

# CORRECTIONAL SERVICE CANADA (CSC) MISSION MINIMUM INSTITUTION EXPANSION OF HEALTH CARE

33737 DEWDNEY TRUNK ROAD, MISSION, B.C.



## DRAWINGS LIST

| SHEET NO.            | SHEET NAME  | ISSUE DATE | REVISION |
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| <b>ARCHITECTURAL</b> |   |            |          |
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| D201                 | DEMOLITION PLAN GROUND FLOOR                            | 2018.11.15 | 5        |
| D301                 | DEMOLITION PLAN REFLECTED CEILING PLAN FLOOR            | 2018.11.15 | 5        |
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| A803                 | MILLWORK DETAILS  | 2018.11.15 | 5        |
| A804                 | MILLWORK DETAILS  | 2018.11.15 | 5        |
| A805                 | MILLWORK DETAILS  | 2018.11.15 | 5        |
| A806                 | WASHROOM AND EQUIPMENT ACCESSORIES                      | 2018.11.15 | 5        |
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| S101                 | GENERAL NOTES   | 2018.11.15 | 4        |
| S102                 | TYPICAL DETAILS   | 2018.11.15 | 4        |
| S201                 | PARTIAL GROUND FLOOR & FOUNDATION PLAN                  | 2018.11.15 | 4        |
| S202                 | PARTIAL ROOF PLAN                                       | 2018.11.15 | 4        |
| <b>MECHANICAL</b>    |   |            |          |
| M-1                  | LEGEND - AIR BALANCE TABLE MECHANICAL                   | 2018.11.15 | 4        |
| M-2                  | MAIN FLOOR PLAN - DEMOLITION                            | 2018.11.15 | 4        |
| M-3                  | MAIN FLOOR PLAN - MECHANICAL                            | 2018.11.15 | 4        |
| M-4                  | ROOF PLAN - MECHANICAL                                  | 2018.11.15 | 4        |
| M-5                  | BUILDING SECTION - MECHANICAL                           | 2018.11.15 | 4        |
| P-1                  | FOUNDATION PLAN - PLUMBING                              | 2018.11.15 | 4        |
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| F-1                  | LEGEND AND DETAILS - FIRE PROTECTION                    | 2018.11.15 | 4        |
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| <b>ELECTRICAL</b>    |   |            |          |
| E000                 | COVER PAGE SYMBOL LEGEND & DRAWING LIST                 | 2018.11.15 | 4        |
| E001                 | DEMOLITION PLAN   | 2018.11.15 | 4        |
| E002                 | POWER & LOW TENSION PLAN                                | 2018.11.15 | 4        |
| E003                 | LIGHTING PLAN   | 2018.11.15 | 4        |
| E004                 | ELECTRICAL DETAILS & SCHEDULES                          | 2018.11.15 | 4        |
| E005                 | PANEL SCHEDULES   | 2018.11.15 | 4        |

### Legal Description:

EAST HALF OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 34, TOWNSHIP 17, N.W.D.

### Occupancy Type:

Group D (Table 3.1.2.1)  
 Building Height: One (1) Storey  
 Existing Building Area: 1143.0m<sup>2</sup>  
 (Renovation) 206.3m<sup>2</sup>  
 (Addition) 25.8m<sup>2</sup>  
 (New Canopy Addition) 15.0m<sup>2</sup>  
 Construction Type: Noncombustible  
 Sprinklered: Yes

### Applicable Codes:

- NBC 2015  
 - NFC 2015  
 - NFPA 2015

| Revision/Revision | Description/Description   | Date/Date  |
|-------------------|---------------------------|------------|
| 5                 | ISSUED FOR TENDER         | 2018/11/15 |
| 4                 | ISSUED FOR 99% SUBMISSION | 2018/08/27 |
| 3                 | ISSUED FOR 66% SUBMISSION | 2018/06/28 |
| 2                 | ISSUED FOR 50% SUBMISSION | 2018/05/25 |

Client/client

**CORRECTIONAL SERVICE CANADA (CSC)**

Project title/Titre du projet  
**33737 DEWDNEY TRUNK ROAD MISSION, B.C.**

**MISSION MINIMUM INSTITUTION EXPANSION OF HEALTH CARE**

Consultant Signature Only

Designed by/Concept par  
**KH / SB**

Drawn by/Dessiné par  
**KL**

PWGSC Project Manager/Administrateur de Projets TPSGC  
**CALVIN LU**

Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**COVER SHEET**

### PRIME CONSULTANT

Architectural  
 DGBK ARCHITECTS

### CONSULTANTS

Structural  
 CWMM Consulting Engineers Ltd.

Mechanical  
 Integral Group

Electrical  
 AES Engineering

Geotechnical  
 Golder Associates Ltd.

Quantity Surveyor  
 Hanscomb Ltd.

Equipment Consultant  
 Caroline Webster Consulting

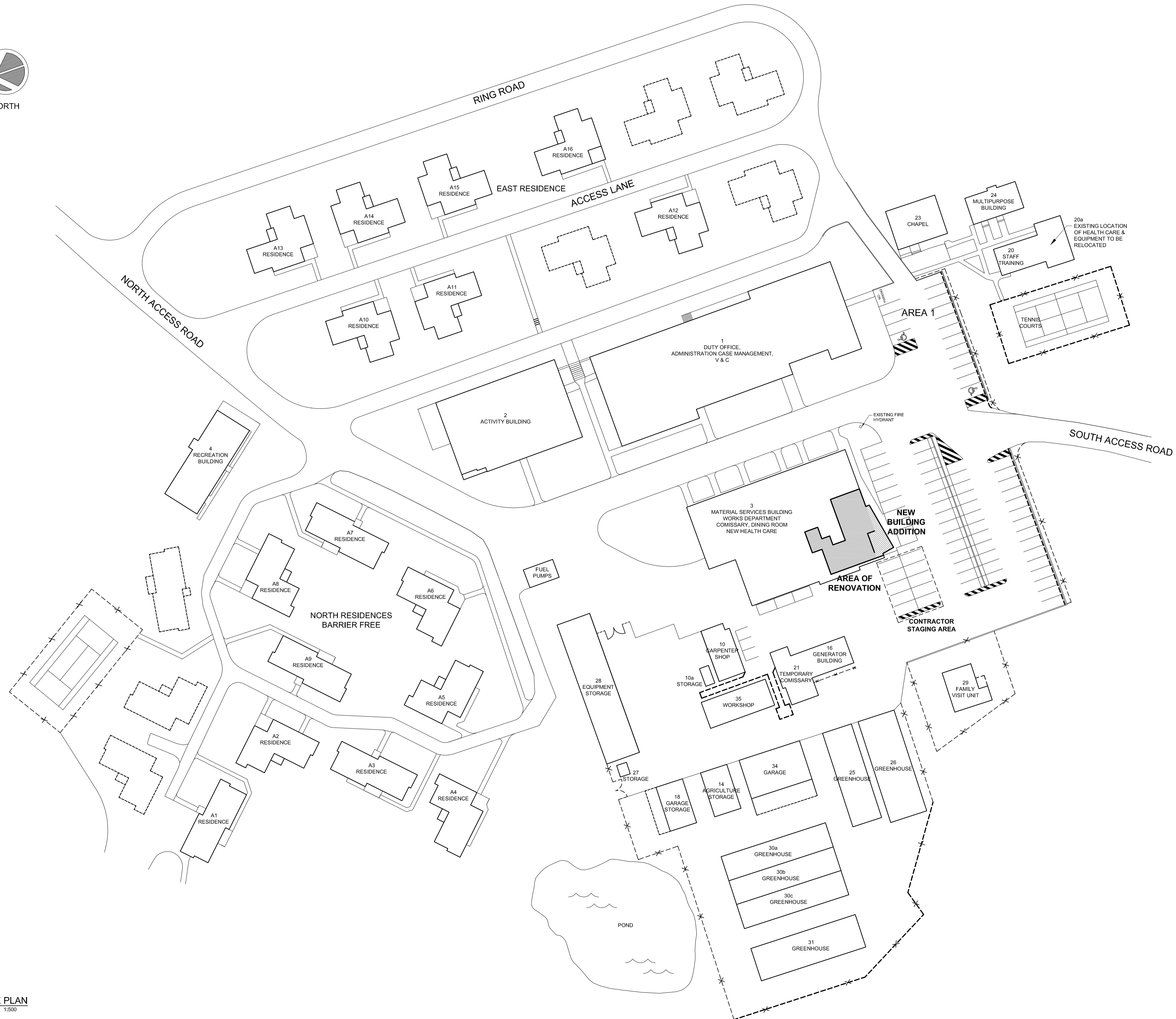
Specifications  
 Carl Selden Construction Specifications

### PROJECT MANAGER

PWGSC  
 Public Works and Government Services Canada

| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision no. |
|---------------------------|---------------|------------------------------|
| <b>R.089145.001</b>       | <b>A000</b>   | <b>5</b>                     |





- AREA OF ADDITION
- AREA OF RENOVATION

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| 1                 | ISSUED FOR PHASE 1        | 2018/03/15 |

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**CALVIN LU**

Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
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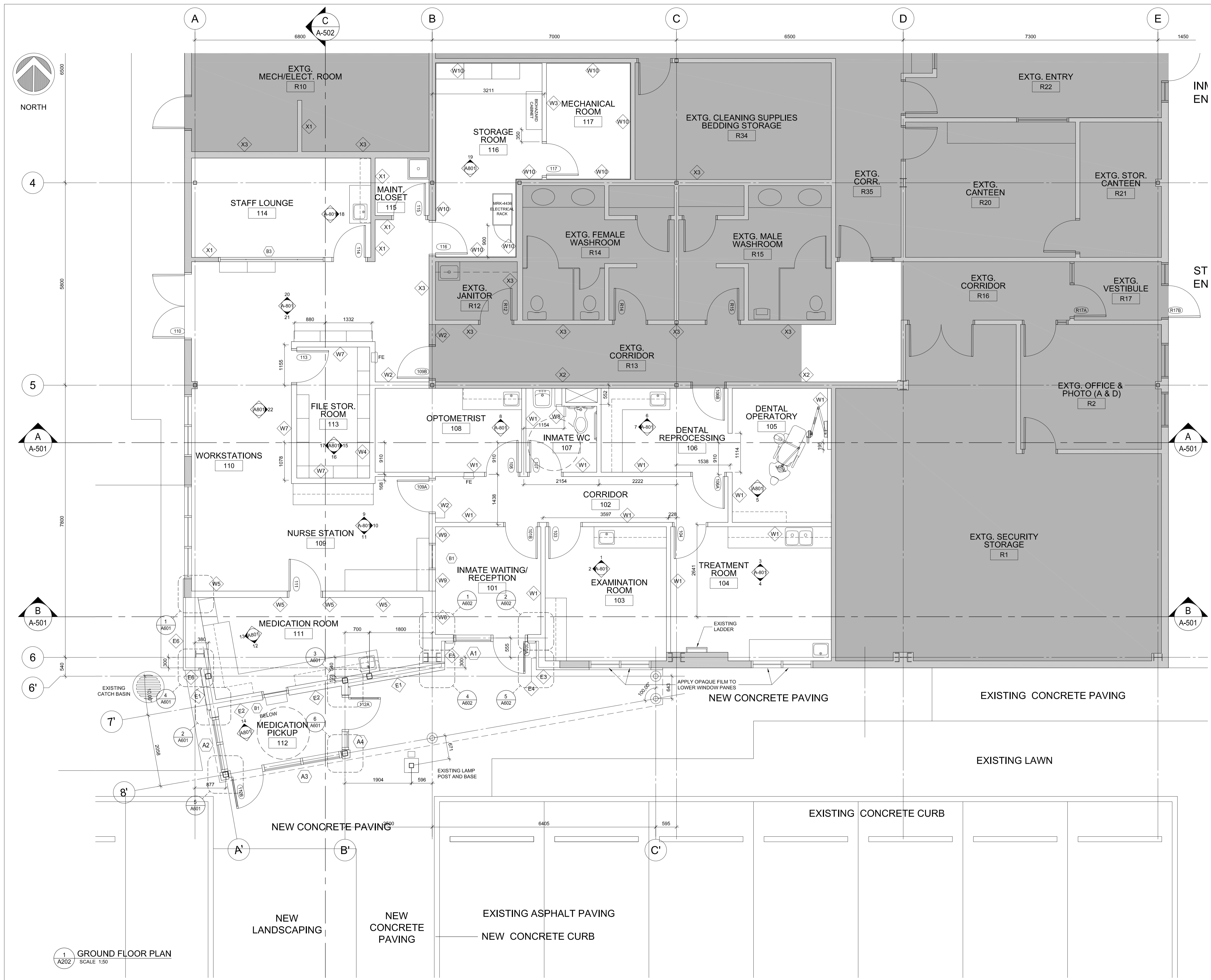
Drawing title/Titre du dessin

**SITE PLAN**

| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision no. |
|---------------------------|---------------|------------------------------|
| <b>R.089145.001</b>       | <b>A101</b>   | <b>5</b>                     |







| Revision/ | Description/Description   | Date/Date  |
|-----------|---------------------------|------------|
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**KH / SB**  
 Drawn by/Dessiné par  
**KL / KH / HB**  
 PWGSC Project Manager/Administrateur de Projets TPSGC  
**CALVIN LU**  
 Regional Manager, Architectural and Engineering Services  
 Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**  
 Drawing title/Titre du dessin  
**GROUND FLOOR PLAN**

| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision no. |
|---------------------------|---------------|------------------------------|
| <b>R.089145.001</b>       | <b>A202</b>   | <b>5</b>                     |

1 GROUND FLOOR PLAN  
 SCALE 1:50





4

5

6

6'

7'

8'

A

C  
A-502

B

C

D

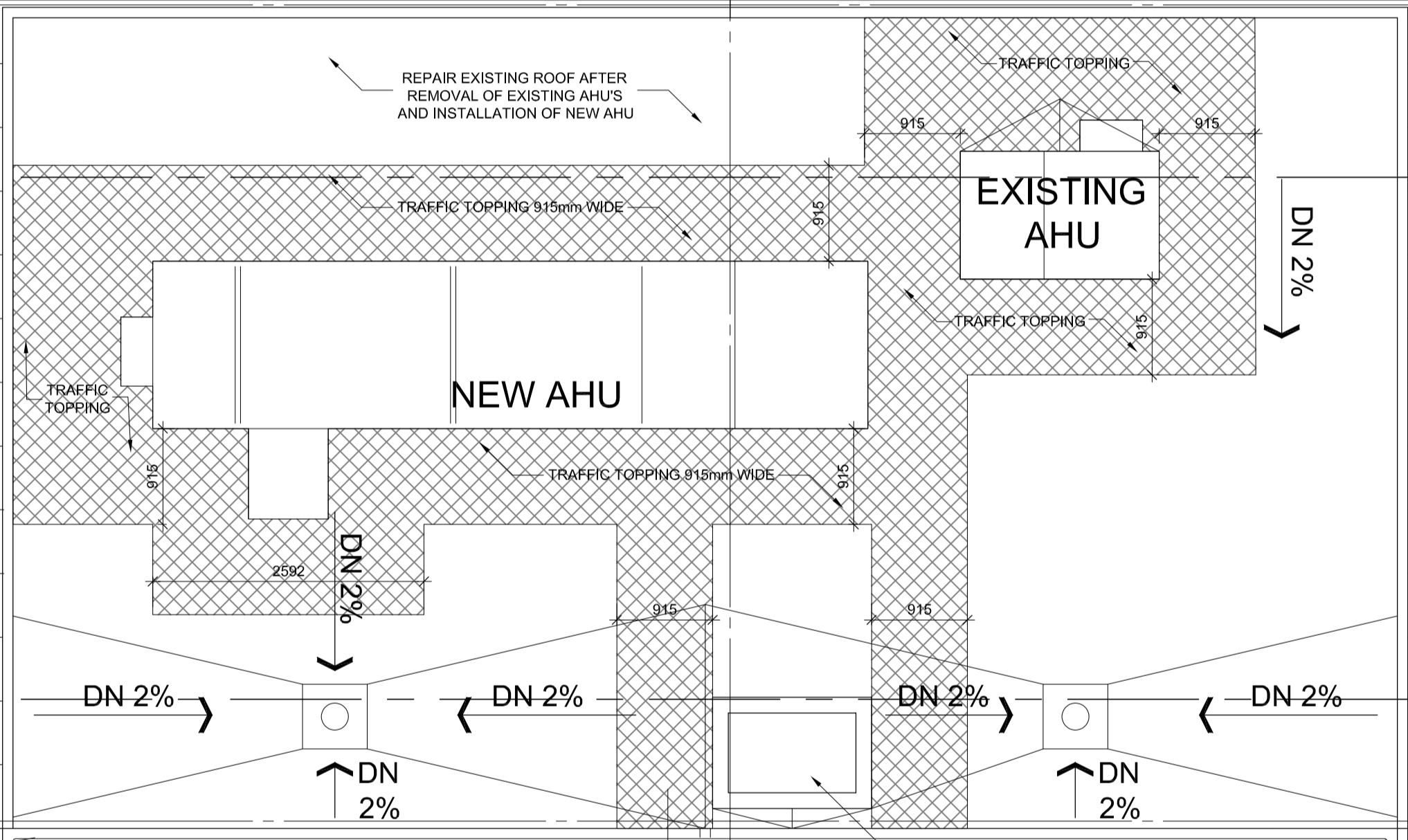
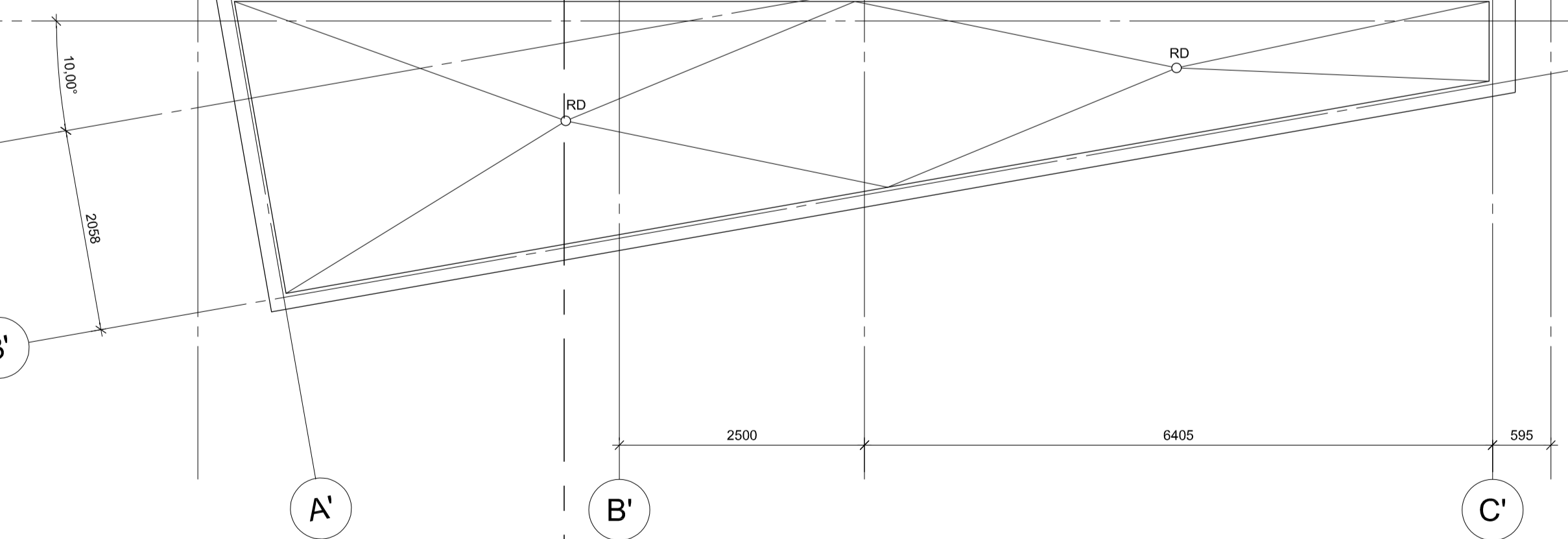
E

A  
A-501

B  
A-501

A  
A-501

B  
A-501



| Revision/Revision | Description/Description   | Date/Date  |
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Drawn by/Dessine par  
**KL**

PWSC Project Manager/Administrateur de Projets TPSCG  
**CALVIN LU**

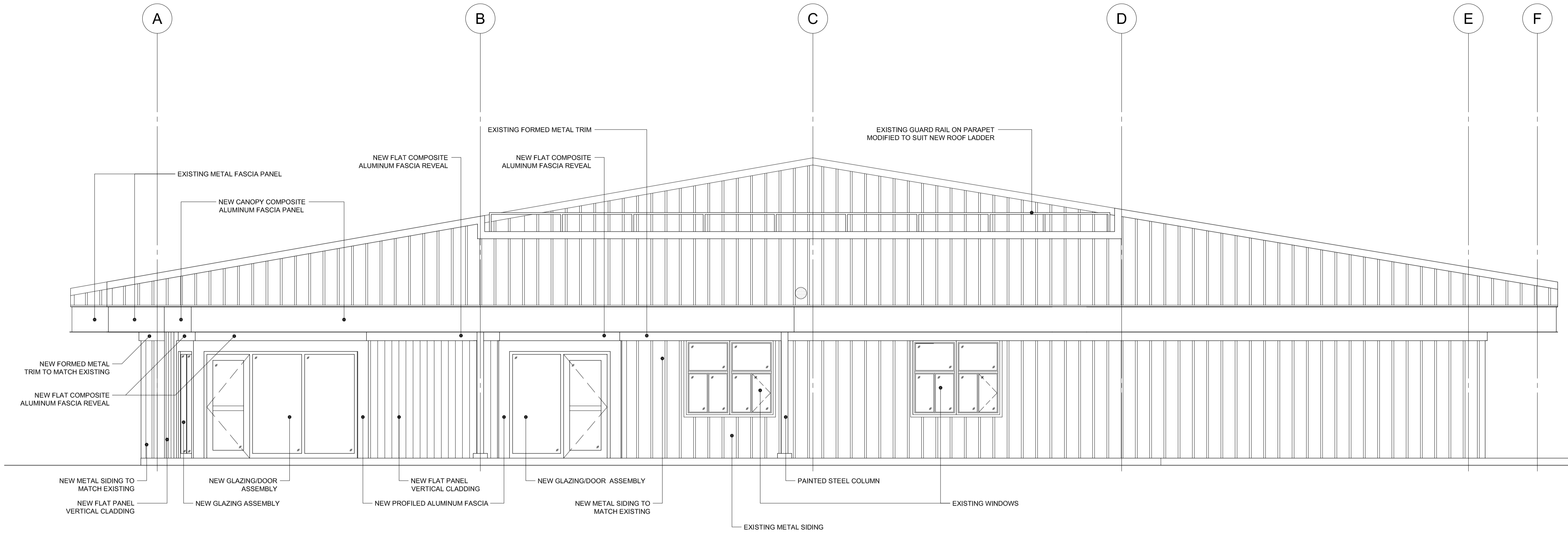
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architectural et de génie, TPSCG  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**ROOF PLAN**

|  |                               |  |
|--|-------------------------------|--|
| Project No./No. du projet<br><b>R.089145.001</b> | Sheet/ Feuille<br><b>A203</b> | Revision no./<br>La Révision no.<br><b>5</b> |
|--|-------------------------------|--|





1 SOUTH ELEVATION  
A401 SCALE 1:50

| Revision/Revision | Description/Description   | Date/Date  |
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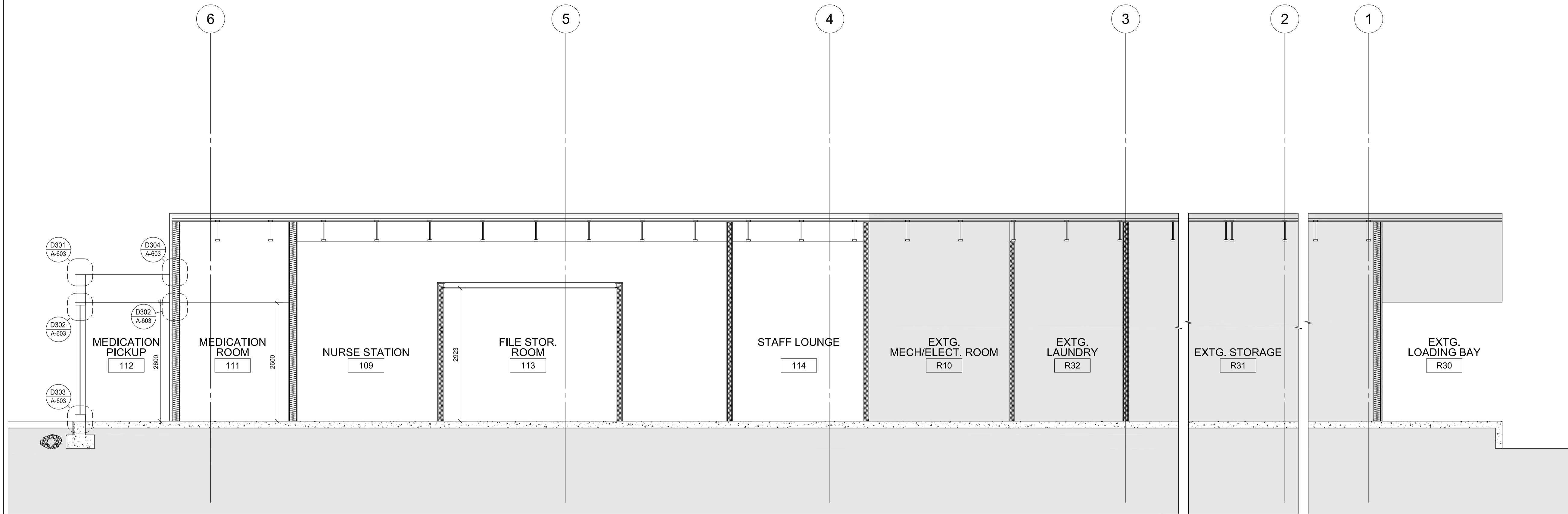
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**SOUTH ELEVATION**

|  |                              |  |
|--|------------------------------|--|
| Project No./No. du projet<br><b>R.089145.001</b> | Sheet/Feuille<br><b>A401</b> | Revision no./La Révision no.<br><b>5</b> |
|--|------------------------------|--|





1 SECTION C-C  
SCALE 1:50

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Drawn by/Dessine par  
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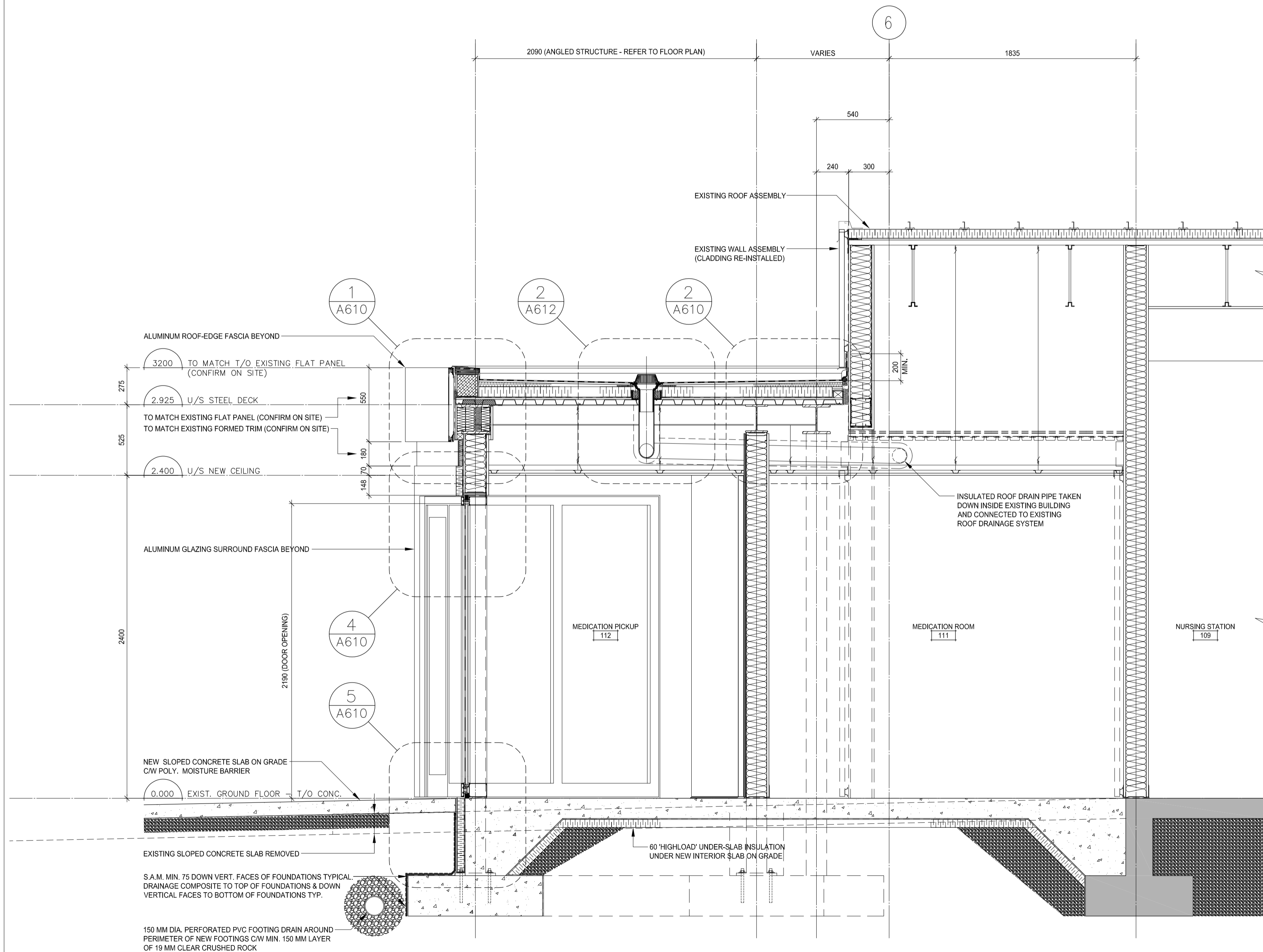
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
**PREETIPAL PAUL**

Drawing title/Titre du dessin

**BUILDING SECTION C-C**

| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision no. |
|---------------------------|---------------|------------------------------|
| <b>R.089145.001</b>       | <b>A502</b>   | <b>5</b>                     |





1 WALL SECTION - THROUGH MEDICATION PICKUP  
A-202 SCALE 1=20

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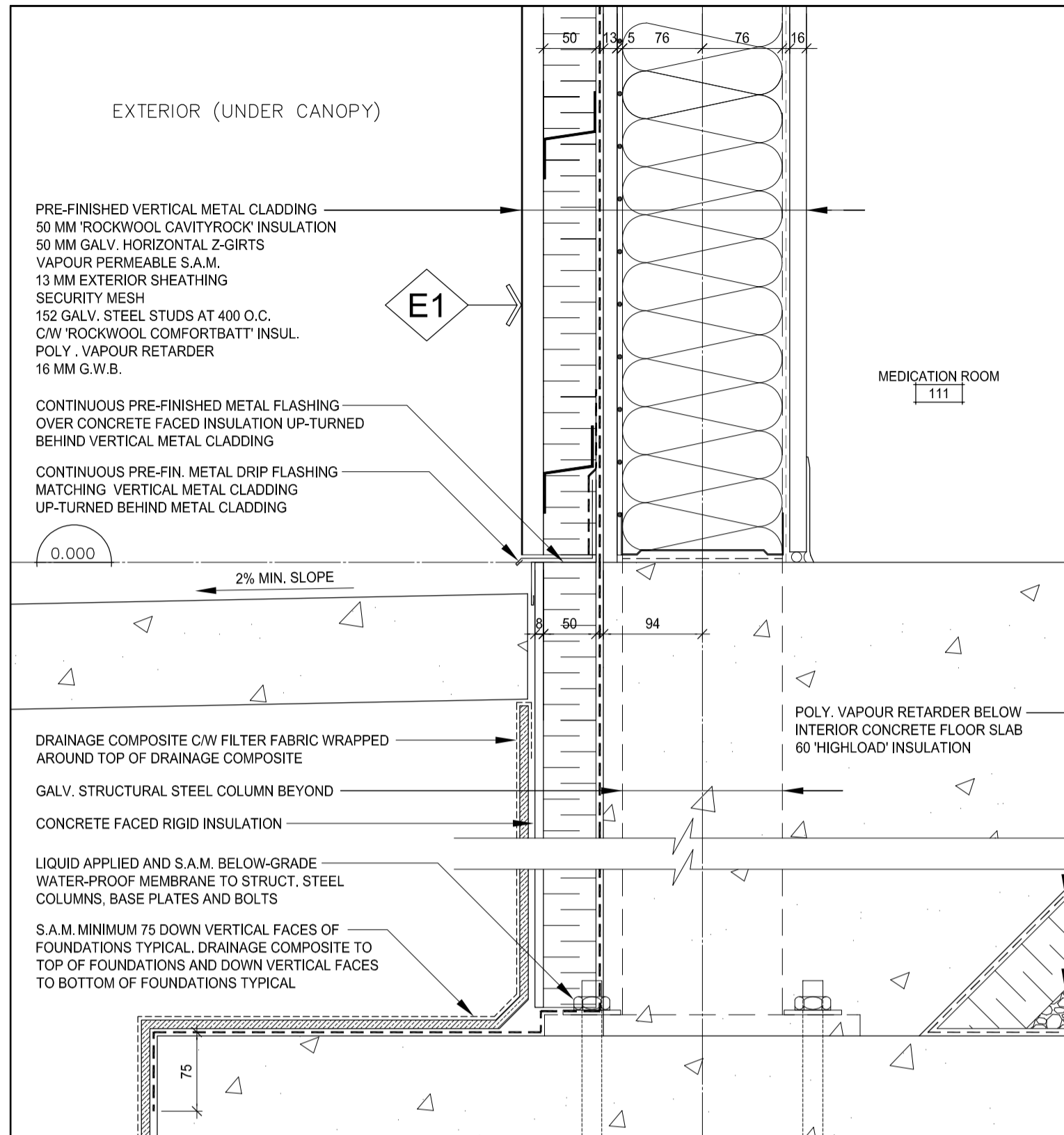
Drawing title/Titre du dessin

**WALL SECTIONS**

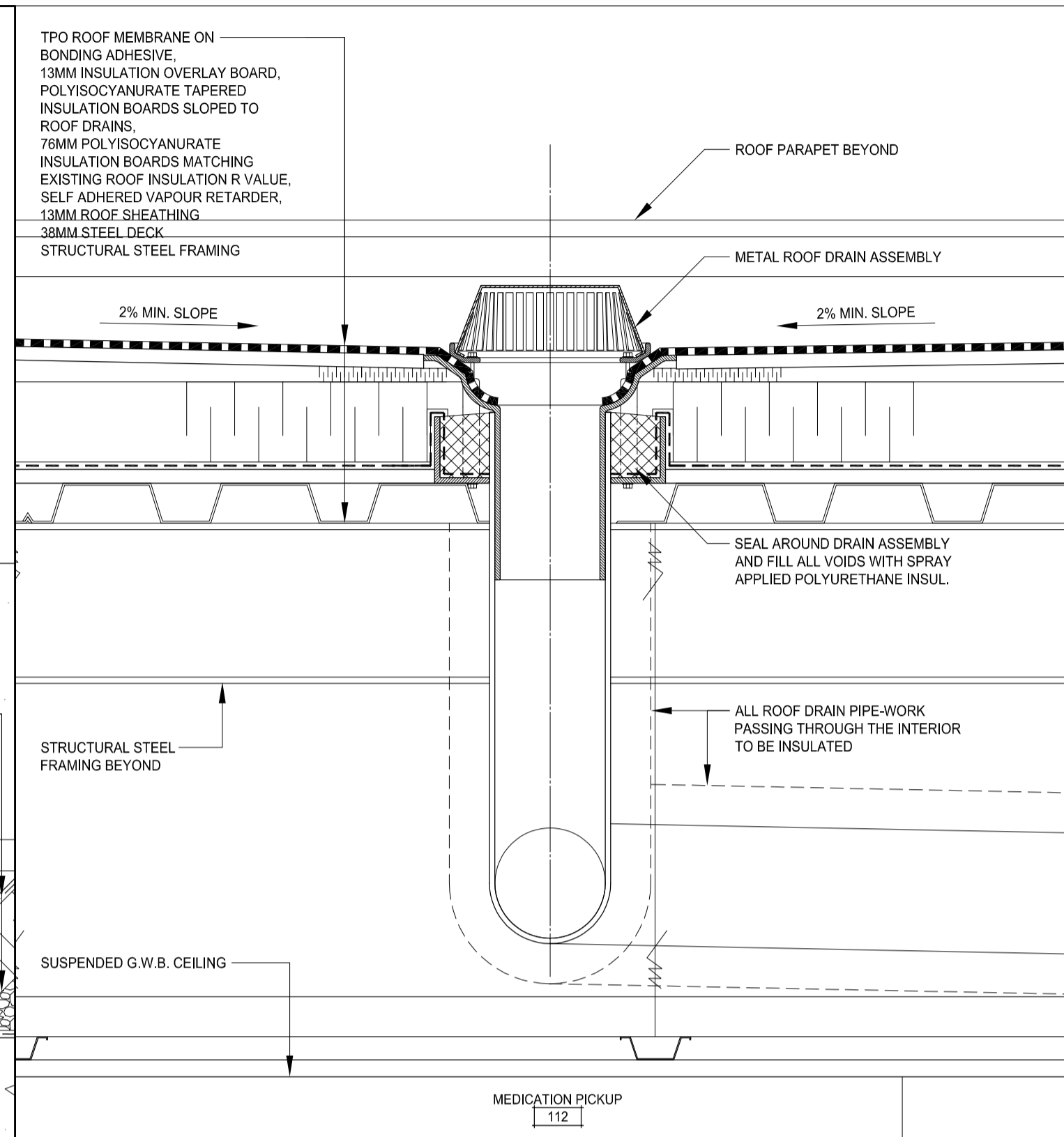
| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision no. |
|---------------------------|---------------|------------------------------|
| <b>R.089145.001</b>       | <b>A503</b>   | <b>5</b>                     |



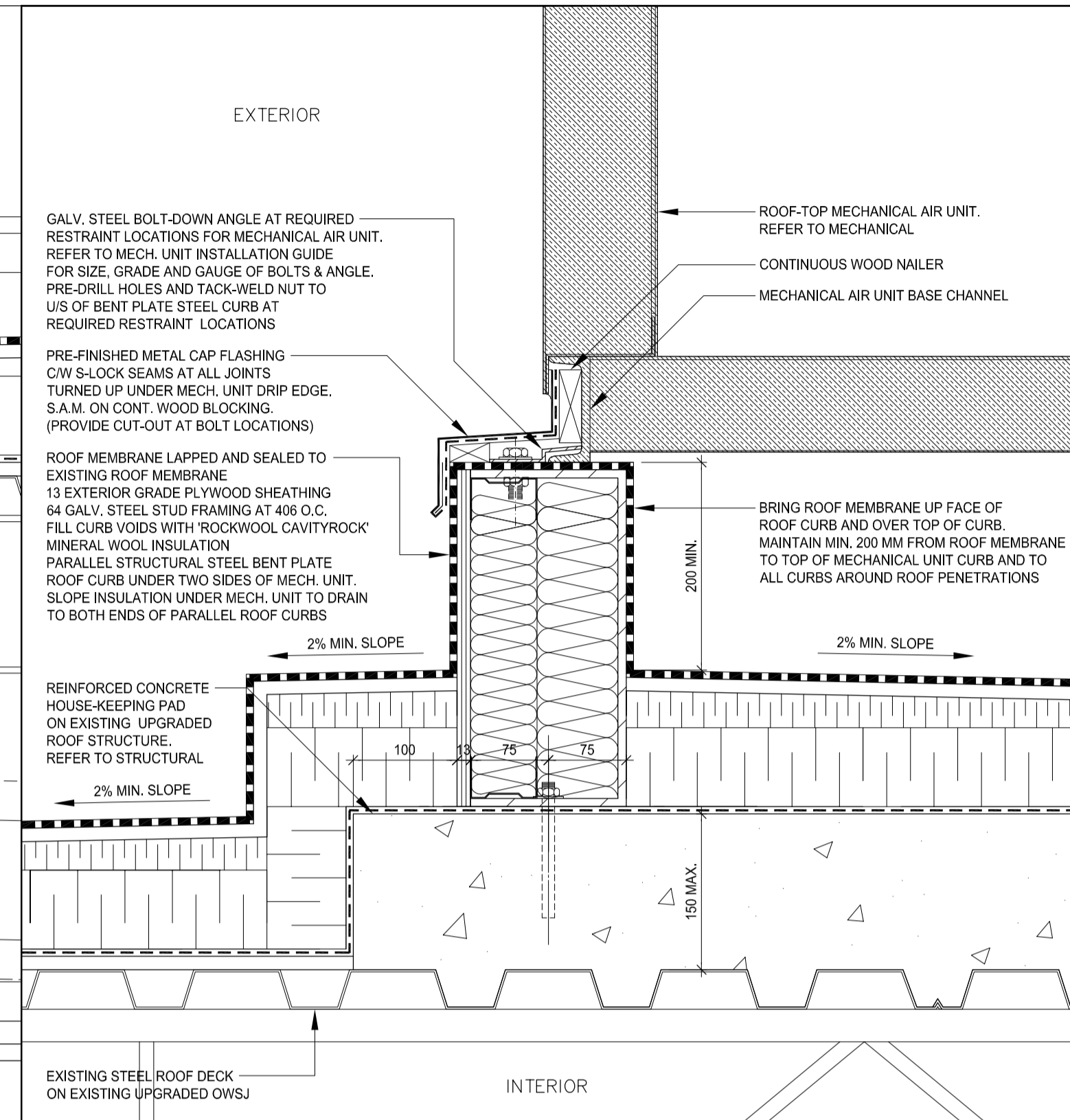




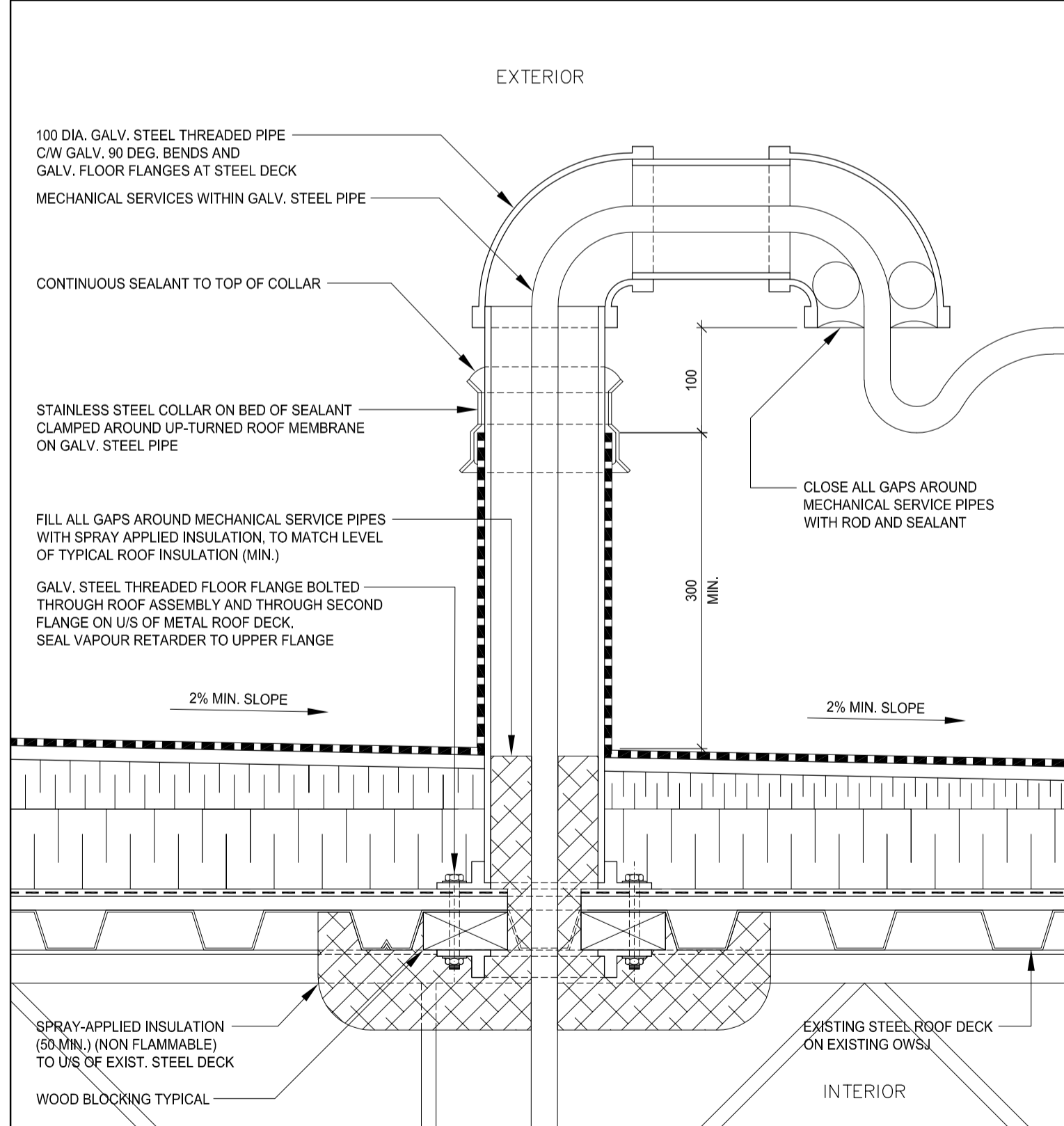
1 SECTION DETAIL - BASE OF NEW WALL UNDER CANOPY  
SCALE 1:5



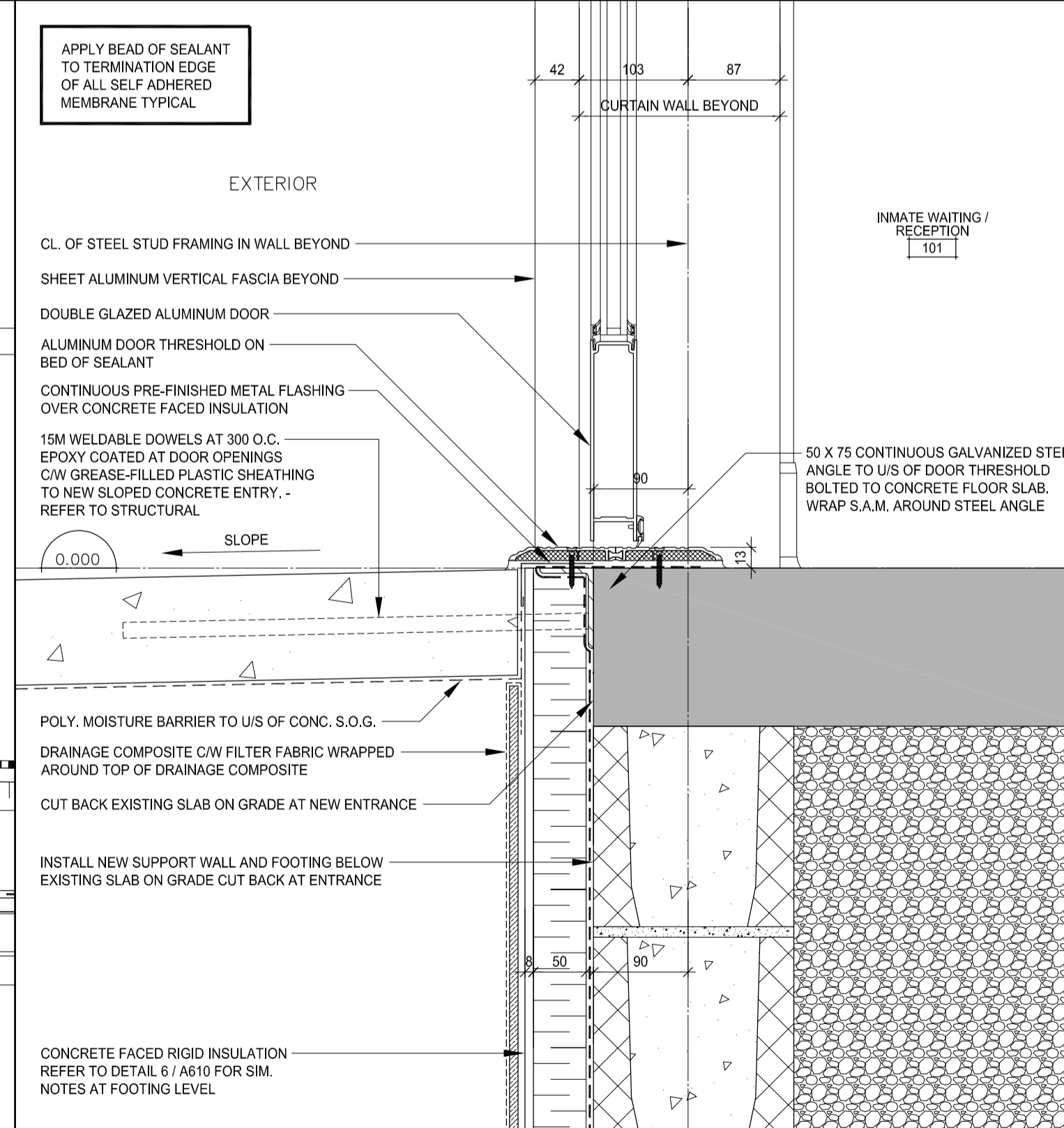
2 SECTION DETAIL - ROOF DRAIN ABOVE MEDICATION PICKUP  
SCALE 1:5



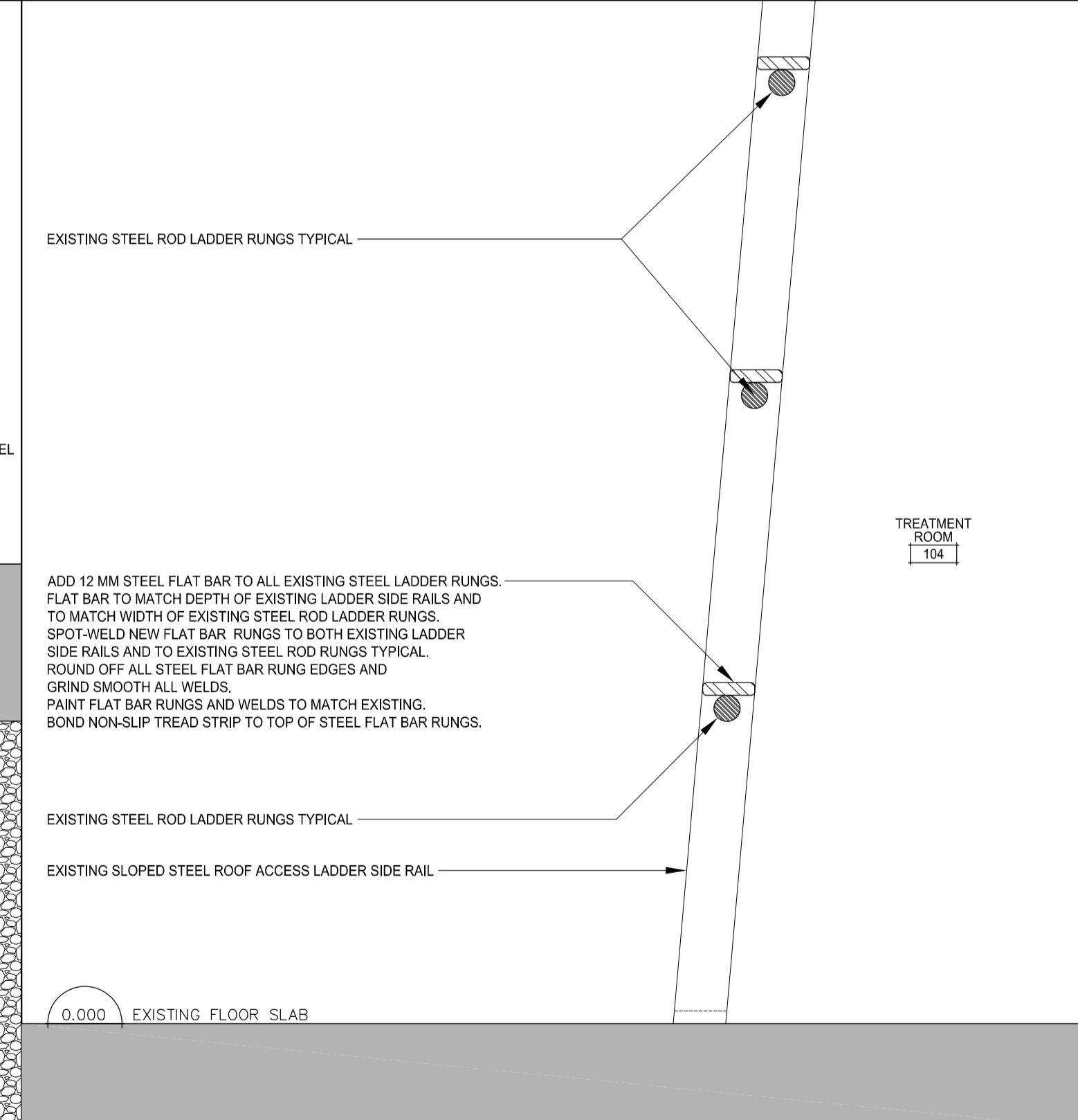
3 SECTION DETAIL - ROOF CURB AT MECHANICAL ROOF-TOP AIR UNIT  
SCALE 1:5



4 SECTION DETAIL - TYPICAL ROOF-TOP PIPE OR CABLE PENETRATION  
SCALE 1:5



5 SECTION DETAIL - NEW DOOR THRESHOLD AT EXISTING SLAB ON GRADE  
SCALE 1:5



6 SECTION DETAIL - MODIFIED EXISTING INTERIOR ROOF ACCESS LADDER  
SCALE 1:5

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Drawn by/Dessine par

PWSC Project Manager/Administrateur de Projets TPSCG  
CALVIN LU

Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSCG  
PREETIPAL PAUL

Drawing title/Titre du dessin

## EXTERIOR SECTION DETAILS SHEET 3

| Project No./No. du projet | Sheet/Feuille | Revision no./La Révision no. |
|---------------------------|---------------|------------------------------|
| R.089145.001              | A612          | 5                            |





## GENERAL

- THIS SET OF DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE STRUCTURAL SPECIFICATIONS AND WITH THE DRAWINGS AND SPECIFICATIONS FROM ALL OTHER CONSULTANTS. ANY DISCREPANCIES NOTED SHALL BE REPORTED IMMEDIATELY FOR CLARIFICATION.
- THIS SET OF DRAWINGS SHOWS THE COMPLETED STRUCTURE AND DOES NOT SHOW WORK WHICH MAY BE REQUIRED FOR SAFETY DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR GENERAL SAFETY ON AND ABOUT THE JOB SITE DURING THE CONSTRUCTION PERIOD AND FOR DESIGN AND ERECTION OF ALL FALSEWORK, SHORING, BRACING ETC. TO ENSURE THE SAFETY OF ALL CONSTRUCTION TEMPORARY LOADS AND TO COMPLETE THE WORK. ADHERE STRICTLY TO ALL REQUIREMENTS OF THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA. ALL TEMPORARY WORKS AND SHORING ETC. SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN BRITISH COLUMBIA.
- ALL CODE REFERENCES ARE TO LATEST EDITIONS AS REFERENCED IN THE NBC 2015.
- REFER TO SPECIFICATIONS FOR ALL MATERIAL SPECIFICATIONS AND CODE REFERENCES.

## FIELD REVIEW:

- DEPARTMENTAL REPRESENTATIVE THROUGH CWMM CONSULTING ENGINEERS PROVIDES PROVIDES FIELD REVIEW FOR THE WORK SHOWN ON THE STRUCTURAL DRAWINGS PREPARED BY CWMM CONSULTING ENGINEERS LTD. THIS REVIEW IS A PERIODIC REVIEW AT THE PROFESSIONAL JUDGMENT OF CWMM CONSULTING ENGINEERS LTD. THE PURPOSE IS TO ASCERTAIN THAT THE WORK IS IN GENERAL CONFORMANCE WITH THE PLANS AND SUPPORTING DOCUMENTS PREPARED BY CWMM CONSULTING ENGINEERS LTD. AND TO FULFILL THE REQUIREMENTS FOR THE COMPLETION OF LETTERS OF ASSURANCE REQUIRED BY THE APPLICABLE BUILDING CODE.
- ALL NON-CONFORMING WORKS THAT REQUIRE REMEDIAL ACTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY EXTRA TIME OR COST INCURRED TO PWGSC IN RECTIFYING THE WORK SHALL BE BORNE BY THE CONTRACTOR IN ACCORDANCE WITH THE CONTRACT.
- ENSURE THAT WORK TO BE INSPECTED IS COMPLETE AT THE TIME OF INSPECTION AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. ADDITIONAL INSPECTIONS REQUIRED DUE TO INCOMPLETE WORK OR POORLY EXECUTED WORK, AS JUDGED BY THE DEPARTMENTAL REPRESENTATIVE, AS WELL AS ADDITIONAL DESIGN OR REMEDIAL WORK CAUSED BY DEVIATIONS FROM THESE DRAWINGS, MAY BE CHARGED TO THE CONTRACTOR.
- A MINIMUM 48 HOURS NOTICE SHALL BE GIVEN TO THE DEPARTMENTAL REPRESENTATIVE BY THE CONTRACTOR FOR ANY INSPECTION TO BE CARRIED OUT.

## DESIGN LOADS:

- THIS STRUCTURE HAS BEEN DESIGNED FOR SNOW, WIND AND SEISMIC FORCES IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE NATIONAL BUILDING CODE OF CANADA 2015. IMPORTANT CATEGORY = NORMAL (AS PER OWNER'S REQUIREMENT)

GROUND SNOW: Ss = 2.4 kPa  
RAIN LOAD: Sr = 0.3 kPa

IMPORTANCE FACTORS FOR SNOW Is = 1.0 FOR STRENGTH  
Is = 0.9 FOR SERVICEABILITY

WIND LOAD: PROBABILITY 1/10 = 0.33 kPa  
PROBABILITY 1/50 = 0.43 kPa

IMPORTANCE FACTORS FOR WIND Iw = 1.0 FOR STRENGTH  
Iw = 0.75 FOR SERVICEABILITY

| Sa(0.2) | Sa(0.5) | Sa(1.0) | Sa(2.0) | PGA  | PGV   |
|---------|---------|---------|---------|------|-------|
| 0.638   | 0.544   | 0.324   | 0.201   | 0.28 | 0.415 |

I<sub>e</sub> = 1.0 FOR STRENGTH

I<sub>e</sub> = 1.0 FOR SERVICEABILITY

(CLAUSE 4.1.8.13 FOR SERVICEABILITY)

F<sub>(0.2)</sub> = 1.02 F<sub>(0.5)</sub> = 1.22

R<sub>d</sub> = 1.5 R<sub>o</sub> = 1.3

SITE CLASS D

- SPECIFIED UNIFORM SUPERIMPOSED DEAD LOADS ON ROOF AND FLOORS:

ROOF (PLUS BUILT-UP FRAMING WHERE REQUIRED) 0.75 kPa  
MAIN FLOOR 1.25 kPa  
EXTERIOR WALLS 0.5 kPa  
ACTUAL WEIGHT

- UPPER FLOORS AND MAIN FLOOR LOADS INCLUDE GENERAL PARTITION LOAD OF 1.0kPa AND NON-STRUCTURAL CONCRETE TOPPING. FOR MASONRY PARTITIONS, ACTUAL WEIGHTS SHALL BE USED.
- THESE LOADS DO NOT INCLUDE SELFWEIGHT OF STRUCTURE, WEIGHT OF MASONRY PARTITIONS, WEIGHTS OF MECHANICAL EQUIPMENT AND CONCRETE EQUIPMENT PADS.

- SPECIFIED UNIFORM LIVE LOADS ON ROOFS AND FLOORS:

ROOF 1.0 kPa  
MECHANICAL ROOF WITH ROOF TOP UNITS (AHU) 3.6 kPa  
MAIN FLOOR 4.8 kPa

- DESIGN SPECIFIED CONCENTRATED LIVE LOADS ON ROOF AND FLOORS:

ROOF 1.3 kN  
MAIN FLOOR/UPPER FLOOR 4.5 kN

- WORST CASE OF UNIFORM OR CONCENTRATED LIVE LOADS WILL BE USED FOR DESIGN OF STRUCTURAL MEMBERS.

## FOUNDATION AND SITE WORK

- REFER TO GEOTECHNICAL REPORT PREPARED BY GOLDER ASSOCIATES DATED AUGUST 24, 2018 AND ALL ITS SUPPLEMENTS AND AMENDMENTS FOR EXCAVATION, BACKFILLING, FILL MATERIALS, COMPACTION, FROST PROTECTION AND OTHER SITE PREPARATION REQUIREMENTS NOT SHOWN ON THESE DRAWINGS.
- DESIGN SOIL BEARING CAPACITIES:  
  
STRIP FOOTING SLS =100 kPa ULS =150 kPa  
PAD FOOTINGS SLS =100 kPa ULS =150 kPa  
SEISMIC ELEMENT FOOTING (UNDER FACTORED LOAD) 150 kPa
- ANY FOOTING ELEVATIONS INDICATED ON THE DRAWINGS ARE GENERAL AND SHALL BE USED FOR ESTIMATING AND BIDDING PURPOSES. FOOTINGS MAY HAVE TO BE PLACED AT DIFFERENT ELEVATIONS AS A RESULT OF LOCAL SOILS CONDITIONS, UNDERGROUND SERVICES AND TO ACCOMMODATE OTHER MECHANICAL AND ELECTRICAL SERVICES. FOLLOW TYPICAL DETAILS SHOWN ON THESE DRAWINGS FOR FOOTING PLACEMENT RELATIVE TO ADJACENT FOOTINGS, SUMP AND OTHER EXCAVATED STRUCTURES AND LOCATE AS DIRECTED BY GEOTECHNICAL ENGINEER.
- THE BASES OF FOUNDATIONS SHALL BE PROTECTED FROM RAIN, SNOW AND ANY WATER INFILTRATION.
- NO FOUNDATIONS MAY BE POURED BEFORE THE BEARING MATERIAL HAS BEEN INSPECTED.
- IMMEDIATELY AFTER INSPECTION AND APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE, PROVIDE A MINIMUM 150mm THICK OF 19mm MINUS CRUSHED SAND AND GRAVEL (ROAD MULCH) AS DIRECTED WHERE REQUIRED.
- COORDINATE CONSTRUCTION WITH UNDERSLAB SERVICES AS SHOWN ON MECHANICAL, ELECTRICAL, ARCHITECTURAL AND LANDSCAPING DRAWINGS.
- REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SITE DRAINAGE, GROUND ELEVATIONS AND DRAINAGE SLOPES.
- CENTRE ALL FOOTINGS UNDER COLUMNS OR WALLS UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING AND SEALING REQUIREMENTS.

## CONCRETE REINFORCING:

- REFER TO SPECIFICATIONS FOR CONCRETE STRENGTH, EXPOSURE CLASS & OTHER REQUIREMENTS.

- REINFORCING BARS f<sub>y</sub>=400 MPa. ALL DOWELS ANCHOR BOLTS AND INSERTS SHALL BE PLACED BEFORE THE CONCRETE IS POURED.

- PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT AS FOLLOWS:

CAST AGAINST EARTH 75mm  
EXPOSED TO EARTH OR WEATHER: 50mm  
ELSEWHERE: 40mm

- UNLESS NOTED OTHERWISE, PROVIDE MINIMUM SPLICE LENGTHS TO REINFORCEMENT AS FOLLOWS:

10M 450mm  
15M 600mm  
20M 750mm

## STRUCTURAL STEEL

- REFER TO SPECIFICATIONS FOR STEEL WORK, OPEN WEB STEEL JOISTS, STEEL DECK, DESIGN CODE REFERENCES AND OTHER REQUIREMENTS.

- GRADES OF MATERIALS:  
W SHAPES 350W OR ASTM A992 / A572 GRADE 50  
300W  
C SHAPES AND ANGLES 350W, CLASS C OR ASTM A500  
HOLLOW STRUCTURAL STEEL (HSS) ASTM A53, GRADE B  
STRUCTURAL PIPE  
OTHER STRUCTURAL STEEL AND MISC. METAL 300W  
BOLTS, NUTS AND WASHERS ASTM A325  
ANCHOR BOLTS ASTM A307  
STEEL DECKING CSSBI 101M, GRADE A  
STEEL STUD CSA - W59, APP. H

- DRAWINGS FROM ALL CONSULTANTS SHALL BE EXAMINED FOR EXACT LOCATIONS, DIMENSIONS AND ELEVATIONS.

- STEEL FABRICATORS AND CONTRACTOR SHALL CONFIRM ALL LOCATIONS, DIMENSIONS AND ELEVATIONS WITH ACTUAL SITE MEASUREMENTS BEFORE FABRICATION. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY FABRICATION AND WORK DONE PRIOR TO REVIEW AND APPROVAL OF THE SHOP DRAWINGS.

## ABBREVIATIONS

|        |                       |         |                        |
|--------|-----------------------|---------|------------------------|
| A.BOLT | ANCHOR BOLT           | L.V.    | LENGTH VARIES          |
| ALT.   | ALTERNATE             | LG.     | LONG                   |
| ARCH.  | ARCHITECTURAL         | LL      | LOW LEVEL              |
| BLDG.  | BUILDING              | LLV     | LONG LEG VERTICAL      |
| BOT.   | BOTTOM                | LLH     | LONG LEG HORIZONTAL    |
| BTW.   | BETWEEN               | LONG.   | LONGITUDINAL           |
| C/C    | CENTER TO CENTER      | MAX.    | MAXIMUM                |
| C/W    | COMPLETE WITH         | MECH.   | MECHANICAL             |
| C.I.P. | CAST IN PLACE         | MIN.    | MINIMUM                |
| CANT.  | CANTILEVER            | N/A     | NOT AVAILABLE          |
| CL.    | CLEAR                 | N.S.    | NEAR SIDE              |
| COL.   | COLUMN                | N.STUD  | NELSON STUD            |
| CONC.  | CONCRETE              | N.T.S.  | NOT TO SCALE           |
| CONT.  | CONTINUOUS            | O/C     | ON CENTRES             |
| DL     | DEAD LOAD             | OPP.    | OPPOSITE HAND          |
| DN     | DOWN                  | OWSJ    | OPEN WEB STEEL JOIST   |
| DO.    | DITTO                 | P.C.    | PRECAST CONCRETE       |
| DP.    | DEEP                  | PL      | PLATE                  |
| DWG.   | DRAWING               | PLY.    | PLYWOOD                |
| E.W.   | EACH WAY              | PROJ.   | PROJECTION             |
| E.F.   | EACH FACE             | P.T.    | PRESSURE TREATED       |
| ELEC.  | ELECTRICAL            | R/W     | REINFORCED WITH        |
| ELEV.  | ELEVATION             | R/C     | REINFORCED CONCRETE    |
| EXIST. | EXISTING              | S.O.G.  | SLAB ON GRADE          |
| EXT.   | EXTERIOR              | SIM.    | SIMILAR                |
| FL     | FLOOR                 | STAGG.  | STAGGERED              |
| F.S.   | FOOTING STEP          | T&B     | TOP AND BOTTOM         |
| FDN.   | FOUNDATION            | T&G     | TONGUED & GROOVED      |
| FTG.   | FOOTING               | T.O.C/S | TOP OF CONCRETE/STEEL  |
| G.L.   | GRID LINE             | THK.    | THICK                  |
| GALV.  | GALVANIZED            | TJ      | TIE JOIST              |
| H1E    | HOOK ONE END          | TRAN.   | TRANSVERSE             |
| H2E    | HOOK TWO ENDS         | TYP.    | TYPICAL                |
| HDG    | HOT DIPPED GALVANIZED | U/S     | UNDERSIDE              |
| HL     | HIGH LEVEL            | U.N.O.  | UNLESS NOTED OTHERWISE |
| HORIZ. | HORIZONTAL            | VERT.   | VERTICAL               |
| INT.   | INTERIOR              |         |                        |

| DRAWING LIST (STRUCTURAL) |  |
|---------------------------|--|
| S101                      | GENERAL NOTES                          |
| S102                      | TYPICAL DETAILS                        |
| S201                      | PARTIAL GROUND FLOOR & FOUNDATION PLAN |
| S202                      | PARTIAL ROOF PLAN                      |

| Revision/Revision | Description/Description   | Date/Date    |
|-------------------|---------------------------|--------------|
| 4                 | ISSUED FOR TENDER         | NOV 15 2018  |
| 3                 | ISSUED FOR 99% SUBMISSION | AUG 27 2018  |
| 2                 | ISSUED FOR 66% SUBMISSION | JUNE 28 2018 |
| 1                 | ISSUED FOR 50% SUBMISSION | MAY 25 2018  |

Client/client

**CORRECTIONAL SERVICE CANADA (CSC)**

Project title/Titre du projet  
**33737 DEWDNEY TRUNK ROAD MISSION, B.C.**

**MINIMUM INSTITUTION EXPANSION OF HEALTH CARE**

Consultant Signature Only

Designed by/Concept par

L.LAM

Drawn by/Dessiné par

BM

PWGSC Project Manager/Administrateur de Projets TPSGC

TONY TANG

Regional Manager, Architectural and Engineering Services

Gestionnaire régionale, Services d'architecture et de génie, TPSGC

PREETIPAL FAUL

Drawing title/Titre du dessin

GENERAL NOTES

Project No./No. du projet

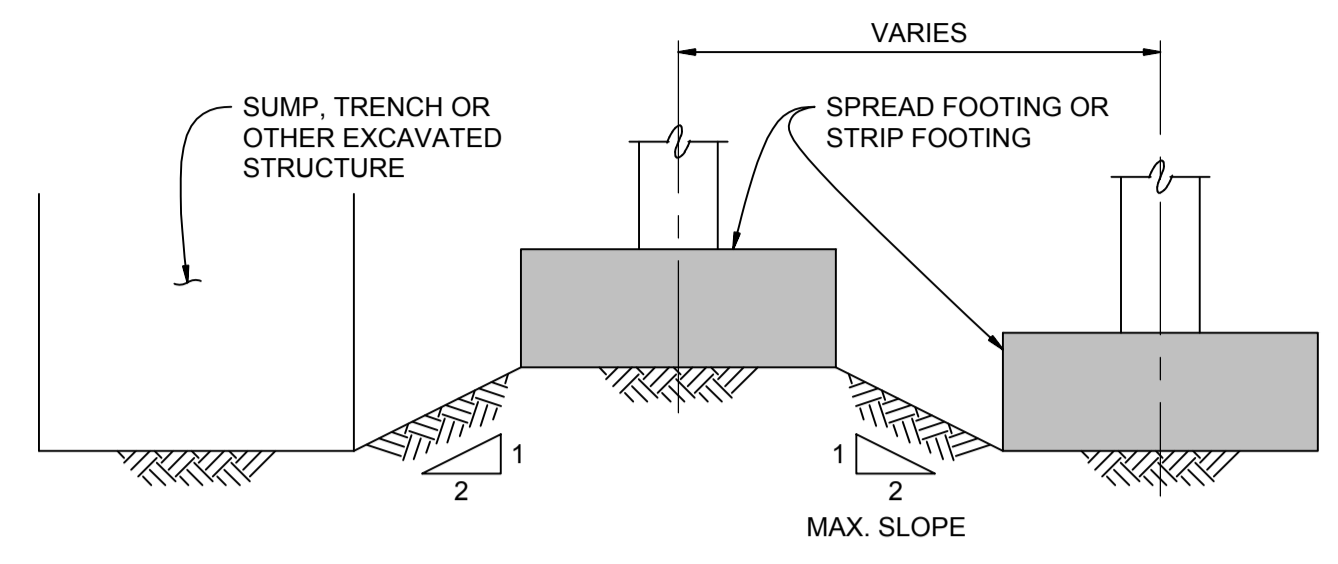
R.089145.001

Sheet/Feuille

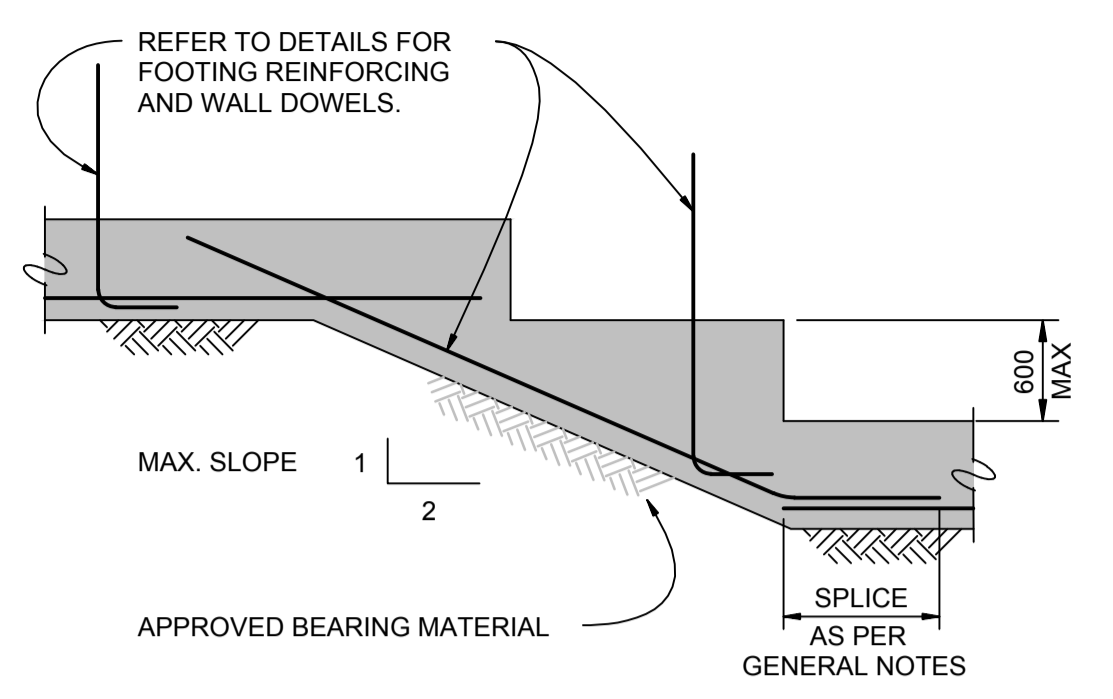
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Revision no./La Révision no.

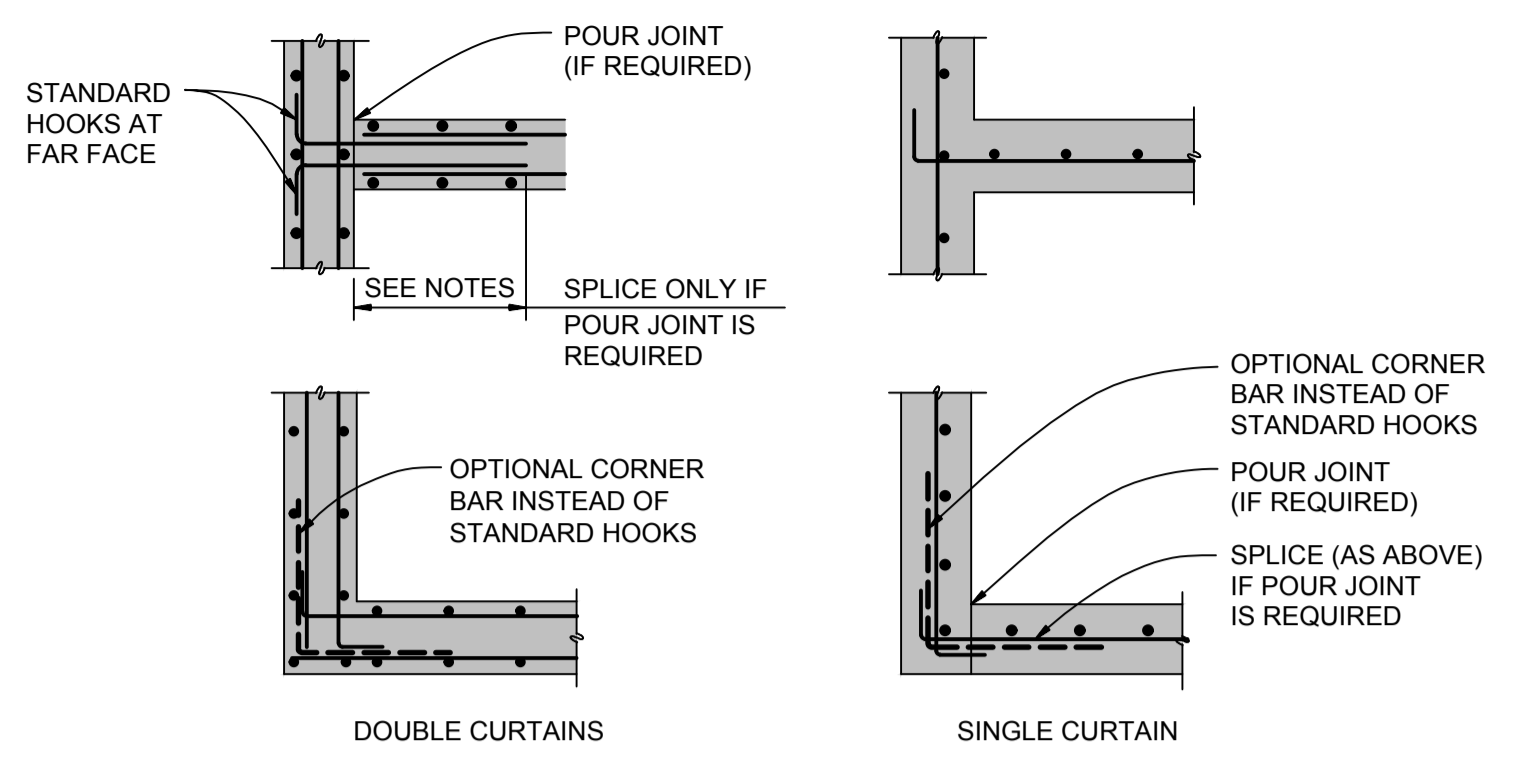
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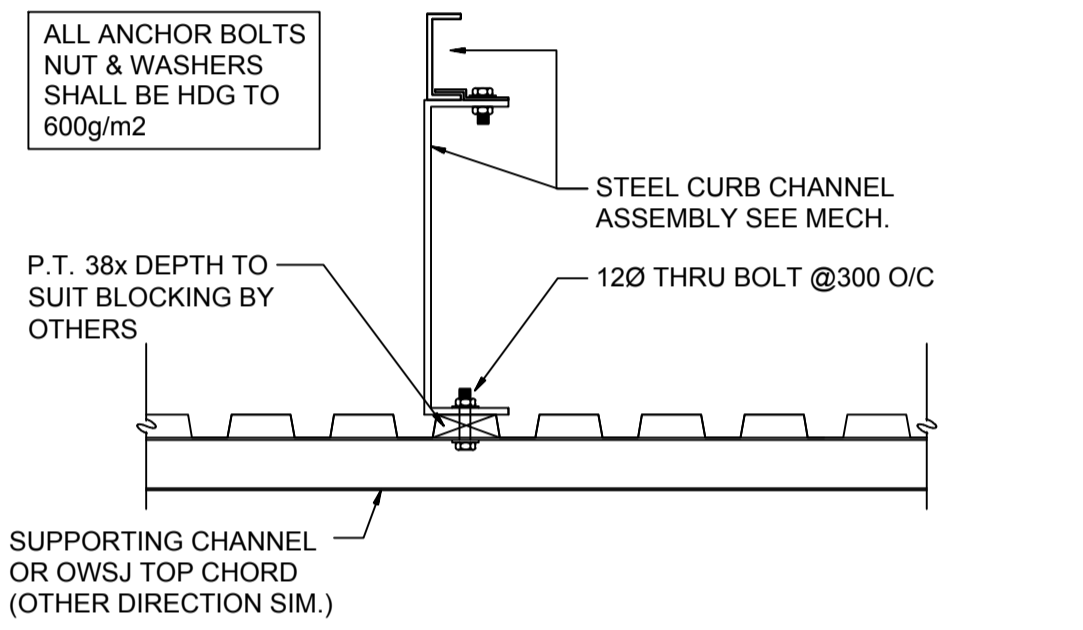
RELATIVE ELEVATIONS OF ADJACENT FOOTING



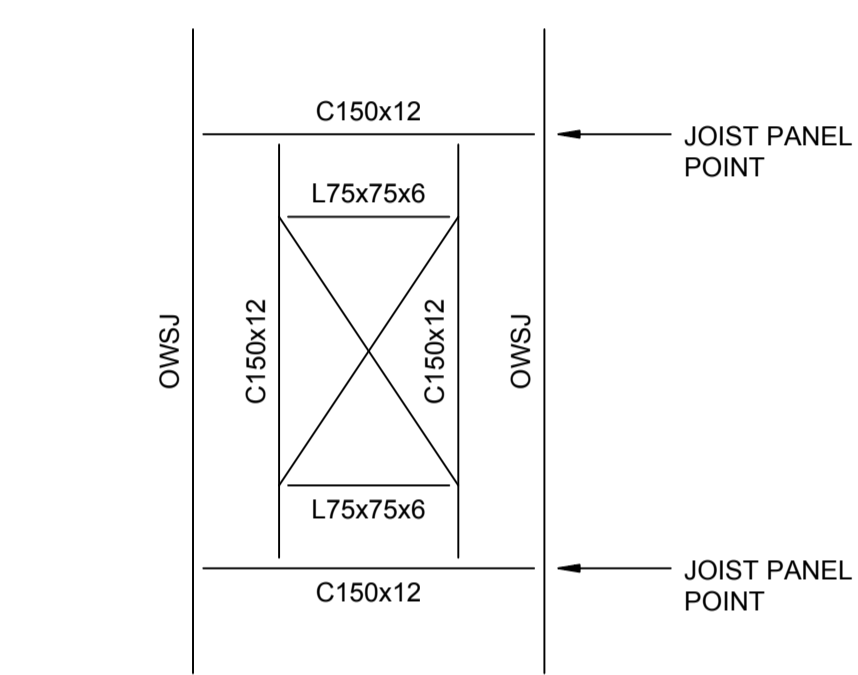
STEPPED STRIP FOOTING



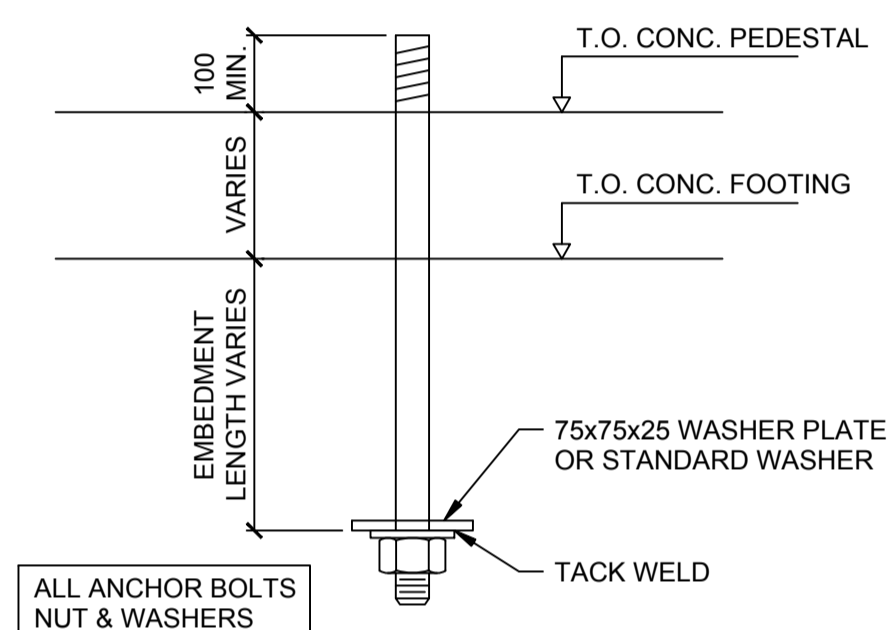
TYPICAL WALL INTERSECTION PLAN DETAILS  
DETAILS FOR SINGLE AND DOUBLE CURTAINS ARE SIMILAR



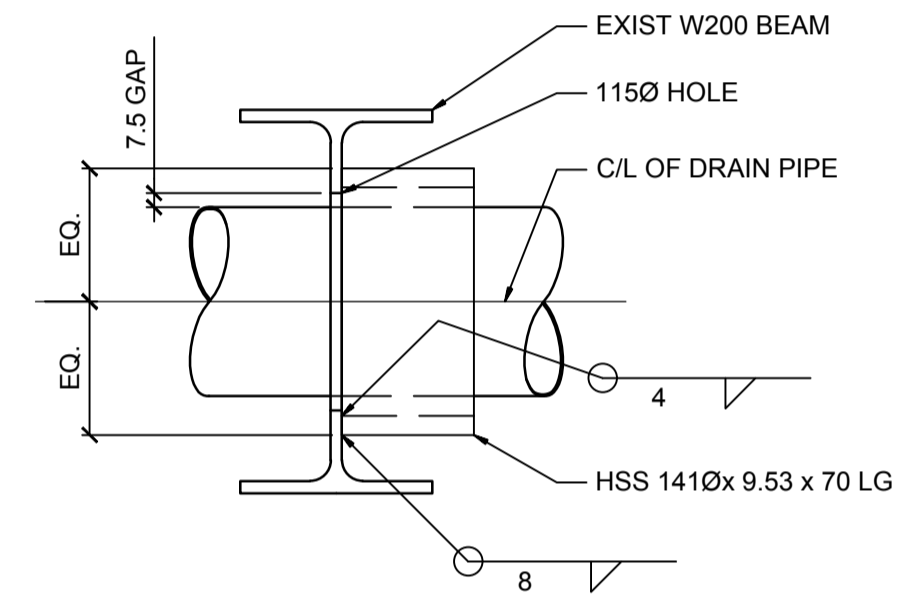
TYPICAL MECHANICAL CURB ON ROOF DECK



DECK OPENINGS > 450 SQUARE  
SIZE OF OPENING TO BE REVIEWED & CONFIRMED ON SITE AND CUSTOMIZED PRIOR TO FABRICATION, SEE DWG. S202 FOR DETAILS



TYPICAL ANCHOR BOLT DETAIL



STEEL BEAM REINFORCING DETAIL

| Revision/Revision | Description/Description   | Date/Date    |
|-------------------|---------------------------|--------------|
| 4                 | ISSUED FOR TENDER         | NOV 15 2018  |
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| 1                 | ISSUED FOR 50% SUBMISSION | MAY 25 2018  |

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Consultant Signature Only

Designed by/Concept par  
L.LAM

Drawn by/Dessiné par  
BM

PWGSC Project Manager/Administrateur de Projets TPSGC  
TONY TANG

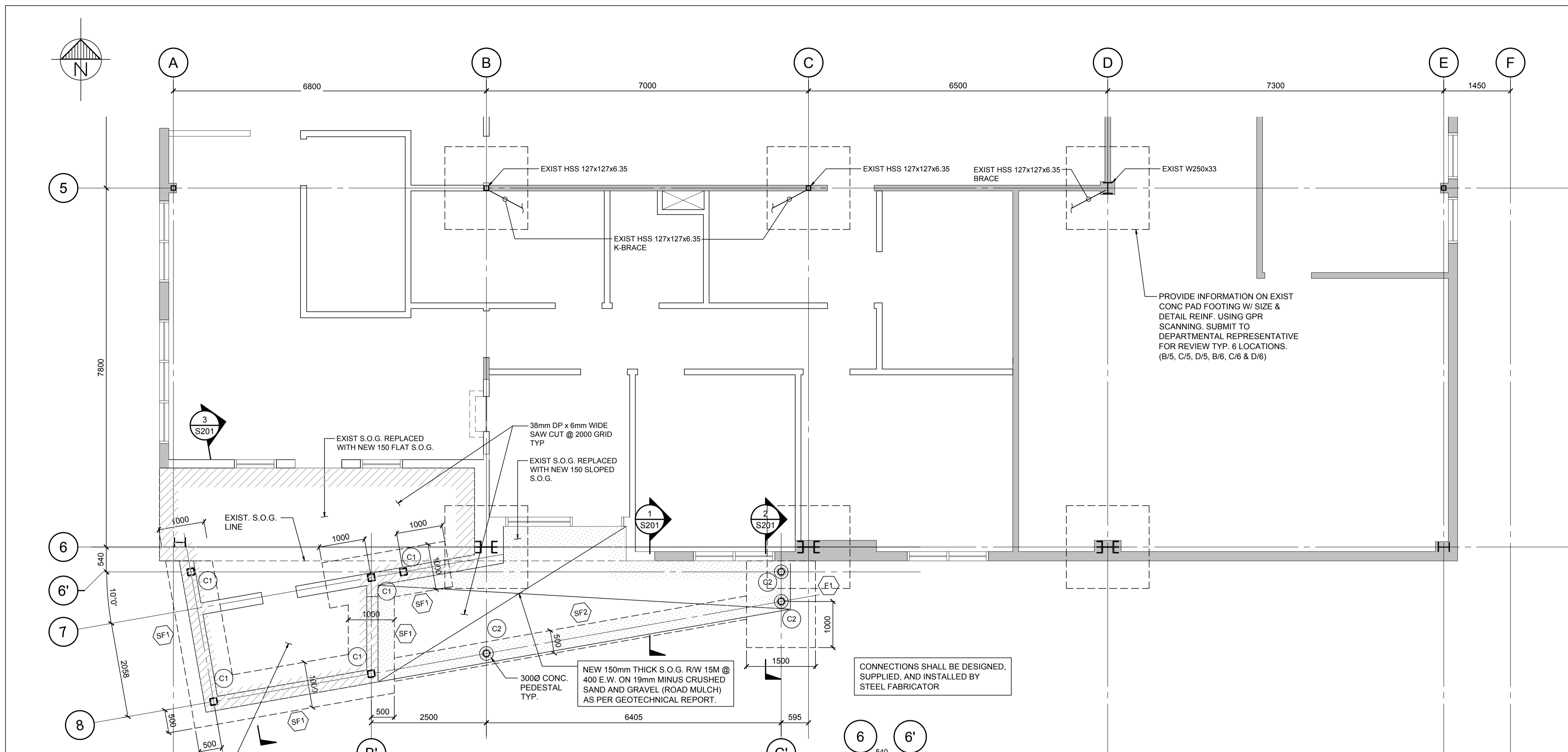
Regional Manager, Architectural and Engineering Services  
Gestionnaire régionale, Services d'architecture et de génie, TPSGC  
PREETIPAL FAUL

Drawing title/Titre du dessin

TYPICAL DETAILS

| Project No./No. du projet | Sheet/Fauille | Revision no./La Révision no. |
|---------------------------|---------------|------------------------------|
| R.089145.001              | S102          | 4                            |





PROVIDE INFORMATION ON EXIST CONC PAD FOOTING W/ SIZE & DETAIL REINF. USING GPR SCANNING. SUBMIT TO DEPARTMENTAL REPRESENTATIVE FOR REVIEW TYP. 6 LOCATIONS. (B/5, C/5, D/5, B/6, C/6 & D/6)

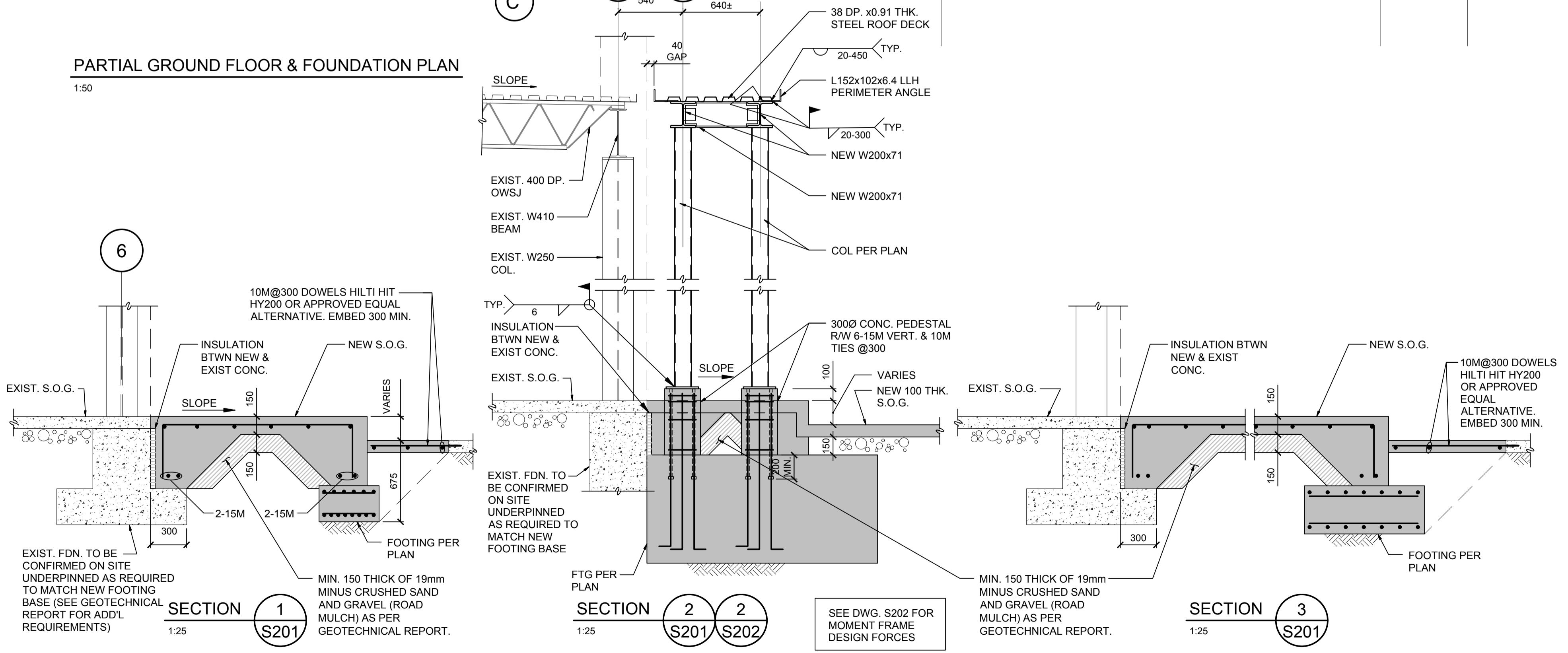
CONNECTIONS SHALL BE DESIGNED, SUPPLIED, AND INSTALLED BY STEEL FABRICATOR

NEW 150mm THICK S.O.G. R/W 15M @ 400 E.W. ON 10 mil POLY VAPOUR BARRIER ON 19mm MINUS CRUSHED SAND AND GRAVEL (ROAD MULCH) AS PER GEOTECHNICAL REPORT TYP U.N.O.

PARTIAL GROUND FLOOR & FOUNDATION PLAN 1:50

| COLUMN SCHEDULE |                              |   |        |
|-----------------|------------------------------|---|--------|
| COLUMN TYPE     | COLUMN SIZE                  | BASE PLATE (THK. x W x L)   | REMARK |
| C1              | HSS 152x152x13               | PL20x 300x300 BASE PL. BEARING ON TOP OF FTG. C/W 4-20Ø A325 ANCHOR BOLTS PRETENSION PER S16 EMBED 325 INTO FOOTING |        |
| C2              | HSS 141Ø x13 W/ ARCH. FINISH | PL20x 270Ø BASE PL. C/W 6-20Ø A325 NELSON STUDS EMBED 200 INTO FOOTING  |        |

| FOOTING SCHEDULE |                     |   |
|------------------|---------------------|---|
| FOOTING TYPE     | FOOTING SIZE        | REINFORCING   |
| F1               | 1500 WIDE x900 DEEP | TOP: 14-15M LONG. + 10M @300 TRAN. BOTTOM: 14-15M LONG + 10M @300 TRAN. |
| SF1              | 1000 WIDE x400 DEEP | 15M@150 LONG. T&B 10M @ 300 TRAN T&B                                    |
| SF2              | 500 WIDE x300 DEEP  | TOP: 6-15M LONG. + 10M @300 TRAN. BOTTOM: 8-15M LONG + 10M @300 TRAN.   |



SEE DWG. S202 FOR MOMENT FRAME DESIGN FORCES

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PWSC Project Manager/Administrateur de Projets TPSGC TONY TANG  
Regional Manager, Architectural and Engineering Services / Gestionnaire régionale, Services d'architectural et de génie, TPSGC PREETIPAL PAUL

PARTIAL GROUND FLOOR & FOUNDATION PLAN

|   |                       |                                   |
|---|-----------------------|-----------------------------------|
| Project No./No. du projet<br>R.089145.001 | Sheet/Fauille<br>S201 | Revision no./La Révision no.<br>4 |
|---|-----------------------|-----------------------------------|

