POINT LONSDALE LIGHTHOUSE RESERVE
DIRECTING & RANGING STATION - STRUCTURAL REMEDIAL WORKS
LOOKOUT



DIRECTING &
RANGING STATION

DRAWING INDEX

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SITE PLAN

NORTH

Permitted Use of All Drawings

FOR PRICING

NOT TO BE USED FOR CONSTRUCTION PURPOSES

NOTE: TYPICALLY FOR ALL DRAWINGS

(1) USAGE OF THIS DRAWING SENT BY ELECTRONIC FORM FOR PURPOSES OTHER THAN AS APPROVED BY QUATREFOIL CONSULTING IN WRITING; OR USE WITHOUT VERIFICATION AGAINST HARD COPY VERSIONS OF THE ELECTRONIC FORM AND TO THE STATED USE OF THE DRAWING, IS NOT PERMITTED. SUCH NON-PERMITTED USE IS AT THE USERS RISK.
(2) THE USE OF THE DRAWINGS IS TO BE IN ACCORDANCE WITH THE DEFINED USAGE INDICATED ON THE DRAWING. IF NONE GIVEN THE USER IS TO CHECK WITH QUATREFOIL CONSULTING.
(3) COPYRIGHT OF THIS DRAWING REMAINS WITH QUATREFOIL CONSULTING UNLESS THERE IS A CONTRACTUAL AGREEMENT WITH THE CLIENT.
(4) CONTRACTORS SHALL VERIFY ALL DIMENSIONING ON THIS DRAWING AND SITE CONDITIONS PRIOR TO WORKS COMMENCING.
(5) NO SCALING OF THE DRAWING IS PERMITTED. REFER ARCHITECTURAL DRAWINGS FOR SETOUT.
(6) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND SERVICE ENGINEERING DRAWINGS AND PROJECT SPECIFICATIONS.

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Issue	Date	Description
A	8/1/25	FOR REVIEW
B	4/3/26	FOR PRICING

Job: POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 - DIRECTING & RANGING STATION
SITE PLAN & DRAWING INDEX

Date	Scale
MAR 26	
Designed: D.H	Drawn: W.H
Job No: 7901	Drawing No: RW01-B

GENERAL

G1 THE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS, SPECIFICATIONS AND ANY WRITTEN INSTRUCTIONS ISSUED DURING THE COURSE OF THE CONTRACT. DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER FOR DECISION BEFORE PROCEEDING WITH WORK.

G2 DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.

G3 SUBSTITUTES WILL NOT BE PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

G4 DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART OF THE STRUCTURE SHALL BE OVERSTRESSED AS A RESULT OF THE CONSTRUCTION PROCEDURE.
TEMPORARY WORKS Eg ALL PROPPING, FORMWORK, NEEDLING AND PROPPING AND ALL HANDLING OPERATIONS SHALL BE THE RESPONSIBILITY OF THE BUILDER.
WHERE THESE ACTIVITIES ARE MORE THAN ROUTINE CONVENTIONAL PRACTICE, THE BUILDER SHALL ENGAGE A RBP ENGINEER TO PROVIDE A CERTIFIED DESIGN FOR REVIEW BY THIS OFFICE PRIOR TO PERFORMING THIS WORK.

G5 MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
- THE SPECIFICATION,
- THE CURRENT REVISION OF ALL RELEVANT SAA CODES,
- THE REQUIREMENTS OF THE VICTORIA BUILDING REGULATIONS,
- THE BUILDING CODE OF AUSTRALIA,
- LOCAL AUTHORITIES AND THE PROVISIONS OF THE CURRENT HEALTH AND OCCUPATIONAL HEALTH AND SAFETY ACT.

G6 UNLESS NOTED OTHERWISE ON A PARTICULAR DRAWING THESE NOTES SHALL APPLY.

G7 THE FOLLOWING DESIGN LIVE LOADS HAVE BEEN ADOPTED FOR THIS PROJECT:
FLOOR 4.0 kPa.
ROOF (1.8/A + 0.12) or 0.25 kPa.

G8 WIND LOADING
IMPORTANCE LEVEL - 2
TERRAIN CATEGORY - 3
ANNUAL PROBABILITY OF EXCEEDENCE:
STRENGTH LIMIT STATE DESIGN - 1 in 500
SERVICEABILITY LIMIT STATE DESIGN - 1 in 25
SITE GUST WIND SPEEDS:
STRENGTH LIMIT STATE DESIGN - 33.6 m/s
SERVICEABILITY LIMIT STATE DESIGN - 27.6 m/s

G9 EARTHQUAKE LOADING
ANNUAL PROBABILITY OF EXCEEDENCE:
STRENGTH LIMIT STATE DESIGN - 1 in 500
EARTHQUAKE DESIGN CATEGORY - AS1170.4 App A

G10 CONTRACTORS SHALL ENSURE THAT LOCATIONS OF ALL UNDERGROUND SERVICES ARE IDENTIFIED PRIOR TO COMMENCEMENT OF WORKS AND EXCAVATIONS.

G11 SITE DRAINAGE SHALL BE MANAGED BY THE BUILDER DURING CONSTRUCTION TO PREVENT EROSION OF BATTERS AND PONDING OF WATER AROUND AND AGAINST FOOTINGS ETC.

CONCRETE NOTES

C1 ALL CONCRETE AND CONCRETE PRACTICE SHALL BE IN ACCORDANCE WITH AS3600 CONCRETE STRUCTURES CODE.

C2 ALL INSITU CONCRETE SHALL HAVE A CHARACTERISTIC STRENGTH F'c = 40 MPa AT 28 DAYS AND A MAXIMUM DRYING SHRINKAGE OF 700 MICRONS.

C3 CONCRETE ELEMENTS SHOWN ON THE DRAWING MUST NOT BE REDUCED IN ANY WAY WITHOUT THE ENGINEERS APPROVAL. NO HOLES, CHASES, OR EMBEDMENTS, OTHER THAN THOSE SHOWN WILL BE PERMITTED IN ANY CONCRETE ELEMENTS WITHOUT THE ENGINEERS APPROVAL.

C4 COVER
CLEAR COVER TO REINFORCEMENT SHALL BE LISTED BELOW UNLESS NOTED OTHERWISE ON THE DRAWINGS.

SUSPENDED SLABS	40mm
BEAMS	40mm U.N.O

C5 CONCRETE COVER SHALL BE MAINTAINED BY THE USE OF APPROVED CHAIRS AT MAX 1000mm CRS. CONDUITS, PIPE ETC. ARE NOT TO BE PLACED WITHIN THE CONCRETE COVER.

C6 ALL MILD STEEL BRACKETS, BOLTS ETC. EMBEDDED IN THE CONCRETE SHALL BE HOT DIP GALVANISED.

C7 ALL CONCRETE SHALL BE ADEQUATELY VIBRATED WHEN PLACED IN POSITION. SLUMP TO BE 75 ± 15mm.

C8 ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH THE SPECIFICATION OR TO THE APPROVAL OF THE ENGINEER. WHERE NO SPECIFICATION IS PROVIDED CURING SHALL BE PROVIDED BY THE USE OF WATER PONDING FOR A MINIMUM OF 7 DAYS. CURING SHALL COMMENCE IMMEDIATELY AFTER THE CONCRETE HAS REACHED ITS INITIAL SET.

C9 MINIMUM TIMES, AS NOTED IN THE SPECIFICATION, SHALL ELAPSE BEFORE THE REMOVAL OF ANY FORMWORK OR PROPS TO FORMED ELEMENTS. NO MASONRY WALLS SHALL BE BUILT ON SUSPENDED ELEMENTS UNTIL AFTER ALL THE REMOVAL OF ALL FORMS AND PROPS.

C10 THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND PAY ALL COSTS FOR PROVIDING COMPUTATIONS AND CERTIFICATE OF COMPLIANCE BY A QUALIFIED ENGINEER EXPERIENCED IN FORMWORK DESIGN, BACK PROPPING AND OTHER DETAILS NECESSARY FOR THE SAFE CASTING OF INSITU CONCRETE ELEMENTS.
PRIOR TO CASTING, THE CONTRACTOR SHALL ALSO BE RESPONSIBLE AND PAY ALL COSTS FOR PROVIDING CERTIFICATE OF COMPLIANCE FROM THE DESIGN ENGINEER TO VERIFY THAT THE FORMWORK AND BACK PROPPING HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN.

C11 WHERE THE STRUCTURAL DRAWINGS INDICATED THAT REINFORCEMENT BARS OR OTHER FITMENTS ARE REQUIRED TO BE EPOXY GROUTED INTO CONCRETE ELEMENTS, THE INSTALLATION AND PREPARATION PRIOR TO THE APPLICATION OF THE SPECIFIED EPOXY GROUT SHALL BE INSPECTED AND APPROVED BY THE CONSULTING ENGINEER OR THE SPECIALIST SUPPLIER OF THE GROUT. THE BUILDER SHALL ARRANGE FOR SUCH APPROVAL BY GIVING 48 HOURS NOTICE TO THE CONSULTING ENGINEER.

REINFORCEMENT NOTES

R1 REINFORCEMENT IS PRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY SHOWN IN TRUE PROJECTION.

R2 ALL REINFORCEMENT USED IN CAST IN-SITU CONCRETE ON THIS SITE SHALL BE ANCON STAIRIB 316 STAINLESS STEEL REINFORCEMENT UNLESS NOTED OTHERWISE.

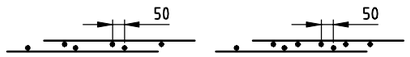
R3 ALL REINFORCEMENT SUPPLIED TO SITE SHALL BE MANUFACTURED AND PROCESSED BY HOLDERS OF A VALID CERTIFICATE OF APPROVAL ISSUED BY THE AUSTRALIAN CERTIFICATION AUTHORITY FOR REINFORCING STEEL LTD (ACRS), OR TO AN EQUIVALENT APPROVED CERTIFICATION SYSTEM.

R4 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS SHOWN AND AS PER DETAILS OR AS OTHERWISE APPROVED BY THE ENGINEER.

R5 ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED IN ITS CORRECT POSITION DURING CONCRETING BY APPROVED BAR CHAIRS, SPACERS OR SUPPORT BARS.

R6 SPLICES IN FABRIC TO BE 2 LONGITUDINAL WIRES + 25mm SPLICE TO BARS AS SHOWN.

R7 LAPPING REINFORCEMENT

MESH 

TRENCH MESH 500mm FULL WIDTH AT INTERSECTION

BAR SIZE	TOP BARS (300 OR MORE CONCRETE BELOW)	OTHER BARS
N12	500	400
N16	800	600
N20	1100	850
N24	1400	1100
N28	1750	1350
N32	2100	1600
N36	2450	1900

R8 THE NOTATION LISTED BELOW FOR REINFORCEMENT LAYERS WHERE SHOWN ON THE STRUCTURAL DRAWINGS SHALL INDICATE THE FOLLOWING:

UT	UPPER TOP LAYER
LT	LOWER TOP LAYER
UB	UPPER BTM LAYER
LB	LOWER BTM LAYER
EF	EACH FACE
EW	EACH WAY
CP	CENTRALLY PLACED

R9 BENDING
BENDING OF BARS ON SITE SHOULD BE AVOIDED.
REFER TO MANUFACTURERS REQUIREMENTS WHERE BENDING ON SITE IS UNAVOIDABLE.

STRUCTURAL STEELWORK

S1 DESIGN CONFORMS TO AS4100-1998 AND AS1538-1988. FABRICATION AND ERECTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PROVISIONS OF AS4100 AND SAA/SNZ HB62, AS APPROPRIATE, WHERE NO APPLICABLE PROVISIONS ARE CONTAINED IN AS4100. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS.

S2 MATERIAL
UNLESS NOTED OTHERWISE ALL MATERIAL TO BE:
- GRADE 300 HOT ROLLED PLATES COMPLYING WITH AS3678;
- GRADE 300 HOT ROLLED FLATS;
- GRADE 300PLUS UB, UC, PFC, TFC, TFB, AND ANGLES;
- GRADE 300 WB, WC COMPLYING WITH AS3679.2;
- GRADE C350 RHS, CHS COMPLYING WITH AS1163.
- GRADE 450 COLD FORMED SECTIONS, eg PURLINS

S3 WELDING
WELDING TO BE CARRIED OUT IN ACCORDANCE WITH AS1554.1. WELDING CONSUMABLES TO BE E48XX OR W50X U.N.O. ALL WELDS TO BE 6mm CFW SP CATEGORY U.N.O. INSPECTION TO BE CARRIED OUT TO AS1554.1 ALL GP/SP WELDS TO BE 100% VISUALLY SCANNED. SP WELDS ALLOW FOR VISUAL EXAMINATION IN ACCORDANCE WITH AS4100 TABLE 13.3.4.2.

S4 BOLTING
BOLTS ARE TO BE STAINLESS STEEL M20 dia COMPLYING WITH AS1252 U.N.O. BOLT CATEGORY IS TO BE 8.8/S COMPLYING WITH AS4100 U.N.O. THREADS MAY BE INCLUDED IN SHEAR PLANES U.N.O.

S5 CORROSION PROTECTION
THE FOLLOWING ARE SUMMARY SPECIFICATIONS. REFER TO PAINT PROVIDER SUCH AS DULUX PROTECTIVE COATINGS FOR FULL SPECIFICATION AND PAINT SYSTEM REQUIREMENTS.
EXTERNAL STEELWORK - INCLUDING ALL NEW PROPS & END PLATES:
3 COAT EPOXY HIGH BUILD SYSTEM AS FOLLOWS:
- CLEAN & SAND BLAST STEELWORK TO CLASS 2½ IN ACCORDANCE WITH AS1627.
- FIRST COAT: ZINCANODE 402 EPOXY ZINC PRIMER TO A DRY FILM THICKNESS OF 75μm.
- SECOND COAT: FERREKO No. 3 MIO EPOXY TO A DRY FILM THICKNESS OF 100μm BEFORE DISPATCH TO SITE.
- THIRD COAT: FERREKO No. 3 MIO EPOXY TO A DRY FILM THICKNESS OF 100μm BEFORE DISPATCH TO SITE.
- OVERCOAT WITH COMPATIBLE TOP COAT OF COLOR TO BE ADVISED.

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

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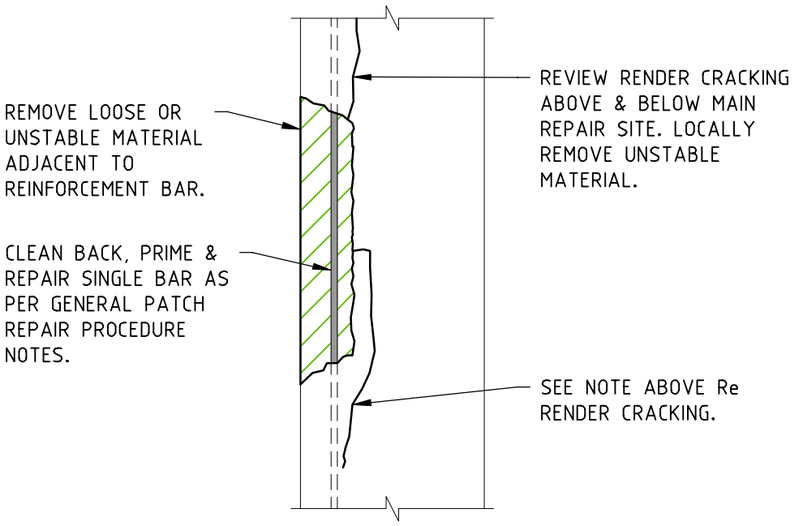
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Issue	Date	Description
A	8/1/25	FOR REVIEW
B	4/3/26	FOR PRICING

Job POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title BUILDING 2 - DIRECTING & RANGING STATION
GENERAL NOTES (Sheet 1)

Date	Scale
MAR 26	
Designed D.H	Drawn W.H
Job No 7901	Drawing No RW02-B



TYPICAL PATCH REPAIR DETAIL

SCALE = 1:10

TYPICAL PATCH REPAIR PROCEDURE:

SUITBLE FOR LOCAL PATCH REPAIRS ONLY. FOR LARGER AREA CONCRETE REPAIRS REFER TO ENGINEER AND TO STONE INITIATIVES PTY LTD CONCRETE TESTING REPORT.

(1) IN GENERAL, REMOVE LOOSE AND DRUMMY CONCRETE FROM NOMINATED AREAS TO EXPOSE UNDERLYING REINFORCEMENT. EXPECTED EXTENT IS AS SHOWN ON THE DETAILS AND ELEVATIONS. REQUIREMENT TO REMOVE IN EXCESS OF THE EXPECTED EXTENT SHOULD BE REVIEWED AND CONFIRMED AT THE TIME OF CONSTRUCTION.

(2) POWER WIRE BRUSH CLEAN THE EXISTING EXPOSED REINFORCEMENT TO CONFIRM THE DEGREE OF MATERIAL LOSS AND THE NEED FOR SUPPLEMENTARY REINFORCEMENT. ALLOW TO PROVIDE ADDITIONAL REINFORCEMENT AS DETAILED.

(3) EXTEND CONCRETE REMOVAL AND REINFORCEMENT CLEANING BEYOND THE CRACKED AREAS TO ESSENTIALLY UNAFFECTED REINFORCEMENT AS REQUIRED. THE EXTENT OF FURTHER REMOVAL AND REMEDIATION IS TO BE CONFIRMED ON SITE WITH THE ENGINEER AT THE TIME OF THE WORKS.

(4) COAT THE EXISTING REINFORCEMENT WITH TWO COATS OF SIKATOP 110 EPOCEM OR SIMILAR APPROVED. APPLY THE FIRST COAT AND ALLOW TO DRY BEFORE APPLYING THE SECOND COAT.

(5) AFTER THE APPLICATION OF THE EPOCEM, PRIME ALL SCABBLED CONCRETE SURFACES AND REINFORCEMENT WITH SIKADUR 32 PRIMER. ALL SURFACES TO RECEIVE REPAIR MORTAR SHALL BE PRIMED.

(6) WHEN SIKADUR 32 IS TACKY, MIX AND PLACE REPAIR MORTAR TO SPECIFICATIONS TO BE CONFIRMED AFTER GENERAL CONCRETE TESTING. ALLOW FOR CEMENTITIOUS LOW STRENGTH REPAIR MORTAR WITH 10mm MAXIMUM AGGREGATE SIZE. FINAL SPECIFICATION TO BE CONFIRMED.

(7) ALL MATERIALS SHALL BE APPLIED AND CURED STRICTLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

(8) FEATHER EDGING SHALL NOT BE USED. MINIMUM DEPTH OF REPAIR MORTAR = 10mm. CUT EXISTING CONCRETE PROFILE TO SUIT.

(9) EXISTING CONCRETE PROFILE AND RENDER FINISH SHALL BE ACCURATELY REINSTATED. ALLOW FOR RENDER THICKNESS AS PER EXISTING WHEN PLACING REPAIR MORTAR. RENDER MIX TO BE CONFIRMED ON SITE. ALLOW FOR 1:2:9 CEMENT: HYDRATED LIME: SHARP SAND MIX.

Note: This page applies to the Permit Application for conservation works

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

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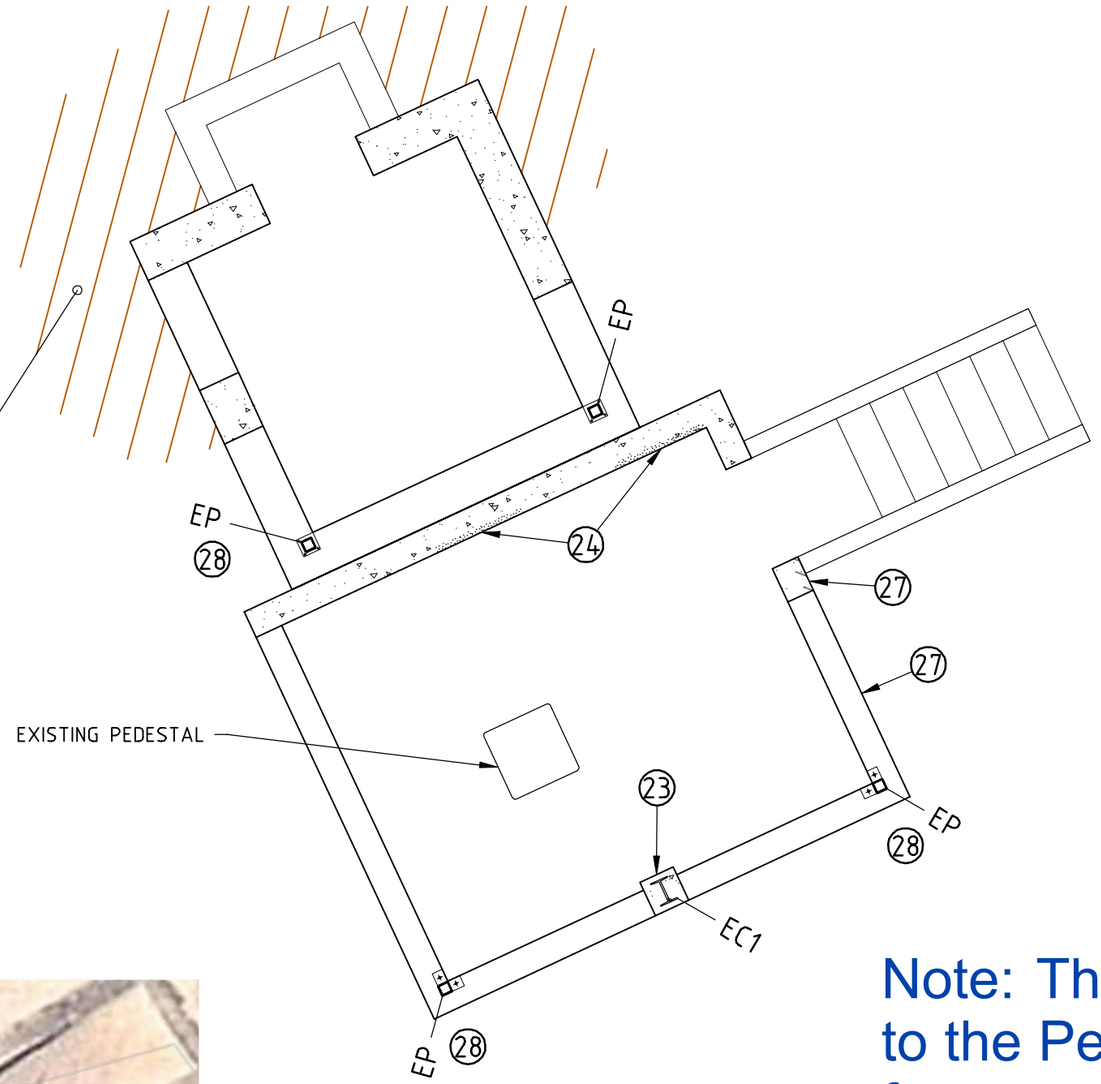
Job: POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 - DIRECTING & BUILDING STATION TYPICAL DETAILS

Date	Scale
MAR 26	AS NOTED
Designed	Drawn
D.H	W.H
Job No	Drawing No
7901	RW03-B

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

NORTH



GENERAL BUILDING PLAN

ROOF PLAN



AERIAL VIEW

Note: This page applies to the Permit Application for conservation works

0m 0.5m 1.0m 1.5m 2.0m 2.5m 5.0m

FOR REMEDIAL WORKS SCHEDULE
REFER DRAWING No RW22.

EXISTING MEMBER SCHEDULE

MARK	SIZE	GRADE	REMARKS
EB1	NOM 8" x 6" RSJ	T.B.C.	EXISTING ENCASED STEEL BEAM.
EB2	NOM 8" x 4" RSJ ESTIMATED	T.B.C.	EXISTING CANTILEVER BEAM CAST WITHIN ROOF SLAB.
EC1	NOM 12" x 6" RSJ	T.B.C.	EXISTING ENCASED STEEL COLUMN.
EP	89 x 89 SHS	C350	EXISTING ADDITIONAL CORNER POST.

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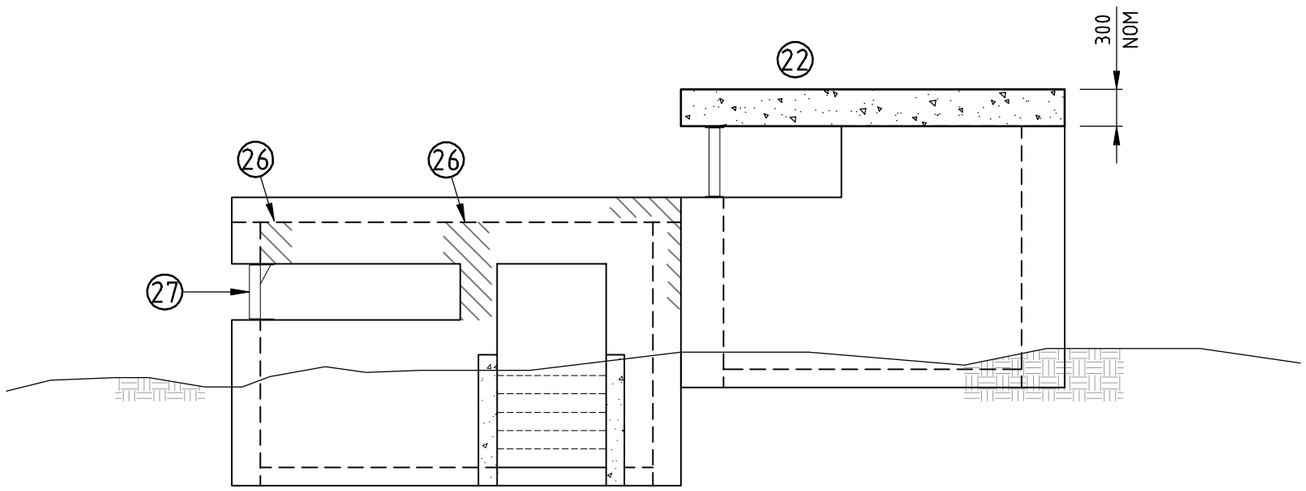
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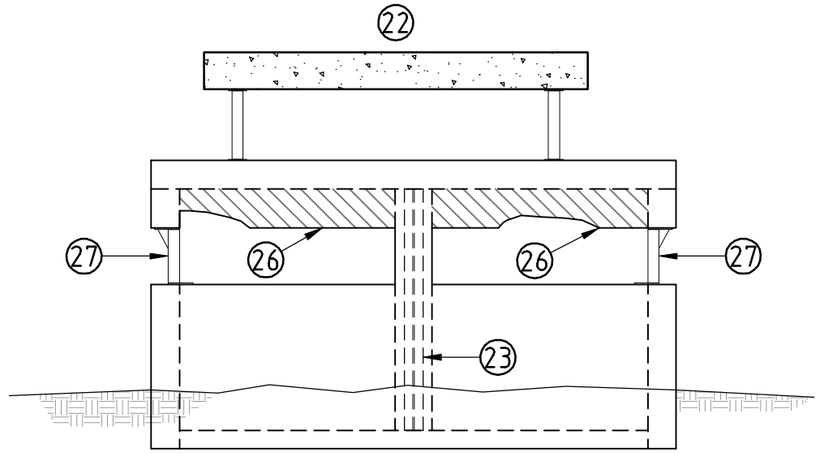
Job: POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 - DIRECTING & RANGING STATION
SITE & BUILDING PLANS

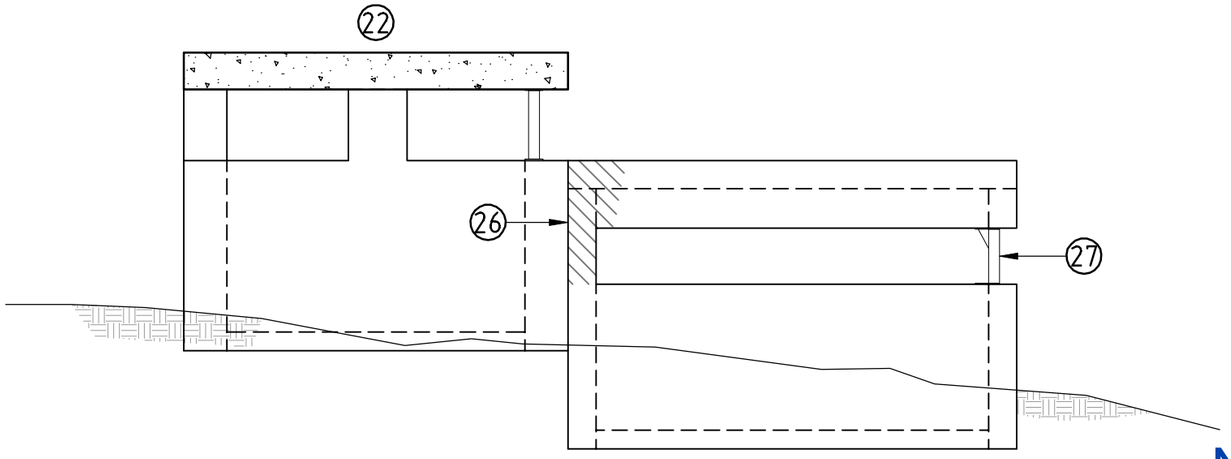
Date	Scale
MAR 26	1:50
Designed: D.H	Drawn: W.H
Job No: 7901	Drawing No: RW20-B



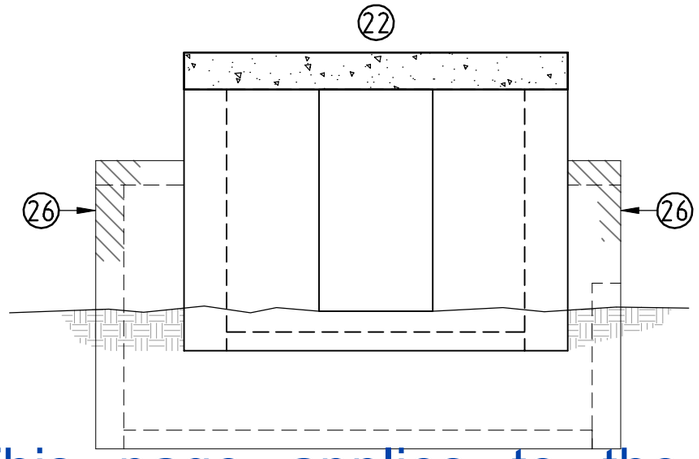
NORTH EAST ELEVATION



SOUTH EAST ELEVATION



SOUTH WEST ELEVATION



NORTH WEST ELEVATION

Note: This page applies to the Permit Application for conservation works

FOR REMEDIAL WORKS SCHEDULE
REFER DRAWING No RW22.

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

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Issue	Date	Description
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B	4/3/26	FOR PRICING

Job: POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 - DIRECTING & RANGING STATION ELEVATIONS

Date	Scale
MAR 26	1:50
Designed	Drawn
D.H	W.H
Job No	Drawing No
7901	RW21-B

REMEDIAL WORKS SCHEDULE

ITEM	DESCRIPTION	DETAIL
(21)	PROTRUDING STEEL: REMOVE EXPOSED / PROTRUDING REINFORCEMENT AND CAST IN METAL ELEMENTS. CUT BACK JAGGED CONCRETE FACE TO SQUARE UP EXTENT TO BE CONFIRMED ON SITE PRIOR TO CUTTING. COAT EXPOSED STEEL AND CONCRETE SURFACE WITH SIKA FERROGUARD-903 PLUS TO MANUFACTURERS INSTRUCTIONS SUBJECT TO APPROVAL OF TRIAL REPAIR AS DESCRIBED IN ITEM 22.	
(22)	UPPER ROOF SLAB RECONSTRUCTION: DEMOLISH AND RECONSTRUCT THE EXISTING ROOF SLAB. REFER DETAILS.	REFER TO DRAWING No S24
(23)	EXPOSED COLUMN AND BEAM FLANGES CLEAN BACK EXPOSED STEELWORK FLANGES TO REMOVE LOOSE CORROSION PRODUCTS AND REMOVE LOOSE OR UNSTABLE CONCRETE ADJACENT. COAT THE EXPOSED STEEL WITH TWO COATS OF ZINC RICH PRIMER. ALLOW PC ITEM OF $2000 FOR FURTHER WORKS TO BE CONFIRMED ON SITE AFTER FULL EXPOSURE.	
(24)	LOCAL INTERNAL WALL PATCH REPAIR: REMOVE LOOSE AND DRUMMY CONCRETE FROM WALL AND REPAIR AS PER TYPICAL LOCAL PATCH REPAIR DETAIL. ALLOW FOR 2 SQ.M OF PATCH REPAIR FOR THIS BUILDING. REFER TYPICAL DETAIL.	
(25)	UNSTABLE BEAM ENCASEMENT: LOCALLY REMOVE LOOSE / UNSTABLE / DETACHED CONCRETE BEAM ENCASEMENT. TREAT EXPOSED BEAM STEEL AS PER ITEM 23.	
(26)	TOP SURFACE SPALL: LOCALLY REMOVE LOOSE AND UNSTABLE CONCRETE AROUND REINFORCEMENT AND ENCASED STEEL BEAMS AT NOMINATED AREAS. COAT STEEL AND EXPOSED BARS WITH SIKA FERROGUARD -903 PLUS. ADDITIONAL RE-ENCASEMENT EXTENT, CONCRETE SPECIFICATION AND AND DETAILS TO BE CONFIRMED ON SITE AT TIME OF REPAIRS. REFER TO GENERAL CONCRETE REPAIR NOTES ON DRAWING RW10 FOR INDICATIVE MIX PROPORTIONS BUILDER TO ALLOW PC ITEM FOR RE-ENCASEMENT OF $2000 FOR SUBTRACTION IF NOT ADOPTED.	

REMEDIAL WORKS SCHEDULE

ITEM	DESCRIPTION	DETAIL
(27)	EXISTING PROPS: PREPARE AND PAINT EXISTING PROPS WITH TWO COATS OF ZINC RICH PRIMER TO MANUFACTURERS INSTRUCTIONS. ALLOW TO OVERCOAT WITH LONG TERM EPOXY PAINT SYSTEM AS PER EXISTING STEELWORK PROTECTION NOTES.	
GENERAL	CLEAR OUT SAND AND RUBBLE FROM INTERNAL FLOOR AREAS.	
	ALLOW TO PROVIDE PROTECTIVE COATING OF DULUX SURFACE SHIELD HD OVER THE TOP SURFACE OF UPPER AND LOWER ROOF SLABS TO LIMIT MOISTURE PENETRATION THROUGH THE SLAB. REFER TO SPECIFICATION NOTES.	
	LOCALLY REMOVE VEGETATION ADJACENT TO EXTERNAL WALLS FOR EXTENT SHOWN ON PLAN. EXTENT TO BE CONFIRMED BY BOROUGH OF QUEENSCLIFFE.	

Note: This page applies to the Permit Application for conservation works

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

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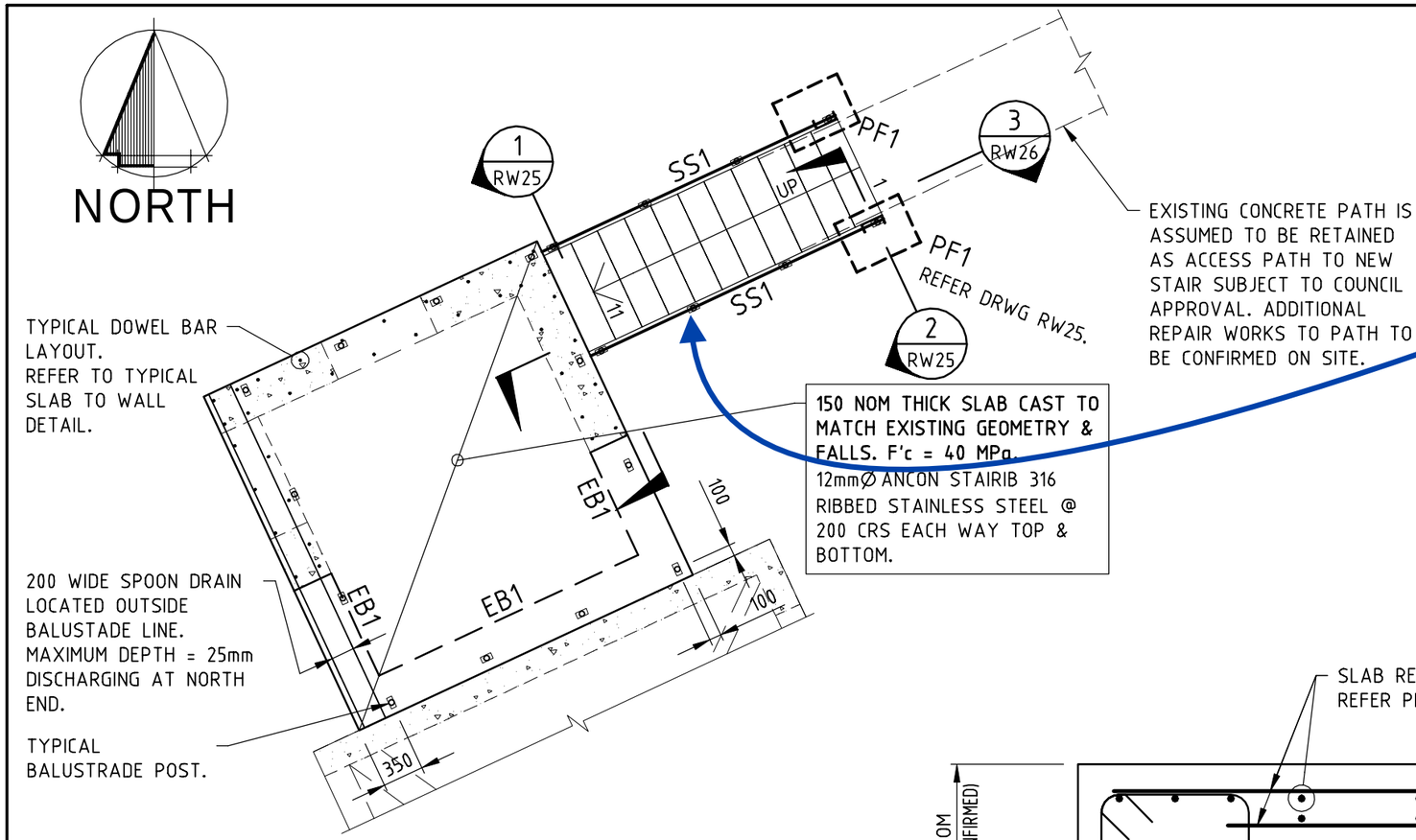
ACCURACO PROJECT MANAGEMENT
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Telephone (03) 9779 0000
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Issue	Date	Description
A	8/1/25	FOR REVIEW
B	4/3/26	FOR PRICING

Job: POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 - DIRECTING & RANGING STATION
REMEDIAL WORKS SCHEDULE

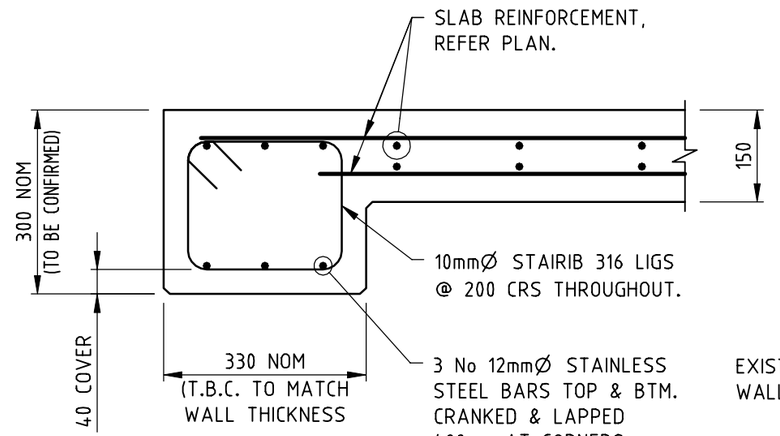
Date: MAR 26
Scale:
Designed: D.H
Drawn: W.H
Job No: 7901
Drawing No: RW22-B



Note: The proposed stair is subject to the permit addressing the amenity upgrade of the Lighthouse Reserve rather than the permit for conservation works.

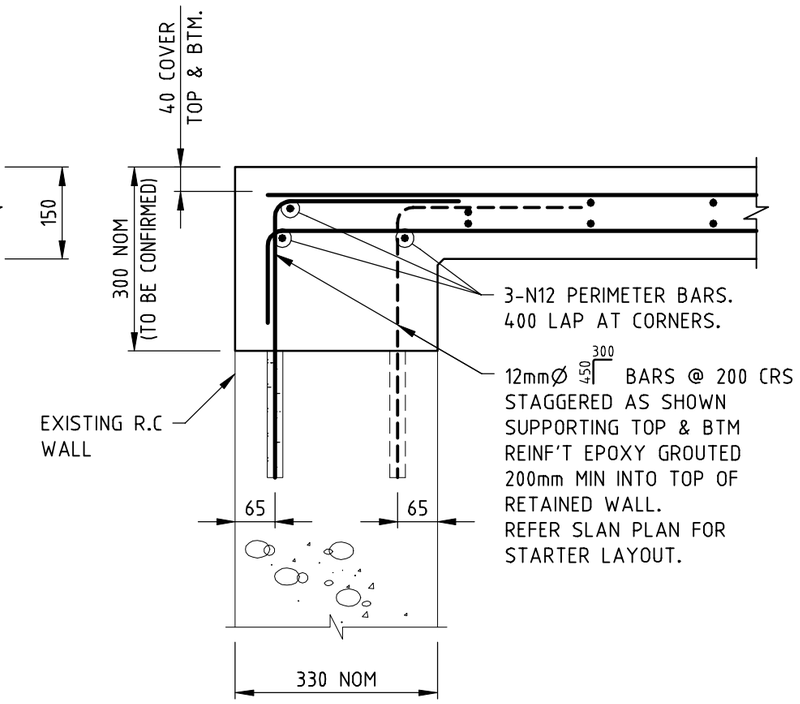
NEW UPPER ROOF SLAB PLAN

0m 0.5m 1.0m 1.5m 2.0m 2.5m 5.0m



EB1 TYPICAL DETAIL

SCALE = 1:10



TYPICAL SLAB TO EXISTING WALL DETAIL

SCALE = 1:10

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

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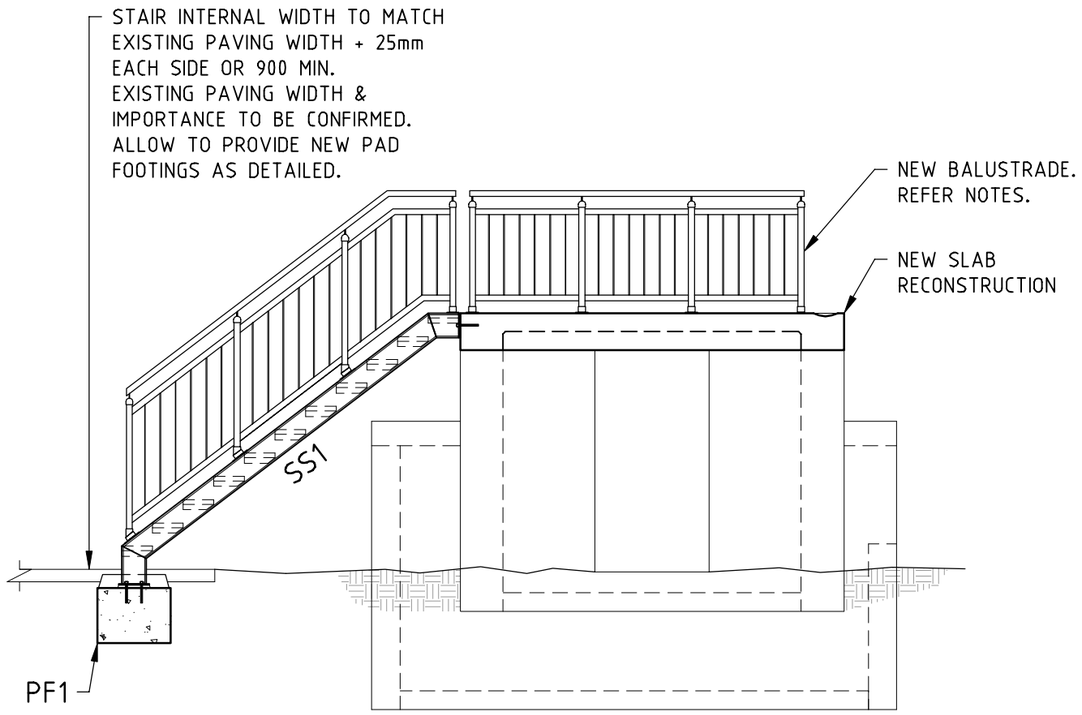
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Issue	Date	Description
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Job: POINT LONSDALE LIGHTHOUSE RESERVE STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 - DIRECTING & RANGING STATION UPPER SLAB RECONSTRUCTION DETAILS

Date	Scale
MAR 26	AS NOTED
Designed D.H	Drawn W.H
Job No 7901	Drawing No RW23-B



PLATFORM ACCESS STAIR ELEVATION

SCALE = 1:50

GENERAL DESIGN NOTES

THE VIEWING PLATFORM AND ACCESS STAIR DETAILS DO NOT COMPLY WITH AS1428.1 FOR DISABILITY ACCESS.
THE NOMINATED STAIR WIDTH OF (900mm + 25mm CLEARANCE EACH SIDE) IS TO APPROXIMATELY MATCH WHAT APPEARS TO BE THE ORIGINAL STAIR WIDTH.

STAIR RISERS AND TREADS ARE TO BE BCA AND AS1657 RECOMMENDATIONS.
STAIR: BCA CLAUSE D2.13 / SA1657 Cl. 7.2.1
BALUSTRADE: BCA CLAUSE D2.16A = 1000mm
FINAL RISER AND GOING DIMENSIONS TO BE CONFIRMED BY SURVEY OF EXISTING LEVELS AND ON DECISION ON HOW TO TREAT THE EXISTING APPROACH PAVING.
THESE DRAWINGS ASSUME THE EXISTING PATH WILL BE RETAINED AND USED TO ACCESS THE NEW STAIR.

STAIR TREADS AND LANDING ARE NOMINATED AS FIBRE REINFORCED PLASTING GRATING BY WEBFORGE. REFER TO MANUFACTURER FOR PRODUCT DETAILS.

DESIGN LIVE LOAD = 4.0 kPa.

NEW STAIR NOTES

SS1:
200 x 75 PFC (300). FSBW AT CRANKS. TOES OUTWARD.

TREADS:
WEBFORGE FRP G38619 MINIMESH (DARK GREY) OR SIMILAR APPROVED FIXED TO SS1 WITH 45 x 45 x 5 EA BRACKETS WELDED TO STAIR PRIOR TO OFF SITE SHOP PAINTING.
USE PROPRIETARY STAINLESS STEEL FIXING CLEATS AND SCREWS TO MANUFACTURERS DETAILS.

STAIR BALUSTRADE
AS PER TYPICAL BALUSTRADE DETAILS.
SHOP WELD TO TOP FLANGE OF SS1 PRIOR TO OFF SITE SHOP PAINTING AND INSTALL AS A COMBINED SS1/RAILING UNIT ON SITE.

PLATFORM BALUSTRADE NOTES

BALUSTRADE SHOWN IS INDICATIVE ONLY AND INTENDED TO NE USED AS A GUIDE FOR COST BUDGETING PURPOSES ONLY. FINAL DESIGN CONFIRMATION BY HERITAGE ARCHITECT.

BALUSTRADE TO STAIR & VIEWING PLATFORMS TO BE PROPRIETARY VERTICAL BAR BARRIER BY UNIFIT, DESIGNED & CERTIFIED BY OTHERS FOR OCCUPANCY C3 TO AS/NZS1170.1:2000 TABLE 3.3.

ALLOW FOR:

BALUSTERS: 48.3ØØ x 3.2 CHS (250) AT INDICATED SPACING.
RAILS: 42.4ØØ x 3.2 CHS (250)
INFILL: 12mmØØ BARS AT 115mm CENTRES.

- PROVIDE ADDITIONAL TOP BAR TO MANUFACTURERS DETAILS AS INDICATED ON ELEVATION.
- BALUSTRADE SECTIONS TO BE FABRICATED & INSTALLED BY MANUFACTURER.
- SHOP PRIME & PAINT ON SITE AFTER INSTALLATION WITH NOMINATED PAINT SYSTEM OR SIMILAR APPROVED TOP COAT TO MATCH STAIR & STAIR RAIL.

CORROSION PROTECTION

ALL STEELWORK AND BALUSTADES TO BE PREPARED AND PAINTED OFF SITE PRIOR TO INSTALLATION ON SITE AND PROVIDED WITH FINAL TOP COAT.
REFER TO CORROSION PROTECTION NOTES ON DRAWING No RW02.

Note: This page applies to the Permit Application for amenity upgrade of the Lighthouse Reserve, which includes the stair and balustrading to the former Direction and Ranging Station but not conservation works

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

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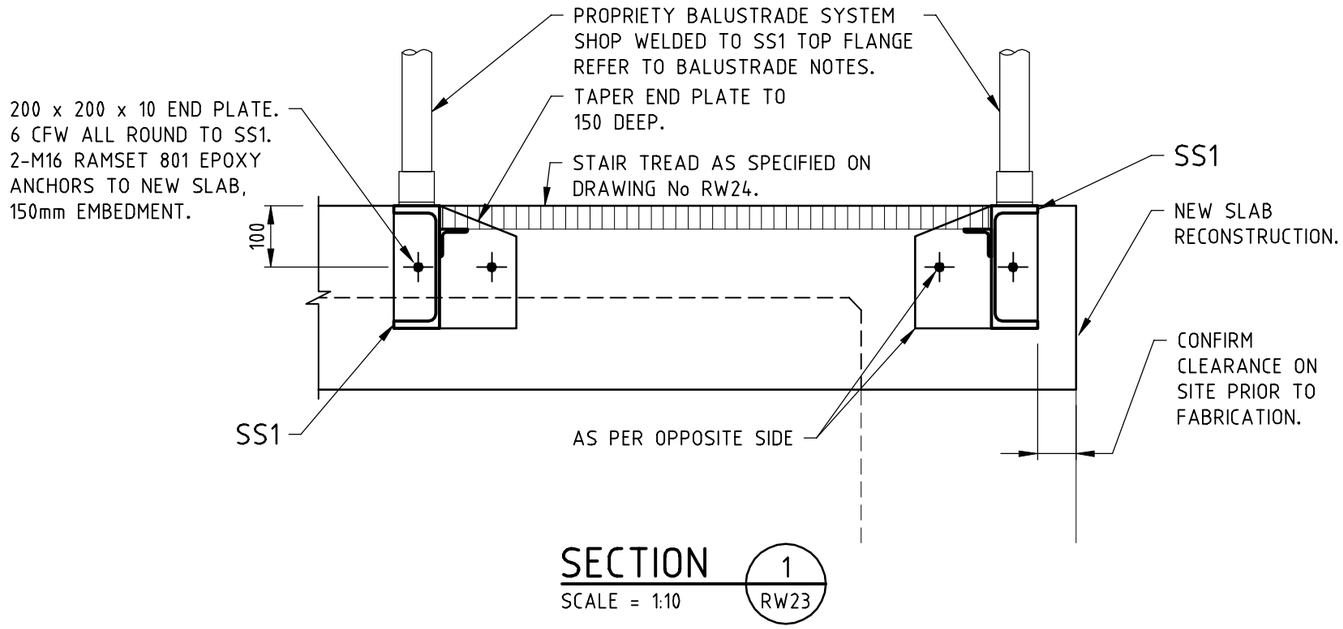
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Issue	Date	Description
A		NOT ISSUED
B	4/3/23	FOR PRICING

Job: POINT LONSDALE LIGHTHOUSE RESERVE STRUCTURAL REMEDIAL WORKS

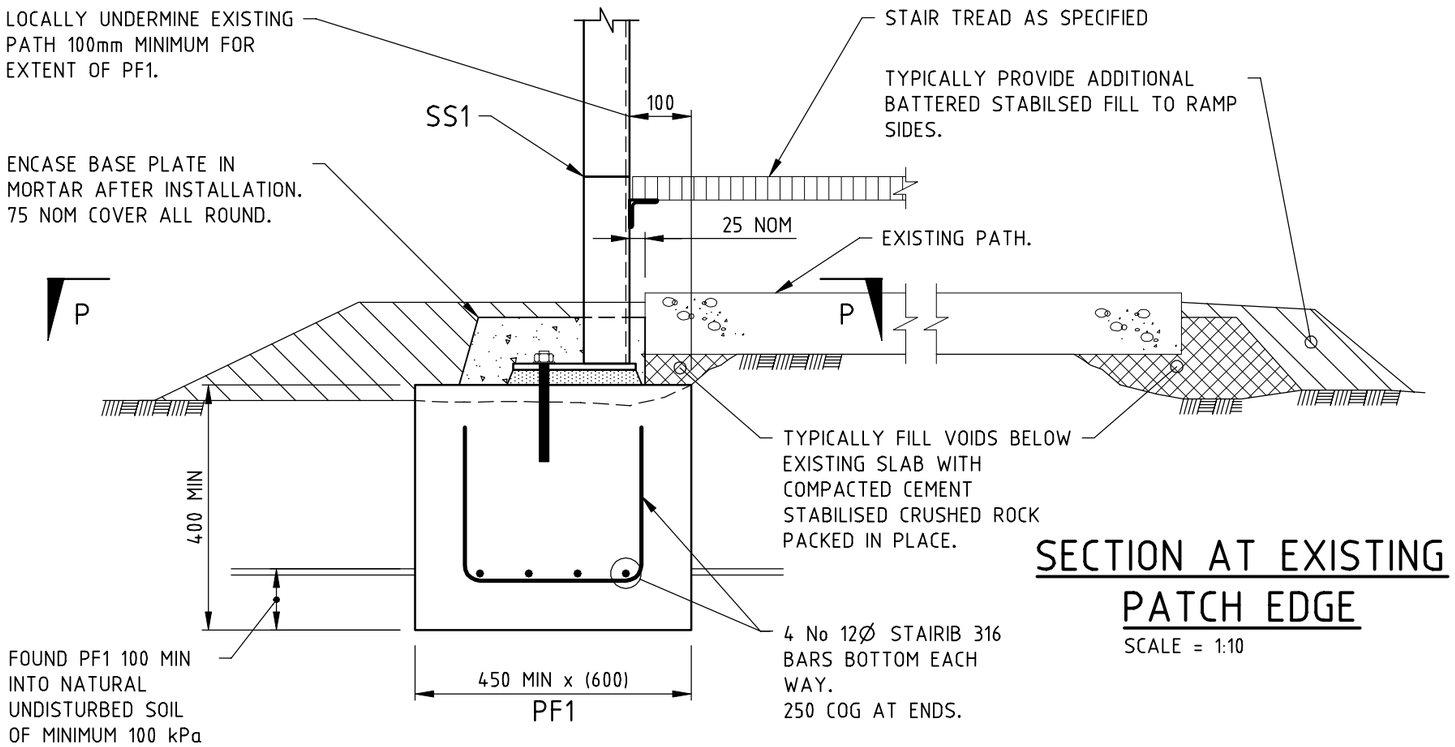
Title: BUILDING 2 - DIRECTING & RANGING STATION VIEWING PLATFORM ACCESS STAIR ELEVATION & NOTES

Date	Scale
MAR 26	AS NOTED
Designed	Drawn
D.H	W.H
Job No	Drawing No
7901	RW24-B



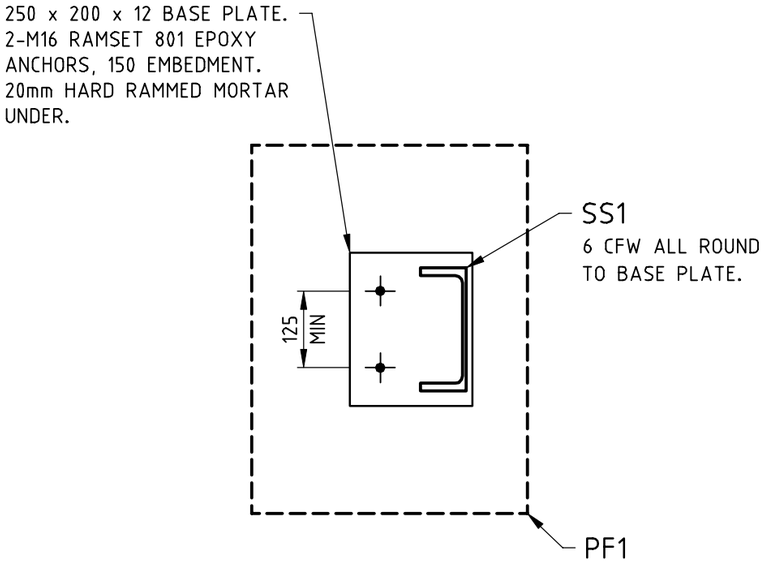
SECTION 1
SCALE = 1:10 RW23

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SECTION AT EXISTING PATCH EDGE
SCALE = 1:10

SECTION 2
SCALE = 1:10 RW23



SECTION P-P
SCALE = 1:10

REFER DRAWING No RW01 FOR PERMITTED USE OF DRAWINGS.

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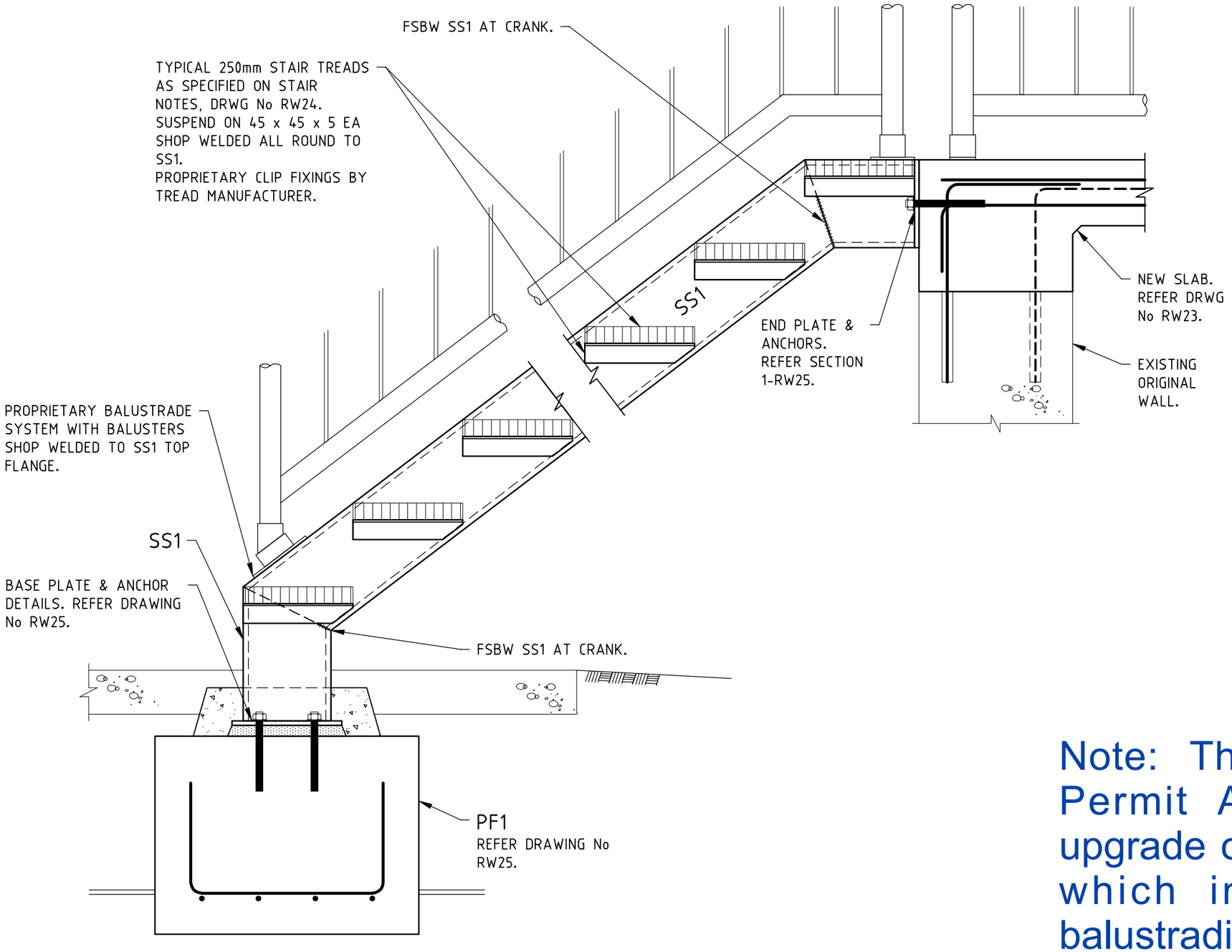
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Issue	Date	Description
A		NOT ISSUED
B	4/3/23	FOR PRICING

Job: POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 DIRECTING & RANGING STATION
VIEWING PLATFORM ACESS STAIR SECTIONS (Sheet 1)

Date	Scale
MAR 26	AS NOTED
Designed	Drawn
D.H	W.H
Job No	Drawing No
7901	RW25-B



SECTION 3 / RW23
SCALE = 1:10

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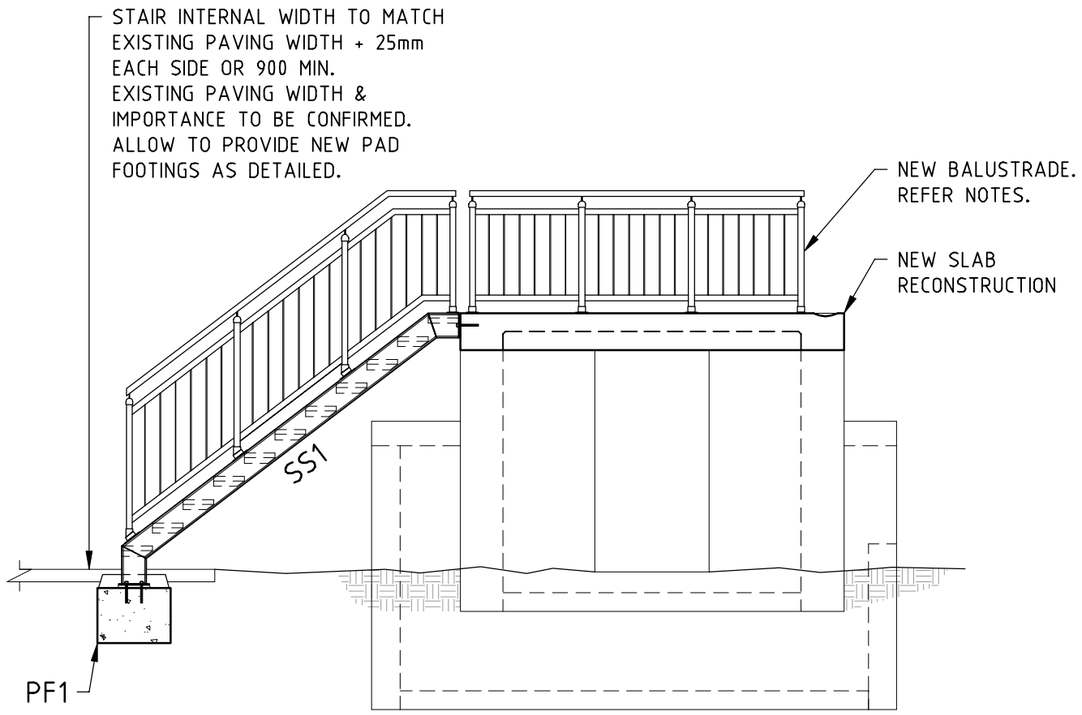
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Issue	Date	Description
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B	4/3/23	FOR PRICING

Job: POINT LONSDALE LIGHTHOUSE RESERVE
STRUCTURAL REMEDIAL WORKS

Title: BUILDING 2 - DIRECTION & RANGING STATION VIEWING PLATFORM ACCESS STAIR SECTIONS (Sheet 2)

Date	Scale
MAR 26	AS NOTED
Designed	Drawn
D.H	W.H
Job No	Drawing No
7901	RW26-B



PLATFORM ACCESS STAIR ELEVATION

SCALE = 1:50

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Title: BUILDING 2 - DIRECTING & RANGING STATION VIEWING PLATFORM ACCESS STAIR ELEVATION & NOTES

Date	Scale
MAR 26	AS NOTED
Designed	Drawn
D.H	W.H
Job No	Drawing No
7901	RW24-B