

<b>DESCRIPTION:</b>  Quarry Lake Redevelopment	<b>ADDENDUM NUMBER: ONE</b>
	<b>DATE OF ISSUE: August 22, 2023</b>
	<b>ISSUED BY: Amy Bernard</b>
	<b>PAGE(S): 9</b>

**INSTRUCTIONS:**

1. Amend your copy of the proposal in accordance with the detail below.
2. Retain one (1) copy for your file; sign and attach to your submission as confirmation that the Addendum was taken into account in your proposal submission.
3. Failure to sign and return this form may result in a non-compliant proposal.

**DETAILS OF ADDENDUM:**

This addendum is issued to include the following:

**1. Extension:**

The deadline for submissions is extended to September 1 at 2:00pm MT.

**2. Clarification:**

Delete pages 32-36 from the RFP document.

**3. Clarification:**

Question: Can you provide some clarification on the foundations required on this project? The tender form and front end of the specifications call for helical screw piles while the Geotechnical report indicates these foundations should be drilled concrete or micropiles. Without any form of borehole data, I am not sure how we could provide a designed solution. Could this be set up as a Cash Allowance?

Response: The foundations for the jumping platform are to be grade beams on micropiles, and the staircase and landing is to be supported by helical screw piles as shown on the drawings, designed for the loads shown on plans with review by the geotechnical engineer.

**4. Clarification:**

Question: Can you provide some clarification on the foundations required on this project? The tender form and front end of the specifications call for helical screw piles while the Geotechnical report indicates these foundations should be drilled concrete or micropiles. Without any form of borehole data, I am not sure how we could provide a designed solution. Could this be set up as a Cash Allowance?

Response: The foundations for the jumping platform are to be grade beams on micropiles, and the staircase and landing is to be supported by helical screw piles as shown on the drawings, designed for the loads shown on plans with review by the geotechnical engineer.

**5. Clarification:**

Question: Is the steel deck part of this scope? If so, are there any details?

Response: There is no steel deck part of this scope. Jumping platform is composite deck on weathering steel cantilever structure pre-engineered by supplier to the design loads.

**6. Clarification:**

Question: Are the micropiles for the deck part of this scope? If so, are there any details?

Response: Micropiles for jumping platform to be designed by piling contractor's with engineered shop drawings submitted for review by ISL and geotechnical engineer.

**7. Clarification:**

Question: There are design parameters listed from the geotech however they also specify they anticipate "shallow" bedrock but I don't see the depth mentioned. Is there a chance you could get that information?

Response: Depth of bedrock at lake shore currently unknown, to be confirmed prior to construction. It is anticipated that bedrock will be encountered in the installation of the foundations.

**8. Clarification:**

Question: What is the system finish for the steel stair system?

Response: Weathering steel. References for primed steel to be removed in Addendum, drawings updated to reflect weathering steel.

**9. Clarification:**

Question: What is the landing of the steel stair system surface? There is no indication of any form of deck on this landing. I do not see any additional design provided to accept decking. I see a frame with no bracing or stability. Has this stair and platform been designed to meet NBC? I see steel sizes for the framework, stair sections, hinge system and handrails which indicates there is a design. Please confirm who is the designer of the stair system.

Response: Landing revised to composite decking instead of steel grating in this addendum. Landing decking to be Deckoraters Voyage Decking in Khaya or approved alternative as per details revised on Addendum. Steel member sizes and connection details are shown for intent, design of stair is by steel supplier.

**10. Clarification:**

Question: What is the size and finish of the grating to be used for the stair treads? Why does the stairway steps show grating? Has this stair system been properly designed to meet NBC? 1.5m Clear span stair treads don't appear to be available by Deckoraters. Please confirm who is the designer of the stair system.

Response: Stair treads to be Deckoraters Voyage Decking in Khaya or approved alternative as per details revised on Addendum. Stair treads revised to composite decking instead of steel grating in this addendum. Details updated to reflect this change. Design of stair platform steel is by supplier, connection to decking by ISL.

**11. Clarification:**

Question: What is the platform finish?

Response: Weathering steel structure, with composite decking as shown on plan (Deckoraters Voyage Decking in Khaya or approved alternate).

**12. Clarification:**

Question: The tender summary states "Supply and install of a prefabricated steel structure jumping platform", however on Detail Plan 1/S03 the note states "Pre-engineered Jumping Platform Structure by others". Which is correct?

Response: Weathering steel cantilever structure to be pre-engineered/fabricated by supplier to the design loads.

**13. Clarification:**

Question: What are the steel sizes and details for the platform?

Response: Weathering steel cantilever structure pre-engineered/fabricated by supplier to the design loads.

**14. Clarification:**

Question: What is the orientation of the decking? Is it perpendicular, parallel, or diagonal to the main beams?

Response: Decking to be perpendicular to the main beams, with intermediate deck support joists at 300 O/C.

**15. Clarification:**

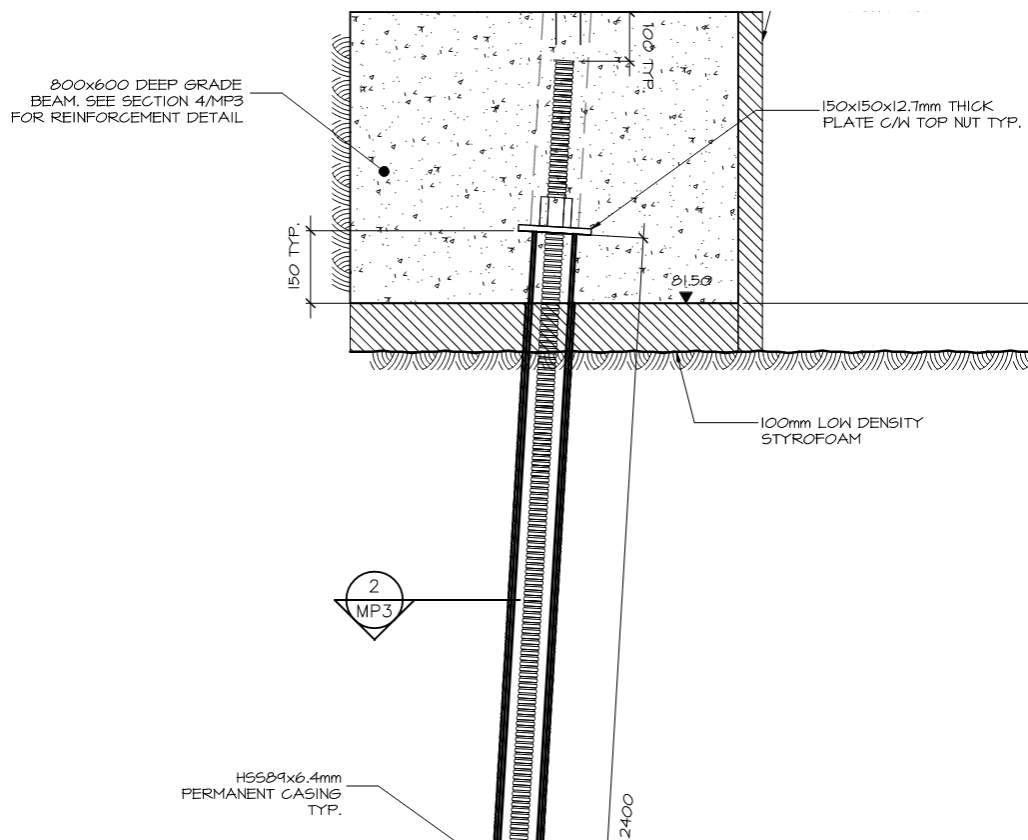
Question: On Section 5/S03 the note states "Micropiles by others". Is this correct?

Response: "By Others" indicates design by piling contractor, not by ISL. Stamped pile shop drawings to be submitted for structural and geotechnical review.

**16. Clarification:**

Question: What is the connection detail between the micropiles and the concrete beam?

Response: Micropile connections to concrete to be detailed in micropile shop drawings, typically embedded in concrete. See below for example of embedded connection detail from a previous project.



**17. Clarification:**

Question: What is the connection detail between the concrete beam and the steel jumping platform?

Response: Connection to concrete beams to be designed by ISL in conjunction with steel platform shop drawing review.

**18. Clarification:**

Question: Will other beam solutions be considered such as precast, steel, etc.?

Response: Assuming this question is in reference to concrete grade beams, alternate beam solutions to be considered if there is possible cost savings/constructability advantages.

**19. Clarification:**

Question: In the General Notes on drawing S01 state the piles to be designed for the Factored Loads shown on the plan, which are V=125kN H=25kN & uplift 25kN. The geotech report states the preliminary unfactored loads as 250kN comp., 50kN tension and 50kN lateral. We're the preliminary loads significantly higher than the final loads, as factored loads are typically higher than unfactored loads.

Response: Piles to be designed for factored loads shown on plans in conjunction with geotechnical report, not preliminary geotechnical loads.

**20. Clarification:**

Question: I do not see the loading for the screw piles supporting the stairs.

Response: Pile loads added in addendum drawings.

**21. Clarification:**

Question: The size of the Chance Helical Anchor of 1.25" seems small.

Response: Specified anchors are rated for 178kN compression capacity as per table below. Equivalent alternates will be considered.

**CHANCE® SQUARE SHAFT (SS) HELICAL PRODUCT RATINGS**

Product Series	X Shaft Size Across Flats Inches (mm)	XY Diagonal Length Inches (mm)	Kt Value	Torque ft-lb (N-m)	Ultimate Compression Capacity kip (kN)
SS125	1.25" (32)	1.66 (42)	10	4,000 (5 400)	40 (178)
SS5	1.5" (38)	1.91 (49)	10	5,700 (7 730)	57 (254)
SS150	1.5" (38)	1.91 (49)	10	7,000 (9 500)	70 (312)
SS175	1.75" (44)	2.27 (58)	10	10,500 (14 240)	105 (467)
SS200	2.0" (51)	2.57 (65)	10	16,000 (21 700)	160 (712)
SS225	2.25" (57)	2.93 (74)	10	21,000 (28 475)	210 (934)

**22. Clarification:**

Question: Can screw piles be used for both the stair and the jumping platform?

Response: No, screw piles are not acceptable for jumping platform.

**ATTACHMENTS:**

Attachment A – Quarry Lake Park Jumping Platform Drawings S01-04 Issued for Addendum #1, dated August 22, 2023.



# ADDENDUM

**Name of Firm**

**Authorized Signature**

**Printed Name**

**Date**

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STRUCTURAL STEEL

- 1. FABRICATE AND ERECT STRUCTURAL STEEL TO CSA S16-14.
2. DESIGN OF CONNECTIONS BY STEEL FABRICATOR UNLESS DETAILED ON THE DRAWINGS.
3. ANCHOR BOLTS TO ASTM A36 OR A307 UNLESS NOTED.
4. PROVIDE A CONTINUOUS 35 MPa GROUT BED BENEATH BASE PLATES
5. FRAME OPENINGS IN STEEL DECK GREATER THEN 450mm WITH L89x89x6.4 MINIMUM, REFER TO STEEL DECK NOTES AND TYPICAL DETAILS.
6. SUBMIT SHOP DRAWINGS TO THE ENGINEER AND RECEIVE APPROVAL PRIOR TO FABRICATION.
7. PROVIDE 10mm THICK BEARING STIFFENERS EACH SIDE OF WEB OR TO ONE SIDE OF CHANNEL WEB CENTERED OVER THE SUPPORT
8. WELD REINFORCEMENT STEEL TO CSA W185.
9. MINIMUM SIZE OF FIELD WELD, 2mm LESS THAN THE THICKNESS OF THE MATERIAL BUT NOT LESS THAN 6mm.
10. PROVIDE 6mm CAP PLATES ON ALL HSS SECTIONS UNLESS NOTED OTHERWISE.
11. STEEL FABRICATOR SHALL BE CERTIFIED BY CANADIAN WELDING BUREAU UNDER REQUIREMENTS OF CSA W47.1-09, DIVISION 1 OR 2.
12. AN INDEPENDENT INSPECTION AND TESTING COMPANY WILL BE APPOINTED TO INSPECT STRUCTURAL STEEL IN THE FABRICATION SHOP AND ON SITE.

HELICAL SCREW ANCHOR NOTES

- 1. THE DESIGN, FABRICATION, AND INSTALLATION OF PILES SHALL BE GOVERNED BY THE FOLLOWING CODES:
- CSA G40.21 STRUCTURAL QUALITY STEELS
- CSA W48.14 MILD STEEL COVERED ARC-WELDING ELECTRODES
- CSA W48.5 MILD STEEL ELECTRONICS FOR FLUC-CORE ARC-WELDING
- CSA W47.1-09 CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES
- PROVINCIAL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS
- ASTM A252 WELDED AND SEAMLESS STEEL PIPE PILES
- ASTM A53 WELDED AND SEAMLESS PIPE
2. PILES SHALL BE DESIGNED FOR FACTORED LOAD SHOWN ON PLAN.
3. PILE WALL THICKNESS AND SIZE SHOWN IS MINIMUM AND SHALL BE INCREASED AS NECESSARY TO ACCOMMODATE INSTALLATION EQUIPMENT.
4. SCREW PILES SHALL BE PLACED NOT CLOSER THAN 3 HELIX DIAMETERS FROM ADJACENT PILE U.N.O.
5. SPACING OF HELICES SHALL NOT BE LESS THAN 3 TIMES THE HELIX DIAMETER.
6. SPACING OF HELICES SHALL BE A WHOLE NUMBER MULTIPLE OF THE HELIX PITCH.
7. SUBMIT SCREW PILE LAYOUT AND SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF JURISDICTION.
8. TESTING METHOD TO BE SUBMITTED TO ENGINEER FOR REVIEW.
9. SEE PROJECT GEOTECHNICAL REPORT FOR BOREHOLE LOGS, DESIGN CRITERIA AND METHOD OF CONSTRUCTION.
10. SUBMIT LETTER OF COMPLIANCE SEALED BY SCREW PILE ENGINEER AS VERIFICATION THAT PILES HAVE BEEN INSTALLED AS PER DESIGN.

EXCAVATION AND BACKFILL CONT'D

- 9. THE SLAB BASE GRAVEL AND SUBGRADE SOIL MUST BE PROTECTED FROM RAIN, SNOW, EXCESSIVE DRYING AND INGRESS OF FREE WATER DURING AND AFTER THE CONSTRUCTION TO PREVENT ANY FOUNDATION MOVEMENT.
10. REFER TO CIVIL DRAWINGS FOR GROUND ELEVATIONS AND DRAINAGE SLOPES.
11. CONFIRM EXACT LOCATIONS OF ALL UTILITY LINES WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE COMMENCEMENT OF EXCAVATION.
12. IF THE PROJECTED TEMPERATURE AT THE TIME OF FILL PLACEMENT IS BELOW 0° FOR EIGHT HOURS OR MORE, UNIFORMLY GRADED LOW FINES CRUSHED GRANULAR SILL SHALL BE USED.
13. THE GRADATION OF THE PROPOSED MATERIAL SHALL BE DEVELOPED BY THE DESIGN ENGINEER FOR THE MECHANICALLY STABILIZED EARTH WALL SYSTEM.
14. GEOTEXTILE FABRIC SHALL BE PLACED BETWEEN ALL LOW FINES CRUSHED GRANULAR FILL AND ALL OTHER FILL.

CONCRETE FORMWORK

- 1. CONSTRUCT FORMWORK IN ACCORDANCE WITH WCB REGULATIONS AND CSA S269.1-16.
2. NO COLUMN OR WALL FORMS SHALL BE REMOVED BEFORE CONCRETE HAS REACHED 75% OF DESIGN STRENGTH OR 4 DAYS, WHICHEVER COMES LATER.
3. NO SLAB OR BEAM FORM SHALL BE REMOVED BEFORE CONCRETE HAS REACHED 75% OF DESIGN STRENGTH.
4. THE STRENGTH OF CONCRETE IS TO BE DETERMINED BY FIELD CURED CYLINDERS.
5. RE-USE FORMWORK AND FALSEWORK SUBJECT TO REQUIREMENTS OF CSA-A23.1/A23.2

CONCRETE REINFORCEMENT NOTES

- 1. TIE ALL BARS SECURELY IN PLACE TO PREVENT DISPLACEMENT.
2. CLEAR COVER TO REINFORCEMENT (PRINCIPAL REINFORCEMENT) IS:
- EXPOSED TO EARTH 75mm
- EXPOSED TO EARTH OR WEATHER 40mm
- NOT EXPOSED TO EARTH OR WEATHER OR NOT IN CONTACT WITH THE GROUND: 20mm
- BEAMS AND COLUMNS 40mm
3. ALL BOTTOM STEEL TO BE CONTINUOUS AND SPLICED WHERE REQUIRED.
4. UNLESS OTHERWISE NOTED, USE CLASS B TENSION SPLICE FOR ALL REINFORCING STEEL.
5. UNLESS OTHERWISE NOTED, PROVIDE DOWELS TO MATCH VERTICAL REINFORCING WHEREVER A PILASTER, PIER OR WALL BEGINS.
6. PROVIDE MINIMUM 2-15M BARS AROUND ALL OPENINGS LARGER THAN 450mm AT EACH SIDE OF OPENING AND ON DIAGONALS.
7. THE DESIGNATION OF REINFORCEMENT IN DRAWINGS IS AS FOLLOWS:
- BARS IN TOP OF BEAMS AND SLABS OR IN NEAR FACE OF WALL ARE SHOWN AS A SOLID LINE.
- BARS IN BOTTOM OF BEAMS AND SLABS OR IN FAR FACE OF WALL ARE SHOWN AS A DASHED LINE.
- STRAIGHT BARS: 6-15M/4500 MEANS 6-15M BARS, 4500 LONG BENT BARS
- 13-A15M1500 MEANS 13-15M BARS, 1500 LONG HOOKED ONE END 180°
- 3-C15M1200 MEANS 3-15M BARS, 1200 LONG, HOOKED ONE END 90°
- THE BAR LENGTHS NOTED ARE EXCLUSIVE OF THE STANDARD HOOK.

STRUCTURAL FIELD REVIEW NOTES

- 1. THE CONTRACTOR SHALL COOPERATE WITH ALL TESTING, INSPECTION AND QUALITY CONTROL PERSONNEL REQUIRED ON THE SITE AND WILL PROVIDE CASUAL LABOUR FORCES AS REQUIRED TO ASSIST IN ALL THE FIELD REVIEW PROCEDURES.
2. ALL REINFORCEMENT SHALL BE REVIEWED IN PLACE PRIOR TO PLACING THE CONCRETE BY ISL ENGINEERING & LAND SERVICES LTD.
3. REFER TO GENERAL NOTES AND MATERIAL SPECIFICATION NOTES FOR ADDITIONAL REQUIREMENTS.

MATERIAL SPECIFICATIONS CONT'D

Table with 4 columns: ELEMENT, COMPRESSIVE STRENGTH (MPa) 28 DAYS, EXPOSURE CLASS, SPECIAL REQUIREMENTS & REMARKS. Rows include FOOTINGS, GRADE BEAMS and A, B.

- A. WHERE EXPOSURE CLASS IS NOTED "N / F2", USE F-2 EXPOSURE CLASS FOR PERIMETER AND EXTERIOR ELEMENTS ABOVE THE FROST LINE, AND ELEMENTS IN INTERIOR UNHEATED SPACES.
B. LIMIT MAXIMUM AGGREGATE SIZE TO 10mm FOR COLUMNS WITH SMALLEST DIMENSION LESS THAN 300mm.
5. DO NOT USE ADMIXTURES OTHER THAN AIR ENTRAINMENT, STANDARD WATER REDUCERS OR SUPER PLASTICIZERS WITHOUT PRIOR APPROVAL OF ENGINEER.
6. PROVIDE AIR ENTRAINMENT IN ACCORDANCE WITH CSA A23.1 FOR ALL EXTERIOR CONCRETE.
7. REJECT ALL CONCRETE WHEN TIME BETWEEN BATCHING AND PLACING EXCEEDS 2 HOURS.
8. DO NOT ADD WATER TO CONCRETE ON SITE UNLESS AUTHORIZED BY ENGINEER.
9. CONSOLIDATE ALL CONCRETE USING MECHANICAL VIBRATORS.

CONCRETE REINFORCEMENT

- 1. PROVIDE REINFORCEMENT TO CAN/CSA-A23.3 AND CSA G30.18 AS FOLLOWS:
- 300 MPa FOR 10M OR SMALLER
- 400 MPa FOR 15M OR LARGER
2. PROVIDE NEW DEFORMED BARS TO CSA G30.18 GRADE 400.

EXCAVATION AND BACKFILL

- 1. THE OWNER SHALL OBTAIN THE SERVICES OF A QUALIFIED TESTING AGENCY TO PERFORM COMPACTION TESTS AS REQUESTED BY THE ENGINEER.
2. EXCAVATE TO THE LEVELS NOTED ON THE DRAWINGS FOR THE EXTENT OF THE STRUCTURE.
3. FILL TO THE DESIGN SUBGRADE WITH PITRUN GRAVEL COMPACTED TO 98% STANDARD PROCTOR DENSITY.
4. KEEP EXCAVATION FREE OF WATER WHILE FILL AND CONCRETE FOUNDATION IS PLACED.
5. PROTECT BOTTOM OF EXCAVATION FROM FROST.
6. WHERE POSSIBLE, BACKFILL WALLS FROM BOTH SIDES SIMULTANEOUSLY TO EQUALIZE SOIL PRESSURE.
7. REMOVE ALL VEGETATION, ORGANIC SOIL AND CONSTRUCTION DEBRIS FROM BUILDING AND CONSTRUCTION AREA.
8. ANY SOFT SUBGRADE SOIL ENCOUNTERED SHOULD BE SUB-EXCAVATED AND REPLACED WITH FREE DRAINING PITRUN GRAVEL.

A. A MINIMUM OF 200 [8"] THICK NON-PLASTIC CRUSHED GRAVEL MUST BE PLACED BENEATH THE ENTIRE SLAB AND ABOVE THE PREPARED SUBGRADE SOIL. THE CRUSHED GRAVEL MUST BE UNIFORMLY COMPACTED TO 95% STANDARD PROCTOR DRY DENSITY.

Table with 2 columns: SIEVE SIZE and % PASSING BY WEIGHT. Rows include 19mm [3/4"], 12.5mm [1/2"], 4.75mm [3/16"], 1.18mm [0.0469"], 0.30mm [0.0117"], 0.075mm [0.0029"].

DESIGN DATA

DESIGN CODE : NATIONAL BUILDING CODE - 2019 ALBERTA EDITION
IMPORTANCE CATEGORY: NORMAL Is = 1.0, Iw = 1.0, IE = 1.0
ROOF DEAD LOADS: JUMPING PLATFORM 1.27 kPa
ENVIRONMENTAL LOADS: GROUND SNOW LOAD (Ss) 3.20 kPa, RAIN LOAD (Sr) 0.10 kPa, DESIGN SNOW LOAD 2.66 kPa
FLOOR LIVE LOADS: DECK 4.80 kPa
WIND LOADS: HOURLY WIND PRESSURE (1/50) 0.37 kPa
SEISMIC DATA: Sa(0.2) = 0.278, Sa(0.5) = 0.183, Sa(1.0) = 0.098, Sa(2.0) = 0.046, Sa(5.0) = 0.016, Sa(10.0) = 0.0053, PGA (g) = 0.128, PGV (m/s) = 0.097, SITE CLASS: E

SOIL CONDITIONS:

THE FOUNDATION HAS BEEN DESIGNED BASED ON THE GEOTECHNICAL INVESTIGATION REPORT #3914.G01 DATED JANUARY 10, 2022 PREPARED BY WATT CONSULTING GROUP.
UNHEATED FROST DEPTH 2.0 m
ULTIMATE BEARING CAPACITY 200 kPa
ULTIMATE GROUT TO GROUND BOND STRENGTH 150 kPa

MATERIAL SPECIFICATIONS

STEEL
1. PROVIDE STRUCTURAL STEEL TO CSA/CAN-G40.20-13/G40.21-13 OR ASTM STANDARD A 992/A992M. THE FOLLOWING SHOULD HAVE GRADES MINIMUM OF:
- STRUCTURAL SHAPES 350W
- HOLLOW STRUCTURAL SECTIONS 350W CLASS 'C'
- COLUMN BASE PLATES 300W
- MISCELLANEOUS PLATES 260W
- PIPE SECTIONS ASTM A53, 241W

WELDING

- 1. WELDING TO BE METAL ARC WELDING TO CSA W59 BY WELDERS APPROVED BY THE CANADIAN WELDING BUREAU TO REQUIREMENTS OF CSA W47.1.
2. WELD REINFORCEMENT STEEL TO CSA W186.

HARDWARE

- 1. TO CONFORM TO THE FOLLOWING U.N.O.:
- BOLTS: ASTM A307, A325, A325M, A490, A490M OR F182
- THREADED ROD: ASTM A307
- WASHERS: MALLEABLE CAST IRON
- STEEL ROD: ASTM A449 OR ASTM A307

CONCRETE

- 1. CAST-IN-PLACE CONCRETE AND CONSTITUENT MATERIAL SHALL COMPLY WITH CSA A23.1.
2. CONCRETE SHALL BE PROPORTIONED AND PRODUCED IN ACCORDANCE WITH CSA A23.1.
3. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH CSA A23.1.

ABBREVIATIONS

Table with 3 columns: ABBREVIATION, FULL NAME, FULL NAME. Rows include ALT. ALTERNATE, ARCH. ARCHITECTURAL, BLL. BOTTOM LOWER LAYER, etc.

GENERAL

- 1. ALL PLAN DIMENSIONS ARE MEASURED TO:
- FACE OF WALL
- CENTERLINE ROUGH OPENING
- OR OTHERWISE NOTED. CONTACT ISL ENGINEERING FOR VERIFICATION IF REQUIRED.
2. LOCATE DOOR FRAMES 100mm AWAY FROM NEAREST WALL UNLESS NOTED OTHERWISE.
3. SEE CIVIL, LANDSCAPE, MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT AND LOCATIONS OF RELATED FIXTURES OR PENETRATIONS.
4. CONFIRM ROUGH OPENING SIZES WITH SUPPLIERS AND PROVIDE FURRING AS REQUIRED.
5. THESE DRAWINGS ARE REPRESENTATIVE OF THE WORK. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS TO CONSTRUCT THE WORK REPRESENTED HEREIN.
6. CONTRACTOR MUST EXECUTE ALL WORK IN ACCORDANCE WITH THE MOST CURRENT APPLICABLE PROVINCIAL, NATIONAL AND MUNICIPAL BUILDING CODES, FIRE CODES AND STANDARDS SPECIFIED.
7. ALL MATERIALS AND INSTALLATIONS SHALL BE GUARANTEED FOR A PERIOD OF AT LEAST ONE YEAR FROM THE DATE OF THE CONSTRUCTION COMPLETION CERTIFICATE.
8. THE CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS, CHECK DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER FOR CLARIFICATION PRIOR TO COMMENCING CONSTRUCTION.
9. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH THE CIVIL, LANDSCAPE, MECHANICAL, AND ELECTRICAL DRAWINGS.
10. TEMPORARY SUPPORT AND TEMPORARY AND PERMANENT BRACING OF LOAD BEARING AND NON-LOAD BEARING ELEMENTS DURING CONSTRUCTION TO RESIST DEAD, LIVE AND CONSTRUCTION LOADS IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
12. THE GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW BY THE ENGINEER OF RECORD.
13. ALL DESIGN TO CONFORM TO THE NBC-2019 AE, AND ALL OTHER APPLICABLE CODES AND PRACTICES AND BEST PRACTICES.
14. FIELD REVIEWS: NOTIFY THE ENGINEER 48 HOURS IN ADVANCE FOR FIELD REVIEWS AND APPROVAL OF THE FOLLOWING:
- CONCRETE REINFORCEMENT BEFORE EACH CONCRETE POUR
- STRUCTURAL STEEL BEFORE COVERING UP
15. THE DESIGN HAS BEEN PREPARED BASED ON THE ASSUMPTION THAT THE OWNER AND/OR OPERATOR HAS A SITE SAFETY PLAN IN PLACE TO ADDRESS AND MITIGATE SAFETY HAZARDS, BOTH COMMON AND SPECIFIC TO THIS PROJECT.
16. TYPICAL DETAILS AND GENERAL NOTES APPLY UNLESS NOTED OTHERWISE ON PLANS.
17. GENERAL CONTRACTOR TO ADVISE AND COORDINATE WITH CONSULTANTS IF CONFLICTS ARISE BETWEEN SPECIFICATIONS AND DRAWINGS PRIOR TO PROCEEDING WITH SHOP DRAWINGS, FABRICATION, AND/OR CONSTRUCTION.



Note
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Stamp/Seal

Revisions/Submissions

Table with 3 columns: No., DATE, DESCRIPTION. Rows include 1 2023.05.26 ISSUED FOR TENDER, 2 2023.08.22 ADDENDUM #1

Submission Phase/Status

TENDER

Project

QUARRY LAKE PARK JUMPING PLATFORM

Owner/Client

TOWN OF CANMORE

Title

GENERAL NOTES

Scale

1 : 1

Drawn/Designed/Design Checked: Date

LY /LH /RC 2022-01-07

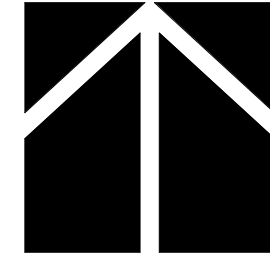
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S01

Project No:

Sheet





1 QUARRY LAKE PARK SITE PLAN  
S02 1 : 75



Calgary Office 403.254.0544  
4015 7 St SE Calgary, AB T2G 2V9

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Stamp/Seal

Revisions/Submissions

No.	DATE	DESCRIPTION
1	2023.05.26	ISSUED FOR TENDER

Submission Phase/Status

**TENDER**

Project

**QUARRY LAKE PARK  
JUMPING PLATFORM**

Owner/Client

**TOWN OF CANMORE**

Title

**SITE PLAN**

Scale As indicated

Drawn/Designed/Design Checked: Date  
LY /LH / RC 2022-01-07

61943 **S02**  
Project No: Sheet

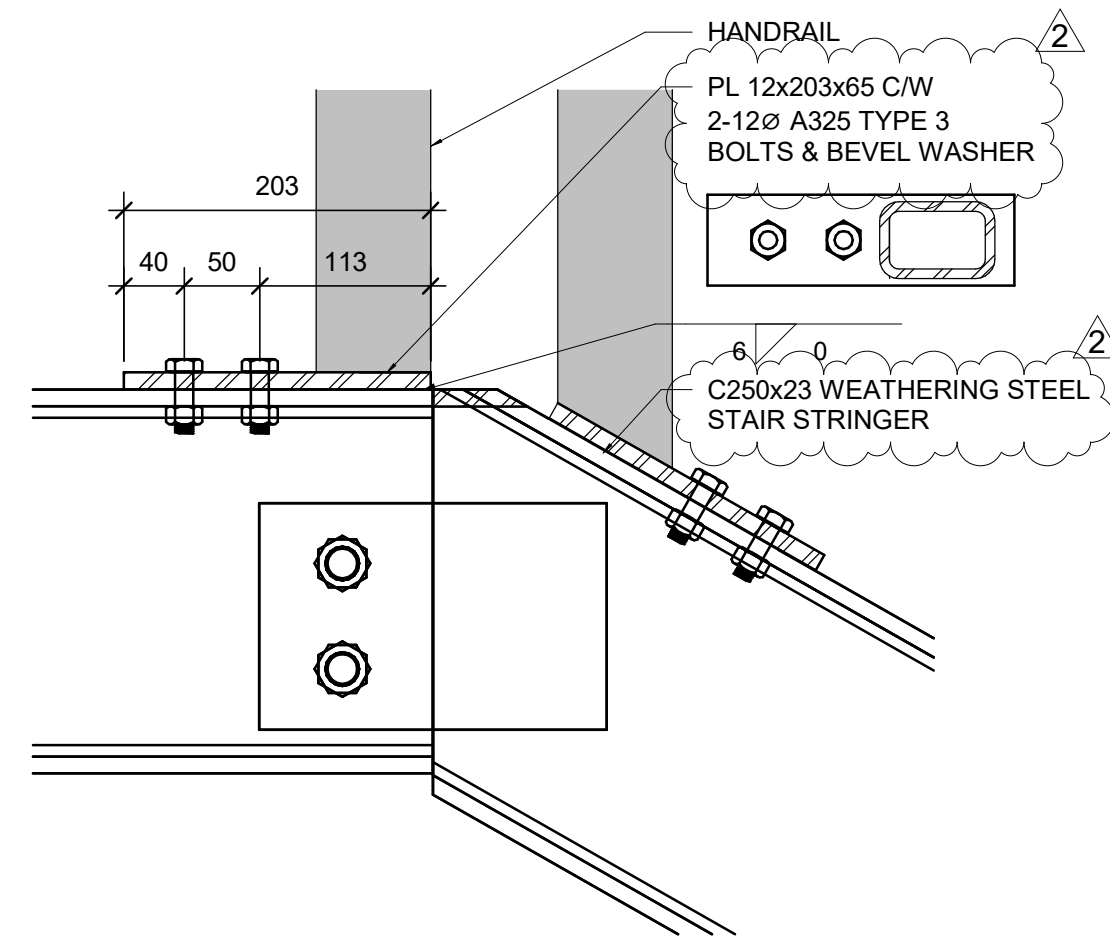


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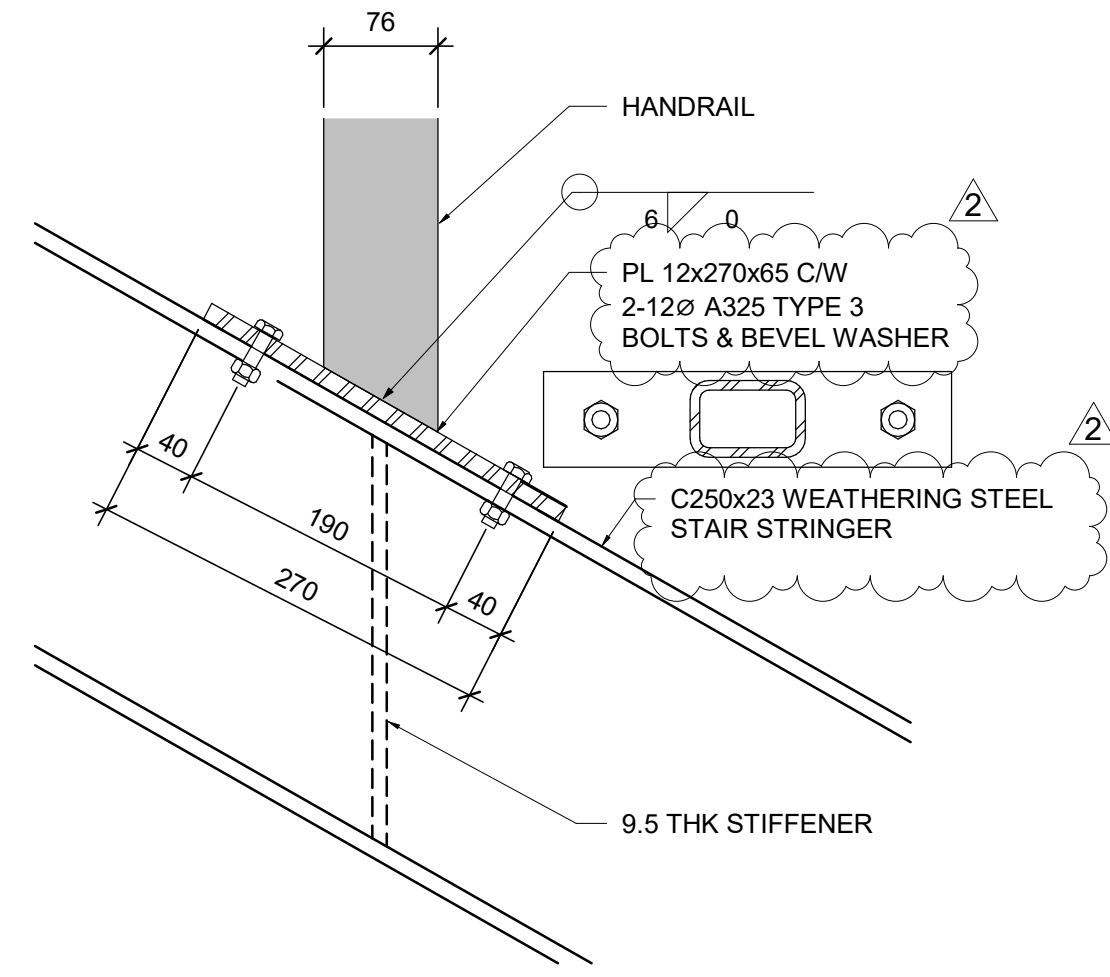


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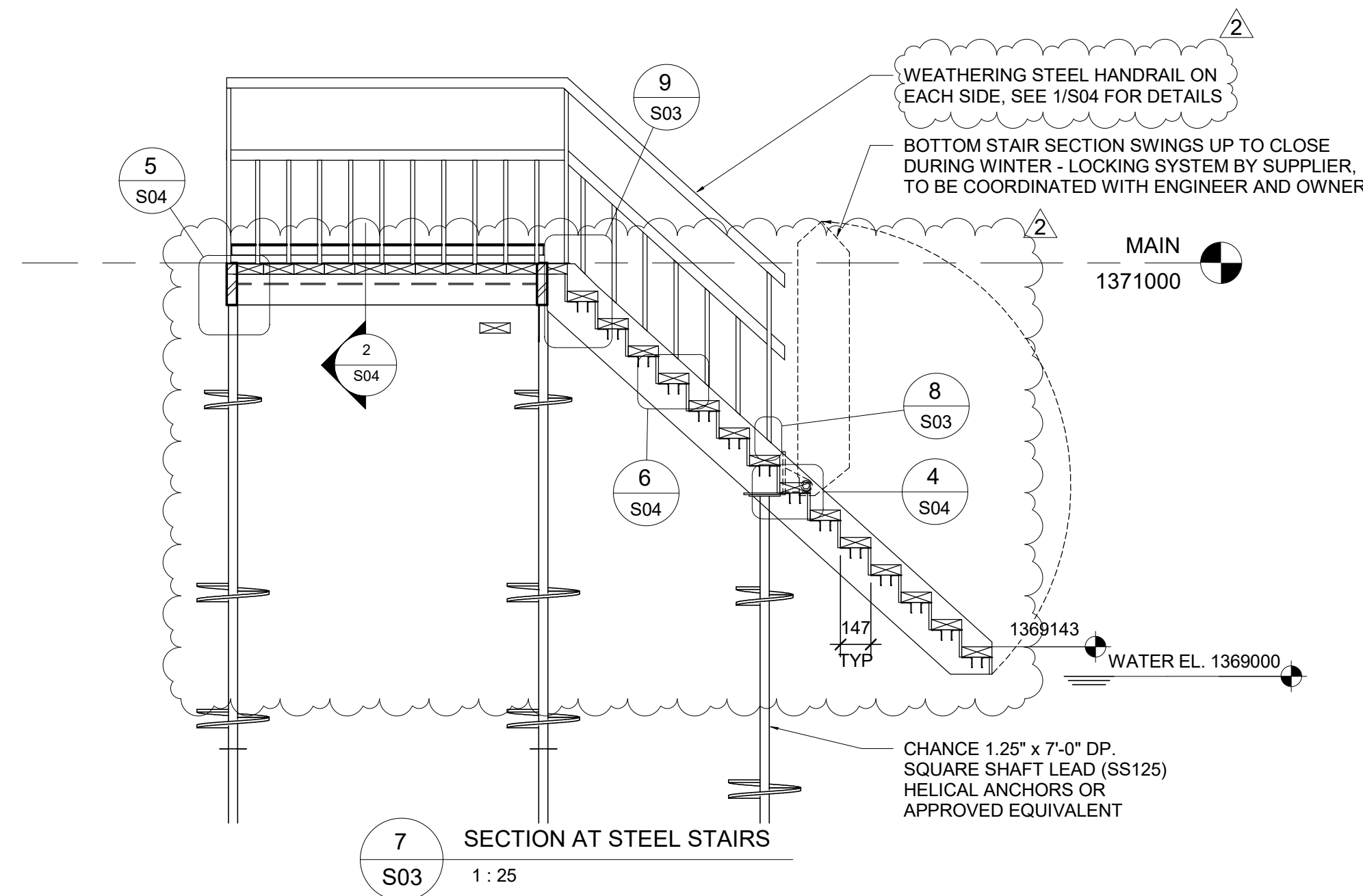
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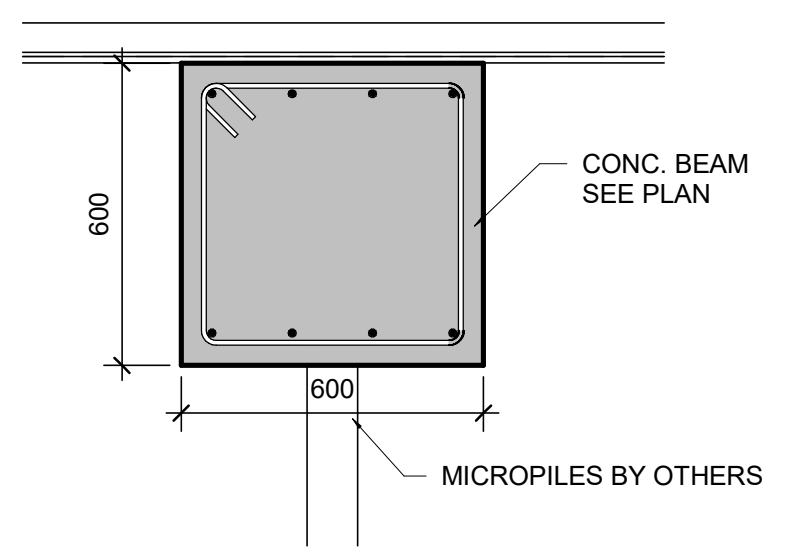
9 HANDRAIL BASE @ STAIR STRINGER/LANDING  
S03 1:5



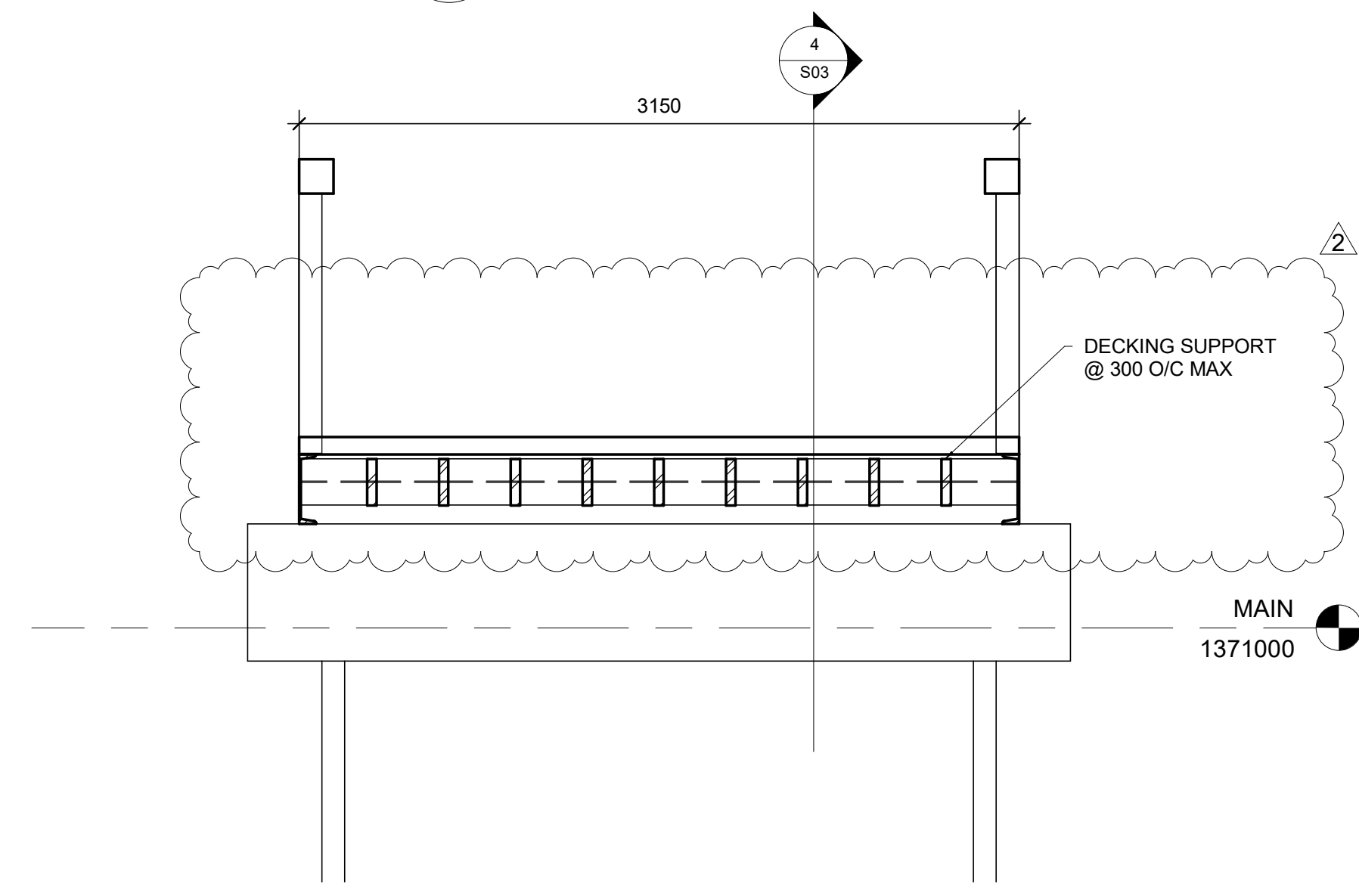
8 HANDRAIL BASE @ STAIR STRINGER  
S03 1:5



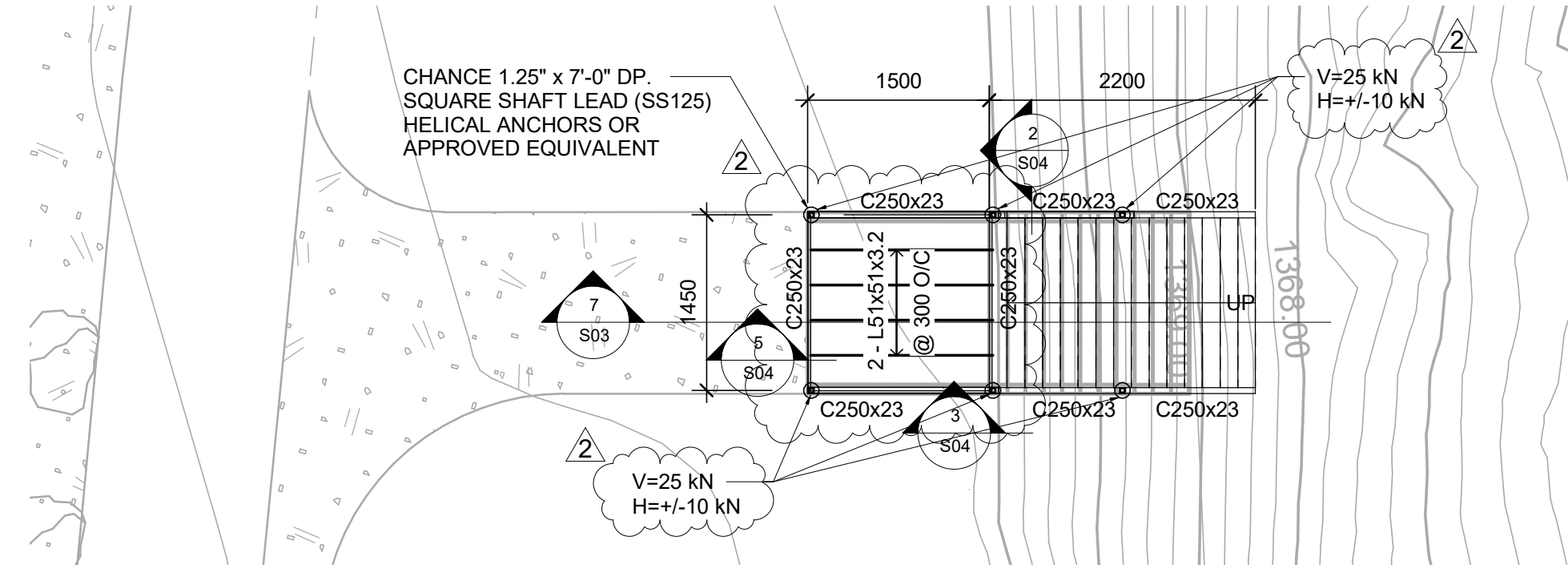
7 SECTION AT STEEL STAIRS  
S03 1:25



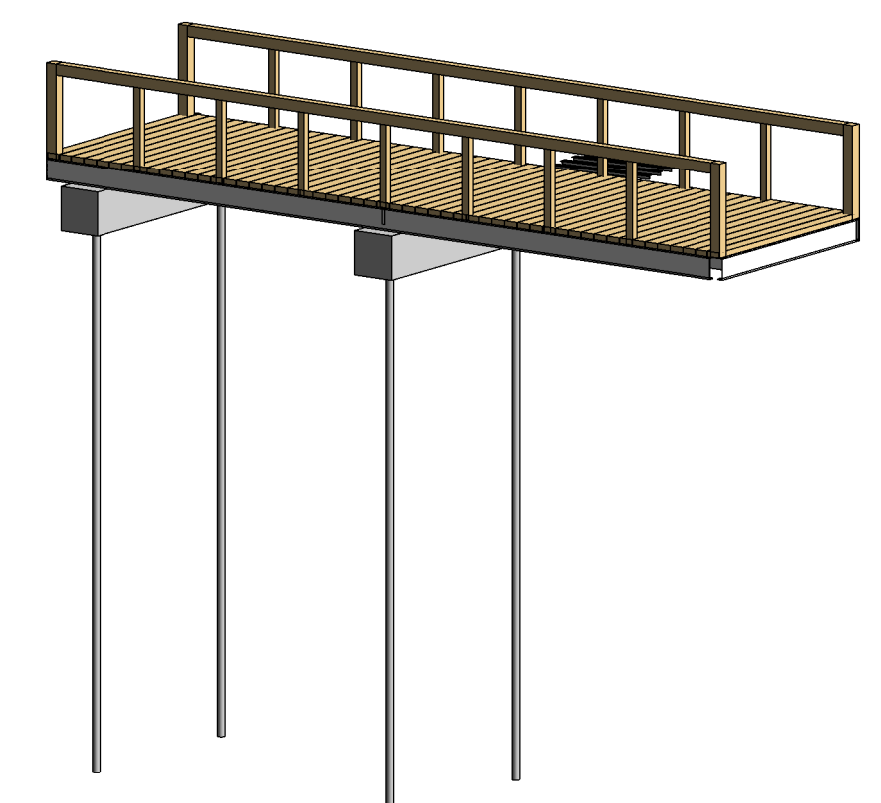
5 CONCRETE BEAM DETAIL  
S03 1:15



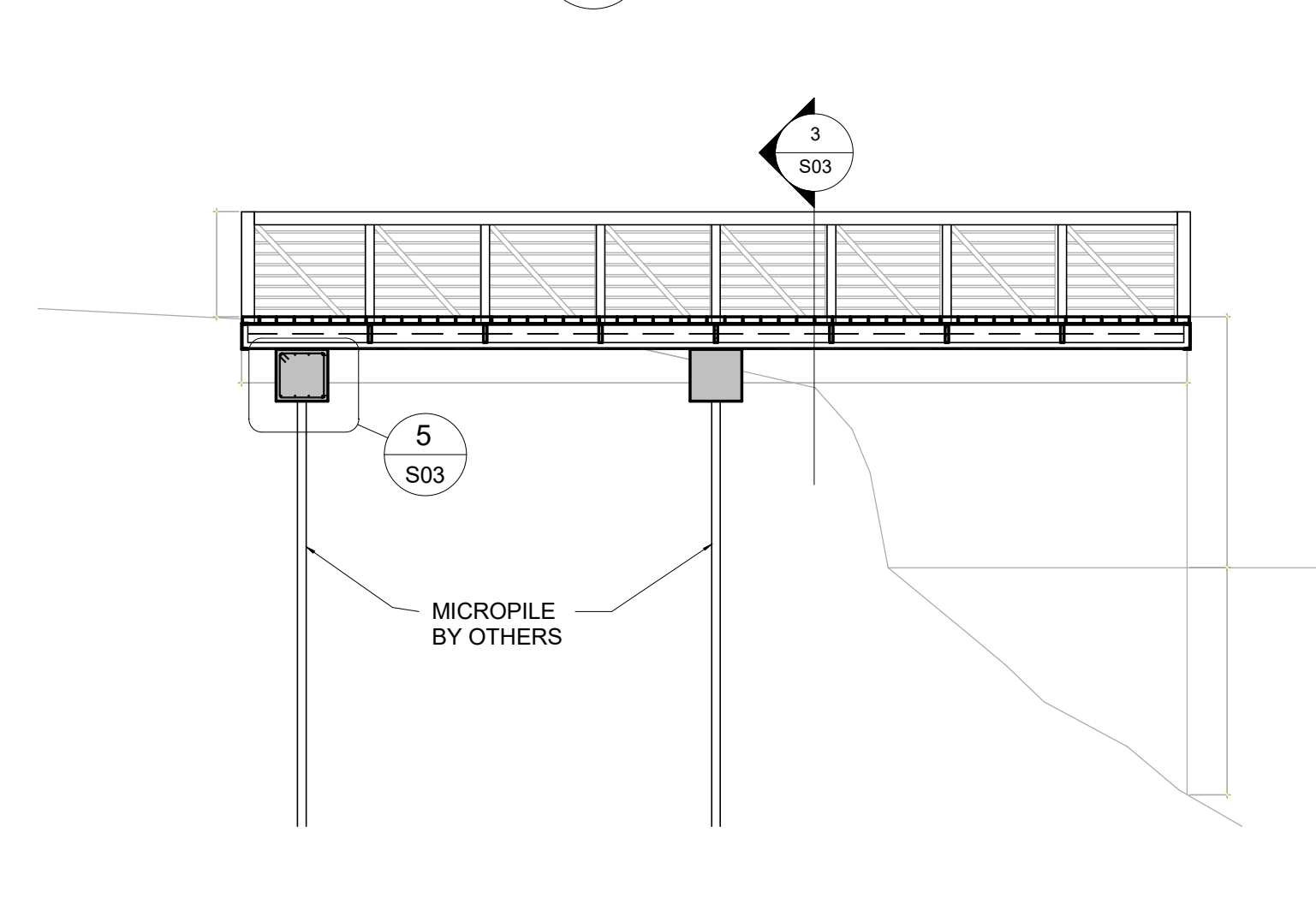
3 JUMPING PLATFORM SECTION 2  
S03 1:25



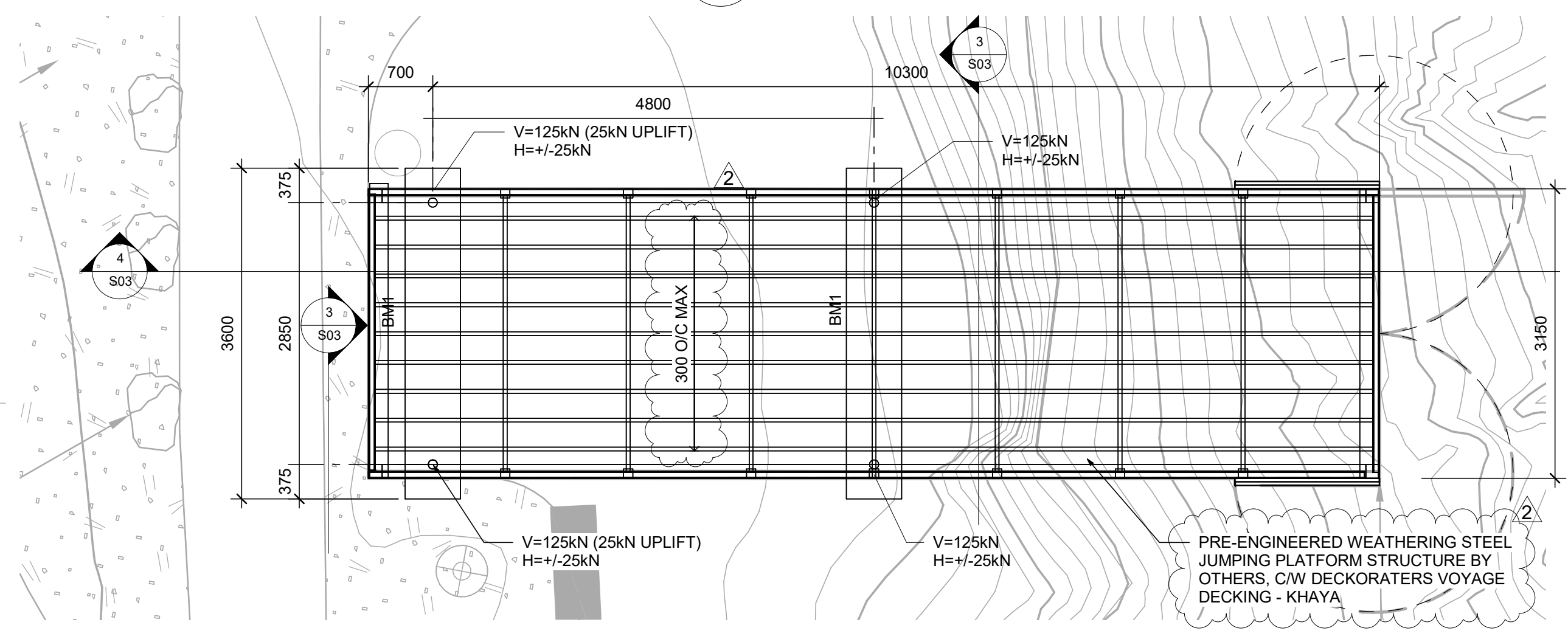
6 QUARRY LAKE PARK STAIRS PLAN  
S03 1:50



2 3D-JUMPING PLATFORM  
S03



4 JUMPING PLATFORM SECTION 1  
S03 1:75



1 QUARRY LAKE PARK JUMPING PLATFORM PLAN  
S03 1:50

CONCRETE BEAM SCHEDULE		
MARK	SIZE	COMMENTS
BM1	600Wx600DP	R/W 4-15M TOP & BOT. W/ 10M STIRRUPS @ 300 O/C

NOTES:  
1. H DENOTES LATERAL LOADS.

Stamp/Seal

Revisions/Submissions		
No.	DATE	DESCRIPTION
1	2023.05.26	ISSUED FOR TENDER
2	2023.08.22	ADDENDUM #1

Submission Phase/Status

**TENDER**

Project

**QUARRY LAKE PARK JUMPING PLATFORM**

Owner/Client

**TOWN OF CANMORE**

Title

**JUMPING PLATFORM PLANS AND DETAILS**

Scale As indicated

Drawn/Designed/Design Checked: Date  
LY /LH /RC 2022-01-07

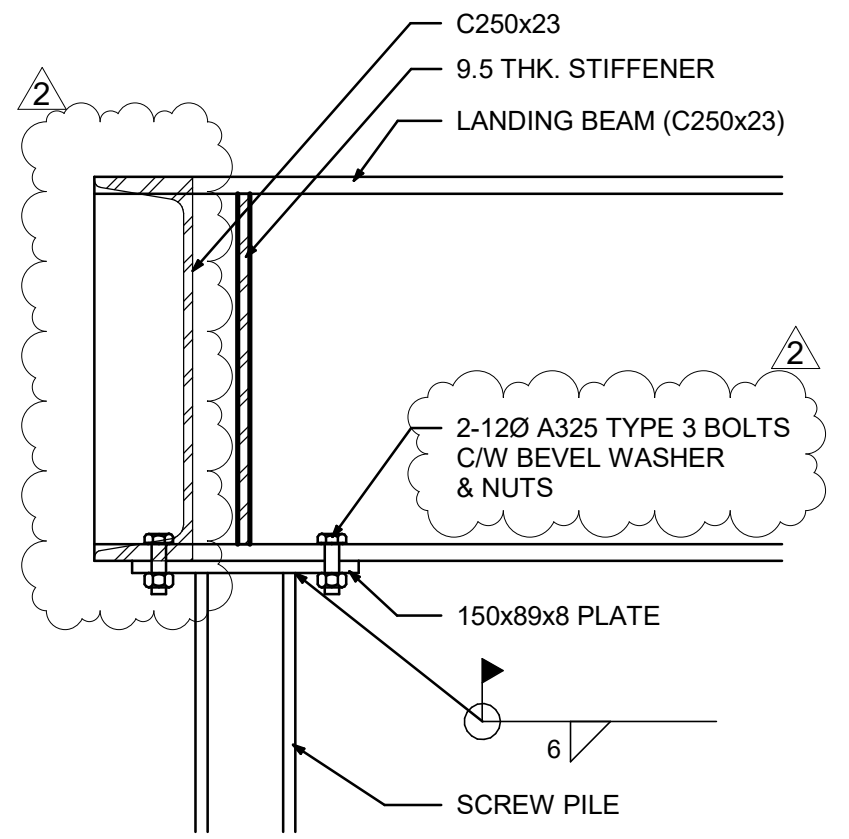
61943 **S03**  
Project No: Sheet



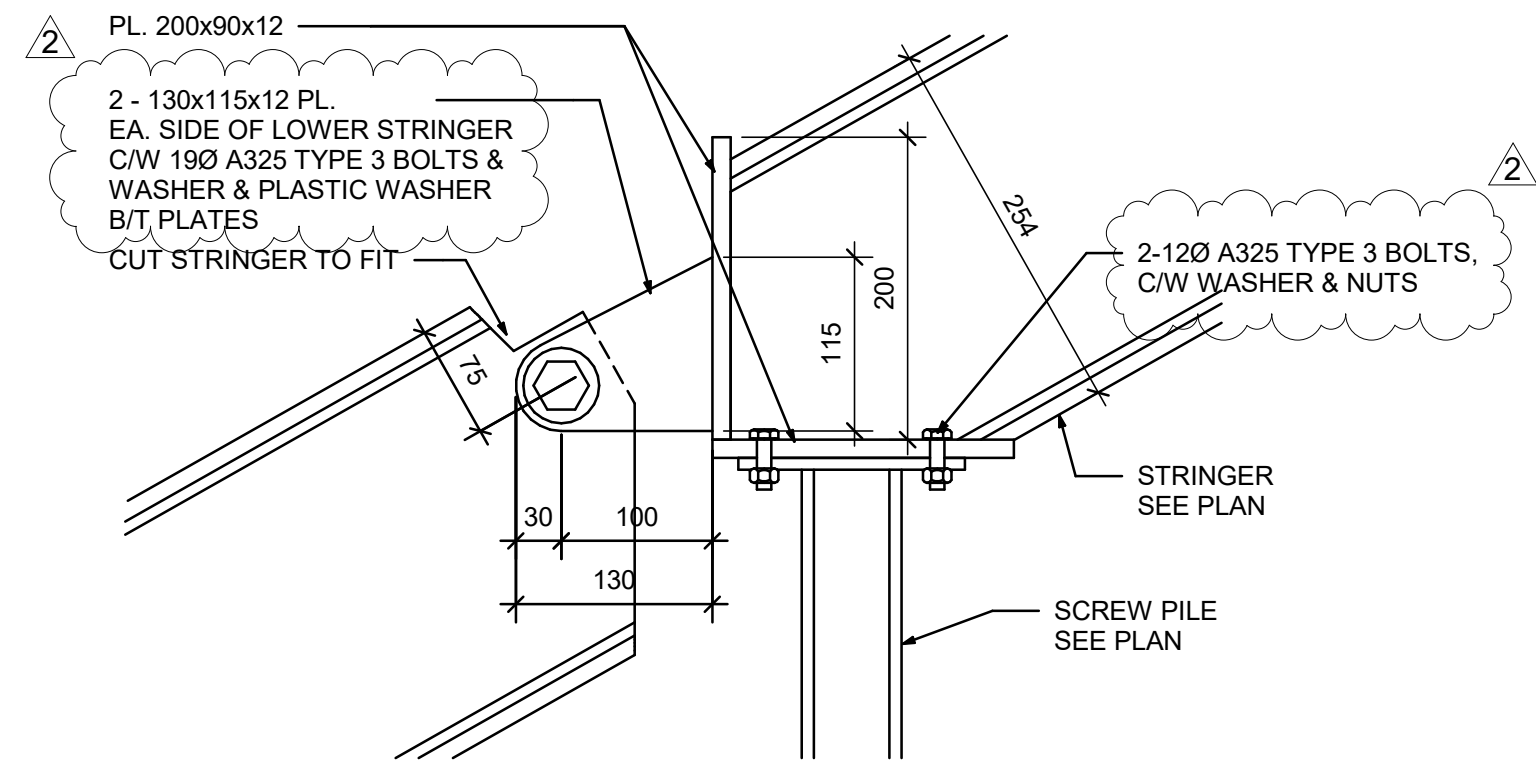


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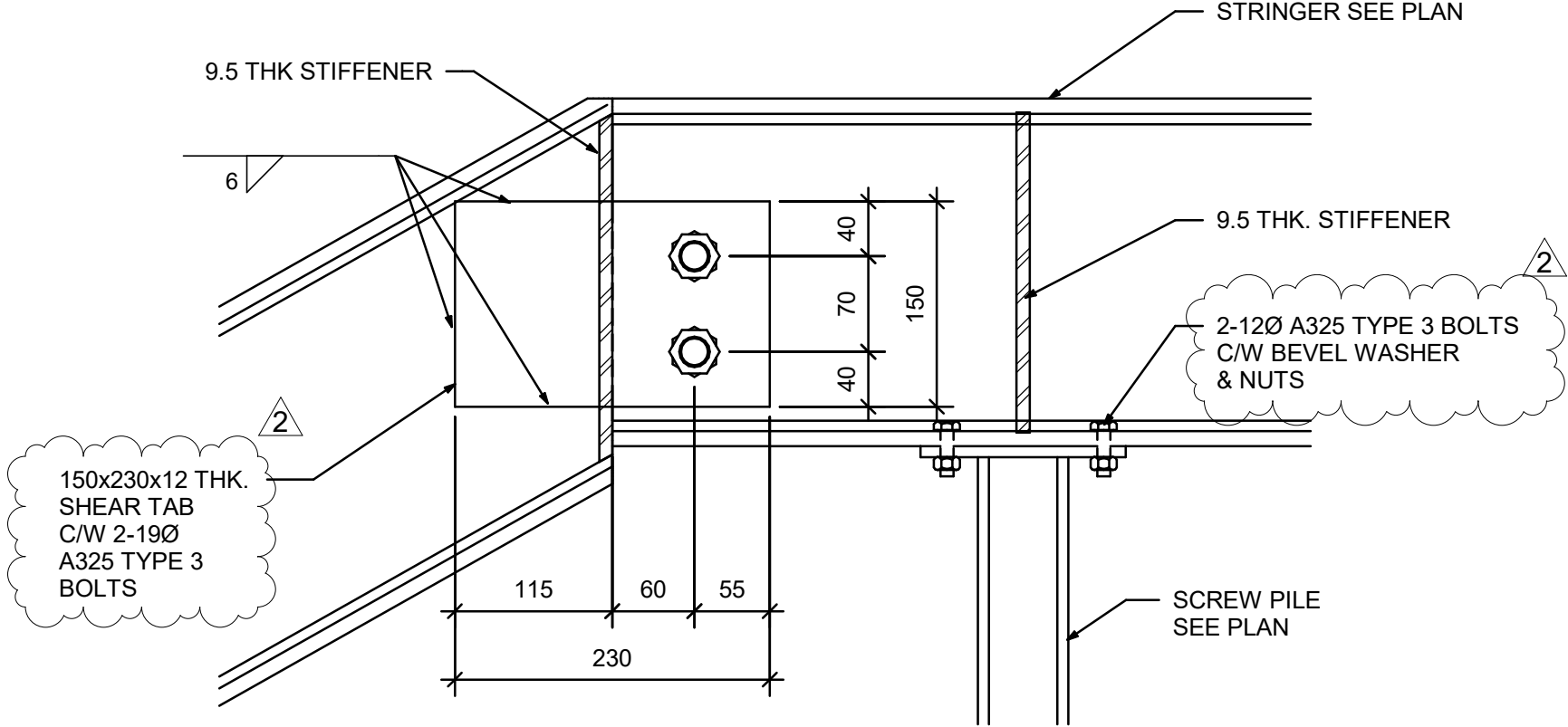
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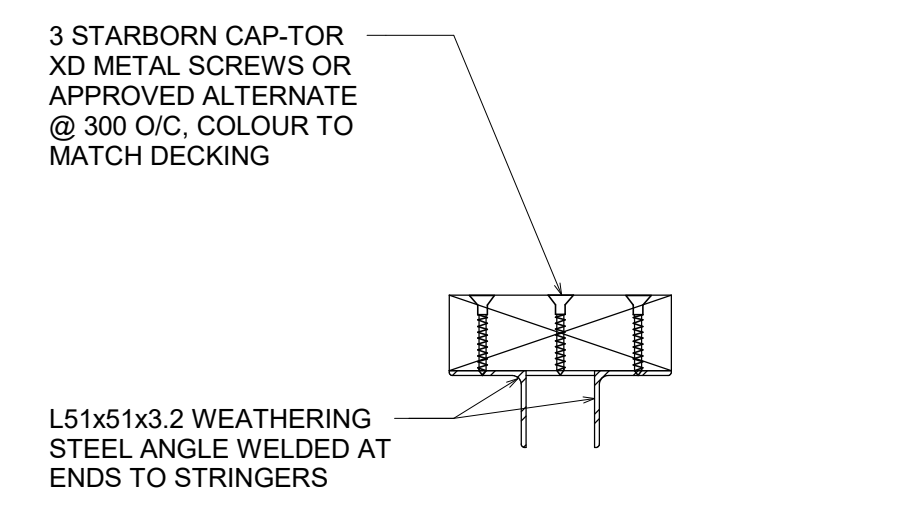
5 STAIR STRINGER @ LANDING  
S04 1:5



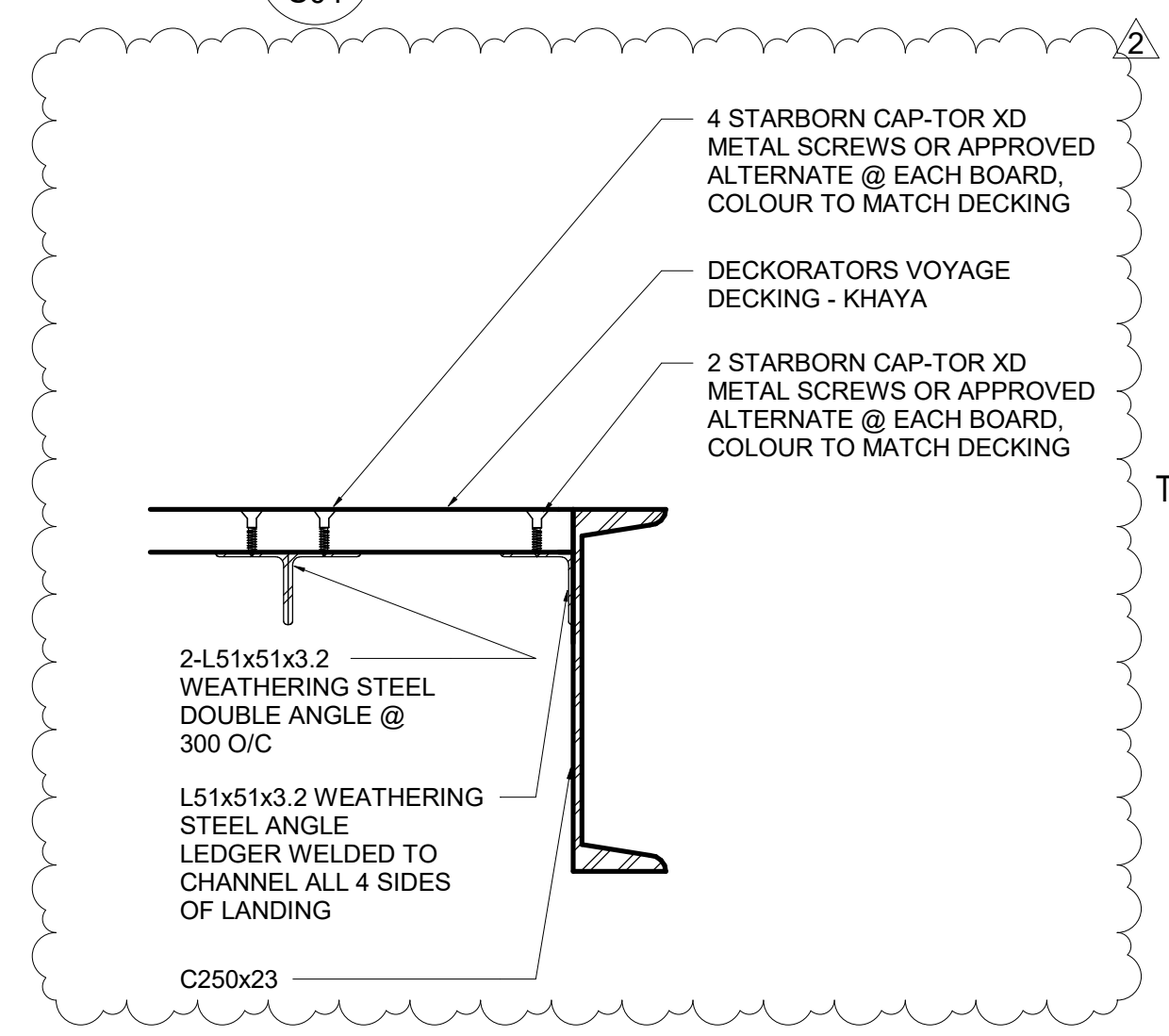
4 STAIR STRINGER @ BOTTOM HINGE  
S04 1:5



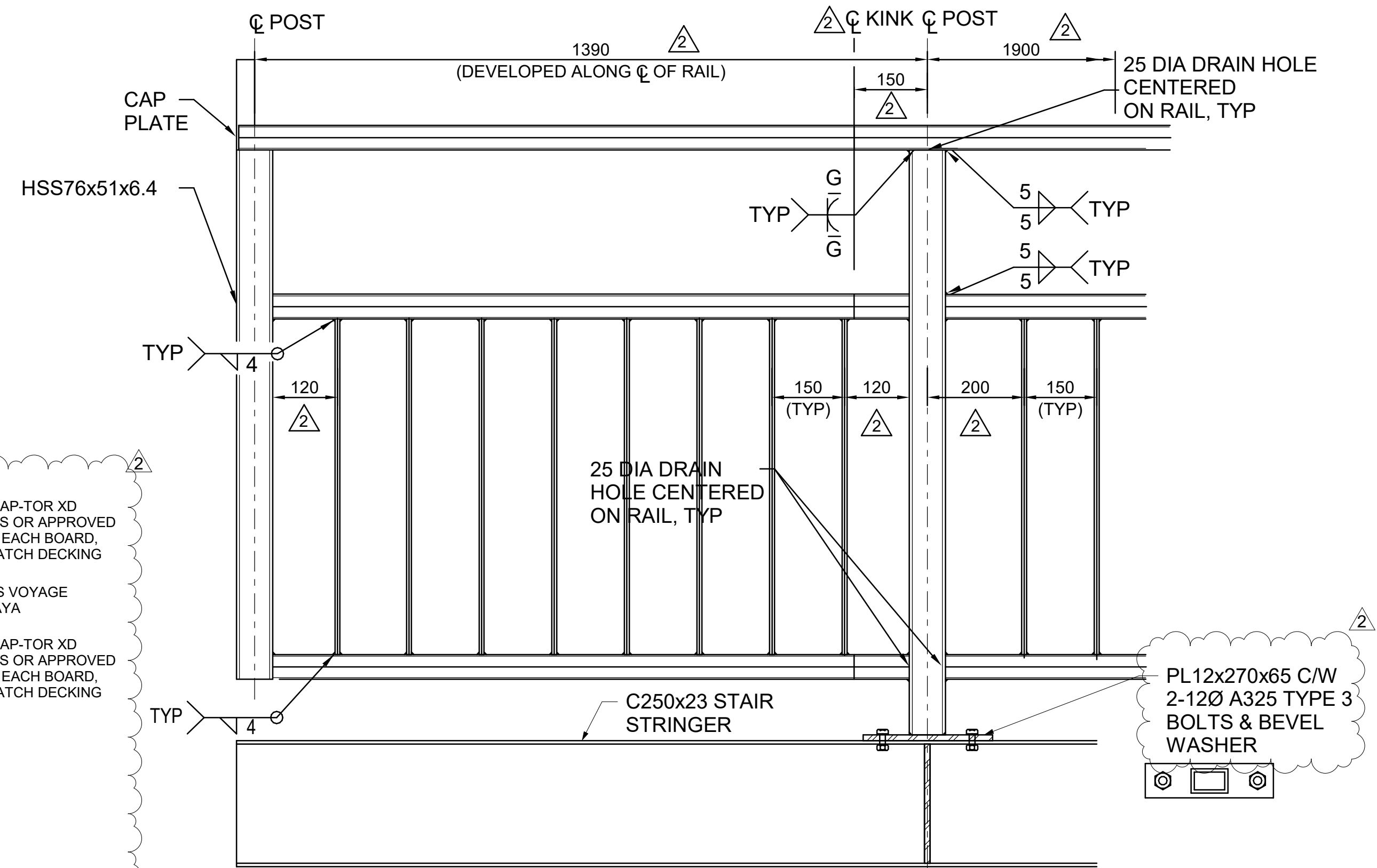
3 STAIR STRINGER CONNECTION TO LANDING  
S04 1:5



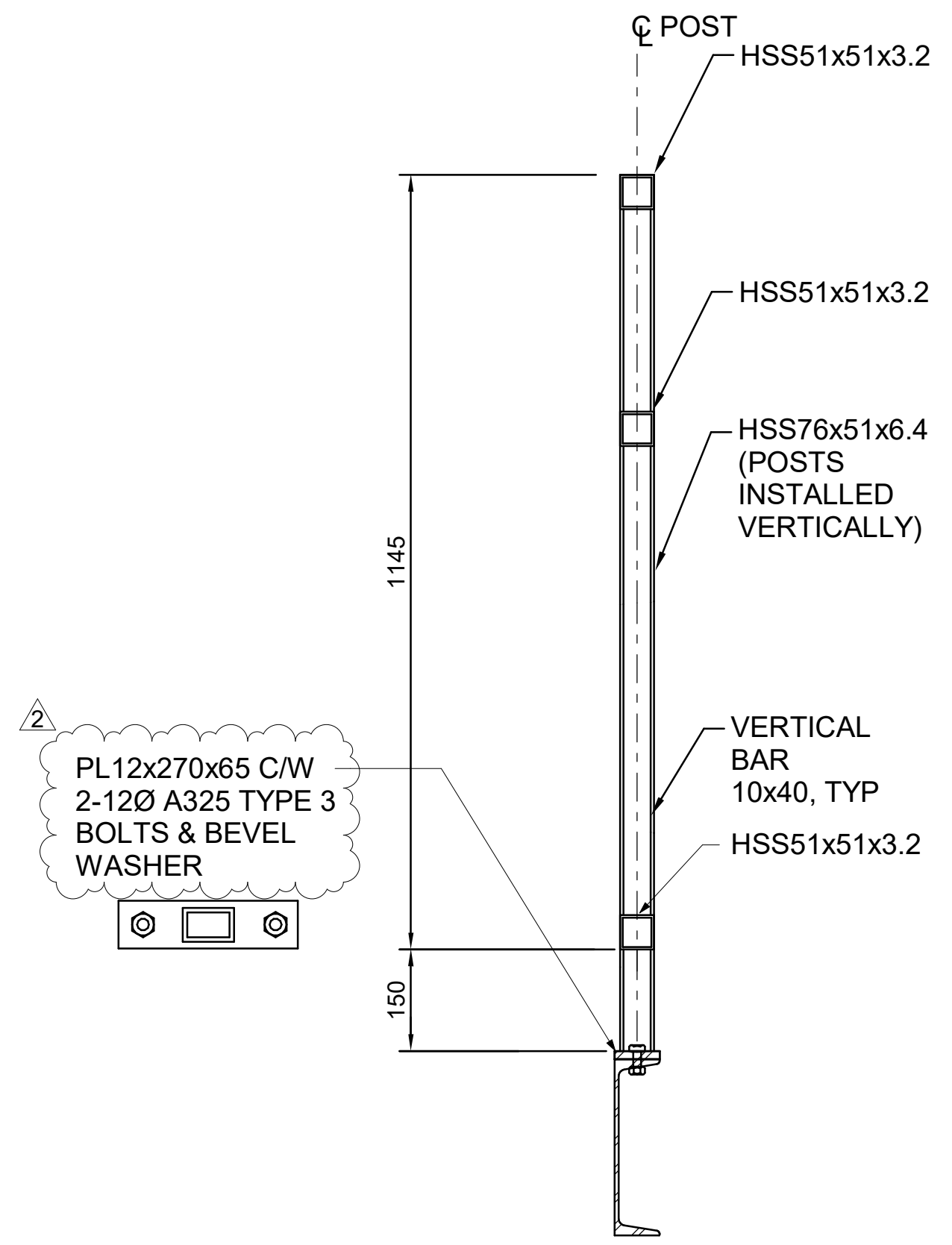
6 STAIR TREAD  
S04 1:5



2 STAIR LANDING CONNECTION TO STRINGER  
S04 1:5



1 STEEL STAIR HANDRAIL  
S04 NTS



Stamp/Seal

Revisions/Submissions

No.	DATE	DESCRIPTION
1	2023.05.26	ISSUED FOR TENDER
2	2023.08.22	ADDENDUM #1

Submission Phase/Status

**TENDER**

Project

**QUARRY LAKE PARK JUMPING PLATFORM**

Owner/Client

**TOWN OF CANMORE**

Title

**JUMPING PLATFORM DETAILS**

Scale

As indicated

Drawn/Designed/Design Checked:

Date

JP /LH /RC

2022-01-07

61943

**S04**

Project No:

Sheet

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