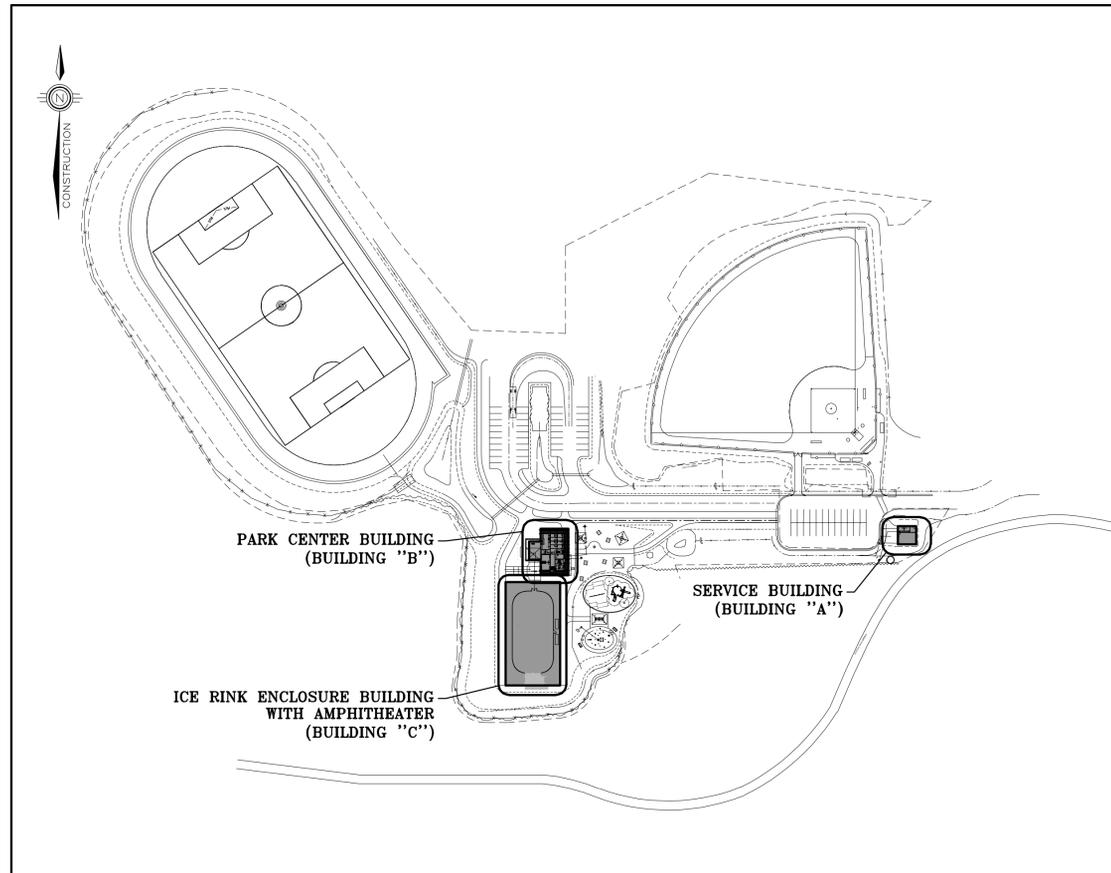


KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS

TOBIQUE FIRST NATION, NB

STRUCTURAL / FOUNDATION



STRUCTURAL/FOUNDATION DRAWINGS

SERVICE BUILDING (BUILDING "A")

DRAWING No.	DRAWING TITLE	REVISION
F1A	PLAN VIEW & SECTIONS	ISSUED FOR TENDER 2022/05/30
F2A	SECTIONS & DETAILS	ISSUED FOR TENDER 2022/05/30
F3A	TYPICAL DETAILS	ISSUED FOR TENDER 2022/05/30
S1A	PLAN VIEWS	ISSUED FOR TENDER 2022/05/30
S2A	SECTIONS & DETAILS	ISSUED FOR TENDER 2022/05/30

PARK CENTER BUILDING (BUILDING "B")

DRAWING No.	DRAWING TITLE	REVISION
F1B	FOUNDATION PLAN	ISSUED FOR TENDER 2022/05/30
F2B	SECTIONS & DETAILS	ISSUED FOR TENDER 2022/05/30
F3B	SECTIONS & DETAILS	ISSUED FOR TENDER 2022/05/30
F4B	SECTIONS & TYPICAL DETAILS	ISSUED FOR TENDER 2022/05/30
S1B	PLAN VIEW & SCHEDULES	ISSUED FOR TENDER 2022/05/30
S2B	ROOF PLAN & SECTIONS	ISSUED FOR TENDER 2022/05/30
S3B	SECTIONS & DETAILS	ISSUED FOR TENDER 2022/05/30
S4B	DETAILS	ISSUED FOR TENDER 2022/05/30

ICE RINK ENCLOSURE BUILDING WITH AMPHITHEATER (BUILDING "C")

DRAWING No.	DRAWING TITLE	REVISION
F1C	FOUNDATION PLAN VIEW & DETAIL	ISSUED FOR TENDER 2022/05/30
F2C	SECTIONS & DETAILS	ISSUED FOR TENDER 2022/05/30
F3C	PLAN VIEW & SECTIONS	ISSUED FOR TENDER 2022/05/30
S1C	PLAN VIEWS & DETAILS	ISSUED FOR TENDER 2022/05/30
S2C	SECTIONS	ISSUED FOR TENDER 2022/05/30

N°	DESCRIPTION	BY	DATE
0	ISSUED TENDER	RV	2022-05-30
A	ISSUED FOR 50% REVIEW	KH	2021-06-18

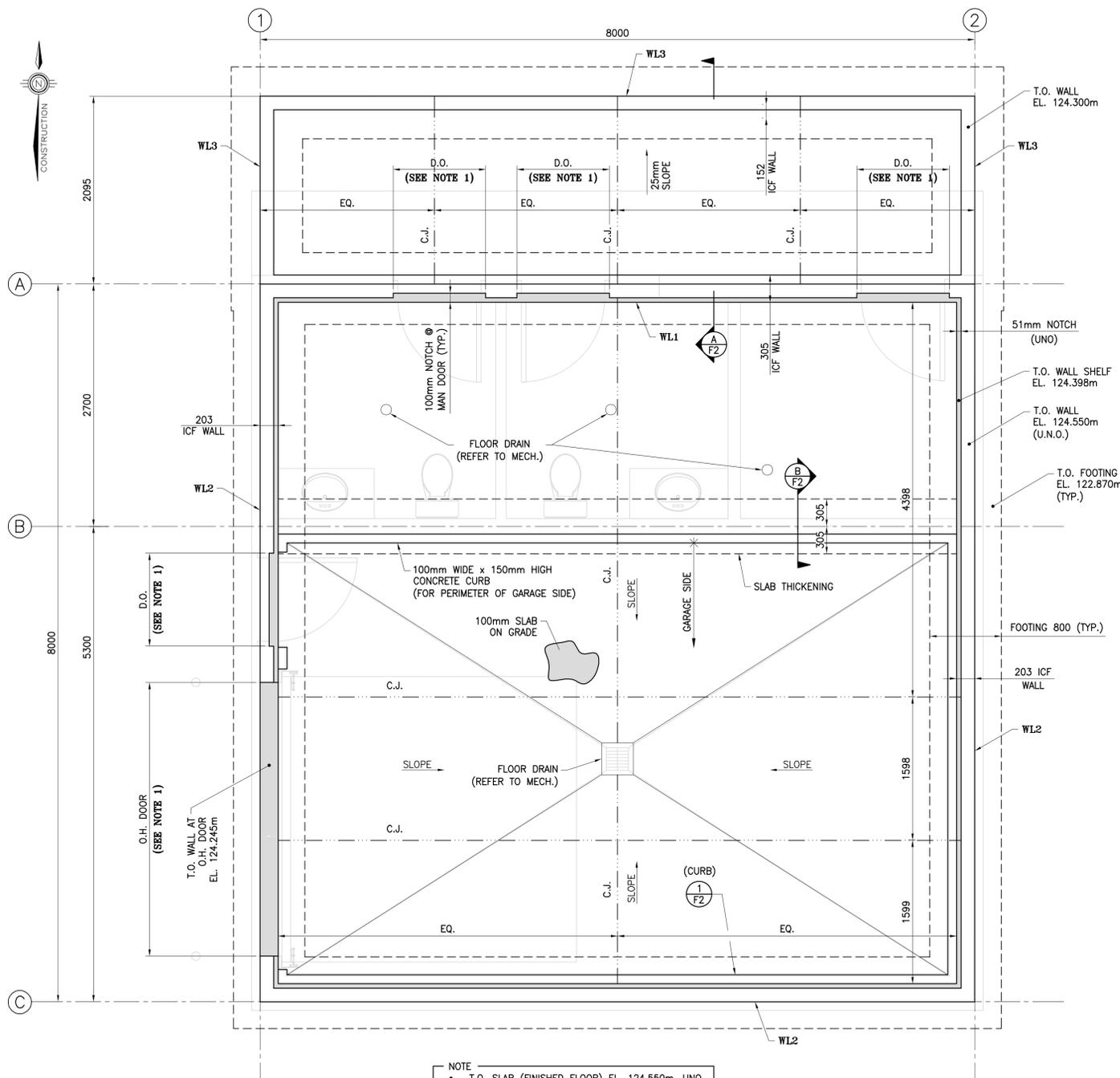
- GENERAL NOTES :
1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE TO ENSURE CONFORMITY WITH THE DIMENSIONS GIVEN ON THE DRAWINGS.
 2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO IMMEDIATELY SUBMIT A REPORT TO THE ARCHITECT OR ENGINEER WITH ANY VARIANCES.
 3. THE GENERAL CONTRACTOR SHOULD NOT TAKE SCALED MEASUREMENTS OFF THE DRAWINGS.
 4. ANY INDIVIDUAL OR FIRM THAT HAVE RECEIVED ELECTRONIC DOCUMENT USE THEM AT THEIR OWN RISK. ONLY ORIGINAL DRAWINGS, STAMPED BY THE ARCHITECT OR ENGINEER, CAN BE USED FOR CONSTRUCTION.

PROJECT:
 KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS
 TOBIQUE FIRST NATION, NB

DRAWING TITLE:
 STRUCTURAL / FOUNDATION
 -TITLE PAGE-

DESIGN: -- APPROVED: --
 DRAWN: R. COULTURE DATE: JUNE 2021
 VERIFIED: M. BOUDREAU SCALE: AS SHOWN

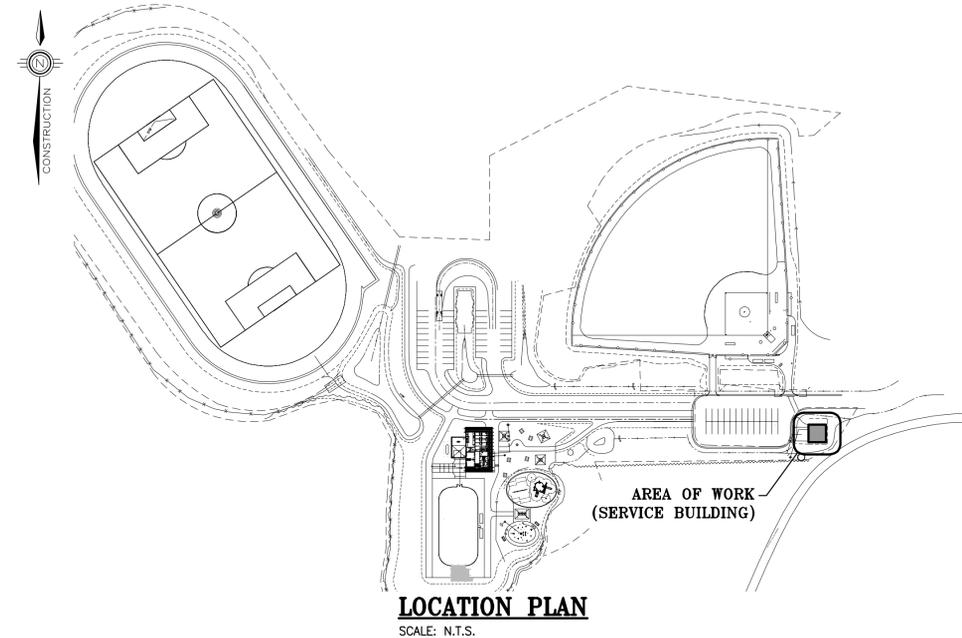
PROJECT N°: 9223-18-00 DRAWING N°: TP1



NOTE

- T.O. SLAB (FINISHED FLOOR) EL. 124.550m, UNO.
- T.O. SLAB @ FLOOR DRAIN EL. 124.515m.

PLAN VIEW - FOUNDATION
SCALE: 1:30



LOCATION PLAN
SCALE: N.T.S.

LEGEND

- D.O. = INDICATES DOOR OPENING (COORDINATE SIZE AND LOCATION WITH ARCH.)
- WL1 = INDICATES FOUNDATION WALL TYPE 'WL1' (REFER TO DRAWING F2 FOR FOUNDATION WALL DETAILS)
- H.P. = HIGH POINT
- L.P. = LOW POINT
- D.O. = DOOR OPENING
- T.O. = TOP OF
- N.I.C. = NOT IN CONTRACT
- C.J. = CONTROL JOINT
- E.W. = EACH WAY
- T.&B. = TOP AND BOTTOM
- U.N.O. = UNLESS NOTED OTHERWISE
- c/w = COMPLETE WITH
- = CONTROL JOINT (SEE SLAB ON GRADE DETAIL)

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING, AND THE REMOVAL OF ALL EXISTING MATERIALS AND INSTALLATIONS NECESSARY FOR THE EXECUTION OF THE WORK DESCRIBED BELOW OR SHOWN ON THESE STRUCTURAL DRAWINGS. ALL REMOVED MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION, UNLESS INDICATED OTHERWISE BY OWNER AND/OR TENANT.
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- ALL WORK SHALL BE PERFORMED AND COMPLETED TO THE STANDARDS OF MATERIALS AND WORKMANSHIP AS PER THE NATIONAL BUILDING CODE OF CANADA (NBC), 2015, INCLUDING ALL CORRECTIONS AND REVISIONS TO DATE. ALL WORK AND INSTALLATIONS SHALL ALSO COMPLY TO APPLICABLE MUNICIPAL AND PROVINCIAL REGULATIONS. IN THE ABSENCE OF SPECIFIC REQUIREMENTS IN THE ABOVE, WORK SHALL CONFORM TO SOUND BUILDING PRACTICE AND QUALITY WORKMANSHIP.
- THESE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL SPECIFICATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENING DIMENSIONS AND LOCATIONS.
- SEE MECH. FOR LOCATION OF REQUIRED SLEEVES THROUGH FOUNDATION WALL. OPENING SHALL BE 150mmØ OR LESS (UNLESS APPROVED BY CONSULTANT) AND SHOULD NOT INTERRUPT REINFORCEMENT BARS.
- TYPICAL STEEL REINFORCEMENT COVER TO BE 40mm U.N.O.
- REFERENCE ELEVATION AS PER CIVIL AND LANDSCAPE ARCH. (BDA). IF DIFFER FROM BUILDING ARCH. (EVOQ) BY 114.550 m:
T.O. SLAB ON FOUNDATION DWG. = 124.550 m
T.O. SLAB ON ARCH. DWG. = 10.000 m

SPECIFIC NOTE

1. EXACT LOCATIONS OF DOORS AND FOUNDATION NOTCHING ARE TO BE COORDINATED WITH ARCHITECTURAL. REFER TO TYP. SECTION AT OVERHEAD DOOR AND TYP. DETAIL AT MAN DOORS ON DWG. F3.

N°	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	KH	2021-06-18

GENERAL NOTES:

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3. THE GENERAL CONTRACTOR SHOULD NOT TAKE SCALED MEASUREMENTS OFF THE DRAWINGS.
4. ANY INDIVIDUAL OR FIRM THAT HAVE RECEIVED ELECTRONIC DOCUMENT USE THEM AT THEIR OWN RISK. ONLY ORIGINAL DRAWINGS, STAMPED BY THE ARCHITECT OR ENGINEER, CAN BE USED FOR CONSTRUCTION.

PROJECT: **KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB**

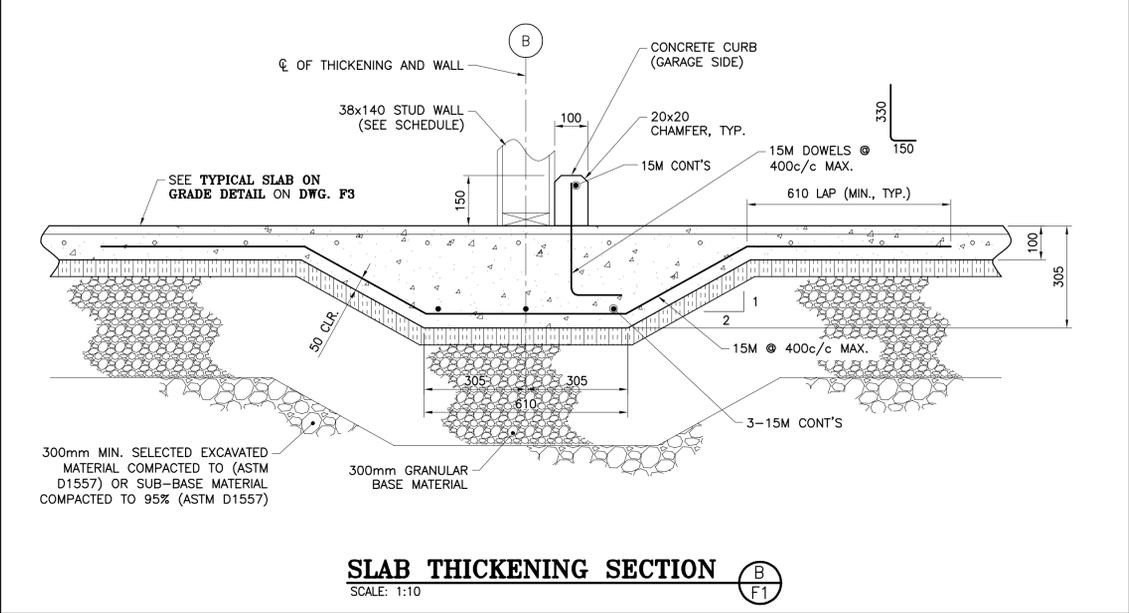
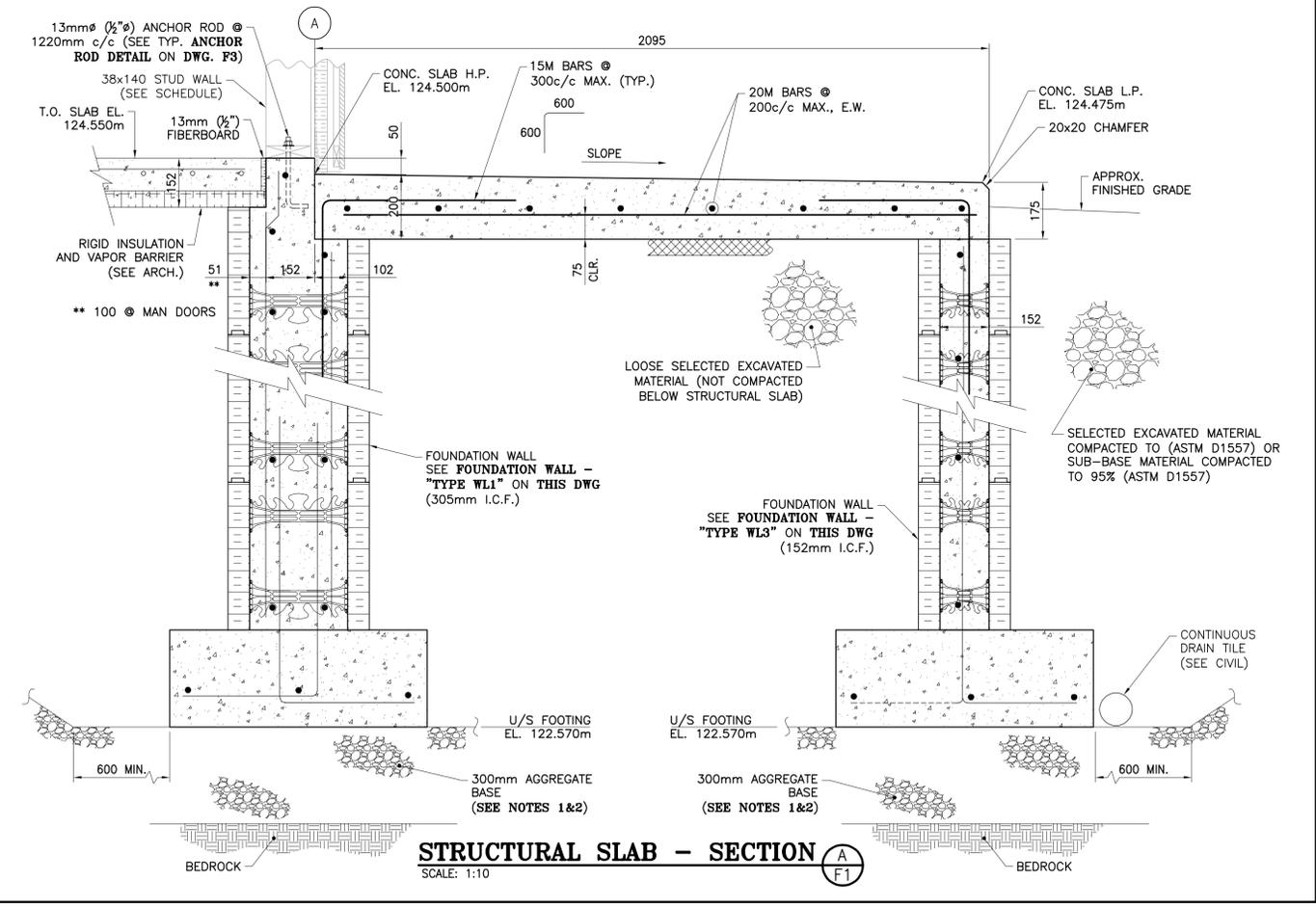
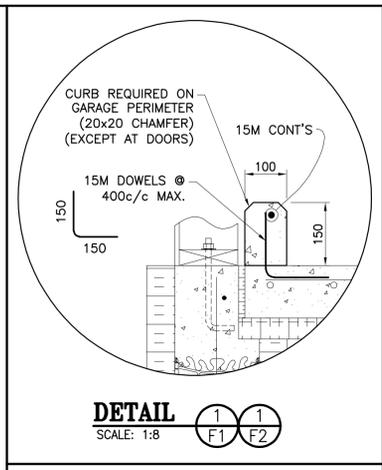
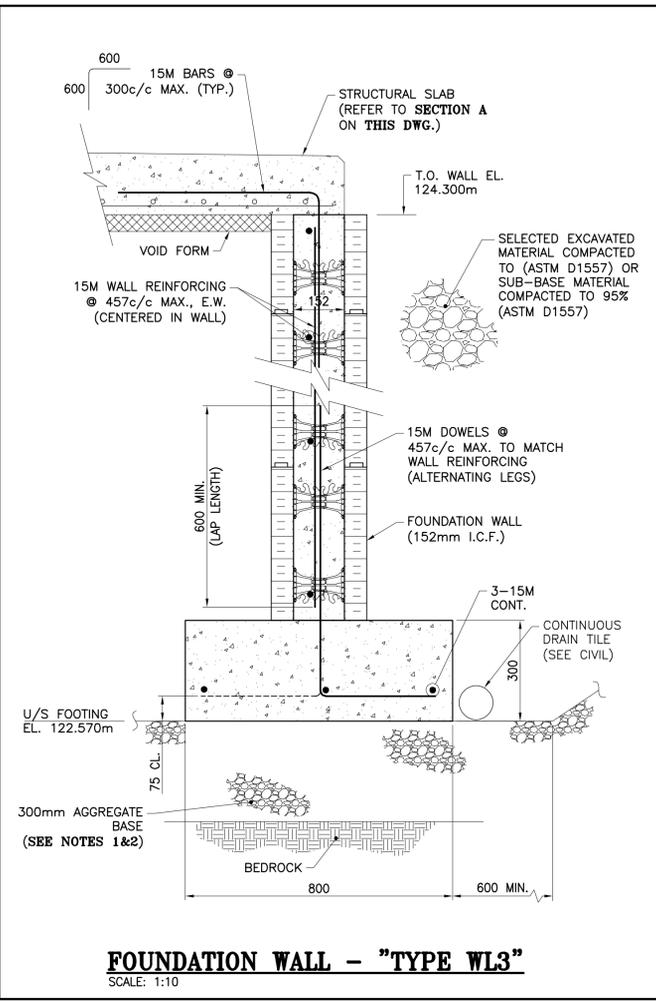
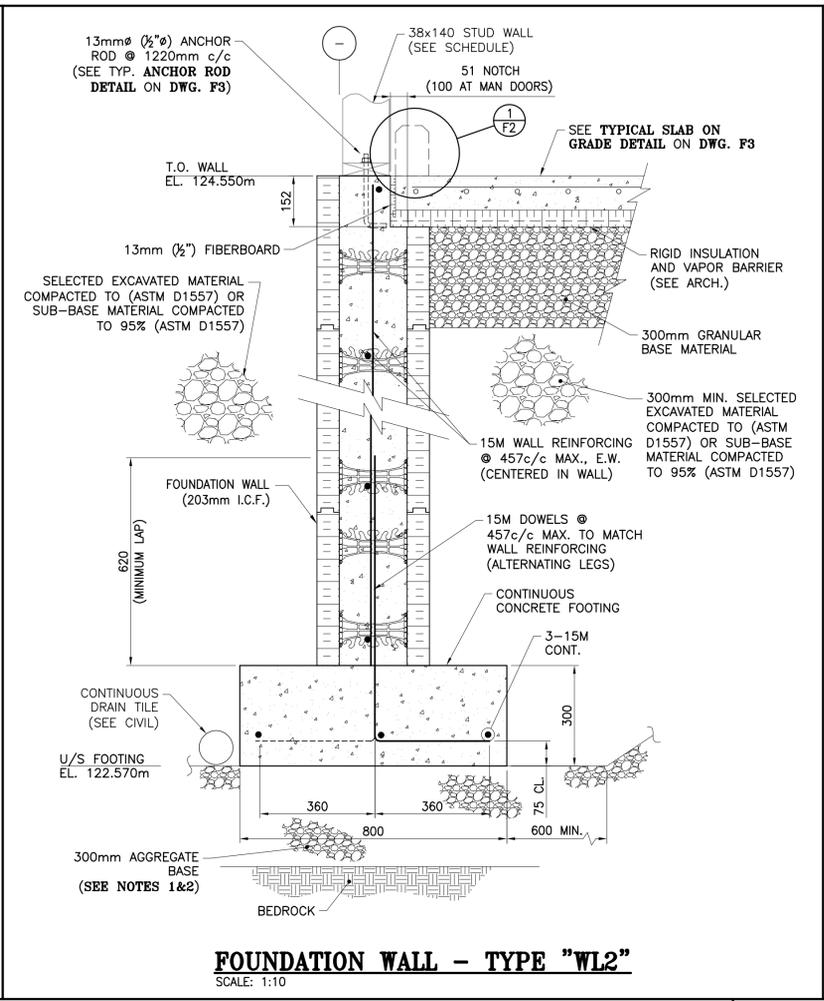
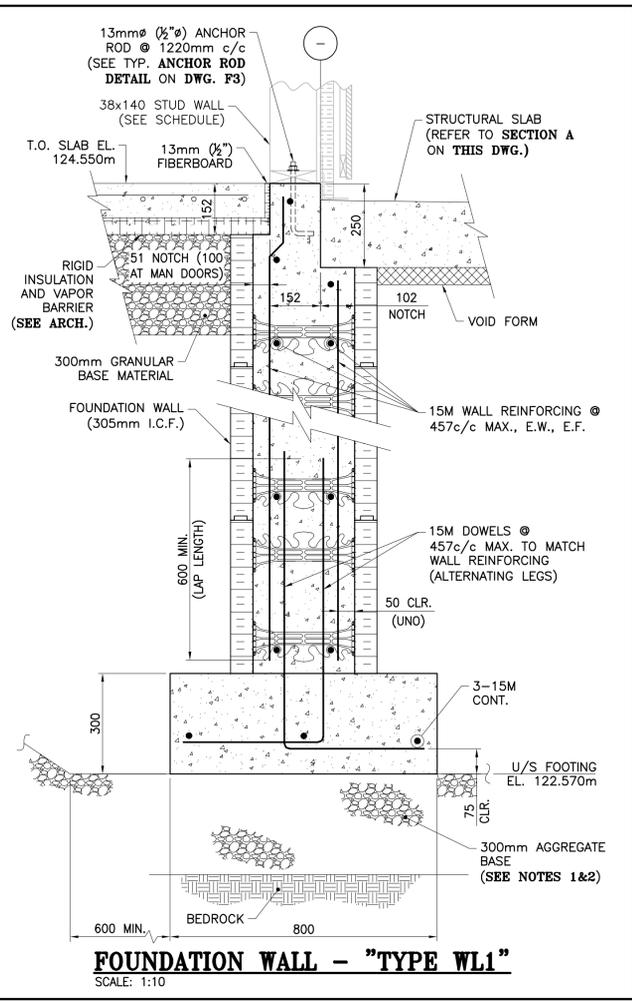
DRAWING TITLE: **SERVICE BUILDING -FOUNDATION- PLAN VIEW & SECTIONS**

DESIGN: P. BOUDREAU APPROVED: P. BOUDREAU

DRAWN: K. HEBERT DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT N°: **9223-18-00** DRAWING N°: **F1A**



ARCHITECTS:
EVOQ
1435, RUE SAINT-ALEXANDRE, BUREAU 1000
MONTREAL (QUEBEC) H3A 2G4
T. 514-393-9490 F. 514-393-9498
info@evoqarchitecture.com

ENGINEERS:
ROY CONSULTANTS
13, rue Costigan Street
Edmundston (NB) E3V 1W7
T. 506.737.9730
ENGINEERING SERVICES D'INGENIERIE E. / 506.548.2207

LANDSCAPE ARCHITECTS:
BDA Landscape Architects

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

SPECIFIC NOTES
1. REFER TO GEOTECHNICAL REPORT FOR EXCAVATION AND BACKFILL RECOMMENDATIONS.
2. BEDROCK EXCAVATION MAY BE REQUIRED.

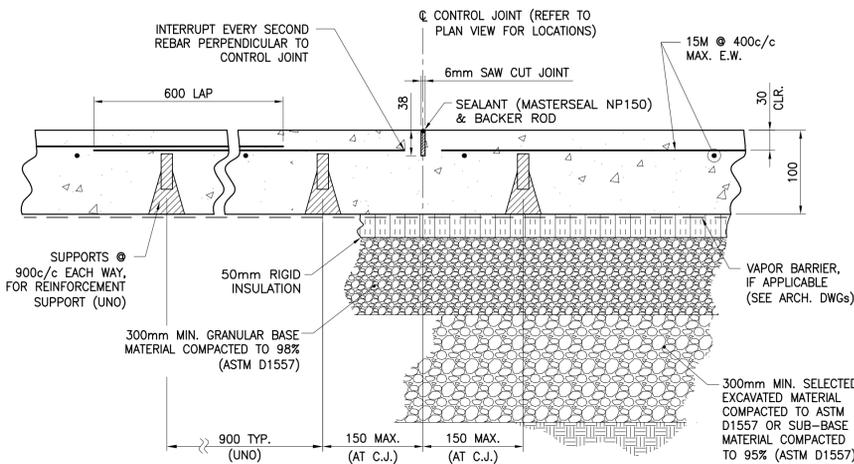
NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	KH	2021-06-18

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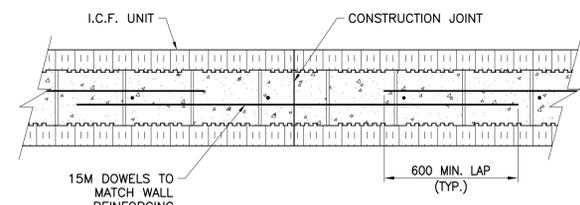
PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

DRAWING TITLE:
SERVICE BUILDING - FOUNDATION - SECTIONS & DETAILS

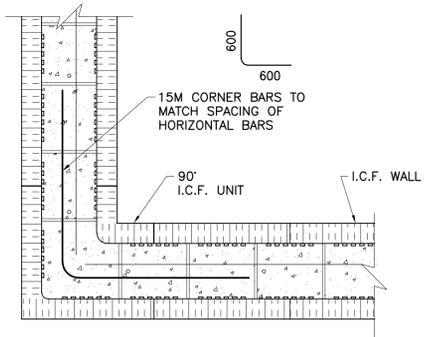
DESIGN: P. BOUDREAU APPROVED: P. BOUDREAU
DRAWN: K. HEBERT DATE: JUNE 2021
VERIFIED: M. BOUDREAU SCALE: AS SHOWN
PROJECT NO.: 9223-18-00 DRAWING NO.: F2A



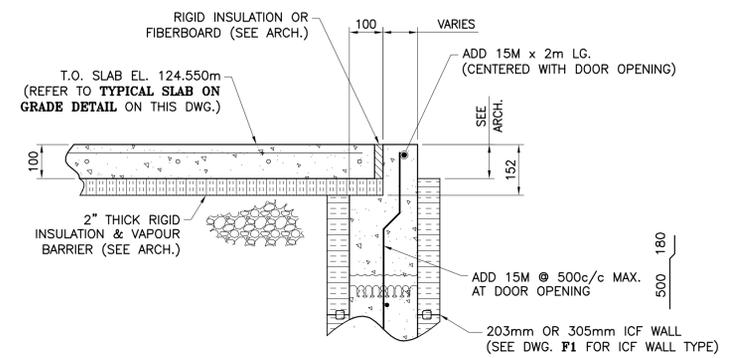
TYPICAL SLAB ON GRADE DETAIL
SCALE: N.T.S.



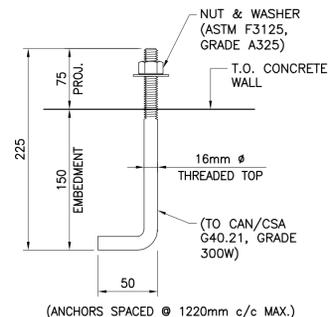
TYPICAL WALL CONSTRUCTION JOINT
SCALE: N.T.S. (NOTE 1)



TYPICAL CORNER REINFORCING DETAIL
SCALE: N.T.S. (NOTE 2)

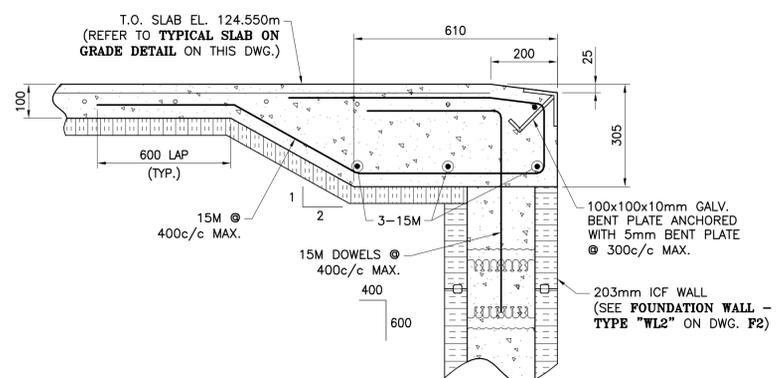


TYP. DETAIL AT MAN DOORS (D.O.)
SCALE: N.T.S. @ 4 LOCATIONS

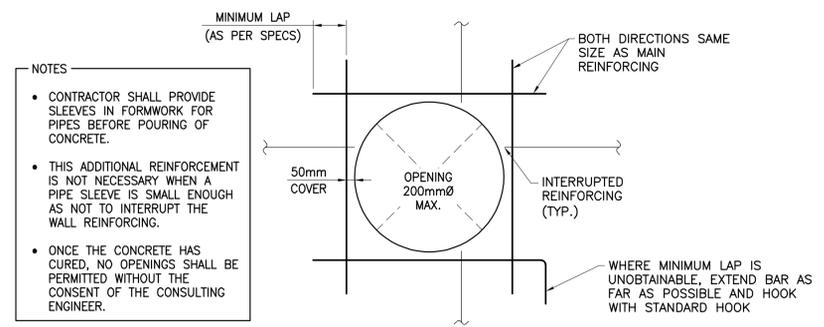


NOTE:
A MINIMUM OF 2 ANCHORS ARE REQUIRED FOR EACH EXTERIOR WALL SEGMENT.

TYPICAL WALL ANCHOR DETAIL
SCALE: N.T.S.



TYP. SECTION AT OVERHEAD DOOR
SCALE: N.T.S.



NOTES

- CONTRACTOR SHALL PROVIDE SLEEVES IN FORMWORK FOR PIPES BEFORE POURING OF CONCRETE.
- THIS ADDITIONAL REINFORCEMENT IS NOT NECESSARY WHEN A PIPE SLEEVE IS SMALL ENOUGH AS NOT TO INTERRUPT THE WALL REINFORCING.
- ONCE THE CONCRETE HAS CURED, NO OPENINGS SHALL BE PERMITTED WITHOUT THE CONSENT OF THE CONSULTING ENGINEER.

TYPICAL REINFORCEMENT AT WALL OPENINGS
SCALE: N.T.S.

SPECIFIC NOTES

- THIS DETAIL IS APPLICABLE FOR 152mm AND 203mm THICK ICF WALLS. FOR 305mm THICK ICF WALL, TWO DOWELS ARE REQUIRED (NEAR FACE AND FAR FACE). LOCATIONS OF CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEERING CONSULTANT.
- THIS DETAIL IS APPLICABLE FOR 152mm AND 203mm THICK ICF WALLS. FOR 305mm THICK ICF WALL, TWO CORNER BARS ARE REQUIRED (NEAR FACE AND FAR FACE).

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	KH	2021-06-18

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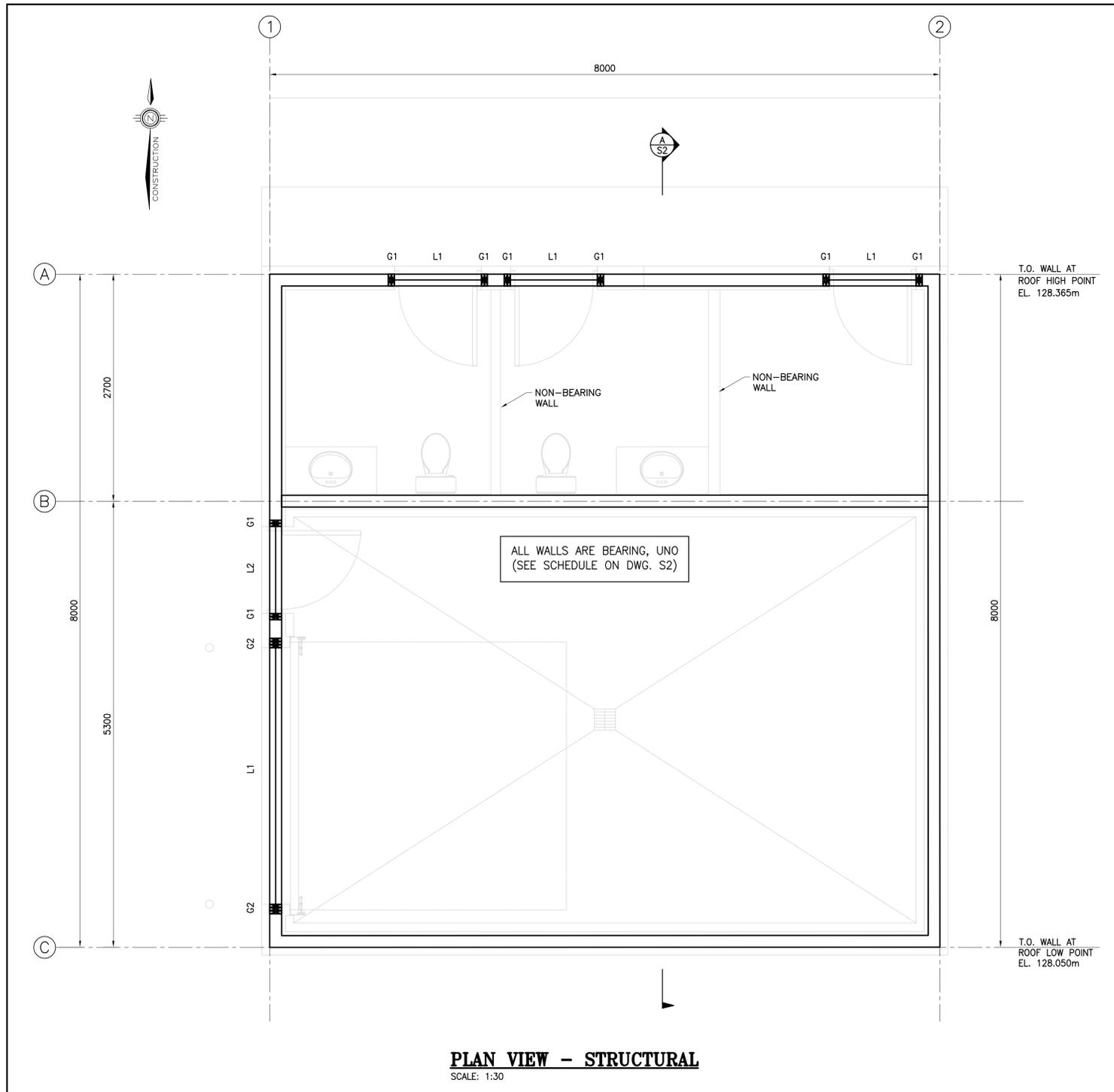
PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

SERVICE BUILDING - FOUNDATION - TYPICAL DETAILS

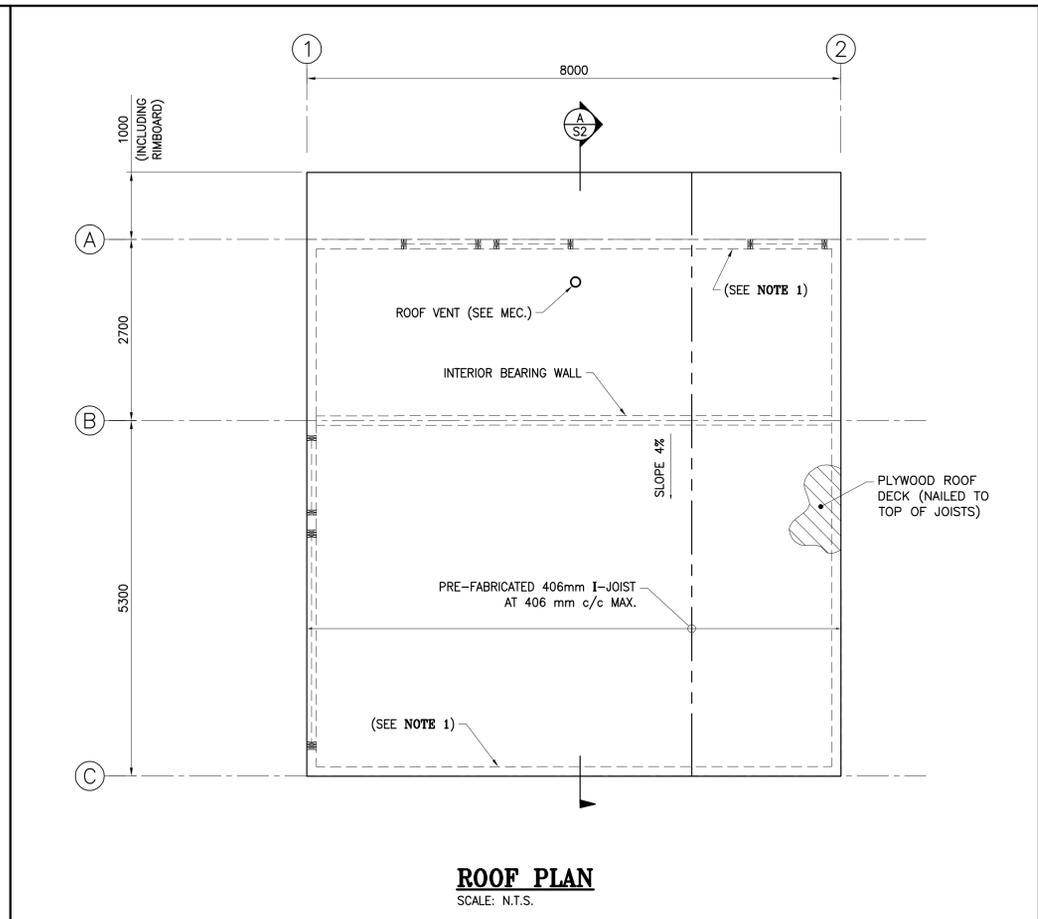
DESIGN: P. BOUDREAU APPROVED: P. BOUDREAU

DRAWN: K. HEBERT DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN



PLAN VIEW - STRUCTURAL
SCALE: 1:30



ROOF PLAN
SCALE: N.T.S.

ROOF JOISTS DESIGN LOADS	
(AS PER PART 4 OF THE NBC OF CANADA 2015, BUT WITH FOLLOWING UNFACTORED LOADS)	
DL ROOF:	1.2kPa (NOT INCLUDING I-JOISTS) TOP CHORD = 0.8kPa, BOTTOM CHORD = 0.4kPa ALL JOISTS SHALL BE DESIGNED FOR AN ADDITIONAL POINT LOAD OF 0.71kN ANYWHERE ON THEIR BOTTOM AND TOP CHORD (NON SIMULTANEOUSLY).
SL ROOF:	3.48kPa, UNO. (S _s = 3.6kPa, S _r = 0.6kPa, C _b = 0.8, I _s =1.0)
ASL:	L/360

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- THESE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL SPECIFICATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR FINISHES, AS WELL AS WALL OPENING DIMENSIONS AND LOCATIONS.
- THE TYPICAL DETAILS ON THIS THESE STRUCTURAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT. REFER TO WRITTEN ANNOTATIONS AND SCHEDULES FOR EXACT ARRANGEMENT.
- REFERENCE ELEVATIONS ARE AS PER CIVIL AND LANDSCAPE ARCH. (BDA). THEY DIFFER FROM BUILDING ARCH. (EVOQ) BY 114.550 m:
T.O. SLAB ON FOUNDATION DWG. = 124.550 m
T.O. SLAB ON ARCH. DWG. = 10.000 m

ARCHITECTS:
EVOQ
1435, RUE SAINT-ALEXANDRE, BUREAU 1000
MONTREAL (QUEBEC) H3A 2G4
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LANDSCAPE ARCHITECTS:
BDA Landscape Architects

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

SPECIFIC NOTE

1. EACH ROOF JOIST TO BE CONNECTED TO EXTERIOR WALL TOP PLATES WITH ONE H4 CONNECTOR BY SIMPSON STRONG TIE (OR APPROVED EQUAL), ALONG LINES 'A' AND 'C'.

LEGEND

- T.O. - TOP OF
- U.N.O. - UNLESS NOTED OTHERWISE
- Gx - GANG STUD, SEE SCHEDULE ON DWG. S2
- Lx - LINTEL, SEE SCHEDULE ON DWG. S2

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	KH	2021-06-18
N°	REVISION:		

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PROJECT:
KCIW KNICANEWEK SPORTS
AND RECREATION PARK -
PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

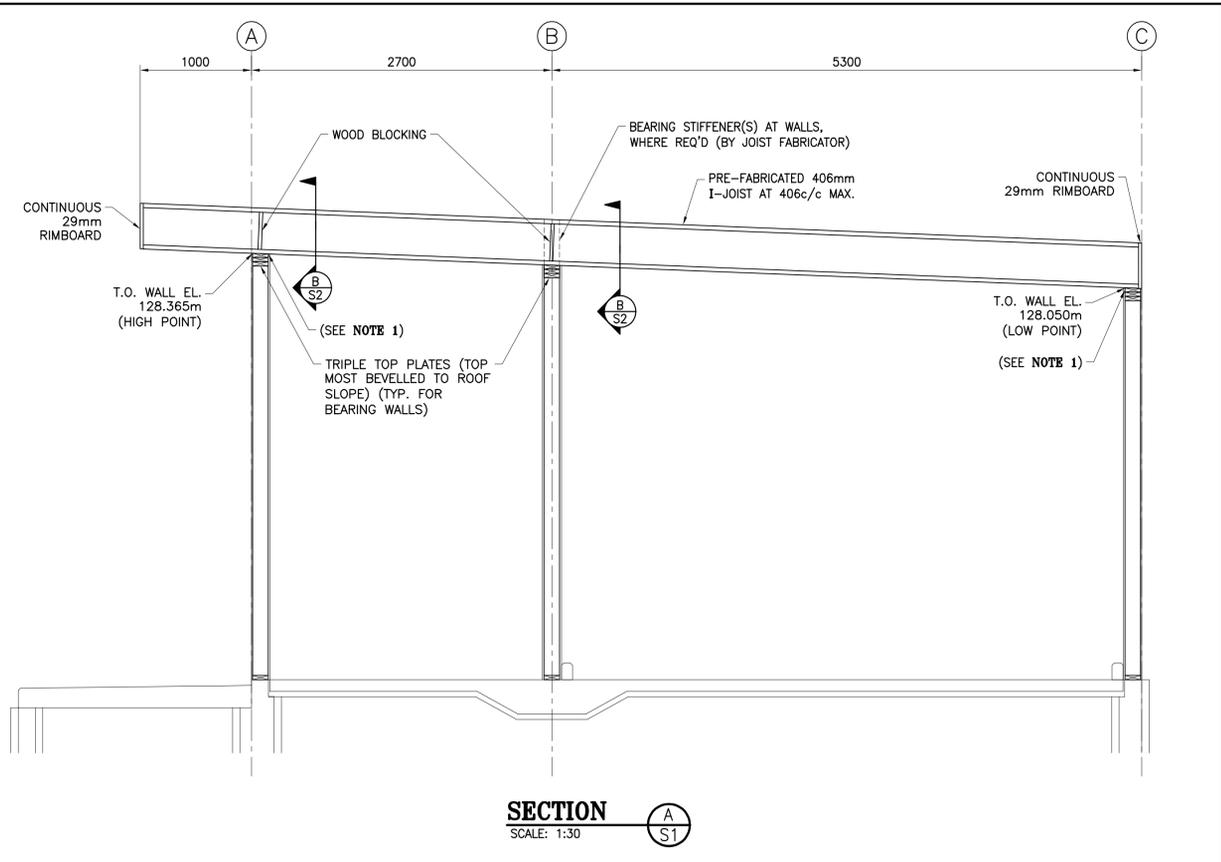
DRAWING TITLE:
**SERVICE BUILDING
-STRUCTURAL-
PLAN VIEWS**

DESIGN: P. BOUDREAU APPROVED: P. BOUDREAU

DRAWN: K. HEBERT DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO.: 9223-18-00 DRAWING NO.: S1A



SECTION A S1
SCALE: 1:30

GANG STUD SCHEDULE					
MARK	MEMBER SIZE	NO. OF PLYS	KING STUDS REQ'D	JACK STUDS REQ'D	LUMBER GRADE
G1	38x140	2	1	1	No. 2 SPF
G2	38x140	3	2	1	No. 2 SPF

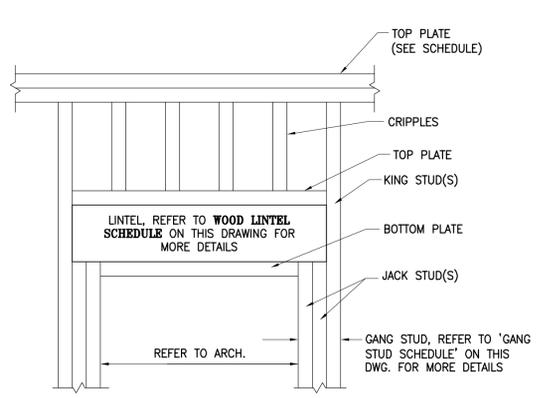
NOTE:
- REFER TO LINTEL ARRANGEMENT ON THIS DRAWING.

BEARING WALL SCHEDULE					
38x140mm SPF No.2 (OR BETTER) STUDS SPACED AT 406mm c/c MAX. SILL PLATE TO BE 38x140mm SPF No.2 OR BETTER. TOP PLATE TO BE 3-38x140mm SPF No.2 OR BETTER, WITH VERY TOP PLATE BEVELED TO ROOF SLOPE. STUD SPACING ARE MINIMUM STRUCTURAL REQUIREMENTS. CONTRACTOR TO MODIFY (CLOSER) AS REQUIRED TO SUIT ARCHITECTURAL FINISH.					

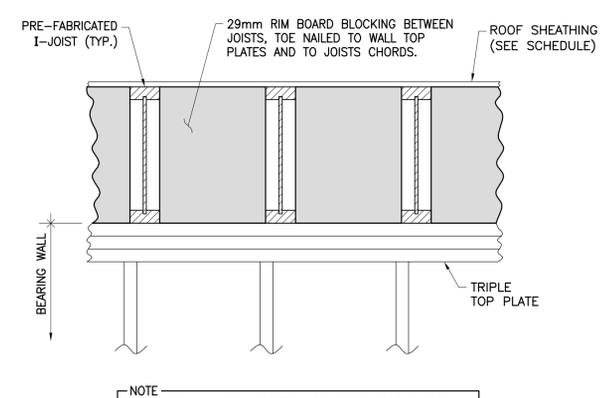
LINTEL SCHEDULE			
MARK	MEMBER SIZE	NO. OF PLYS	LUMBER GRADE
L1	38x235	3	No. 2 SPF
L2	38x235	2	No. 2 SPF

NOTE:
- REFER TO LINTEL ARRANGEMENT ON THIS DRAWING.

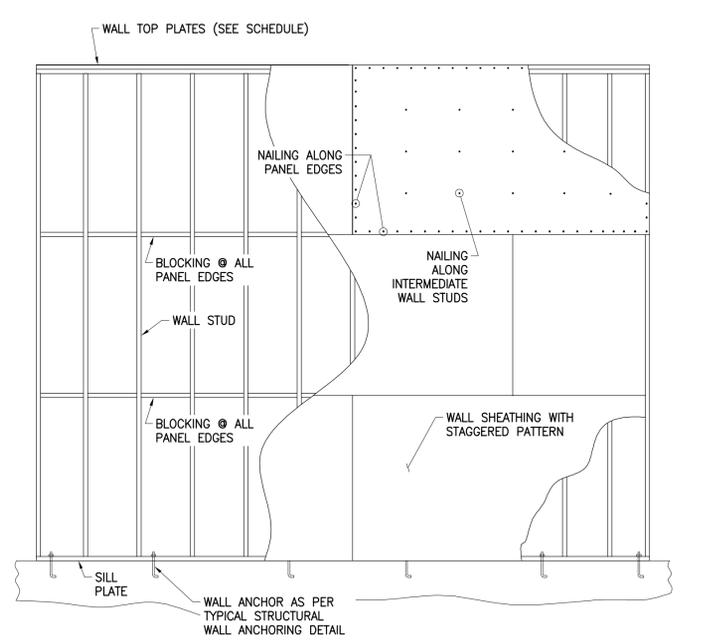
MINIMUM SHEATHING REQUIREMENTS	
MATERIAL:	CONSTRUCTION SHEATHING PLYWOOD IN ACCORDANCE WITH CAN/CSA 0151, AND OSB IN ACCORDANCE WITH CAN/CSA 0325.
ROOF (DIRECTLY ON JOISTS):	16mm THICK 5-PLY T&G PLYWOOD FOR ALL ROOF (U.N.O.) ORIENTED AT 0° (EXTERIOR TYPE) WITH STAGGERED PATTERN. NAIL SHEATHING AT 152mm c/c ON PANEL EDGES AND AT 305mm c/c AT INTERMEDIATE FRAMING MEMBERS USING 63.5mm (2.5") LONG x 3.05mm (0.120") MIN. NAILS.
BR'G WALLS:	U.N.O., 11mm (7/16") OSB SHEATHING (1R24) ON ONE SIDE FOR ALL BEARING WALLS (EXTERIOR TYPE FOR EXTERIOR WALLS), WITH LONG DIMENSION LAID HORIZONTALLY AND ENDS STAGGERED 1220mm (4'-0") c/c. FASTEN SHEATHING WITH 63.5mm (2.5") LONG x 3.05mm (0.120") MIN. NAILS AT 152mm (6") c/c MIN. AT ALL PANEL EDGES AND AT 305mm (12") c/c ALONG INTERMEDIATE WALL STUDS. BLOCK PANEL EDGES. PARTITION INTERIOR WALL SHEATHING AS PER ARCHITECTURAL DRAWINGS.



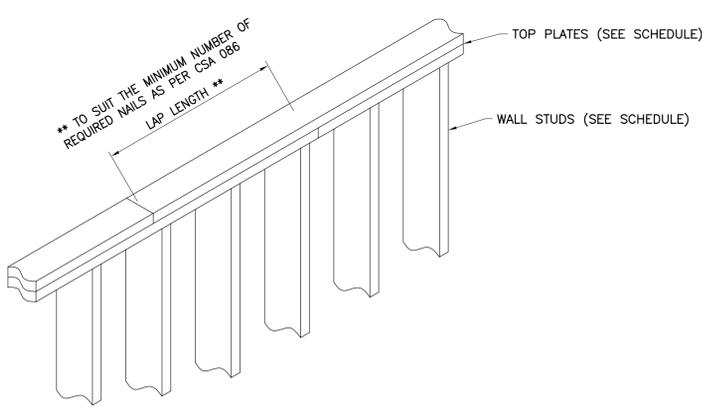
LINTEL ARRANGEMENT
SCALE: N.T.S.



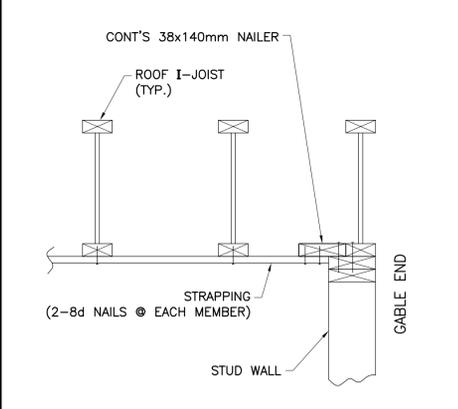
SECTION B S2
SCALE: 1:10



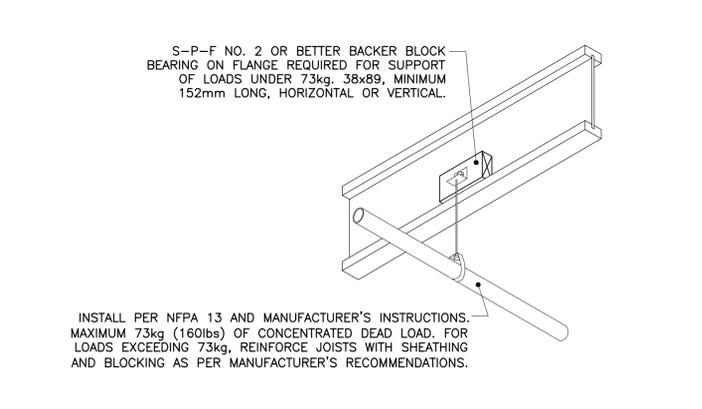
TYPICAL BLOCKED WALL DETAIL
SCALE: N.T.S.



TYPICAL TOP PLATE LAP DETAIL
SCALE: N.T.S.



TYPICAL GABLE END DETAIL
SCALE: N.T.S.



HANGING ELEC./MECH. LOADS TO I-JOISTS
SCALE: N.T.S.

SPECIFIC NOTE

1. EACH ROOF JOIST TO BE CONNECTED TO EXTERIOR WALL TOP PLATES WITH ONE H4 CONNECTOR BY SIMPSON STRONG TIE (OR APPROVED EQUAL), ALONG LINES 'A' AND 'C'.

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	KH	2021-06-18
N°	DESCRIPTION	BY	DATE

- GENERAL NOTES:
1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE TO ENSURE CONFORMITY WITH THE DIMENSIONS GIVEN ON THE DRAWINGS.
 2. THE GENERAL CONTRACTOR IS RESPONSIBLE TO IMMEDIATELY SUBMIT A REPORT TO THE ARCHITECT OR ENGINEER WITH ANY VARIANCES.
 3. THE GENERAL CONTRACTOR SHOULD NOT TAKE SCALED MEASUREMENTS OFF THE DRAWINGS.
 4. ANY INDIVIDUAL OR FIRM THAT HAVE RECEIVED ELECTRONIC DOCUMENT USE THEM AT THEIR OWN RISK. ONLY ORIGINAL DRAWINGS, STAMPED BY THE ARCHITECT OR ENGINEER, CAN BE USED FOR CONSTRUCTION.

PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

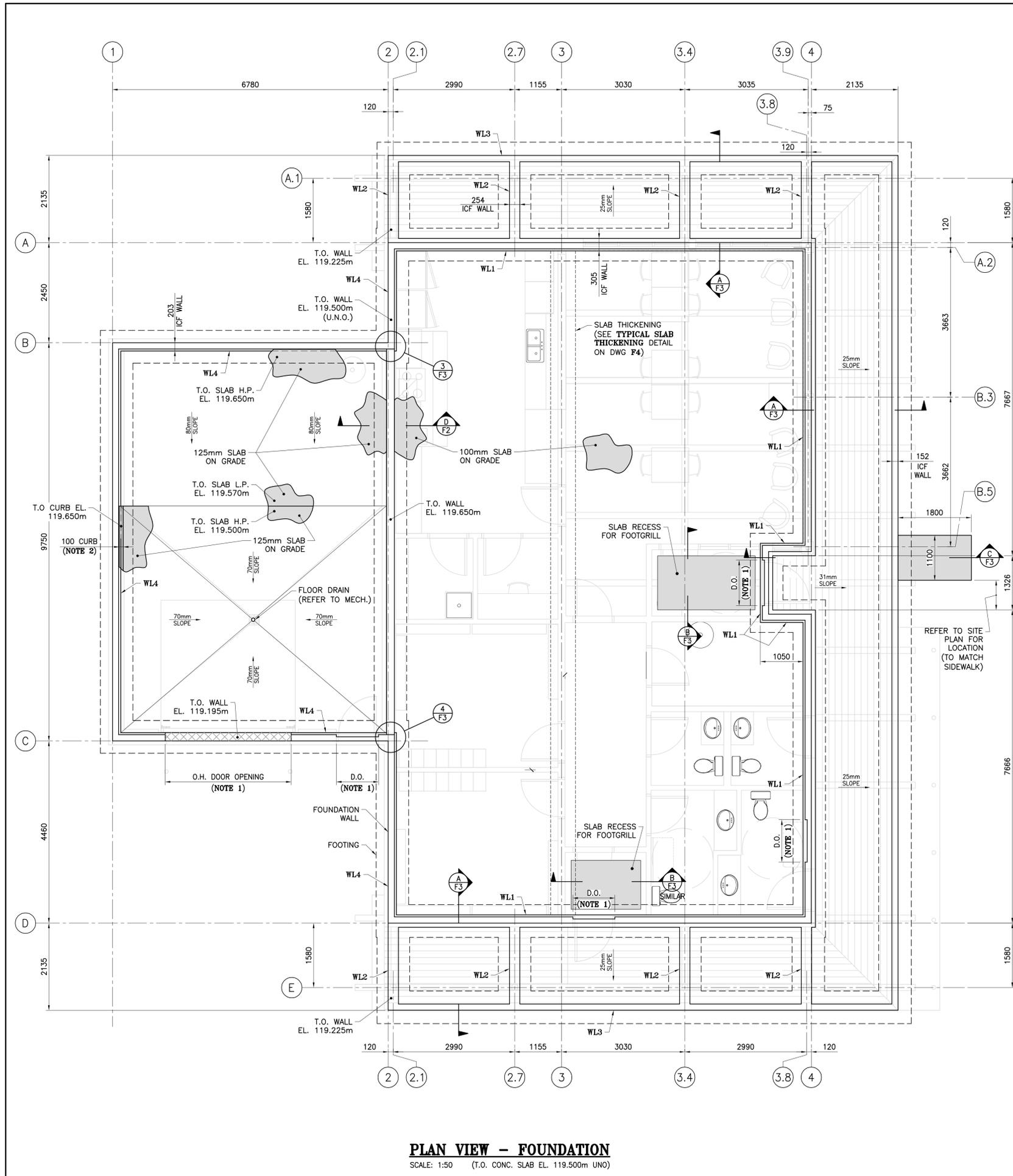
DRAWING TITLE:
SERVICE BUILDING -STRUCTURAL- SECTIONS & DETAILS

DESIGN: P. BOUDREAU APPROVED: P. BOUDREAU

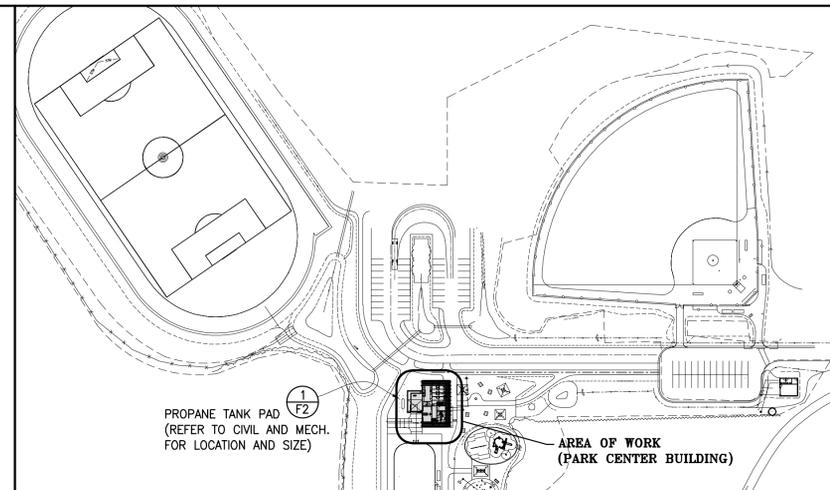
DRAWN: K. HEBERT DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO: **9223-18-00** DRAWING NO: **S2A**



PLAN VIEW - FOUNDATION
SCALE: 1:50 (T.O. CONC. SLAB EL. 119.500m UNO)



LOCATION PLAN
SCALE: N.T.S.

LEGEND

- D.O. = INDICATES DOOR OPENING (COORDINATE SIZE AND LOCATION WITH ARCH.)
- WL1 = INDICATES FOUNDATION WALL TYPE 'WL1' (REFER TO DRAWING F2 FOR FOUNDATION WALL DETAILS)
- T.O. = TOP OF
- N.I.C. = NOT IN CONTRACT
- C.J. = CONTROL JOINT
- E.W. = EACH WAY
- T&B = TOP AND BOTTOM
- UNO = UNLESS NOTED OTHERWISE
- c/w = COMPLETE WITH
- = CONTROL JOINT (SEE SLAB ON GRADE DETAIL)

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING, AND THE REMOVAL OF ALL EXISTING MATERIALS AND INSTALLATIONS NECESSARY FOR THE EXECUTION OF THE WORK DESCRIBED BELOW OR SHOWN ON THESE STRUCTURAL DRAWINGS. ALL REMOVED MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION, UNLESS INDICATED OTHERWISE BY OWNER AND/OR TENANT.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, ELEVATIONS AND/OR CONSTRUCTION DETAILS. REPORT ANY DISCREPANCIES TO THE CONSULTANT. DO NOT SCALE ON THESE STRUCTURAL DRAWINGS.
- ALL WORK SHALL BE PERFORMED AND COMPLETED TO THE STANDARDS OF MATERIALS AND WORKMANSHIP AS PER THE NATIONAL BUILDING CODE OF CANADA (NBC), 2015, INCLUDING ALL CORRECTIONS AND REVISIONS TO DATE. ALL WORK AND INSTALLATIONS SHALL ALSO COMPLY TO APPLICABLE MUNICIPAL AND PROVINCIAL REGULATIONS. IN THE ABSENCE OF SPECIFIC REQUIREMENTS IN THE ABOVE, WORK SHALL CONFORM TO SOUND BUILDING PRACTICE AND QUALITY WORKMANSHIP.
- THESE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL SPECIFICATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENING DIMENSIONS AND LOCATIONS.
- SEE MECH. FOR LOCATION OF REQUIRED SLEEVES THROUGH FOUNDATION WALL. OPENING SHALL BE 6"Ø OR LESS (UNLESS APPROVED BY CONSULTANT) AND SHOULD NOT INTERRUPT REINFORCEMENT BARS.
- TYPICAL STEEL REINFORCEMENT COVER TO BE 40mm U.N.O.

SPECIFIC NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION AND DIMENSION OF DOOR OPENINGS.
2. REFER TO DETAIL 1 ON DWG F2 FOR CURB REQUIRED ALONG LINES 1, B & C. (INTERRUPT CURB AT DOOR OPENINGS)

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	R.C.	2021-06-18

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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

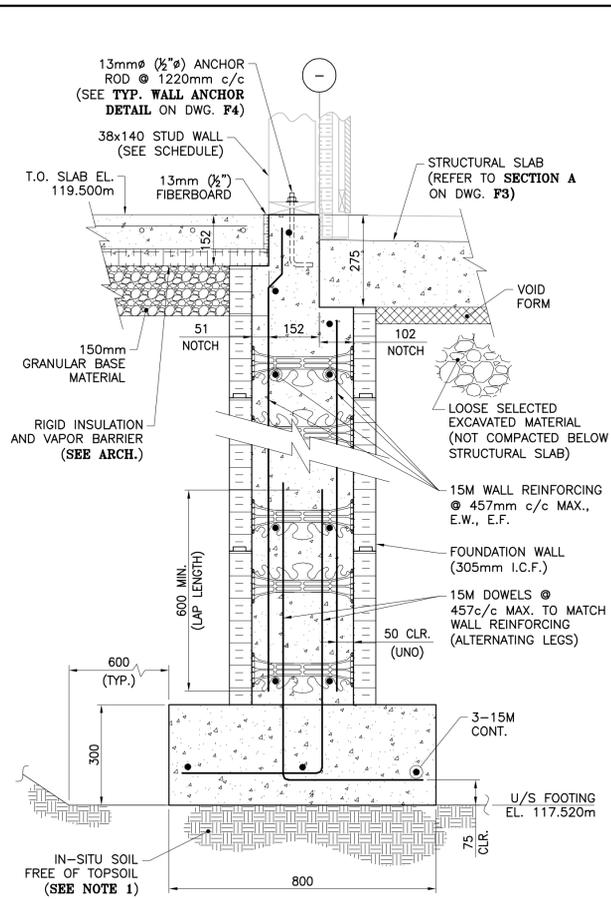
DRAWING TITLE:
PARK CENTER BUILDING -STRUCTURAL- FOUNDATION PLAN

DESIGN: M. BOUDREAU APPROVED: --

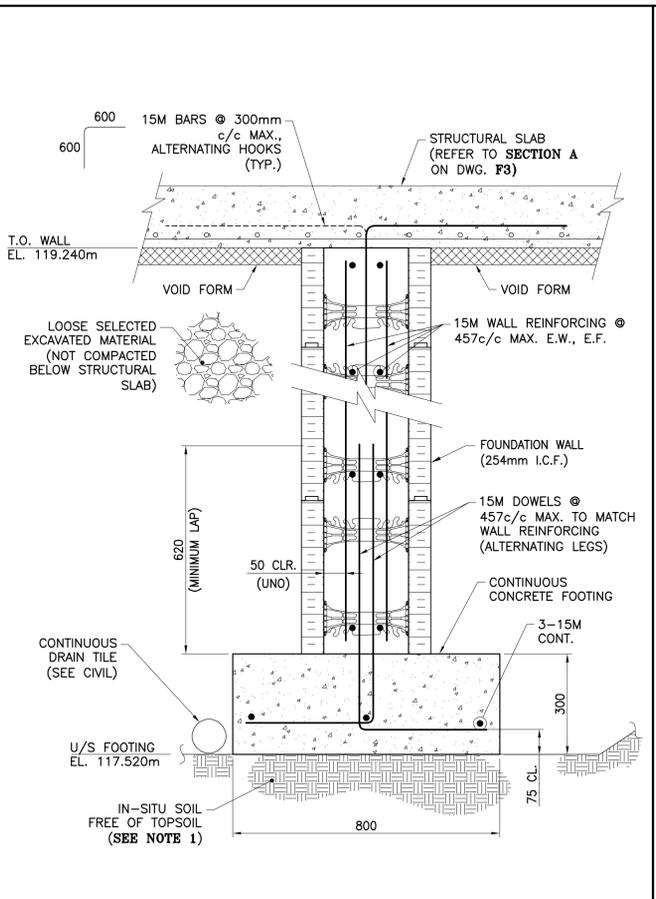
DRAWN: R. COULTURE DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

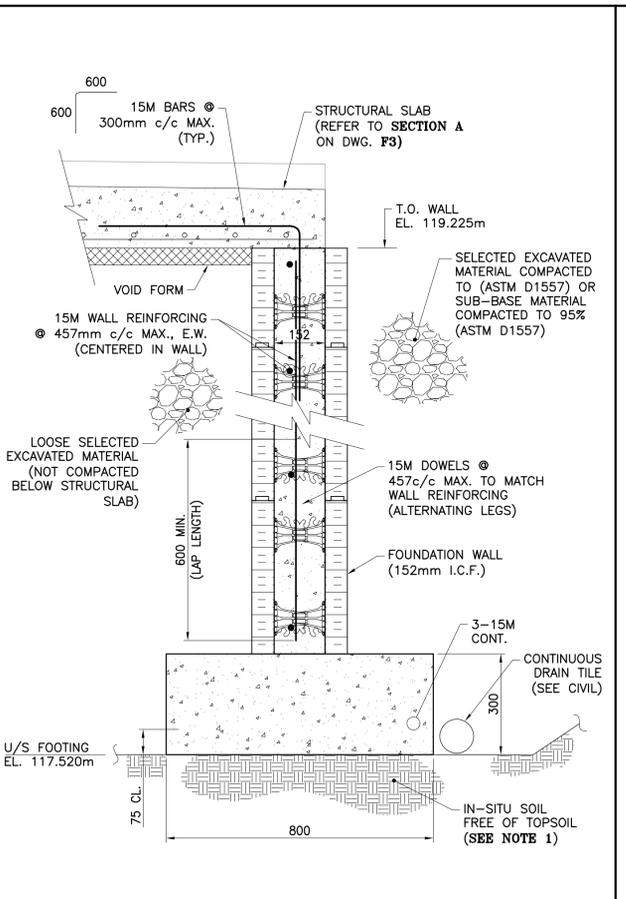
PROJECT NO: 9223-18-00 DRAWING NO: F1B



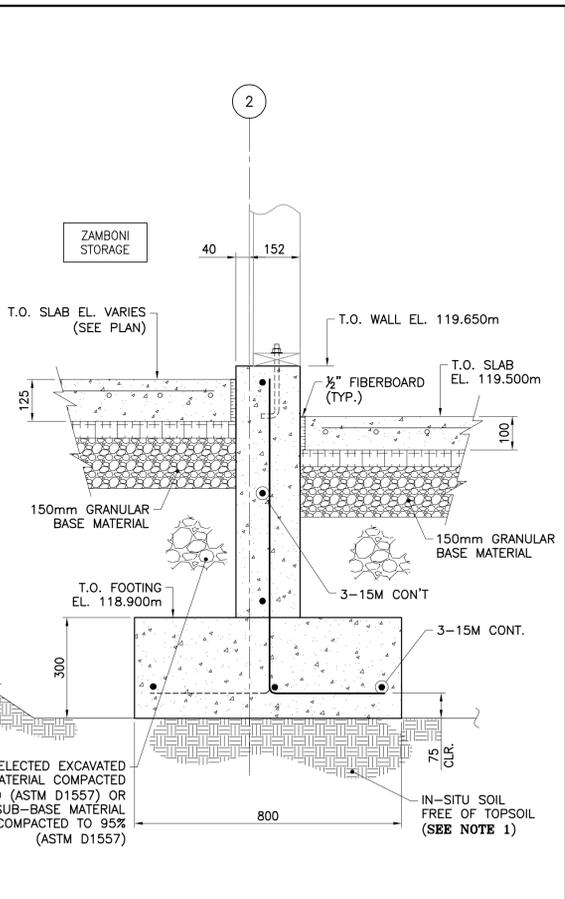
FOUNDATION WALL - "TYPE WL1"
SCALE: 1:10



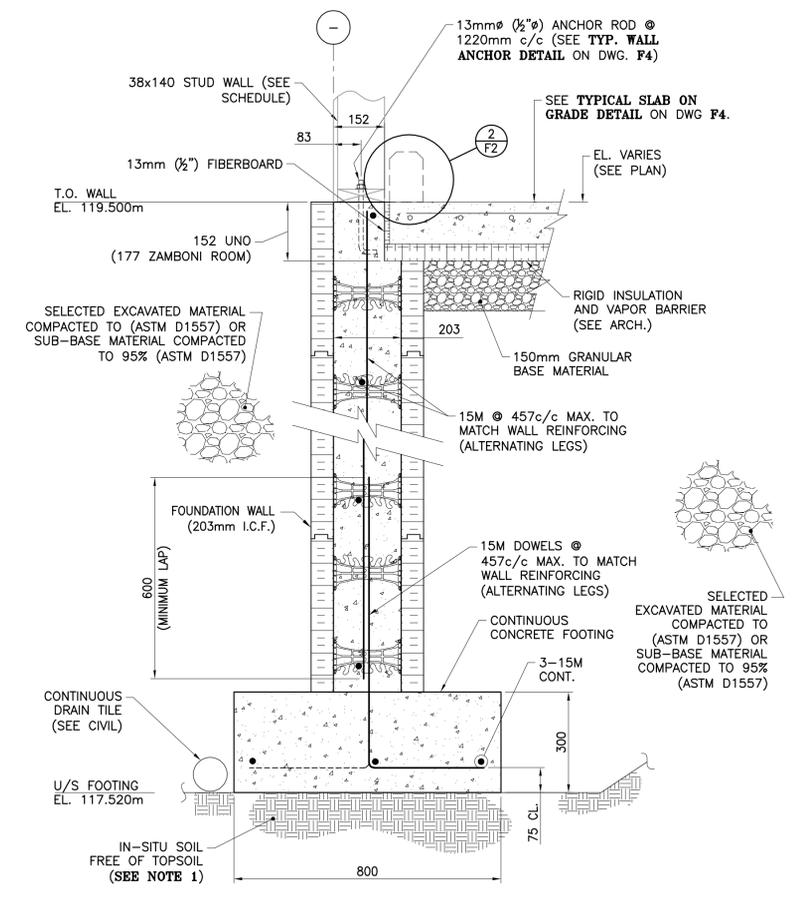
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SCALE: 1:10



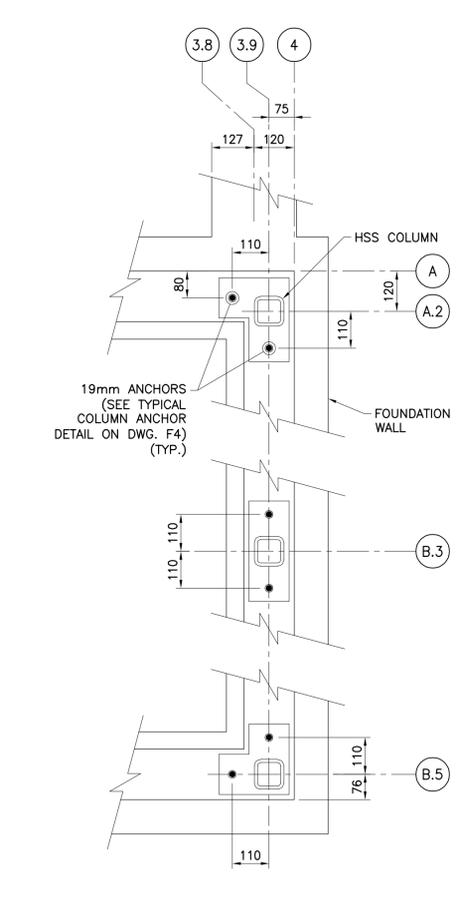
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SCALE: 1:10



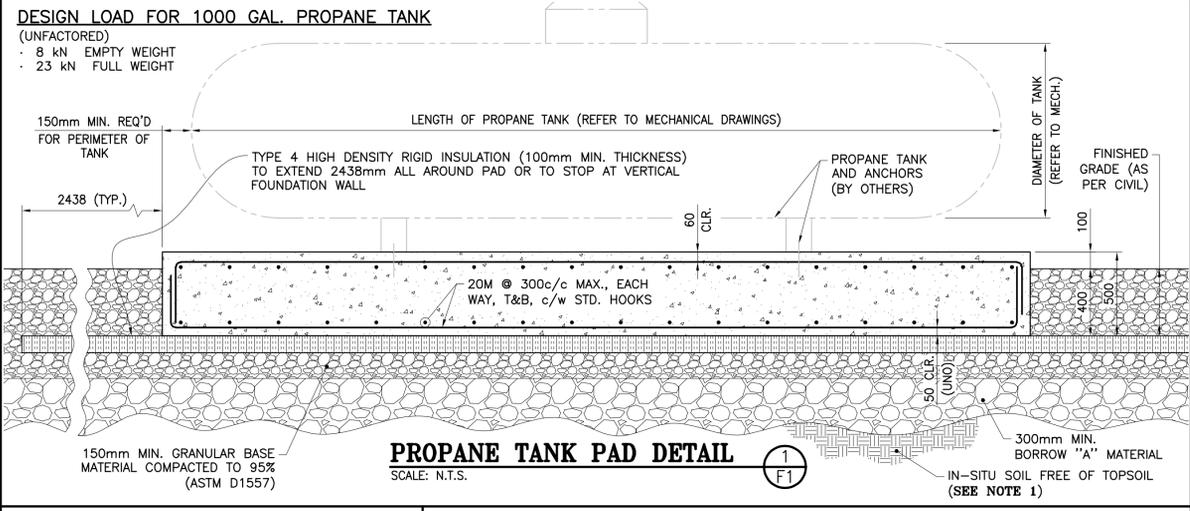
SECTION D-F1
SCALE: 1:10



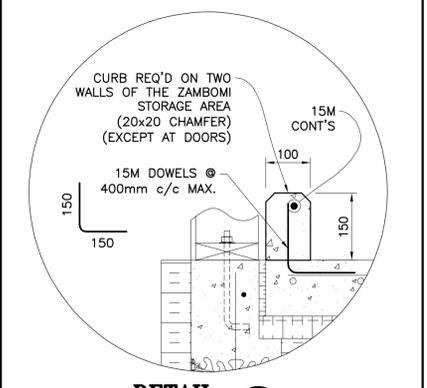
FOUNDATION WALL - "TYPE WL4"
SCALE: 1:10



HSS COLUMN ANCHOR LAYOUT PLAN
SCALE: 1:10



PROPANE TANK PAD DETAIL
SCALE: N.T.S.



DETAIL 2-F2
SCALE: 1:7.5

DESIGN LOAD FOR 1000 GAL. PROPANE TANK
(UNFACTORED)
· 8 kN EMPTY WEIGHT
· 23 kN FULL WEIGHT

GENERAL NOTE

REFER TO DRAWING F1 FOR GENERAL NOTES AND LEGEND.

SPECIFIC NOTES

1. REFER TO GEOTECHNICAL REPORT FOR EXCAVATION AND BACKFILL RECOMMENDATIONS.

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	R.C.	2021-06-18

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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

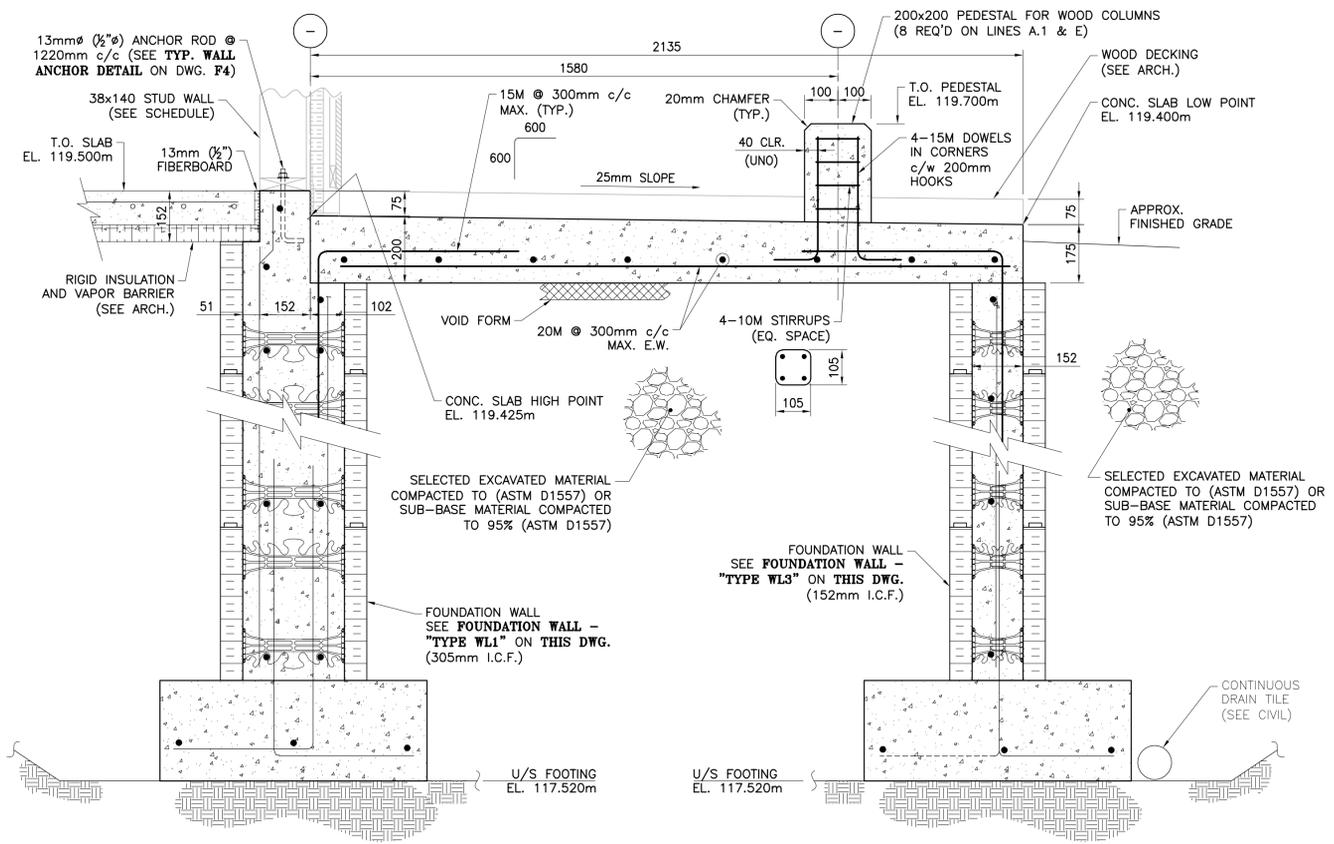
DRAWING TITLE:
PARK CENTER BUILDING - STRUCTURAL - SECTIONS & DETAILS

DESIGN: M. BOUDREAU APPROVED: -

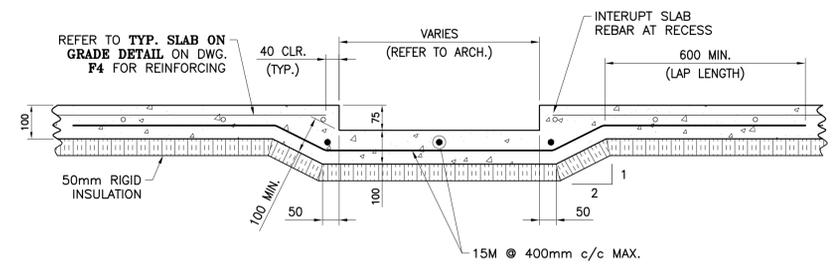
DRAWN: R. COULTURE DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

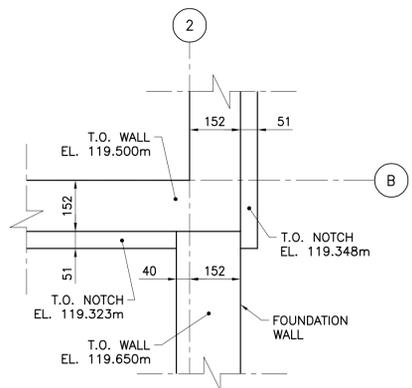
PROJECT NO.: **9223-18-00** DRAWING NO.: **F2B**



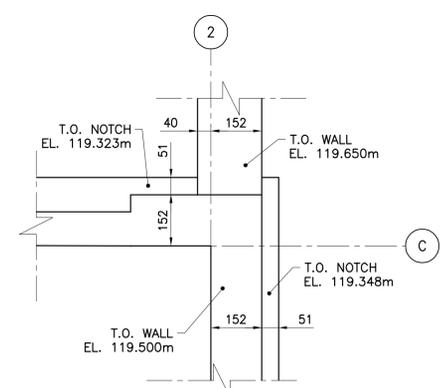
STRUCTURAL SLAB - SECTION A
SCALE: N.T.S.



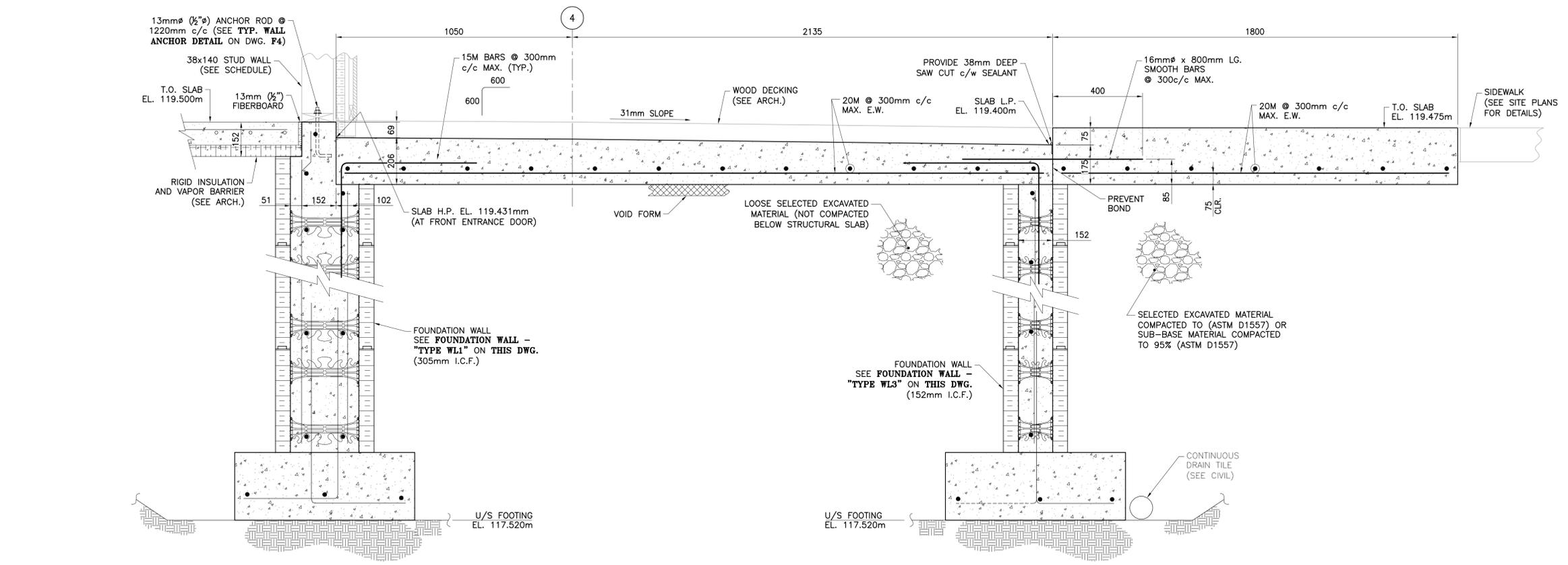
FOOTGRILL SLAB RECESS - SECTION B
SCALE: 1:10



DETAIL 3
SCALE: 1:10



DETAIL 4
SCALE: 1:10



STRUCTURAL SLAB - SECTION C
SCALE: N.T.S.

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T. 514-393-9490 F. 514-393-9498
info@evoqarchitecture.com

ROY CONSULTANTS
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T. / 506.737.9730
ENGINEERING SERVICES D'INGENIERIE E. / 506.548.2207

LANDSCAPE ARCHITECTS:
BDA Landscape Architects

BDA Landscape Architects

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

GENERAL NOTE

REFER TO DRAWING F1 FOR GENERAL NOTES AND LEGEND.

SPECIFIC NOTE

- REFER TO PLAN VIEW ON DRAWING F1 FOR SLAB THICKNESS.

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	R.C.	2021-06-18

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PROJECT:
KCIW KNICANEWEK SPORTS
AND RECREATION PARK -
PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

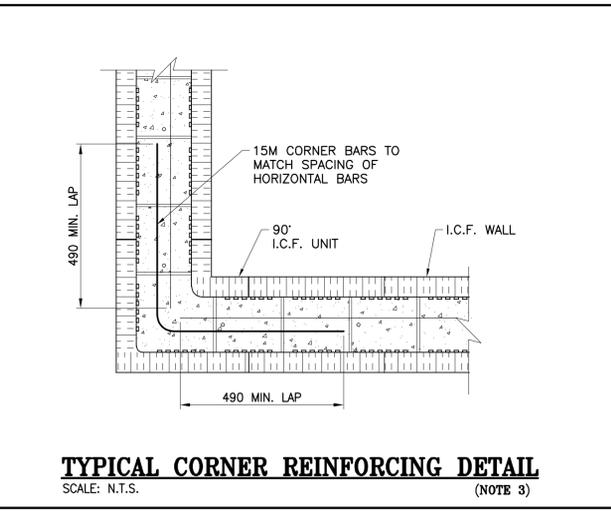
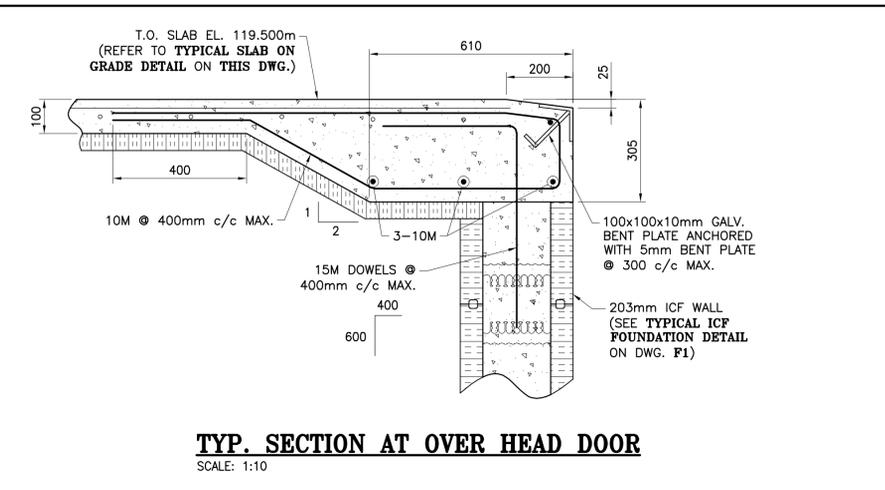
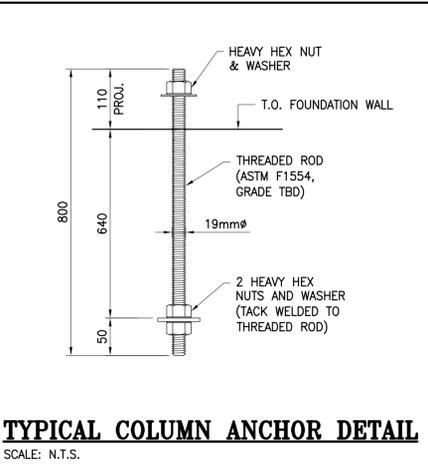
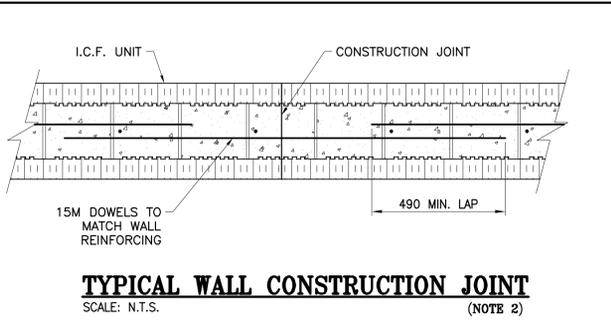
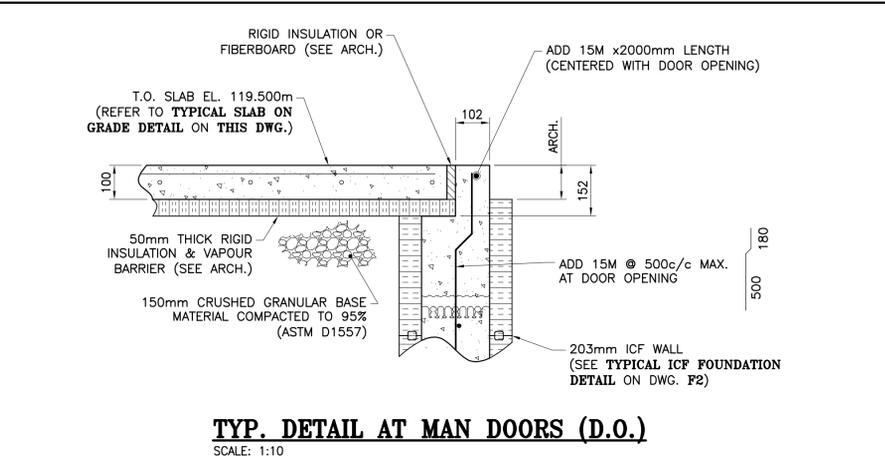
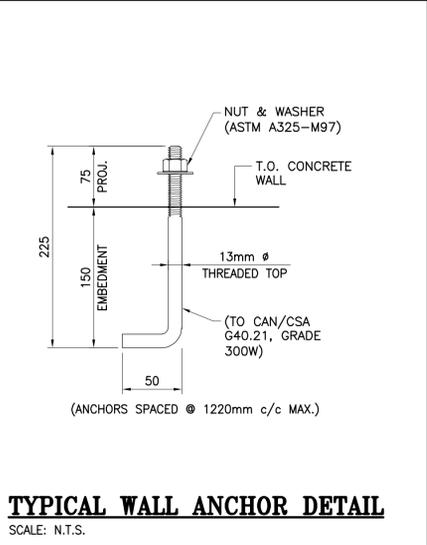
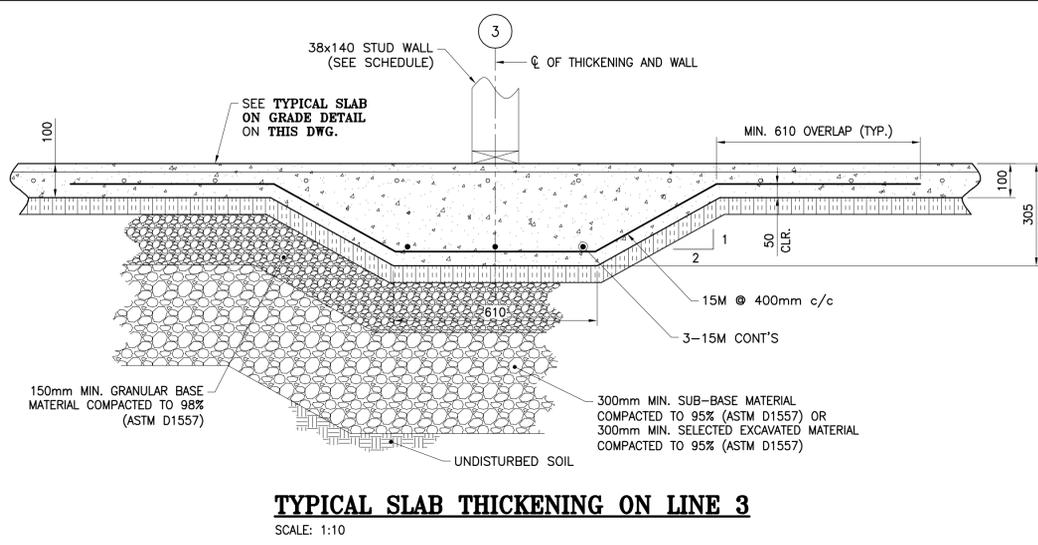
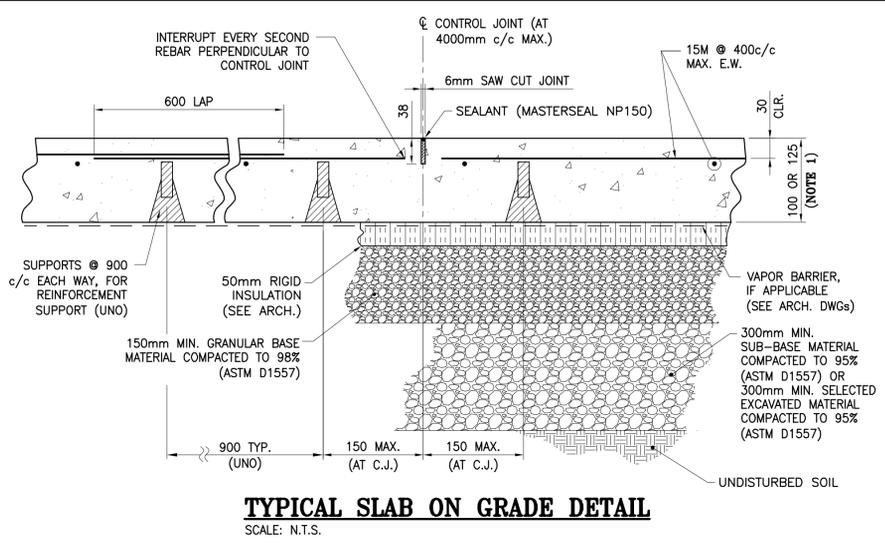
DRAWING TITLE:
**PARK CENTER BUILDING
-STRUCTURAL-
SECTIONS & DETAILS**

DESIGN: M. BOUDREAU APPROVED: --

DRAWN: R. COULTURE DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO.: 9223-18-00 DRAWING NO.: F3B



ARCHITECTS:
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1435, RUE SAINT-ALEXANDRE, BUREAU 1000
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ENGINEERS:
ROY CONSULTANTS
13, rue Costigan Street
Edmundston (NB) E3V 1W7
I. / 506.7379730
ENGINEERING SERVICES D'INGENIERIE E. / 506.548.2207
REF: 493-18-4B

LANDSCAPE ARCHITECTS:
BDA Landscape Architects

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

- SPECIFIC NOTES**
- REFER TO PLAN VIEW ON DRAWING F1 FOR SLAB THICKNESS.
 - THIS DETAIL IS APPLICABLE FOR 152mm AND 203mm THICK ICF WALLS. FOR 305mm THICK ICF WALL, TWO DOWELS ARE REQUIRED (NEAR FACE AND FAR FACE). LOCATIONS OF CONSTRUCTION JOINTS TO BE APPROVED BY THE ENGINEERING CONSULTANT.
 - THIS DETAIL IS APPLICABLE FOR 152mm AND 203mm THICK ICF WALLS. FOR 305mm THICK ICF WALL, TWO CORNER BARS ARE REQUIRED (NEAR FACE AND FAR FACE).

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	R.C.	2021-06-18
Nº	REVISION:		

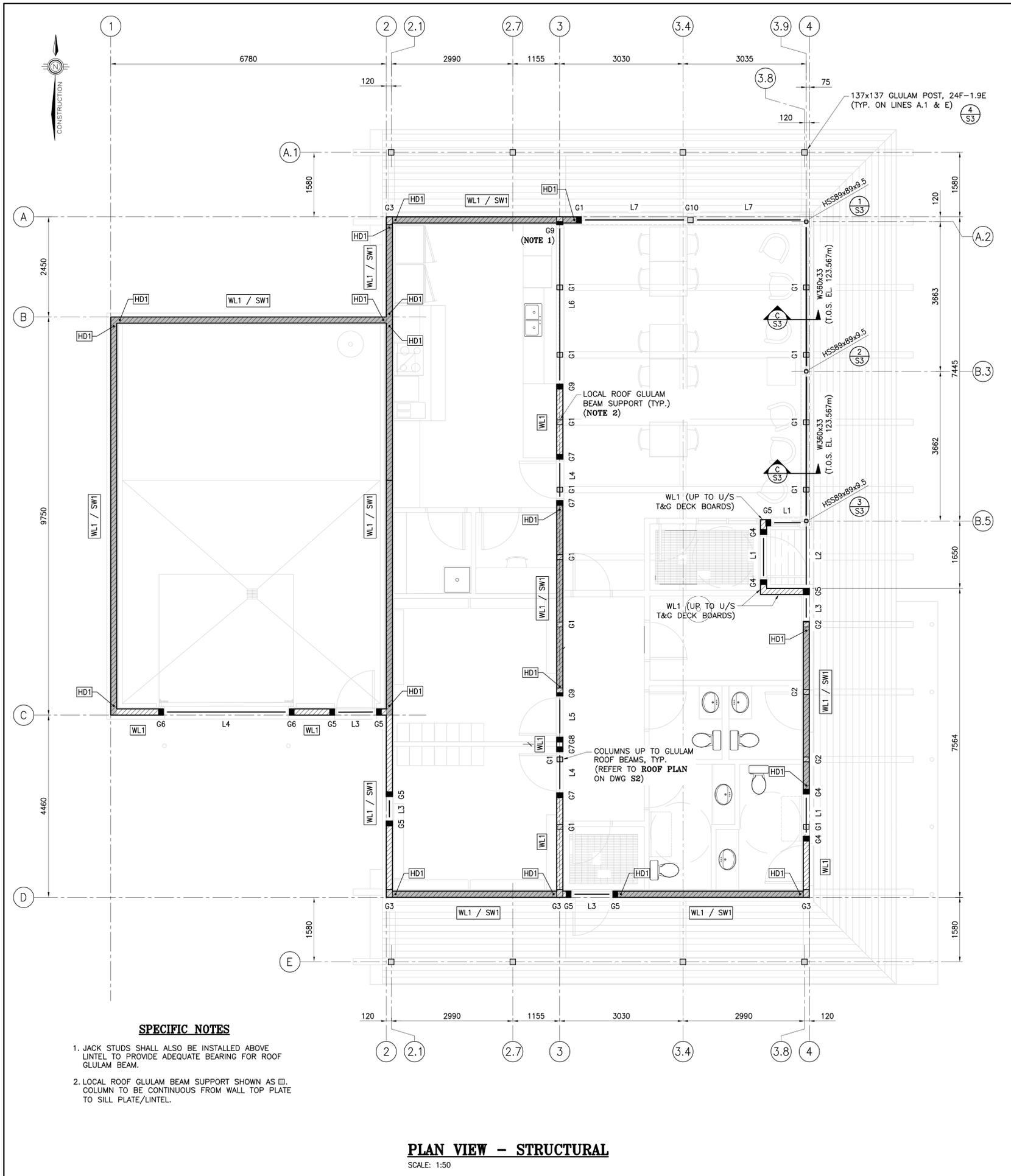
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PROJECT:
KCIW KNICANEWEK SPORTS
AND RECREATION PARK -
PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

DRAWING TITLE:
PARK CENTER BUILDING
-STRUCTURAL-
SECTIONS & TYPICAL DETAILS

DESIGN: M. BOUDREAU APPROVED: --
DRAWN: R. COULTURE DATE: JUNE 2021
VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT Nº: 9223-18-00 DRAWING Nº: F4B



SPECIFIC NOTES

- JACK STUDS SHALL ALSO BE INSTALLED ABOVE LINTEL TO PROVIDE ADEQUATE BEARING FOR ROOF GLULAM BEAM.
- LOCAL ROOF GLULAM BEAM SUPPORT SHOWN AS □. COLUMN TO BE CONTINUOUS FROM WALL TOP PLATE TO SILL PLATE/LINTEL.

PLAN VIEW - STRUCTURAL
SCALE: 1:50

LEGEND

- Gx - GANG STUD, SEE SCHEDULE ON THIS DRAWING.
- Lx - LINTEL, SEE SCHEDULE ON THIS DRAWING.
- HDx - HOLD-DOWN, SEE SCHEDULE ON THIS DRAWING.
- SWx - SHEAR WALL, SEE SCHEDULE ON THIS DRAWING.
- WLx - LOAD BEARING WALL, SEE SCHEDULE ON THIS DRAWING.

GANG STUD SCHEDULE

MARK	MEMBER SIZE	NO. OF PLIES	KING STUDS REQ'D	JACK STUDS REQ'D	LUMBER GRADE
G1	38x140	3	3	0	No. 2 SPF
G2	38x140	4	4	0	No. 2 SPF
G3	38x140	5	5	0	No. 2 SPF
G4	38x140	4	2	2	No. 2 SPF
G5	38x140	3	2	1	No. 2 SPF
G6	38x140	4	3	1	No. 2 SPF
G7	38x140	4	2	2	No. 2 SPF
G8	38x140	3	2	1	No. 2 SPF
G9	38x140	5	3	2	No. 2 SPF
G10	133x133	-	-	-	PSL 1.8E

NOTE:
- ALL GANG STUDS TO BE SPF #2 OR BETTER.
- REFER TO LINTEL ARRANGEMENTS ON DRAWING S4.

LINTEL SCHEDULE

MARK	MEMBER SIZE	NO. OF PLIES	LINTEL ARRANGEMENT	LUMBER GRADE
L1	44x302	3	LINTEL ARRANGEMENT 'B'	LVL 2.0E
L2	44x302	3	LINTEL ARRANGEMENT 'A'	LVL 2.0E
L3	38x140	2	LINTEL ARRANGEMENT 'B'	No. 2 SPF
L4	38x235	3	LINTEL ARRANGEMENT 'B'	No. 2 SPF
L5	38x140	3	LINTEL ARRANGEMENT 'B'	No. 2 SPF
L6	44x406	3	LINTEL ARRANGEMENT 'B'	LVL 2.0E
L7	38x140	3	LINTEL ARRANGEMENT 'B' (LAID HORIZONTALLY)	No. 2 SPF

NOTE:
- REFER TO LINTEL ARRANGEMENTS ON DRAWING S4.

LOAD BEARING WALL SCHEDULE

WL1 : 38x140mm SPF No.2 OR BETTER STUDS SPACED AT 406mm c/c MAX. SILL PLATE TO BE 38x140mm SPF No.2 OR BETTER. TOP PLATE TO BE 2-38x140mm SPF No.2 OR BETTER (UNO). STUD SPACINGS ARE MINIMUM STRUCTURAL REQUIREMENTS. CONTRACTOR TO MODIFY (CLOSER) AS REQUIRED TO SUIT ARCHITECTURAL FINISH.

HOLD-DOWN SCHEDULE

HD1 : SIMPSON HDU5-SDS2.5 (76mm (3") MIN. END GANG STUD THICKNESS), ANCHORED TO FOUNDATION USING HILTI 15.9mm# HAS THREADED ROD c/w HILTI HIT-RE500 V3 EPOXY ADHESIVE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT DEPTH OF 200mm.

SHEAR WALL SCHEDULE

SW1 : 12.7mm PLYWOOD EXTERIOR SHEATHING WITH LONG DIMENSION LAID HORIZONTALLY AND ENDS STAGGERED 1220mm (4'-0") c/c. FASTEN SHEATHING WITH 63.5mm (2.5") LONG x 3.05mm# (0.120") MIN. NAILS AT 75mm (3") c/c AT ALL PANEL EDGES AND AT 305mm (12") c/c ALONG INTERMEDIATE WALL STUDS. BLOCK PANEL EDGES. PROVIDE HOLD-DOWN ANCHORS AT EACH END OF ALL SHEAR WALL SEGMENTS SCREWED INTO 76mm (3") MIN. OR 114mm (4.5") THICKNESS GANG STUDS. REFER TO 'HOLD-DOWN SCHEDULE' FOR ANCHOR SIZE AND TYPES. ANCHOR WALL SILL PLATES TO FOUNDATION AS PER 'TYPICAL EXTERIOR WALL ANCHORING' DETAIL. INTERIOR GYPSUM WALL BOARD SHEATHING AS PER ARCHITECTURAL DRAWINGS.

NOTE: SHEAR WALLS ARE SHOWN SHADED ON PLANS

MINIMUM SHEATHING REQUIREMENTS

MATERIAL: CONSTRUCTION SHEATHING PLYWOOD IN ACCORDANCE WITH CAN/CSA 0151.

ROOFS: 16mm THICK 5-PLY T&G PLYWOOD FOR ALL ROOFS (U.N.O.) ORIENTED AT 0° (EXTERIOR TYPE) WITH STAGGERED PATTERN. NAIL SHEATHING AT 152mm c/c ON PANEL EDGES AND AT 305mm c/c AT INTERMEDIATE FRAMING MEMBERS USING 64mm (2½") COMMON WIRE NAILS (8d).

BR'G WALLS: 12.7mm (U.N.O.) PLYWOOD SHEATHING FOR ALL BEARING WALLS (EXTERIOR TYPE FOR EXTERIOR WALLS), WITH LONG DIMENSION LAID HORIZONTALLY AND ENDS STAGGERED 1220mm (4'-0") c/c. FASTEN SHEATHING WITH 63.5mm (2.5") LONG x 3.05mm# (0.120") MIN. NAILS AT 152mm (6") c/c MIN. AT ALL PANEL EDGES AND AT 305mm (12") c/c ALONG INTERMEDIATE WALL STUDS. BLOCK PANEL EDGES.

GENERAL NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, ELEVATIONS, SLOPES AND/OR CONSTRUCTION DETAILS. REPORT ANY DISCREPANCIES TO OWNER AND/OR CONSULTANT.
- THESE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL SPECIFICATIONS.
- NO HOLES ARE PERMITTED IN THE SHEAR WALLS (OTHER THAN THOSE SHOWN ON THESE PROJECT DRAWINGS), WITHOUT THE CONSENT OF THE CONSULTING ENGINEER.

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	R.C.	2021-06-18

GENERAL NOTES:

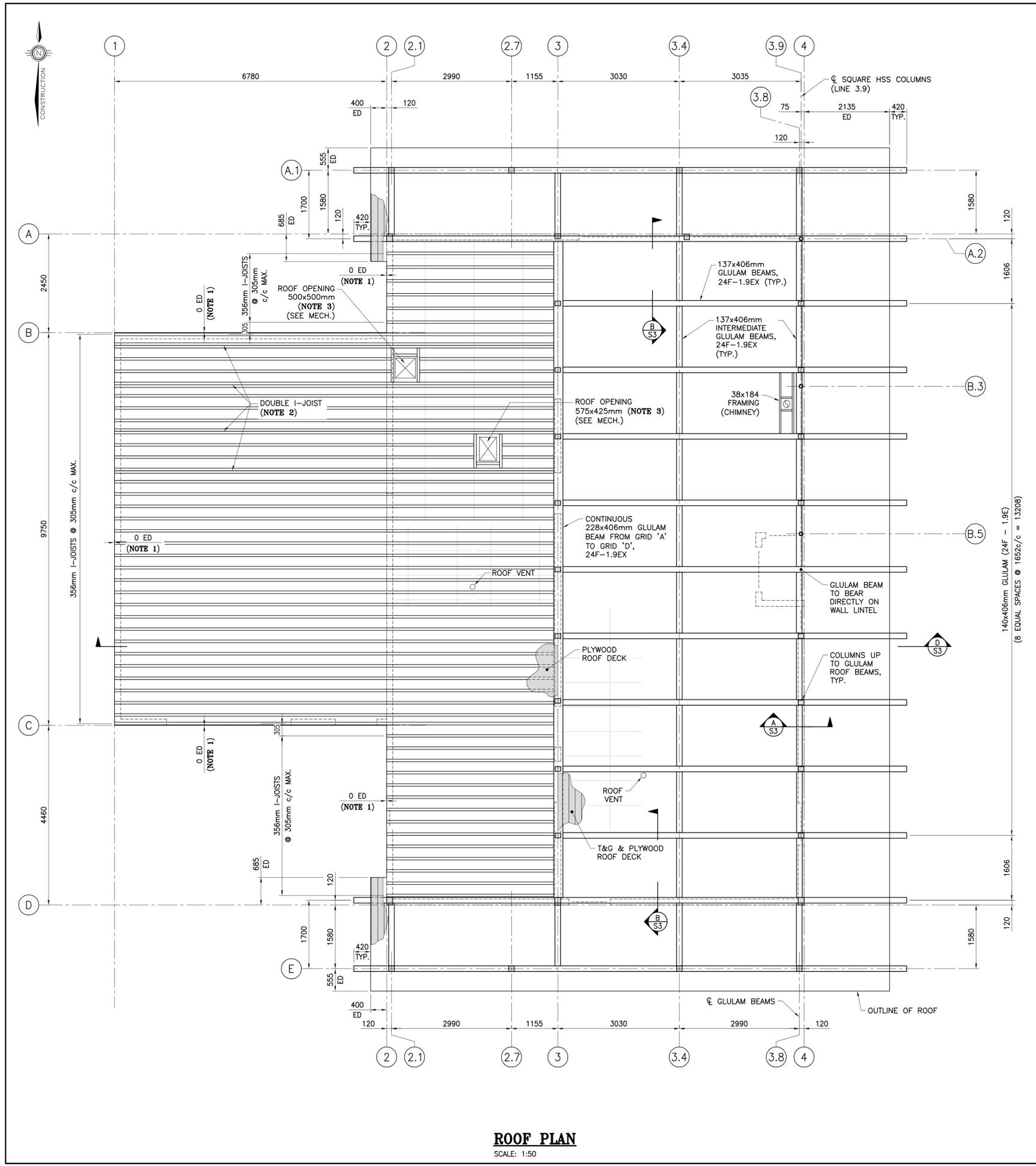
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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

DRAWING TITLE:
PARK CENTER BUILDING -STRUCTURAL- PLAN VIEW & SCHEDULES

DESIGN: M. BOUDREAU APPROVED: --
DRAWN: R. COUTURE DATE: JUNE 2021
VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO.: **9223-18-00** DRAWING NO.: **S1B**



ROOF JOISTS DESIGN LOADS	
(AS PER PART 4 OF THE NBC OF CANADA 2015, BUT WITH FOLLOWING UNFACTORED LOADS)	
DL ROOF:	1.6kPa (NOT INCLUDING JOISTS) TOP CHORD = 1.1kPa, BOTTOM CHORD = 0.5kPa ALL JOISTS SHALL BE DESIGNED FOR AN ADDITIONAL POINT LOAD OF 0.71kN ANYWHERE ON THEIR BOTTOM AND TOP CHORD (NON SIMULTANEOUSLY).
SL ROOF:	3.48kPa, UNO. (Ss = 3.6kPa, Sr = 0.6kPa, Cb = 0.8, Is=1.0)
ASL:	L/360

ARCHITECTS: **EVOOQ**

1435, RUE SAINT-ALEXANDRE, BUREAU 1000
MONTREAL (QUEBEC) H3A 2G4
T. 514-393-9490 F. 514-393-9498
info@evoqarchitecture.com

ENGINEERS: **ROY CONSULTANTS**

13, rue Costigan Street
Edmundston (NB) E3V 1W7
T. / 506.737.9730
ENGINEERING SERVICES D'INGENIERIE E. / 506.548.2207

REF: 493-18-4B

LANDSCAPE ARCHITECTS: **BDA Landscape Architects**

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

- SPECIFIC NOTES**
- ZERO EDGE OF DECK IS FOR THE PLYWOOD ATTACHED TO THE TOPS OF I-JOISTS. REFER TO ARCHITECTURAL FOR EDGE OF DECK ABOVE THE ROOF INSULATION.
 - DOUBLE I-JOIST AS PER TYP. CONSTRUCTION OF DOUBLE I-JOIST DETAIL ON DRAWING S4 AND AS PER JOIST MANUFACTURER. THESE DOUBLE I-JOISTS MAY BE REPLACED BY A GLULAM TRIMMER.
 - HEADERS AND CONNECTORS AS PER JOIST MANUFACTURER.

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	R.C.	2021-06-18
N°	REVISION:		

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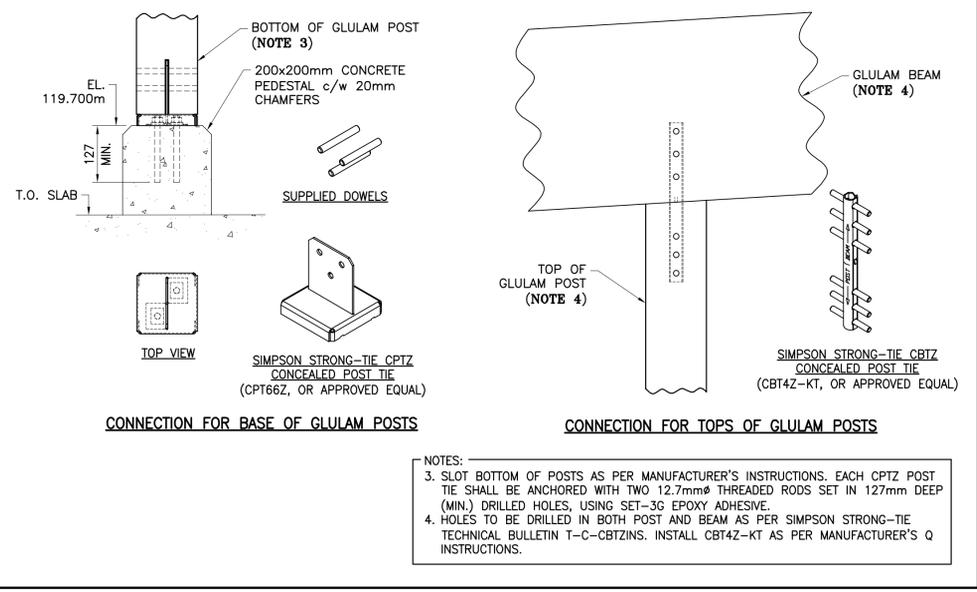
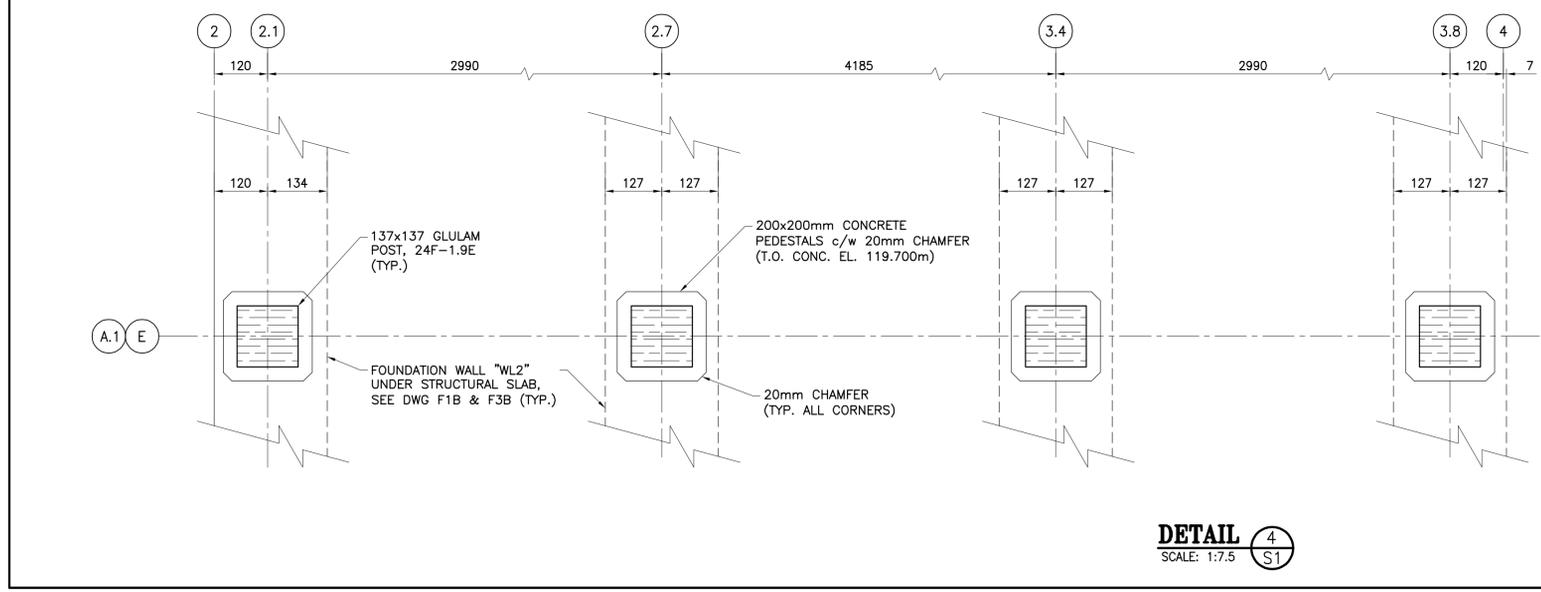
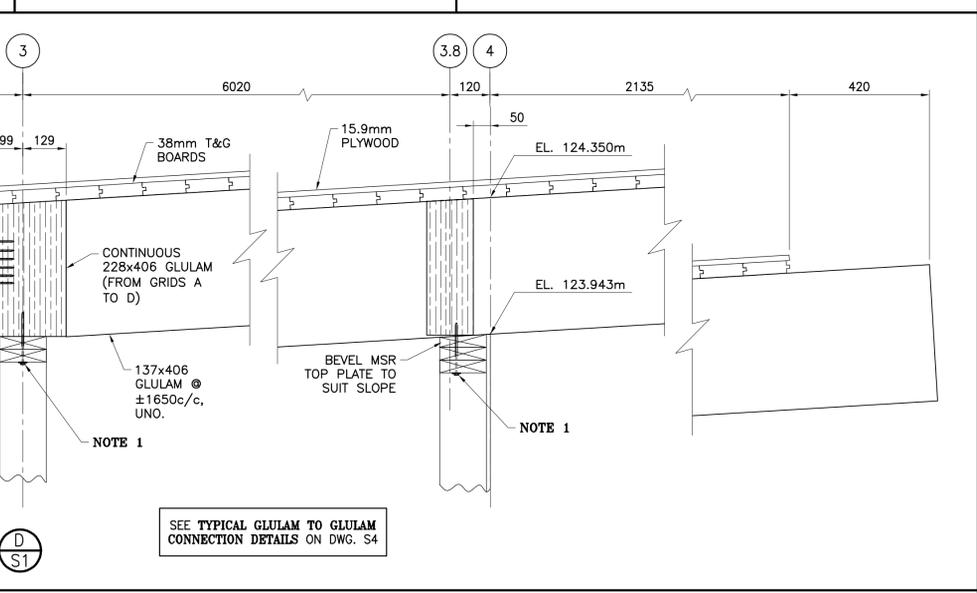
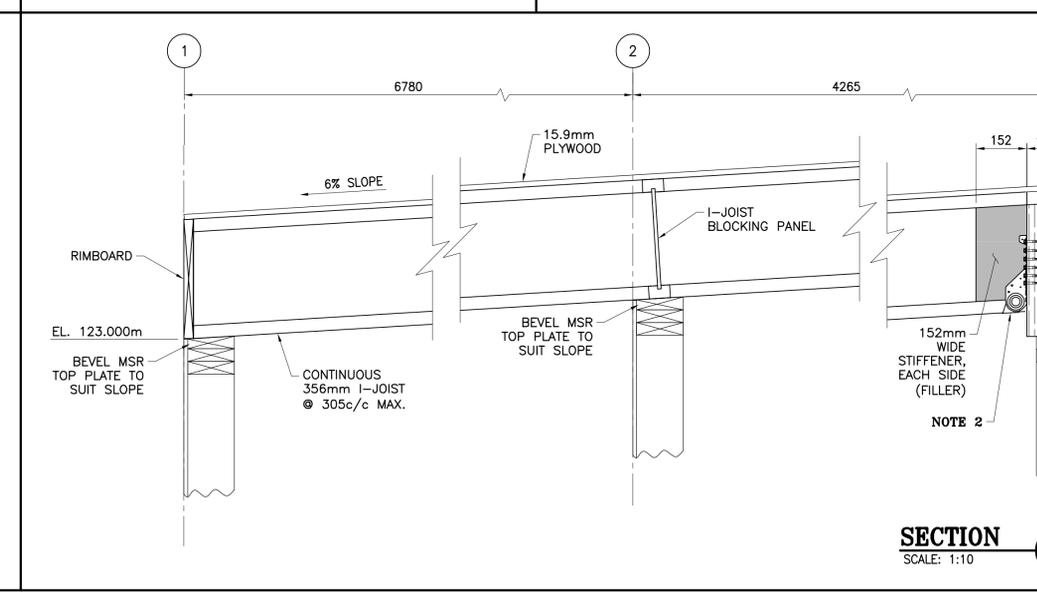
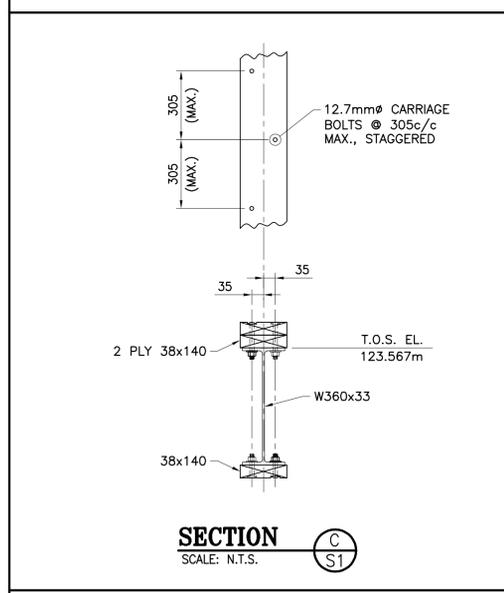
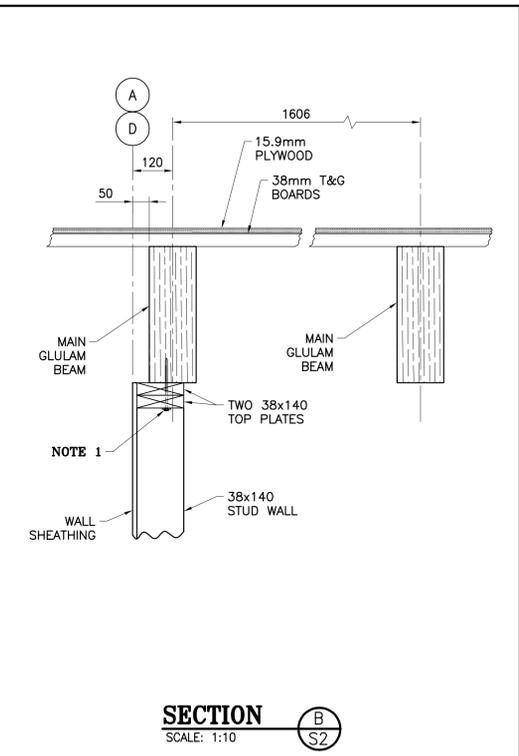
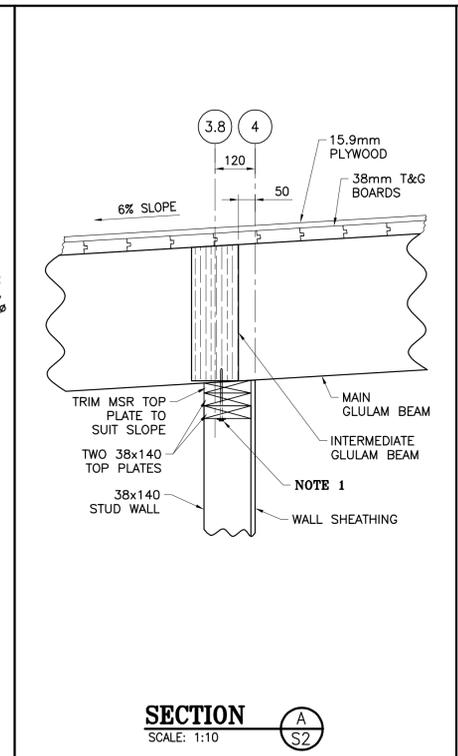
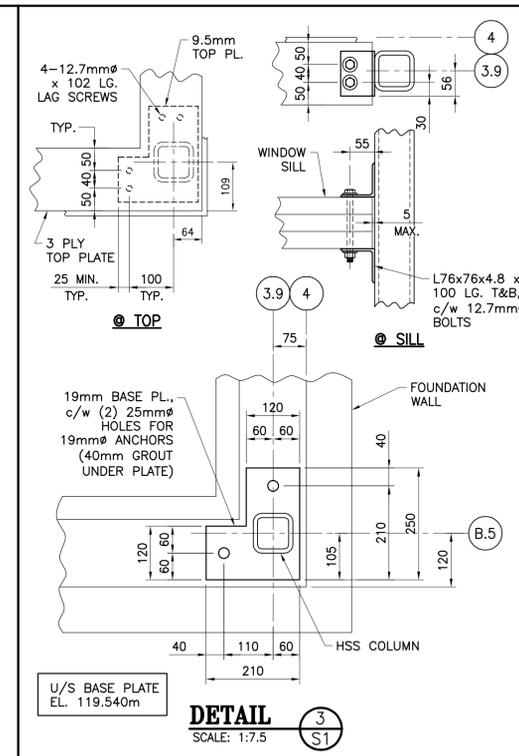
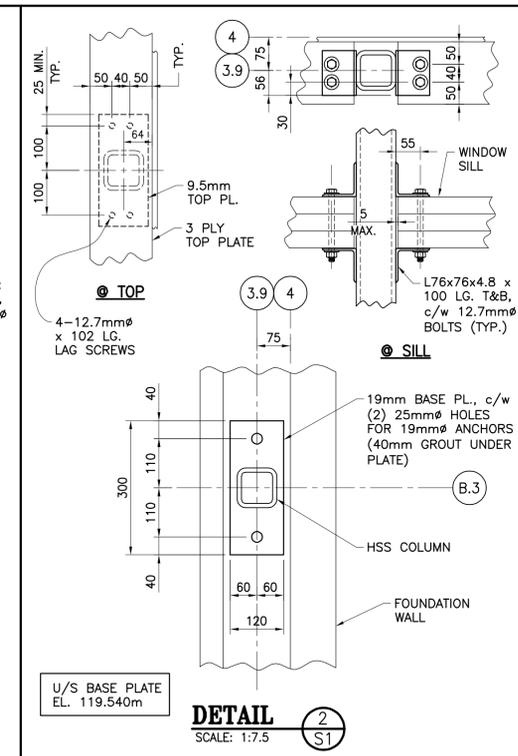
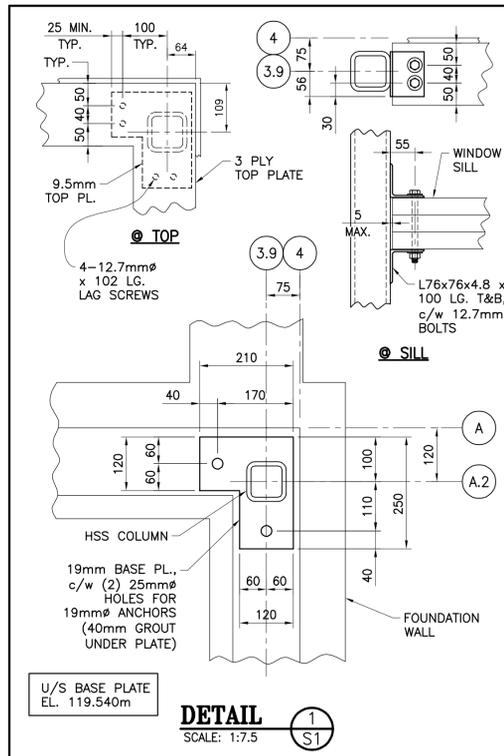
PROJECT:
KCIW KNICANEWEK SPORTS
AND RECREATION PARK -
PHASE 2 BUILDINGS
TOBIQUE FIRST NATION, NB

DRAWING TITLE:
PARK CENTER BUILDING
-STRUCTURAL-
ROOF PLAN & SECTIONS

DESIGN: M. BOUDREAU APPROVED: --
DRAWN: R. COULTURE DATE: JUNE 2021
VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO.: 9223-18-00 DRAWING NO.: S2B

ROOF PLAN
SCALE: 1:50



NOTES:
 3. SLOT BOTTOM OF POSTS AS PER MANUFACTURER'S INSTRUCTIONS. EACH CPTZ POST TIE SHALL BE ANCHORED WITH TWO 12.7mm THREADED RODS SET IN 127mm DEEP (MIN.) DRILLED HOLES, USING SET-3G EPOXY ADHESIVE.
 4. HOLES TO BE DRILLED IN BOTH POST AND BEAM AS PER SIMPSON STRONG-TIE TECHNICAL BULLETIN T-C-CBTZINS. INSTALL CBT4Z-KT AS PER MANUFACTURER'S Q INSTRUCTIONS.

- SPECIFIC NOTES**
- FASTEN PERIMETER GLULAMS (AT LINES A, D, 3 & 4) TO WALL TOP PLATES WITH 6.35mm x 152mm LG. LAG SCREWS @ 203mm c/c MAX. (LAG SCREWS MAY BE SUBSTITUTED WITH SDWC 15600 BY SIMPSON STRONG TIE).
 - CONNECT I-JOISTS TO CONTINUOUS GLULAM WITH LSSR2.56Z SLOPEABLE/SKEWABLE RAFTER HANGERS BY SIMPSON STRONG TIE.

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
A	ISSUED FOR 50% REVIEW	R.C.	2021-06-18
NF	DESCRIPTION	BY	DATE

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PROJECT:
 KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

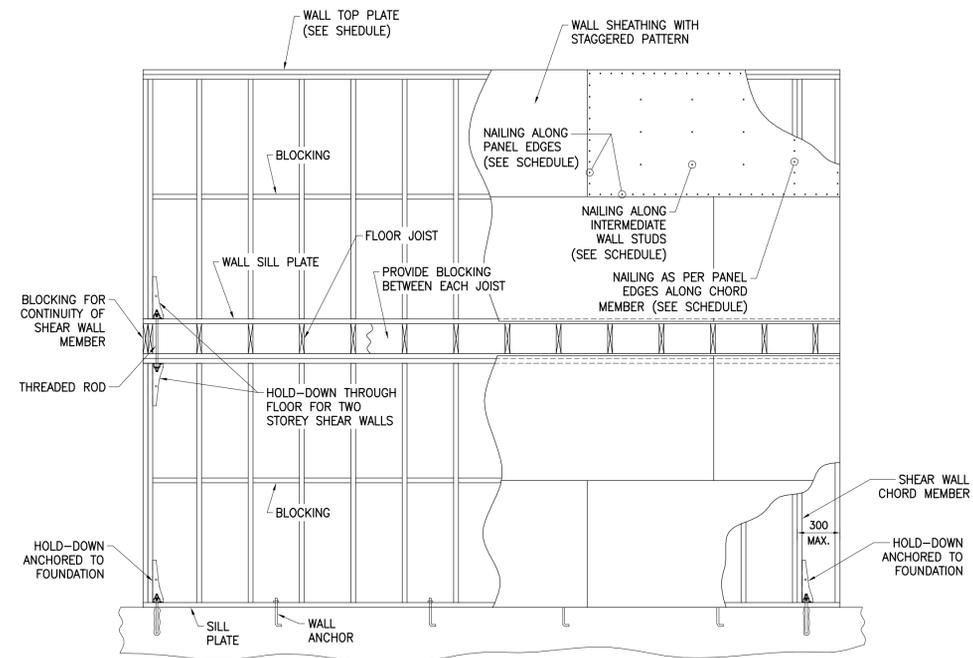
DRAWING TITLE:
 PARK CENTER BUILDING - STRUCTURAL - SECTIONS & DETAILS

DESIGN: M. BOUDREAU APPROVED: --

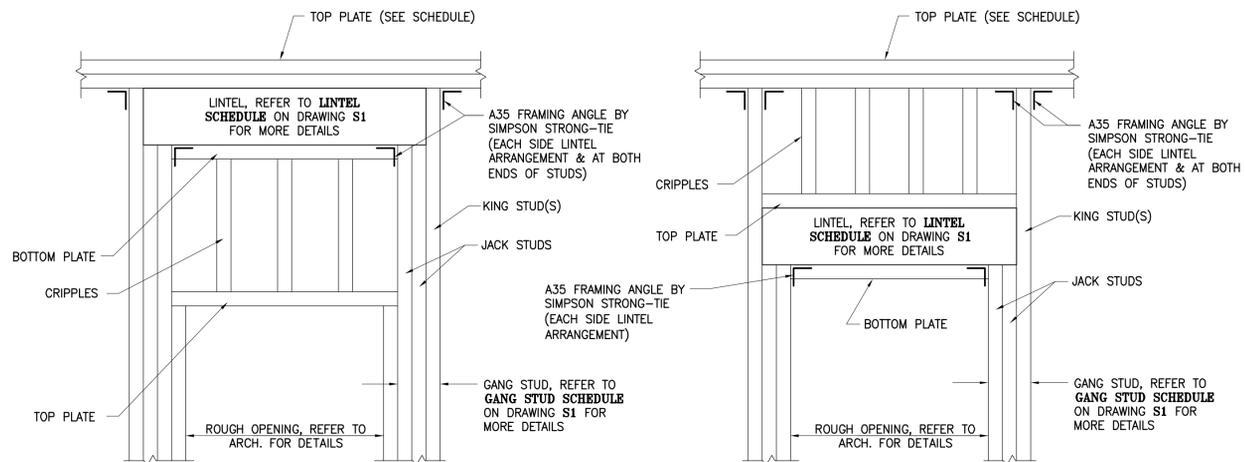
DRAWN: R. COULTURE DATE: JUNE 2021

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO.: 9223-18-00 DRAWING NO.: S3B



TYPICAL SHEAR WALL DETAIL
SCALE: N.T.S.

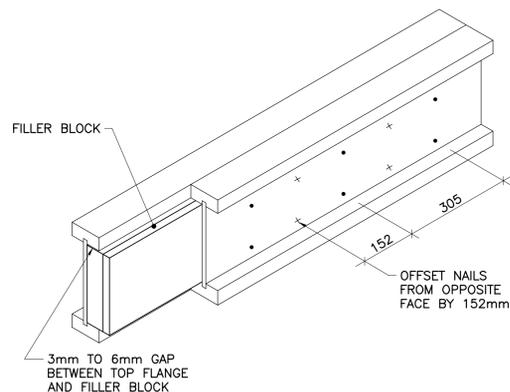


LINTEL ARRANGEMENT 'A'

LINTEL ARRANGEMENT 'B'

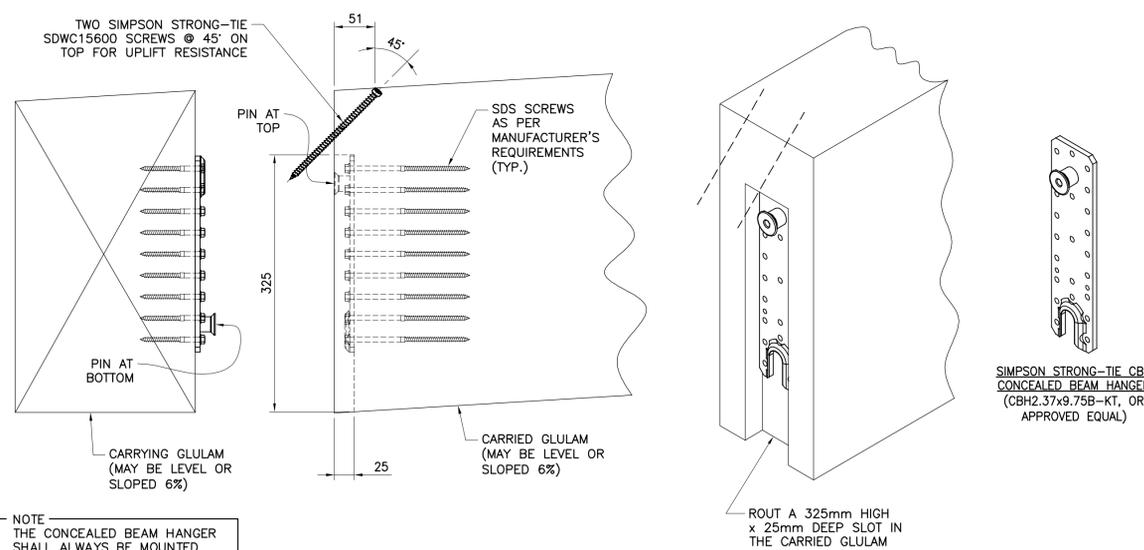
LINTEL ARRANGEMENTS
SCALE: N.T.S.

- NOTES
- WITH THE EXCEPTION OF DOORS, OPENING SILL SHALL BE FRAMED WITH (2) 38x140 SPF#2 UNO, c/w A35 FRAMING ANGLES AT ENDS.
 - WINDOWS ON LINES A & 4 REQUIRE (3) 38x140 SPF#2, c/w A35 FRAMING ANGLES AT ENDS.



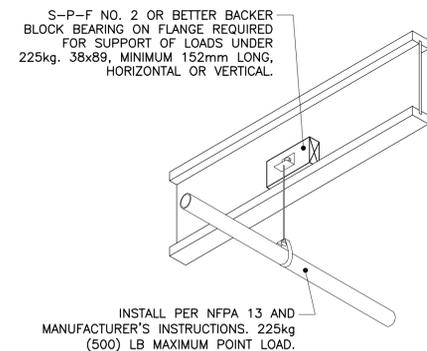
- NOTES
1. SUPPORT BACK OF I-JOIST WEB DURING NAILING TO PREVENT DAMAGE TO WEB/FLANGE CONNECTION.
 2. LEAVE A 3mm TO 6mm GAP BETWEEN TOP OF FILLER BLOCK AND BOTTOM OF TOP I-JOIST FLANGE.
 3. FILLER BLOCK IS REQUIRED BETWEEN JOISTS FOR FULL LENGTH OF SPAN.
 4. NAIL JOISTS TOGETHER WITH TWO ROWS OF 76mm NAILS AT 305mm O.C. (CLINCHED WHEN POSSIBLE) ON EACH SIDE OF THE DOUBLE I-JOIST (TOTAL OF FOUR NAILS PER 305mm).
 5. THE MAXIMUM FACTORED LOAD THAT MAY BE APPLIED TO ONE SIDE OF THE DOUBLE I-JOIST USING THIS DETAIL IS 12.6Kn/m (860 LBF/FT.).

TYP. CONSTRUCTION OF DOUBLE I-JOIST
SCALE: N.T.S.



NOTE
THE CONCEALED BEAM HANGER SHALL ALWAYS BE MOUNTED PLUMB, AND AS PER MANUFACTURER'S INSTRUCTIONS.

TYPICAL GLULAM TO GLULAM CONNECTION DETAILS
SCALE: N.T.S.



HANGING ELEC./MECH. LOADS TO I-JOISTS
SCALE: N.T.S.

NO.	DESCRIPTION	DATE
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N°	REVISION:	BY DATE

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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

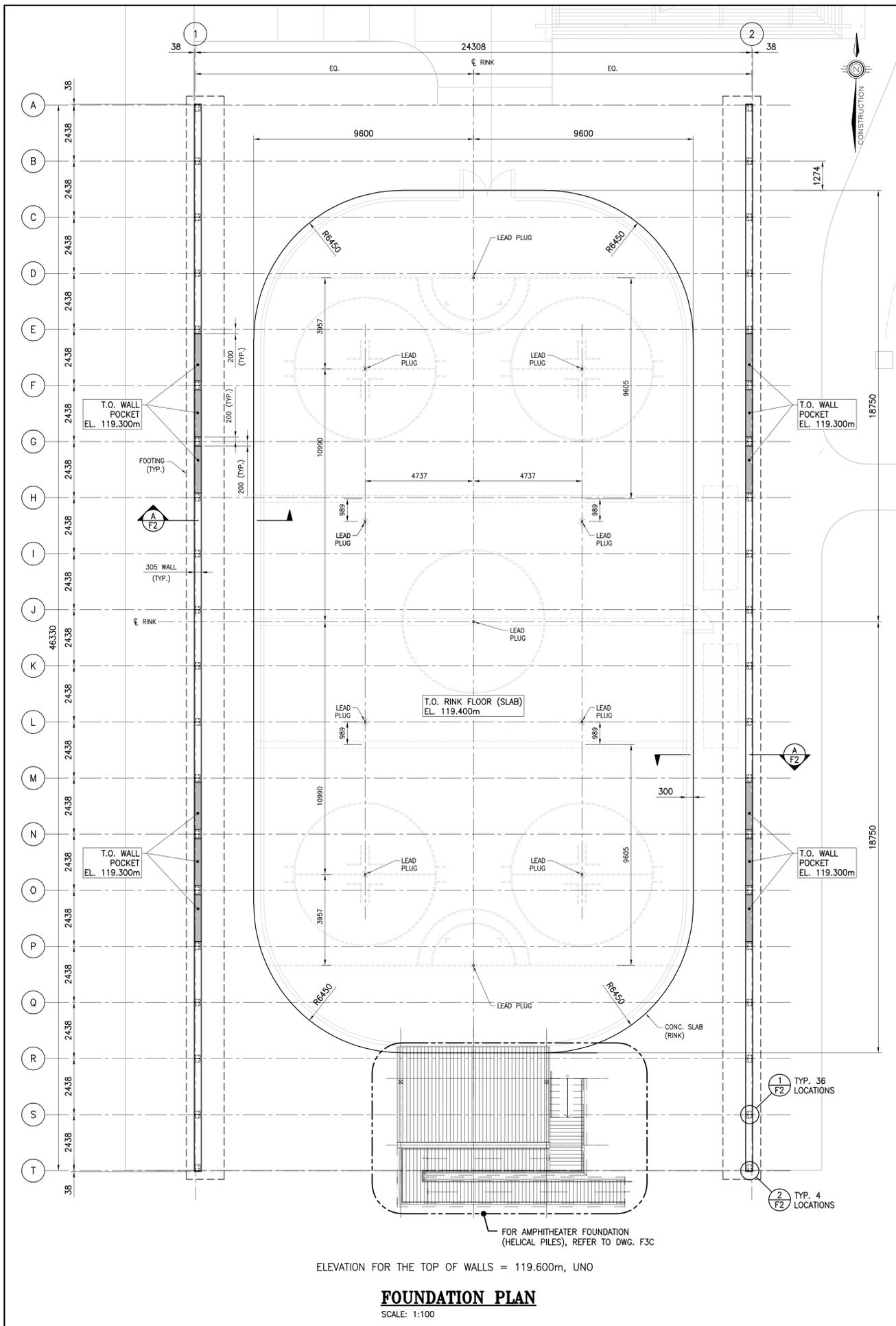
DRAWING TITLE:
PARK CENTER BUILDING -STRUCTURAL- DETAILS

DESIGN: M. BOUDREAU APPROVED: --

DRAWN: R. VALDRON DATE: JULY 2021

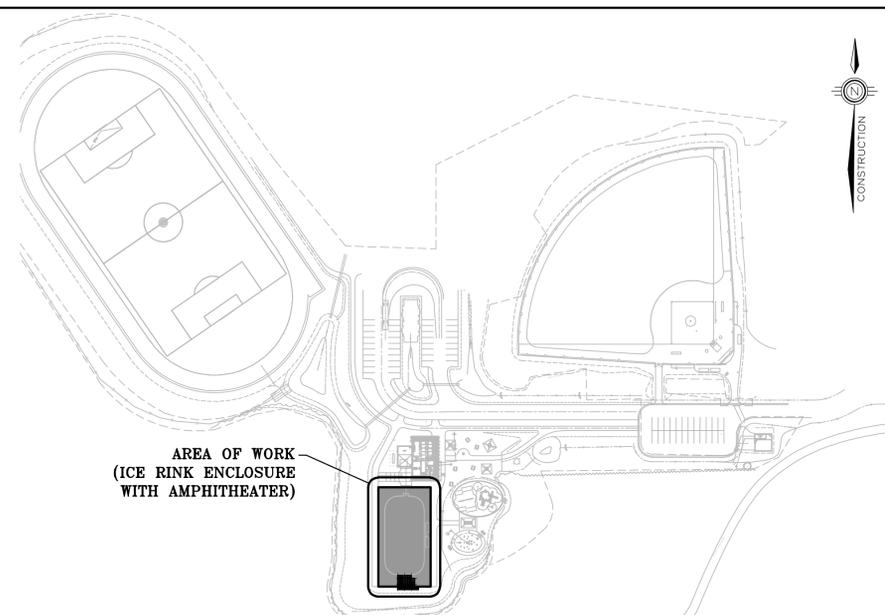
VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT N°: 9223-18-00 DRAWING N°: S4B

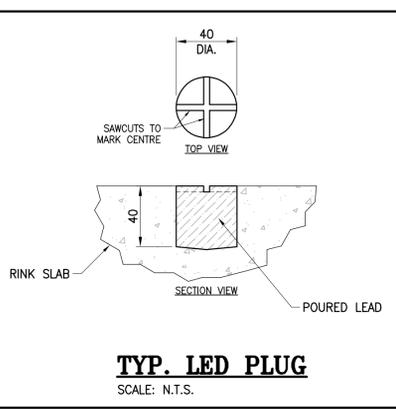


ELEVATION FOR THE TOP OF WALLS = 119.600m, UNO

FOUNDATION PLAN
SCALE: 1:100



LOCATION PLAN
SCALE: N.T.S.



TYP. LED PLUG
SCALE: N.T.S.

GENERAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING, AND THE REMOVAL OF ALL EXISTING MATERIALS AND INSTALLATIONS NECESSARY FOR THE EXECUTION OF THE WORK DESCRIBED BELOW OR SHOWN ON THESE STRUCTURAL DRAWINGS. ALL REMOVED MATERIALS ARE TO BE DISPOSED OF IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION, UNLESS INDICATED OTHERWISE BY OWNER AND/OR TENANT.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATIONS, ELEVATIONS AND/OR CONSTRUCTION DETAILS. REPORT ANY DISCREPANCIES TO THE CONSULTANT. DO NOT SCALE ON THESE STRUCTURAL DRAWINGS.
- ALL WORK SHALL BE PERFORMED AND COMPLETED TO THE STANDARDS OF MATERIALS AND WORKMANSHIP AS PER THE NATIONAL BUILDING CODE OF CANADA (NBC), 2015, INCLUDING ALL CORRECTIONS AND REVISIONS TO DATE. ALL WORK AND INSTALLATIONS SHALL ALSO COMPLY TO APPLICABLE MUNICIPAL AND PROVINCIAL REGULATIONS. IN THE ABSENCE OF SPECIFIC REQUIREMENTS IN THE ABOVE, WORK SHALL CONFORM TO SOUND BUILDING PRACTICE AND QUALITY WORKMANSHIP.
- THESE STRUCTURAL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH STRUCTURAL SPECIFICATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENING DIMENSIONS AND LOCATIONS.
- SEE MECH. FOR LOCATION OF REQUIRED SLEEVES THROUGH FOUNDATION WALL. OPENING SHALL BE 150mmØ OR LESS (UNLESS APPROVED BY CONSULTANT) AND SHOULD NOT INTERRUPT REINFORCEMENT BARS.
- TYPICAL STEEL REINFORCEMENT COVER TO BE 40mm U.N.O.
- FOR ICE RINK & AMPHITHEATER, REFERENCE ELEVATIONS ARE AS PER CIVIL AND LANDSCAPE ARCH. (BDA). THEY DIFFER FROM BUILDING ARCH. (EVOQ) ELEVATIONS.

ARCHITECTS:

EVOQ

1435, RUE SAINT-ALEXANDRE, BUREAU 1000
MONTREAL (QUEBEC) H3A 2G4
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info@evoqarchitecture.com

ENGINEERS:

13, rue Costigan Street
Edmundston (NB) E3V 1W7
T. / 506.7373730
ENGINEERING SERVICES D'INGÉNIERIE E. / 506.548.2207

REF: 493-18-4C

LANDSCAPE ARCHITECTS:

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

NO.	ISSUED TENDER	R.V.	2022-05-30
N°:	DESCRIPTION:	BY	DATE

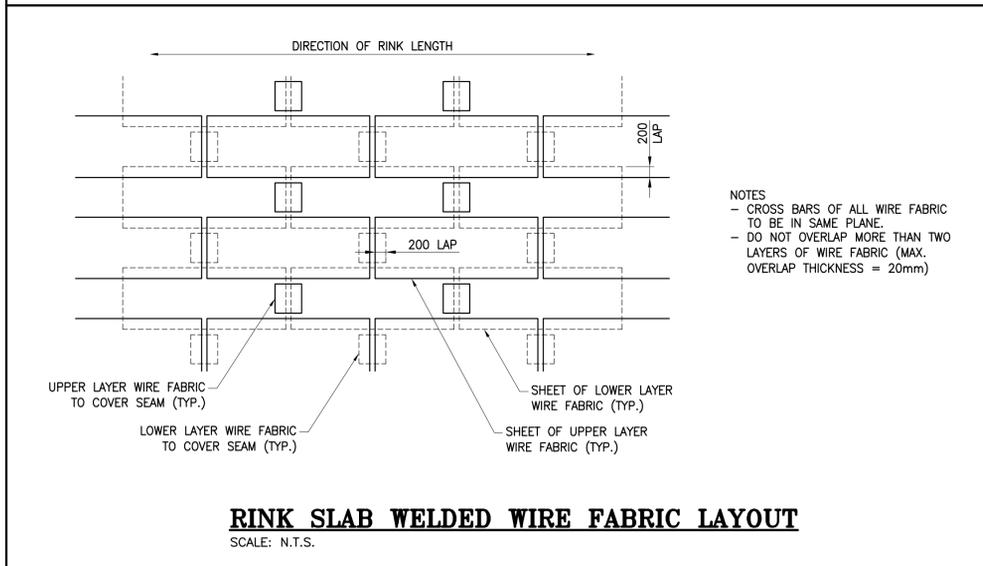
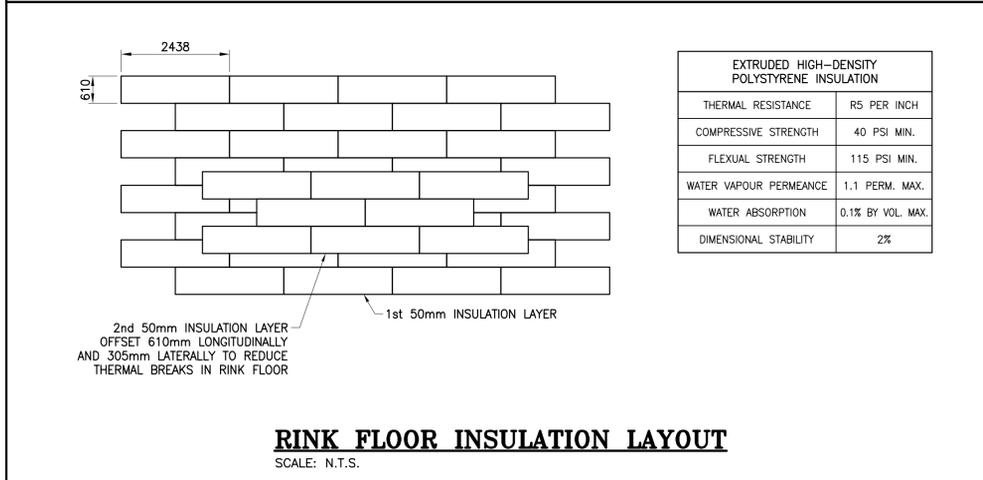
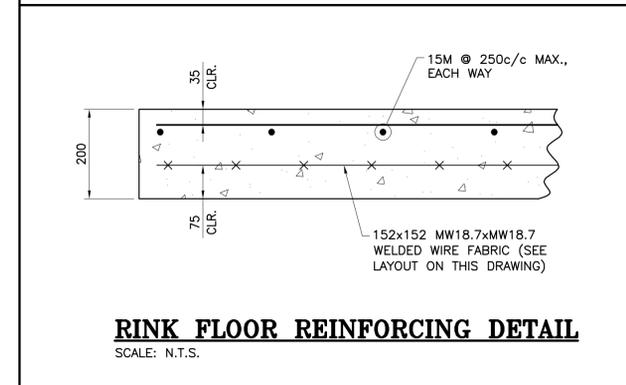
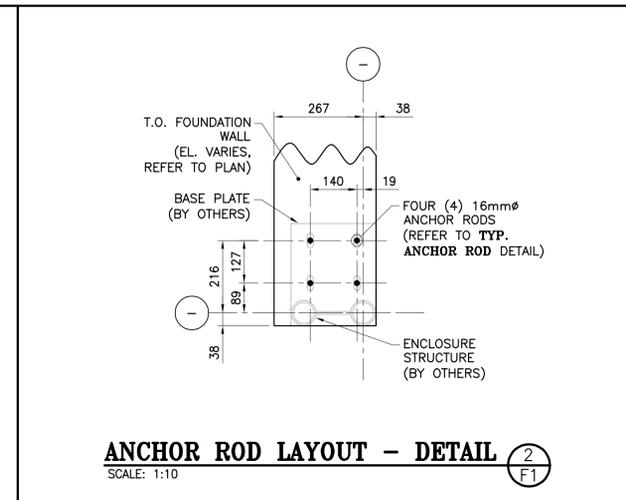
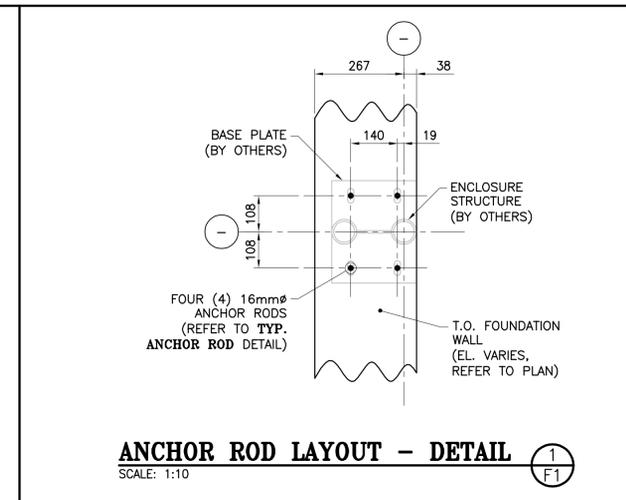
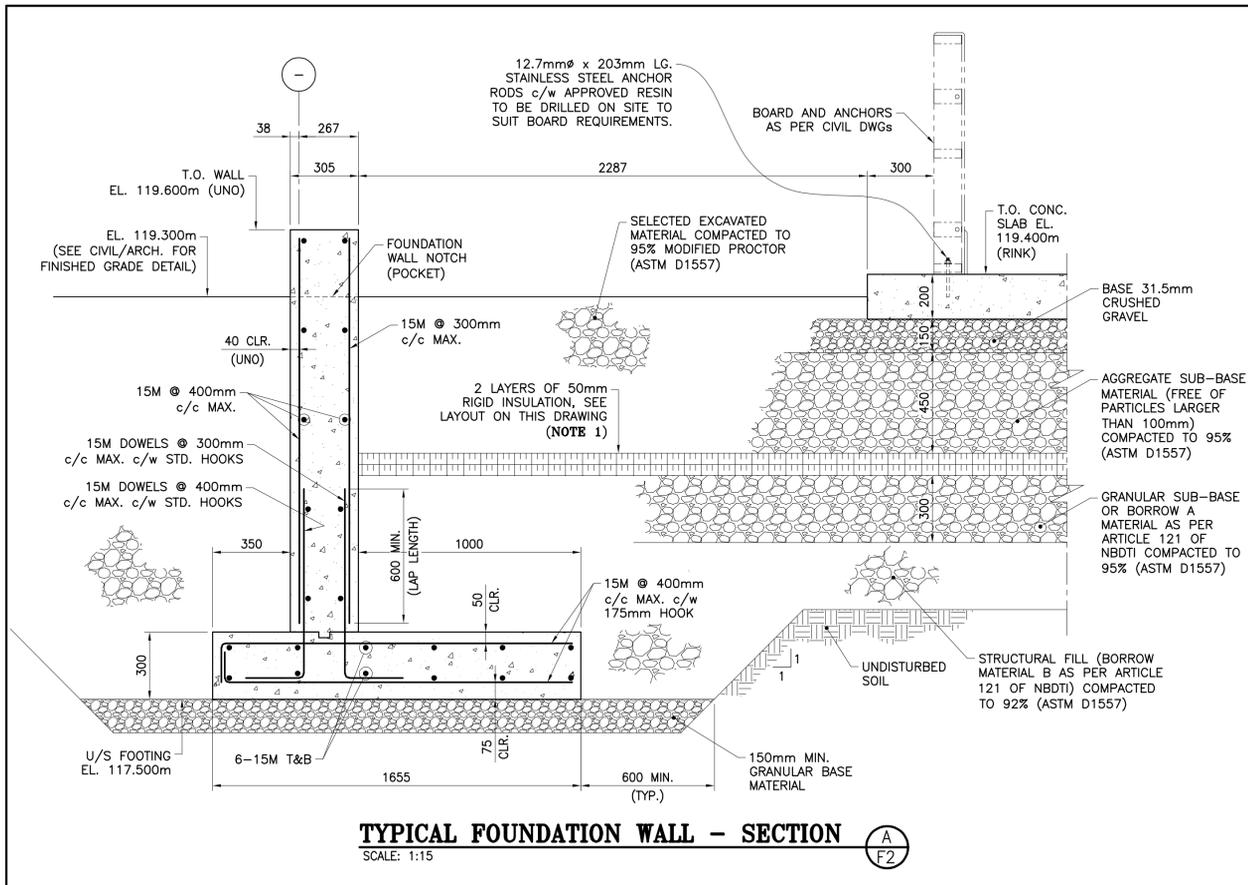
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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

DRAWING TITLE:
ICE RINK ENCLOSURE BLDG. WITH AMPHITHEATER - FOUNDATION - PLAN VIEW & DETAIL

DESIGN: M. BOUDREAU APPROVED: -
DRAWN: R. COULTURE DATE: JUNE 2021
VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT N°: 9223-18-00 DRAWING N°: F1C



ARCHITECTS:
EVOOQ
1435, RUE SAINT-ALEXANDRE, BUREAU 1000
MONTREAL (QUEBEC) H3A 2G4
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ENGINEERS:
ROY CONSULTANTS
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ENGINEERING SERVICES D'INGENIERIE E. / 506.548.2207

LANDSCAPE ARCHITECTS:
BDA Landscape Architects

CLIENT:
Red Island Contractors Inc.
305, Route 390, Tobique First Nation, NB, E7H 4P7

SPECIFIC NOTE
1. AT NORTH AND SOUTH END OF THE ENCLOSURE, EXTEND THE INSULATION 2400mm FURTHER THAN THE CONCRETE ICE SLAB AND ELSEWHERE. STOP THE INSULATION AT THE FOUNDATION WALL.

NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30

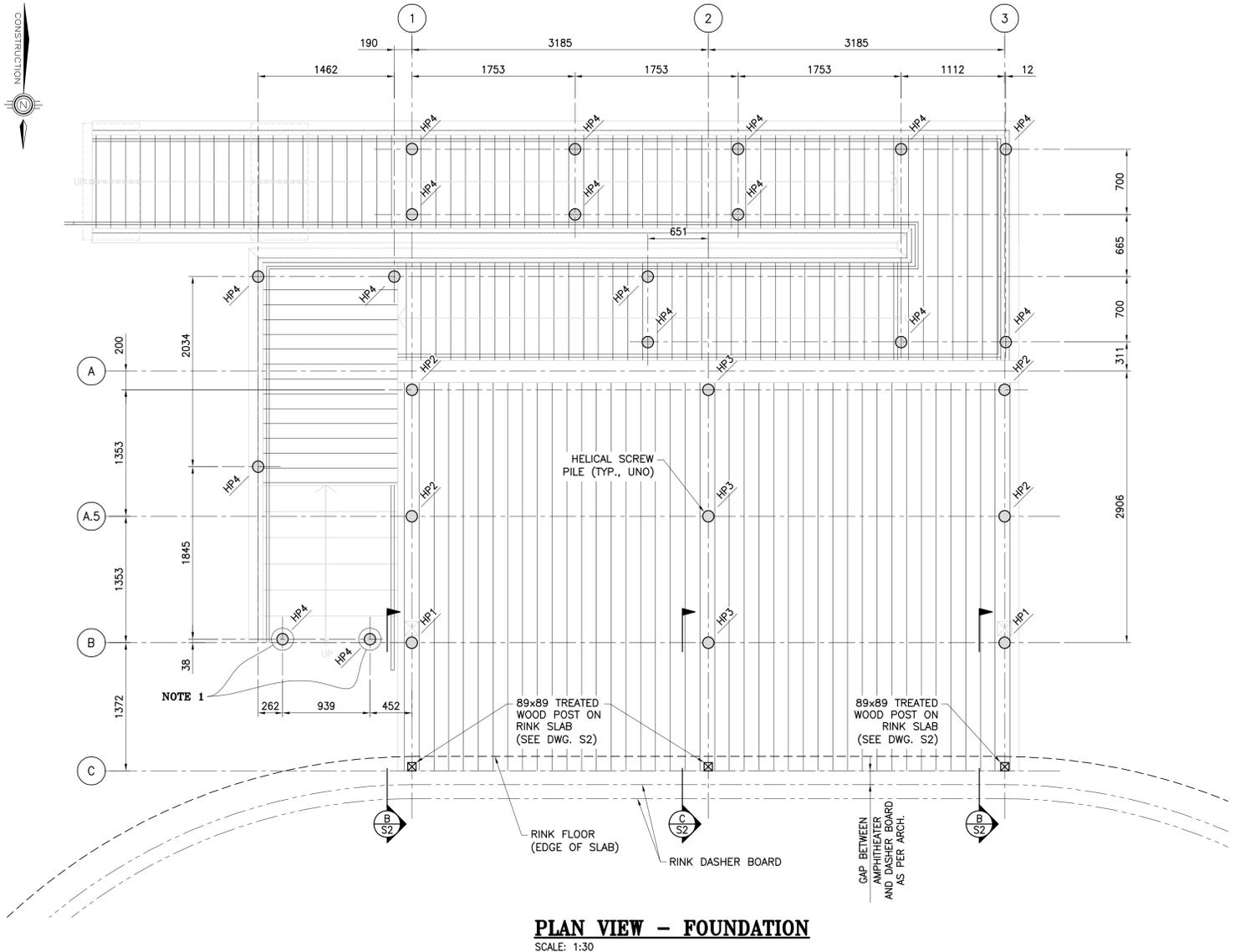
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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS TOBIQUE FIRST NATION, NB

DRAWING TITLE:
ICE RINK ENCLOSURE BLDG. WITH AMPHITHEATER - FOUNDATION - SECTIONS & DETAILS

DESIGN: M. BOUDREAU APPROVED: --
DRAWN: R. COULTURE DATE: JUNE 2021
VERIFIED: M. BOUDREAU SCALE: AS SHOWN

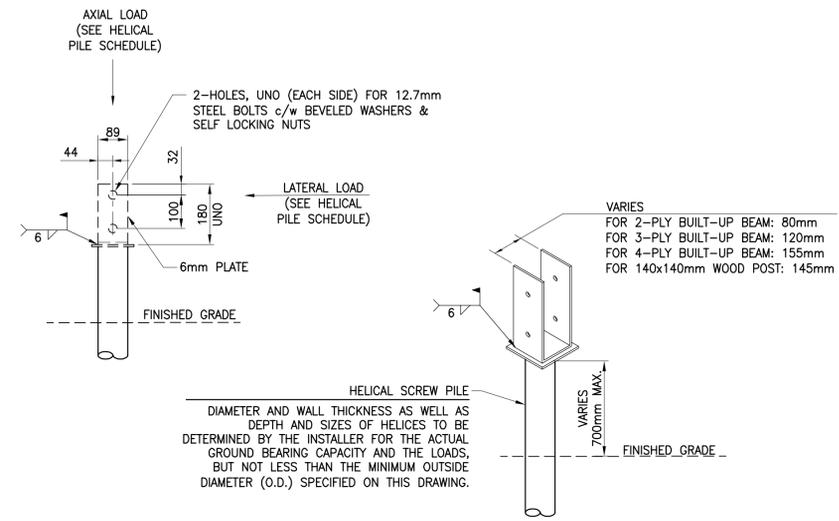
PROJECT NO.: 9223-18-00 DRAWING NO.: F2C



PLAN VIEW - FOUNDATION
SCALE: 1:30

DESIGNATION	AXIAL LOAD (kN) (+ COMPRESSION, - TENSION)		LATERAL LOAD (kN)		TOP OF PILE CONNECTOR ELEVATION (m) (TO BE COORDINATED WITH WOOD CONNECTOR SUPPLIER)	PILE HEAD WOOD CONNECTOR
	(SLS)	(ULS)	(SLS)	(ULS)		
HP1 (89mmØ MIN.)	47	71	1.5	5.0	119.500	U-BRACKET FOR WOOD POST (140x140)
HP2 (89mmØ MIN.)	19	29	1.0	8.0	119.969	U-BRACKET FOR WOOD 2 PLY BEAM
HP3 (89mmØ MIN.)	37	55	1.0	2.0	119.969	U-BRACKET FOR BUILT 3 PLY BEAM
HP4 (76mmØ MIN.)	15	25	1.0	4.0	VARIES AS PER RAMP REQUIREMENTS	U-BRACKET FOR BUILT 2 PLY BEAM

NOTES:
 - REFER TO SPECIFICATIONS FOR OTHER HELICAL PILE REQUIREMENTS.
 - MINIMUM DEPTH OF PILES TO BE 2.44m.
 - ALL STEEL SHALL BE HOT-DIP GALVANIZED.
 - COORDINATION WITH ELECTRICAL CONTRACTOR IS REQUIRED TO ENSURE TRENCHING IS DONE **AFTER** INSTALLATION OF PILES.



TYPICAL HELICAL PILE CONNECTION
SCALE: N.T.S.

SPECIFIC NOTE

1. THE HEIGHT OF THE ATTACHED 'U' PLATE FOR THESE PILES SHALL BE 140mm AND ONLY ONE HOLE AT THE CENTER.

NO.	DESCRIPTION	DATE
0	ISSUED TENDER	R.V. 2022-05-30
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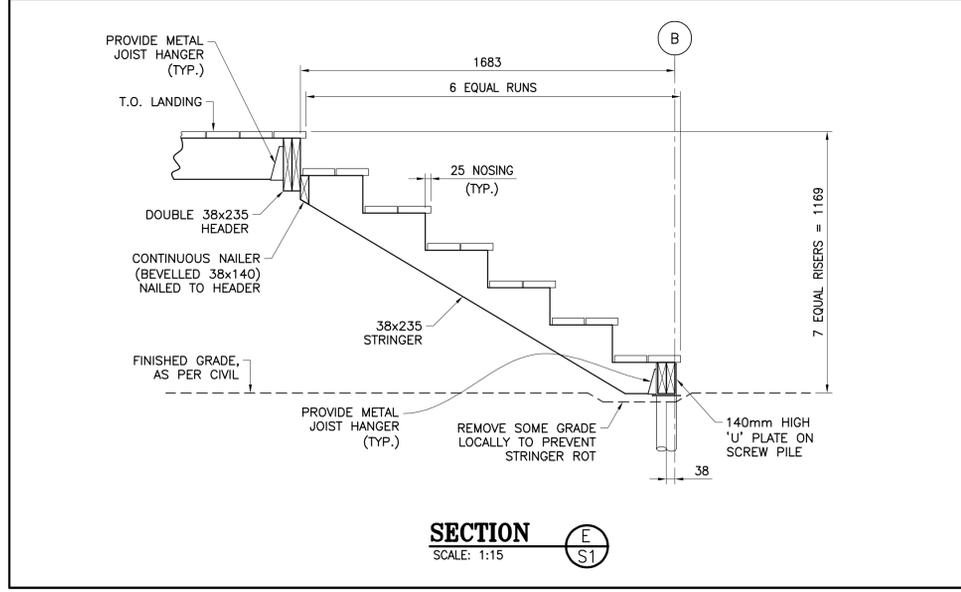
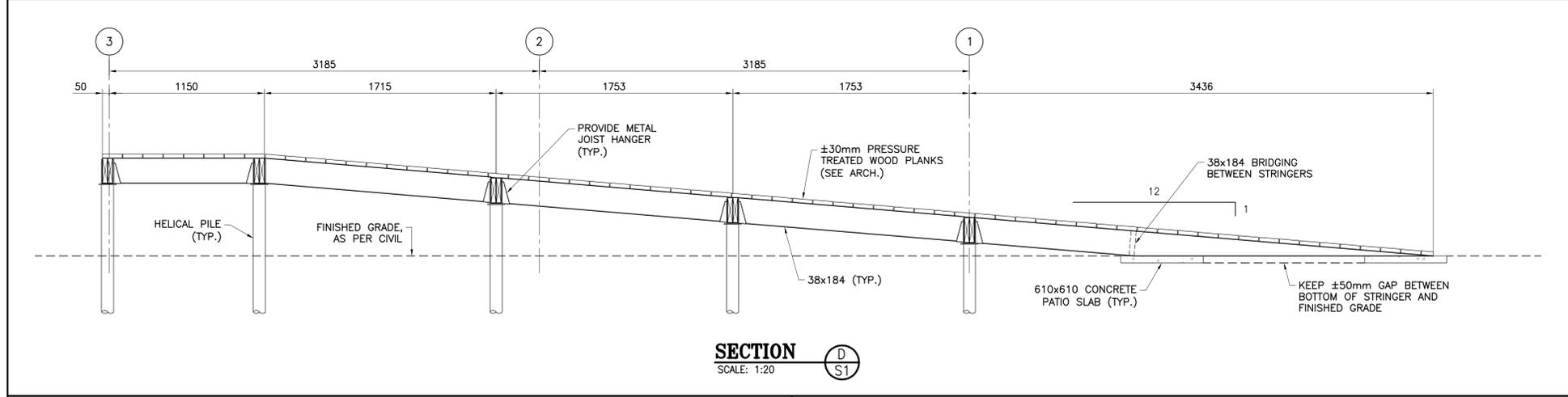
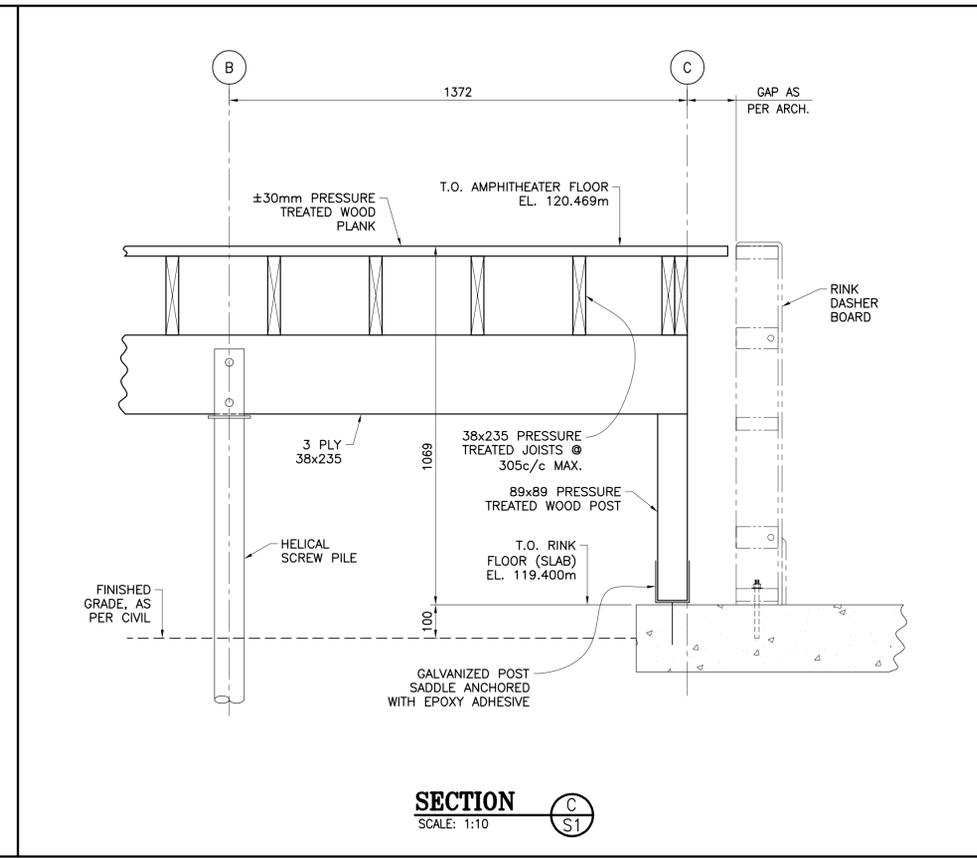
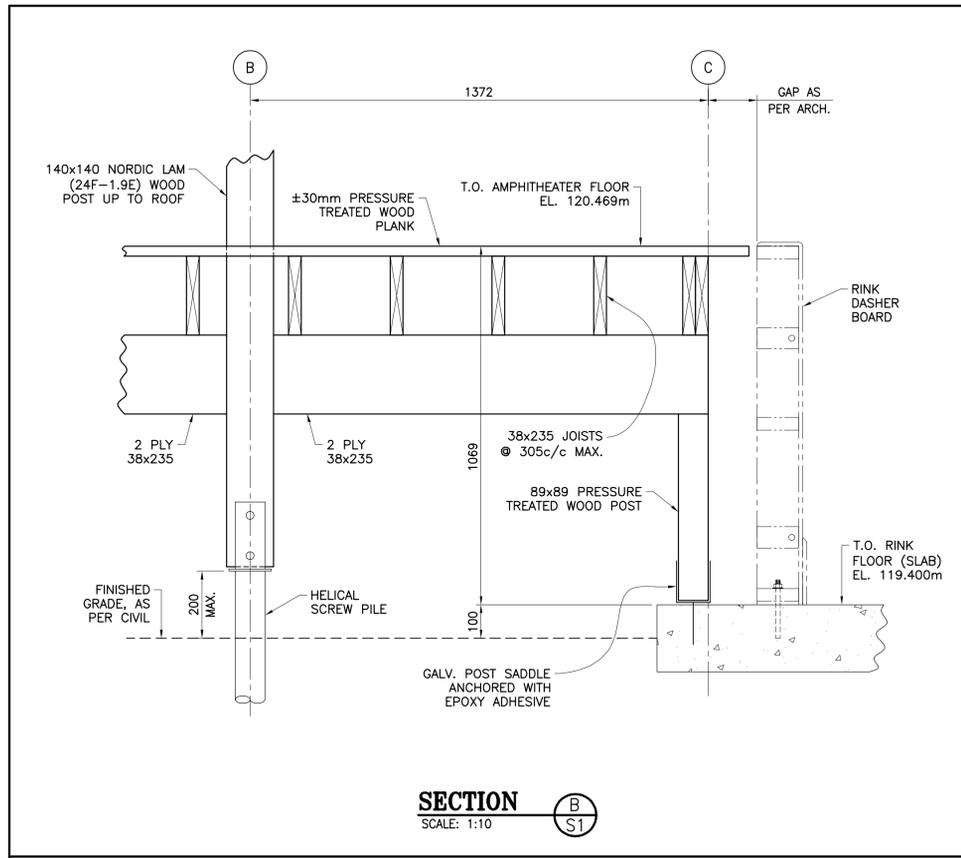
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PROJECT:
KCIW KNICANEWEK SPORTS AND RECREATION PARK - PHASE 2 BUILDINGS
 TOBIQUE FIRST NATION, NB

DRAWING TITLE:
AMPHITHEATER -FOUNDATION- PLAN VIEW & SECTIONS

DESIGN: M. BOUDREAU APPROVED: --
 DRAWN: R. VALDRON DATE: MAY 2022
 VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO.: **9223-18-00** DRAWING NO.: **F3C**



NO.	DESCRIPTION	BY	DATE
0	ISSUED TENDER	R.V.	2022-05-30
1			
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DRAWING TITLE:
AMPHITHEATER -STRUCTURAL- SECTIONS

DESIGN: M. BOUDREAU APPROVED: --

DRAWN: R. VALDRON DATE: MAY 2022

VERIFIED: M. BOUDREAU SCALE: AS SHOWN

PROJECT NO: **9223-18-00** DRAWING NO: **S2C**