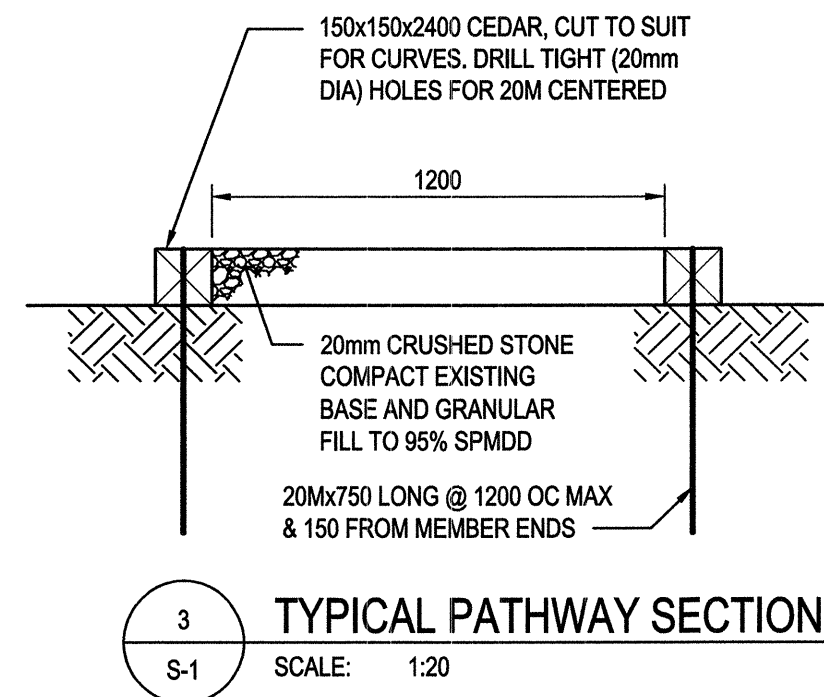


**GENERAL NOTES**

- STRUCTURAL DESIGN IN ACCORDANCE WITH THE NATIONAL BUILDING CODE 2010, SUPPLEMENTED BY THE 2010 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.
- THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN METRIC.
- MODIFICATION OF STRUCTURAL FRAMING AND/OR DETAILS MAY BE REQUIRED IF EXISTING CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS.
- READ DRAWINGS IN CONJUNCTION WITH SPECIFICATIONS, SITE SURVEY AND OTHER CONTRACT DOCUMENTS.
- SPECIFIED DESIGN LOADS (kN/m<sup>2</sup>).
  - GRAVITY: DEAD LOAD = SELF-WEIGHT
  - LIVE LOAD = 4.8 kPa (DEFT L1480)
  - SNOW LOAD = 4.92 kPa (TERRACE)
  - GUARDRAIL: GREATER OF:
    - 1.0 kN (HORIZ. LOAD AT TOP)
    - 0.75 kN/m (HORIZ. LOAD AT TOP)
  - ICE ACCRETION: MODERATE (12mm ON ALL EXPOSED SURFACES)
  - WIND: q1/50 = 0.40 kPa (SMITHERS)
  - SEISMIC:
    - Sa(0.2) = 0.136
    - Sa(0.5) = 0.097
    - Sa(1.0) = 0.063
    - Sa(2.0) = 0.039
    - PGA = 0.072
- FOR METHODS OF CONSTRUCTION, QUALITY OF WORKMANSHIP AND MATERIAL AND FOR STANDARDS AND CODES, REFER TO SPECIFICATIONS THAT ARE OF THE CONTRACT DOCUMENTS.
- ALL STRUCTURAL ITEMS MUST BE REVIEWED BY THE DEPARTMENTAL REPRESENTATIVE OR BY ANOTHER SUITABLY QUALIFIED PERSON RESPONSIBLE TO THE DEPARTMENTAL REPRESENTATIVE.
- SEE SPECIFICATIONS FOR REVIEW OF THE FOLLOWING:
  - EXCAVATIONS: BEFORE FORMING OR PLACING WOOD POSTS.
  - REINFORCING STEEL AND POUR CONDITIONS: BEFORE EACH CONCRETE POUR.
  - WOOD FRAMING AND CONNECTIONS.
- CHECK AND CONFIRM THAT WORK IS COMPLETED IN ACCORDANCE WITH CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION REVIEW. WORK FOR CONSTRUCTION REVIEW IS TO BE COMPLETED IN REASONABLY SIZED SEGMENTS.
- BRACE AND SHORE THE STRUCTURE UNTIL ALL STRUCTURAL COMPONENTS ARE COMPLETED. BRACING SHOWN IS DESIGNED FOR LOADS TO COMPLETED STRUCTURE ONLY.
- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES TO THE DEPARTMENTAL REPRESENTATIVE.

**DRAWING INDEX**

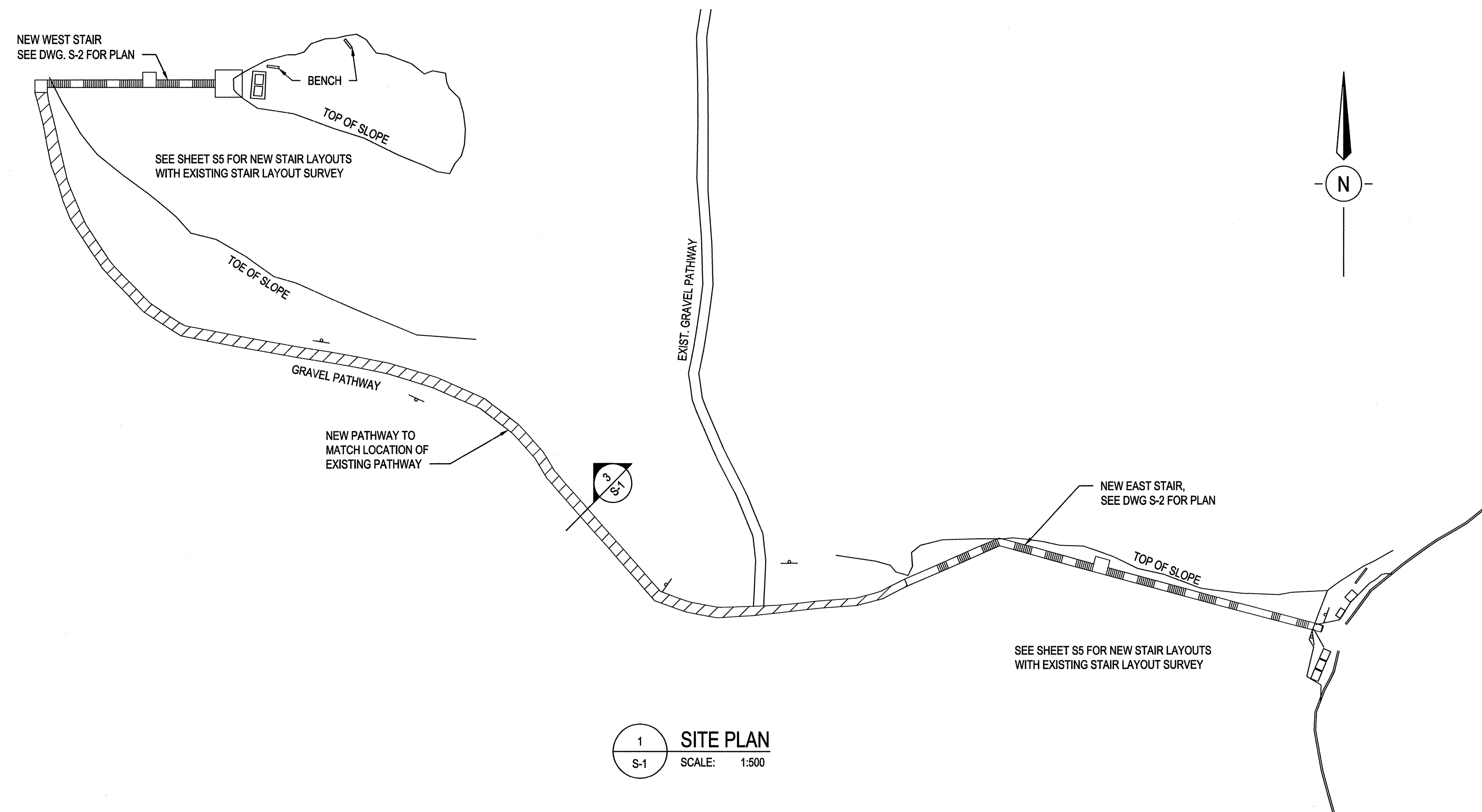
- S-1 GENERAL NOTES, SITE PLAN, LOCATION PLAN AND SECTIONS
- S-2 STAIR PLANS AND ELEVATIONS
- S-3 SECTIONS AND DETAILS
- S-4 SECTIONS AND DETAILS



3 TYPICAL PATHWAY SECTION  
S-1 SCALE: 1:20

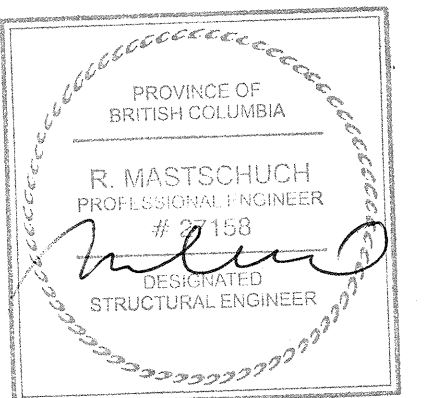


2 LOCATION PLAN  
S-1 SCALE: NTS



1 SITE PLAN  
S-1 SCALE: 1:500

- NOTES:**
- PROFILE BASED ON SURVEY DRAWINGS SK#5487.00 BY PARKS CANADA.
  - ALL NAILS TO BE GALVANIZED 4.2mm DIAMETER x 89 LONG, TYP U.N.O.
  - ALL SCREWS TO BE 6mm DIAMETER x 100 LONG SELF TAPPING GALVANIZED SCREWS U.N.O.
  - ALL STEEL TO BE HOT DIPPED GALVANIZED.
  - ALL WOOD STRINGERS AND GUARDRAIL POSTS TO BE No. 1 CEDAR. OTHER WOOD ELEMENTS TO BE No.2 CEDAR. WOOD MEMBER SIZES ARE ACTUAL SIZES.
  - FOR METHODS OF CONSTRUCTION, QUALITY OF WORKMANSHIP AND MATERIAL AND FOR STANDARDS AND CODES, REFER TO SPECIFICATIONS THAT ARE PART OF THE CONTRACT DOCUMENTS.
  - (E) DENOTES EXISTING.
  - POSTS TO BE 300mm LONGER AND FIELD CUT TO SUIT.
  - ALL EXISTING DIMENSIONS TO BE SITE CONFIRMED, LONGER MEMBERS THAN SHOWN TO BE PROVIDED AND FIELD CUT TO SUIT.
  - T = TREAD WIDTH
  - R = RISER HEIGHT
  - B1 = 50x300 BEAM



DEC 17 2015

**DO NOT SCALE DRAWINGS**

Revision/Description	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	12/17/2015
1	90% REVIEW	10/22/2015
0	65% REVIEW	08/06/2015

Public Works and Government Services Canada

800 Burrard Street - 12th Floor  
Vancouver B.C.

Project title/Titre du projet  
KITWANGA  
BRITISH COLUMBIA

**GITWANGAK  
BATTLE HILL  
STAIR REPLACEMENT**

Approved by/Approve par

Designed by/Concept par  
BC

Drawn by/Dessiné par  
GM

PWGSC Project Manager/Administrateur de Projets TPSGC  
TOM DUNPHY

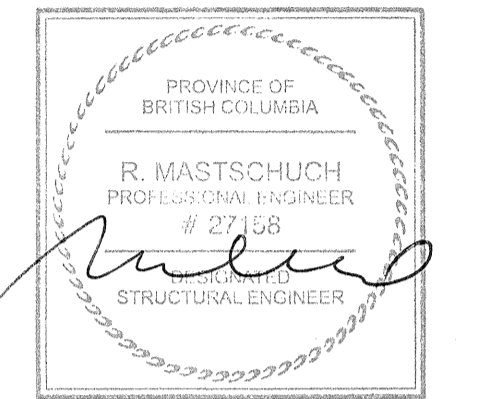
PWGSC Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC

Client/client  
PWGSC

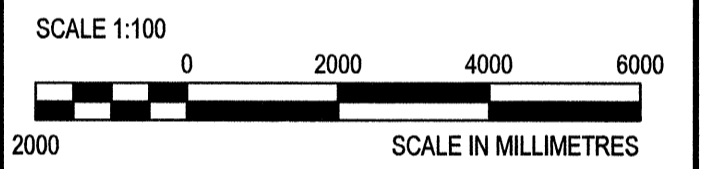
Drawing title/Titre du dessin

**GENERAL NOTES, SITE PLAN,  
LOCATION PLAN AND SECTIONS**

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.076123.001	S-1 OF 5	2



DEC 17 2015



DO NOT SCALE DRAWINGS

Revision/Description	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	12/17/2015
1	90% REVIEW	09/22/2015
0	60% REVIEW	08/05/2015

Public Works and Government Services Canada

800 Burrard Street - 12th Floor  
Vancouver B.C.

Project title/Titre du projet  
KITWANGA  
BRITISH COLUMBIA

**GITWANGAK  
BATTLE HILL  
STAIR REPLACEMENT**

Approved by/Approve par

Designed by/Concept par  
BC

Drawn by/Dessiné par  
GM

PWGSC Project Manager/Administrateur de Projets TPSGC  
TOM DUNPHY

PWGSC Architectural and Engineering Resources Manager/  
Ressources Architectural et de Directeur d'ingénierie, TPSGC

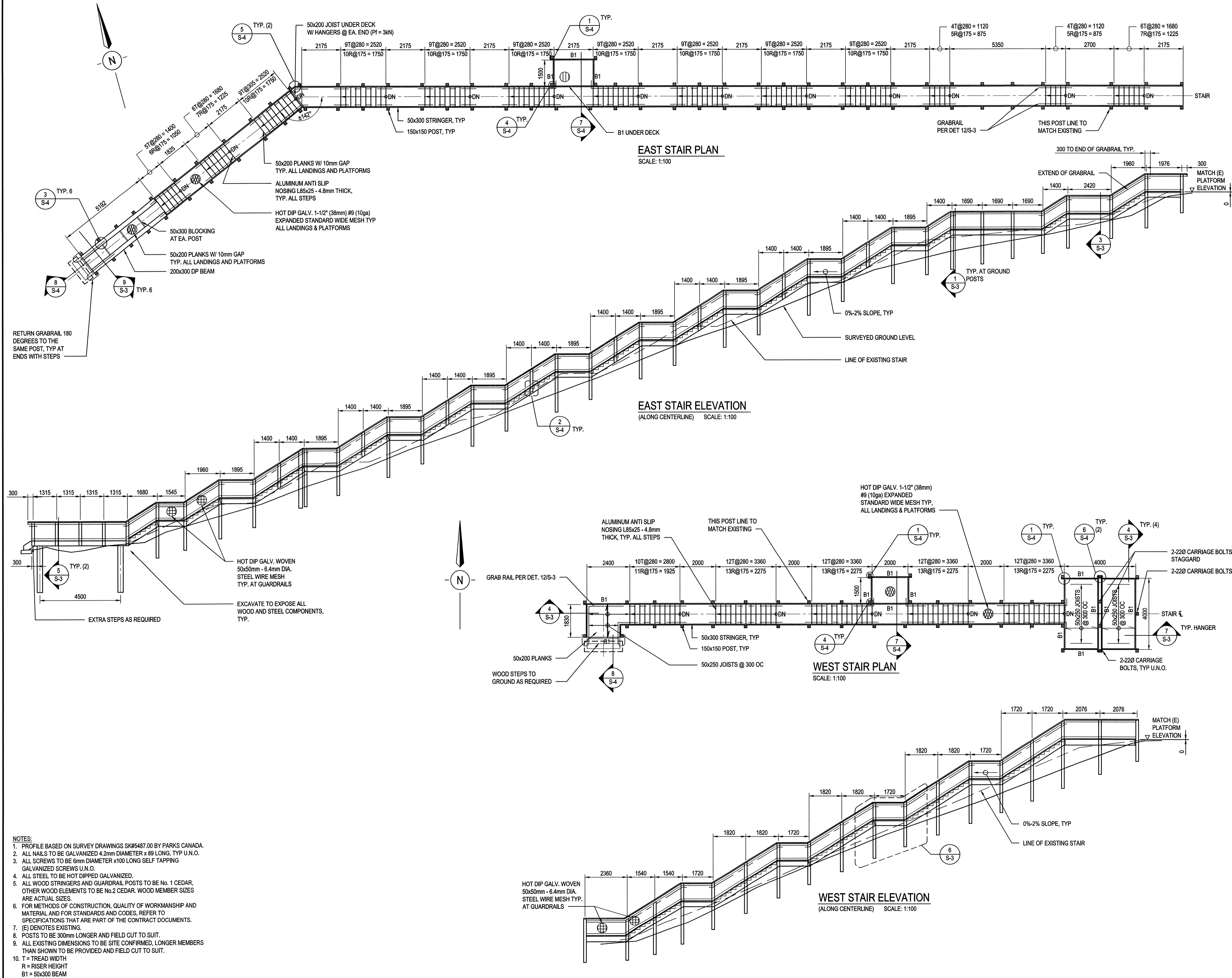
Client/Client

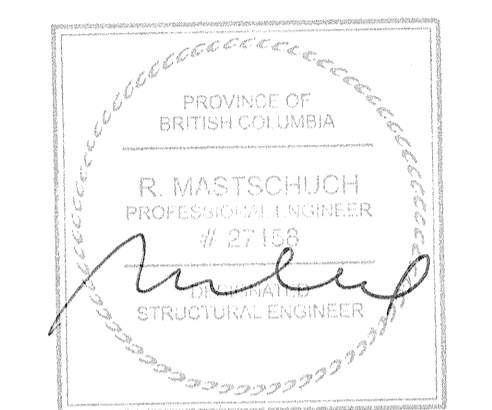
PWGSC

Drawing title/Titre du dessin

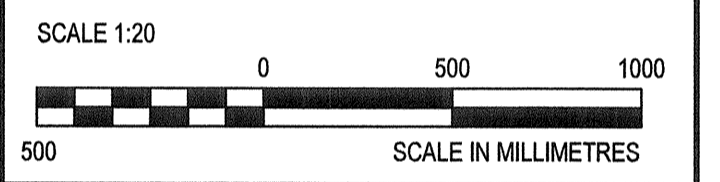
STAIR PLANS AND ELEVATIONS

Project No./No. du projet	Sheet/Feuille	Revision no./ La Révision no.
R.076123.001	S-2 OF 5	2





DEC 17 2015



DO NOT SCALE DRAWINGS

Revision/Édition	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	12/17/2015
1	90% REVIEW	09/22/2015
0	60% REVIEW	08/06/2015

Public Works and Government Services Canada

800 Burrard Street - 12th Floor  
Vancouver B.C.

Project title/Titre du projet  
**KITWANGA  
BRITISH COLUMBIA**

**GITWANGAK  
BATTLE HILL  
STAIR REPLACEMENT**

Approved by/Approve par

Designed by/Concept par  
BC

Drawn by/Dessiné par  
GM  
PWGSC Project Manager/Administrateur de Projets TPGSC  
TOM DUNPHY

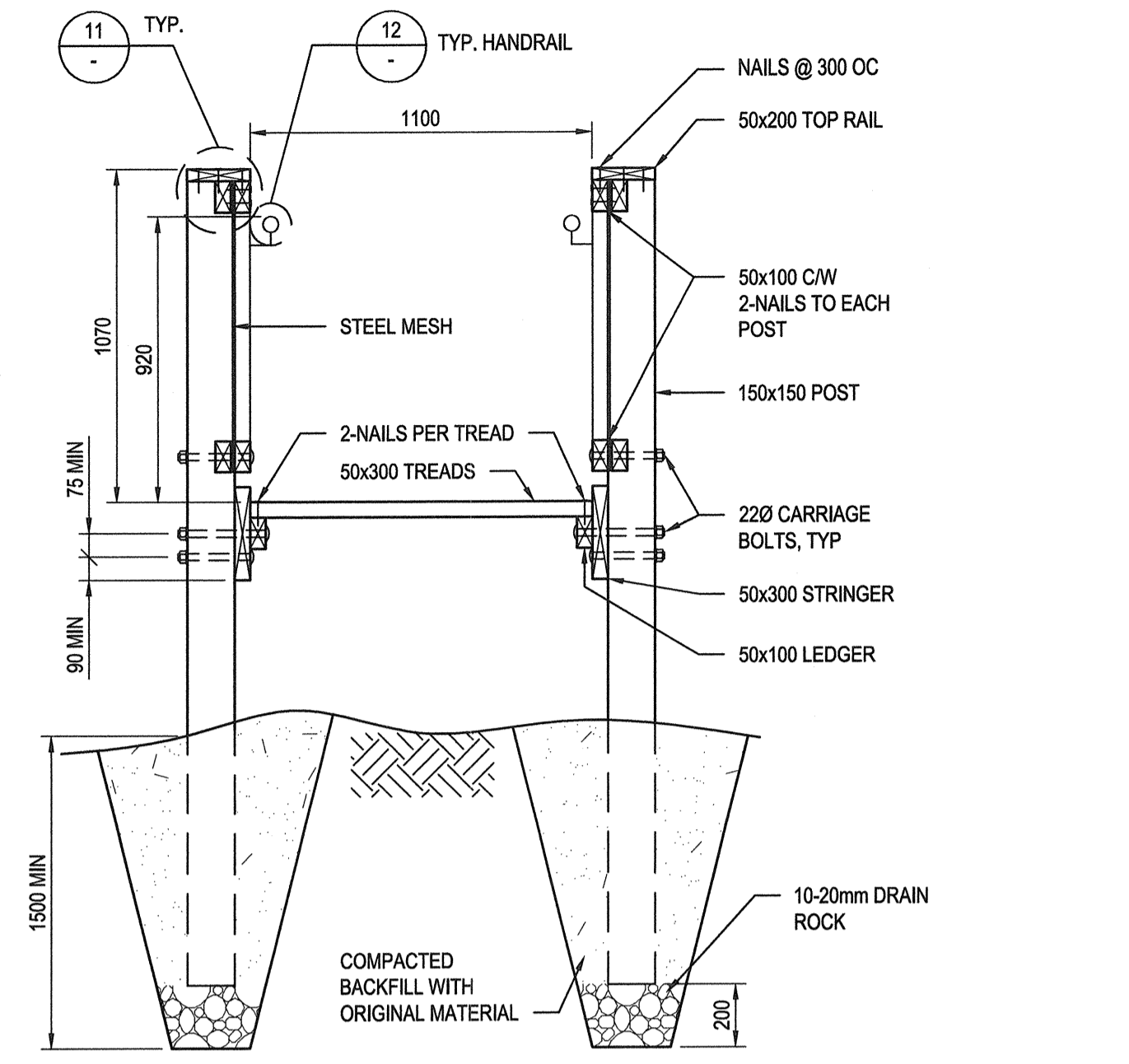
PWGSC, Architectural and Engineering Resources Manager/ Ressources Architecturales et de Directeur d'Ingénierie, TPGSC

Client/Client  
PWGSC

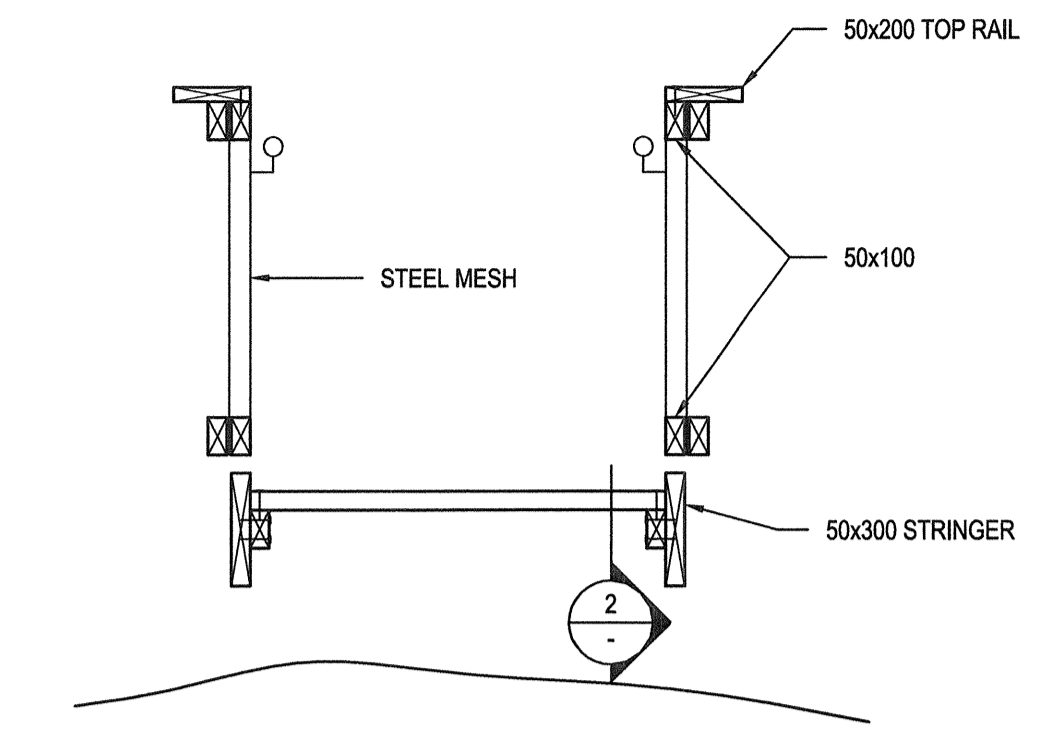
Drawing title/Titre du dessin

SECTIONS AND DETAILS

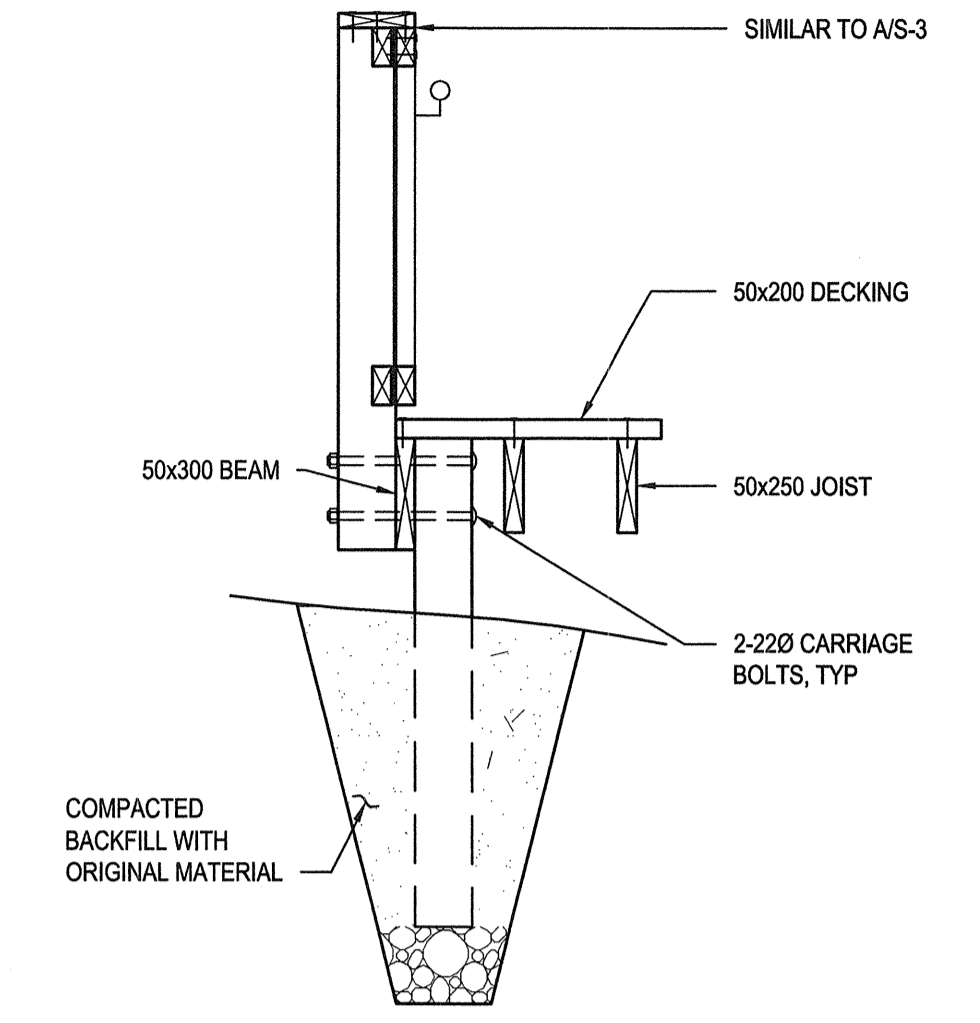
Project No./No. du projet	Sheet/Fauille	Revision no./La Révision no.
R.076123.001	<b>S-3</b> OF 5	<b>2</b>



2 TYPICAL LEDGER. Scale: 1:20. Shows a cross-section of a ledger with 2-nails per tread and 50x300 treads.

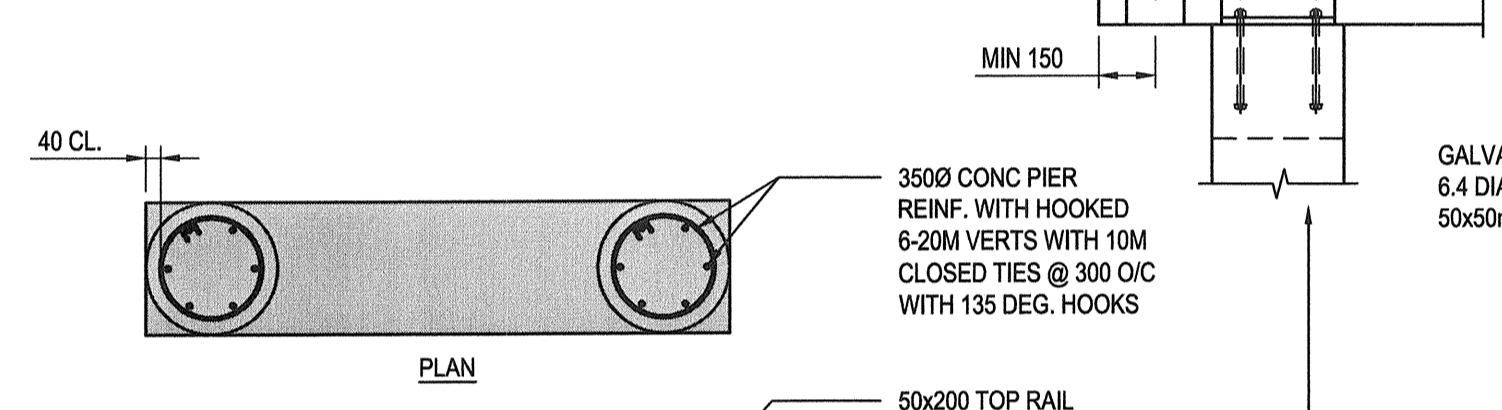


3 TYPICAL SECTION BETWEEN POSTS. Scale: 1:20. Dimensions & details refer to A/S-3.

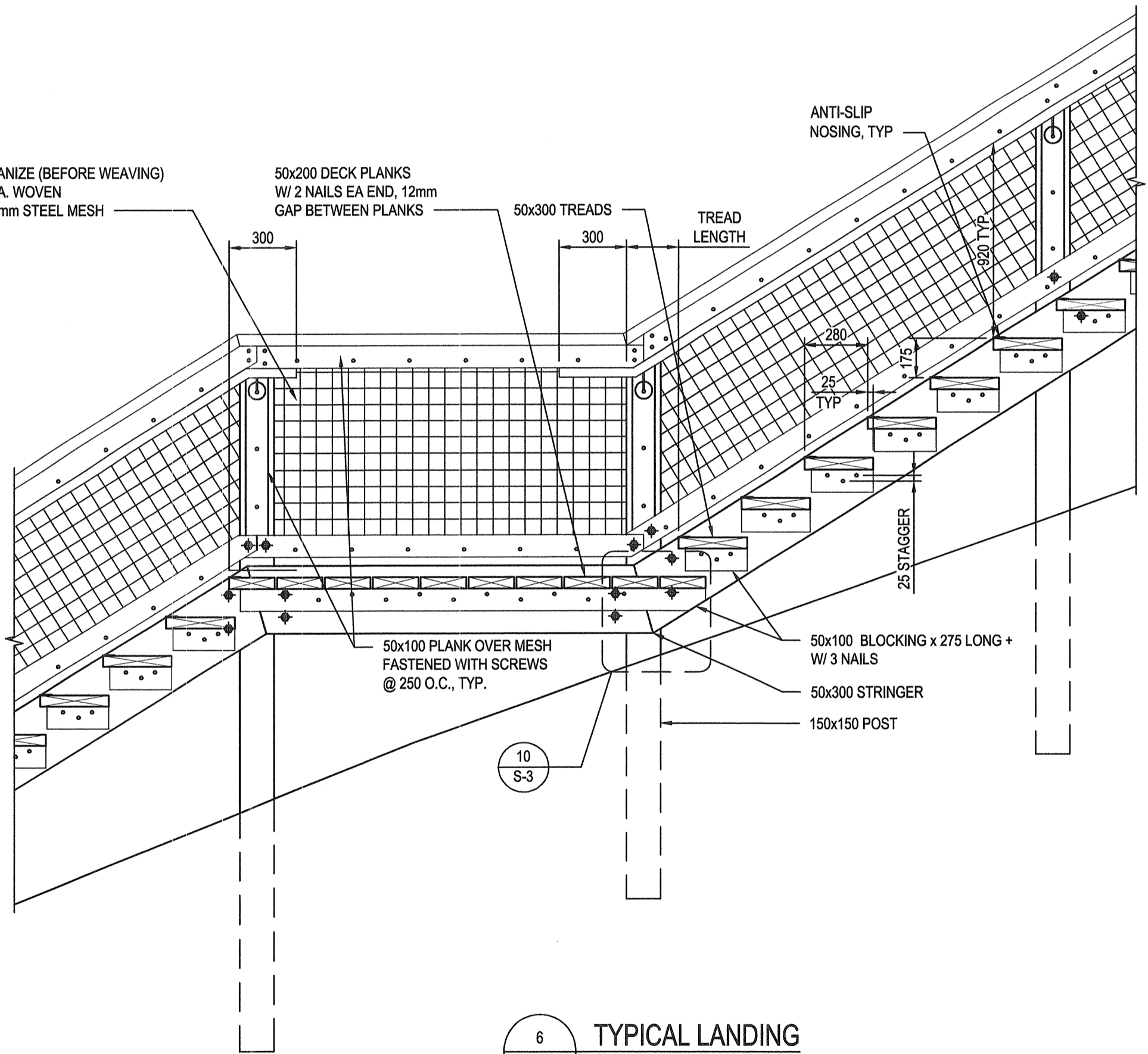


4 TYPICAL SECTION AT PLATFORM CORNER. Scale: 1:20. Similar to A/S-3.

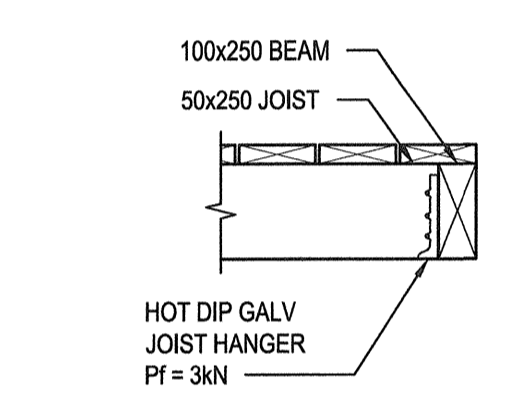
1 TYPICAL STAIR SECTION AT MAIN POSTS. Scale: 1:20.



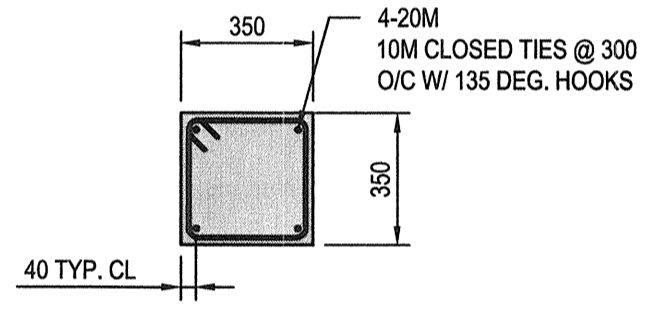
5 CONCRETE BENT. Scale: 1:20.



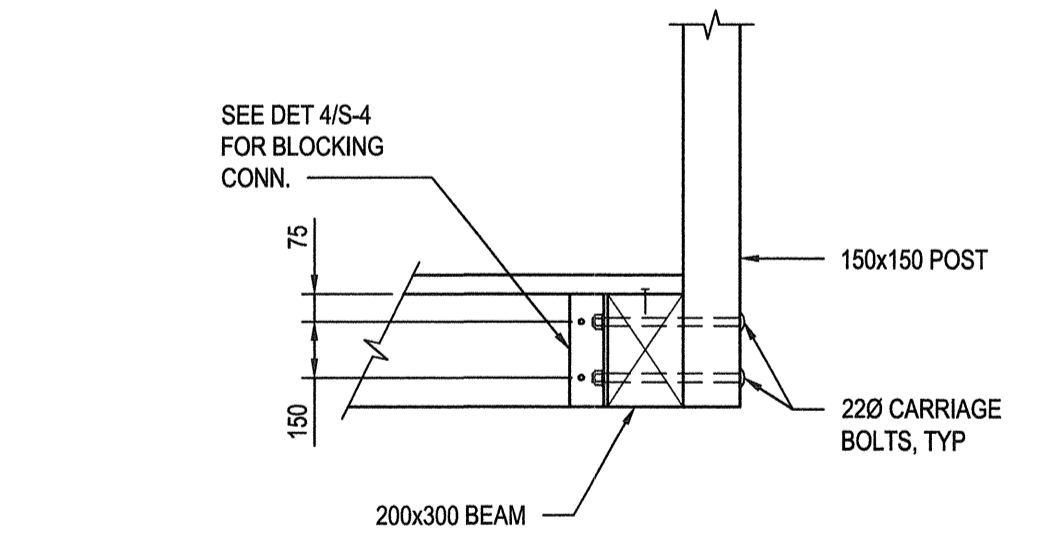
6 TYPICAL LANDING. Scale: 1:20.



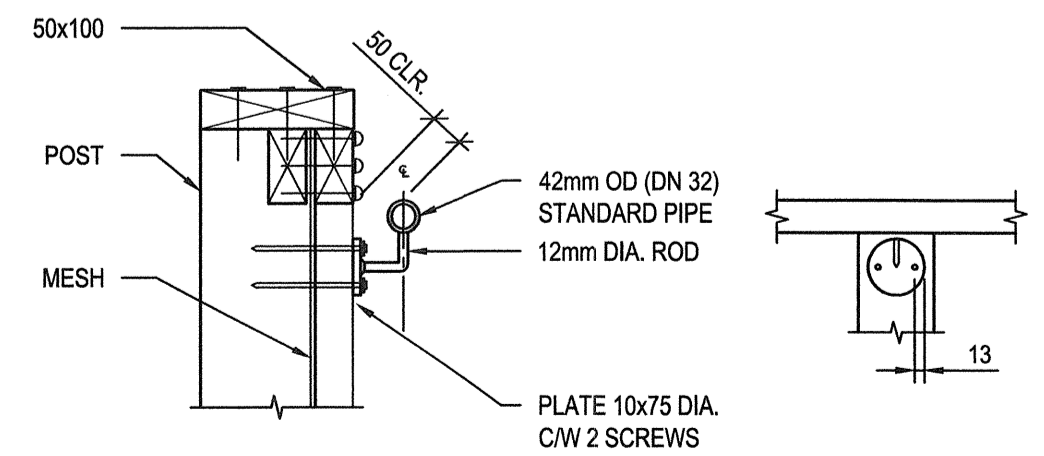
7 TYPICAL HANGER DETAIL. Scale: 1:20.



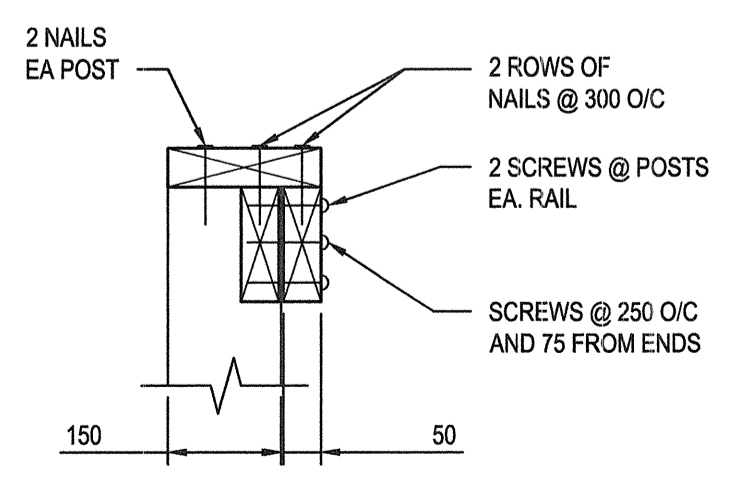
8 TYPICAL CONC. BEAM. Scale: 1:20.



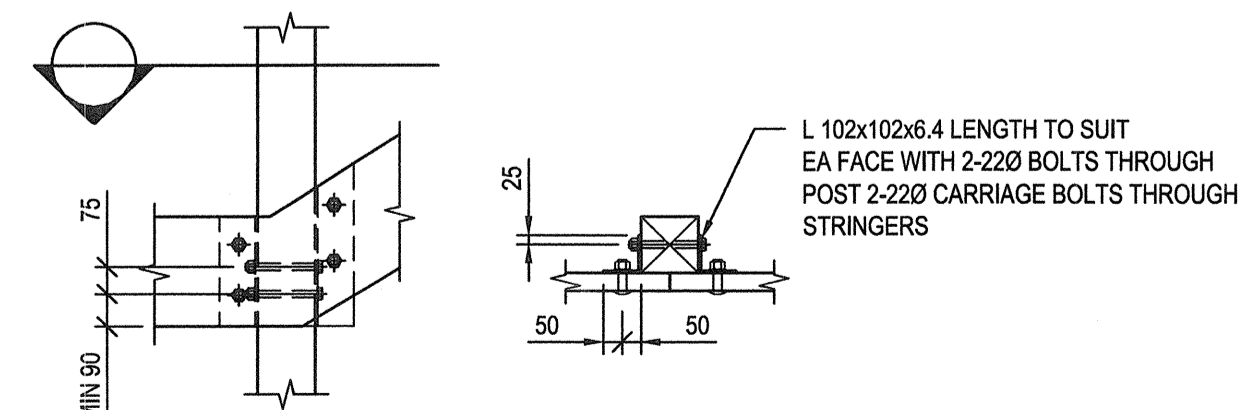
9 TYPICAL INTERMEDIATE GUARD POST-TO-BEAM CONNECTION. Scale: 1:20.



12 TYPICAL HANDRAIL. Scale: 1:10.



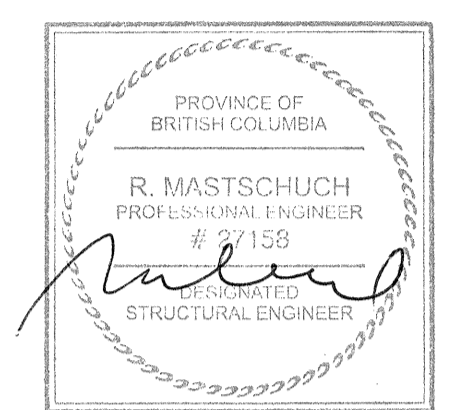
11 TYPICAL GUARDRAIL DETAIL (TOP). Scale: 1:10.



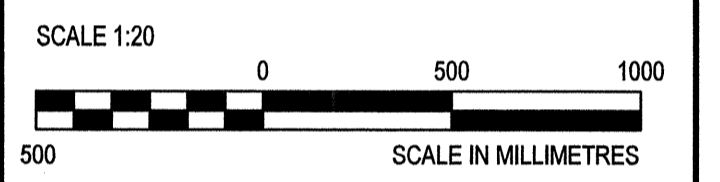
10 TYPICAL STRINGER-TO-POST CONNECTION. Scale: 1:20.

- NOTES:
1. PROFILE BASED ON SURVEY DRAWINGS SK#5487.00 BY PARKS CANADA.
  2. ALL NAILS TO BE GALVANIZED 4.2mm DIAMETER x 89 LONG, TYP U.N.O.
  3. ALL SCREWS TO BE 9mm DIAMETER x 100 LONG SELF TAPPING GALVANIZED SCREWS U.N.O.
  4. ALL STEEL TO BE HOT DIPPED GALVANIZED.
  5. ALL WOOD STRINGERS AND GUARDRAIL POSTS TO BE No. 1 CEDAR, OTHER WOOD ELEMENTS TO BE No.2 CEDAR. WOOD MEMBER SIZES ARE ACTUAL SIZES.
  6. FOR METHODS OF CONSTRUCTION, QUALITY OF WORKMANSHIP AND MATERIAL AND FOR STANDARDS AND CODES, REFER TO SPECIFICATIONS THAT ARE PART OF THE CONTRACT DOCUMENTS.
  7. (E) DENOTES EXISTING.
  8. POSTS TO BE 300mm LONGER AND FIELD CUT TO SUIT.
  9. ALL EXISTING DIMENSIONS TO BE SITE CONFIRMED, LONGER MEMBERS THAN SHOWN TO BE PROVIDED AND FIELD CUT TO SUIT.
  10. T = TREAD WIDTH  
R = RISER HEIGHT  
B1 = 50x300 BEAM





DEC 17 2015



DO NOT SCALE DRAWINGS

5		
4		
3		
2	ISSUED FOR TENDER	12/17/2015
1	90% REVIEW	09/22/2015
0	65% REVIEW	08/06/2015
Revision/Revisions	Description/Description	Date/Date

Client/client

Public Works and Government Services Canada

800 Burrard Street - 12th Floor  
Vancouver B.C.

Project title/Titre du projet  
**KITWANGA  
BRITISH COLUMBIA**

**GITWANGAK  
BATTLE HILL  
STAIR REPLACEMENT**

Approved by/Approve par

Designed by/Concept par  
BC

Drawn by/Dessiné par  
GM

PWGC Project Manager/Administrateur de Projets TPSGC  
TOM DUNPHY

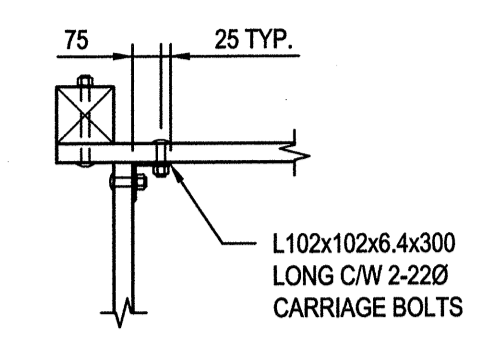
PWGC, Architectural and Engineering Resources Manager/  
Ressources Architecturales et de Directeur d'Ingénierie, TPSGC

Client/client  
PWGC

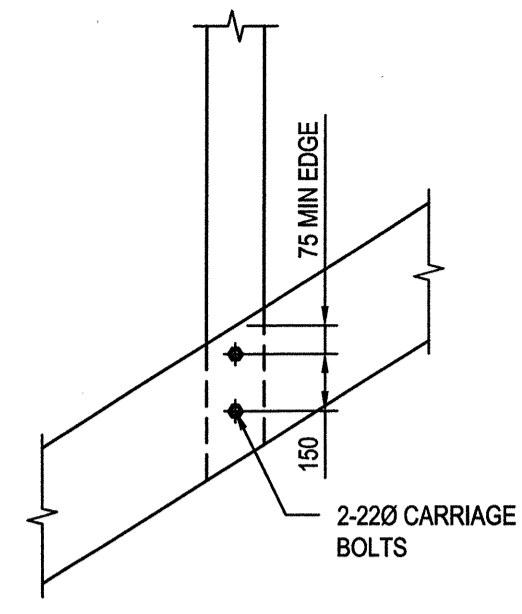
Drawing title/Titre du dessin

SECTIONS AND DETAILS

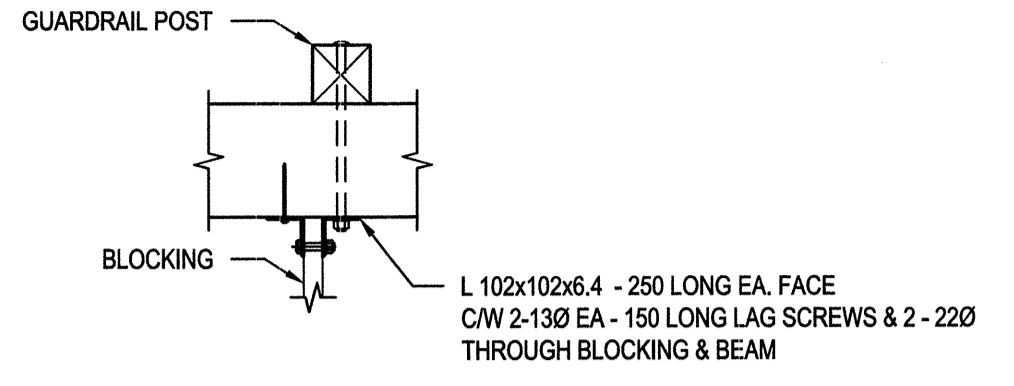
Project No./No. du projet <b>R.076123.001</b>	Sheet/Fauille <b>S-4</b> OF 5	Revision no./La Révision no. <b>2</b>
--	-------------------------------------	--



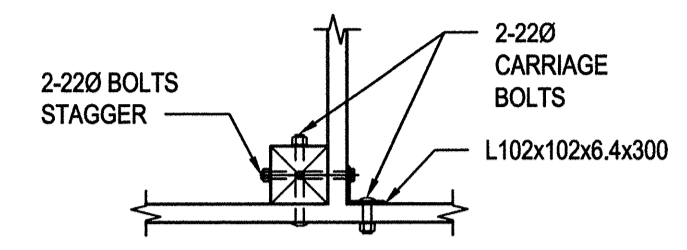
1 DETAIL  
S-2 SCALE: 1:20



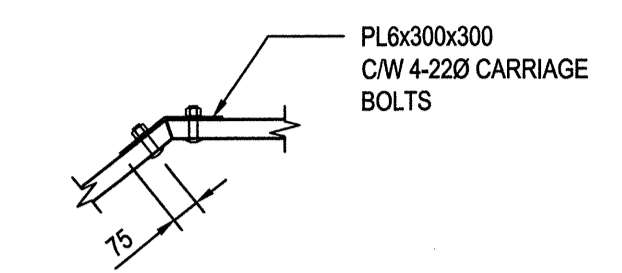
2 DETAIL  
S-2 SCALE: 1:20



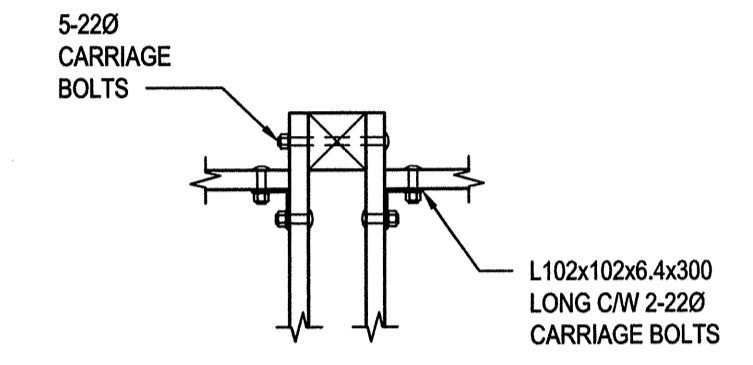
3 DETAIL  
S-2 SCALE: 1:20



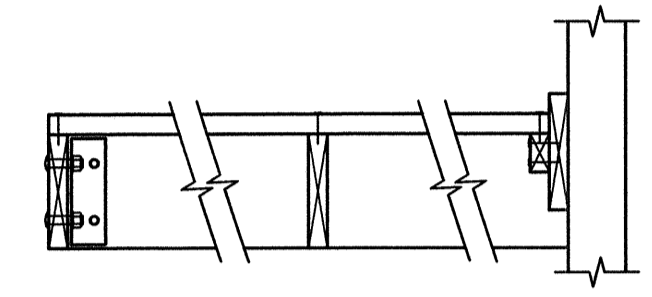
4 DETAIL  
S-2 SCALE: 1:20



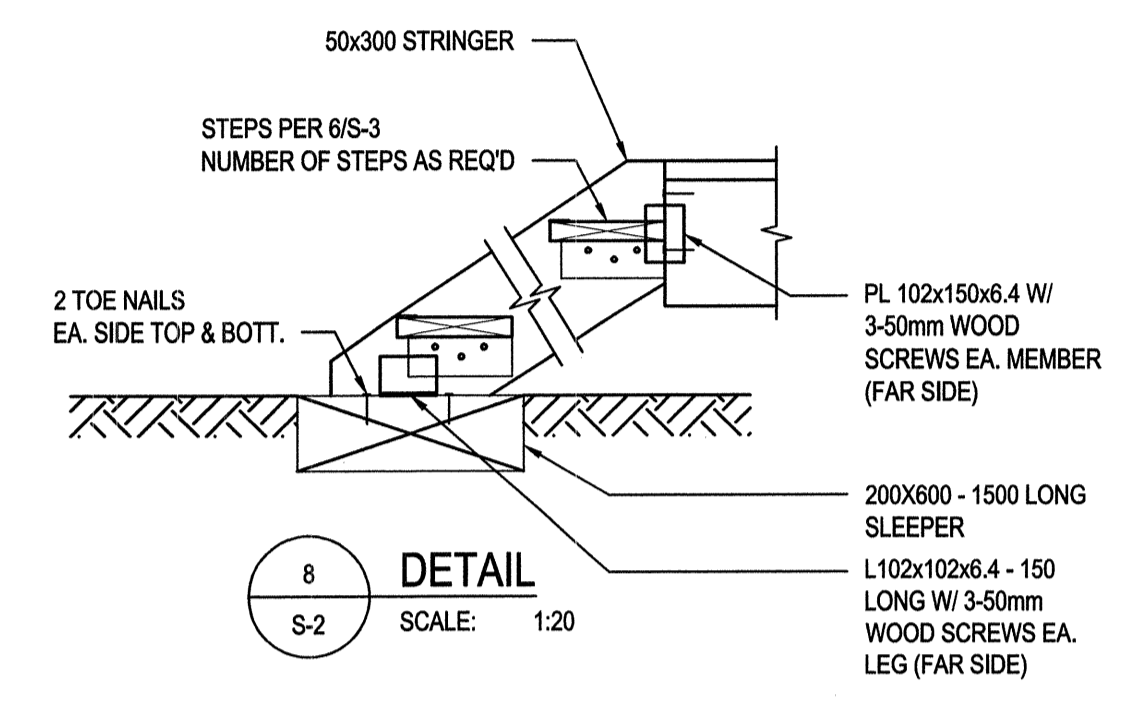
5 DETAIL  
S-2 SCALE: 1:20



6 DETAIL  
S-2 SCALE: 1:20



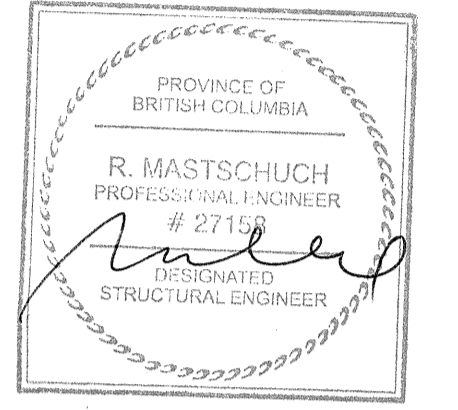
7 DETAIL  
S-2 SCALE: 1:20



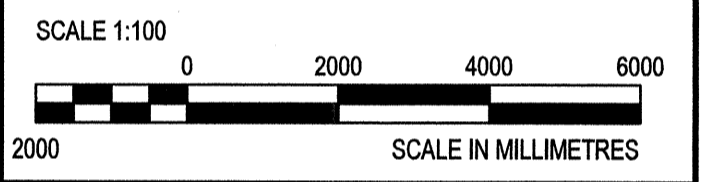
8 DETAIL  
S-2 SCALE: 1:20

- NOTES:
1. PROFILE BASED ON SURVEY DRAWINGS SK#5487.00 BY PARKS CANADA.
  2. ALL NAILS TO BE GALVANIZED 4.2mm DIAMETER x 89 LONG, TYP U.N.O.
  3. ALL SCREWS TO BE Ømm DIAMETER x100 LONG SELF TAPPING GALVANIZED SCREWS U.N.O.
  4. ALL STEEL TO BE HOT DIPPED GALVANIZED.
  5. ALL WOOD STRINGERS AND GUARDRAIL POSTS TO BE No. 1 CEDAR, OTHER WOOD ELEMENTS TO BE No.2 CEDAR. WOOD MEMBER SIZES ARE ACTUAL SIZES.
  6. FOR METHODS OF CONSTRUCTION, QUALITY OF WORKMANSHIP AND MATERIAL AND FOR STANDARDS AND CODES, REFER TO SPECIFICATIONS THAT ARE PART OF THE CONTRACT DOCUMENTS.
  7. (E) DENOTES EXISTING.
  8. POSTS TO BE 300mm LONGER AND FIELD CUT TO SUIT.
  9. ALL EXISTING DIMENSIONS TO BE SITE CONFIRMED, LONGER MEMBERS THAN SHOWN TO BE PROVIDED AND FIELD CUT TO SUIT.
  10. T = TREAD WIDTH  
R = RISER HEIGHT  
B1 = 50x300 BEAM





DEC 17 2015



SCALE 1:100  
SCALE IN MILLIMETRES

**DO NOT SCALE DRAWINGS**

Revision/	Description/Description	Date/Date
5		
4		
3		
2	ISSUED FOR TENDER	12/17/2015
1	90% REVIEW	09/22/2015
0	60% REVIEW	08/06/2015

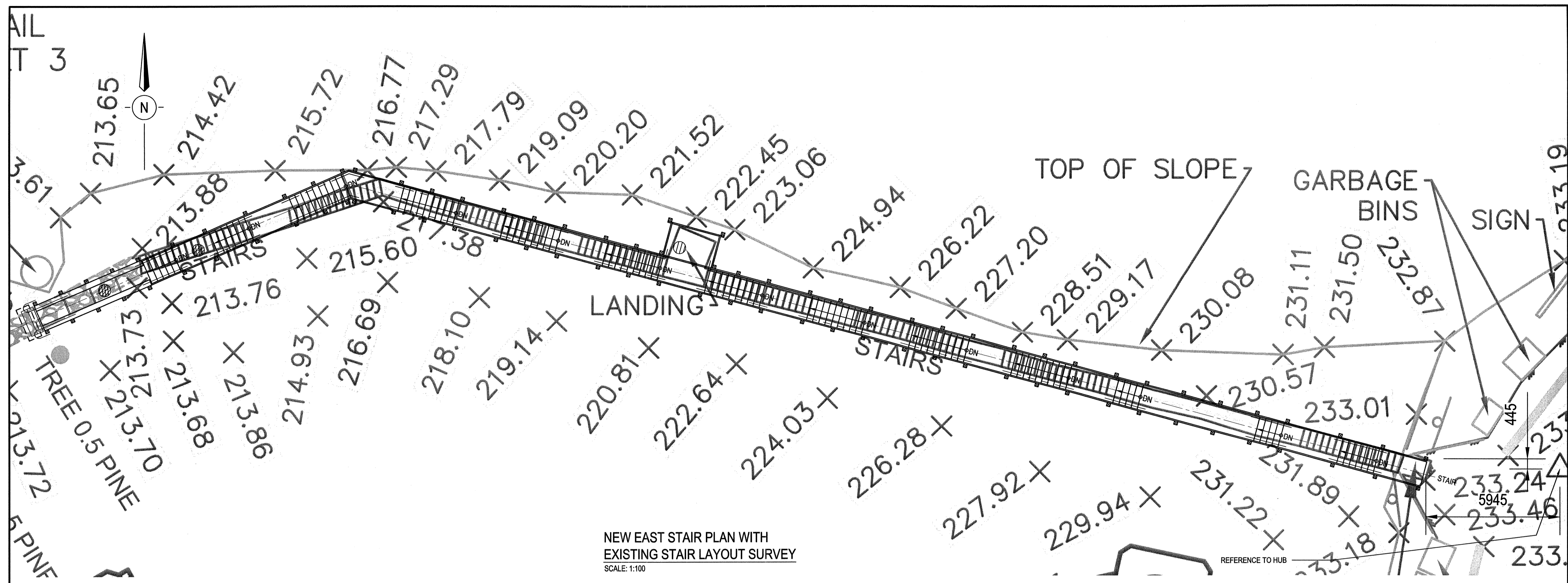
Client/client  
**Public Works and Government Services Canada**  
800 Burrard Street - 12th Floor  
Vancouver B.C.

Project title/Titre du projet  
**KITWANGA BRITISH COLUMBIA**  
**GITWANGAK BATTLE HILL STAIR REPLACEMENT**

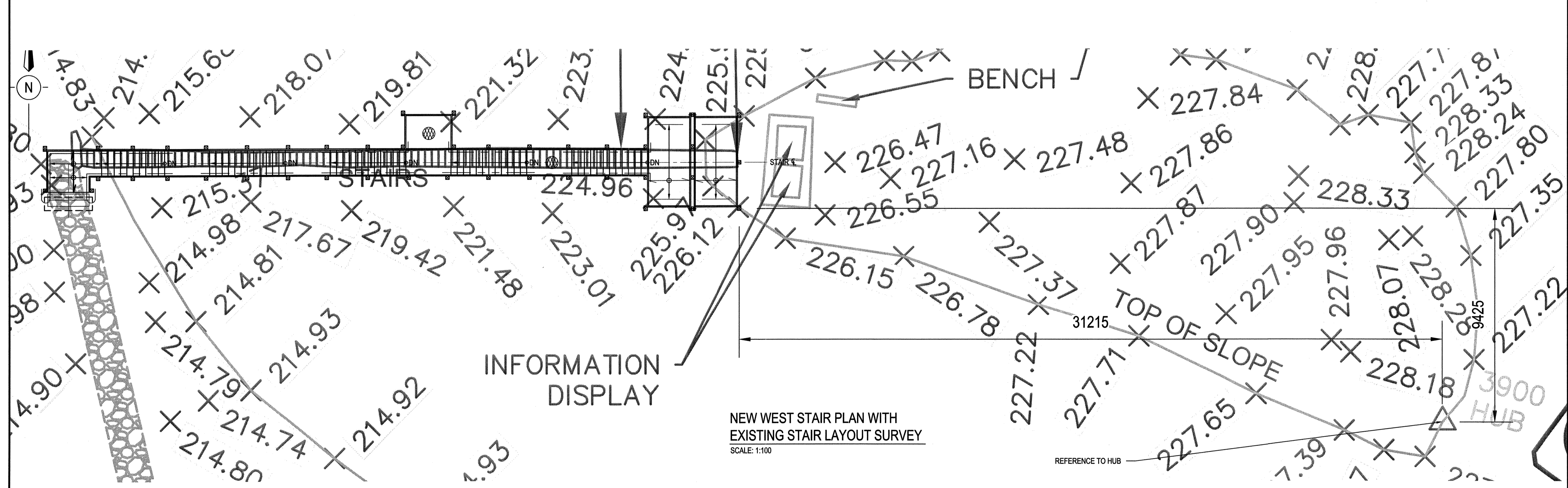
Approved by/Approve par  
Designed by/Concept par  
BC  
Drawn by/Dessine par  
GM  
PWGSC Project Manager/Administrateur de Projets YPSC  
TOM DUNPHY  
PWGSC, Architectural and Engineering Resources Manager/Ressources Architecturales et de Directeur d'Ingénierie, YPSC

Client/client  
PWGSC  
Drawing title/Titre du dessin  
**NEW STAIR PLANS WITH EXISTING STAIR LAYOUT SURVEY**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
R.076123.001	S-5 OF 5	2



NEW EAST STAIR PLAN WITH EXISTING STAIR LAYOUT SURVEY  
SCALE: 1:100



NEW WEST STAIR PLAN WITH EXISTING STAIR LAYOUT SURVEY  
SCALE: 1:100

- NOTES:
1. PROFILE BASED ON SURVEY DRAWINGS SK#5487.00 BY PARKS CANADA.
  2. ALL NAILS TO BE GALVANIZED 4.2mm DIAMETER x 89 LONG, TYP U.N.O.
  3. ALL SCREWS TO BE 6mm DIAMETER x 100 LONG SELF TAPPING GALVANIZED SCREWS U.N.O.
  4. ALL STEEL TO BE HOT DIPPED GALVANIZED.
  5. ALL WOOD STRINGERS AND GUARDRAIL POSTS TO BE No. 1 CEDAR, OTHER WOOD ELEMENTS TO BE No.2 CEDAR. WOOD MEMBER SIZES ARE ACTUAL SIZES.
  6. FOR METHODS OF CONSTRUCTION, QUALITY OF WORKMANSHIP AND MATERIAL AND FOR STANDARDS AND CODES, REFER TO SPECIFICATIONS THAT ARE PART OF THE CONTRACT DOCUMENTS.
  7. (E) DENOTES EXISTING.
  8. POSTS TO BE 300mm LONGER AND FIELD CUT TO SUIT.
  9. ALL EXISTING DIMENSIONS TO BE SITE CONFIRMED, LONGER MEMBERS THAN SHOWN TO BE PROVIDED AND FIELD CUT TO SUIT.
  10. T = TREAD WIDTH  
R = RISER HEIGHT  
B1 = 50x300 BEAM