CARLETON PLACE ARENA ADDITION AND RENOVATIONS

75 Neelin Street Carleton Place, Ontario

TAL-CO Building Innovations Limited
4728 Bank Street, Suite A
Gloucester, Ontario K1T 3W7
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Issue date: 4-Sep-20
Revision date: N/A
Revision #: N/A

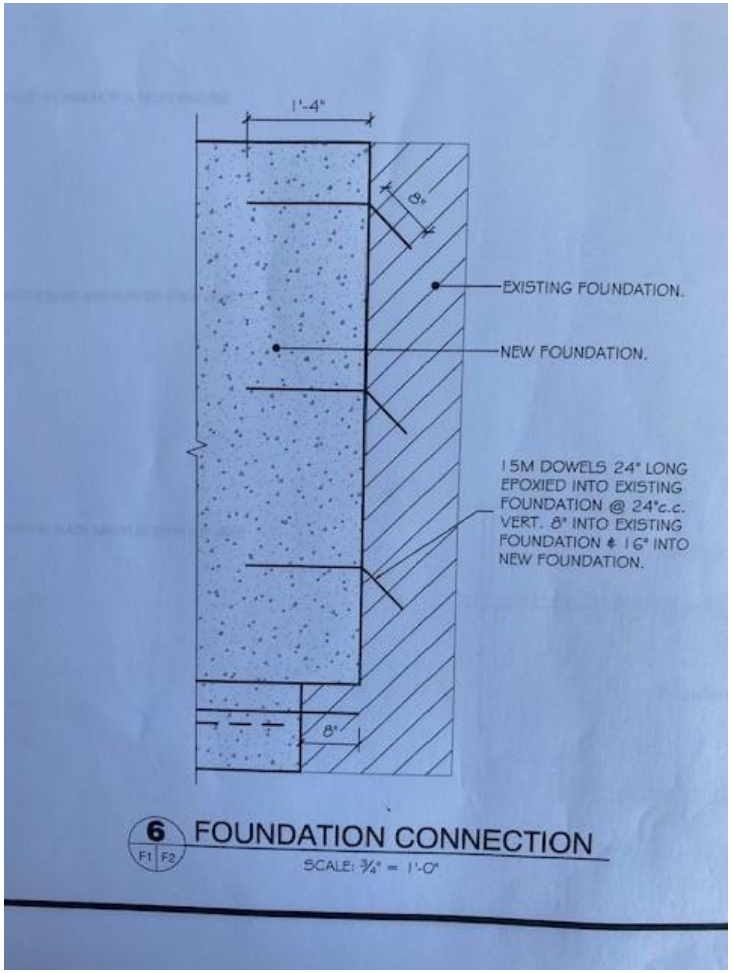
CIR #8 Detailed Summary

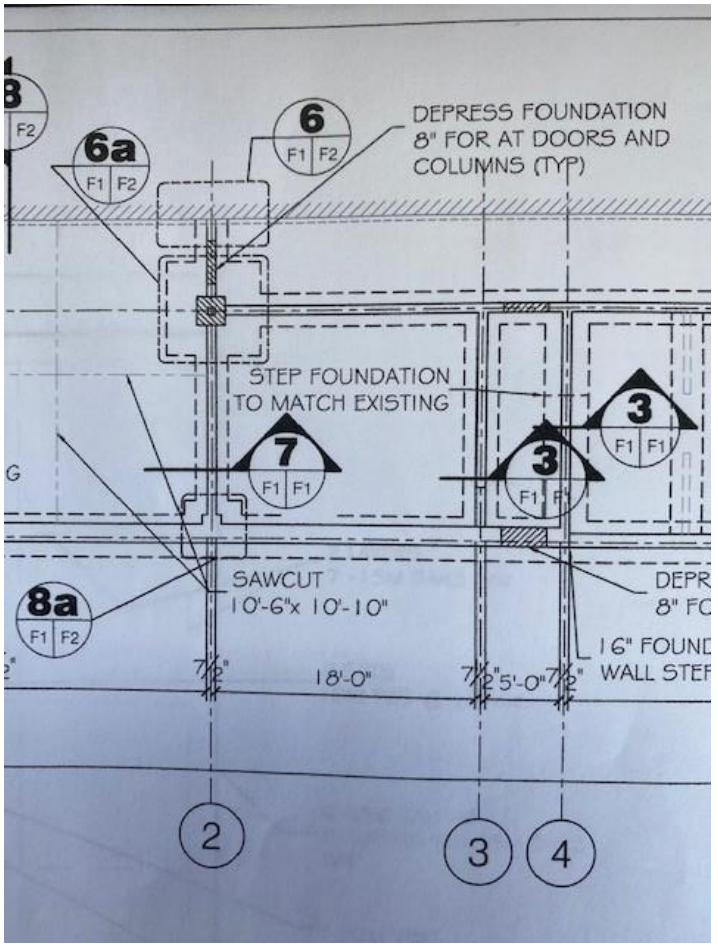
Questions:

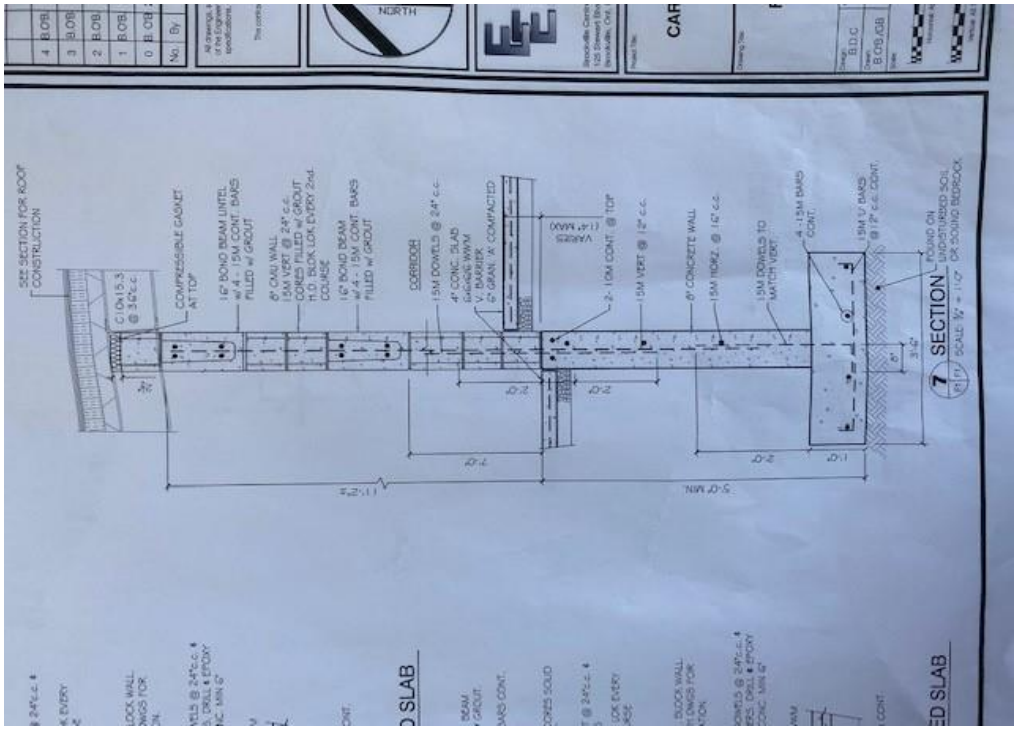
1. Elevation depth clarifications are required for Footing Pad **6a-F1/F2** on GL-2. According to the drawing details and cross sections, it appears that Footing Pad **6a-F1/F2** remains at the same typical 5'-0" frost-wall elevation as the rest of the new foundation wall systems. However, the actual detail indicates that this new footing pad is to be constructed on *"undisturbed soils or solid bedrock"* and not Engineered Backfill. Additionally, this new footing pad is extremely close to the existing building and detail **6-F1/F2** appears to indicate a tie-in at the existing footing depth.

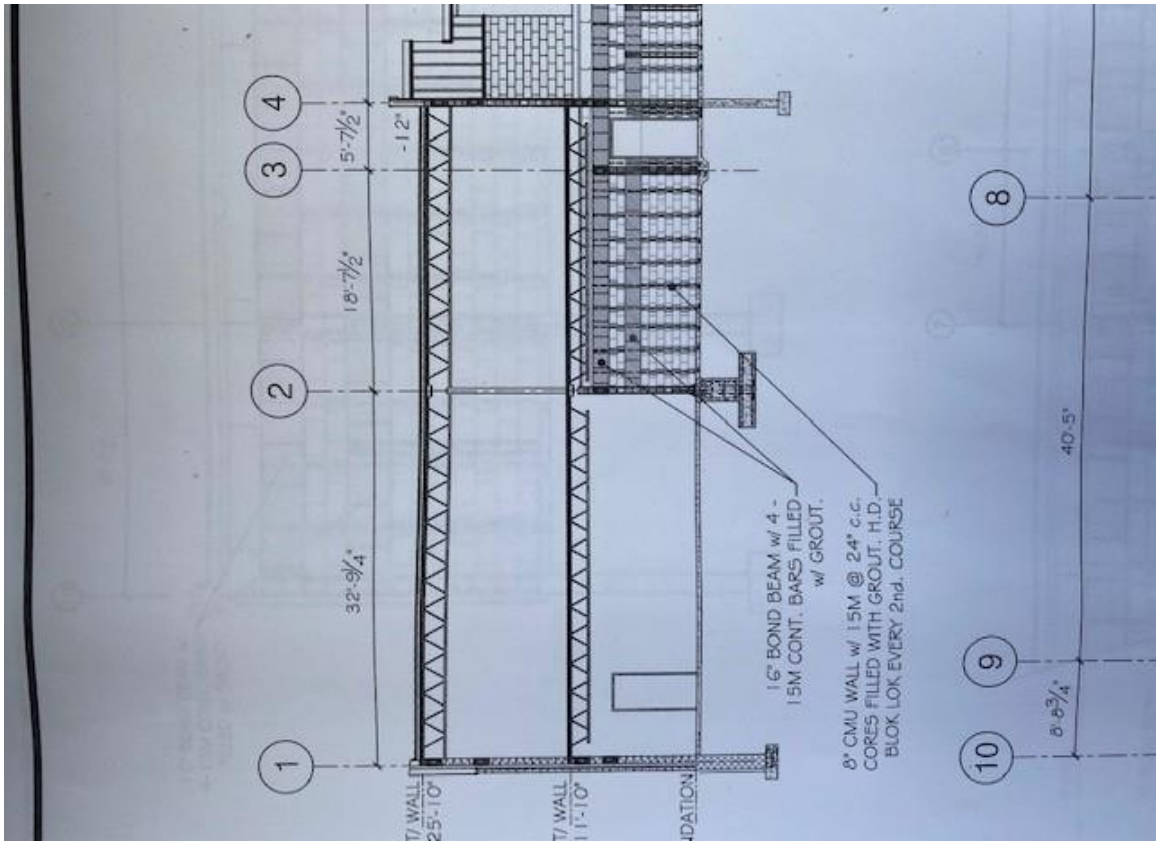
    a. Does the foundation wall system step down along GL-2 from GL-A towards the existing building so that Footing Pad **6a-F1/F2** is at the same depth elevation as the existing footings or does this wall system including this new footing pad stay at the typical 5'-0" frost wall depth and the foundation wall system past this new footing pad get tied into the existing foundations as per detail **6-F1/F2** at the existing footing depth?
    b. Note, there does not appear to be any step footings indicated for the foundations on GL-2, but there are for GL-4. Is the arrow on Drawing F1 pointing to the incorrect GL? If not, please clarify the requirement of step footings along GL-4 as these foundations do not tie-in to the existing foundations. As well, provide details of exactly where the foundations step down and then step back up again to meet with the typical 5'-0" frost wall foundations along GL-B (Detail 7-F1/F2).

2. Does the "L-shape" component at the bottom of Detail 6-F1/F2 represent the strip footing of the existing building foundations?


1'-4"
8"
EXISTING FOUNDATION.
NEW FOUNDATION.
15M DOWELS 24" LONG EPOXIED INTO EXISTING FOUNDATION @ 24"c.c. VERT. 8" INTO EXISTING FOUNDATION & 16" INTO NEW FOUNDATION.
8"
6 F1 F2 FOUNDATION CONNECTION
SCALE: 3/4" = 1'-0"


6a F1 F2
6 F1 F2
DEPRESS FOUNDATION 8" FOR AT DOORS AND COLUMNS (TYP)
STEP FOUNDATION TO MATCH EXISTING
7 F1 F1
3 F1 F1
3 F1 F1
8a F1 F2
SAWCUT 10'-6"x 10'-10"
18'-0"
7 1/2"
5'-0"
7 1/2"
2
3
4





End of CIR No. 8

LARRY GAINES • ARCHITECT

Old Town Hall
14 Bridge Street, PO 706
Almonte, Ontario
K0A 1A0

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gaines@bellnet.ca

CIR Response

CIR #08

To:

TALCO BUILDING INNOVATIONS LTD.
4728 Bank Street, Suite A
Ottawa, Ontario

Project: Carleton Place Arena
Renovation and Addition

Date: September 09, 2020

CIR Responses are issued only for the purpose of recording any clarification or interpretation of the contract documents or giving direction on problems resulting from field conditions. These instructions are subject to the provisions of the contract documents and unless stated herein and specifically co-authorized by the Client, will not affect the contract

REFERENCES:
CIR #07 submitted Sept. 04, 2020

PER: **Larry Gaines**
Architect

1. Elevation depth clarifications are required for Footing Pad **6a-F1/F2** on GL-2. According to the drawing details and cross sections, it appears that Footing Pad **6a-F1/F2** remains at the same typical 5'-0" frost-wall elevation as the rest of the new foundation wall systems. However, the actual detail indicates that this new footing pad is to be constructed on *"undisturbed soils or solid bedrock"* and not Engineered Backfill. Additionally, this new footing pad is extremely close to the existing building and detail **6-F1/F2** appears to indicate a tie-in at the existing footing depth.

The detail requires 5'-0" minimum, it can be deeper than this to suit the existing foundations. 5'-0" is the minimum frost depth but can go lower.

a. Does the foundation wall system step down along GL-2 from GL-A towards the existing building so that Footing Pad **6a-F1/F2** is at the same depth elevation as the existing footings or does this wall system including this new footing pad stay at the typical 5'-0" frost wall depth and the foundation wall system past this new footing pad get tied into the existing foundations as per detail **6-F1/F2** at the existing footing depth?

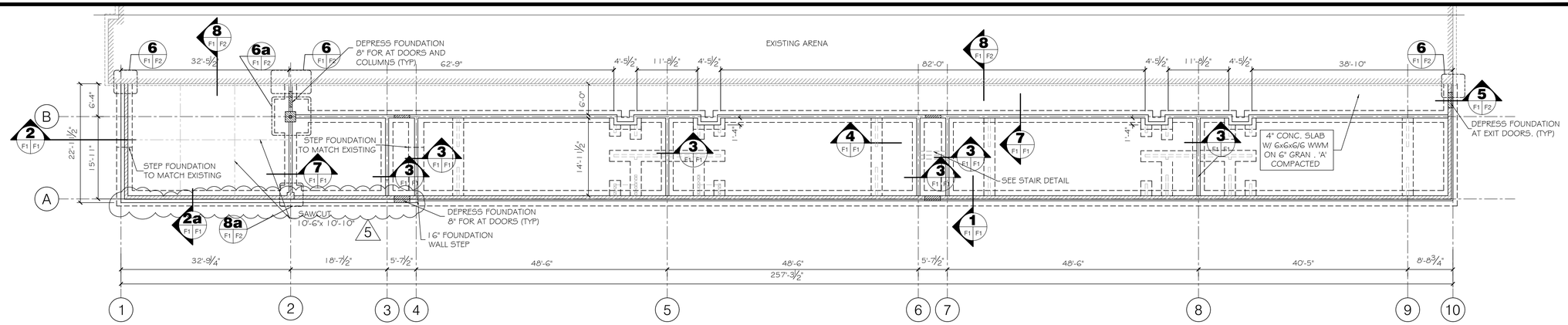
Foundation steps are arbitrarily shown near the existing foundation to indicate to the concrete that the footing must be stepped to match the existing footing elevation. The footing must be found on undisturbed native soil which will only be encountered at the existing footing elevation. The contractor can shift the location of the steps to accommodate how they would like to execute the pour, however the maximum 24"x24" step must be maintained. We expect that Pier 6a will need to be lower.

b. Note, there does not appear to be any step footings indicated for the foundations on GL-2, but there are for GL-4. Is the arrow on Drawing F1 pointing to the incorrect GL? If not, please clarify the requirement of step footings along GL-4 as these foundations do not tie-in to the existing foundations. As well, provide details of exactly where the foundations step down and then step back up again to meet with the typical 5'-0" frost wall foundations along GL-B (Detail 7-F1/F2).

All foundations that must be over excavated to encounter native soil or tie into the existing foundation will need to be steeped. It is likely that the original foundation excavation included portions of the building receiving new foundation wall. Undisturbed soil will likely be at the existing footing elevation.

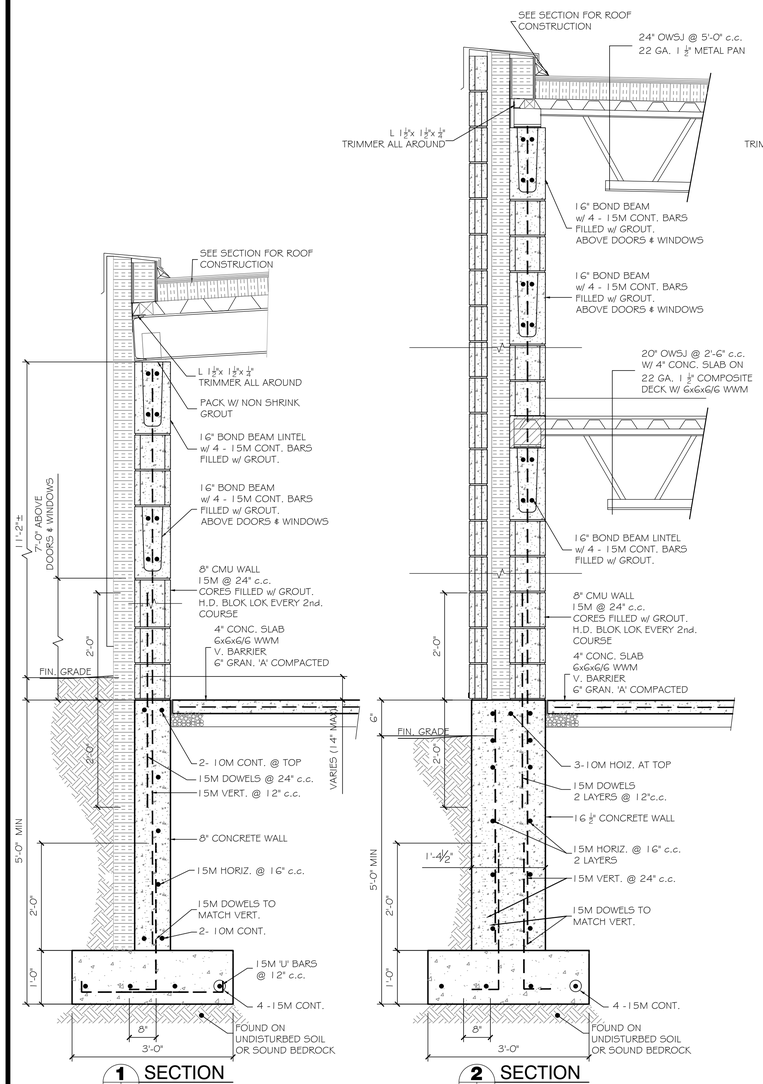
2. Does the "L-shape" component at the bottom of Detail 6-F1/F2 represent the strip footing of the existing building foundations?

Yes. The "bump out" at the bottom would represent the existing foundation strip footing.



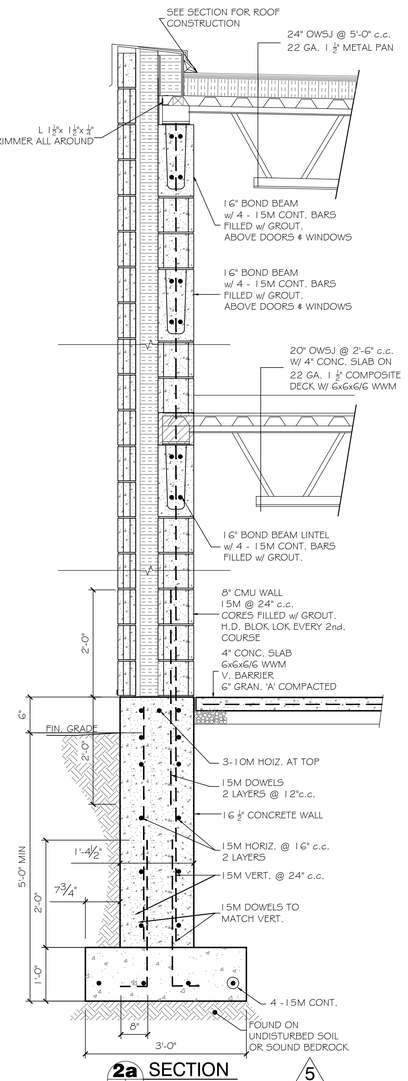
FOUNDATION PLAN

SCALE: 3/32" = 1'-0"



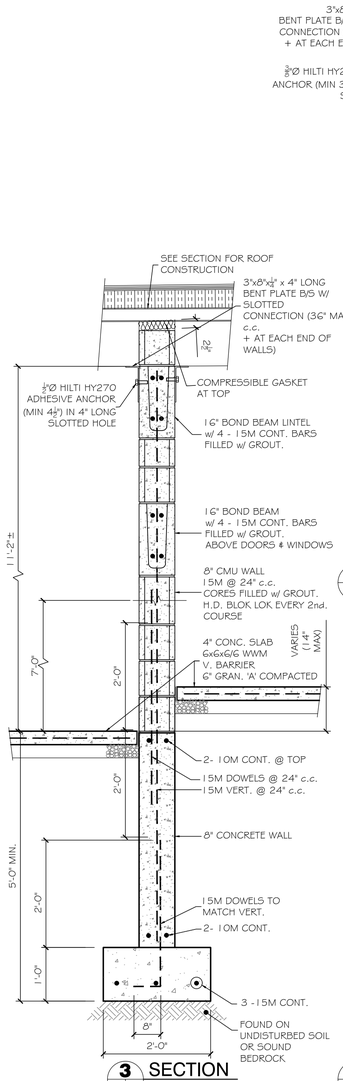
1 SECTION (F1 F1) SCALE: 3/4" = 1'-0"

2 SECTION (F1 F1) SCALE: 3/4" = 1'-0"

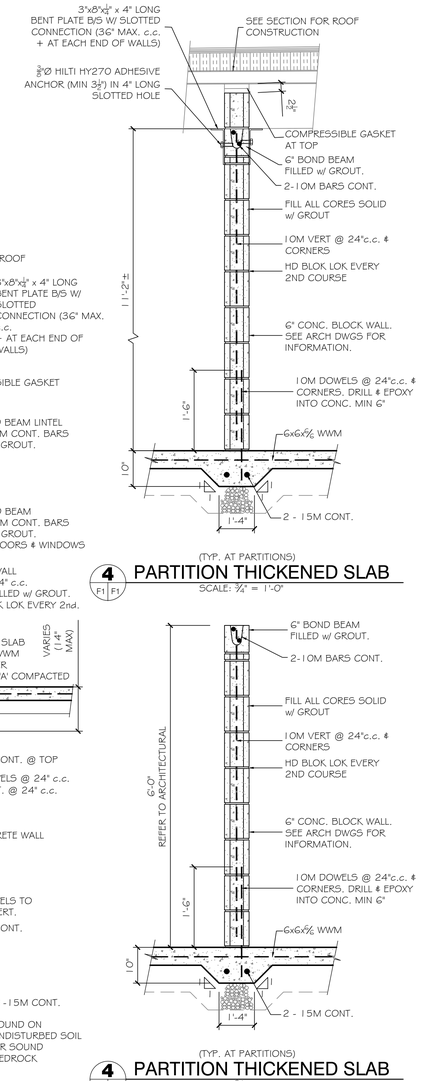


2a SECTION (F1 F1) SCALE: 3/4" = 1'-0"

5



3 SECTION (S1 S1) SCALE: 3/4" = 1'-0"

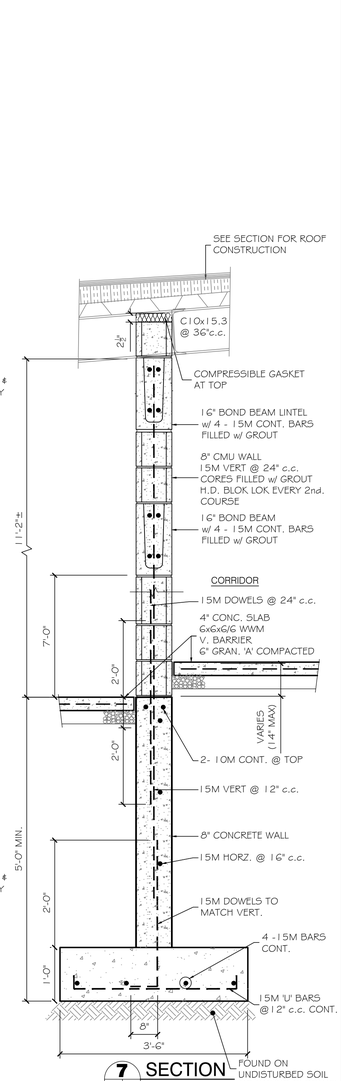


(TYP. AT PARTITIONS)

4 PARTITION THICKENED SLAB (F1 F1) SCALE: 3/4" = 1'-0"

(TYP. AT PARTITIONS)

4 PARTITION THICKENED SLAB (F1 F1) SCALE: 3/4" = 1'-0"



7 SECTION (F1 F1) SCALE: 3/4" = 1'-0"

Larry Gaines Architect

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No.	By	Date	Revisions
5	B.O'B.	2020 09 09	FOR CONSTRUCTION
4	B.O'B.	2020 04 28	CONSULTANT CO-ORDINATION
3	B.O'B.	2020 03 25	FOR TENDER/PERMIT
2	B.O'B.	2020 03 10	REVISED JOIST DIRECTION
1	B.O'B.	2020 02 27	66% FOR PRICING
0	B. O'B	2016-12-09	FOR REVIEW

PROJECT NORTH

LICENSED PROFESSIONAL ENGINEER B. D. CAMPBELL 100172021 2020 05 05 PROVINCE OF ONTARIO

EASTERN ENGINEERING GROUP INC.
CONSULTING ENGINEERS

Brockville Centre
125 Stewart Blvd. Suite 212
Brockville, Ont. K6V 4W4

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www.EastEng.com

Project Title:

CARLETON PLACE ARENA

75 Neelin Street,
Carleton Place, Ontario

Drawing Title:

FOUNDATION PLAN & DETAILS

Design:	Checked:	Approved:	Project No.:
B.D.C	L.A.F.	L.A.F.	7558
Drawn:	Checked:	Date:	Contract No.:
B.O'B./GB		2016-12-09	

Scale:
Horizontal: AS SHOWN
Vertical: AS SHOWN

Drawing No.:

F1

REV DATE: 9/9/2020