Agriculture and Agri-Food Canada | Agriculture et Agroalimentaire Canada

ADDENDUM #1

Solicitation Number: 18-1163
Title: Building 82 Restoration (18-1163)
Date: September 20th, 2018

The following supplements and/or supersedes the Invitation to Tender documents issued on September 12th, 2018. This addendum forms part of the contract documents and is to be read, interpreted, and coordinated with all other parts. Any change to the cost of the work as a result of this addendum is to be included in the price proposal. The following revisions supersede the information contained in the original Invitation to Tender Package for the above-mentioned project to the extent referenced and shall become part thereof.

At "BID AND ACCEPTANCE FORM", Offer and Agreement, 2. The Contractor shall perform and complete the Work:

DELETE:

on or before 2018-10-31.

INSERT:

on or before 2018-11-30

Clarifications Made to Drawings

1. S 01

1.1 Additional requirements for shop drawings, shoring and geotechnical engineer.

2. S 02

2.1 Clarification for interior removals and general instructions for foundation wall.

3. S 03

3.1 Clarification for the bracing detail and addition of splice detail.

QUESTIONS AND ANSWERS (Q & A)

Q 1. Is there a Designated Substance report for this building?

A 1. No

Q 2. Is there a soil report?

A 2. No

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME

End of Addendum #1

GENERAL NOTES / TYPICAL DETAILS

GENERAL

THE GENERAL NOTES AND TYPICAL DETAILS ARE APPLICABLE TO ALL STRUCTURAL CONDITIONS NOT SPECIFICALLY DETAILED OR REFERENCED ON STRUCTURAL DRAWINGS.

THESE NOTES, DETAILS AND DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.

THESE DRAWINGS ARE FOR THE USE OF THE CONSULTANT'S CLIENT ONLY. ALL INFORMATION SHOWN APPLIES TO THIS PROJECT ONLY AND REFLECTS THE BEST JUDGEMENT OF THE CONSULTANT IN LIGHT OF THE AVAILABLE INFORMATION AT THE TIME OF PREPARATION. DECISIONS OR ACTIONS MADE BY THIRD PARTIES BASED ON THE DRAWINGS ARE THE SOLE RESPONSIBILITY OF SUCH PARTIES.

CODES AND STANDARDS

DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA 2015, AND THE TERM "BUILDING CODE" THROUGHOUT THESE DRAWINGS MEANS THAT CODE.

THE FOLLOWING STANDARDS MAY BE REFERRED TO BY SHORT FORM ON THESE DRAWINGS:

STANDARD	TITLE/DESCRIPTION	SHORT FORM
ASTM F1554–07	ANCHOR BOLTS, STEEL, 36, 55, AND 105–KSI YIELD STRENGTH	ASTM F1554
CSA A23.1–09	CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION	CSA A23.1
CSA A23.2–09	TEST METHODS AND STANDARD PRACTICES FOR CONCRETE	CSA A23.2
CSA A23.3–04	DESIGN OF CONCRETE STRUCTURES	CSA A23.3
CSA O86–09	ENGINEERING DESIGN IN WOOD	CSA O86

REFERENCES ARE TO METRIC VERSIONS OF STANDARDS, UNLESS CONTEXT DICTATES OTHERWISE. SHORT FORM REFERENCES TO CSA STANDARDS MAY SOMETIMES OMIT "CSA".

REFERENCES INCLUDE ALL PUBLISHED ERRATA AND SUPPLEMENTS, UNLESS NOTED OTHERWISE.

ABBREVIATIONS AND SYMBOLS

IN ADDITION TO NORMAL ABBREVIATIONS AND SYMBOLS FOR UNITS OF MEASUREMENT (SI UNITS AND US CUSTOMARY UNITS) OR DEFINED IN THE BUILDING CODE AND VARIABLES DESCRIBED ON THE DRAWINGS, THE FOLLOWING ABBREVIATIONS MAY HAVE BEEN USED ON THESE DRAWINGS, WITH OR WITHOUT PERIODS AND SOMETIMES IN COMBINATION:

AFF	ABOVE FINISHED FLOOR
B	BOTTOM
BOT.	BOTTOM
BPL	BASE PLATE
BRG	BEARING
C	CHANNEL OR COMPRESSION
c/c	CENTRE TO CENTRE
CJ	CONTROL JOINT
CONC.	CONCRETE
CONT.	CONTINUOUS
c/w	COMPLETE WITH (INCLUDING)
D.L.	DEAD LOAD
DIM.	DIMENSION
EA.	EACH
E.E	EACH END
E.F.	EACH FACE
E.J.	EXPANSION JOINT
E.S.	EACH SIDE
EXP. JT	EXPANSION JOINT
EX.	EXISTING
EXIST.	EXISTING
E.W.	EACH WAY
EL.	ELEVATION
EXT.	EXTERIOR
F	FORCE, AXIAL FORCE
F.F	FAR FACE
F.D.	FLOOR DRAIN
FDN	FOUNDATION
FTG	FOOTING
FL.	FLOOR
GALV.	GALVANIZED
H	HORIZONTAL
HOR.	HORIZONTAL
I.F.	INSIDE FACE
INT.	INTERIOR
INCL.	INCLUDING
L	LENGTH OR STEEL ANGLE
Ld	REINFORCEMENT DEVELOPMENT LENGTH (TENSION UNLESS NOTED OTHERWISE)

L.L.	LIVE LOAD OR LOWER LAYER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
M	MOMENT
MIRR.	MIRRORED
N.F.	NEAR FACE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.F.	OUTSIDE FACE
OPP.	OPPOSITE
P.C.	PRECAST CONCRETE OR PILECAP
PCO	PILE CUT–OFF
PL	PLATE
REINF.	REINFORCING
REQ'D	REQUIRED
R.O.	ROUGH OPENING
SEC	SECTION
S.O.G.	SLAB ON GRADE
STD	STANDARD
T	TOP OR TENSION FORCE
T/	TOP OF
T.O.	TOP OF
TJ	TIE JOIST
T.O.S.	TOP OF STEEL OR TOP OF SLAB
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.L.	UPPER LAYER
U/N	UNLESS NOTED
U/S	UNDERSIDE
V	VERTICAL OR SHEAR FORCE
VERT.	VERTICAL
V.O.S.	VERIFY ON SITE
WWM	WELDED WIRE MESH
@	AT (SPACING CENTRE TO CENTRE)
Ø	DIAMETER

OTHER ABBREVIATIONS MAY BE USED IN CONTEXT – REQUEST CLARIFICATION IF UNSURE

SHOP DRAWINGS, SUBMITTALS AND DESIGN DETAILING CRITERIA FOR SUPPLIERS:

GENERAL:
REPRODUCTIONS OF THE STRUCTURAL DRAWINGS SHALL NOT BE ACCEPTED AS SHOP DRAWINGS.

"PROFESSIONAL ENGINEER" IN THE FOLLOWING PARAGRAPHS AND THROUGHOUT THESE DRAWINGS MEANS A PROFESSIONAL ENGINEER REGISTERED IN AND LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO AND THE ENGINEER'S "SEAL" SHALL INCLUDE THEIR STAMP, THEIR SIGNATURE AND THE DATE OF SEALING.

REVIEW OF DRAWINGS APPLIES TO GENERAL ARRANGEMENT ONLY FOR THE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW DOES NOT IMPLY APPROVAL OF DETAIL DESIGN OR QUANTITIES IN SUBMITTED DRAWINGS, NOR DOES IT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR MAKING THE WORK COMPLETE, ACCURATE AND IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS. ALLOW 15 WORKING DAYS FOR SHOP DRAWING REVIEW.

DO NOT FABRICATE MATERIALS BASED ON REJECTED OR DISAPPROVED SHOP DRAWINGS.

DOCUMENT SUBMISSIONS SHALL INCLUDE FOR EACH DOCUMENT ELECTRONIC FILES IN PDF FORMAT DELIVERED BY EMAIL TO submittals@aar.ca , UNLESS OTHER FORMATS AND/OR METHODS OF DELIVERY ARE AGREED IN WRITING IN ADVANCE OF SUBMISSION.

PAPER DOCUMENTS SUBMITTED IN LIEU OF ELECTRONIC DOCUMENTS SHALL INCLUDE 2 COPIES AND 1 REPRODUCIBLE FOR EACH DOCUMENT.

FALSEWORK:
PROVIDE DETAILS OF DESIGN AND CONSTRUCTION OF FORMS AND FALSEWORK, SHORING AND RESHORING AND ANY SPECIAL REQUIREMENTS FOR STRIPPING OF FORMWORK. ALL SUCH DESIGN SHEETS SHALL BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER.

SUBMIT FOR REVIEW PROPOSED SEQUENCE OF WORK FOR PHASING OF NEW CONCRETE FOUNDATION WALL.

SUBMIT FOR REVIEW DRAWINGS OF ALL PROPOSED CONSTRUCTION JOINTS LOCATIONS, AND LAYOUT DRAWINGS OF CONCRETE ISOLATION, SLAB ON GRADE SAWCUTS, AND HOUSEKEEPING PADS.

CONCRETE – MATERIAL:
SUBMIT FOR REVIEW ALL PROPOSED CONCRETE MIX DESIGNS. SUBMIT AT LEAST 15 WORKING DAYS BEFORE START OF WORK.

CONCRETE – REINFORCING:
SUBMIT FOR REVIEW REINFORCEMENT PLACING DRAWINGS AND BAR LISTS FOR EVERY PORTION OF THE STRUCTURE. SHOW WALLS IN FULL ELEVATION. SHOW TOP STEEL AND BOTTOM STEEL FOR SLABS ON SEPARATE PLANS WITH REINFORCING STEEL CALLED UP DIRECTLY ON PLAN.

SEQUENCE OF WORK:
SUBMIT FOR REVIEW A PROPOSED SEQUENCE OF WORK FOR THE CONSTRUCTION INCLUDING BUT NOT LIMITED TO THE DEMOLITION OF THE EXISTING STONE FOUNDATION WALL, EXCAVATION, NEW CONCRETE FOUNDATION WALL AND THE NEW BRACING OF THE EAST WALL.

BRACING OF WALL:
PROVIDE DETAILS OF DESIGN AND CONSTRUCTION OF BRACING, SHORES AND ANY SPECIAL REQUIREMENTS FOR THE BRACING/SHORING OF WALLS. ALL SUCH DESIGN SHEETS SHALL BE PREPARED AND SCALED BY A PROFESSIONAL ENGINEER.

DIMENSIONS

CHECK DIMENSIONS ON THESE DRAWINGS AGAINST DIMENSIONS ON ARCHITECTURAL DRAWINGS BEFORE USING THEM FOR FABRICATION OR CONSTRUCTION. REPORT DISCREPANCIES IMMEDIATELY UPON DISCOVERY.

DRAWINGS HAVE BEEN MADE REASONABLY TO SCALE BUT CONTRACTOR MUST NOT SCALE THE DRAWINGS.

RECORD DRAWINGS

CONTRACTOR SHALL MAINTAIN TWO SETS OF RECORD DRAWINGS, SHOWING AS–BUILT CONDITIONS OF ALL ASPECTS OF THE STRUCTURE, AVAILABLE FOR REVIEW DURING CONSTRUCTION, AND FOR SUBMISSION TO THE CONSULTANT AND THE OWNER UPON PROJECT COMPLETION.

INSPECTIONS AND TESTING

THE FOLLOWING ITEMS SHALL BE INSPECTED OR TESTED BY INDEPENDENT INSPECTION/ TESTING AGENCIES DESIGNATED BY THE CLIENT. MATERIALS AND WORKMANSHIP NOT CONFORMING TO THE SPECIFICATIONS SHALL BE REJECTED BY THE CONTRACTOR. REPORTS AND TEST RESULTS SHALL BE PROMPTLY SUBMITTED TO THE ENGINEER FOR REVIEW. TESTING SHALL INCLUDE BUT NOT BE LIMITED TO:

SOILS:
ALL TESTING AND INSPECTIONS (COMPACTION, BEARING CAPACITY ETC.) AS PER THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER, RETAINED BY THE CONTRACTOR.

CONCRETE:
CONCRETE AND GROUT TESTING IN ACCORDANCE WITH CSA A23.2 LATEST EDITION AND THE SPECIFICATIONS, INCLUDING THE REQUIREMENTS OF SLUMP, AIR AND AGE BEFORE BEING USED. CONTRACTOR TO KEEP RECORDS OF POUR DATES, TESTING PERFORMED, CLASS OF CONCRETE USED WITH LOCATION AND TEST RESULTS FOR ALL ITEMS POURED.

TESTING TO DETERMINE THE IN–SITU STRENGTH OF CONCRETE FOR EARLY FORM REMOVAL PURPOSES WITH THE TYPE OF TEST BEING DETERMINED ON THE ADVICE OF THE TESTING AGENCY. TESTING AND REPAIRS NECESSARY TO THE STRUCTURE AS A RESULT OF THESE TESTS SHALL BE MADE BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

TESTING AS REQUIRED AND SPECIFIED BY THE ENGINEER TO DETERMINE THE IN–SITU STRENGTH OF CONCRETE WHICH FAILS TO MEET THE SPECIFIED REQUIREMENTS OR WHICH, DUE TO APPEARANCE, DAMAGE OR DEFECTS MAY BE DEEMED REJECTABLE. CORES SHALL BE ACQUIRED AND TESTED BY THE DESIGNATED TESTING AGENCY BUT ANY REPAIRS NECESSARY TO THE STRUCTURE AS A RESULT OF THESE TESTS SHALL BE PERFORMED AT NO COST TO THE OWNER.

FOUNDATIONS

BEARING:
ALL FOUNDATIONS TO BEAR ON SOUND, UNDISTURBED, NATURAL SOIL.

DESIGN BEARING VALUES:
100 kPa AT ULS AND 75 kPa AT SLS UNLESS NOTED.

ALL BEARING SURFACES TO BE APPROVED BY GEOTECHNICAL CONSULTANT BEFORE POURING CONCRETE.

DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL SUPPORTING SLABS, OR OTHER, HAVE BEEN POURED, UNLESS BRACING DETAILS ARE SUBMITTED. WHERE POSSIBLE BACKFILL BOTH SIDES OF WALLS SIMULTANEOUSLY.

FROST COVER:
BOTTOM OF FOOTINGS TO HAVE A MINIMUM 1830 mm COVER TO FINISHED EXTERIOR GRADE FOR FROST PROTECTION UNLESS NOTED. PROVIDE FROST PROTECTION FOR ALL FOOTINGS DURING WINTER CONSTRUCTION.

EXCAVATION SHORING

DESIGN SHALL BE BASED ON THE CRITERIA RECOMMENDED IN THE SOILS REPORT AND SHALL BE TO THE APPROVAL OF THE CITY OR THE OTHERWISE GOVERNING AUTHORITY.

CONCRETE

ALL CONCRETE WORK TO BE IN ACCORDANCE WITH CSA–A23.1 AND CSA–A23.3 WITH THE FOLLOWING FURTHER PROVISIONS:

LOCATION		MIN. SPECIFIED 28 DAY CONC. STRENGTH	SLUMP	CLASS OF EXPOSURE	REMARKS
		MPa	mm		
BELOW GRADE	FOOTINGS	35	80 ± 30	C–1	

NO ADDITIONAL WATER SHALL BE ADDED AT THE JOB SITE. CONCRETE WHICH HAS BEEN WATERED OR DOES NOT MEET SPECIFICATIONS SHALL BE REJECTED BY THE GENERAL CONTRACTOR.

CALCIUM CHLORIDE ADMIXTURES SHALL NOT BE USED.

REINFORCING STEEL

DETAIL AND PLACE REINFORCING STEEL IN ACCORDANCE WITH THE R.S.I.C. "REINFORCING STEEL MANUAL OF STANDARD PRACTICE" AND CSA–A23.1 UNLESS OTHERWISE NOTED.

REINFORCING BAR SHALL BE DEFORMED GRADE 400W AS PER CSA G30.18.

SPLICES:
ALL 1.3 Ld (TENSION) LAP U/N

LAPS FOR DOWELS TO MATCH THE LONGER REQUIREMENT OF THE ELEMENTS BEING CONNECTED.

REINFORCING CHAIRS:
PROVIDE CHAIRS, SPACER BARS, SUPPORT BARS AND OTHER ACCESSORIES TO SUPPORT REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA A23.1 AND A23.3. CHAIRS TO BE PLASTIC, PLASTIC TIPPED OR CONCRETE. ALL TIE WIRE, CHAIRS AND BAR SUPPORTS USED FOR COATED REINFORCING SHALL BE NON–METALLIC OR PROTECTED WITH AN ACCEPTABLE COATING.

CHAIRS SHALL BE SPACED AT 1200 mm O.C. MAXIMUM. PROVIDE CONTINUOUS CHAIRS WHERE POSSIBLE.

CONCRETE COVER: (CLEAR TO REINFORCING)

U/S FOOTINGS (AGAINST SOIL)	75mm
U/S FOOTINGS (NOT AGAINST SOIL)	50mm
FOOTINGS (SIDES AND TOP)	50mm

GEOTECHNICAL REPORT

CONTRACTOR IS TO RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO PROVIDE REVIEW OF EXISTING SOIL CONDITIONS AND CONFIRM BEARING VALUES AT ALL FOOTING LOCATIONS. PROVIDE GEOTECHNICAL REPORT TO THE DEPARTMENTAL REPRESENTATIVE.

No.	Date	Revision
2	2018/09/19	ISSUED FOR ADDENDUM
1	2018/09/06	ISSUED FOR TENDER
B	2018/08/10	ISSUED FOR 99% REVIEW
A	2018/08/03	ISSUED FOR 66% REVIEW

Architect

Scale	By	Date	Checked
AS NOTED	J.M./C.A.	AUG. 2018	P.R.

Project
BUILDING 82 RESTORATION

Drawing
GENERAL NOTES / TYPICAL DETAILS

Stamp

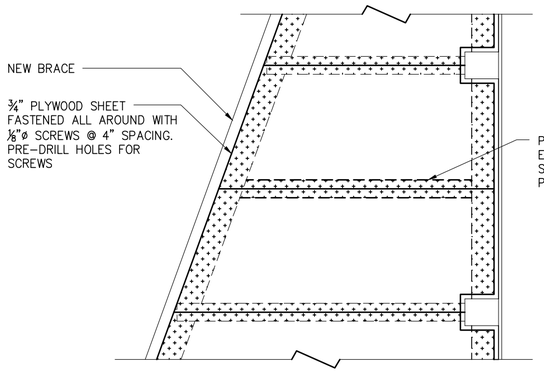
LICENSED PROFESSIONAL ENGINEER
2018/09/19
P. J. A. RANGER
100195314
PROVINCE OF ONTARIO

Project No.
CEF18 00174

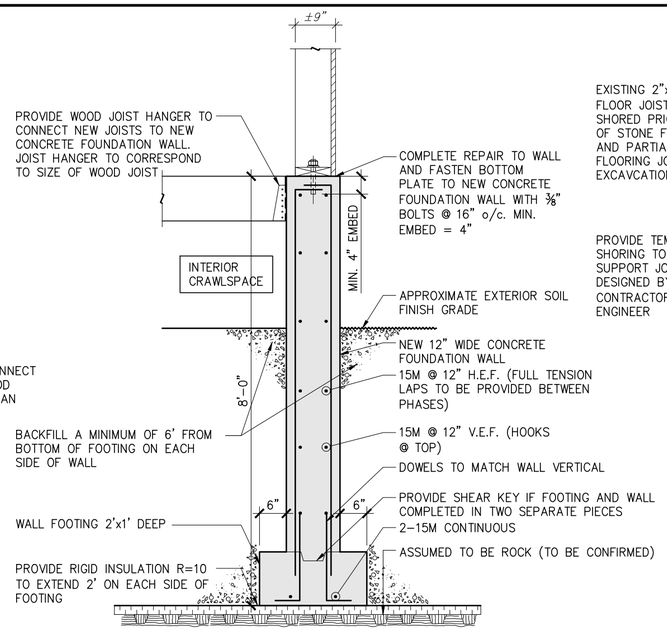
Drawing No.
S01

Revision

PLOT DATE: Sep 18 2018 – 4:05pm

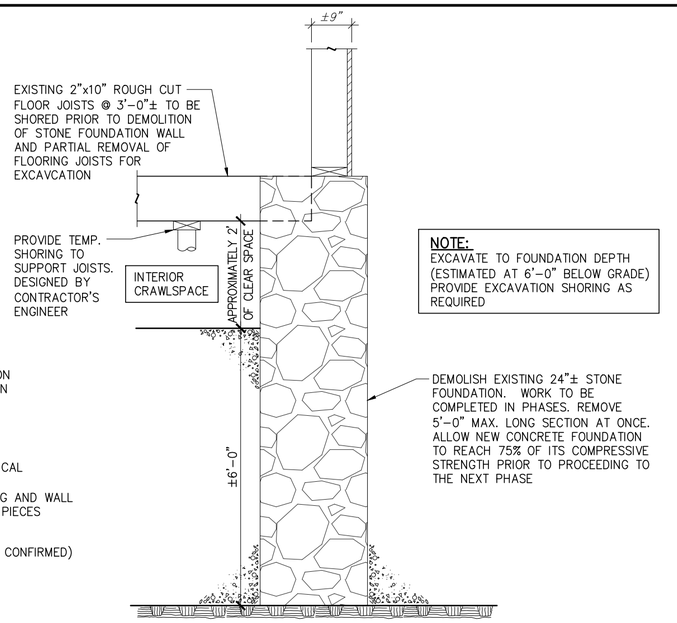


3 S03 — DETAIL - TYP. PLYWOOD CONNECTION
1/2" = 1'-0"



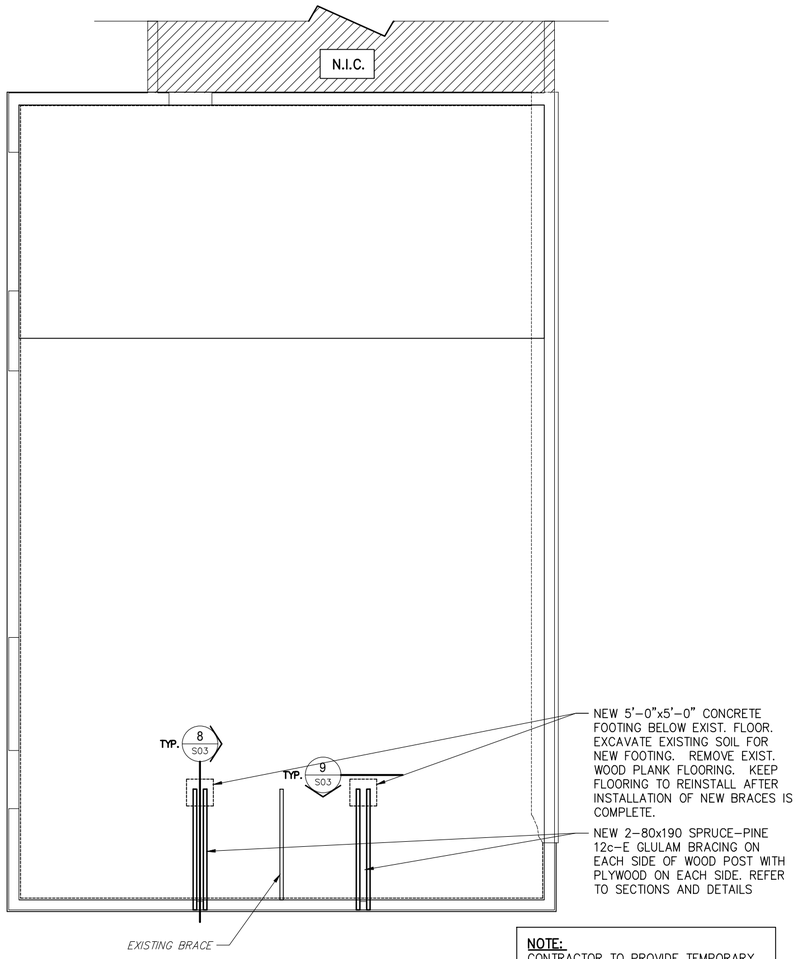
2 S02 — SECTION - NEW FOUNDATION WALL WORK
1/2" = 1'-0"

NOTE:
REFER TO 10/S03 FOR WALL SPLICE DETAIL DUE TO PHASING OF CONSTRUCTION



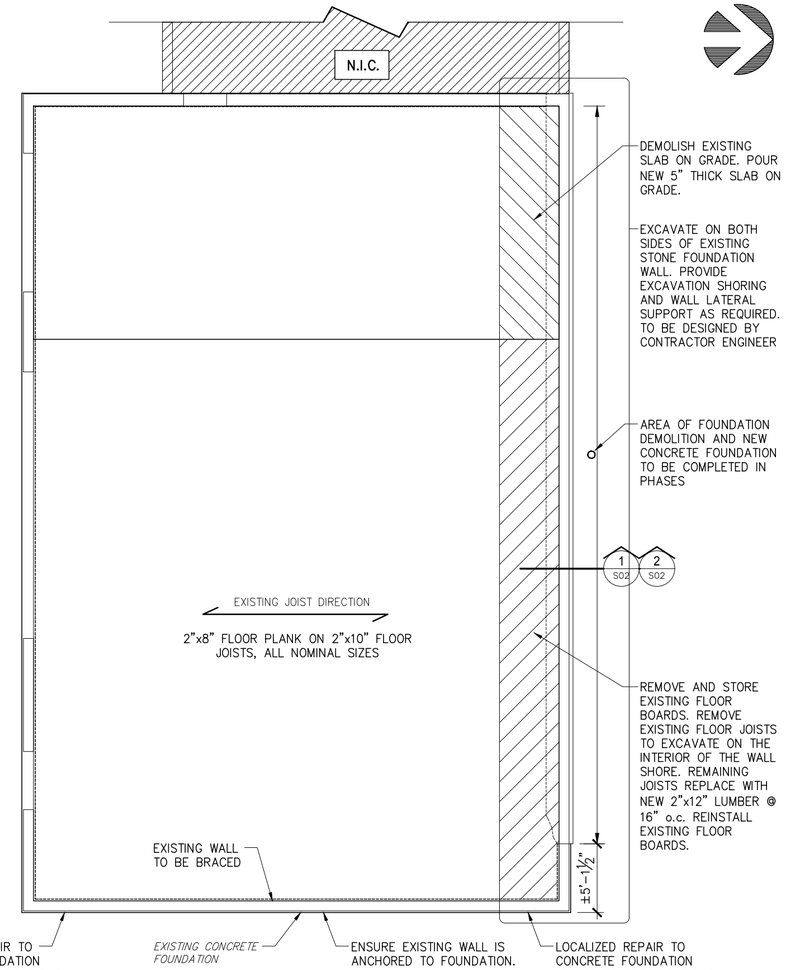
NOTE:
EXCAVATE TO FOUNDATION DEPTH (ESTIMATED AT 6'-0" BELOW GRADE) PROVIDE EXCAVATION SHORING AS REQUIRED

1 S02 — SECTION - EXISTING FOUNDATION WALL DEMOLITION
1/2" = 1'-0"



NOTE:
CONTRACTOR TO PROVIDE TEMPORARY BRACING OF THE WALL FROM THE EXTERIOR SIDE OF THE WALL, DESIGNED BY THE CONTRACTORS ENGINEER

EXISTING PLAN - BRACING LAYOUT
1/8" = 1'-0"



EXISTING PLAN - REPAIR AREAS
1/8" = 1'-0"

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AAR PROJECT 3618-03

Architect

Scale	By	Date	Checked
AS NOTED	J.M./C.A.	AUG. 2018	P.R.

Project
BUILDING 82 RESTORATION

Drawing
GROUND FLOOR PLAN AND SECTIONS

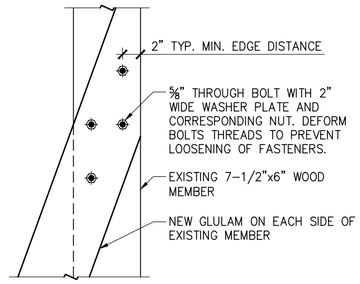
Stamp
LICENSED PROFESSIONAL ENGINEER — 2018/09/19 — P. J. A. RANGER — 100195314 — PROVINCE OF ONTARIO

Project No.
CEF18 00174

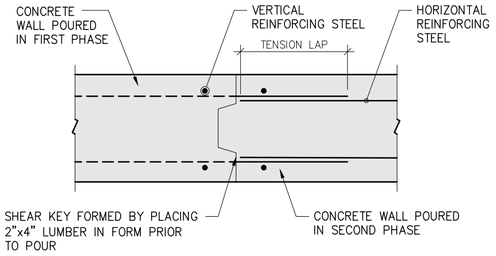
Drawing No.
S02

Revision

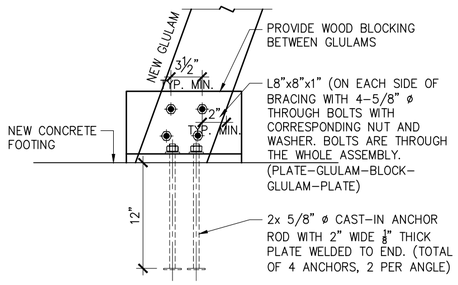
PLOT DATE: Sep 18 2018 - 4:05pm



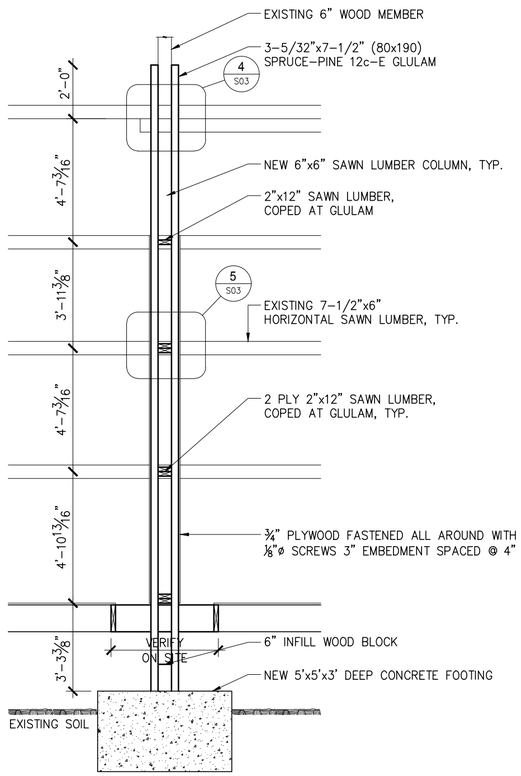
7 S03 — DETAIL - CONNECTION AT TOP OF BRACE
1" = 1'–0"



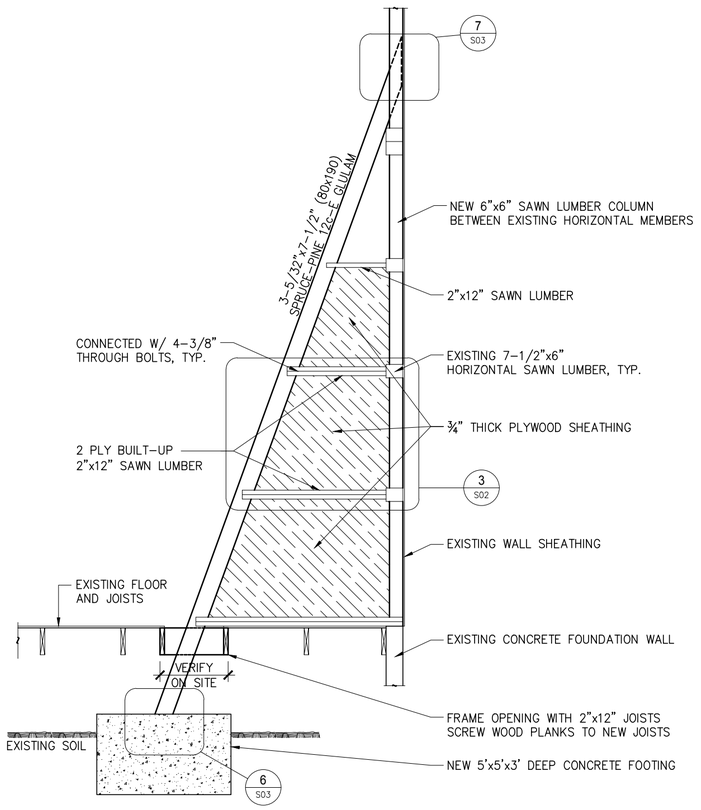
10 S03 — DETAIL - WALL SPLICE
1" = 1'–0"



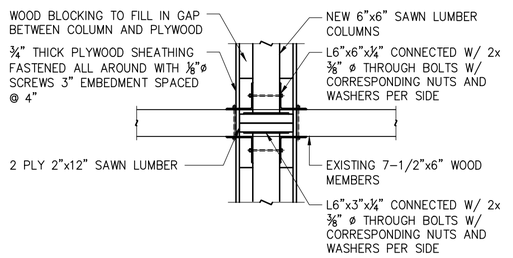
6 S03 — DETAIL - CONNECTION AT BRACE AND FOOTING
1" = 1'–0"



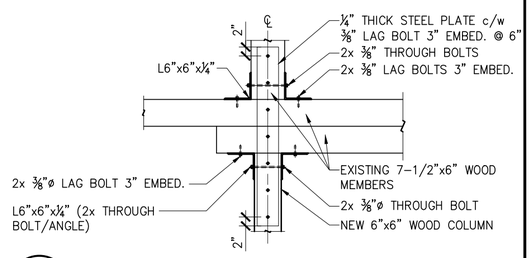
9 S02 — SECTION - FRONT ELEVATION VIEW
1/4"=1'–0"



8 S02 — SECTION - THROUGH BRACE
1/4"=1'–0"



5 S03 — DETAIL - CONNECTION OF NEW 6x6 WOOD MEMBERS
1/2" = 1'–0"



4 S03 — DETAIL - CONNECTION BETWEEN EXIST. AND NEW COLUMN
1/2" = 1'–0"

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Project
BUILDING 82 RESTORATION

Drawing
SECTIONS AND DETAILS

Stamp
LICENSED PROFESSIONAL ENGINEER
2018/09/19
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PROVINCE OF ONTARIO

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CEF18 00174

Drawing No.
S03

Revision

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