TRANSPORTABLE CABIN - 15m x 3.4m
600 CHILDOWLA RD, BOOKHAM, NSW - 2582

25233.04

GENERAL CONSTRUCTION NOTES

GC1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND WITH ALL OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
ANY STRUCTURAL DISCREPANCIES SHALL BE REFERRED TO MLEI QUEENSLAND, BEFORE PROCEEDING WITH THE WORK.
BUILDER - IF IN DOUBT .... ASK!

GC2. SETTING OUT DIMENSIONS AND SIZES OF STRUCTURAL MEMBERS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS. MLEI QUEENSLAND DRAWINGS ARE NOT TO BE SCALED.
NO RESPONSIBILITY WILL BE TAKEN BY MLEI QUEENSLAND FOR DIMENSIONS OBTAINED BY SCALING THE DRAWINGS.
SETTING OUT DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE OBTAINED BY THE BUILDER BEFORE CONSTRUCTION COMMENCES.
ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF SITE WORK SHALL BE VERIFIED ON SITE BY THE BUILDER BEFORE CONSTRUCTION AND FABRICATION ARE COMMENCED.

GC3. ANY DISCREPANCY ON THE DRAWINGS OR BETWEEN THE DRAWINGS, AND / OR THE SPECIFICATION, AND / OR THE SPECIFIED AUSTRALIAN STANDARD, SHALL BE REFERRED TO MLEI QUEENSLAND, AND A WRITTEN INSTRUCTION RECEIVED PRIOR TO PROCEEDING WITH THE WORK.
DURING TENDERING THE TENDER SHALL ASSUME THE LARGER / GREATER CRITERIA IN TERMS OF COST, IN THE ABSENCE OF OTHER INSTRUCTIONS.

GC4. THE BUILDER IS TO OBTAIN WRITTEN INSTRUCTION FOR VARIATIONS, ALTERNATIVE DETAILS OR WHERE DETAILS HAVE NOT BEEN INCLUDED WITHIN THE CURRENT DOCUMENTATION PRIOR TO PROCEEDING WITH THE BUILDING WORKS.

GC5. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT AUSTRALIAN STANDARDS INCLUDING ALL AMENDMENTS, NCC AND THE RELEVANT LOCAL AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION OR WRITTEN INSTRUCTION.

GC6. PROPRIETARY ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND SPECIFICATIONS.
ELEMENTS DESIGNED BY OTHERS SHALL BE INSPECTED AND CERTIFIED BY THE SAME AND SHALL NOT BE INCLUDED WITHIN THE STRUCTURAL CERTIFICATION BY MLEI QUEENSLAND.

GC7. DURING CONSTRUCTION, THE PROPOSED STRUCTURE, NEIGHBOURING STRUCTURES, BRACED WALLS AND ADJACENT SERVICES SHALL BE MAINTAINED IN A SAFE AND STABLE CONDITION AT ALL TIMES.
NO PART OF THE ABOVE SHALL BE OVER STRESSED AT ANY TIME.
TEMPORARY SUPPORT AND BRACING SHALL BE PROVIDED BY THE BUILDER AS REQUIRED TO KEEP THE WORKS + EXCAVATIONS STABLE AT ALL TIMES DURING CONSTRUCTION.

GC8. DRAINAGE OF SITE TO BE MAINTAINED THROUGHOUT CONSTRUCTION

GC9. THE BUILDER IS TO COORDINATE ALL SERVICES TO AVOID CLASHES WITH STRUCTURAL ELEMENTS DURING CONSTRUCTION.
ALL EXISTING SERVICES SHALL BE LOCATED PRIOR TO THE COMMENCEMENT OF WORKS.

GC10. NO PENETRATIONS, CORING OR CHASING OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS SHALL BE PERMITTED WITHIN THE STRUCTURAL ELEMENTS, WITHOUT PRIOR WRITTEN APPROVAL, IN WRITING FROM MLEI QUEENSLAND.

GC11. ALL DIMENSIONS INDICATED ARE IN MILLIMETRES (mm)
ALL LEVELS INDICATED ARE IN METRES (m)
TYPICAL ALL LOCATIONS + DRAWINGS - UNLESS NOTED OTHERWISE.

GC12. THE BUILDER IS TO PROVIDE PRIOR, AND REASONABLE NOTIFICATION PERIODS FOR ANY ENGINEERING INSPECTIONS REQUIRED FROM MLEI QUEENSLAND.
A MINIMUM PERIOD OF 24 HOURS WILL NORMALLY BE REQUIRED.

FOOTING NOTE

F.N1 SOIL TO BE CLASSIFIED PRIOR TO CONSTRUCTION OF FOOTINGS. CONTACT MLEI CONSULTING ENGINEERS ON RECEIPT OF SOIL TEST RESULTS.

SUBGRADE PREPARATION NOTES

FS1. THE SITE SHALL BE STRIPPED AND EXCAVATED TO THE LEVELS SHOWN ON THE RELEVANT DRAWINGS.

FS2. THE SITE SHALL BE STRIPPED OF ALL VEGETATION AND ANY SOFT SPOTS.
BACKFILL OR FILL UNDER SLABS AND / OR FOOTINGS TO BE PLACED IN 200mm MAXIMUM LAYERS AND COMPACTED TO 95% DRY DENSITY RATIO (STANDARD COMPACTION) FOR COHESIVE MATERIALS OR
70% RELATIVE DENSITY FOR NON COHESIVE MATERIALS.

FS3. ANY LOCAL "SOFT" ZONES ARE TO BE EXCAVATED AND COMPACTED TO ACHIEVE THE ABOVE REQUIREMENTS AND MUST BE RETESTED BY A GEOTECHNICAL ENGINEER ON COMPLETION.

FS4. SLAB ON GRADE PREPARATION NOTES ....
A LEVELLING SAND LAYER OF 50mm MINIMUM THICKNESS SHALL BE PLACED UNDER THE SLAB ON GROUND.
THE SAND SHALL BE SALT FREE AND COMPACTED TO 65% DENSITY INDEX.
A VAPOUR BARRIER MINIMUM 0.2mm (200um) POLYTHENE SHEETING TO AS.2870 - 1996 SHALL BE PLACED BENEATH THE SLAB ON GROUND AND ASSOCIATED THICKENINGS IN ITS ENTIRETY

FS5. FILL SHALL BE APPROVED INERT GRANULAR MATERIAL, PLACED AND COMPACTED IN MAXIMUM 200mm LAYERS TO ATTAIN LEVEL 1 CERTIFICATION.

PROJECT LOADS

PL1. THE STRUCTURE SHOWN HAS BEEN DESIGNED FOR THE FOLLOWING DESIGN LOADS ....

LIVE LOADS	DISTRIBUTED	CONCENTRATED
FLOORS	1.50 KPa	1.80 kN
STAIRS	2.00 KPa	2.70 kN
BALCONIES	2.00 KPa	1.80 kN
ROOF	0.25 kPa	1.10 kN

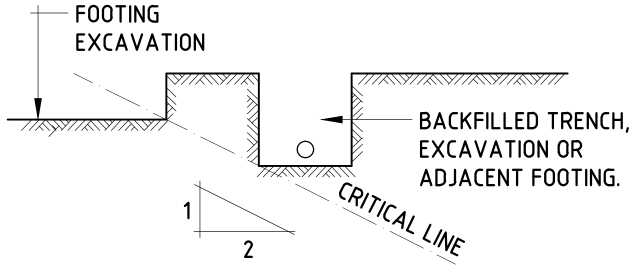
FOUNDATION NOTES

FF1. THE FOOTING DESIGN HAS BEEN BASED ON THE ASSUMPTION THAT THE FOUNDING MATERIAL SATISFIES THE MINIMUM BEARING CAPACITY NOMINATED ON RELEVANT MLEI QUEENSLAND DRAWINGS. FURTHERMORE, THE PROPOSED LOCATION OF THE STRUCTURE IS NOT SUBJECT TO POSSIBLE GEOTECHNICAL OR OTHER SLOPE INSTABILITY PROBLEMS.

FF2. ALL LOOSE MATERIALS + WATER TO BE CLEANED OUT OF THE FOUNDATION.
FORMWORK TO BE USED WHERE THE SIDES OF THE FOUNDATION ARE NOT DEEMED STABLE.

FF3. FOOTINGS SHALL BE TYPICALLY LOCATED CENTRALLY UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.

FF4. UNLESS OTHERWISE APPROVED, IN WRITING, BY MLEI QUEENSLAND. A GUIDE TO THE LIMITATIONS OF EXCAVATIONS NEAR FOOTINGS TO BE AS FOLLOWS...



EXCAVATION NEAR EXISTING FOOTINGS SHALL NOT EXTEND BELOW FOUNDATION LEVEL WITHOUT THE APPROVAL, IN WRITING, FROM MLEI QUEENSLAND.

FF5. THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING ANY EXCAVATION IN A STABLE CONDITION WITHOUT ADVERSELY AFFECTING SURROUNDING PROPERTIES ALSO INCLUDING ANY SERVICES. THIS INCLUDES OBTAINING ALL NECESSARY APPROVALS FOR SHORING AND ANCHORING SYSTEMS. THE BUILDER SHALL BE RESPONSIBLE FOR DETERMINING AND LOCATING ALL EXISTING UNDERGROUND SERVICES PRIOR TO ANY EXCAVATION COMMENCING.

FF6. DEPTHS SPECIFIED FOR FOOTINGS ARE MINIMUM DIMENSIONS ONLY. GREATER DEPTH MAY BE NECESSARY TO ACHIEVE SPECIFIED FOUNDING BASE.

FF7. IF ON INSPECTION, THE MATERIAL UNDERLYING THE SITE IS EXPANSIVE CLAY, PRECAUTIONS ARE TO BE TAKEN TO AVOID MOISTURE VARIATIONS.....
1. AVOID LANDSCAPE PLANTING CLOSE TO FOOTINGS.
2. PROMPT REPAIR OF LEAKING SERVICES.
3. FINISHED LEVELS SHALL ENSURE SURFACE WATER CAN NOT POND AGAINST FOOTING

NOTE
ALL FOOTINGS SHALL BE FOUNDED INTO GROUND WITH A SAFE ALLOWABLE BEARING CAPACITY OF 100kPa MINIMUM ..... U.N.O.

DRAWING NUMBER	DRAWING TITLE
NOTES	
S1.01	CONSTRUCTION NOTES - SHEET 1
S1.02	CONSTRUCTION NOTES - SHEET 2
S1.03	CONSTRUCTION NOTES - SHEET 3
ARCHITECTURAL	
S2.01	FLOOR PLAN & ELEVATIONS
SKID FRAME	
S3.01	FRAMING PLAN
S3.91	CONNECTIONS DETAILS - SHEET 1
S4.01	SKID BASE FOOTINGS & SECTION
LIFTING	
S5.01	LIFTING DETAILS

REVISION

ISSUE	DATE	DESCRIPTION	INITIAL
0	02.05.25	FIRST ISSUE - CONSTRUCTION	IL
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-	-	-	-
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-	-	-	-
-	-	-	-

FIRST ISSUE
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mlei
CONSULTING ENGINEERS
Suite 326, Level 2, Building 3 - Lakehouse Offices
34-36 Glenferrie Drive, Robina, Queensland - 4226
(07) 5578 8088 info@mlei.com.au mlei.com.au

PROJECT
600 CHILDOWLA ROAD,
BOOKHAM, NSW - 2582

CLIENT
NALLA PORTABLES
info@nallaportables.com.au
1300 889 434

DRAWING TITLE
CONSTRUCTION NOTES

DO NOT SCALE FROM THIS DRAWING

DRAFTER	ENGINEER	MANAGER
IL	IL	NL

DATE	PROJECT NUMBER	DRAWING SCALE
02.05.2025	**25233.04**	AS INDICATED

DRAWING NUMBER	SHEET SIZE	REV
S1.01	A3	0

STRUCTURAL STEELWORK NOTES

SG1. ALL MATERIALS, WORKMANSHIP, FABRICATION AND ERECTION SHALL COMPLY WITH THE REQUIREMENTS OF AS 4100, AS / NZ 4600, AS 1554 EXCEPT WHERE VARIED BY CONTRACT DOCUMENTS.
AS 4600 COLD FORMED STEEL STRUCTURES CODE AND AS1554.1 WELDING OF STEEL STRUCTURES.

SG2. ALL STEEL SHALL COMPLY WITH THE FOLLOWING U.N.O. :

A.	WELDED SECTION	GRADE 300 TO AS / NZS 3679.2
B.	ROLLED SECTION	GRADE 300 TO AS/NZS 3679.1
C.	SHS AND RHS	GRADE 350/GRADE 450 TO AS 1163
	CHS	GRADE 250/GRADE 350 TO AS 1163
D.	FLAT PLATE	GRADE 300 TO AS / NZS 3679.1
	STANDARD PLATE	GRADE 250 TO AS / NZS 3678

SG3. BOLTS SHALL BE AS FOLLOWS :
A 4.6/S – COMMERCIAL BOLTS TO AS 1111 AND AS 1112
SNUG TIGHTENED
B 8.8/S – HIGH STRENGTH STRUCTURAL BOLTS TO AS/NZS 1252
SNUG TIGHTENED ONLY
C 8.8/TF & 8.8/TB – HIGH STRENGTH STRUCTURAL BOLTS TO AS/NZS1252
FULLY TENSIONED

SG4. ALL WELDS TO BE 'GP' (GENERAL PURPOSE) IN ACCORDANCE WITH AS 1554 – U.N.O
ALL BUTT WELDS TO BE 'S.P' (SPECIAL PURPOSE) FULL STRENGTH COMPLETE PENETRATION WELDS TO AS 1554.
ALL ELECTRODES SHALL BE CLASS E48.

SG5. ALL EXTERNALLY EXPOSED BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANISED – U.N.O.

SG6. THE FABRICATION AND ERECTION OF THE STRUCTURAL STEELWORK SHALL SUPERVISED BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH SUPERVISION TO ENSURE THAT ALL REQUIREMENTS OF THE DESIGN ARE MET.
THE BUILDER SHALL PROVIDE AND LEAVE IN PLACE UNTIL PERMANENT BRACING ELEMENTS ARE CONSTRUCTED, SUCH TEMPORARY BRACING AS NECESSARY TO STABILISE THE STRUCTURE DURING CONSTRUCTION.

SG7. SUBSTITUTIONS FOR STEEL SECTIONS SHOWN ON STRUCTURAL DRAWINGS, SHALL NOT BE MADE WITHOUT THE WRITTEN APPROVAL OF MLEI QUEENSLAND.

SG8. THE BUILDER + FABRICATOR SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL, TIMBER AND OTHER ELEMENTS TO STEEL WHETHER OR NOT DETAILED ON THE STRUCTURAL DRAWINGS.

SG9. ALL STEELWORK THAT WILL BE EXPOSED TO VIEW SHALL HAVE WELD SPLATTER, FLUX, DAGS AND BURRS REMOVED AND ALL SEALING AND BUTT WELDS GROUND FLUSH PRIOR TO SURFACE PREPARATION AND COATING.

SG10. THE ENDS OF ALL TUBULAR MEMBERS ARE TO BE SEALED WITH NOMINAL THICKNESS PLATES AND 3mm CONTINUOUS FILLET WELDED – U.N.O

SG11. ALL FULLY SEALED HOLLOW OR BOX SECTIONS CONTAINING TOTALLY ENCLOSED AREAS MUST BE VENTED NEAR EACH END WHEN THE MEMBER IS TO BE GALVANISED.
THE MINIMUM DIAMETER OF THE VENT HOLES IS TO BE 25% OF THE INTERNAL DIAMETER OR DIAGONAL DIMENSION FOR SECTIONS UP TO 150mm FOR LARGER MEMBERS VENTING DETAILS SHALL BE PROVIDED BY THE GALVANISER FOR THE APPROVAL OF MLEI QUEENSLAND ONLINE, PRIOR TO THE GALVANISING PROCESS.

SG12. FOR GALVANISED STEEL WORK:
FOLLOWING SITE WELDING POWER WIRE BRUSH AND COLD GALVANISE ALL STEELWORK.

SG13. FOR NON-GALVANISED STEEL WORK:
STEEL SHALL BE POWER WIRE BRUSHED AND PAINTED WITH ZINC RICH PRIMER AND AN APPROVED FINISH COAT.

SG14. PROPRIETARY ITEMS (E.G. PURLINS, ROOF/WALL SHEETING, BOLTS .. ETC) TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS DETAILS.

SG15. CONCRETE ENCASED STEELWORK SHALL NOT BE PAINTED, TO BE FREE FROM ALL LOOSE RUST, LOOSE MILL SCALE, DIRT, OIL AND GREASE ETC AND THE ENCASEMENT CONCRETE STRENGTH TO BE MINIMUM 25 MPa AND 65mm COVER. CONCRETE ENCASING TO BE CENTRALLY REINFORCED WITH 5mm WIRE TO AS 1303 OR 6mm STRUCTURAL GRADE BARS TO AS 1302 AT 150mm MAXIMUM PITCH.

PROTECTIVE COATINGS FOR STEELWORK

ENVIRONMENT	LOCATION	MINIMUM PROTECTIVE COATING	
		GENERAL STRUCTURAL STEEL MEMBERS	LINTELS IN MASONRY
WITHIN 1km FROM BREAKING SURF OR WITHIN 100m OF SALT WATER NOT SUBJECT TO BREAKING SURF OR HEAVY INDUSTRIAL AREA	INTERNAL	OPTION 1 2 COATS ALKYD PRIMER OPTION 2 2 COATS ALKYD GLOSS	
	EXTERNAL	OPTION 1 INORGANIC ZINC PRIMER PLUS 2 COATS VINYL GLOSS FINISHING COATS OPTION 2 HOT DIP GALVANISE 300g/m^2 MINIMUM OPTION 3 HOT DIP GALVANISE 100g/m^2 PLUS OR (A) 2 COATS SOLVENT BASED VINYL PRIMER (B) 2 COATS VINYL GLOSS OR ALKYD	HOT DIP GALVANISE 600g/m^2 MINIMUM

NOTE:

1. WHERE A PAINT FINISH IS APPLIED, THE SURFACE OF THE STEELWORK MUST BE CLEANED TO REMOVE ANY RUST IMMEDIATELY PRIOR TO PAINTING.
2. ALL ZINC COATINGS (INCLUDING ORGANIC ZINC) REQUIRE A BARRIER COAT TO STOP CONVENTIONAL DOMESTIC ENAMELS FROM PEELING.
3. REFER TO THE PAINT MANUFACTURER WHERE DECORATIVE FINISHES ARE REQUIRED ON TOP OF THE MINIMUM COATING SPECIFIED IN THE TABLE FOR PROTECTION OF THE STEEL AGAINST CORROSION.
4. THE OUTER LEAF AND CAVITY OF AN EXTERNAL MASONRY WALL OF A BUILDING, INCLUDING WALLS UNDER OPEN CARPORTS ARE CONSIDERED TO BE EXTERNAL ENVIRONMENTS.
A PART OF AN INTERNAL LEAF OF AN EXTERNAL MASONRY WALL WHICH IS LOCATED IN THE ROOF SPACE IS CONSIDERED AN INTERNAL ENVIRONMENT.

REVISION

ISSUE	DATE	DESCRIPTION	INITIAL
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FIRST ISSUE
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mlei
CONSULTING ENGINEERS
Suite 326, Level 2, Building 3 - Lakehouse Offices
34-36 Glenferrie Drive, Robina, Queensland - 4226
(07) 5578 8088 info@mlei.com.au mlei.com.au

PROJECT
600 CHILDOWLA ROAD,
BOOKHAM, NSW - 2582

CLIENT
NALLA PORTABLES
info@nallaportables.com.au
1300 889 434

DRAWING TITLE
CONSTRUCTION NOTES

DO NOT SCALE FROM THIS DRAWING

DRAFTER	ENGINEER	MANAGER
IL	IL	NL

DATE	PROJECT NUMBER	DRAWING SCALE
02.05.2025	**25233.04**	AS INDICATED

DRAWING NUMBER	SHEET SIZE	REV
S1.02	A3	0

SAFETY IN DESIGN NOTES:

SID1. MLEI CONSULTING ENGINEERS HAVE CONDUCTED A PRELIMINARY SAFETY IN DESIGN REVIEW OF THE DESIGN ON THESE DRAWINGS. IT IS SUMMARIZED IN THE NOTES BELOW. THE REVIEW IS BASED GENERALLY ON THE PROCEDURE OUTLINED IN THE SAFE WORK AUSTRALIA PUBLICATION "SAFE DESIGN OF STRUCTURE CODE OF PRACTICE".

SID2. THE DESIGN HAS NOT BEEN REVIEWED WITH CONTRACTOR/BUILDER AT THE TIME OF ISSUE FOR TENDER OR CONSTRUCTION. CONSTRUCTION METHODS VARY BETWEEN CONTRACTORS, SO IT IS NOT POSSIBLE FOR MLEI CONSULTING ENGINEERS TO PERFORM AN EXHAUSTIVE SAFETY IN DESIGN OR SAFETY IN CONSTRUCTION REVIEW. ONCE APPOINTED, THE CONTRACTOR IS REQUIRED TO UNDERTAKE A THOROUGH REVIEW OF THE DESIGN WITH THEIR SUBCONTRACTORS TO IDENTIFY SAFETY RISKS DURING CONSTRUCTION AND DURING THE LIFE OF THE BUILDING.

SID3. THE SAFETY RISK MITIGATION ITEMS BELOW ARE BASED ON MLEI'S DESIGN OFFICE EXPERIENCE AND DO NOT NECESSARILY ACCOUNT FOR ALL CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION SAFETY RISKS BASED ON INFORMATION WHEN THIS DRAWING WAS MADE IN ITS CAPACITY AS DESIGNER ONLY. MLEI HAS TRIED TO IDENTIFY SAFETY RISKS PERTAINING TO CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION PHASES OF THE ASSET. INCLUSION (OR NOT) OF ANY ITEM DOES NOT REDUCE OR LIMIT OBLIGATIONS OF CONSTRUCTOR, USER, MAINTAINER AND DEMOLISHER TO UNDERTAKE APPROPRIATE RISK MANAGEMENT ACTIVITIES TO REDUCE RISK AND IS NOT AN ADMISSION BY MLEI THAT INCLUSION OF ANY ITEM IS THE DESIGNER'S RESPONSIBILITY.

SID4. CONSTRUCT BUILDING ELEMENTS THAT CONTRIBUTE TO SAFETY SUCH AS HAND RAILS AND TOE BOARDS, FALL ARREST SYSTEMS, etc. AS EARLY AS POSSIBLE.

SID5. PROVIDE SAFETY BARRIERS AT EDGES OF OPENINGS AND ELEVATED AREAS.

SID6. REVIEW ADEQUACY OF WORKING SPACE AVAILABLE FOR CONSTRUCTION ACTIVITIES. ENSURE SEPARATION OF PLANT AND PERSONNEL ON SITE, INCLUDING MOVEMENTS OF BOTH.

SID7. LOCATE LIFTING SLEW AND LAY DOWN AREAS AWAY FROM REGULAR CONSTRUCTION TRAFFIC.

SID8. PROVIDE PROTECTION OF PERSONNEL FROM PLANT AND EQUIPMENT, INCLUDING POST-TENSIONED GROUND ANCHOR INSTALLATION WORKS.

SID9. ENSURE ISOLATION SAFE SYSTEMS OF WORK OR PROTECTIVE MEASURES ARE INSTALLED BEFORE WORKING NEAR LIVE ELECTRICAL INFRASTRUCTURE. PROVIDE PROTECTION OF ELECTRICAL OVERHEAD WIRING SYSTEMS DURING CONSTRUCTION.

SID10. WRITTEN RISK ASSESSMENTS ARE ADVISED FOR ACCESS TO OPEN EXCAVATIONS.

SID11. PROVIDE ACCESS AND EGRESS TO EXCAVATIONS APPROPRIATE IN CASE OF INUNDATION, COLLAPSE AND ENGULFMENT.

SID12. LOCATE STOCKPILES AND HEAVY EQUIPMENT INCLUDING CRANES AWAY FROM BURIED SERVICES AND BUILDING BOUNDARIES WHERE ADJACENT BASEMENTS ARE PRESENT.

SID13. SEEK ADVICE FROM SUITABLY QUALIFIED GEOTECHNICAL OR STRUCTURAL ENGINEER PRIOR TO OPERATION OF HEAVY SURFACE PLANT AND EQUIPMENT OR STOCKPILING MATERIAL NEAR OPEN EXCAVATIONS OR EXISTING RETAINING STRUCTURES.

SID14. DO NOT STOCKPILE MATERIALS BEHIND OR EXCAVATE IN FRONT OF EXISTING RETAINING WALLS UNTIL WALL STABILITY HAS BEEN REVIEWED BY SUITABLY QUALIFIED STRUCTURAL ENGINEER.

SID15. SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER BEFORE LAYING SERVICES BELOW EXISTING FOOTING LEVELS.

SID16. HAVE LOAD CAPACITY OF STRUCTURES VERIFIED BY SUITABLY QUALIFIED STRUCTURAL ENGINEER BEFORE LOADING OF STRONG MATERIALS ON EXISTING OR PARTIALLY COMPLETED STRUCTURAL ELEMENTS.

SID17. SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER IF PLANNING CRANE LIFTS OR HOIST INSTALLATION OF PARTIALLY ERECTED OR SUSPENDED STRUCTURES.

SID18. SEEK ADVICE FROM SUITABLY QUALIFIED STRUCTURAL ENGINEER BEFORE CORING, CHASING, CUTTING OR REMOVAL OF EXISTING CONCRETE AND REINFORCEMENT.

SID19. HAVE SUITABLY QUALIFIED STRUCTURAL ENGINEER UNDERTAKE STRUCTURAL CHECK OF EXISTING CONCRETE, MASONRY AND STUD WALLS WHERE FIXINGS OR EQUIPMENT IS TO BE ATTACHED.

SID20. INSTRUCT SERVICES CONTRACTORS UNDER NO CIRCUMSTANCES CAN STRUCTURAL MEMBERS BE CUT, NOTCHED OR DRILLED TO ACCOMMODATE NEW SERVICES.

SID21. ESTABLISH LOCATIONS OF LIVE EMBEDDED SERVICES BEFORE CUTTING THROUGH SLABS, etc.

SID22. DEVELOP STEELWORK/PRECAST/TILT UP INSTALLATION SAFE WORK METHOD STATEMENT TO ELIMINATE AND MINIMIZE INSTALLATION RISKS, AND HAVE REVIEWED BY SUITABLY QUALIFIED STRUCTURAL ENGINEER.

SID23. DO NOT CUT OR UNBOLT ANY STRUCTURAL MEMBERS WITHOUT SEEKING REVIEW BY SUITABLY QUALIFIED STRUCTURAL ENGINEER.

SID24. PROVIDE BUCKLING STABILITY TO LONG SPAN BEAMS, TRUSSES etc DURING ERECTION. IF UNSURE CHECK WITH SUITABLY QUALIFIED STRUCTURAL ENGINEER PRIOR TO LIFTING AND INSTALLATION.

SID25. MINIMIZE SITE BASED TREATMENTS (eg WELDING, CUTTING, SPRAY PAINTING, GRIT BLASTING, etc.). PROVIDE ADEQUATE PROTECTION, SCREENING AND VENTILATION TO MINIMIZE HAZARDS TO PERSONNEL IF SITE BASED TREATMENT IS UNAVOIDABLE.

SID26. TRY TO AVOID WORKING IN CONFINED SPACES. IF CONFINED SPACES WORK CAN'T BE AVOIDED, PROVIDE A SAFE WORK METHOD STATEMENT ADDRESSING MITIGATION OF RISKS. PROVIDE ADEQUATE SIGNAGE TO TEMPORARY AND PERMANENT CONFINED SPACES TO AS2865.

SID27. AVOID HOT WORKS ON SITE, PARTICULARLY IN TIMBER FRAMED STRUCTURES. HOT WORKS TO COMPLY WITH CLIENT PROCEDURES FOR APPLICATION "HOT WORKS PERMITS".

SID28. SOME SITES IN AUSTRALIA AND EXTENSIVE REGIONS OF SE ASIA CONTAIN UNEXPOSED ORDNANCE (UXO) IN THE GROUND. UNDERTAKE DESKTOP REVIEWS FOR THE LIKELIHOOD OF UXO'S BEFORE COMMENCING ANY GROUND INVESTIGATION OR EXCAVATION IN THESE AREA'S. SHOULD EVIDENCE INDICATE POTENTIAL UXO PRESENCE, DO NOT COMMENCE GROUND WORKS UNTIL ENGAGING A SPECIALIST CONSULTANT WHO CAN HELP DEFINE ANY FUTURE CLEARANCE TASKS.

SID29. DETERMINE APPROPRIATE METHOD OF PAINT REMOVAL AND DISPOSAL BEFORE STRIPPING PAINT, PARTICULARLY ON HISTORIC STRUCTURES COATINGS CONTAINING COAL TAR EPOXIES, BITUMENS AND ASPHALTS, ZINC CHROMATE AND LEAD PRESENT A HEALTH RISK. PROVIDE SCREENING TO PUBLIC AND ENVIRONMENT FOR PAINT REMOVAL AND CLEANING OPERATIONS. USE ENVIRONMENTALLY APPROPRIATE RESTORATION METHODS DURING MAINTENANCE AND REPAIR WORK.

SID30. MAKE WORK AREAS SAFE WHERE STRUCTURAL ELEMENTS ARE DAMAGED, CRACKED OR HAVE SUFFERED SIGNIFICANT SECTION LOSS BEFORE ALLOWING GENERAL CONSTRUCTION OR REPAIR ACCESS.

SID31. REPORT SIGNIFICANT SECTION LOSS OR CORROSION FLAKING BEFORE STARTING PAINTING OR REPAIRS. CONSULT SUITABLY QUALIFIED STRUCTURAL ENGINEER IF SECTION LOSS OR EXTENSIVE CORROSION FLAKING PRESENT BEFORE PROCEEDING WITH WORK.

SID32. DEVELOP AND IMPLEMENT RISK MITIGATION STRATEGIES BEFORE ALLOWING ACCESS OVER SUSPENDED CLADDING FINISHES THAT MAY BECOME BRITTLE OVER TIME.

SID33. REPORT LOOSE OR MISSING BOLTS etc. IN CONNECTIONS ENCOUNTERED DURING DAY TO DAY OPERATIONS.

SID34. REMOVE MATERIAL FROM STORAGE STRUCTURES BEFORE UNDERTAKING MAINTENANCE WORKS.

SID35. BEWARE OF UNDERGROUND SERVICES. THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR LOCATION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

SID36. THIS DRAWING IS OWNED BY, AND REMAINS THE PROPERTY OF MLEI CONSULTING ENGINEERS. REPRODUCTION OR USE OF THIS DRAWING WITHOUT PERMISSION IS ILLEGAL.THE CLIENT IS LICENSED TO USE THIS DRAWING FOR THE WORKS SPECIFICATION THIS SITE.

REVISION

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mlei
CONSULTING ENGINEERS
Suite 326, Level 2, Building 3 - Lakehouse Offices
34-36 Glenferrie Drive, Robina, Queensland - 4226
(07) 5578 8088 info@mlei.com.au mlei.com.au

PROJECT
600 CHILDOWLA ROAD,
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CLIENT
NALLA PORTABLES
info@nallaportables.com.au
1300 889 434

DRAWING TITLE
CONSTRUCTION NOTES

DO NOT SCALE FROM THIS DRAWING

DRAFTER: IL
ENGINEER: IL
MANAGER: NL
DATE: 02.05.2025
PROJECT NUMBER: **25233.04**
DRAWING SCALE: AS INDICATED
DRAWING NUMBER: **S1.03**
SHEET SIZE: A3
REV: 0

[redacted]

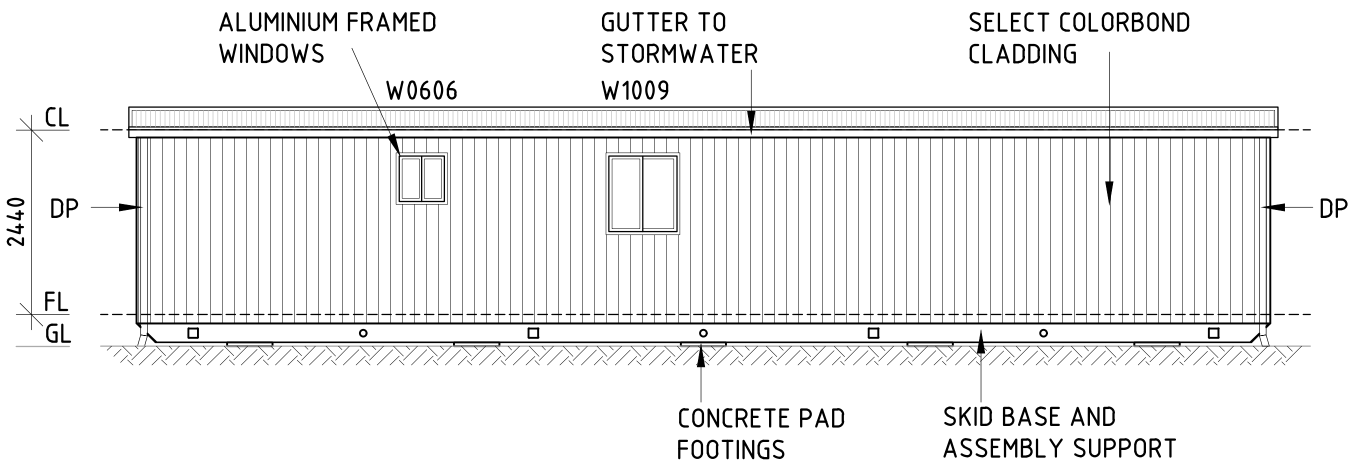
LEGEND

DP - DOWNPIPE
NCC - NATIONAL CONSTRUCTION CODE

WINDOW AND DOOR SCHEDULE

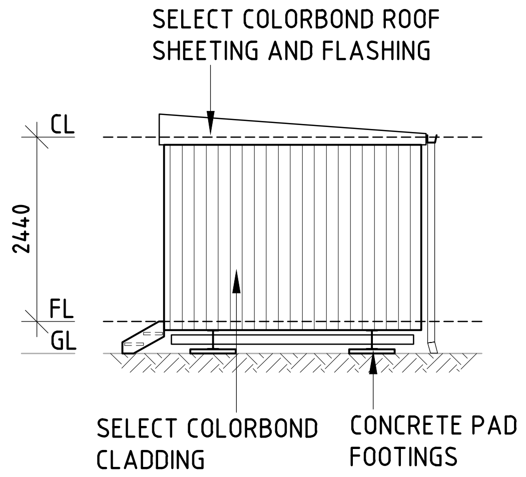
W0606 - 600 D x 610 W ALUMINIUM FRAMED WINDOW
W1009 - 1030 D X 910 W ALUMINIUM FRAMED WINDOW
W1212 - 1200 D x 1210 W ALUMINIUM FRAMED WINDOW

SD2118 - 2100 D x 1800 W ALUMINIUM FRAMED SLIDING DOOR
D1 - SELECT INTERNAL DOOR



ELEVATION - A

1:100



ELEVATION - C

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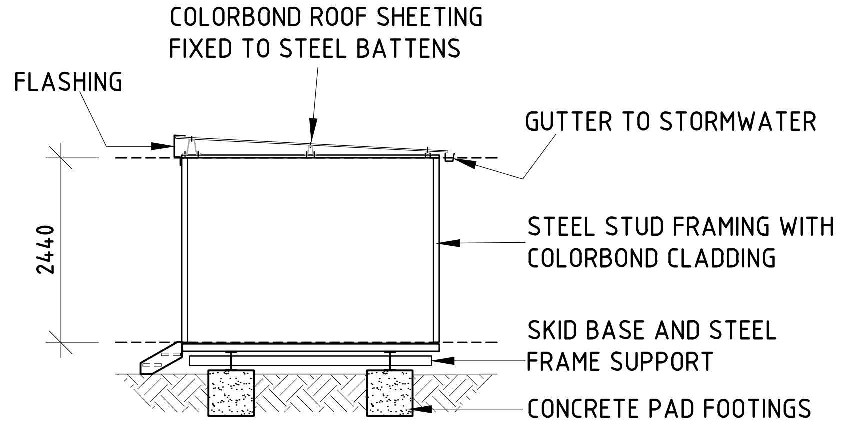

TYPICAL CROSS SECTION

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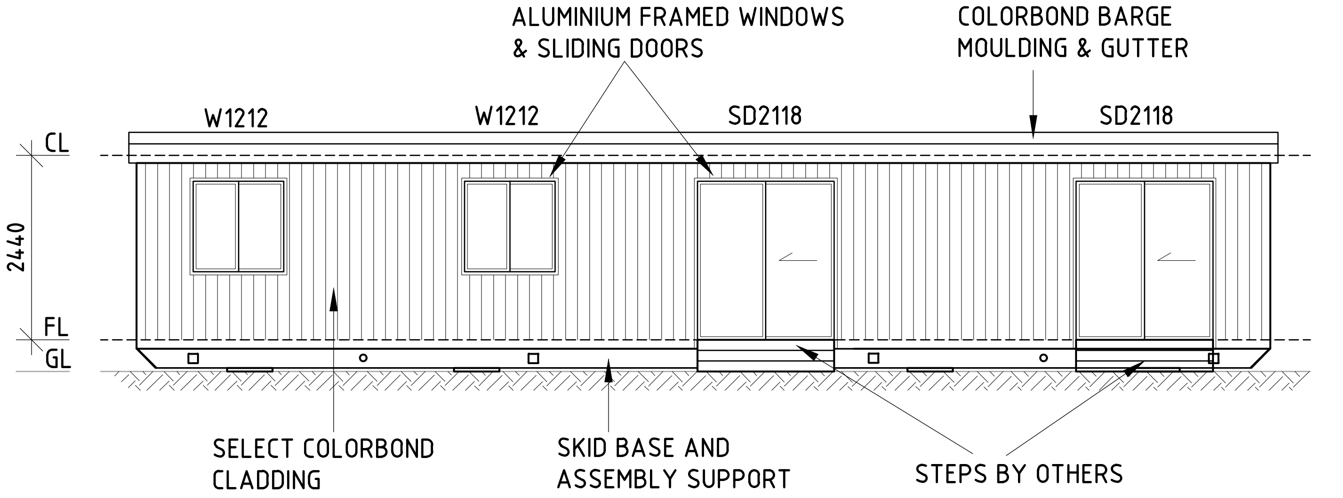
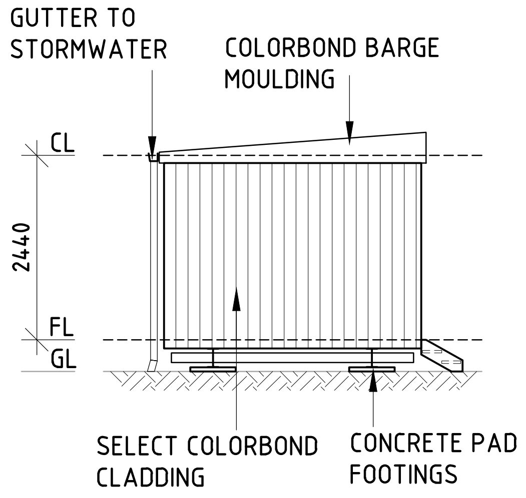


ELEVATION - B

1:100



ELEVATION - D

1:100

REVISION

ISSUE	DATE	DESCRIPTION	INITIAL
0	02.05.25	FIRST ISSUE - CONSTRUCTION	IL
-	-	-	-
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mlei
CONSULTING ENGINEERS
Suite 326, Level 2, Building 3 - Lakehouse Offices
34-36 Glenferrie Drive, Robina, Queensland - 4226
(07) 5578 8088 info@mlei.com.au mlei.com.au

PROJECT
600 CHILDOWLA ROAD,
BOOKHAM, NSW - 2582

CLIENT
NALLA PORTABLES
info@nallaportables.com.au
1300 889 434

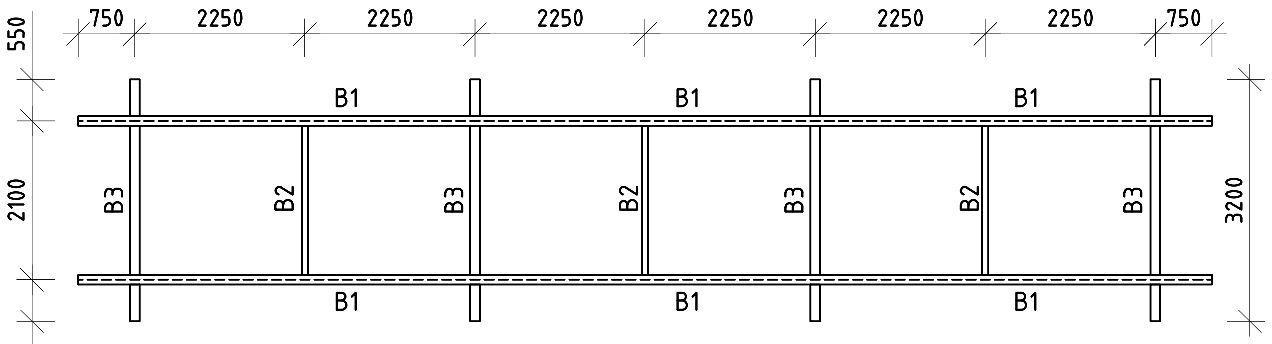
DRAWING TITLE
FLOOR PLAN & ELEVATIONS

DO NOT SCALE FROM THIS DRAWING

DRAFTER	ENGINEER	MANAGER
IL	IL	NL

DATE	PROJECT NUMBER	DRAWING SCALE
02.05.2025	**25233.04**	AS INDICATED

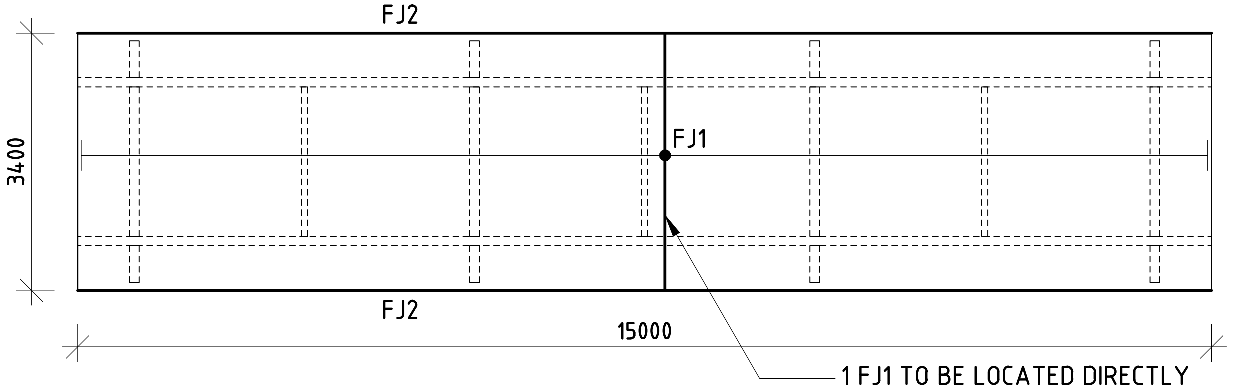
DRAWING NUMBER	SHEET SIZE	REV
S2.01	A3	0



SKID BASE FRAMING PLAN

1:100

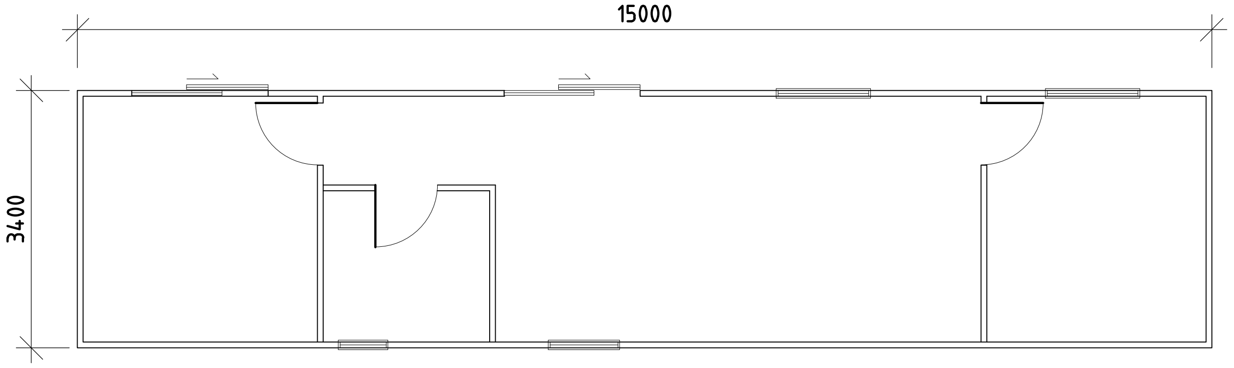
WHERE SIDE LIFT POINTS ARE NOT REQUIRED B2 MAY BE SUBSTITUTED FOR B3



1 FJ1 TO BE LOCATED DIRECTLY UNDER INTERNAL BRACING WALLS AND FIXED AS PER BRACING DETAIL

FLOOR FRAMING PLAN

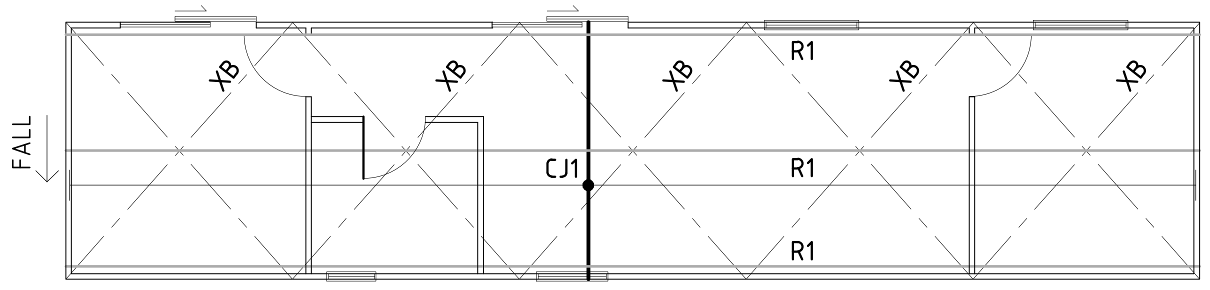
1:100



WALL FRAMING PLAN

1:100

1 CJ1 TO BE LOCATED DIRECTLY OVER ALL INTERNAL BRACING WALLS AND FIXED AS PER BRACING DETAIL



ROOF FRAMING PLAN

1:100

CEILING JOISTS CJ1
FABRICATED INTO CEILING PANELS PRIOR TO ASSEMBLY
BRIDGING TO BE INSTALLED AT MAX 1200 CRS.

MEMBERS:

B1 – 250 UB 25.7
B2 – 89 x 4.0 CHS
B3 – 125 x 5.0 SHS
B4 – NOT USED
B5 – 100 x 5.0 SHS INSERT TO B3
CJ1 – 75 x 1.0 TRUECORE – 600
FJ1 – C10019 FLOOR JOISTS – 450
FJ2 – NC10019 NESTING CHANNEL
P1 – 600 SQ. CONCRETE PAD FOOTING – 600 DEEP
R1 – TOPHATS OF VARYING SIZE TO ACHIEVE FALL – 1200CRS MAX
XB – 30 x 0.8 GI BRACING STRAP

FRAMING:

STUD – 75 1.0 TRUECORE
NOGGING – 72 1.0 TRUECORE
PLATE – 78 1.0 TRUECORE
BRACES – 72 1.0 TRUECORE

WALL STUD FRAMING SHALL BE 450crs THROUGHOUT ALL FRAMING JOINTS TO BE CRIMPED 2 M6 TEK SCREWS

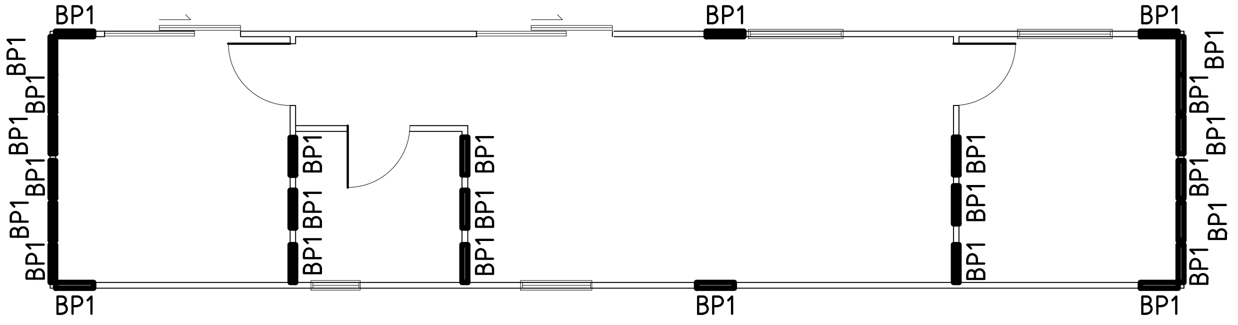
SUITABLE FOR WIND LOADS TO AS4055 – N3

PROVIDE TRUSS LINTELS OVER OPENINGS.

WALL BRACING SHALL BE NESTED SECTIONS TO WALL FRAMES AS INDICATED ON BRACING PLAN & DETAIL.

ROOF OF THIS BUILDING HAS BEEN DESIGNED AS A NON TRAFFICABLE ROOF WITH A LIVE LOAD OF 0.25kPa TO AS1170.1 (NOT TO BE USED WITH SOLAR PANELS)

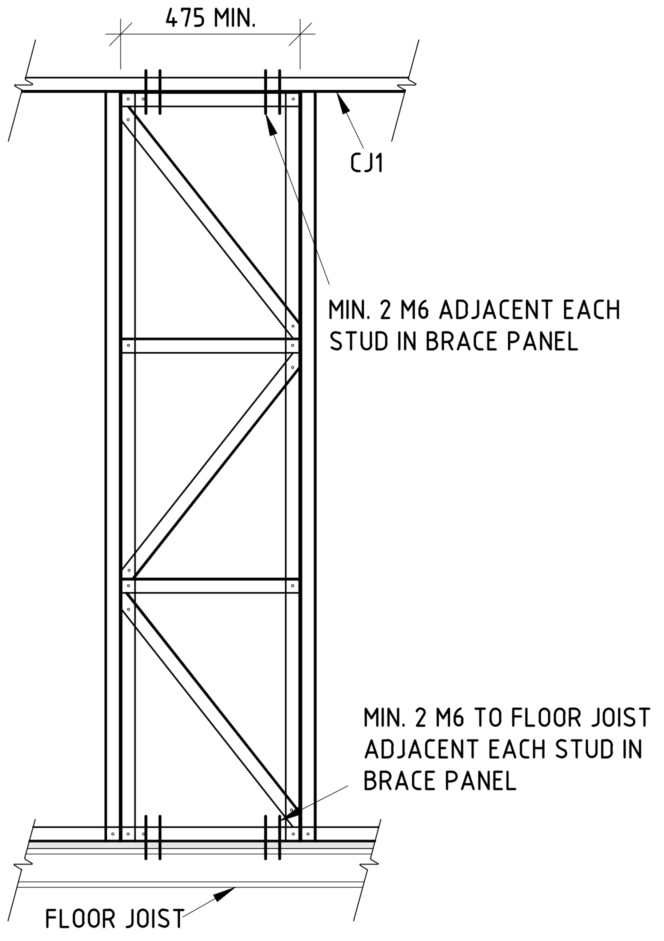
FOR ASSEMBLY DETAIL SEE SEPARATE DETAIL SHEETS



BRACING PLAN

1:100

BP1 DENOTES BRACING PANEL
REFER DETAIL



BP1 DETAIL (VERTICAL CLADDING)

1:20

REVISION

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CONSULTING ENGINEERS
Suite 326, Level 2, Building 3 - Lakehouse Offices
34-36 Glenferrie Drive, Robina, Queensland - 4226
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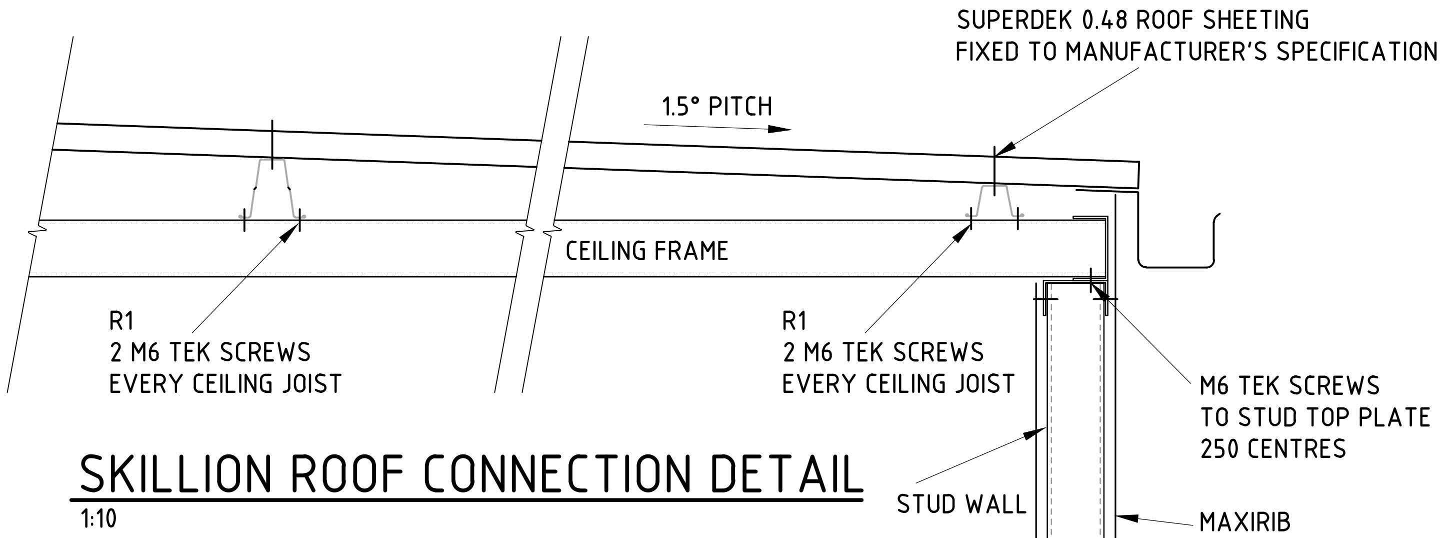
PROJECT
600 CHILDOWLA ROAD,
BOOKHAM, NSW - 2582

CLIENT
NALLA PORTABLES
info@nallaportables.com.au
1300 889 434

DRAWING TITLE
FRAMING PLAN

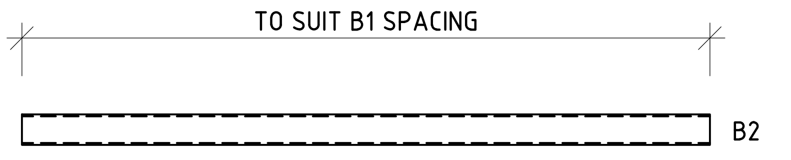
DO NOT SCALE FROM THIS DRAWING

DRAFTER	ENGINEER	MANAGER
IL	IL	NL
DATE	PROJECT NUMBER	DRAWING SCALE
02.05.2025	25233.04	AS INDICATED
DRAWING NUMBER	SHEET SIZE	REV
S3.01	A3	0



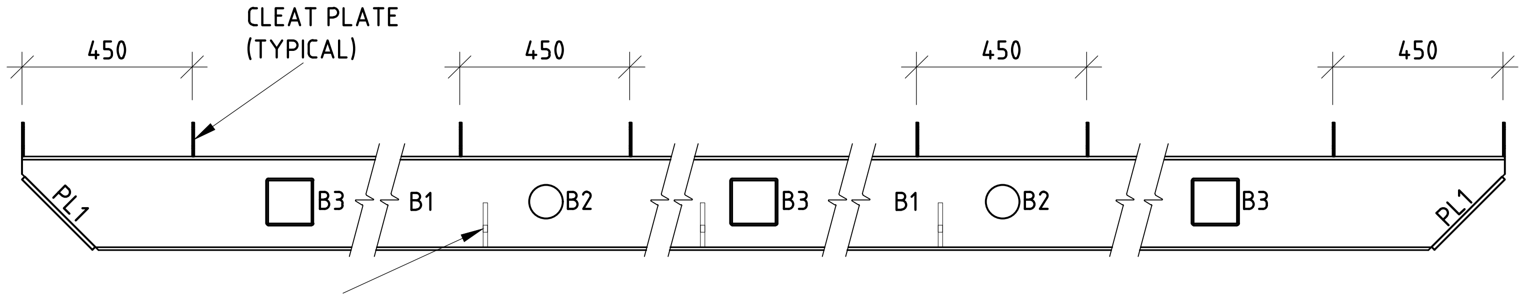
SKILLION ROOF CONNECTION DETAIL

1:10



BRACING STRUT (B2)

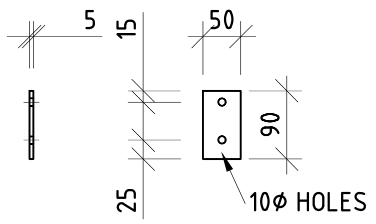
1:20



12 THICK 70 x 120 CLEAT PLATE, 6 CFW TO B1
AT THE PAD FOOTING. REFER DRAWING S4.01
FOR CLEAT DETAIL AND LOCATION.
PRE-DRILL HOLE FOR 1 M16 SNUG-TIGHT
GALVANISED BOLT.

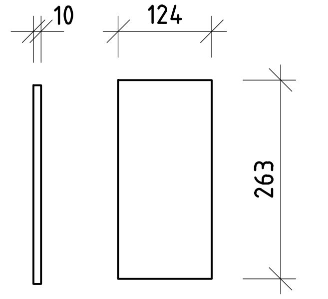
SKID BASE ASSEMBLY

1:20



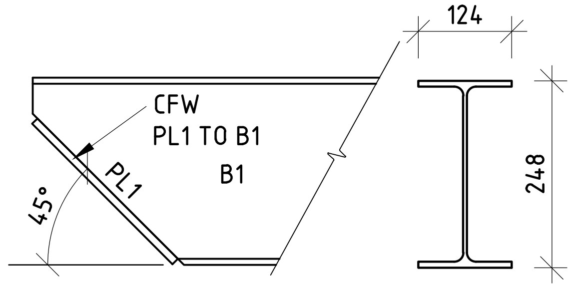
CLEAT PLATE

1:10



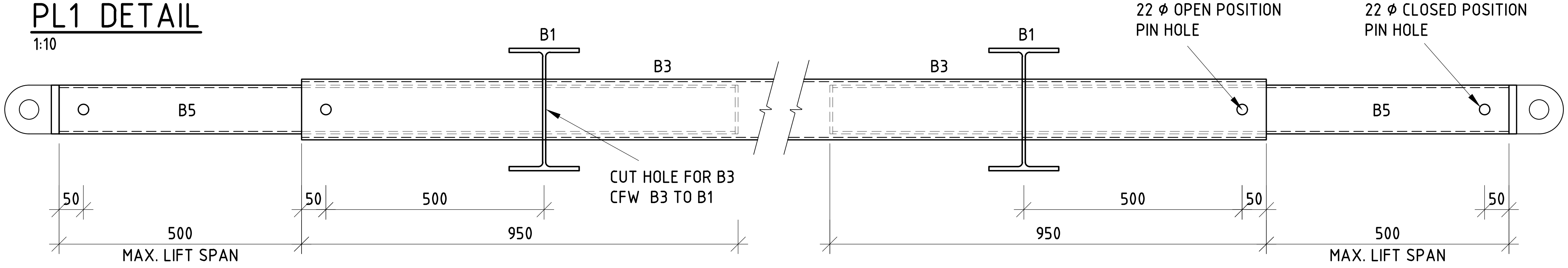
PL1 DETAIL

1:10



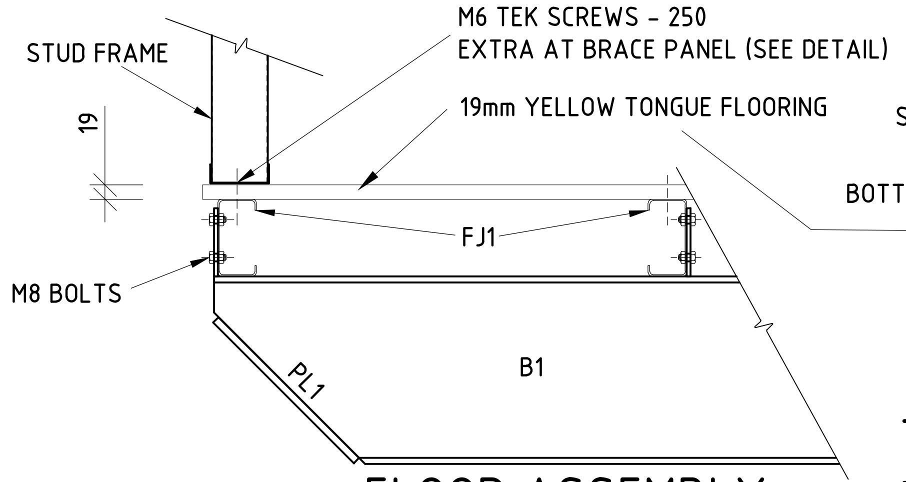
250UB 25.7 (B1)

1:10



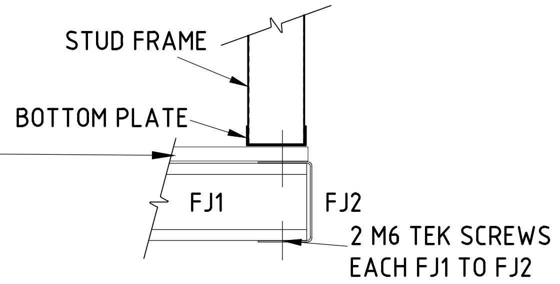
125 x 5.0 SHS (B3) SLEEVE DETAIL

1:10



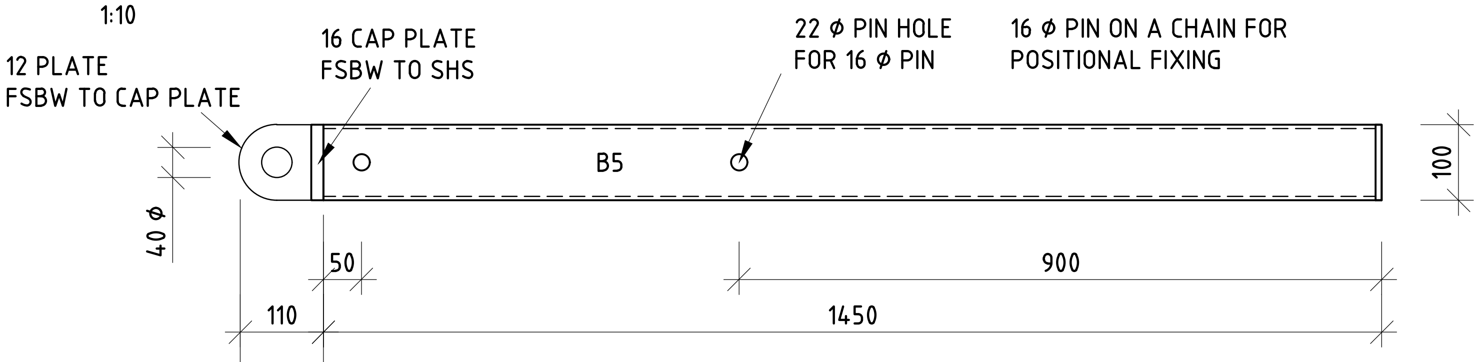
FLOOR ASSEMBLY

1:10



BOTTOM PLATE TO JOIST

1:10



100 x 5.0 SHS (B5) LIFTING ARM

1:10

SLEEVE INSERT TO B3

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CONSULTING ENGINEERS
Suite 326, Level 2, Building 3 - Lakehouse Offices
34-36 Glenferrie Drive, Robina, Queensland - 4226
(07) 5578 8088 info@mlei.com.au mlei.com.au

PROJECT
**600 CHILDOWLA ROAD,
BOOKHAM, NSW - 2582**

CLIENT
NALLA PORTABLES
info@nallaportables.com.au
1300 889 434

DRAWING TITLE
CONNECTIONS DETAILS - SHEET 1

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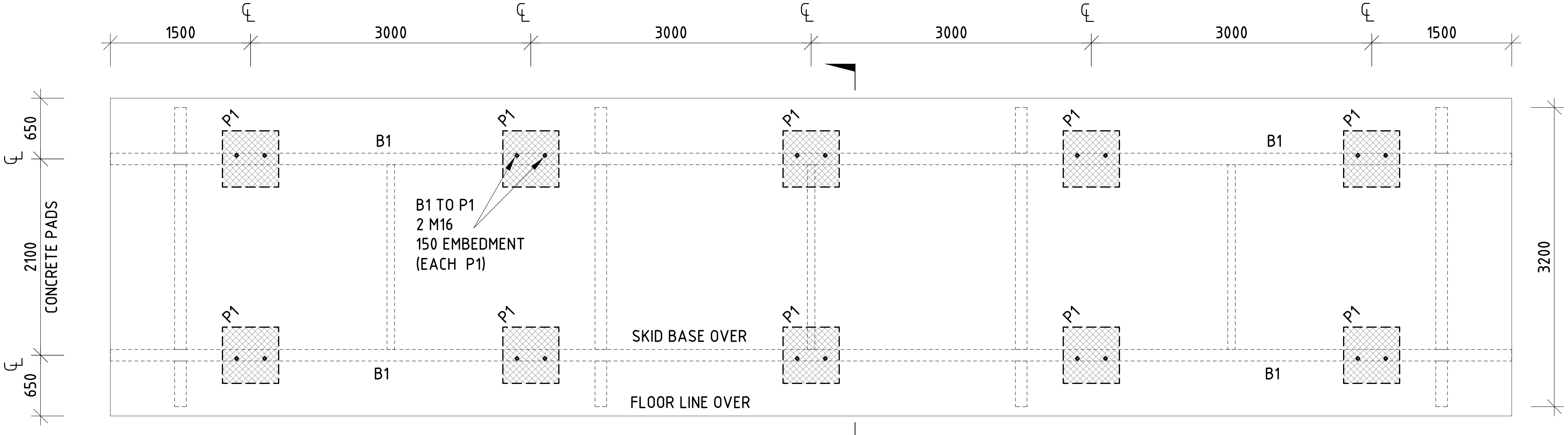
DRAFTER	ENGINEER	MANAGER
IL	IL	NL

DATE	PROJECT NUMBER	DRAWING SCALE
02.05.2025	25233.04	AS INDICATED

DRAWING NUMBER	SHEET SIZE	REV
S3.91	A3	0



SKID BASE ASSEMBLY SUPPORT

1:50

FOOTING NOTE:
PIERED FOOTINGS SHOWN ARE SUITABLE ONLY FOR SOILS CLASS A, S, M TO AS2870.
SOILS ON BUILDING SITES OUTSIDE THIS CLASSIFICATION REQUIRE SPECIFIC ENGINEERING DESIGN

GENERAL NOTES:

G1. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART SHALL BE OVERSTRESSED UNDER CONSTRUCTION ACTIVITIES.

G2. DRAWINGS SHALL NOT BE SCALED FOR ANY FABRICATION OR ERECTION DETAILS.

G3. AT SETOUT, DIAGONALS MUST BE CAREFULLY CHECKED TO ENSURE BUILDING IS SQUARE.

G4. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS HAS BEEN DESIGNED FOR THE FOLLOWING LIVE LOAD;

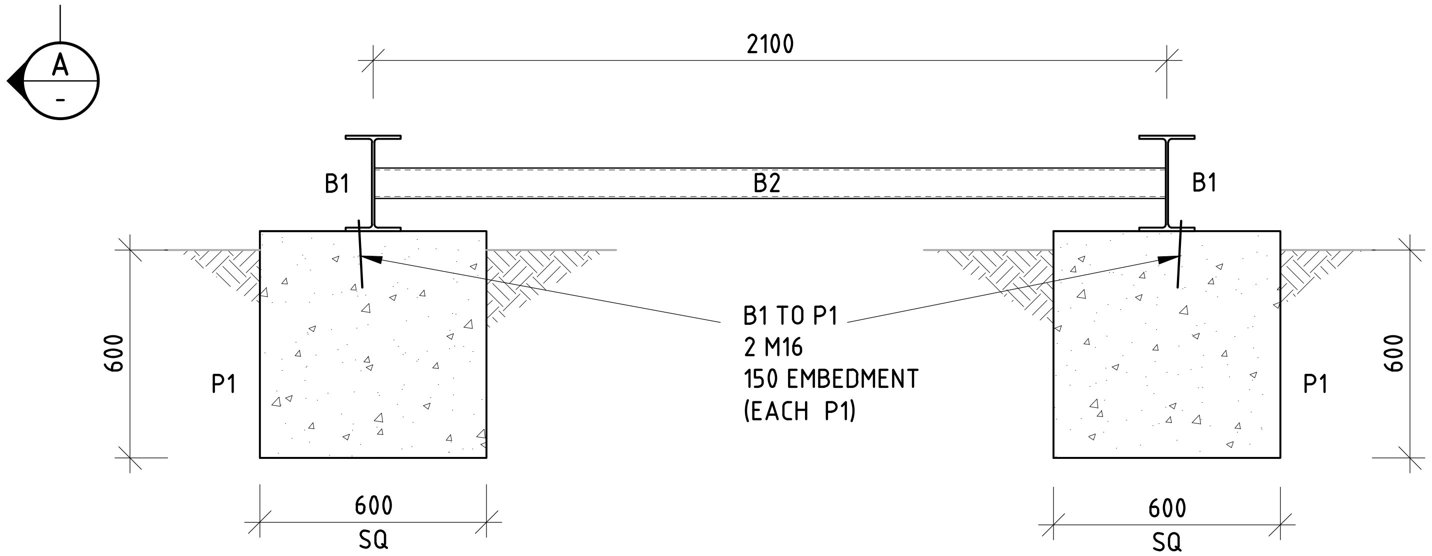
AREA	LIVE LOAD (KPa)
FLOORS	1.5
BALCONIES/DECKS	2.0

G5. ALL CONCRETE WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600.

G6. CONCRETE STRENGTH;
20 MPa - PIERS

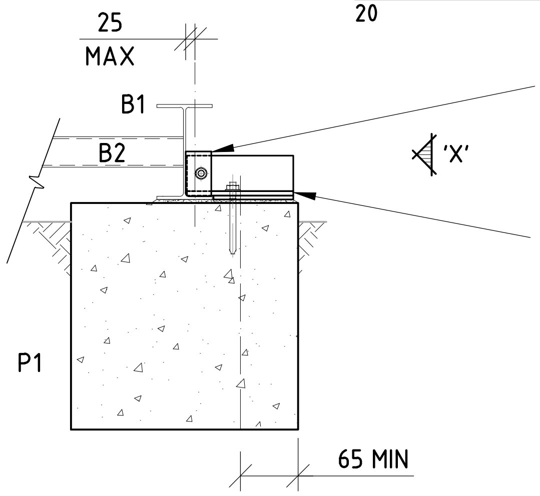
G7. CONCRETE TO HAVE A MAX SLUMP OF 80mm AND MAX. 20mm AGGREGATE.

G8. DRAINAGE OF SITE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.



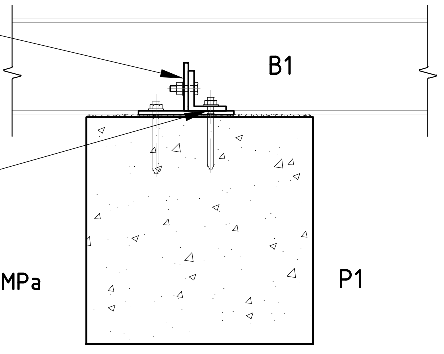
SECTION A

20



12 THICK 70 x 120 CLEAT 6 CFW TO B1.
1 M16 SNUG-TIGHT GALVANISED BOLT

12mm THICK 100 EQUAL ANGLE - 280mm LENGHT
10mm THICK 210x250 PLATE 6FW TO THE EQUAL ANGLE
2.M16 CHEMICAL ANCHORS - CHEMSET REO 502 OR SIMILAR APPROVED
DRILL AND EPOXY MINIMUM 125mm INTO FOOTING
NOMINAL 20mm NON-SHRINK GROUT PACK AS REQUIRED - 20 MPa
MINIMUM FOOTING EDGE DISTANCE TO BOLT - 65mm



B1 TO P1 ALTERNATIVE CONNECTION

1:20

VIEW 'X'

REVISION			
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mlei
CONSULTING ENGINEERS
Suite 326, Level 2, Building 3 - Lakehouse Offices
34-36 Glenferrie Drive, Robina, Queensland - 4226
(07) 5578 8088 info@mlei.com.au mlei.com.au

PROJECT
600 CHILDOWLA ROAD,
BOOKHAM, NSW - 2582

CLIENT
NALLA PORTABLES
info@nallaportables.com.au
1300 889 434

DRAWING TITLE
SKID BASE FOOTINGS & SECTION

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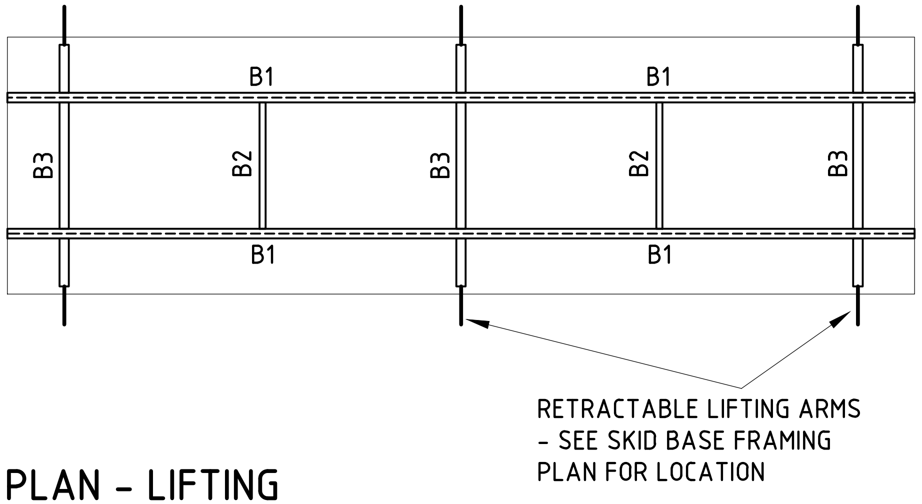
IL	IL	NL
DATE	PROJECT NUMBER	DRAWING SCALE
02.05.2025	25233.04	AS INDICATED
DRAWING NUMBER	SHEET SIZE	REV
S4.01	A3	0



PLAN – LIFTING
1:100

LIFTING NOTES:

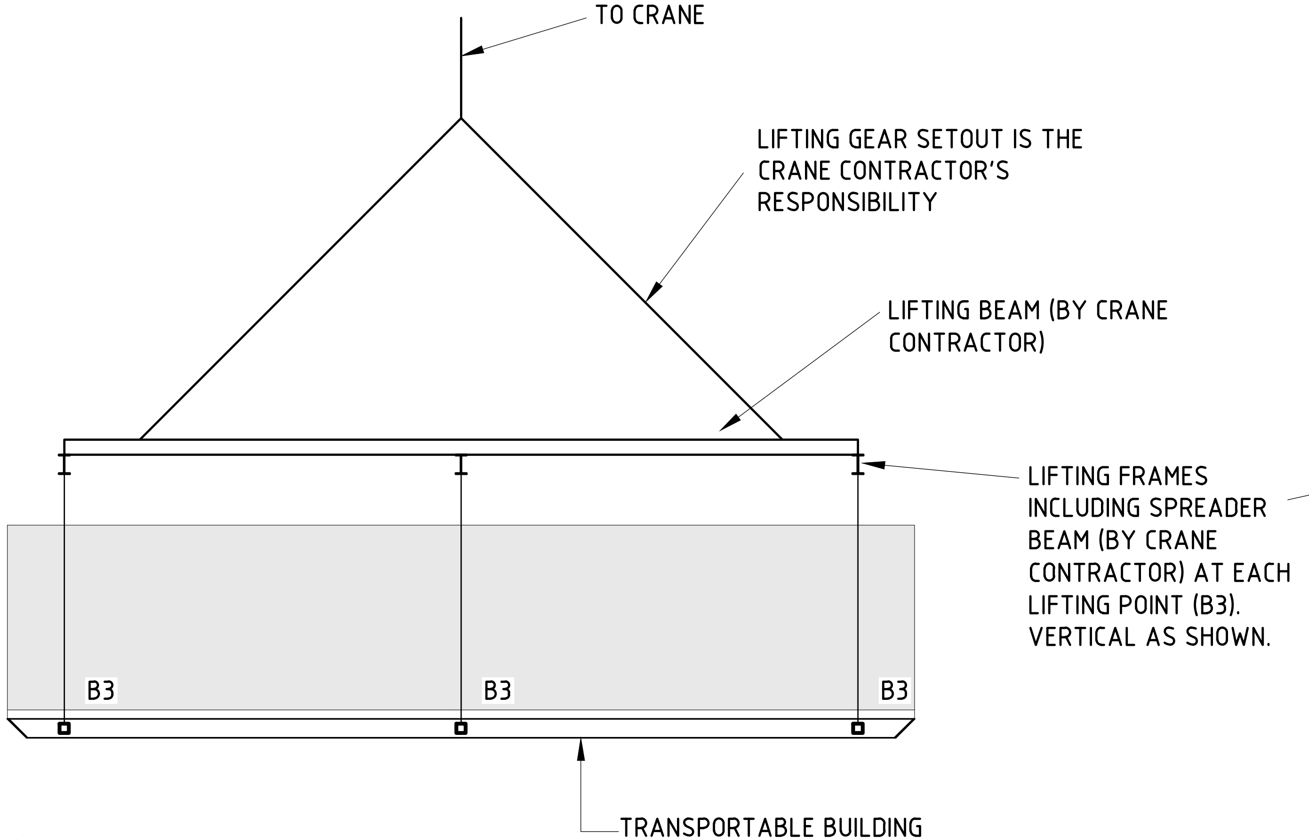
1. UN-FACTORED SELF WEIGHT TO BE CHECKED PRIOR LIFTING.

2. BUILDER TO ENSURE THAT THE LIFTING METHOD SHOWN ON THIS DRAWING IS EXECUTED CORRECTLY ON SITE. MLEI TAKES NO RESPONSIBILITY FOR DAMAGE TO PROPERTY, LOSS OF LIFE OR ANY OTHER ISSUES IF THE LIFTING HAS NOT BEEN DONE IN ACCORDANCE WITH THIS DRAWING.

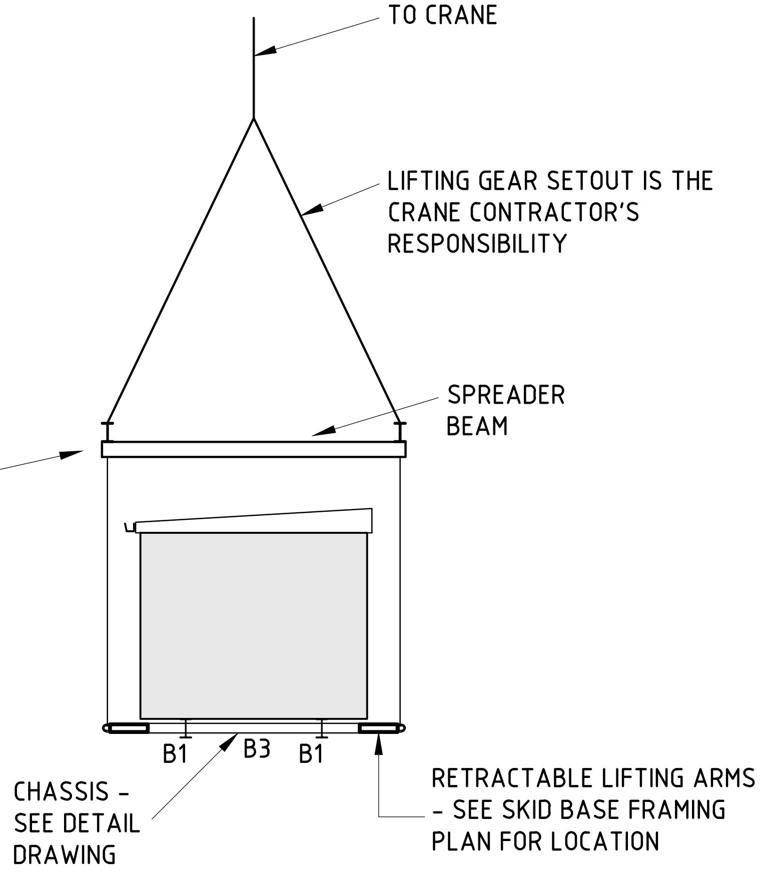
3. SELECTION OF LIFTING RIG AND EQUIPMENT BY OTHERS – TO MATCH THE LAYOUT SHOWN ON THIS DRAWING.

4. MLEI TO BE CONTACTED WITH ANY ISSUES PRIOR TO LIFTING.

5. LIFTING OF THE UNIT REFERRED TO IN THESE DRAWINGS BY MLEI SHALL BE THE RESPONSIBILITY OF THE CRANE AND FABRICATION CONTRACTORS.



SIDE ELEVATION – LIFTING
1:100



END ELEVATION – LIFTING
1:100

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DRAWING TITLE
LIFTING DETAILS

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IL	IL	NL

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S5.01	A3	0