CPCCBC4012B
READ AND INTERPRET PLANS AND SPECIFICATIONS

PRACTICAL ASSESSMENT INSTRUCTIONS

- The following practical assessment will require the Participant to complete work related activities.
- The Assessor will conduct observations of the Participant's work to determine whether they display sufficient practical skills and knowledge.
- Please fill in the details below – providing your name, signature and date of assessment.
  - The Participant's signature acknowledges that the Assessor provided clear instructions and the Participant understood what was required to complete this assessment.
- The Assessor may substitute a Practical Task with an alternate task of equal value.
  - Alternate tasks must be fully documented by the assessor in the Assessor Comments area.

Participant name: Melanie Johnston

Participant signature: Melanie Johnston

Date: Click here to enter a date. 25/6/20.

Assessor name:

Assessor signature:

Date: Click here to enter a date.

Task	Task outcome (Tick)	
	Satisfactory	Not Yet Satisfactory
Task 1 (Occasion 1)	☐	☐
Task 1 (Occasion 2)	☐	☐

ASSESSOR COMMENTS

CPCCBC4012B
READ AND INTERPRET PLANS AND SPECIFICATIONS

Practical Task 1 (2X)

Description of task:
On two (2) occasions, a suitable observer is to verify the participant's ability to read and interpret plans and specifications in order to inform estimation, planning and supervisory activities.

The participant is to gather evidence of how they have completed each component of the Practical Task, which is to be submitted with this Practical Assessment sheet. Evidence to be submitted may include:

- Any drawing with a cloud or mark-up you have inserted.
- Copy of the correspondence regarding mark up and any site management/authorising engineer response.

The observer is to provide detailed comments on the tasks completed by the participant. The assessor is to verify the observer's comments in the Assessor Comments section, and provide the Practical Assessment outcome on the front cover of this document.

Resources required:
Drawings (including site plan), Specifications, Tender documentation, Telephone, Facsimile machine, Computer.

Assessment of task

Name of participant:	Melanie Johnston
Name of observer:	Ross Matthews
Role of observer (Confirm suitability to sign)	Site Engineer
Email address of observer	Ross-matthews@rnajv.com
Signature of observer:	
Date:	Click here to enter a date. 25/6/20

When completing the task, did the participant:	**Tick if satisfactorily completed. Provide comments if left unticked.** 1st Occasion	2nd Occasion
1 Interpret drawings		
1.1A. Identify purpose and advantage of different types of drawings.	☑	☑
1.1B. Identify different aspects of drawings.	☑	☑
1.1C. Identify, understand and apply: • Commonly used symbols and abbreviations • Common building and construction terms on drawings	☑	☑
1.1D. Identify building site from location drawings.	☑	☑
1.1E. Identify on the site plan: • True north • Building orientation • Key features in relation to building and other structures • Levels • Contours • Service entry points • Site features to be removed or retained	☑	☑

1.1F.	Identify key features of plans, elevations and sections.	☑	☑
1.1G.	Identify client requested variations to standard plans on drawings.	☑	☑
	2 Interpret specifications		
1.2A.	Identify and correctly apply Provisional Sum (PS) and Prime Cost (PC) values.	☑	☑
1.2B.	Identify and confirm customer variations to standard specifications and communicate changes to organisational personnel.	☑	☑
1.2C.	Apply and communicate correct interpretations of essential elements to estimation, planning and supervisory tasks (including labour hours/costs and material quantities/costs).	☑	☑
1.2D.	Identify Building Codes or standards affecting the work to be undertaken (including references to Australian Standards and the National Construction Code).	☑	☑
1.2E.	Identify key features of products included in the specification, including the design, purpose, aesthetics and cost relationships.	☑	☑
	3 Communicate with others		
1.3A.	Consult with industry professionals, clients, organisational personnel and appropriate local authorities.	☑	☑
1.3B.	Effectively communicate using the following methods: • Verbally using language/concepts appropriate to cultural differences • Non-verbal communication • Using technology (including telephone, facsimile, email)	☑	☑

The Participant's performance was: ☑ **Satisfactory** ☐ **Not Satisfactory**

OBSERVER COMMENTS

INDICATES WALL TIE LOCATION. IF WALL TIE ISN'T POSSIBLE USE RAKER OR "F" TIE INSTEAD.

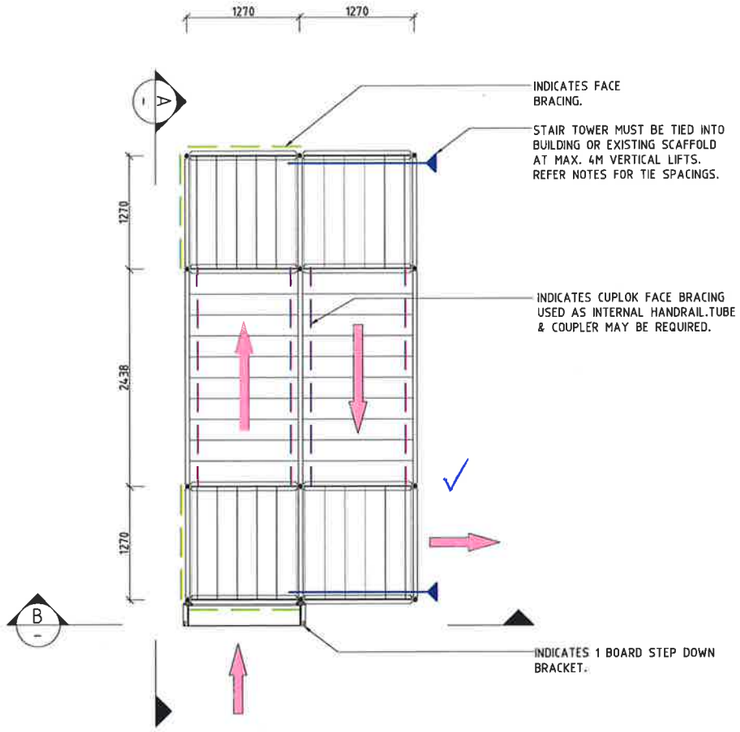
FOR ALL TYPICAL TIE AND SCAFFOLD DETAILS REFER TO DWG. 200020-23

SCAFFOLD STAIR MUST NOT FREE STAND AT ANYTIME.

FOR ALL DETAILS REFER TO DWG. 200020-25

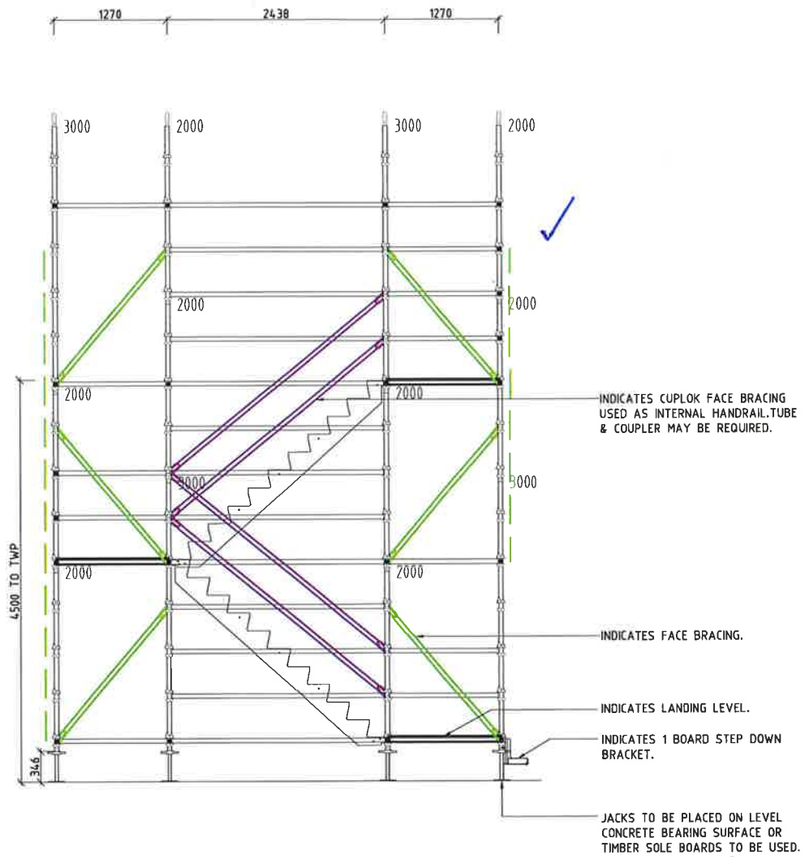
HEIGHT SUITABLE FOR HEADSTOCK FORMWORK DECK ON PIERS 2, 3 & 4

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J.Trickett
Date: 10/02/20 Ref #: JT20-527



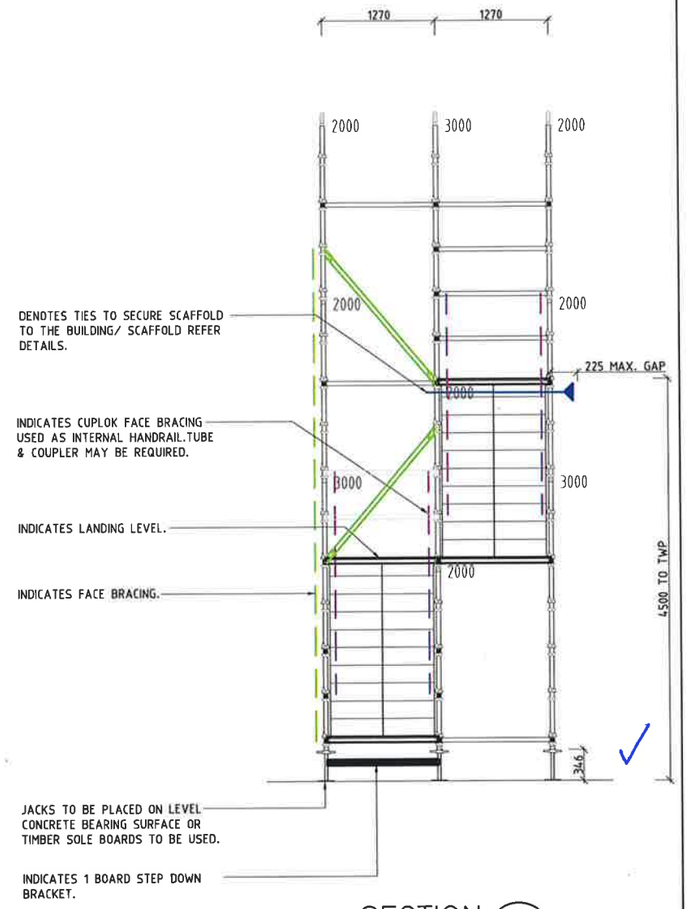
PLAN VIEW

SCALE 1:75
FOR ALL SCAFFOLD HEIGHTS REFER TO SECTIONS
— — EXTERNAL FACE BRACING
— — INTERNAL FACE BRACING USED AS HANDRAILS



SECTION A

SCALE 1:75



SECTION B

SCALE 1:75

REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

CLIENT: RAW Rockhampton Northern Access Upgrade

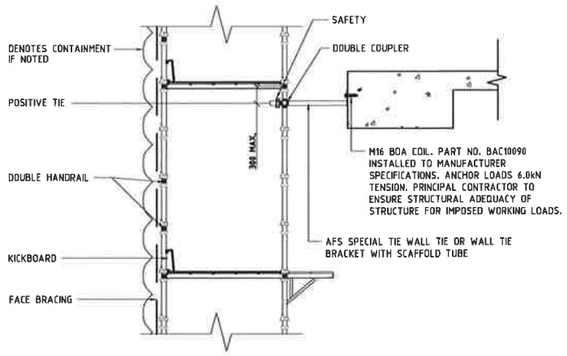
PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

DESCRIPTION: 4.5M STRETCHER STAIR DESIGN PLAN & SECTIONS

ACROW SINCE 1938
Acrow Formwork & Scaffolding Pty Ltd

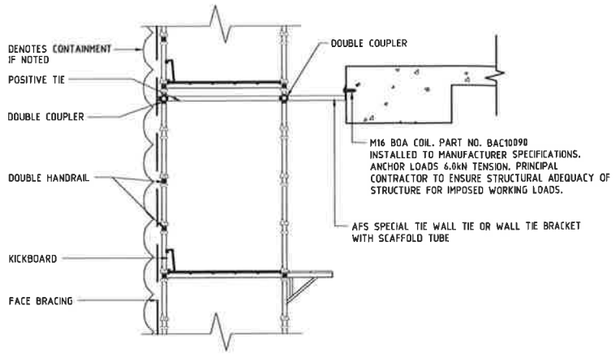
SHEET A3 | SCALE SHOWN

DRG No: 200020-24



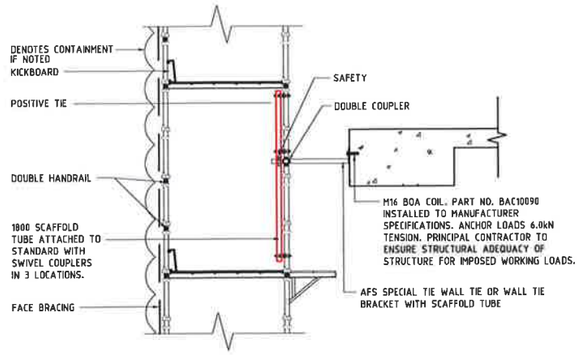
TYPICAL TIE DETAIL WHERE TIE POINT IS LOCATED WITHIN 200mm OF TRANSOM NODE A SINGLE LEG TIE MAY BE USED. SAFETY COUPLER TO BE INSTALLED. TIES SPACED AS SHOWN IN SCAFFOLD NOTES.

TYP. SINGLE LEG TIE



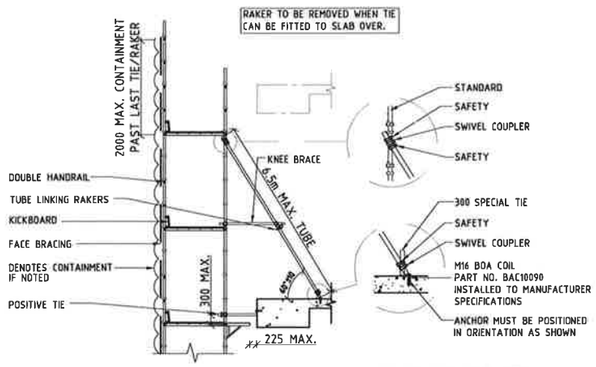
TYPICAL TIE DETAIL WHERE TIE POINT MAY BE LOCATED AT ANY LOCATION BETWEEN DECKS IF TIE IS FIXED TO AT LEAST 2 LEGS AS SHOWN. TIES SPACED AS SHOWN IN SCAFFOLD NOTES.

TYP. DOUBLE LEG TIE



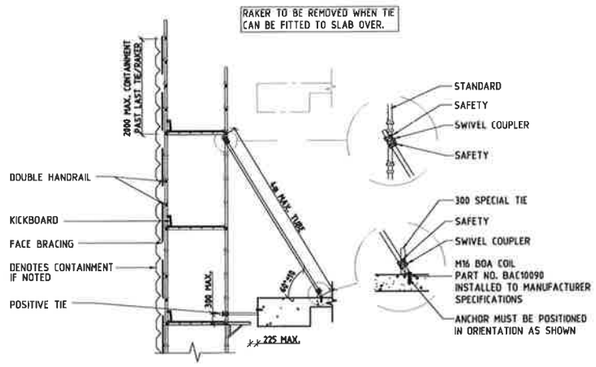
TYPICAL TIE DETAIL WHERE TIE POINT MAY BE LOCATED AT ANY LOCATION BETWEEN DECKS IF THE FRONT LEG THE TIE IS ATTACHED TO IS STRENGTHEN WITH 1800 SCAFFOLD TUBE ATTACHED TO STANDARD WITH SWIVEL COUPLERS IN 3 LOCATIONS AS SHOWN. TIES SPACED AS SHOWN IN SCAFFOLD NOTES.

TYP .SINGLE LEG TIE MIDDLE OF STANDARD



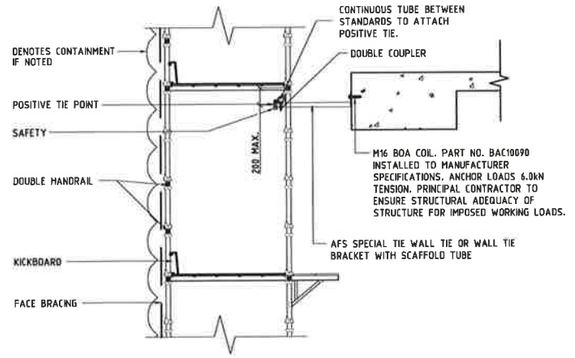
TYPICAL RAKER DETAIL FOR SCAFFOLD REQUIRED PAST LAST POSITIVE TIE. RAKERS SPACED AT SAME TIE SPACINGS AS SHOWN IN SCAFFOLD NOTES.

TYP. RAKER DETAIL WITH KNEE BRACE



TYPICAL RAKER DETAIL FOR SCAFFOLD REQUIRED PAST LAST POSITIVE TIE. RAKERS SPACED AT SAME TIE SPACINGS AS SHOWN IN SCAFFOLD NOTES.

TYP. RAKER DETAIL

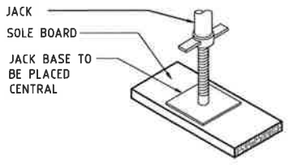


TYPICAL TIE DETAIL WHERE TIE POINT IS LOCATED WITHIN 200mm OF TRANSOM NODE A SINGLE LEG TIE MAY BE USED. SAFETY COUPLER TO BE INSTALLED. TIES SPACED AS SHOWN IN SCAFFOLD NOTES.

TYP. SINGLE LEG TIE FROM CONTINUOUS TUBE BETWEEN STANDARDS

SINGLE TIMBER SOLE BOARD LAYOUT

SCALE 1:25



SOLE BOARDS TO BE 225 wide x 50 thick x 500 long HARDWOOD TIMBER SOLE BOARDS.

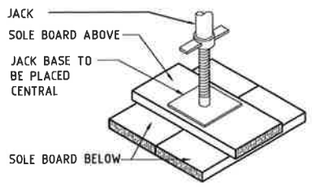
PRINCIPAL CONTRACTOR TO PROVIDE GROUND FOUNDATIONS THAT ARE SATISFACTORY TO SUPPORT THE IMPOSED LEG LOADS NOTED TO PREVENT DIFFERENTIAL SETTLEMENT.

PRINCIPAL CONTRACTOR TO ENSURE CLIENT IS PROVIDED WITH A LEVEL AND STABLE BEARING SURFACE FOR ALL SOLEBOARD LOCATIONS.

MAXIMUM DESIGN LEG LOAD - 13.0kN
MINIMUM REQUIRED GROUND BEARING CAPACITY - 125.0 kPa

TRIPLE TIMBER SOLE BOARD LAYOUT

SCALE 1:25



SOLE BOARDS TO BE 225 wide x 50 thick x 500 long HARDWOOD TIMBER SOLE BOARDS.

PRINCIPAL CONTRACTOR TO PROVIDE GROUND FOUNDATIONS THAT ARE SATISFACTORY TO SUPPORT THE IMPOSED LEG LOADS NOTED TO PREVENT DIFFERENTIAL SETTLEMENT.

PRINCIPAL CONTRACTOR TO ENSURE CLIENT IS PROVIDED WITH A LEVEL AND STABLE BEARING SURFACE FOR ALL SOLEBOARD LOCATIONS.

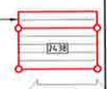
MAXIMUM DESIGN LEG LOAD - 13.0kN
MINIMUM REQUIRED GROUND BEARING CAPACITY - 100.0 kPa

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J. Trickett
Date: 10/02/20 Ref #: JT20-527

SCAFFOLD NOTES

1. IF IN DOUBT, PLEASE ASK.
2. DO NOT OBTAIN DIMENSIONS BY SCALING FROM THESE DRAWINGS.
3. VERIFY ON SITE ALL SET OUT DIMENSIONS SHOWN ON THESE DRAWINGS.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE ON THESE DRAWINGS.
5. NO ALTERATIONS TO THE DESIGN SHOWN ON THESE DRAWINGS ARE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE DESIGNER. ACCEPTABLE CHANGES THAT CAN BE MADE WITHOUT DESIGNERS CONSENT INCLUDE SCAFFOLD PLAN LAYOUT ALTERED TO SUIT SITE CONDITIONS. EG. "2438 BAY MAY BE REDUCED TO 1829 BAY" OR "1270 BAY MAY BE INCREASED TO 2438 BAY" U.N.O. TIES TO SPACED AS PER SCAFFOLD NOTES. CARE MUST BE TAKEN WHEN CHANGING BAY CONFIGURATION ON LOWER LEVELS TO ENSURE THAT SCAFFOLD DOESN'T CLASH WITH FLOORS ABOVE.
6. THE SCAFFOLD SHOWN IN THESE DRAWINGS HAS BEEN DESIGNED USING RELEVANT SECTIONS OF AUSTRALIAN STANDARDS AS/NZS1576.1 AND AS/NZS4576. THE DESIGN HAS BEEN BASED ON THE USE OF ACROW FORMWORK & SCAFFOLDING EQUIPMENT ONLY. OTHER EQUIPMENT MAY HAVE A DIFFERENT WORKING LOAD LIMIT AND THUS MAY NOT BE ADEQUATE IN THE APPLICATION SHOWN ON THESE DRAWINGS.
7. ALL ERECTION WORK IS TO BE CARRIED OUT IN A SAFE TRADESMANLIKE MANNER AND BE IN ACCORDANCE WITH ACROW FORMWORK & SCAFFOLDING GUIDELINES, AS1576, AS4576, LOCAL AUTHORITY REQUIREMENTS AND OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
8. THE CLIENT MUST ENSURE THAT THE SUPPORTING FOUNDATION HAS ADEQUATE BEARING CAPACITY TO SUPPORT THE LOAD IMPOSED BY THE SCAFFOLD.
9. THE CLIENT MUST ENSURE THAT THE SUPPORTING FOUNDATION IS ADEQUATELY PREPARED TO AVOID DIFFERENTIAL SETTLEMENT OR HAS THE CAPACITY AND CHARACTERISTICS PROPERTIES TO LIMIT ANY DIFFERENTIAL SETTLEMENT TO NOT MORE THAN 5MM UNDER SCAFFOLD LEGS.
10. THE CLIENT MUST ENSURE THAT THE PERMANENT STRUCTURE HAS ADEQUATE STRENGTH TO WITHSTAND THE IMPOSED LOADS FROM THE SCAFFOLD ASSEMBLY.
11. TIES OR OTHER COMPONENTS ARE NOT TO BE MOVED OR TAMPERED WITH IN ANY WAY EXCEPT BY ACROW FORMWORK & SCAFFOLDING OR OUR NOMINATED SUB-CONTRACTORS.
12. UNLESS NOTED OTHERWISE ON DRAWING THE DISTANCE BETWEEN FACE BRACING PANELS IS NOT TO EXCEED THREE BAYS.
13. UNLESS NOTED OTHERWISE ON DRAWING ALL RETURNS OR BREAKS IN SCAFFOLD ARE TO BE TUBE TIED, COMPLETE WITH PLANKING, GUARDRAILS OR MESH INFILL AS REQUIRED ON ADJACENTSCAFFOLD.
14. UNLESS NOTED OTHERWISE ON DRAWING SCAFFOLD TO BE A MAXIMUM OF 225MM FROM WORKING FACE UNLESS DIRECTED OTHERWISE BY LOCAL SAFETY AUTHORITIES. GAPS TO BUILDING FACE GREATER THAN 225mm TO BE FILLED AS REQUIRED ON SITE. INDEPENDENT SCAFFOLD BAY TO BE LINKED USING SCAFFOLD TUBE AND FITTING AT LEDGER POINTS NO GREATER THAN 2.00m VERTICALLY.
15. UNLESS NOTED OTHERWISE ON DRAWING PLATFORM BRACKETS ("HOP UPS") ARE NOT TO BE LOADED WITH MATERIALS. THEY ARE TO BE USED FOR ACCESS BY PERSONNEL ONLY.
16. IT SHALL REMAIN THE CLIENTS RESPONSIBILITY TO ENSURE THAT ALL REASONABLE PRECAUTIONS ARE TAKEN TO AVOID IMPACT LOADS ON THE SCAFFOLD DURING USE, CRANEAGE & VEHICULAR OPERATIONS. THE HANDRAIL / TOP STANDARD CAN WITHSTAND INDUSTRIAL HANDRAIL LOADS HOWEVER SOME DEFORMATION OF THE STANDARD MAY RESULT SHOULD A SIGNIFICANT IMPACT OCCUR. THE STANDARD MUST BE REPLACED IF SUCH AN EVENT OCCURS.
17. IRRESPECTIVE OF ANY RECOMMENDATIONS SHOWN ON THE DRAWINGS, THE USER IS RESPONSIBLE FOR THE STRUCTURAL ADEQUACY OF MATERIAL OF HIS OWN SUPPLY AND FOR ENSURING THAT THE APPROVED WORKING LOAD LIMITS OF ACROW FORMWORK & SCAFFOLDING EQUIPMENT ARE NOT EXCEEDED.
18. STRUCTURE MUST BE CHECKED BY CLIENT PERIODICALLY AND AFTER INCLEMENT WEATHER OR MAIN LOADING EVENT TO ENSURE THAT ALL COMPONENTS AND CONNECTIONS ARE TIGHT AND THE INTEGRITY OF THE STRUCTURE IS INTACT.
19. ALL TYPICAL DETAILS ARE TO BE USED AS EXAMPLES ONLY AND IF SPECIAL OR DIFFERENT DETAILS ARE NOTED IN THE CONSTRUCTION DRAWINGS VARY, TYPICAL DETAILS ARE TO BE DISREGARDED.

SCAFFOLD BAY DETAIL INDICATES BAY LENGTH, NUMBER OF BOARDS AND HOP-UP REQUIRED.



LAP DETAIL MARKER INDICATES SCAFFOLD TUBES, FITTINGS & LAPPING BOARDS TO JOIN ADJACENT SCAFFOLDS. TUBE TIE AT 2000mm CENTERS VERTICALLY (INTERNAL & EXTERNAL STD)

TIE DETAIL MARKER INDICATES SCAFFOLD TIES FIXED TO SLAB EDGE, THROUGH WINDOW OPENINGS AND TO THE SIDE OF EDGE BEAMS. HORIZONTAL DISTANCE BETWEEN TIES AS SHOWN AND VERTICAL DISTANCE BETWEEN TIES MUST NOT EXCEED 4000mm U.N.O. TIES TO BE TIED TO BOTH STANDARDS U.N.O.

THE SCAFFOLD STAIR HAS BEEN DESIGNED USING THE FOLLOWING PARAMETERS:

TYPE OF SCAFFOLD STAIR	PEOPLE ALLOWED ON STAIR AT ANYONE TIME	10 PEOPLE 100kg ea
STRETCHER STAIR		

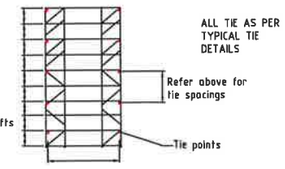
- MAX. SCAFFOLD HEIGHT TO TOP DECK = 4.50M
- MAX. EXTENSION OF ADJUSTABLE BASES = 450MM
- MAX. LEG LOAD = 13.0KN

STAIR NOT FOR PUBLIC ACCESS.

SCAFFOLD DESIGNED FOR WIND SPEEDS AS PER AS1170 REGION B TERRAIN CATEGORY 3 WITH SCAFFOLD CLAD IN EITHER CHAIN AND SHADECLOTH OR PROPRIETARY CONTAINMENT SHEETING LIKE LYTA MESH OR SIMILAR. IF WIND SPEEDS LIKELY TO REACH OR EXCEED 100km/hr PRESCRIBED CONTAINMENT SHEETING TO BE REMOVED AND SCAFFOLD BOARDS/ STAIRS TO BE EITHER REMOVED OR STRAPPED DOWN.

THE SCAFFOLD IS TO BE TIED TO THE BUILDING /STRUCTURE AS FOLLOWS:-

HORIZONTALLY = 4.9m MAX.
VERTICALLY = 4m MAX.



REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

CLIENT: ROCKHAMPTON NORTHERN ACCESS UPGRADE

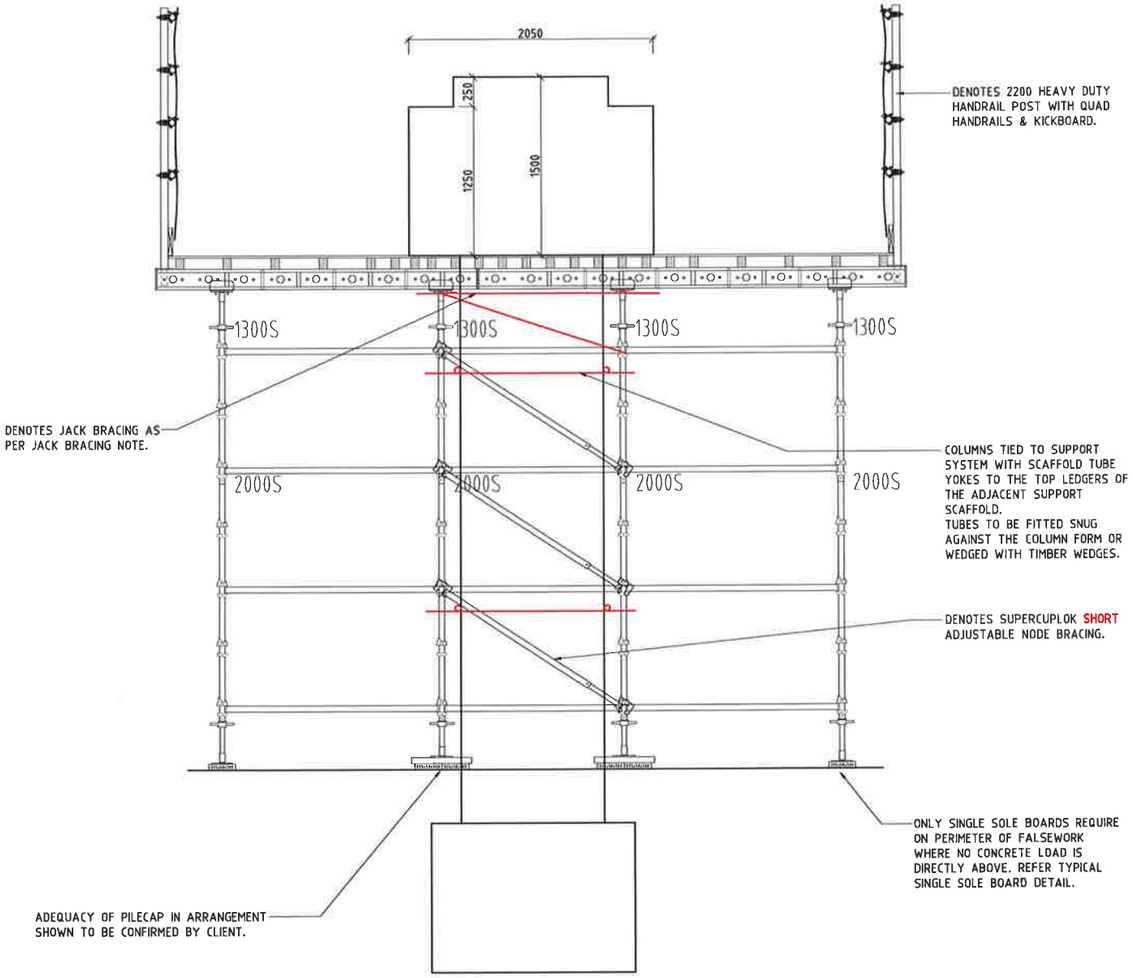
PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

DESCRIPTION: 4.5M STRETCHER STAIR DESIGN NOTES & DETAILS

ACROW SINCE 1938
Acrow Formwork & Scaffolding Pty Ltd

SHEET A3 | SCALE SHOWN

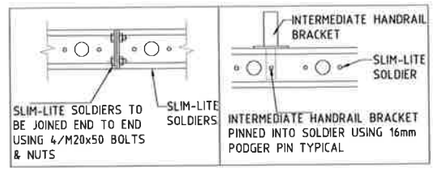
DRG No: 200020-25

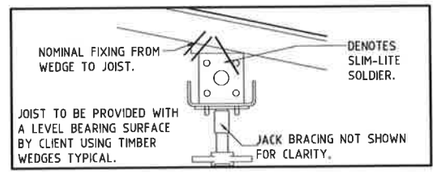


SECTION A/10

SCALE 1:50

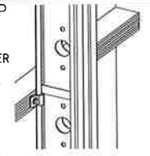
PIER 3 SHOWN



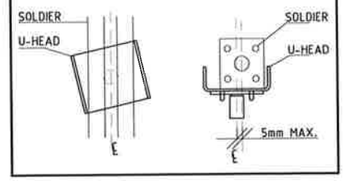


SOLDIER TIMBER WALER CLAMP CONNECTION DETAIL.

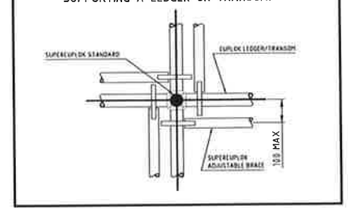
SOLDIER FIXED TO WALER WITH TIMBER WALER CLAMP SECURED WITH SELF-TAPPING HEX HEAD SCREWS. SUGGESTED SCREW-"POWERS" TYPE 17 HEX. HD. SCREWS PART No. T17HC414050 OF THEIR EQUIVALENT. ALTERNATE CLAMPS SIDE TO SIDE OF THE SOLDIER AT EACH WALER.



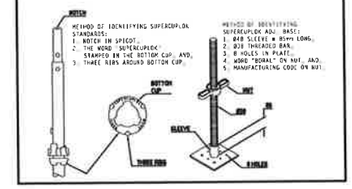
ALL U-HEADS TO BE ROTATED CENTRALISE BEARER OVER THE JACK SHAFT TO REDUCE ANY ECCENTRICITY PRESENT.



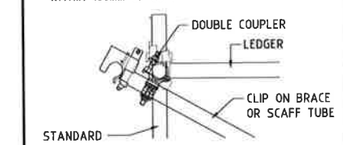
ALL NODE BRACING HORIZONTAL AND DIAGONAL TO BE FITTED WITH-IN 100mm OF THE CUP SUPPORTING A LEDGER OR TRANSOM.



ALL JACKS TO BE SUPERCUPLOK



SUPERCUPLOK CLIP ON NODE BRACING MAY BE FIXED ON ONE END OR SCAFFOLD TUBE USED IN LIEU OF CLIP ON BRACE IF STEEL BOARDS ARE USED OR BRACING CLASHES WITH TRANSOM. ATTACHED TO LEDGER WITH DOUBLE COUPLERS WITHIN 100mm OF CUP.



DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J.Trickett
Date: 10/02/20 Ref #: JT20-527

REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

CLIENT: RMA Roads Maintenance Access Upgrade

PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

DESCRIPTION: PIER 3 FALSEWORK SUPPORT SECTION A

ACROW SINCE 1938 Acrow Formwork & Scaffolding Pty Ltd

SHEET A3 | SCALE SHOWN

DRG No: 200020-16

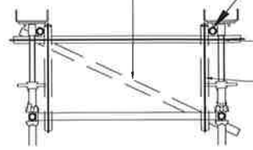
SCAFFOLD FORMWORK SUPPORT

1. - THE STANDARDS AND JACKS MUST BE CHECKED TO ENSURE THAT ONLY SUPER CUPLOK COMPONENTS ARE BEING USED.
2. - FOOTING AND FOUNDATIONS SHALL BE SATISFACTORY TO SUPPORT THE IMPOSED LOADS AND PREVENT DIFFERENTIAL SETTLEMENT.
3. - ALL STANDARD SHALL BE ERECTED PLUMB.
4. - PLAN BRACING IS HELPFUL TO SQUARE UP THE INITIAL STANDARDS DURING ERECTION.
5. - AT LEAST TWO LEDGERS MUST BE CONNECTED TO EACH VERTICAL IN TWO DIRECTIONS APPROX 90 DEGREES.
6. - THE MOST RECOMMENDED TYPE OF SCAFFOLD IS BUILT BY HAVING CONTINUOUS LINES OF LEDGERS
7. - WHEN VERY LONG RUNS OF SCAFFOLD ARE TO BE CONSTRUCTED CONSIDERATION SHALL BE GIVEN TO DIVIDING THE STRUCTURE INTO SMALLER SECTIONS TO AVOID THE BUILD UP OF ADVERSE TOLERANCES.
8. - SPIGOT JOINTS SHALL BE AVOIDED IN BASE AND TOP LIFTS UNLESS BASE AND TOP JACKS BRACED.

COLUMNS MAY BE POURED FREESTANDING OR CAPTIVE WITHIN SUPERCUPLOK SUPPORT AS DESIRED BY CLIENT

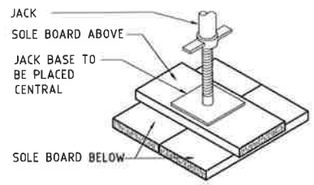
JACK BRACING

DIAGONAL BRACE ONLY REQUIRED ABOVE (TOP JACKS) & BELOW (BASE JACKS) SUPERCUPLOK BAYS WHICH EMPLOY SUPERCUPLOK ADJUSTABLE NODE BRACING.



JACKS WITH AN EXTENSION GREATER THAN 300mm UNDER CONCRETE OR WERE NOTED MUST BE BRACED WITH SCAFFOLD TUBE & FITTINGS. THE JACKS ARE TO BE TIED TOGETHER HORIZONTALLY IN TWO DIRECTIONS & DIAGONALLY TIED TO THE SUPPORT SCAFFOLD NODE POINTS AS PER DIAGRAM.

TRIPLE TIMBER SOLE BOARD LAYOUT

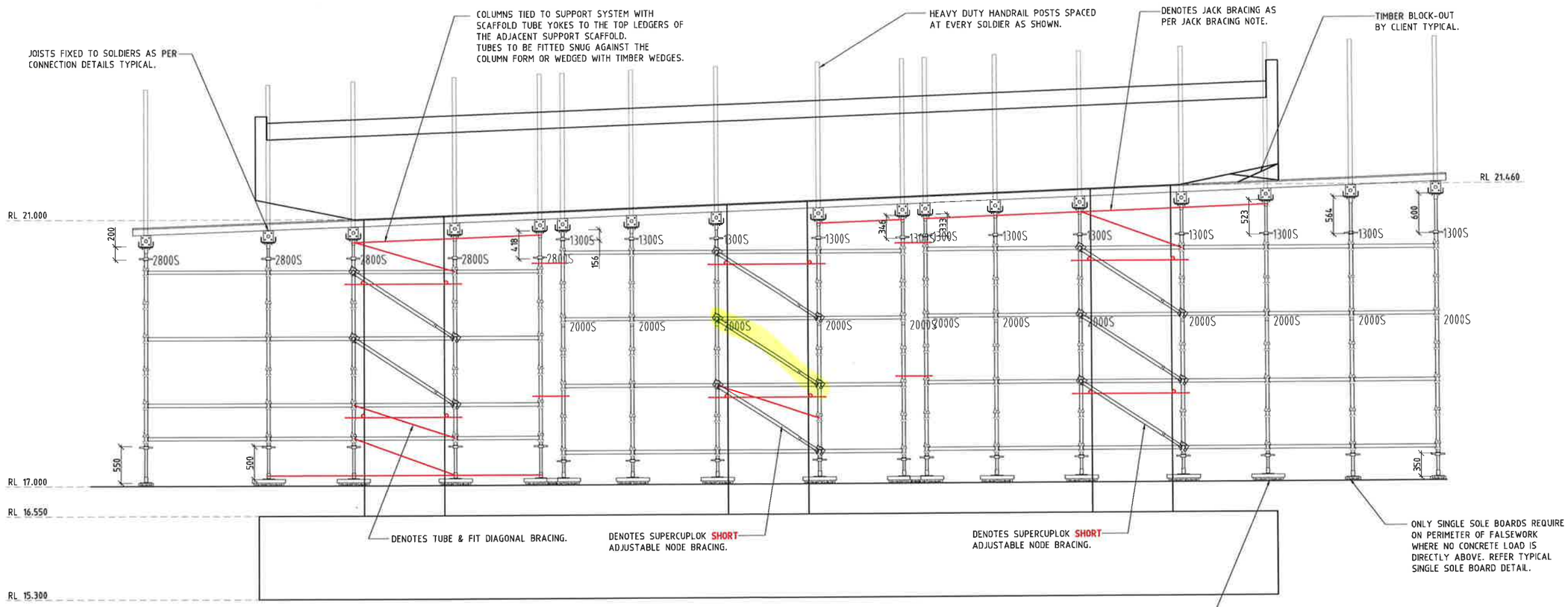


SOLE BOARDS TO BE HARDWOOD TIMBER
SCAFFOLD APLICATIONS U.N.O. 225wide x 38thick x 500long
FORMWORK APPLICATIONS 225wide x 50thick x 500long

PRINCIPAL CONTRACTOR TO PROVIDE GROUND FOUNDATIONS THAT ARE SATISFACTORY TO SUPPORT THE IMPOSED LEG LOADS NOTED TO PREVENT DIFFERENTIAL SETTLEMENT.

PRINCIPAL CONTRACTOR TO ENSURE CLIENT IS PROVIDED WITH A LEVEL AND STABLE BEARING SURFACE FOR ALL SOLEBOARD LOCATIONS.

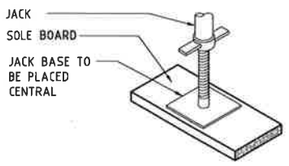
MAXIMUM DESIGN LEG LOAD - 60.0kN
MINIMUM REQUIRED GROUND BEARING CAPACITY - 300.0kPa



ELEVATION

SCALE 1:75
PIER 3 SHOWN

SINGLE TIMBER SOLE BOARD LAYOUT



SOLE BOARDS TO BE HARDWOOD TIMBER
SCAFFOLD APLICATIONS U.N.O. 225wide x 38thick x 500long
FORMWORK APPLICATIONS 225wide x 50thick x 500long

PRINCIPAL CONTRACTOR TO PROVIDE GROUND FOUNDATIONS THAT ARE SATISFACTORY TO SUPPORT THE IMPOSED LEG LOADS NOTED TO PREVENT DIFFERENTIAL SETTLEMENT.

PRINCIPAL CONTRACTOR TO ENSURE CLIENT IS PROVIDED WITH A LEVEL AND STABLE BEARING SURFACE FOR ALL SOLEBOARD LOCATIONS.

MAXIMUM DESIGN LEG LOAD - 10.0kN
MINIMUM REQUIRED GROUND BEARING CAPACITY - 100.0kPa

missing 1 cross support 7th panel in.

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J Trickett
Date: 10/02/20 Ref #: JT20-527

REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

CLIENT: RNA JV (Rockhampton Northern Access Upgrade)

PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

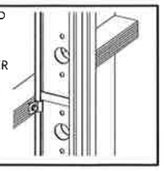
DESCRIPTION: PIER 3 FALSEWORK SUPPORT ELEVATION

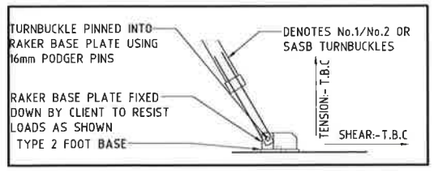
ACROW SINCE 1936
Acrow Formwork & Scaffolding Pty Ltd

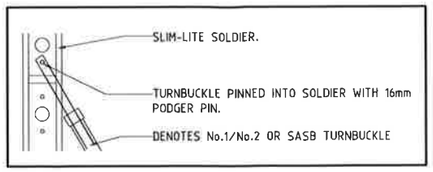
SHEET A3 | SCALE SHOWN
DRG No: 200020-15

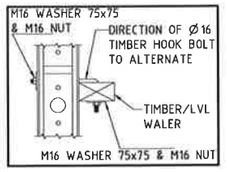
SOLDIER TIMBER WALER CLAMP CONNECTION DETAIL.

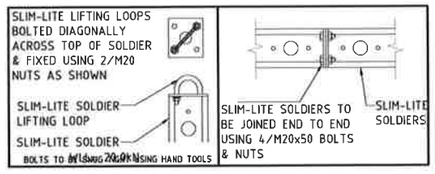
SOLDIER FIXED TO WALER WITH TIMBER WALER CLAMP SECURED WITH SELF-TAPPING HEX HEAD SCREWS. SUGGESTED SCREW-"POWERS" TYPE 17 HEX. HD. SCREWS PART No. T17HC414050 OF THEIR EQUIVALENT. ALTERNATE CLAMPS SIDE TO SIDE OF THE SOLDIER AT EACH WALER.

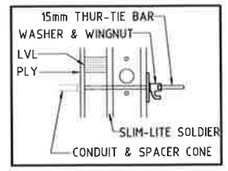






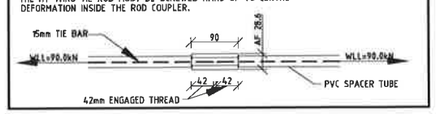


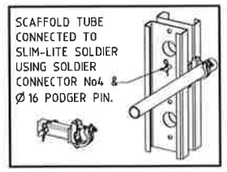


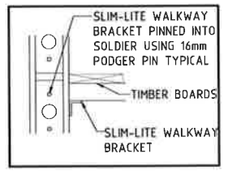


ROD COUPLER CONNECTION DETAIL

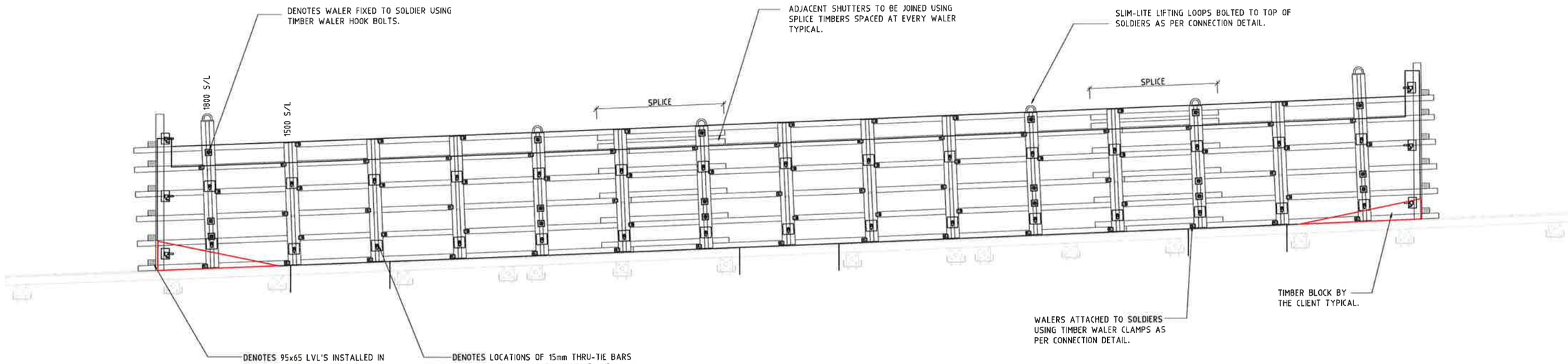
ROD COUPLERS CAN BE USED TO JOIN HT THRU TIES WHERE GREATER LENGTHS ARE REQUIRED. THE ROD COUPLER REMAINS BURIED IN THE CONCRETE . THE HT THRU TIE ROD MUST BE SCREWED HARD UP TO CENTRE DEFORMATION INSIDE THE ROD COUPLER.







SAFE ACCESS TO WALKWAYS BY CLIENT TO BE POURED IN UNIFORM 400mm LAYERS POUR RATE 2.0m/hr VERTICALLY



ELEVATION POUR 1

SCALE 1:50

PIER 1 SHOWN, PIER 2,3,4 SIMILAR.

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J. Trickett
Date: 10/02/20 Ref #: JT20-527

REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

CLIENT: RMA ROCKHAMPTON NORTHERN ACCESS UPGRADE

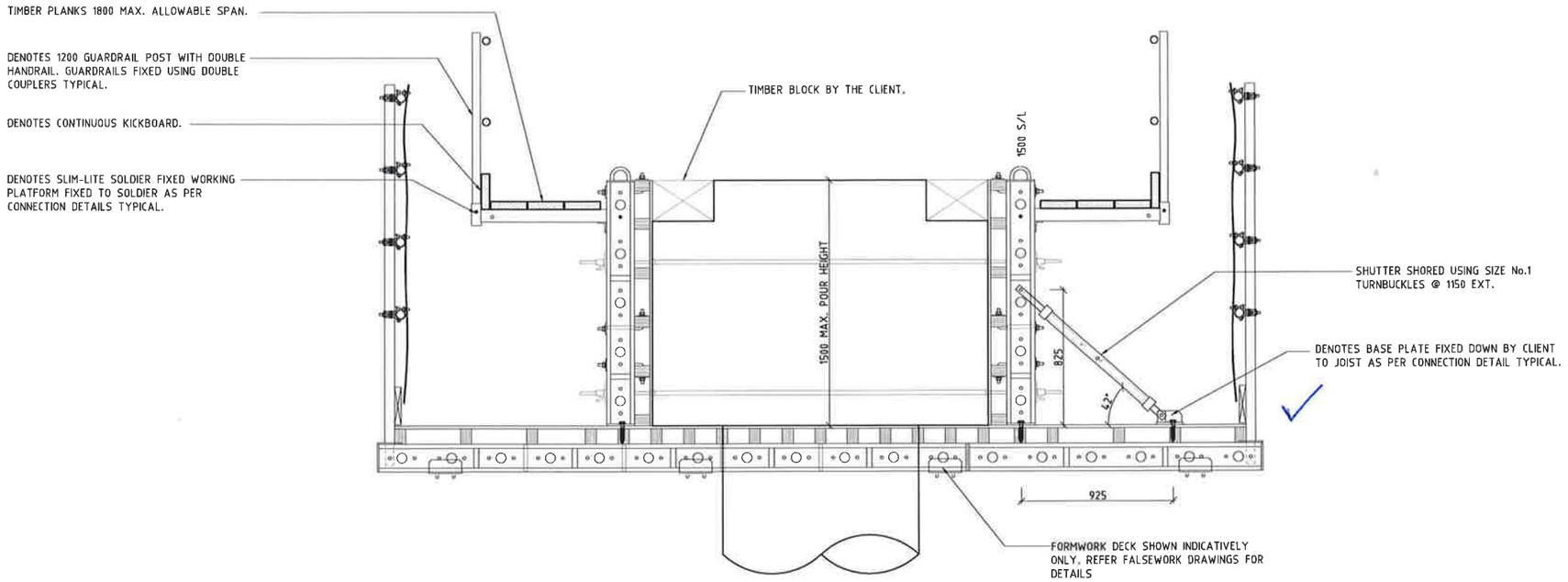
PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

DESCRIPTION: TYPICAL PIER HEADSTOCK WALLFORM SUPPORT ELEVATION POUR 1

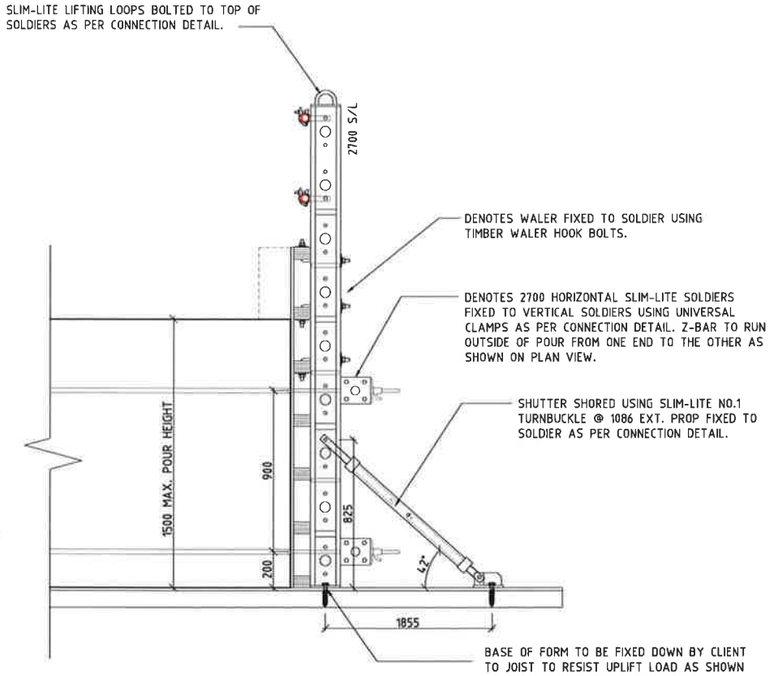
ACROW SINCE 1938 Acrow Formwork & Scaffolding Pty Ltd

SHEET A3 | SCALE SHOWN

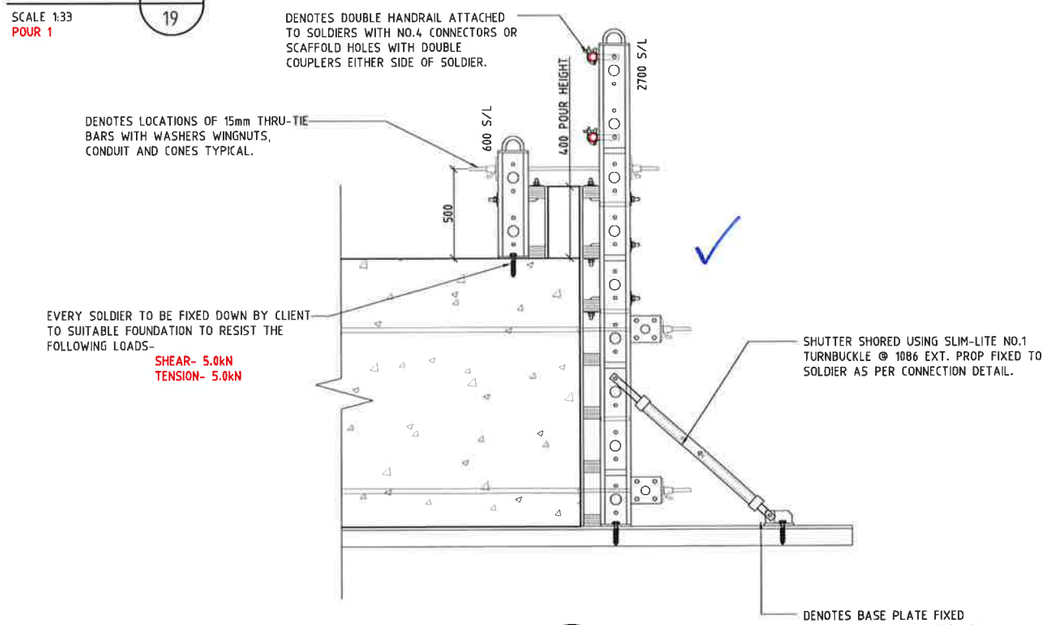
DRG No: 200020-20



SECTION A 19
SCALE 1:33
POUR 1



SECTION B 19
SCALE 1:33
POUR 1



SECTION B 19
SCALE 1:33
POUR 2

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J.Trickett
Date: 10/02/20 Ref #: JT20-527

WALL FORMWORK NOTES

1. IF IN DOUBT, PLEASE ASK.
2. DO NOT OBTAIN DIMENSIONS BY SCALING FROM THESE DRAWINGS.
3. VERIFY ON SITE ALL SET OUT DIMENSIONS SHOWN ON THESE DRAWINGS.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE ON THESE DRAWINGS.
5. NO ALTERATIONS TO THE DESIGN SHOWN ON THESE DRAWINGS ARE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE DESIGNER.
6. THE CLIENT MUST ENSURE THAT THE PERMANENT STRUCTURE HAS ADEQUATE STRENGTH TO WITHSTAND THE IMPOSED LOADS NOTED.
7. THE FORMWORK SHOWN IN THIS DRAWING HAS BEEN DESIGNED USING RELEVANT SECTIONS OF THE FOLLOWING AS CODES: AS1170, AS4100, AS3610, AND AS1720 AND OTHER LOCAL DESIGN REQUIREMENTS OF B80 AND MRS170 SPECIFICATIONS FOR NSW AND QLD RESPECTIVELY WHERE RELEVANT.
8. THE DESIGN HAS BEEN BASED ON THE USE OF ACROW FORMWORK & SCAFFOLDING EQUIPMENT ONLY. OTHER EQUIPMENT MAY HAVE A DIFFERENT SAFE WORKING LOAD AND THUS MAY NOT BE ADEQUATE IN THE APPLICATION SHOWN ON THIS DRAWING.
9. ALL ERECTION AND DISMANTLING WORK IS TO BE CARRIED OUT IN A SAFE, TRADESMANLIKE MANNER AND BE IN ACCORDANCE WITH AS3610, LOCAL AUTHORITY REQUIREMENTS AND OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
10. ALL BACK PROPPING TO BE DESIGNED & SUPPLIED BY OTHERS WHERE REQUIRED.
11. THE STABILITY OF THE FORMWORK MUST BE MAINTAINED AT ALL TIMES, AND IF NECESSARY, ADDITIONAL BRACING AND ANCHORING MUST BE PROVIDED. THE FORMWORK AND FALSEWORK MUST BE MONITORED PRIOR TO, AND DURING CONCRETE PLACEMENT, AND ADJUSTED, IF NECESSARY.
12. IMPACT LOADS HAVE NOT BEEN ALLOWED FOR IN THIS DESIGN. IT SHALL REMAIN THE CUSTOMER'S RESPONSIBILITY TO ENSURE THAT SUFFICIENT PRECAUTIONS ARE TAKEN TO AVOID IMPACT LOADS ON THE FORMWORK AND FALSEWORK DURING USE AND CRANEAGE & VEHICULAR OPERATIONS.
13. ALL CONCRETE DIMENSIONS ARE TO BE CHECKED & VERIFIED PRIOR TO ERECTION OF FORMWORK.
14. IRRESPECTIVE OF ANY RECOMMENDATIONS SHOWN ON THE DRAWINGS, THE USER IS RESPONSIBLE FOR THE STRUCTURAL ADEQUACY OF MATERIAL OF HIS OWN SUPPLY AND FOR ENSURING THAT THE APPROVED WORKING LOAD LIMITS OF ACROW FORMWORK & SCAFFOLDING EQUIPMENT ARE NOT EXCEEDED.
15. ALL TYPICAL DETAILS ARE TO BE USED AS EXAMPLES ONLY AND IF SPECIAL OR DIFFERENT DETAILS ARE NOTED IN THE CONSTRUCTION DRAWINGS VARY, TYPICAL DETAILS ARE TO BE DISREGARDED.
16. ALL SHUTTERS TO BE ERECTED PLUMB (VERTICALLY).
17. STRIPPING TO BE IN ACCORDANCE WITH PROJECT ENGINEER DETAILS OR AS3600 & AS3610.
18. ALL STOP ENDS, TIMBER & PLYWOOD MAKEUP ARE BY CLIENT.
19. DEEP RE-VIBRATION OR EXTERNAL VIBRATION HAS NOT BEEN ALLOWED FOR IN THIS DESIGN.
20. STRUCTURE MUST BE CHECKED BY CLIENT PERIODICALLY AND AFTER INCLEMENT WEATHER OR MAIN LOADING EVENT TO ENSURE THAT ALL COMPONENTS AND CONNECTIONS ARE TIGHT AND THE INTEGRITY OF THE STRUCTURE IS INTACT.
21. SUITABLE EXCLUSION ZONES OR CONTAINMENT BY CLIENT TO MEET REQUIREMENTS OF AS3610 AND THE QLD FORMWORK CODE OF PRACTICE 2016
22. THE FOLLOWING DESIGN PARAMETERS HAVE BEEN USED IN THIS DESIGN:
    - MAXIMUM CONCRETE PRESSURE = 36.8kPa
    - MAXIMUM POUR HEIGHT = 1500mm
    - MAXIMUM DISCHARGE HEIGHT = 1500mm
    - MAXIMUM POUR RATE = 2.0m/hr
    - CONCRETE TEMP AT PLACEMENT = 25°C MIN.
    - CONSTITUANT COEFFICIENT, C2 = 0.45
    - CEMENT TYPE = GP
    - ADMIXTURES & ADDITIVES = INCLUDED
    - WET DENSITY OF CONCRETE = 2450kg/m
    - SURFACE CLASS OF FINISH TO AS3610 = 2
23. UNLESS NOTED OTHERWISE, THIS DESIGN IS BASED ON THE USE OF THE FOLLOWING MATERIALS:
    PLYWOOD:- MIN. GRADE 17-10-7 F17 FORMPLY
    WALERS :- 95x65 TRU-FORM OR E-FORM LVL
    SOLDIERS:- ACROW SLIM-LITE SOLDIERS
    THRU TIES:- ACROW HT 15mm THRU TIE BAR OR EQUIVALENT

REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

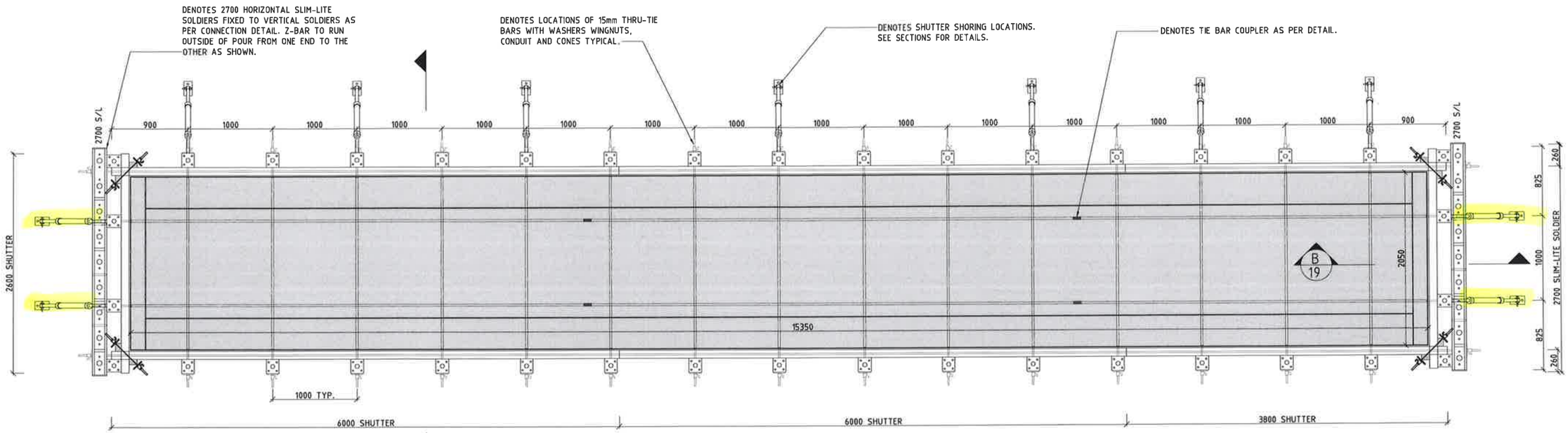
CLIENT: ROCKHAMPTON NORTHERN ACCESS UPGRADE

PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

DESCRIPTION: TYPICAL PIER HEADSTOCK WALLFORM SUPPORT SECTIONS A & B

ACROW SINCE 1938
Acrow Formwork & Scaffolding Pty Ltd

SHEET A3 | SCALE SHOWN
DRG No: 200020-21

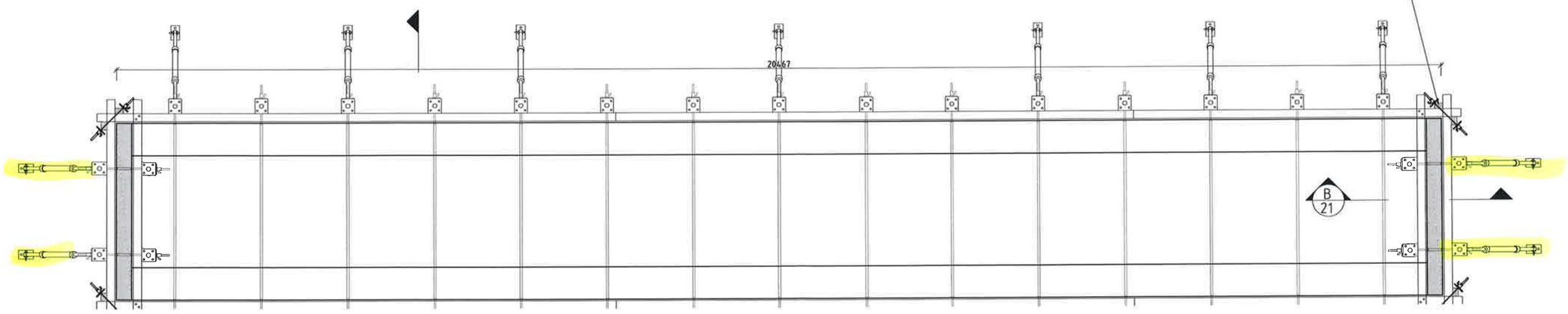


PLAN VIEW POUR 1

SCALE 1:50

PIER 1 SHOWN, PIER 2,3,4 SIMILAR.

A
21

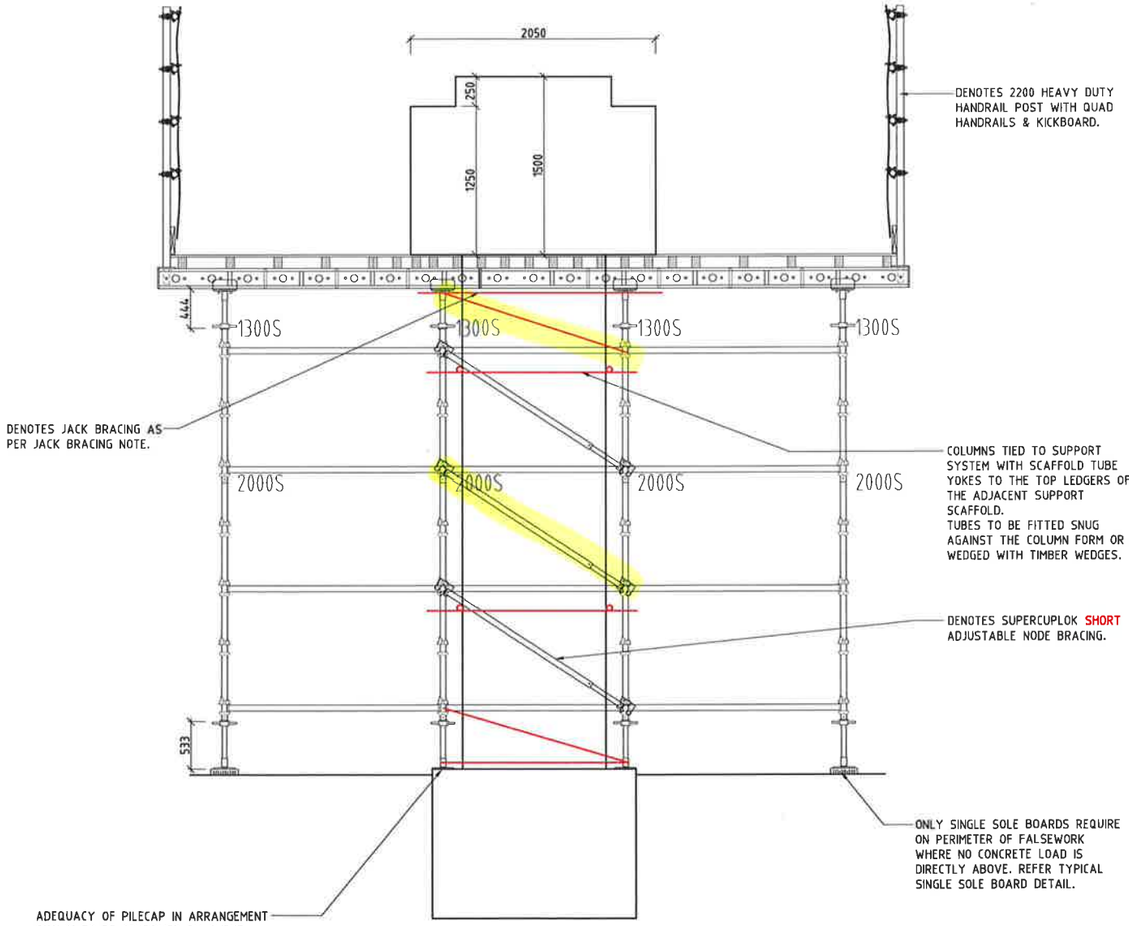


to be installed still

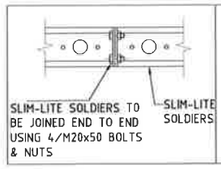
SCAFFOLD FORMWORK SUPPORT

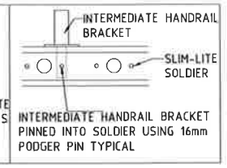
1. - THE STANDARDS AND JACKS MUST BE CHECKED TO ENSURE THAT ONLY SUPER CUPLOK COMPONENTS ARE BEING USED.
2. - FOOTING AND FOUNDATIONS SHALL BE SATISFACTORY TO SUPPORT THE IMPOSED LOADS AND PREVENT DIFFERENTIAL SETTLEMENT.
3. - ALL STANDARD SHALL BE ERECTED PLUMB.
4. - PLAN BRACING IS HELPFUL TO SQUARE UP THE INITIAL STANDARDS DURING ERECTION.
5. - AT LEAST TWO LEDGERS MUST BE CONNECTED TO EACH VERTICAL IN TWO DIRECTIONS APPROX 90 DEGREES.
6. - THE MOST RECOMMENDED TYPE OF SCAFFOLD IS BUILT BY HAVING CONTINUOUS LINES OF LEDGERS
7. - WHEN VERY LONG RUNS OF SCAFFOLD ARE TO BE CONSTRUCTED CONSIDERATION SHALL BE GIVEN TO DIVIDING THE STRUCTURE INTO SMALLER SECTIONS TO AVOID THE BUILD UP OF ADVERSE TOLERANCES.
8. - SPIGOT JOINTS SHALL BE AVOIDED IN BASE AND TOP LIFTS UNLESS BASE AND TOP JACKS BRACED.

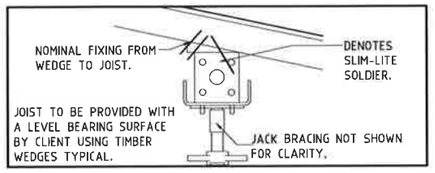
COLUMNS MAY BE POURED FREESTANDING OR CAPTIVE WITHIN SUPERCUPLOK SUPPORT AS DESIRED BY CLIENT



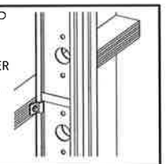
SECTION A/10
SCALE 1:50
PIER 2 SHOWN





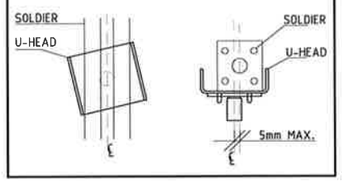


SOLDIER TIMBER WALER CLAMP CONNECTION DETAIL.

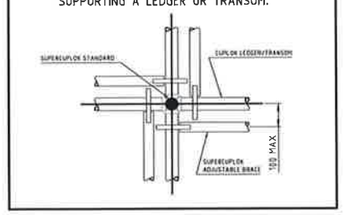


SOLDIER FIXED TO WALER WITH TIMBER WALER CLAMP SECURED WITH SELF-TAPPING HEX HEAD SCREWS. SUGGESTED SCREW-"POWERS" TYPE 17 HEX, HD, SCREWS PART No. T17HC414050 OF THEIR EQUIVALENT. ALTERNATE CLAMPS SIDE TO SIDE OF THE SOLDIER AT EACH WALER.

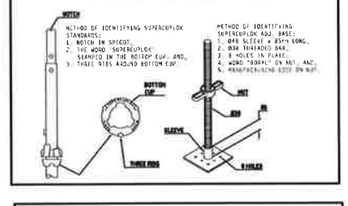
ALL U-HEADS TO BE ROTATED CENTRALISE BEARER OVER THE JACK SHAFT TO REDUCE ANY ECCENTRICITY PRESENT.



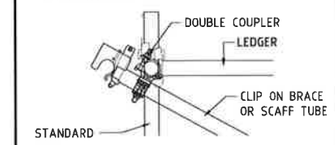
ALL NODE BRACING HORIZONTAL AND DIAGONAL TO BE FITTED WITH-IN 100mm OF THE CUP SUPPORTING A LEDGER OR TRANSOM.



ALL JACKS TO BE SUPERCUPLOK



SUPERCUPLOK CLIP ON NODE BRACING MAY BE FIXED ON ONE END OR SCAFFOLD TUBE USED IN LIEU OF CLIP ON BRACE IF STEEL BOARDS ARE USED OR BRACING CLASHES WITH TRANSOM. ATTACHED TO LEDGER WITH DOUBLE COUPLERS WITHIN 100mm OF CUP.



missing 1 cross support 5th panel along

missing 8 top supports

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J.Trickett
Date: 10/02/20 Ref #: JT20-527

REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

CLIENT: ROCKHAMPTON NORTHERN ACCESS UPGRADE

PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

DESCRIPTION: PIER 2 FALSEWORK SUPPORT SECTION A

ACROW SINCE 1938 Acrow Formwork & Scaffolding Pty Ltd

SHEET A3 | SCALE SHOWN

DRG No: 200020-14

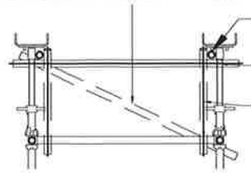
SCAFFOLD FORMWORK SUPPORT

1. - THE STANDARDS AND JACKS MUST BE CHECKED TO ENSURE THAT ONLY SUPER CUPLOK COMPONENTS ARE BEING USED.
2. - FOOTING AND FOUNDATIONS SHALL BE SATISFACTORY TO SUPPORT THE IMPOSED LOADS AND PREVENT DIFFERENTIAL SETTLEMENT.
3. - ALL STANDARD SHALL BE ERECTED PLUMB.
4. - PLAN BRACING IS HELPFUL TO SQUARE UP THE INITIAL STANDARDS DURING ERECTION.
5. - AT LEAST TWO LEDGERS MUST BE CONNECTED TO EACH VERTICAL IN TWO DIRECTIONS APPROX 90 DEGREES.
6. - THE MOST RECOMMENDED TYPE OF SCAFFOLD IS BUILT BY HAVING CONTINUOUS LINES OF LEDGERS
7. - WHEN VERY LONG RUNS OF SCAFFOLD ARE TO BE CONSTRUCTED CONSIDERATION SHALL BE GIVEN TO DIVIDING THE STRUCTURE INTO SMALLER SECTIONS TO AVOID THE BUILD UP OF ADVERSE TOLERANCES.
8. - SPIGOT JOINTS SHALL BE AVOIDED IN BASE AND TOP LIFTS UNLESS BASE AND TOP JACKS BRACED.

COLUMNS MAY BE POURED FREESTANDING OR CAPTIVE WITHIN SUPERCUPLOK SUPPORT AS DESIRED BY CLIENT

JACK BRACING

DIAGONAL BRACE ONLY REQUIRED ABOVE (TOP JACKS) & BELOW (BASE JACKS) SUPERCUPLOK BAYS WHICH EMPLOY SUPERCUPLOK ADJUSTABLE NODE BRACING.



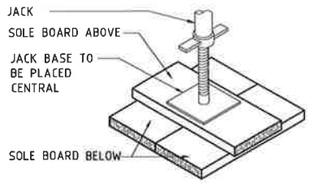
DENOTES CONTINUOUS SCAFFOLD TUBE ATTACHED TO JACK SLEEVES IN TRANSVERSE DIRECTION.

DENOTES CONTINUOUS SCAFFOLD TUBE ATTACHED TO JACK SLEEVES.

DENOTES DIAGONAL BRACE IN TRANSVERSE DIRECTION.

JACKS WITH AN EXTENSION GREATER THAN 300mm UNDER CONCRETE OR WERE NOTED MUST BE BRACED WITH SCAFFOLD TUBE & FITTINGS. THE JACKS ARE TO BE TIED TOGETHER HORIZONTALLY IN TWO DIRECTIONS & DIAGONALLY TIED TO THE SUPPORT SCAFFOLD NODE POINTS AS PER DIAGRAM.

TRIPLE TIMBER SOLE BOARD LAYOUT

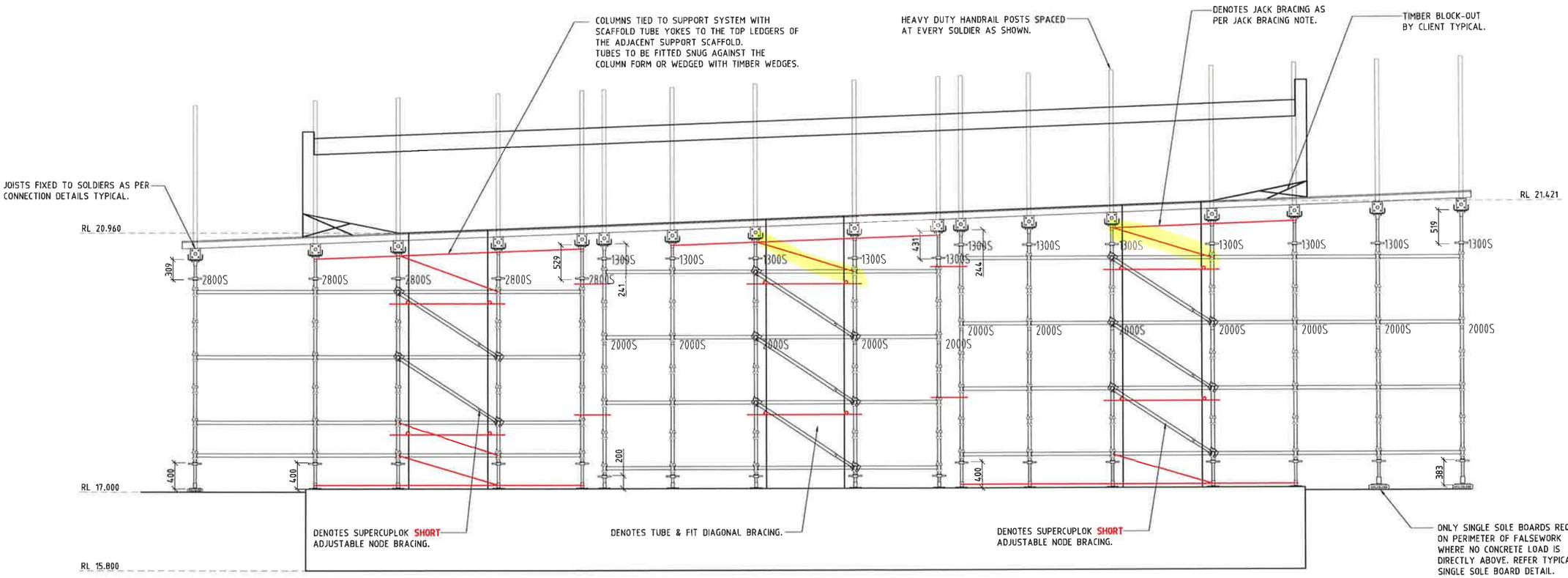


SOLE BOARDS TO BE HARDWOOD TIMBER
SCAFFOLD APLICATIONS U.N.O. 225wide x 38thick x 500long
FORMWORK APPLICATIONS 225wide x 50thick x 500long

PRINCIPAL CONTRACTOR TO PROVIDE GROUND FOUNDATIONS THAT ARE SATISFACTORY TO SUPPORT THE IMPOSED LEG LOADS NOTED TO PREVENT DIFFERENTIAL SETTLEMENT.

PRINCIPAL CONTRACTOR TO ENSURE CLIENT IS PROVIDED WITH A LEVEL AND STABLE BEARING SURFACE FOR ALL SOLEBOARD LOCATIONS.

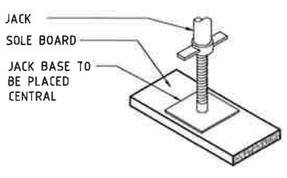
MAXIMUM DESIGN LEG LOAD - 60.0kN
MINIMUM REQUIRED GROUND BEARING CAPACITY - 300.0kPa



ELEVATION

SCALE 1:75
PIER 2 SHOWN

SINGLE TIMBER SOLE BOARD LAYOUT



SOLE BOARDS TO BE HARDWOOD TIMBER
SCAFFOLD APLICATIONS U.N.O. 225wide x 38thick x 500long
FORMWORK APPLICATIONS 225wide x 50thick x 500long

PRINCIPAL CONTRACTOR TO PROVIDE GROUND FOUNDATIONS THAT ARE SATISFACTORY TO SUPPORT THE IMPOSED LEG LOADS NOTED TO PREVENT DIFFERENTIAL SETTLEMENT.

PRINCIPAL CONTRACTOR TO ENSURE CLIENT IS PROVIDED WITH A LEVEL AND STABLE BEARING SURFACE FOR ALL SOLEBOARD LOCATIONS.

MAXIMUM DESIGN LEG LOAD - 10.0kN
MINIMUM REQUIRED GROUND BEARING CAPACITY - 100.0kPa

missing

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J. Trickett
Date: 10/02/20 Ref #: JT20-527

REV	AMENDMENT	DRWN	CHKD	DATE
1	ISSUED FOR CONSTRUCTION	M.C.G	J.T	10/02/20
B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

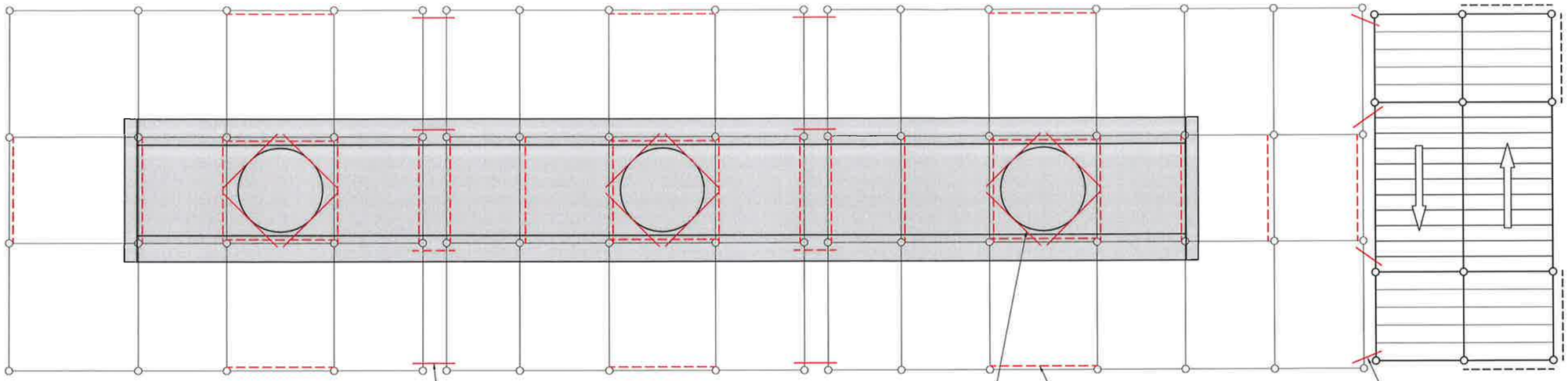
CLIENT: RMA Network (Rockhampton Northern Access Upgrade)

PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

DESCRIPTION: PIER 2 FALSEWORK SUPPORT ELEVATION

ACROW SINCE 1936
Acrow Formwork & Scaffolding Pty Ltd

SHEET A3 | SCALE SHOWN
DRG No: 200020-13



DENOTES SCAFFOLD TUBE TO TIE INDEPENDENT BAYS TOGETHER. ATTACHED TO STANDARDS USING DOUBLE COUPLERS TYPICAL. SEE ELEVATIONS & SECTIONS FOR VERTICAL SPACING.

SUPPORT SYSTEM TIE TO COLUMNS WITH SCAFFOLD TUBE YOKE TIES @ 4m VERTICAL LIFTS. TUBES TO BE FITTED SNUG AGAINST THE COLUMN OR WEDGED WITH TIMBER WEDGES. NOT SHOWN ON ELEVATION AND SECTION FOR CLARITY.

DENOTES SUPERCUPLOK ADJUSTABLE NODE BRACING. SPACED AS SHOWN IN SECTION AND ELEVATIONS.

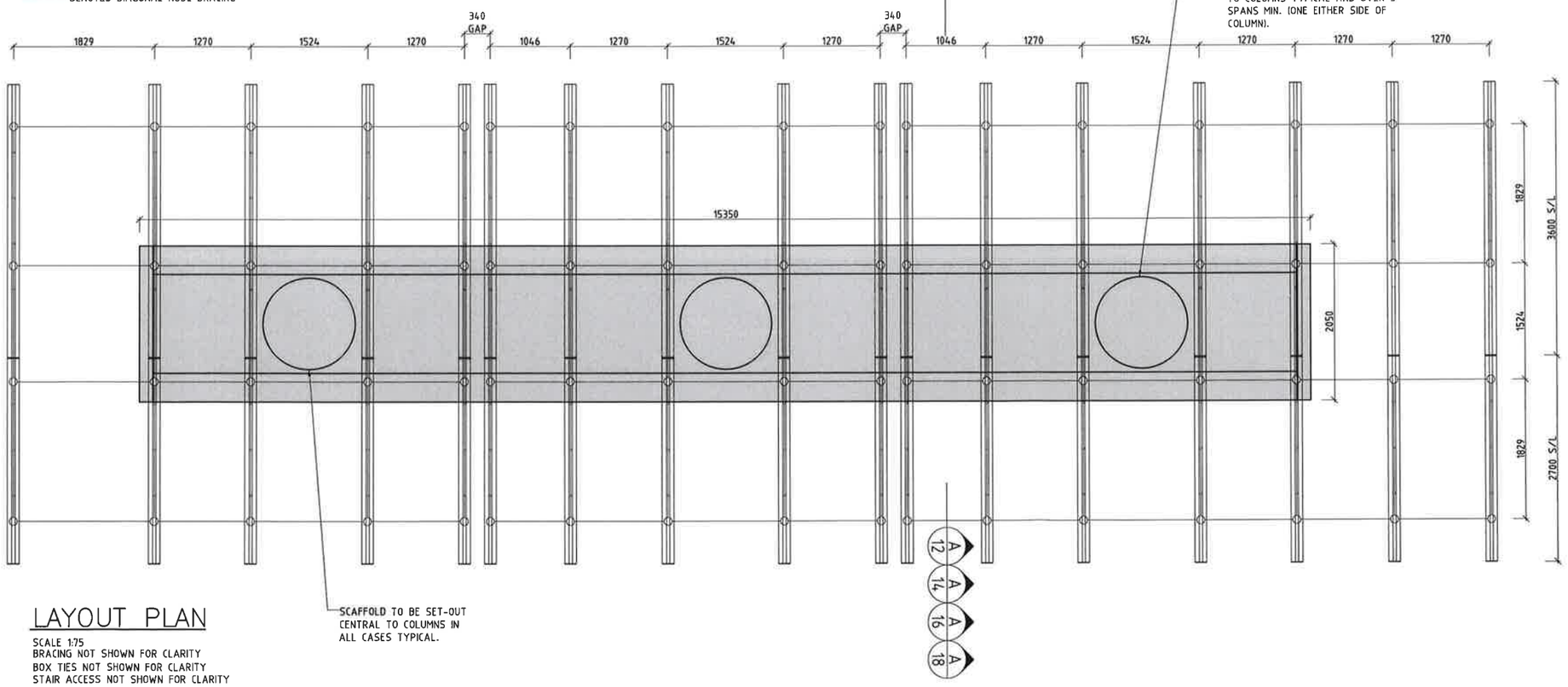
STAIR TOWER MUST BE TIED INTO FALSEWORK AT MAX. 3M VERTICAL LIFTS OR RAKER TIED AS PER TYPICAL DETAILS DWG 195028-120.

1500 DEEP HEADSTOCK

17-10-7 GRADE F14 PLYWOOD
95x65 LVL TRU-FORM JOIST SPACED
@ 150 CTRS TYPICAL UNDER CONCRETE LOAD
CONTINUOUS OVER THREE SPANS MINIMUM
SPANNING 1524mm MAX (AROUND COLUMNS)
JOIST MAYBE SPACED @ 400 CTRS ON WORKING DECK.
ACROW SLIM-LITE SOLDIER SPACED AS SHOWN, SPANNING
1524mm (UNDER CONCRETE) MAX.
LEG LOAD :- 60.0kN
MAX. ALLOWABLE JACK EXTENSIONS
300mm UN-BRACED 600mm BRACED

BRACING PLAN

SCALE 1:75
SOLDIERS NOT SHOWN FOR CLARITY
DENOTES SUPERCUPLOK LEDGER
DENOTES SCAFFOLD TUBE
DENOTES DIAGONAL NODE BRACING



LAYOUT PLAN

SCALE 1:75
BRACING NOT SHOWN FOR CLARITY
BOX TIES NOT SHOWN FOR CLARITY
STAIR ACCESS NOT SHOWN FOR CLARITY

SCAFFOLD TO BE SET-OUT CENTRAL TO COLUMNS IN ALL CASES TYPICAL.

DESIGN CERTIFIED
For & behalf of Acrow Formwork & Scaffolding
Jeremy Trickett MIEAust No.4254016
B.Eng (Civil) CPEng NER RPEQ 21887
Team Lead - QLD/TAS Engineering
J.Trickett
Date: 10/02/20 Ref #: JT20-527

REV	AMENDMENT	DRWN	CHKD	DATE
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B	ISSUED FOR CLIENT APPROVAL	M.C.G	J.T	05/02/20
A	ISSUED FOR CLIENT REVIEW	K.N	J.T	22/01/20

CLIENT: ROCKHAMPTON NORTHERN ACCESS UPGRADE

PROJECT: BR02 LIMESTONE CREEK BRIDGE SOUTHBOUND

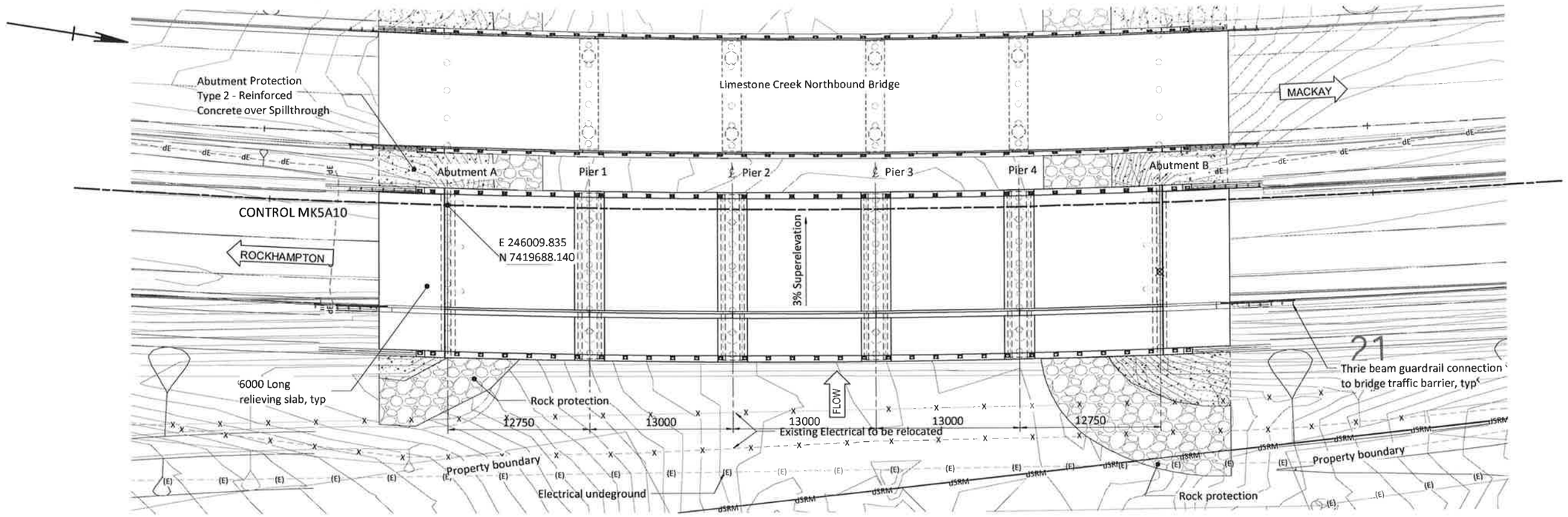
DESCRIPTION: TYPICAL PIER HEADSTOCK FALSEWORK SUPPORT BRACING & LAYOUT PLAN

ACROW SINCE 1938
Acrow Formwork & Scaffolding Pty Ltd

SHEET A3 | SCALE SHOWN
DRG No: 200020-10

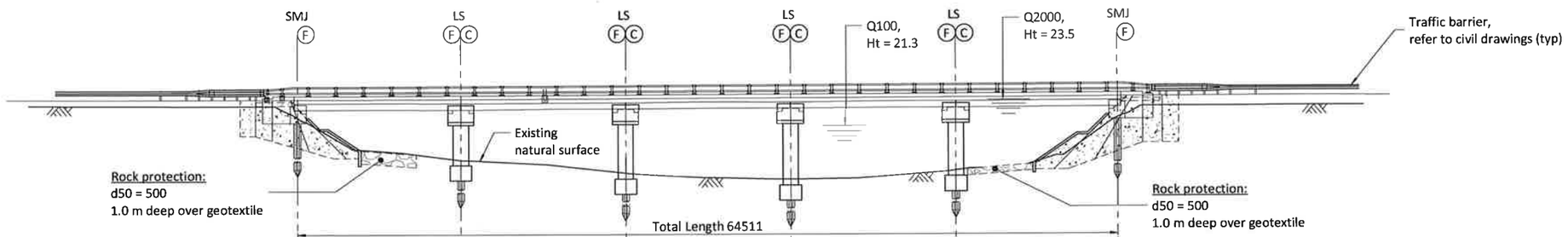
AECOM

PM79579 E246008.743 N7419686.802 Ht 22.762 (Stand)
PM46749 E246079.434 N7419546.497 Ht 23.835 (Existing PM - DDM)



GENERAL ARRANGEMENT PLAN

Scale A



Datum Ht 9.000

GRADE HEIGHT	23.258		23.296		23.335		23.374		23.413		23.452
SURFACE HEIGHT	21.780		18.450		17.420		16.915		17.595		21.730
CHAINAGE (CONTROL MK5A10)	8736.127	ABUT A	8748.881	PIER 1	8761.882	PIER 2	8774.882	PIER 3	8787.883	PIER 4	8800.637	ABUT B

LEGEND

(F)	Denotes fixed end of span.
(C)	Denotes continuous end of span.
SMJ	Denotes small movement joint, to allow for future jacking
LS	Denotes link slab in RC deck

NOTES

1. For NOTES, refer Drg No 780069.

SIMPLIFIED ELEVATION

Scale A

Rev	Revisions/Descriptions	Certification	Date	Microfiled
A	Issued For Construction			

12/5/2018 9:06:58 AM

CAD FILES | 60529982_BRI_BR02_LIMESTONE_CK_SB.rvt

BRIDGE DESIGN CRITERIA: DESIGN CODE: AS 5100 | DESIGN LOADING: SM1600 and HLP400 | DESIGN SPEED: 80 km/h | EARTHQUAKE ZONE: BEDC-3 | BARRIER PERFORMANCE LEVEL: Regular | BRIDGE TYPE: RC deck on PSC deck units | BIS No. 67079

Associated Job Nos | Auxiliary Drg Nos

Survey Data: Datum GDA 94; Horiz Grid MGA94/Z56; Height Origin AHD DERIVED; Survey Books MR100750

Scales: A 0 2 4 6 8 10m

Dimensions shown in millimeters except where shown otherwise

ROCKHAMPTON REGIONAL COUNCIL
BRUCE HIGHWAY (10F)
CTL CHGE 8125-13656
Through Chainage from INT. 10F & 196

Reference Points

Preceding RP	Dist. to start of job (km)	From start to end of job	From end to Following RP	Following RP
RP 3	3.81	5.52	3.32	RP 6

Drawn	T. Schiffke
Checked	M.Bridgman
Designed No.	S. Foster 13824
Verified No.	C. Maher
Design Reviews (RPEQ)	M.Fleet
No. 8534	Date. 4/12/18

LIMESTONE CREEK BRIDGE SOUTHBOUND
GENERAL ARRANGEMENT
PLAN AND ELEVATION

ENGINEERING CERTIFICATION (RPEQ)

ENG. AREA	NAME	SIGNATURE	NO.	DATE
Structural	S. Foster	S.Foster	13824	4/12/18

Queensland Government

Job No.	279/10F/127886
Contract No.	CN-8766
Drawing No.	780070 A
Series Number	GA-1 of 5
MRB_Detail (02/14)	BR Drgs 3 of 37