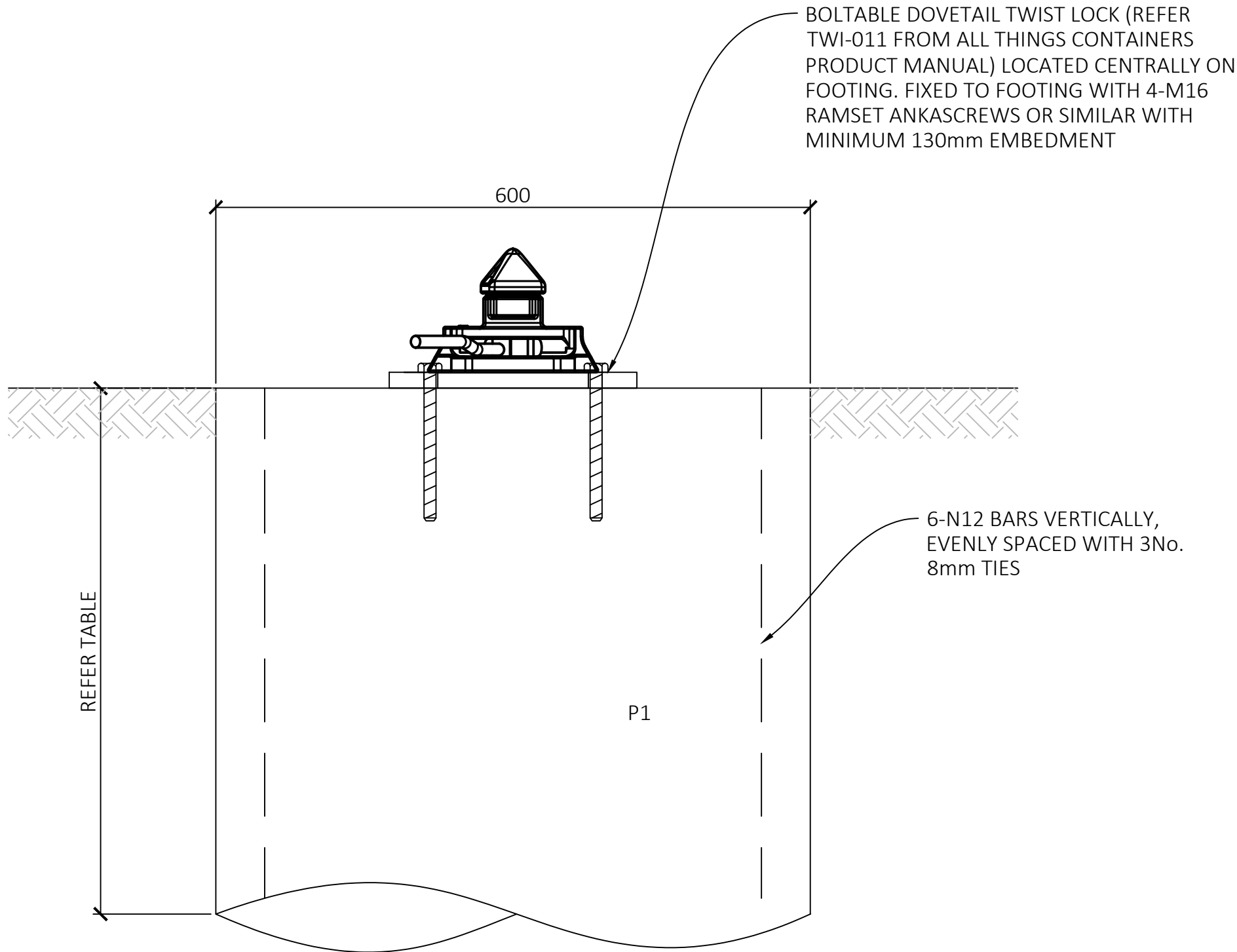
FOR CONSTRUCTION

Disclaimer: Clarke Engineering Consultants do not warrant the accuracy, currency or completeness of any information or data they supply or transfer by electronic means. You are responsible for verifying that any information or data supplied or transferred by electronic means matches the information or data on the corresponding version issued by Nathan Clarke.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS



FOUNDATION PLAN - 20ft CONTAINER
PLAN VIEW
SCALE 1:30



FOOTING DETAIL
SECTION VIEW
SCALE 1:5

MEMBER SCHEDULE			
MARK	TERRAIN CATEGORY	DETAIL	TERRAIN CATEGORY DEFINITION (AS1170.2 - WIND LOADS)
P1	TC1	600mm DIAMETER CONCRETE PILE, 25MPa, 1100mm DEEP WITH MIN 200mm INTO UNDERLYING 100kPa GROUND. 6-N12 BARS EVENLY SPACED WITH 3No. 8mm TIES	TERRAIN CATEGORY 1 (TC1) - EXPOSED OPEN TERRAIN WITH FEW OR NO OBSTRUCTIONS, TREELESS AND POORLY GRASSED AREAS OF AT LEAST 10KM WIDTH
P1	TC2	600mm DIAMETER CONCRETE PILE, 25MPa, 900mm DEEP WITH MIN 200mm INTO UNDERLYING 100kPa GROUND. 6-N12 BARS EVENLY SPACED WITH 3No. 8mm TIES	TERRAIN CATEGORY 2 (TC2) — OPEN TERRAIN, INCLUDING GRASSLAND, WITH WELL-SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 1.5 M TO 5 M, WITH NO MORE THAN TWO OBSTRUCTIONS PER HECTARE (E.G., FARMLAND AND CLEARED SUBDIVISIONS WITH ISOLATED TREES AND UNCUT GRASS)
P1	TC3	600mm DIAMETER CONCRETE PILE, 25MPa, 700mm DEEP WITH MIN 200mm INTO UNDERLYING 100kPa GROUND. 6-N12 BARS EVENLY SPACED WITH 3No. 8mm TIES	TERRAIN CATEGORY 3 (TC3) — TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING HEIGHTS GENERALLY FROM 3 M TO 10 M. THE MINIMUM DENSITY OF OBSTRUCTIONS SHALL BE AT LEAST THE EQUIVALENT OF 10 HOUSE-SIZE OBSTRUCTIONS PER HECTARE (E.G., SUBURBAN HOUSING, LIGHT INDUSTRIAL ESTATES, OR DENSE FORESTS)

- GENERAL NOTES:**
- DRAWINGS TO BE USED IN CONJUNCTION WITH ARCHITECTS/ENGINEERS DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS, AUSTRALIAN CODES.
 - DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS, CONTACT CLARKE ENGINEERING CONSULTANTS FOR ANY DIMENSIONS REQUIRED.
 - ALL MEASUREMENTS TO BE SITE MEASURED PRIOR TO FABRICATION.
 - ALL DIMENSIONS ARE IN (mm) U.N.O.
 - DO NOT OBTAIN DIMENSIONS BY SCALING FROM THESE DRAWINGS.
 - WHERE STRUCTURAL CERTIFICATION IS REQUIRED, INSPECTIONS ARE TO BE PERFORMED BY A QUALIFIED ENGINEER FROM "CLARK ENGINEERING CONSULTANTS" WITH MINIMUM 48HRS NOTICE.
 - WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA AND ALL RELEVANT CURRENT AUSTRALIAN STANDARDS.
 - DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING THAT NO PART IS OVERSTRESSED.
 - THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND PROPPING, INCLUDING ANY TEMPORARY SUPPORT FOR EXCAVATIONS.
 - THE CONTRACTOR AND ALL SUB CONTRACTORS TO CARRY OUT A RISK ASSESSMENT OR WORK SEQUENCES THAT MAY POSE A RISK TO CONSTRUCTION WORKERS ON SITE OR THE GENERAL PUBLIC. MEASURES ARE TO BE TAKEN TO AVOID OR MINIMISE THE RISKS & SITE MANAGEMENT SHALL BE ADVISED FOR INCLUSION IN THE PROJECTS HEALTH & SAFETY PLAN.

- WIND LOADING NOTES:**
THE STRUCTURE HAS BEEN DESIGNED TO THE FOLLOWING LOADS:
- | | |
|-----------------------------|---------------|
| STRUCTURAL IMPORTANCE LEVEL | = 1 |
| DESIGN INSTALLATION LIFE | = 500 YEARS |
| V ₅₀₀ ULTIMATE | = 45 M/S |
| TERRAIN CATEGORY | = REFER TABLE |
| REGION | = A5 |

- CONCRETE NOTES:**
- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS3600.
 - ALL CONCRETE IS TO BE VIBRATED DURING POURING.
 - ALL CONCRETE SHALL BE GRADE N25 MINIMUM, WITH 20MM AGGREGATE AND 80MM SLUMP.

- REINFORCEMENT NOTES:**
- CONCRETE COVER TO REINFORCEMENT SHALL BE 30mm MINIMUM.
 - REINFORCEMENT IS SHOWN INDICATIVE ONLY AND NOT NECESSARILY SHOWN ACCURATELY.
 - REINFORCEMENT IS TO BE INSTALLED AS PER AS4671.
 - LAPS IN REINFORCEMENT AS PER AS3600.
 - ALL REINFORCEMENT TO BE GRADE D500N BAR MINIMUM.

- FOUNDATION NOTES:**
- FOOTINGS SHALL BE FOUNDED ON MATERIAL HAVING A SAFE ALLOWABLE BEARING CAPACITY AS NOTED IN THE GEOTECHNICAL REPORT OR MINIMUM 100kPa.
 - UNLESS NOTED OTHERWISE, WHERE NEW FOUNDATIONS ARE FOUNDED CLOSE TO AN EXISTING FOOTING, EXISTING SERVICE, EXCAVATION, BATTER, OR NEW SERVICE WHICH IS DEEPER THAN THE NEW FOOTING, THE EXCAVATION FOR THE NEW FOOTING SHALL BE DEEPENED AND BACKFILLED WITH BLINDING CONCRETE TO AVOID UNDERMINING.
 - DURING CONSTRUCTION AND DURING THE LIFE OF THE BUILDING CARE SHOULD BE TAKEN TO MAINTAIN A STABLE MOISTURE CONTENT IN THE FOUNDATIONS FOUNDED MATERIAL. OWNERS SHOULD IMPLEMENT THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT AND THE CSIRO BUILDING TECHNOLOGY FILE 'BTF 18' ENTITLED 'FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE'.
 - WHERE TREES ARE LOCATED CLOSER THAN THEIR MATURE HEIGHT FROM THE NEW WORKS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO WORK COMMENCING.
 - THE BASE OF THE ALL FOUNDATIONS SHALL BE FREE OF ALL LOOSE MATERIAL, WATER, LEAVES AND ANY OTHER ORGANIC PARTICULARS.
 - ALL FIXINGS TO FOOTINGS TO BE CONCENTRIC WITH THE SUPPORTING FOOTINGS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

- ANCHOR NOTES:**
- ALL ANCHORS INTO CONCRETE TO BE INSTALLED IN ACCORDANCE WITH ASS216.
 - ALL ANCHORS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND REQUIREMENTS.
 - ALL OVERSIZED ANCHOR HOLES (INCLUDING THOSE IN STEEL PLATE) TO BE FILLED COMPLETELY WITH EPOXY MORTAR.

CLIENT

ENGINEER

CLARKE ENGINEERING CONSULTANTS

CIVIL AND STRUCTURAL ENGINEERS

REV.	DESCRIPTION	DATE
A	FOR CONSTRUCTION	9/4/25

TITLE

FOOTING DESIGN

PROJECT

TYPICAL 20ft CONTAINER

DRG NUMBER		REVISION	DATE
25030-SD-104		A	9/4/25
JOB NO.	DRAWN	CHECKED	APPROVED
25030	NC	NC	NC

STATUS

FOR CONSTRUCTION

Disclaimer: Clarke Engineering Consultants do not warrant the accuracy, currency or completeness of any information or data they supply or transfer by electronic means. You are responsible for verifying that any information or data supplied or transferred by electronic means matches the information or data on the corresponding version issued by Nathan Clarke.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

NCC – GENERAL NOTES FOR COMPLIANCE OF WET AREA WATERPROOFING IN ACCORDANCE WITH AS 3740:

SHOWER AREA (ENCLOSED AND UNENCLOSED):

- (1) FOR A SHOWER AREA WITH A HOB, STEP-DOWN OR LEVEL THRESHOLD, THE FOLLOWING APPLIES:
A. THE FLOOR OF THE SHOWER AREA MUST BE WATERPROOF INCLUDING ANY HOB OR STEP DOWN (SEE FIGURE 10.2.2) & UP THE VERTICAL FACE OF THE WALL MINIMUM 1800MM ABOVE THE FLOOR SUBSTRATE, WALL JUNCTIONS AND JOINTS WITHIN THE SHOWER MUST BE WATERPROOFED NOT LESS THAN 40MM EITHER SIDE OF THE JUNCTION, WALL/FLOOR JUNCTIONS IN THE SHOWER AREA MUST BE WATERPROOF, PENETRATIONS IN THE SHOWER AREA MUST BE WATERPROOF;
B. ALL WALL/FLOOR JUNCTIONS MUST BE WATERPROOFED. WHERE A FLASHING IS USED, THE HORIZONTAL LEG MUST NOT BE LESS THAN 40MM;
C. TAP AND SPOUT PENETRATIONS MUST BE WATERPROOF WHERE THEY OCCUR IN HORIZONTAL SURFACES;
(2) A SHOWER WITH A PREFORMED SHOWER BASE MUST ALSO COMPLY WITH THE REQUIREMENTS OF (1), EXCEPT FOR (A) WHICH IS NOT APPLICABLE.

AREA OUTSIDE THE SHOWER:

- FOR CONCRETE, COMPRESSED FIBRE-CEMENT AND FIBRE-CEMENT SHEET SUBSTRATE, THE FLOOR OF THE ROOM MUST BE WATER RESISTANT.
- FOR TIMBER SUBSTRATES INCLUDING PARTICLEBOARD, PLYWOOD AND OTHER TIMBER BASED FLOORING MATERIALS, THE FLOOR OF THE ROOM MUST BE WATERPROOF.
- WALL/FLOOR JUNCTIONS MUST BE— WATERPROOF AND WHERE A FLASHING IS USED, THE HORIZONTAL LEG MUST BE NOT LESS THAN 40 MM.

MEMBRANE INSTALLATION FOR SCREED

WHERE A SCREED IS USED IN CONJUNCTION WITH A WATERPROOF MEMBRANE, THE WATERPROOF MEMBRANE CAN BE INSTALLED EITHER ABOVE OR BELOW THE TILE BED OR SCREED.

SUBSTRATE SURFACE PREPARATION FOR APPLICATION OF MEMBRANE

THE SUBSTRATE SURFACE AREA WHERE A MEMBRANE IS TO BE APPLIED MUST BE CLEAN AND DUST FREE AND FREE OF INDENTATIONS AND IMPERFECTIONS.

AREA ADJACENT TO BATHS AND SPAS WITHOUT SHOWERS

- (1) FOR AREAS ADJACENT TO ALL BATHS AND SPAS, THE FOLLOWING APPLIES:
(A)FOR CONCRETE, COMPRESSED FIBRE-CEMENT AND FIBRE-CEMENT SHEET FLOORING, THE FLOOR OF THE ROOM MUST BE WATER RESISTANT.
(B)FOR TIMBER FLOORS INCLUDING PARTICLEBOARD, PLYWOOD AND OTHER TIMBER BASED FLOORING MATERIALS, THE FLOOR OF THE ROOM MUST BE WATERPROOF.
(C)TAP AND SPOUT PENETRATIONS MUST BE WATERPROOF WHERE THEY OCCUR IN HORIZONTAL SURFACES.

- (2) FOR AREAS ADJACENT TO NON-FREESTANDING BATHS AND SPAS, THE FOLLOWING APPLIES:
WALLS MUST BE WATER RESISTANT (SEE FIGURE 10.2.4A AND FIGURE 10.2.4B)—
(A) TO A HEIGHT OF NOT LESS THAN 150 MM ABOVE THE VESSEL, FOR THE EXTENT OF THE VESSEL, WHERE THE VESSEL IS WITHIN (I) 75 MM OF A WALL; AND (II) FOR ALL EXPOSED SURFACES BELOW VESSEL LIP.
(B) WALL JUNCTIONS AND JOINTS MUST BE WATER RESISTANT WITHIN 150 MM ABOVE A VESSEL FOR THE EXTENT OF THE VESSEL.
C. WALL/FLOOR JUNCTIONS MUST BE WATERPROOF FOR THE EXTENT OF THE VESSEL (SEE FIGURE 10.2.4A AND FIGURE 10.2.4B).

- (3) FOR INSERTED BATHS AND SPAS, THE FOLLOWING APPLIES:
(A) FOR FLOORS AND HORIZONTAL SURFACES:
(I) ANY SHELF AREA ADJOINING THE BATH OR SPA MUST BE WATERPROOF AND INCLUDE A WATERSTOP UNDER THE VESSEL LIP.
(II) THERE ARE NO REQUIREMENTS FOR THE FLOOR UNDER A BATH OR SPA.
(B) FOR WALLS:
(I) WATERPROOF TO NOT LESS THAN 150 MM ABOVE THE LIP OF A BATH OR SPA.
(II) THERE ARE NO REQUIREMENTS FOR THE FLOOR UNDER A BATH OR SPA.
(C) FOR WALL JUNCTIONS AND JOINTS, THE FOLLOWING APPLIES:
(I) WATERPROOF JUNCTIONS WITHIN 150 MM OF A BATH OR SPA.
(II) THERE ARE NO REQUIREMENTS FOR JUNCTIONS AND JOINTS IN WALLS BENEATH THE LIP OF A BATH OR SPA.
(D) TAP AND SPOUT PENETRATIONS MUST BE WATERPROOF WHERE THEY OCCUR IN HORIZONTAL SURFACES.

OTHER AREAS:

- (1) FOR WALLS ADJOINING OTHER TYPES OF VESSELS I.E. SINK, BASIN, LAUNDRY TUB, THE FOLLOWING APPLIES:
(A)WALLS MUST BE WATER RESISTANT TO A HEIGHT OF NOT LESS THAN 150 MM ABOVE THE VESSEL, FOR THE EXTENT OF THE VESSEL, WHERE THE VESSEL IS WITHIN 75 MM OF A WALL (SEE FIGURE 10.2.5).
(B)WATERPROOF WALL JUNCTIONS WHERE A VESSEL IS FIXED TO A WALL.
(C)WATERPROOF TAP AND SPOUT PENETRATIONS WHERE THEY OCCUR IN SURFACES REQUIRED
(2) FOR LAUNDRIES AND WCS, THE FOLLOWING APPLIES:
(A)THE FLOOR OF THE ROOM MUST BE WATER RESISTANT.
(B) WALL/FLOOR JUNCTIONS MUST BE WATER RESISTANT, AND WHERE A FLASHING IS USED, THE HORIZONTAL LEG MUST NOT BE LESS 40MM
(3) FOR WCS WITH HANDHELD BIDET SPRAY INSTALLATIONS, THE FOLLOWING APPLIES:
(A) THE FLOOR OF THE ROOM MUST BE WATERPROOF.
(B) WALLS MUST BE— WATERPROOF IN WC AREA WITHIN A 900 MM RADIUS FROM THE WALL CONNECTION OF THE HANDHELD BIDET SPRAY DEVICE TO A HEIGHT OF NOT LESS THAN 150 MM ABOVE THE FLOOR SUBSTRATE AND WATER RESISTANT IN WC AREA WITHIN A 900 MM RADIUS FROM THE WALL CONNECTION OF THE HANDHELD BIDET DEVICE TO NOT LESS THAN 1200 MM ABOVE THE FINISHED FLOOR LEVEL OF THE WC.
(C) WALL JUNCTIONS WITHIN THE WC AREA WITHIN 900 MM RADIUS FROM THE WALL CONNECTION OF THE HANDHELD BIDET SPRAY DEVICE MUST BE WATERPROOF.
(D) WALL/FLOOR JUNCTIONS WITHIN THE WC AREA WITHIN 1000 MM RADIUS FROM THE WALL CONNECTION OF THE HANDHELD BIDET SPRAY DEVICE MUST BE WATERPROOF.
(E) PENETRATIONS IN THE WC AREA MUST BE WATERPROOF.

WATERPROOF MATERIALS

- THE FOLLOWING MATERIALS USED IN WATERPROOFING SYSTEMS ARE DEEMED TO BE WATERPROOF:
(A) STAINLESS STEEL.
(B) FLEXIBLE WATERPROOF SHEET FLOORING MATERIAL WITH WATERPROOF JOINTS.
(C) MEMBRANES COMPLYING WITH AS/NZS 4858.
(D) WATERPROOF SEALANT.

CONSTRUCTION OF WET AREA FLOORS - FALLS

WHERE A FLOOR WASTE IS INSTALLED— THE MINIMUM CONTINUOUS FALL OF A FLOOR PLANE TO THE WASTE MUST BE 1:80 AND THE MAXIMUM CONTINUOUS FALL OF A FLOOR PLANE TO THE WASTE MUST BE 1:50

SHOWER AREA REQUIREMENTS

SHOWER AREAS MUST BE DESIGNED AS EITHER ENCLOSED OR UNENCLOSED— TO INCLUDE A FLOOR WASTE WITH FALLS COMPLYING WITH 10.2.12 AND WITH A STEPDOWN COMPLYING WITH 10.2.15, HOB COMPLYING WITH 10.2.16 OR LEVEL THRESHOLD COMPLYING WITH 10.2.17.

STEPDOWN SHOWERS

FOR STEPDOWN SHOWERS, THE HIGHEST FINISHED FLOOR LEVEL OF THE SHOWER AREA MUST BE STEPPED DOWN A MINIMUM OF 25 MM LOWER THAN THE FINISHED FLOOR LEVEL OUTSIDE THE SHOWER (SEE FIGURES 10.2.15A, 10.2.15B, 10.2.15C AND 10.2.15D FROM THE BCA).

HOB CONSTRUCTION

HOB'S MUST BE CONSTRUCTED OF MASONRY, CONCRETE, AUTOCLAVED AERATED CONCRETE OR EXTRUDED POLYURETHANE FOAM IN ACCORDANCE WITH FIGURE 10.2.16. ALL GAPS, JOINTS AND INTERSECTIONS OF THE HOB SUBSTRATE MUST BE MADE FLUSH BEFORE APPLICATION OF A MEMBRANE. HOB'S MUST BE ADEQUATELY SECURED TO THE FLOOR AND SEALED AGAINST THE WALL PRIOR TO APPLYING A MEMBRANE. TIMBER MUST NOT BE USED FOR HOB CONSTRUCTION.

ENCLOSED SHOWERS WITH LEVEL THRESHOLD (WITHOUT HOB OR STEPDOWN)

FOR ENCLOSED SHOWERS WITHOUT A STEPDOWN OR A HOB, AT THE EXTREMITY OF THE SHOWER AREA, A WATERSTOP MUST BE POSITIONED SO THAT ITS VERTICAL LEG FINISHES— WHERE A SHOWER SCREEN IS TO BE INSTALLED, NOT LESS THAN 5 MM ABOVE THE FINISHED FLOOR LEVEL (SEE FIGURE 10.2.17) AND WHERE THE WATERSTOP INTERSECTS WITH A WALL OR HAS A JOINT, THE JUNCTION MUST BE WATERPROOF.

UNENCLOSED SHOWERS

- (1) UNENCLOSED SHOWERS MUST BE CONSTRUCTED AS FOLLOWS:
(A)A WATERSTOP MUST BE INSTALLED A MINIMUM HORIZONTAL DISTANCE OF 1500 MM FROM THE SHOWER ROSE. THE VERTICAL LEG OF THE WATERSTOP MUST FINISH— FLUSH WITH THE TOP SURFACE OF THE FLOOR (SEE FIGURE 10.2.18) AND WHERE THE WATERSTOP INTERSECTS WITH A WALL OR IS JOINED— THE JUNCTION MUST BE WATERPROOF OR THE WHOLE WET AREA FLOOR MUST BE WATERPROOFED AND DRAINED TO A FLOOR WASTE AS FOR THE SHOWER AREA.
(2) IN THE CASE OF WATERSTOP JUNCTION, AT DOORWAYS, WHERE THE HEIGHT OF THE TILING ANGLE NEEDS TO BE ADJUSTED FOR TILING PURPOSES, THE ANGLE MUST BE FIXED WITH A SEALANT COMPATIBLE WITH THE WATERPROOFING MEMBRANE WITHOUT DAMAGING THE WATERPROOFING SYSTEM

PREFORMED SHOWER BASES

- PREFORMED SHOWER BASES MUST—
(A) HAVE AN UPTURN LIP (SEE FIGURE 10.2.19A AND FIGURE 10.2.19B); AND
(B)BE RECESSED INTO THE WALL TO ALLOW THE WATER RESISTANT SURFACE MATERIALS AND SUBSTRATE MATERIALS TO PASS DOWN INSIDE THE PERIMETER UPTURN LIP OF THE SHOWER BASE (SEE FIGURE 10.2.19A AND FIGURE 10.2.19B); AND
(C) BE SUPPORTED TO PREVENT DISTORTION OR CRACKING.

BATHS AND SPAS

- BATHS AND SPAS, EXCEPT FREESTANDING BATHS AND SPAS, MUST—
(A) HAVE AN UPTURN LIP; AND
(B) BE RECESSED INTO THE WALL (SEE FIGURE 10.2.20); AND
(C) HAVE THE WATER RESISTANT SUBSTRATE MATERIALS OF THE WALL PASS DOWN INSIDE THE UPTURN LIP (SEE FIGURE 10.2.20).

PENETRATIONS

- PENETRATIONS WITHIN SHOWER AREAS MUST COMPLY WITH THE FOLLOWING:
(A)PENETRATIONS FOR TAPS, SHOWER NOZZLES AND THE LIKE MUST BE WATERPROOFED BY SEALING WITH— SEALANTS, PROPRIETARY FLANGE SYSTEMS OR A COMBINATION
(B) THE SPINDLE HOUSING OF THE TAP BODY MUST BE ABLE TO BE REMOVED TO ENABLE REPLACEMENT OF THE WASHER WITHOUT DAMAGING THE SEAL.
(C) THE FOLLOWING MUST BE WATERPROOFED:
- ALL PENETRATIONS DUE TO MECHANICAL FIXINGS OR FASTENINGS OF SUBSTRATE MATERIALS.
- ANY PENETRATION OF THE SURFACE MATERIALS DUE TO MECHANICAL FIXINGS OR FASTENINGS.
- RECESSED SOAP HOLDERS (NICHES) AND THE LIKE.
(D) TAP AND SPOUT PENETRATIONS ON HORIZONTAL SURFACES SURROUNDING BATHS AND SPAS MUST BE WATERPROOFED BY— SEALING THE TAP BODY TO THE SUBSTRATE WITH SEALANTS OR PROPRIETARY FLANGE SYSTEMS.

FLASHINGS/JUNCTIONS

- FLASHINGS MUST BE INSTALLED IN ACCORDANCE WITH 10.2.2 TO 10.2.5 AND THE FOLLOWING:
(A)PERIMETER FLASHING TO WALL/FLOOR JUNCTIONS MUST HAVE A—
- VERTICAL LEG THAT EXTENDS A MINIMUM OF 25 MM ABOVE THE FINISHED FLOOR LEVEL, EXCEPT ACROSS DOORWAYS; AND
- HORIZONTAL LEG THAT HAS A MINIMUM WIDTH OF NOT LESS THAN 50 MM.
(B) WHERE A WATER RESISTANT SUBSTRATE IS USED IN CONJUNCTION WITH A WATER RESISTANT SURFACE MATERIAL, A WATERPROOF SEALANT MUST BE INSTALLED AT THE SUBSTRATE JUNCTION AT THE WALL/FLOOR JUNCTION.
(C) PERIMETER FLASHINGS AT A FLOOR LEVEL OPENING MUST COMPLY WITH THE FOLLOWING:
- WHERE THE WHOLE WET AREA FLOOR IS WATERPROOF, AT FLOOR LEVEL OPENINGS, A WATERSTOP MUST BE INSTALLED THAT HAS A VERTICAL LEG FINISHING FLUSH WITH THE TOP OF THE FINISHED FLOOR LEVEL WITH THE FLOOR MEMBRANE BEING TERMINATED TO CREATE A WATERPROOF SEAL TO THE WATERSTOP AND TO THE PERIMETER FLASHING (SEE FIGURE 10.2.24).
- IN ANY OTHER CASE, AT A FLOOR LEVEL OPENING A WATERSTOP MUST BE INSTALLED THAT HAS A VERTICAL LEG FINISHING FLUSH WITH THE TOP OF THE FINISHED FLOOR LEVEL AND WATERPROOFED TO THE PERIMETER FLASHING.
(D) A VERTICAL FLASHING, EITHER EXTERNAL TO THE WET AREA OR INTERNAL, MUST EXTEND A MINIMUM OF 1800 MM ABOVE THE FINISHED FLOOR LEVEL.

SHOWER AREA FLOOR MEMBRANE APPLICATION

FOR HOBLESS SHOWERS, OR SHOWERS WITH HOB'S OR STEPDOWNS, THE MEMBRANE MUST BE APPLIED OVER THE FLOOR AND UP THE VERTICAL FACE OF THE WALL SUBSTRATE TO A MINIMUM HEIGHT OF 1800 MM ABOVE THE FINISHED TILE LEVEL OF THE FLOOR.

SHOWER AREA MEMBRANE REQUIREMENTS FOR WALL SHEETING SUBSTRATES

- (1) WHERE WALL SHEETING IS USED WITH AN EXTERNAL MEMBRANE SYSTEM IN A SHOWER AREA IT MUST BE WATERPROOF TO PREVENT WATER MOVEMENT BY CAPILLARY ACTION.
(2) WHERE WATER RESISTANT PLASTERBOARD IS USED ALL CUT EDGES THAT HAVE THE POTENTIAL TO BE AFFECTED BY WATER AND MOISTURE MUST BE WATERPROOFED, INCLUDING THE BOTTOM EDGE OVER A PREFORMED SHOWER BASE.

BOND BREAKER INSTALATION FOR BONDED MEMBRANES

BOND BREAKERS MUST BE INSTALLED AT ALL WALL/WALL, WALL/FLOOR, HOB/WALL JUNCTIONS AND AT MOVEMENT JOINTS WHERE THE MEMBRANE IS BONDED TO THE SUBSTRATE AND BOND BREAKERS MUST BE OF THE TYPE COMPATIBLE WITH THE FLEXIBILITY CLASS OF THE MEMBRANE TO BE USED.

INSTALATION OF INTERNAL MEMBRANES

- WHERE A SHOWER HAS A HOB THE MEMBRANE MUST BE BROUGHT OVER THE TOP OF THE HOB, DOWN THE OUTSIDE FACE AND TERMINATE NOT LESS THAN 50 MM ONTO THE FLOOR (SEE FIGURE 10.2.16).
WHERE THE SHOWER HAS A WATERSTOP, THE MEMBRANE MUST BE BROUGHT TO THE TOP OF THE FINISHED FLOOR, EXCEPT WHERE IT IS UNDER A FRAMED SHOWER SCREEN WHERE IT MUST TERMINATE NOT LESS THAN 5 MM ABOVE THE FINISHED TILE SURFACE (SEE FIGURE 10.2.17 AND FIGURE 10.2.18).

MEMBRANE TO DRAINAGE CONNECTION

- (1) MEMBRANE DRAINAGE CONNECTIONS IN CONCRETE FLOORS MUST COMPLY WITH ONE OF THE FOLLOWING:
- A DRAINAGE FLANGE MUST BE INSTALLED WITH THE WATERPROOFING MEMBRANE TERMINATED AT OR IN THE DRAINAGE FLANGE TO PROVIDE A WATERPROOF CONNECTION (SEE FIGURE 10.2.29).
- WHERE A PREFORMED SHOWER BASE IS USED, PROVISION MUST BE MADE TO DRAIN THE TILE BED AND PROVIDE A WATERPROOF CONNECTION TO THE DRAIN.
(2) FOR MEMBRANE DRAINAGE CONNECTIONS IN OTHER FLOORS, A DRAINAGE FLANGE MUST BE INSTALLED WITH THE WATERPROOFING MEMBRANE TERMINATED AT OR IN THE DRAINAGE FLANGE TO PROVIDE A WATERPROOF CONNECTION (SEE FIGURE 10.2.29).
(3) WHERE A PREFORMED SHOWER BASE IS USED, PROVISION MUST BE MADE TO DRAIN THE TILE BED AND PROVIDE A WATERPROOF CONNECTION TO THE DRAIN.
(4) FLOOR WASTES MUST BE OF SUFFICIENT HEIGHT TO SUIT THE THICKNESS OF THE TILE AND TILE BED AT THE OUTLET POSITION.

DRAINAGE RISER CONNECTION

- (1) WHERE A PREFORMED SHOWER BASE IS USED, THE DRAINAGE RISER MUST BE CONNECTED TO THE TRAY WITH A WATERPROOF JOINT.
(2) WHERE AN IN SITU SHOWER TRAY IS USED, THE MEMBRANE MUST BE ABLE TO FORM A PERMANENT WATERPROOF SEAL TO THE DRAINAGE RISER OR DRAINAGE FLANGE (SEE FIGURE 10.2.29).

DOOR JAMBS ON TILED FLOORS

WHERE THE BOTTOM OF A DOOR JAMB DOES NOT FINISH ABOVE THE FLOOR TILING, THE PORTION OF THE DOOR FRAME BELOW THE FLOOR TILING MUST BE WATERPROOFED TO PROVIDE A CONTINUOUS SEAL BETWEEN THE PERIMETER FLASHING AND THE WATERSTOP.

SHOWER SCREENS

- (1) FOR A SHOWER WITH A HOB, THE SHOWER SCREEN MUST BE INSTALLED FLUSH WITH THE SHOWER AREA SIDE OF THE HOB OR OVERHANG INTO THE SHOWER AREA.
(2) FOR A SHOWER WITH A STEPDOWN, THE SHOWER SCREEN MUST BE INSTALLED FLUSH WITH THE FINISHED VERTICAL SURFACE OF THE STEPDOWN OF THE SHOWER AREA.
(3) FOR A SHOWER WITHOUT A HOB OR STEPDOWN, THE SHOWER SCREEN MUST INCORPORATE OR BE MOUNTED ON AN INVERTED CHANNEL, POSITIONED OVER THE TOP OF THE WATERSTOP, THAT DEFINES THE SHOWER AREA.
(4) FOR BATH END WALLS AND DIVIDING WALLS ABUTTING A SHOWER, THE SHOWER SCREEN MUST BE POSITIONED SO THAT THE BOTTOM EDGE WITHIN THE SHOWER AREA IS EITHER FLUSH WITH THE OUTSIDE EDGE OF THE BATH OR OVERHANGING INTO THE SHOWER AREA.

DESIGN: NA CEILING: NA DRAWING TITLE: WATERPROOFING NOTES 0123m SCALE 1 : 100 (A3) This drawing is not to be scaled. Use figured dimensions only. All dimensions shall be checked by the client and builder before the fabrication of any building component or commencement of construction.	OWNER:	
	DRAWN:	CHECKED:
	PROJECT N°:	REV: A
	SHEET:	

Figure 10.2.2 EXTENT OF TREATMENT FOR SHOWER AREAS— CONCRETE COMPRESSED FIBRE-CEMENT AND FIBRE-CEMENT SHEET FLOORS

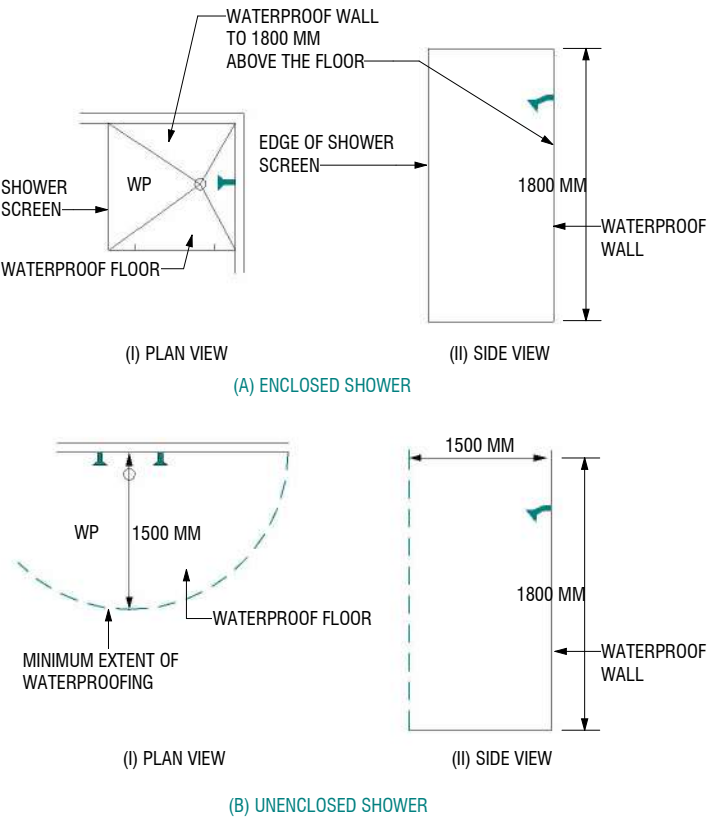


FIGURE 10.2.4A: AREAS ADJACENT TO BATHS AND SPAS WITHOUT SHOWERS FOR CONCRETE, COMPRESSED FIBRE-CE-MENT AND FIBRE-CEMENT SHEET FLOORING

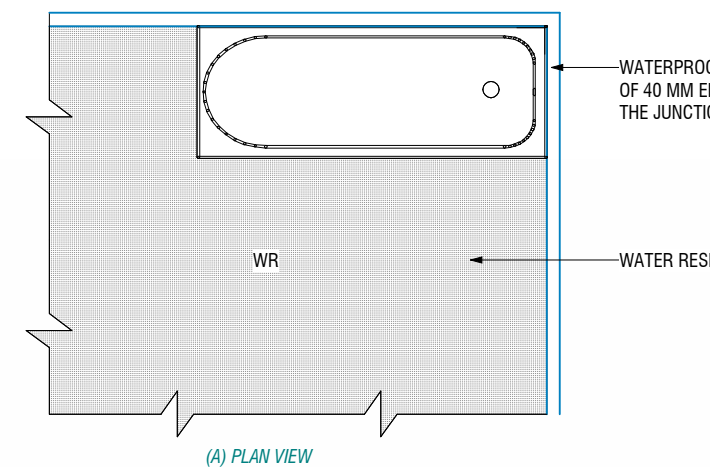


FIGURE 10.2.4A: AREAS ADJACENT TO BATHS AND SPAS WITHOUT SHOWERS FOR CONCRETE, COMPRESSED FIBRE-CE-MENT AND FIBRE-CEMENT SHEET FLOORING

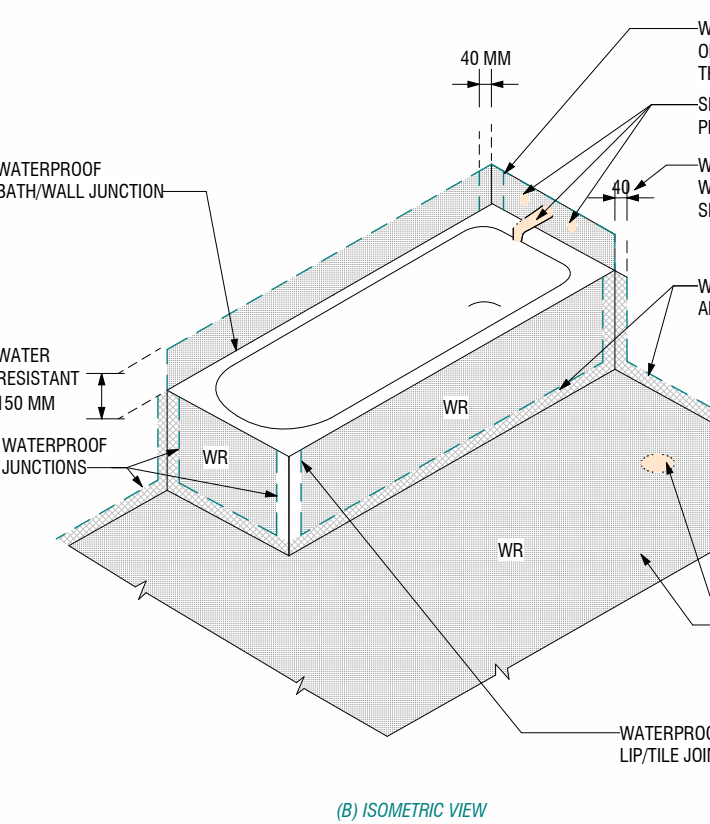


FIGURE 10.2.27 (EXPLANATORY): TYPICAL BOND BREAKER DETAILS

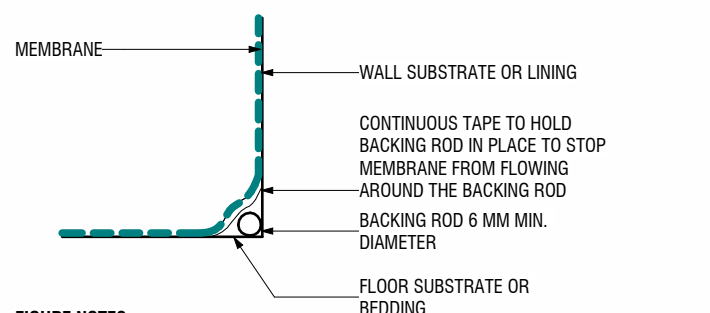


FIGURE NOTES

(1) BOND BREAKERS FOR CLASS I MEMBRANES (LOW EXTENSIBILITY) ALLOW THE MEMBRANE TO FLEX RATHER THAN STRETCH.

(2) BOND BREAKERS FOR CLASS II MEMBRANES (MEDIUM EXTENSIBILITY) ALLOW THE MEMBRANE TO STRETCH. IF A TAPE IS USED AS A BOND BREAKER, EITHER THE MEMBRANE MUST NOT BOND TO THE TAPE OR THE TAPE MUST HAVE ELASTIC PROPERTIES SIMILAR TO THE MEMBRANE.

(3) BOND BREAKERS FOR CLASS III MEMBRANES (HIGH EXTENSIBILITY) ALLOW THE MEMBRANE TO HAVE AN EVEN THICKNESS.

FIGURE 10.2.5: BATH AND VESSEL ABUTTING WALL— AREAS TO BE PROTECTED

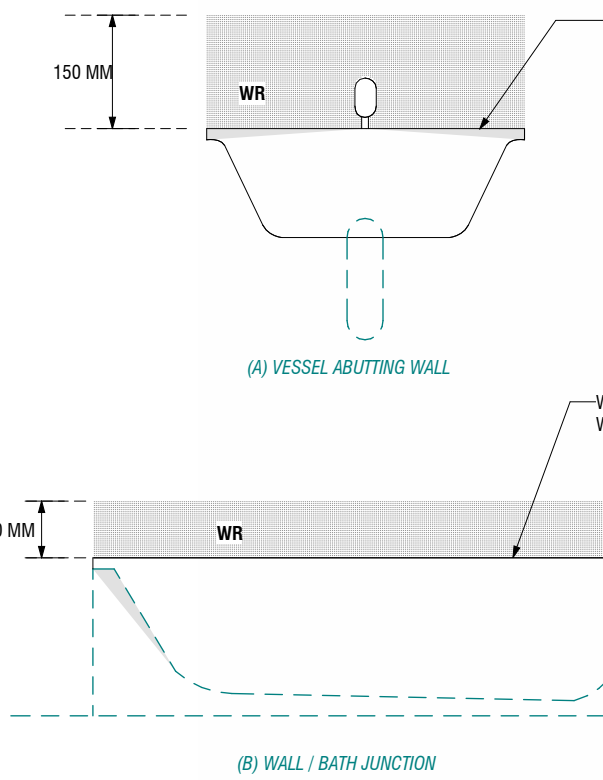


FIGURE 10.2.4B: AREAS ADJACENT TO BATHS AND SPAS WITHOUT SHOWERS FOR TIMBER FLOORS INCLUDING PARTICLE-BOARD, PLYWOOD AND OTHER FLOOR MATERIALS

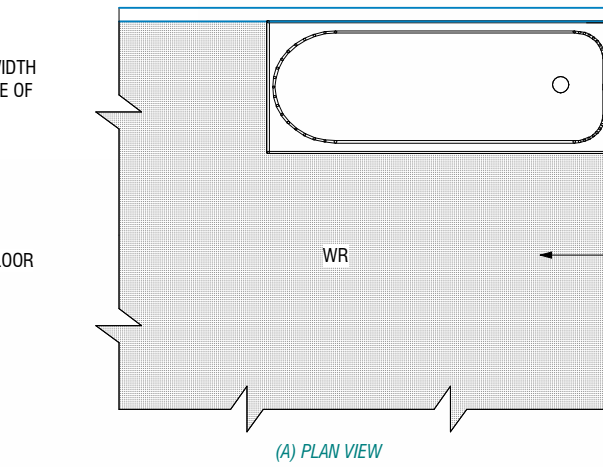


FIGURE 10.2.4A: AREAS ADJACENT TO BATHS AND SPAS WITHOUT SHOWERS FOR CONCRETE, COMPRESSED FIBRE-CE-MENT AND FIBRE-CEMENT SHEET FLOORING

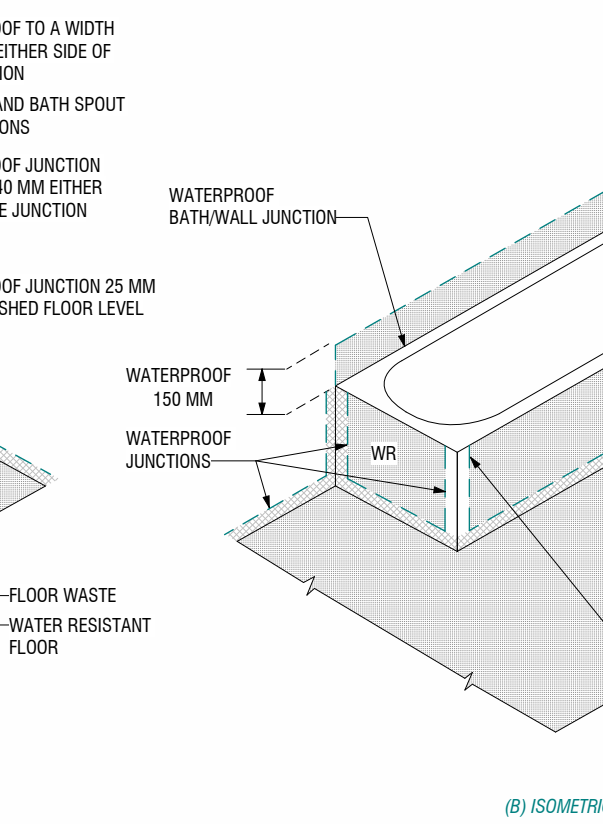
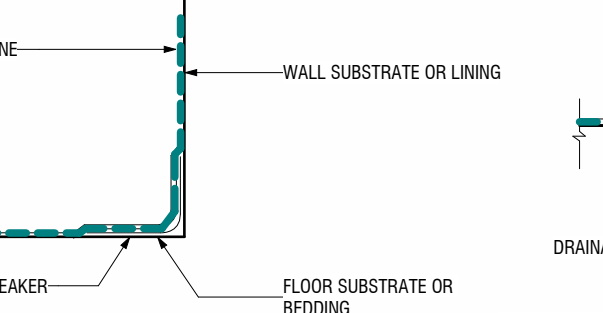


FIGURE 10.2.29: TYPICAL MEMBRANE TERMINATION AT DRAINAGE OUTLET



EXPLANATORY INFORMATION: DRAINAGE FLANGES

• FOR MEMBRANE DRAINAGE CONNECTIONS IN CONCRETE FLOORS: DRAINAGE FLANGE MAY BE EITHER CAST INTO THE CONCRETE SLAB OR SET INTO THE TOP SURFACE OF THE CONCRETE SLAB OR THE TILE BED.

• FOR MEMBRANE DRAINAGE CONNECTIONS IN OTHER FLOORS: DRAINAGE FLANGE MAY BE EITHER SET INTO THE FLOOR SUBSTRATE OR THE TILE BED.

FIGURE 10.2.15A: TYPICAL ENCLOSED STEPPED DOWN SHOWER CONSTRUCTION (MEMBRANE BELOW TILE BED)

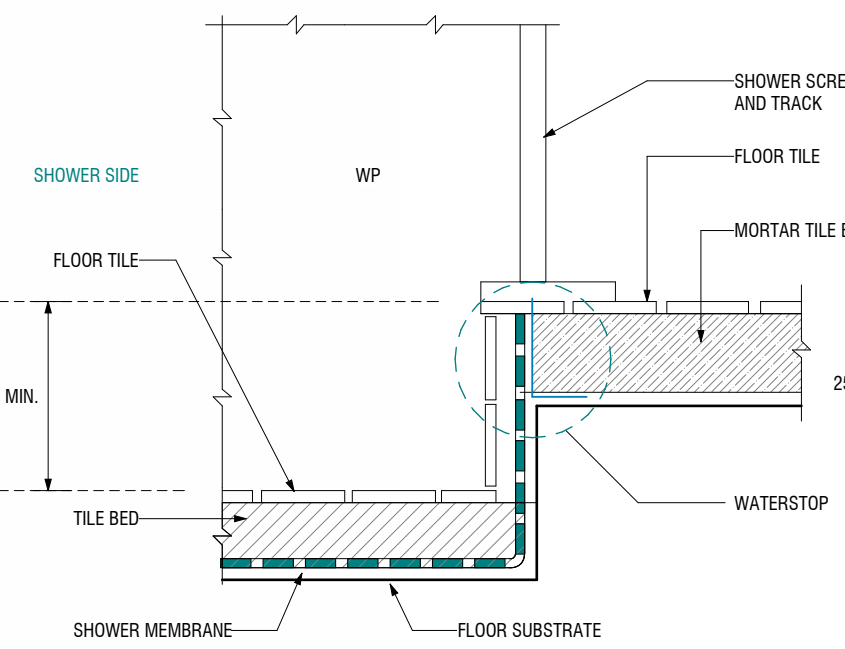


FIGURE 10.2.15B: TYPICAL ENCLOSED STEPPED DOWN SHOWER CONSTRUCTION (MEMBRANE ABOVE TILE BED)

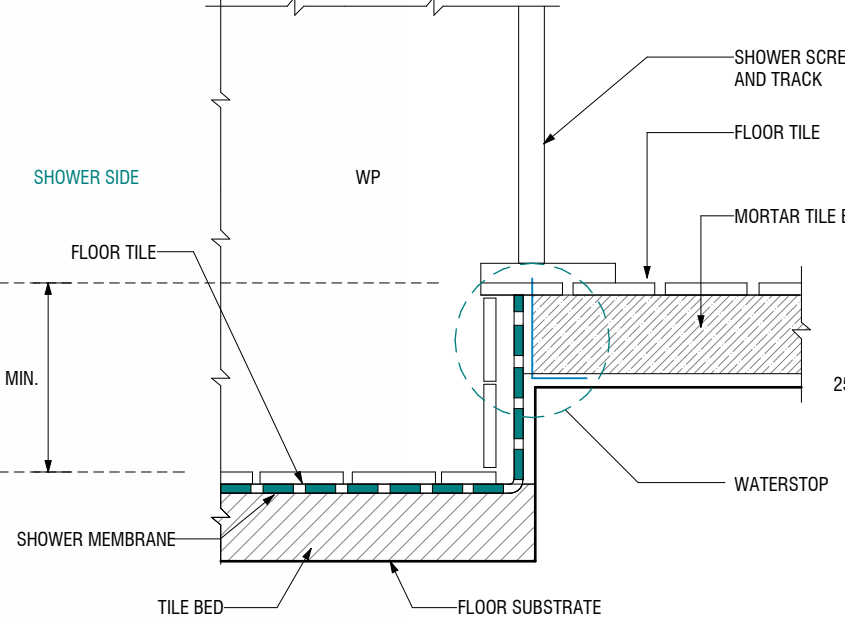


FIGURE 10.2.16: TYPICAL HOB CONSTRUCTION - INTERNAL MEMBRANE

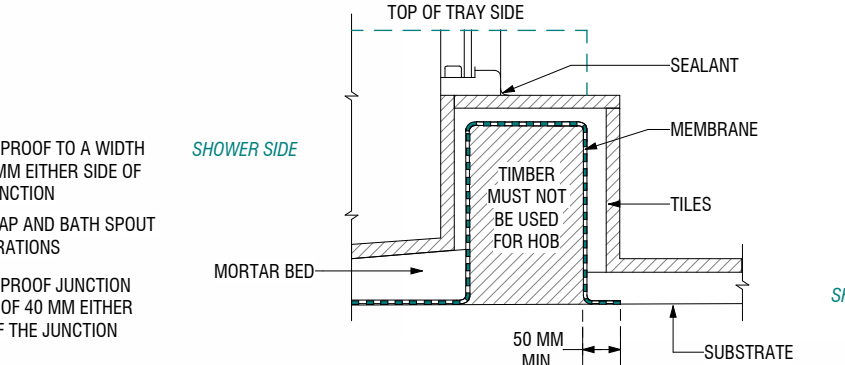
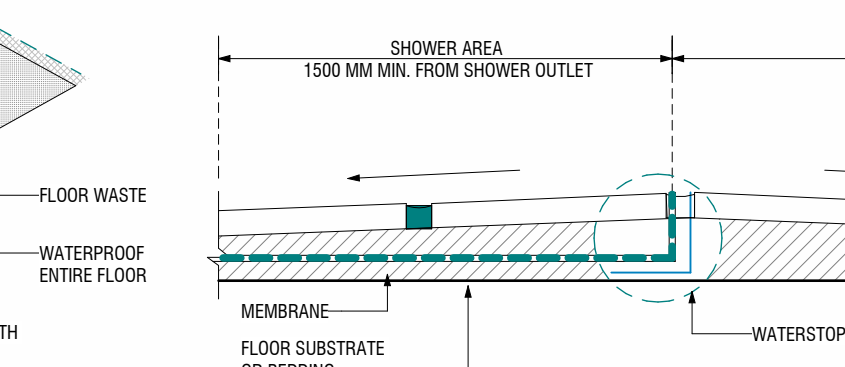
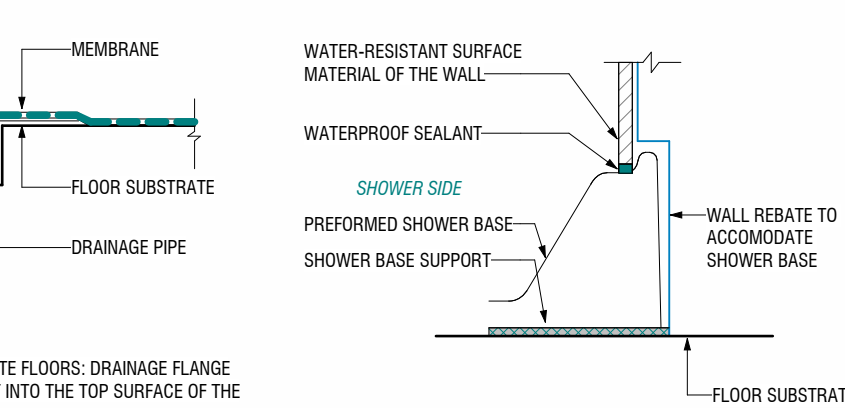


FIGURE 10.2.18: TYPICAL TERMINATION OF MEMBRANE AT EXTENT OF SHOWER AREA



10.2.19A: TYPICAL PREFORMED SHOWER BASE WALL/FLOOR JUNCTION FIGURE



10.2.19B: TYPICAL PREFORMED SHOWER BASE/FLOOR JUNCTION ON TIMBER FLOORS, INCLUDING PARTICLEBOARD, PLYWOOD AND OTHER TIMBER MATERIALS



FIGURE 10.2.15C: TYPICAL UNENCLOSED STEPPED DOWN SHOWER CONSTRUCTION (MEMBRANE BELOW TILE BED)

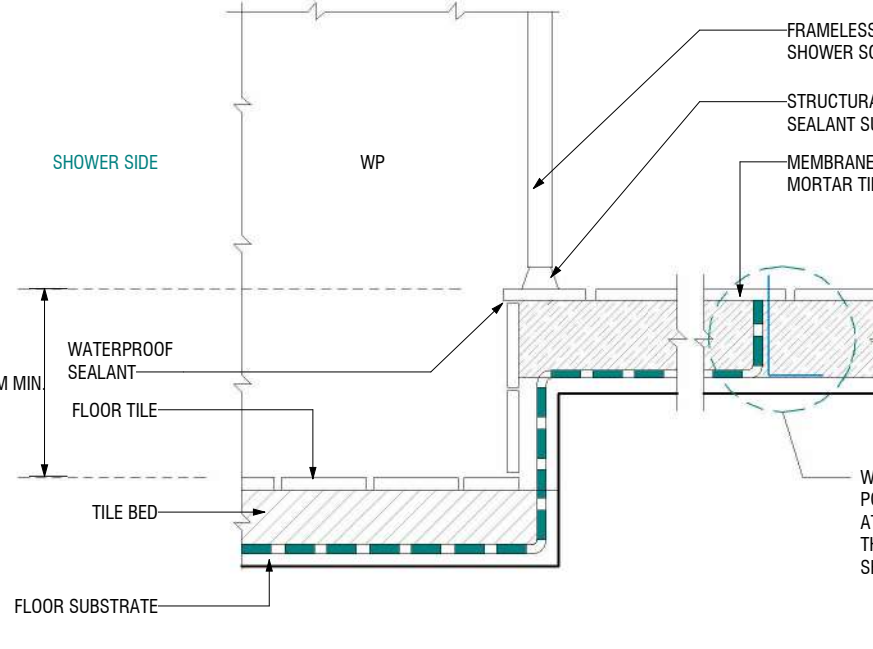


FIGURE 10.2.15D: TYPICAL UNENCLOSED STEPPED DOWN SHOWER CONSTRUCTION (MEMBRANE ABOVE TILE BED)

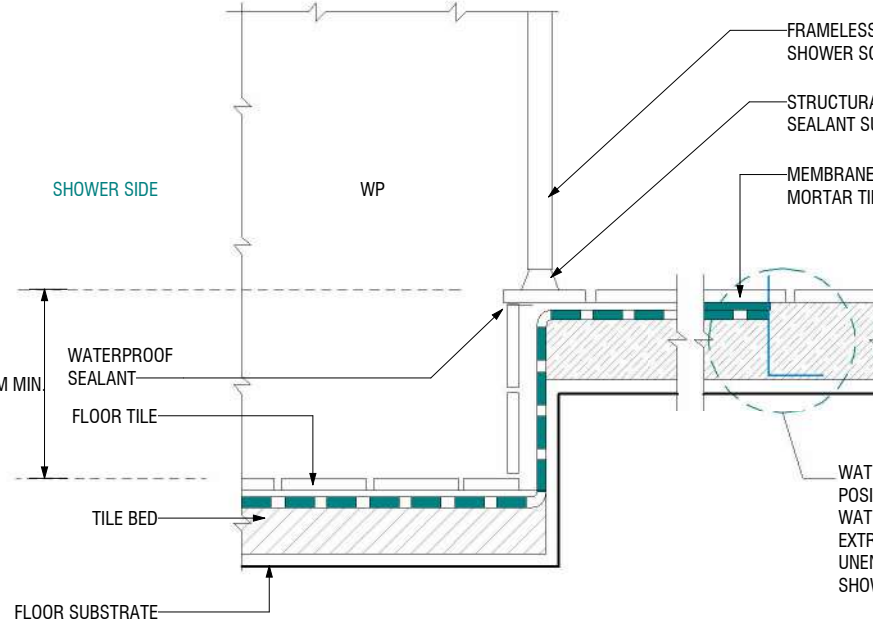


FIGURE 10.2.17: TYPICAL HOBLESS CONSTRUCTION

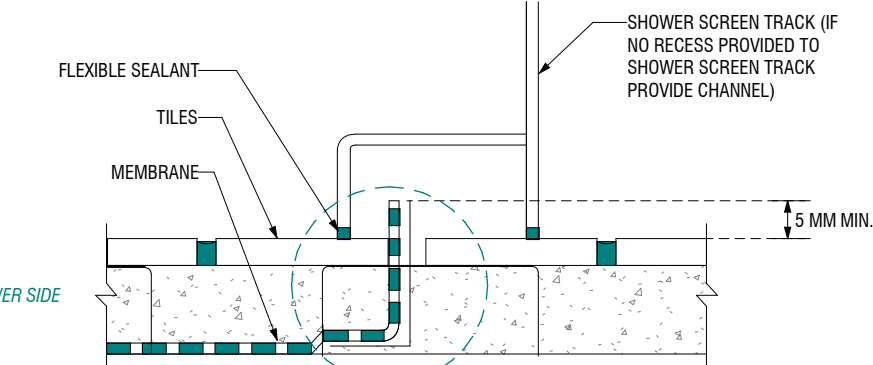
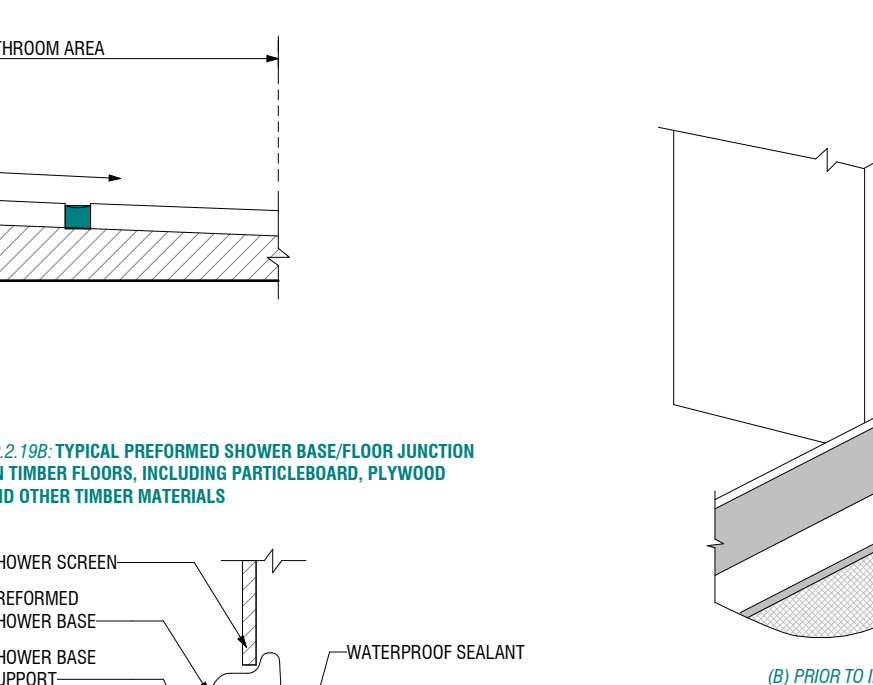
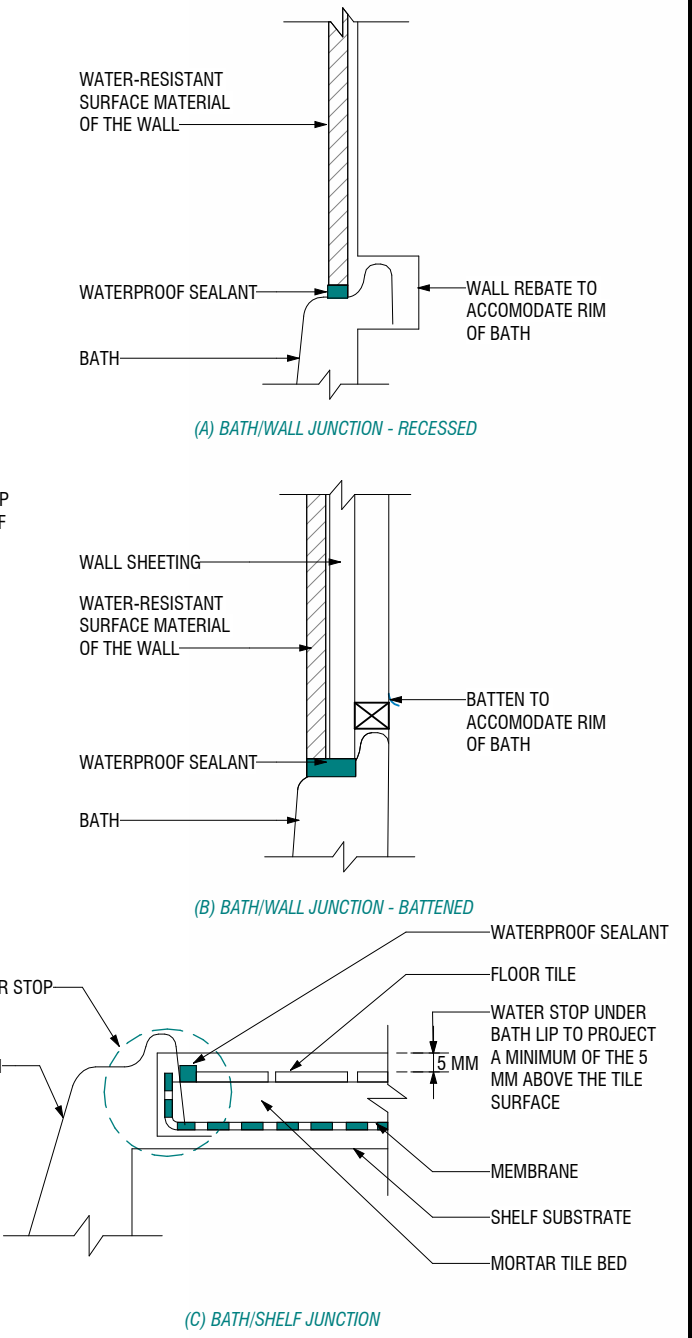


FIGURE 10.2.24: TYPICAL BATHROOM DOOR DETAILS FOR WHOLE BATHROOM WATERPROOFING



10.2.20: TYPICAL BATH JUNCTIONS



DESIGN: NA	OWNER:
CEILING: NA	
DRAWING TITLE: WATERPROOFING DETAILS	DRAWN:
0 1 2 3m SCALE As indicated (A2)	CHECKED:
This drawing is not to be scaled. Use figured dimensions only. All dimensions shall be checked by the client and builder before the fabrication of any building component or commencement of construction.	PROJECT N°:
	REV: A
	SHEET: