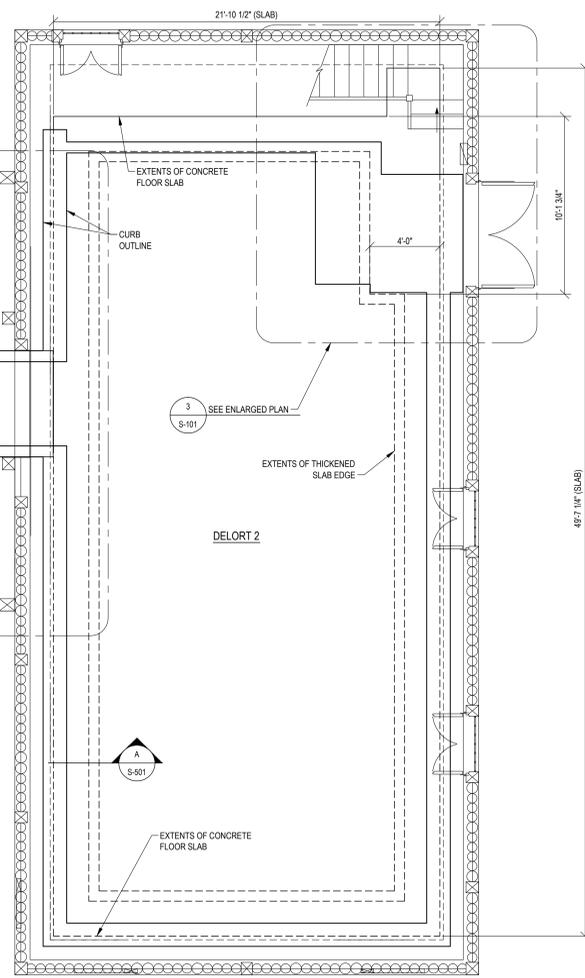
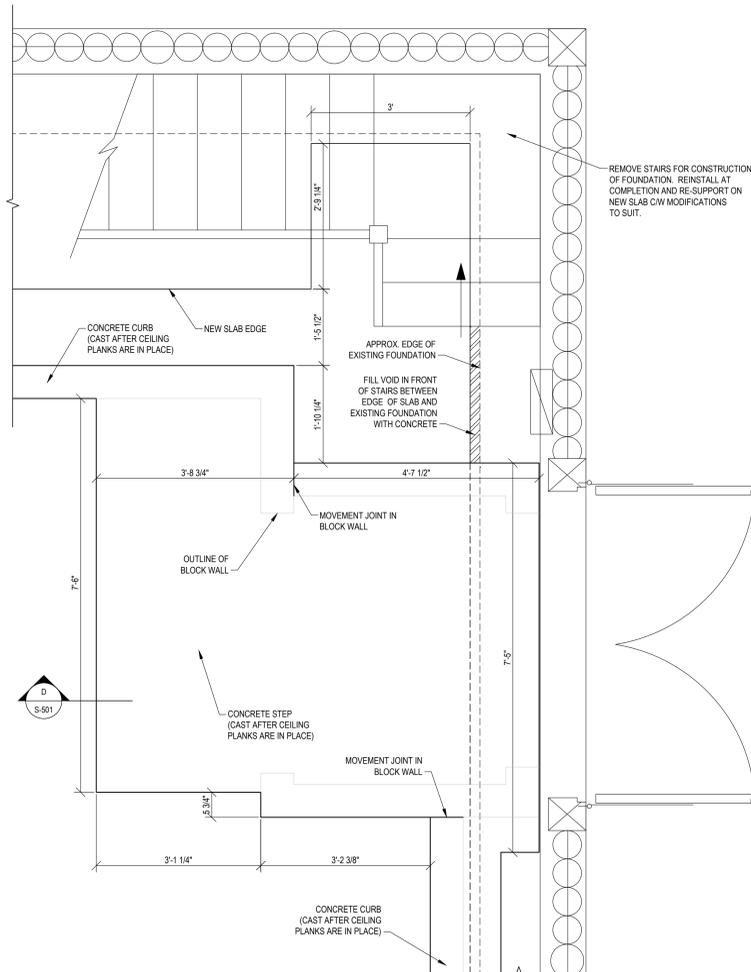


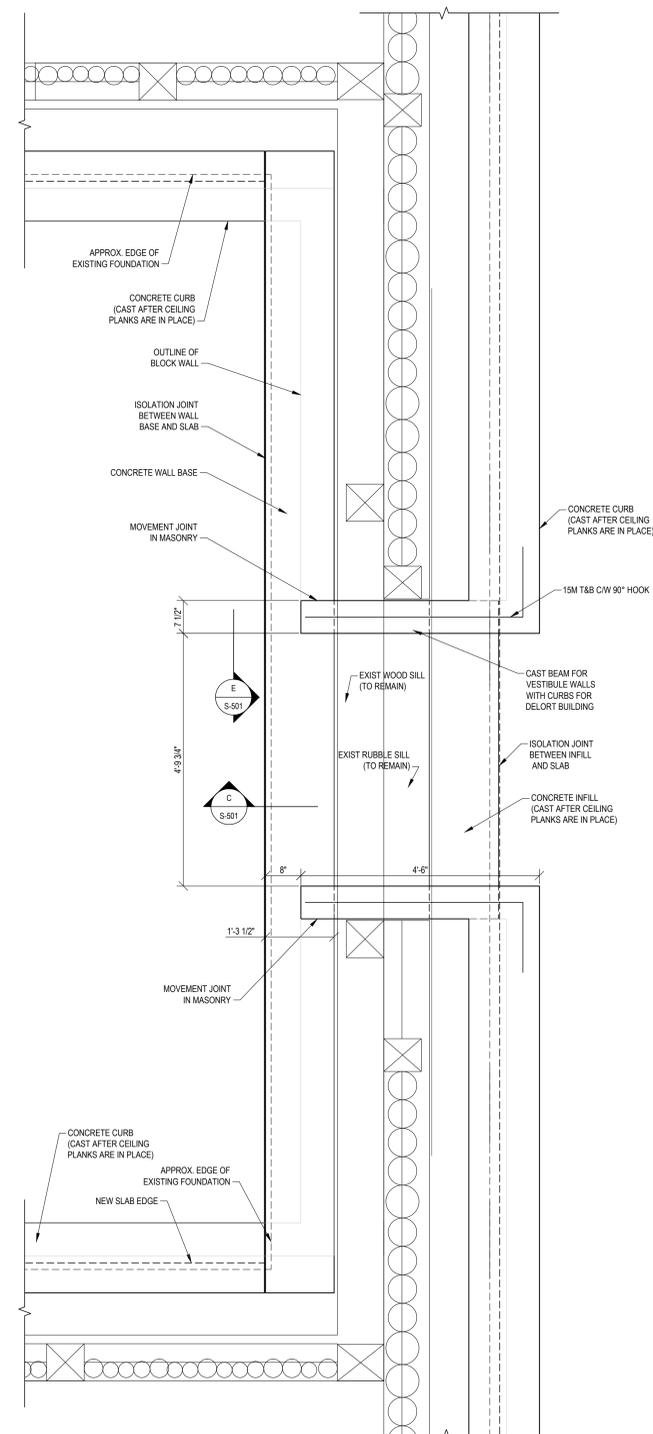
FOUNDATION PLAN
1/8" = 1'-0"



1 DETAIL ENLARGED PLAN
3/4" = 1'-0"



3 DETAIL ENLARGED PLAN
3/4" = 1'-0"



2 DETAIL ENLARGED PLAN
3/4" = 1'-0"

GENERAL NOTES

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NOTES

NO.	DESCRIPTION	Y - M - D
0.	ISSUED FOR CONSTRUCTION	16-11-25
REVISIONS		

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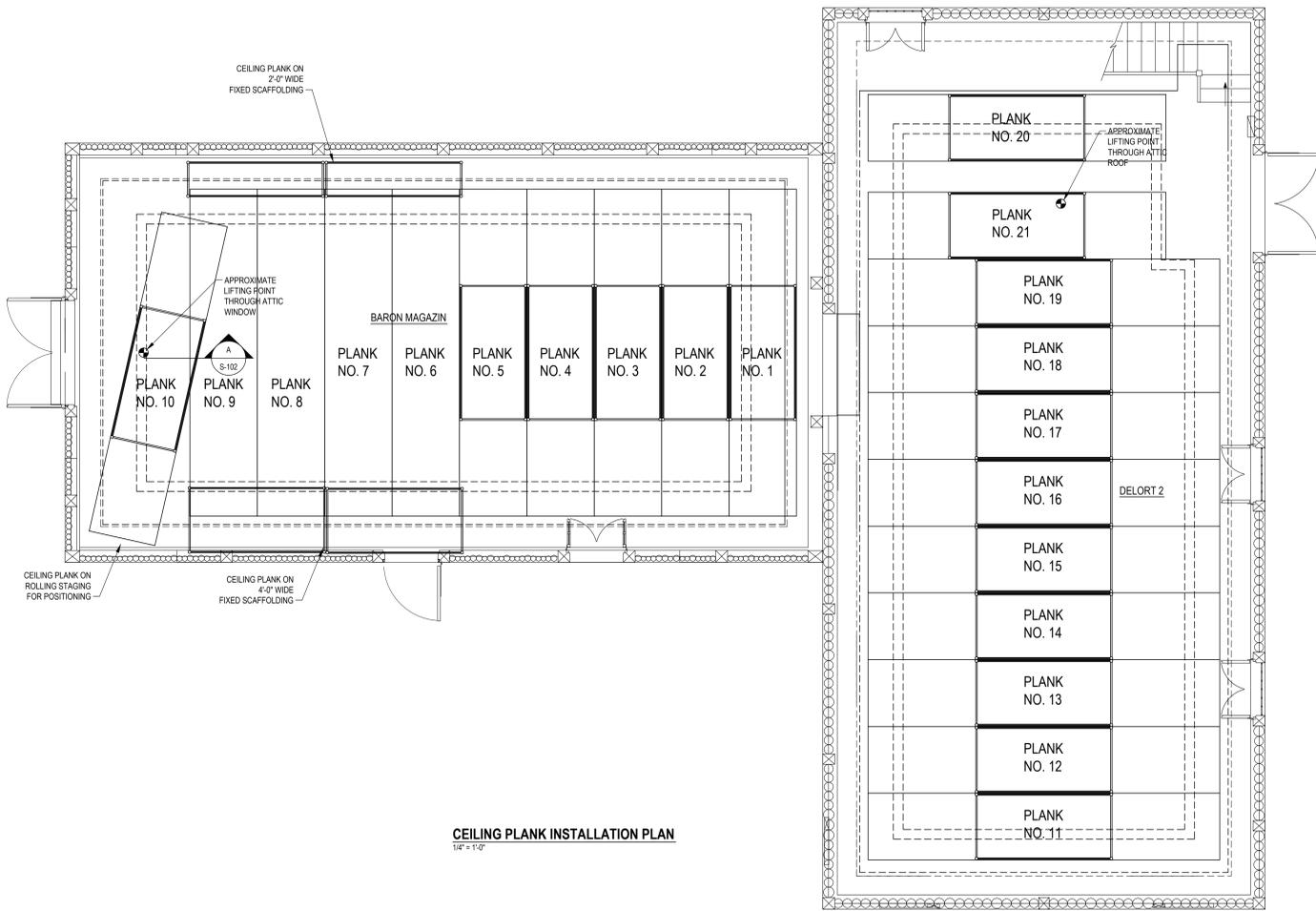
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PROJECT
CARPENTRY MILL SHOP
Fortress of Louisbourg
Louisbourg, N.S.

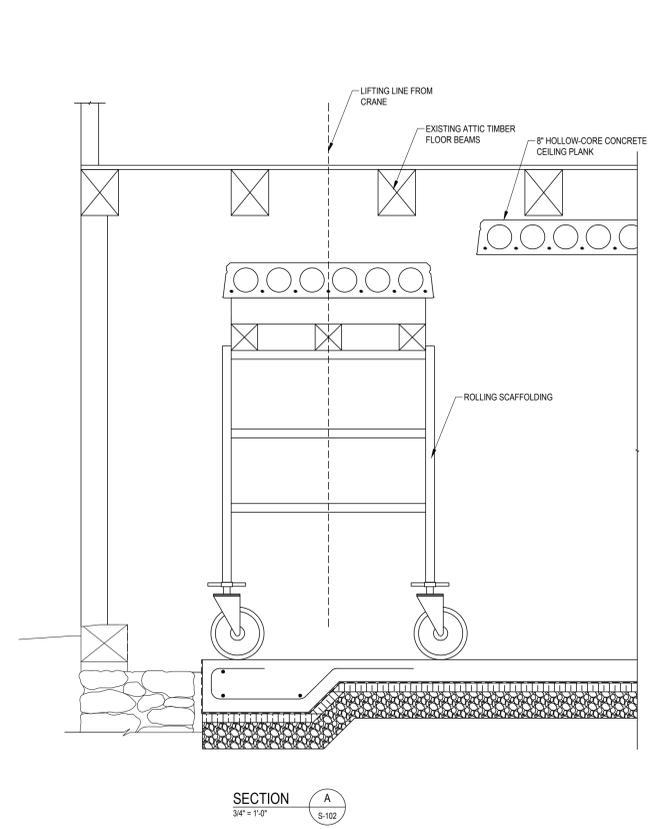
DRAWING
BARON MAGAZIN / DELORT II
FOUNDATION PLAN
AND ENLARGED PLANS

DRAWN BY ATC
CHECKED BY SMH
SCALE AS NOTED
PLOT DATE 2016-11-03

CAD FILE DRWG.
S-101



CEILING PLANK INSTALLATION PLAN
1/4" = 1'-0"



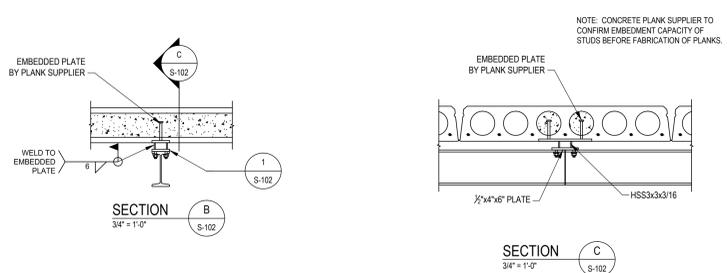
SECTION A
3/4" = 1'-0"

- PROPOSED PROCEDURE FOR POSITIONING CEILING PLANKS IN BARON MAGAZIN BUILDING:**
1. MOVE CEILING PLANK 1 INTO BUILDING THROUGH DOUBLE DOOR AND PLACE ON LOW ROLLING SCAFFOLD.
 2. LIFT PLANK USING CRANE (OR OTHER APPROVED METHODS) THROUGH ATTIC WINDOW AND PLACE ON HIGH SCAFFOLD. MOVE INTO POSITION AND TRANSFER TO FIXED SCAFFOLD.
 3. REPEAT FOR PLANKS 2 & 5.
 4. INSTALL PLANKS 6-9 AND SUPPORT ON FIXED SCAFFOLDING AS SHOWN.
 5. POSITION LAST PLANK AND TRANSFER PLANKS 6 TO 10 TO FIXED SCAFFOLDING SUPPORTING THE PLANKS ALONG THE CENTER OF THE BUILDING.

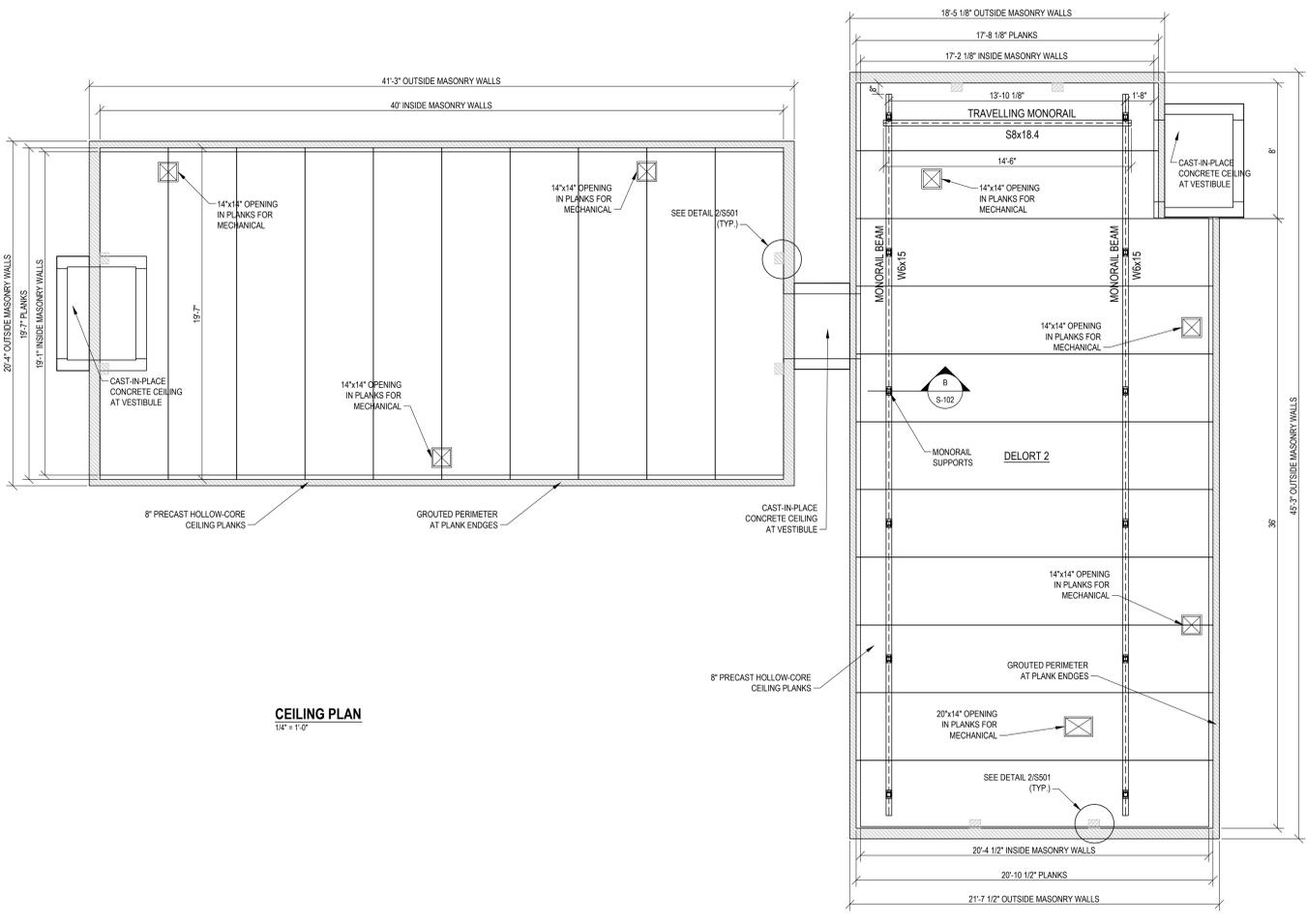
- PROPOSED PROCEDURE FOR POSITIONING CEILING PLANKS IN DELORT 2 BUILDING:**
1. MOVE CEILING PLANK 11 INTO BUILDING THROUGH DOUBLE DOOR AND PLACE ON LOW ROLLING SCAFFOLD.
 2. LIFT PLANK USING CRANE THROUGH HOLE IN ATTIC AND ROOF (OR OTHER APPROVED METHODS) AND PLACE ON HIGH ROLLING SCAFFOLD. MOVE INTO POSITION AND TRANSFER TO FIXED SCAFFOLD.
 3. REPEAT FOR PLANKS 12 TO 19.
 4. INSTALL PLANK 20 AND MOVE AS SHOWN TO TOP OF PLANK.
 5. INSTALL PLANK 21, THEN MOVE PLANK 20 INTO POSITION.

NOTE: CONTRACTOR TO ENSURE ALL LIFTING AND SUPPORTING EQUIPMENT, SCAFFOLDS AND ACCESSORIES ARE SUITABLY DESIGNED TO SUPPORT WEIGHT OF PRECAST HOLLOW CORE PLANKS.

- PROPOSED SEQUENCE OF CONSTRUCTION:**
1. CAST FLOOR SLAB.
 2. POSITION ALL PRECAST CEILING PLANKS ON FIXED STAGING.
 3. CAST CONCRETE CURBS.
 4. INSTALL MASONRY WALLS AND CAST INFILL CONCRETE AT CEILING PLANK TO BLOCK WALL CONNECTIONS.
 5. REMOVE STAGING SUPPORTING ROOF PLANKS.
 6. CAST REMAINING CONCRETE AND INSTALL REMAINING MASONRY VESTIBULE WALLS.



DETAIL 1
1/12" = 1'-0"



CEILING PLAN
1/4" = 1'-0"

GENERAL NOTES:

1. ALL DIMENSIONS SHOWN ARE IMPERIAL.
2. WHERE EXISTING CONDITIONS ARE SHOWN, THEY ARE NOT GUARANTEED TO BE COMPLETE ACCURATE OR CORRECT. THE CONTRACTOR SHALL VISIT THE SITE AND MAKE HIS OWN ASSESSMENT OF EXISTING CONDITIONS AND ALL DIFFICULTIES WHICH MAY AFFECT THE PROGRESS OF THE WORK. ADVISE THE ENGINEER IN WRITING OF ANY DIFFICULTIES THAT MAY AFFECT THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ANY OR ALL UTILITIES WHICH MAY HAVE BURIED SERVICES IN THE AREA FOR THE PURPOSE OF IDENTIFYING THEIR LOCATION AND DEPTH OF SUCH SERVICES. THE CONTRACTOR SHALL PROTECT ALL UTILITY SERVICES FROM DAMAGE AND REPAIR ANY DAMAGES WHICH DO OCCUR AT HIS OWN EXPENSE AND TO THE FULL SATISFACTION OF THE ENGINEER AND THE UTILITY AFFECTED. ARRANGE AND PAY FOR TEMPORARY GUY, ANCHORS STRUTS ETC. AS REQUIRED.
4. PROTECT AND AVOID DAMAGE TO ADJACENT PROPERTIES. MAKE GOOD AT CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL CODES, ACTS, BYLAWS AND REQUIREMENTS OF ALL GOVERNMENT AND REGULATORY AGENCIES HAVING JURISDICTION.
6. THE CONTRACTOR SHALL CLEAN THE WORK SITE OF ALL DEBRIS, EXCESS MATERIALS AND OTHER MATERIALS AS DIRECTED. BROOM CLEAN ALL ASPHALT, CONCRETE AND OTHER HARD SURFACES. RAKE CLEAN SODDED AND GRAVEL SURFACES AND CLEAN OTHER SURFACES AS DIRECTED. DISPOSE OF ALL OTHER UNSUITABLE MATERIALS OFF SITE. FINAL CLEAN UP SHALL BE TO THE ENGINEER'S AND OWNER'S SATISFACTION.
7. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY AT THE PLACE OF WORK AND SHALL ABIDE BY ALL REQUIREMENTS OF THE NOVA SCOTIA HEALTH AND SAFETY ACT, THE WORKER'S COMPENSATION BOARD OF NOVA SCOTIA AND BY THE REQUIREMENTS OF ANY OTHER AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL BE CONSIDERED THE CONSTRUCTOR UNDER THE NOVA SCOTIA HEALTH AND SAFETY ACT. THE CONTRACTOR SHALL ENSURE, AND BE ABLE TO SHOW PROOF, THAT ALL WORKERS ON THE SITE ARE TRAINED IN APPROPRIATE TRAFFIC AND CONSTRUCTION SAFETY.

GEOTECHNICAL REQUIREMENTS:

1. ALL FOUNDATIONS ARE TO BE FOUNDED ON ENGINEERED FILL. FOOTING EXCAVATIONS SHALL BE INSPECTED BY THE ENGINEER PRIOR TO PLACING CONCRETE. MINIMUM ALLOWABLE BEARING CAPACITY OF SOIL FOR ALL FOUNDATIONS IS 3100 PSF (150 KPA).
2. ANY SOFT SPOTS OR DAMAGE TO THE SUBGRADE MUST BE EXCAVATED AND REPLACED WITH A GRANULAR FILL MEETING NISTP TYPE II SPECIFICATION. ALL ENGINEERED FILL SHOULD BE PLACED IN LIFTS OF 8" MAXIMUM AND COMPACTED TO ACHIEVE 98% OF THE MAXIMUM STANDARD PROCTOR DRY DENSITY.
3. ENGINEERED FILL SHOULD CONSIST OF WELL GRADED SAND AND GRAVEL WITH LESS THAN 10% FINES SUCH AS NOVA SCOTIA TRANSPORTATION AND INFRASTRUCTURE RENEWAL TYPE 1, OR TYPE 2 GRAVEL. THE GRAVEL PORTION OF THE ENGINEERED FILL SHOULD BE HARD AND DURABLE, THEREFORE, GRANULAR BORROW CONTAINING SHALE, SANDSTONE OR SLATE WILL NOT BE ACCEPTABLE. THE ENGINEERED FILL SHOULD NOT CONTAIN FLAT OR ELONGATED PARTICLES AND SHOULD BE FREE OF ORGANICS OR OTHER DELETERIOUS MATERIALS. A WELL GRADED PIT RUN SAND AND GRAVEL WITH LESS THAN 10% FINES MEETING THE NSTR SPECIFICATIONS COULD ALSO BE SUITABLE, SUBJECT TO REVIEW BY THE ENGINEER.
4. THE GROUND SURFACE AROUND EXCAVATIONS SHOULD BE GRADED TO DIRECT SURFACE WATER FLOW AWAY FROM THE EXCAVATION. THE BASE OF THE EXCAVATION SHOULD BE GRADED TO DRAIN TO SUMPS. ANY SOIL SOFTENED DUE TO STANDING WATER, RUNNING WATER, OR FREEZING, SHOULD BE REMOVED BEFORE PLACEMENT OF ANY BACKFILL OR CONCRETE.
5. ALL EXCAVATED SOILS MUST BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. ALL FILL MATERIAL MUST BE IMPORTED FROM OFF-SITE AND APPROVED BY THE CONSULTANT AND MEET THE REQUIREMENTS OF THESE SPECIFICATIONS.
6. CLEAR STONE SHALL BE TYPE C5 PER NSTR SPECIFICATIONS.

HOLLOW-CORE CEILING PLANKS:

1. PRE-STRESSED PRECAST HOLLOW-CORE CEILING PLANKS TO BE STRESCOR BY STRESCOR OR APPROVED EQUAL.
2. DESIGN PRECAST ELEMENTS TO CSA-A23.3 AND CSA-A23.4 TO CARRY HANDLING STRESSES.
3. DESIGN PRECAST ELEMENTS TO CARRY LOADS IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (NBC), 2010 EDITION.
4. TOLERANCES OF PRECAST ELEMENTS TO CSA-A23.4, SECTION 10, AND AS FOLLOWS:
LENGTH: +/- 1/2"
CROSS SECTIONAL DIMENSIONS: +/- 1/2"
DEVIATIONS FROM STRAIGHT LINES NOT TO EXCEED 1/2" IN 10 FEET.
PRECAST ELEMENTS NOT TO VARY BY MORE THAN 1/2" FROM TRUE OVERALL CROSS SECTIONAL SHAPE AS MEASURED BY DIFFERENCE IN DIAGONAL DIMENSIONS.
BOWING AND WARPAGE: NOT TO EXCEED PANEL LENGTH/240.
LOCATION OF PLATES, ANCHORS, AND INSERTS NOT TO EXCEED 3/4" FROM CENTERLINE LOCATION.
LOCATION OF OPENINGS: +/- 3/4"
5. CONTRACTOR TO SUBMIT SHOP DRAWINGS WHICH INCLUDES DETAILS OF PRECAST PLANKS INCLUDING REINFORCING DETAILS, LIFTING HARDWARE, TEMPORARY SUPPORT DETAILS, ERECTION PROCEDURES, BRACING, DETAILS OF OPENINGS, SLEEVES, INSERTS, AND RELATED REINFORCEMENT. SHOP DRAWINGS SHALL BEAR THE STAMP AND SIGNATURE OF A QUALIFIED PROFESSIONAL ENGINEER LICENSED IN PROVINCE OF NOVA SCOTIA.
6. PRECAST CONCRETE ELEMENTS TO BE FABRICATED BY MANUFACTURING PLANT CERTIFIED BY CANADIAN STANDARDS ASSOCIATION TO CSA-A251 AND SHALL HAVE A MINIMUM OF 5 YEARS EXPERIENCE IN THE PRODUCTION OF PRECAST HOLLOW-CORE CONCRETE SLABS.
7. PANELS SHALL BE FREE OF VOIDS, CRACKS, SPALLS, PROTRUSIONS, OR NON-UNIFORM TEXTURE. ALL HOLES SHALL BE FILLED WITH DRY-PACK GROUT TO PRESENT SMOOTH SURFACE.

STRUCTURAL STEEL:

1. FOR NEW STEEL, ALL STEEL SHAPES SHOWN IN IMPERIAL SIZES UNLESS NOTED OTHERWISE. WHERE POSSIBLE, USE SALVAGED W6x15 AND S8x18.4 BEAMS FROM EXISTING MONORAIL TO FABRICATE NEW MONORAIL SYSTEM. MONORAIL SYSTEM AND COMPONENTS TO BE DESIGNED FOR 1 TON CAPACITY.
2. STRUCTURAL STEEL TO CONFORM TO CSA G40.21-13. W SHAPES GRADE 350W
CHANNELS, ANGLES, PLATES GRADE 300W
ANCHOR BOLTS GRADE 300W
HOLLOW STRUCTURAL SHAPES CLASS C OR ASTM A500 GRADE C
SCHEDULE 40 PIPE ASTM A500
3. PAINTING: PREPARE ALL SURFACES TO SSPC-SP1 & SPP AND APPLY QUICK DRY SHOP PRIMER IN ACCORDANCE WITH CISCO/CPMA 2-75. REVISE TO FIELD PAINTING. 2 COATS SELF-PRIMING RUST PAINT. CLEAN SURFACES TO BE FIELD WELDED, DO NOT PAINT.
4. TOUCH-UP BOLTS, FIELD WELDS, BURNED OR SCRATCHED SURFACES AT COMPLETION.
5. ALL WELDING TO BE IN ACCORDANCE WITH CSA W59-13. FABRICATOR SHALL BE CERTIFIED UNDER DIVISION 1 OR 21 OF CSA W47.1-09 (R2014). CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL STRUCTURES.
7. ALL WELDING ELECTRODES TO BE E49XX CLASSIFICATION, CERTIFIED TO CSA STANDARD W48-14 AND APPROVED BY THE CANADIAN WELDING BUREAU. DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO CSA-S16-09.
8. ADHESIVE ANCHORS: INSTALL ALL IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. MONORAIL SHALL BE PAINTED YELLOW AND SHALL BE LABELLED WITH PAINTED BOLD BLACK LETTERING WITH A MINIMUM HEIGHT OF 5" WITH FOLLOWING LOAD CAPACITY: SWL 200 LBS

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NOTES

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NO	DESCRIPTION	Y - M - D
REVISIONS		

SEAL

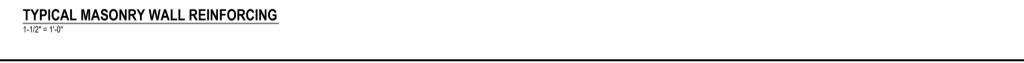
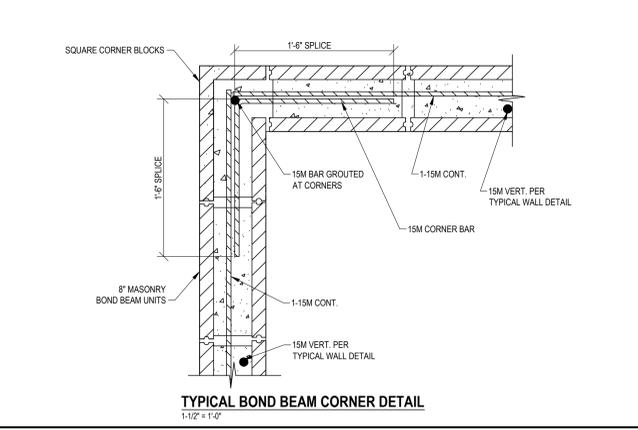
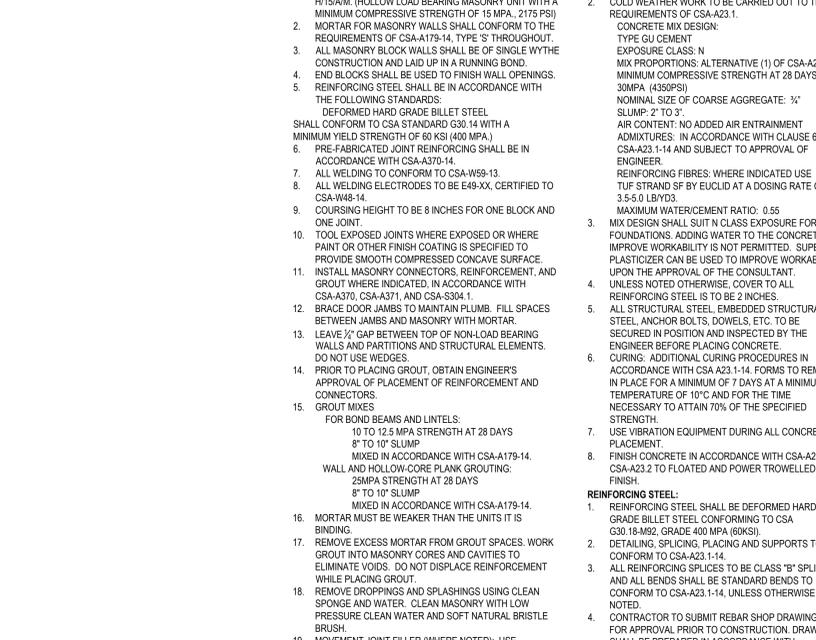
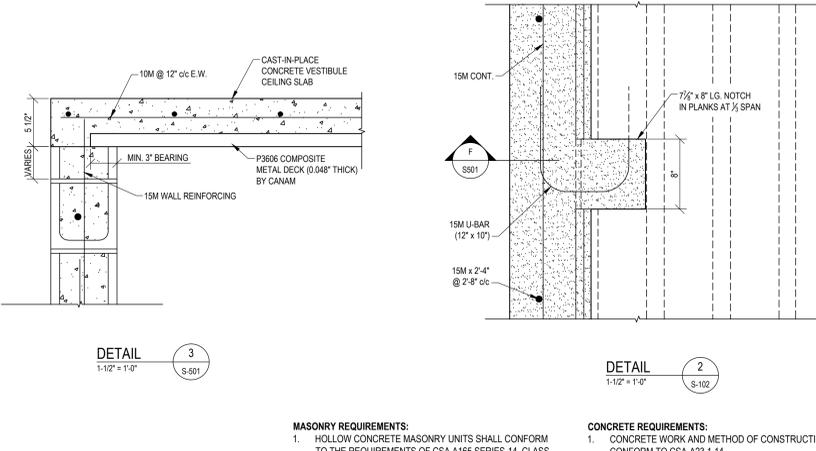
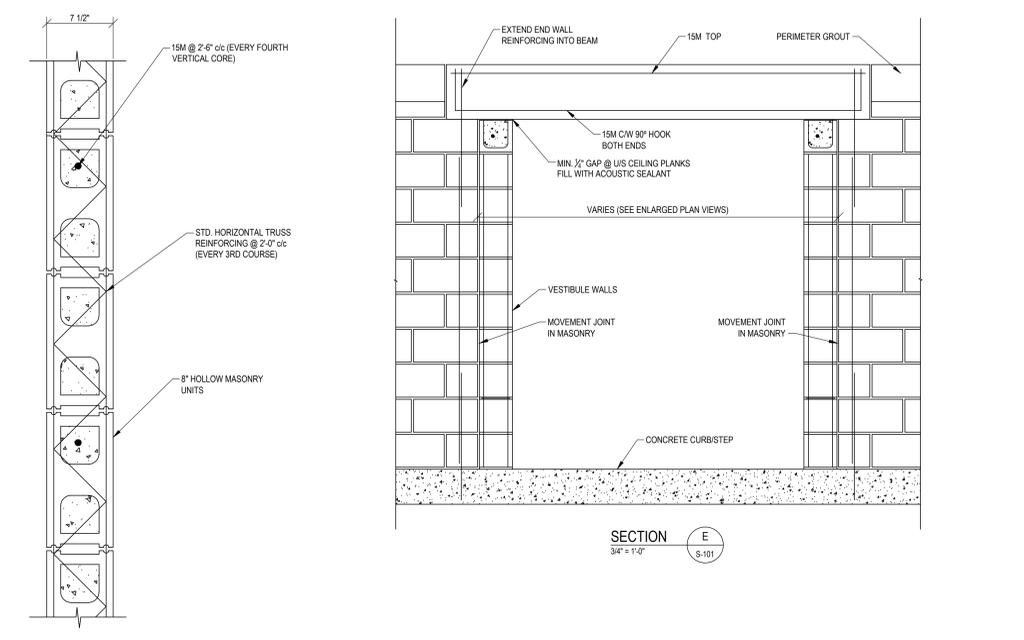
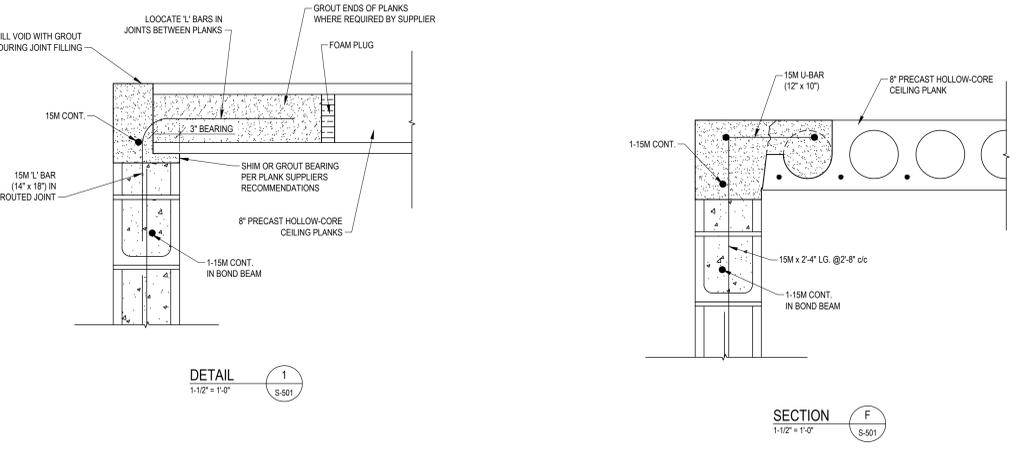
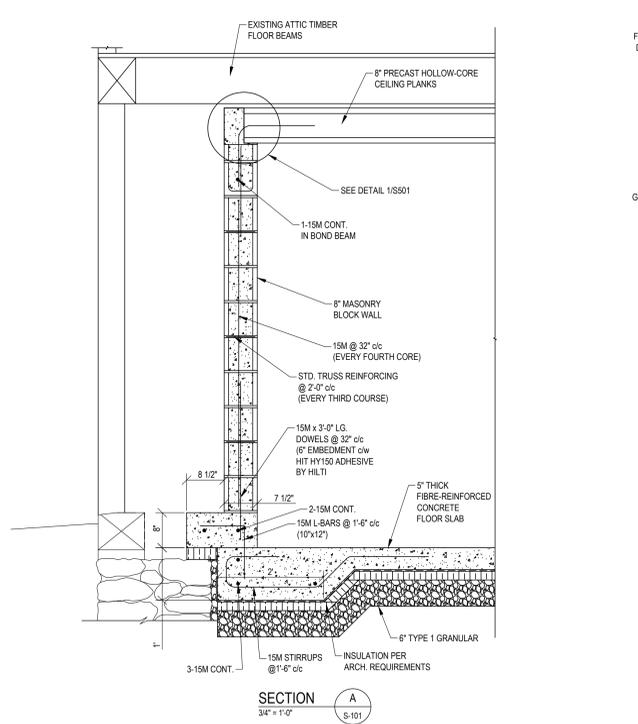
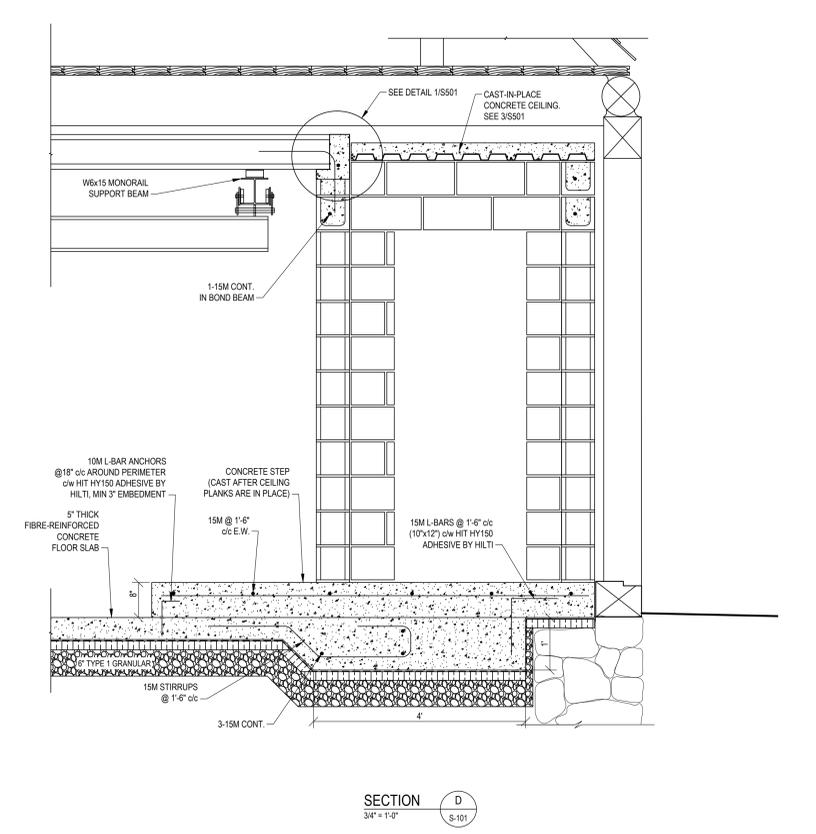
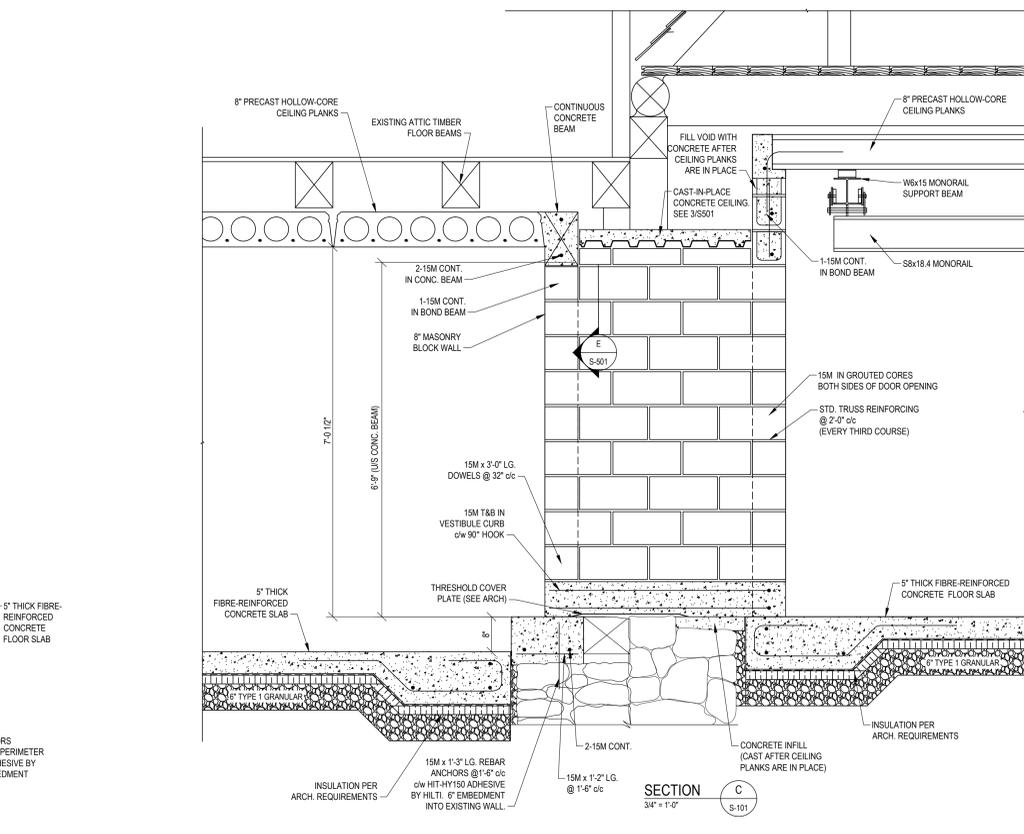
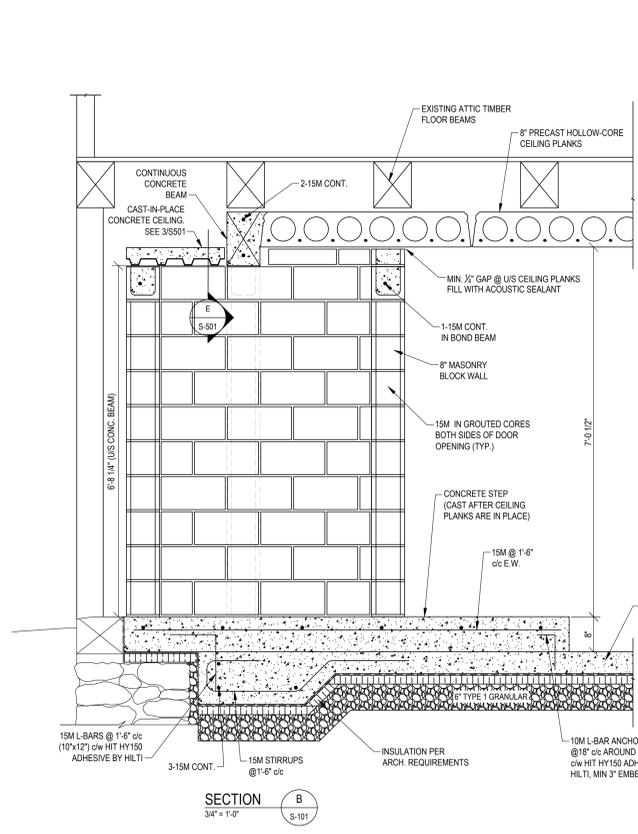
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PROJECT
CARPENTRY MILL SHOP
Fortress of Louisburg,
Louisbourg, N.S.

DRAWING
BARON MAGAZIN / DELORT II
CEILING PLANK PLAN

DRAWN BY ATC
CHECKED BY SMH
SCALE AS NOTED
PLOT DATE 2016-11-03

CAD FILE DRWG.
S-102



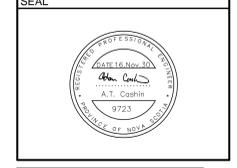
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NOTES

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NO.	DESCRIPTION	Y - M - D
0	ISSUED FOR CONSTRUCTION	16-11-25

REVISIONS		



Trifos ARCHITECTURE
 INTERIORS

PROJECT
CARPENTRY MILL SHOP
 Fortress of Louisbourg
 Louisbourg, N.S.

DRAWING
 SECTIONS AND DETAILS

DRAWN BY ATC
CHECKED BY SMH
SCALE AS NOTED
PLOT DATE 2016-11-03

CAD FILE DRWG_S501

- MASONRY REQUIREMENTS:**
- HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO THE REQUIREMENTS OF CSA A115 SERIES 14, CLASS HY-BAM, (HOLLOW LOAD-BEARING MASONRY UNIT WITH A MINIMUM COMPRESSIVE STRENGTH OF 15 MPA, 2175 PSI)
 - MORTAR FOR MASONRY WALLS SHALL CONFORM TO THE REQUIREMENTS OF CSA-A179-14, TYPE 'S' THROUGHOUT.
 - ALL MASONRY BLOCK WALLS SHALL BE OF SINGLE-WYTHE CONSTRUCTION AND LAID UP IN A RUNNING BOND.
 - END BLOCKS SHALL BE USED TO FINISH WALL OPENINGS.
 - REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 DEFORMED HARD GRADE BILLET STEEL SHALL CONFORM TO CSA STANDARD G30.14 WITH A MINIMUM YIELD STRENGTH OF 60 KSI (400 MPA.)
 PRE-FABRICATED JOINT REINFORCING SHALL BE IN ACCORDANCE WITH CSA-A370-14.
 - ALL WELDING TO CONFORM TO CSA-W59-13.
 - ALL WELDING ELECTRODES TO BE E49-XX, CERTIFIED TO CSA-W48-14.
 - COURSING HEIGHT TO BE 8 INCHES FOR ONE BLOCK AND ONE JOINT.
 - TOOL EXPOSED JOINTS WHERE EXPOSED OR WHERE PAINT OR OTHER FINISH COATING IS SPECIFIED TO PROVIDE SMOOTH COMPRESSED CONCAVE SURFACE.
 - INSTALL MASONRY CONNECTORS, REINFORCEMENT, AND GROUT WHERE INDICATED, IN ACCORDANCE WITH CSA-A370, CSA-A371, AND CSA-S304.1.
 - BRACE DOOR JAMBS TO MAINTAIN PLUMB. FILL SPACES BETWEEN JAMBS AND MASONRY WITH MORTAR.
 - LEAVE 1/2" GAP BETWEEN TOP OF NON-LOAD BEARING WALLS AND PARTITIONS AND STRUCTURAL ELEMENTS. DO NOT USE WEDGES.
 - PRIOR TO PLACING GROUT, OBTAIN ENGINEER'S APPROVAL OF PLACEMENT OF REINFORCEMENT AND CONNECTORS.
 - GROUT MIXES:
 FOR BOND BEAMS AND LINTELS:
 10 TO 12.5 MPA STRENGTH AT 28 DAYS
 8" TO 10" SLUMP
 MIXED IN ACCORDANCE WITH CSA-A179-14.
 WALL AND HOLLOW-CORE PLANK GROUTING:
 25MPA STRENGTH AT 28 DAYS
 8" TO 10" SLUMP
 MIXED IN ACCORDANCE WITH CSA-A179-14.
 - MORTAR MUST BE WEAKER THAN THE UNITS IT IS BONDING.
 - REMOVE EXCESS MORTAR FROM GROUT SPACES. WORK GROUT INTO MASONRY CORES AND CAVITIES TO ELIMINATE VOIDS. DO NOT DISPLACE REINFORCEMENT WHILE PLACING GROUT.
 - REMOVE DROPPINGS AND SPLASHINGS USING CLEAN SPONGE AND WATER. CLEAN MASONRY WITH LOW PRESSURE CLEAN WATER AND SOFT NATURAL BRISTLE BRUSH.
 - MOVEMENT JOINT FILLER (WHERE NOTED): USE PURPOSE-MADE ELASTOMER, 70 DUROMETER HARDNESS TO ASTM D2240. USE EXPANDED POLYETHYLENE FOAM JOINT BACK-UP MATERIAL.
- CONCRETE REQUIREMENTS:**
- CONCRETE WORK AND METHOD OF CONSTRUCTION TO CONFORM TO CSA-A23.1-14.
 - COLD WEATHER WORK TO BE CARRIED OUT TO THE REQUIREMENTS OF CSA-A23.1. CONCRETE MIX DESIGN:
 TYPE GU CEMENT
 EXPOSURE CLASS: N
 MIX PROPORTIONS: ALTERNATIVE (1) OF CSA-A23.1-14
 MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS: 30MPA (4350PSI)
 NOMINAL SIZE OF COARSE AGGREGATE: 3/4"
 SLUMP: 2" TO 3"
 AIR CONTENT: NO ADDED AIR ENTRAINMENT ADMIXTURES. IN ACCORDANCE WITH CLAUSE 6 OF CSA-A23.1-14 AND SUBJECT TO APPROVAL OF ENGINEER.
 REINFORCING FIBRES: WHERE INDICATED USE TUF STRAND SF BY EUCLID AT A DOSING RATE OF 3.5-6.0 LB/YD3
 MAXIMUM WATER/CEMENT RATIO: 0.55
 MIX DESIGN SHALL SUIT N CLASS EXPOSURE FOR FOUNDATIONS. ADDING WATER TO THE CONCRETE TO IMPROVE WORKABILITY IS NOT PERMITTED. SUPER PLASTICIZER CAN BE USED TO IMPROVE WORKABILITY UPON THE APPROVAL OF THE CONSULTANT.
 UNLESS NOTED OTHERWISE, COVER TO ALL REINFORCING STEEL IS TO BE 2 INCHES.
 - ALL STRUCTURAL STEEL EMBEDDED STRUCTURAL STEEL, ANCHOR BOLTS, DOWELS, ETC. TO BE SECURED IN POSITION AND INSPECTED BY THE ENGINEER BEFORE PLACING CONCRETE.
 - CURING: ADDITIONAL CURING PROCEDURES IN ACCORDANCE WITH CSA-A23.1-14. FORMS TO REMAIN IN PLACE FOR A MINIMUM OF 7 DAYS AT A MINIMUM TEMPERATURE OF 10°C AND FOR THE TIME NECESSARY TO ATTAIN 70% OF THE SPECIFIED STRENGTH.
 USE VIBRATION EQUIPMENT DURING ALL CONCRETE PLACEMENT.
 - FINISH CONCRETE IN ACCORDANCE WITH CSA-A23.1 & CSA-A23.2 TO FLOATED AND POWER TROWELLED FINISH.
- REINFORCING STEEL:**
- REINFORCING STEEL SHALL BE DEFORMED HARD GRADE BILLET STEEL CONFORMING TO CSA G30.18-M92, GRADE 400 MPA (60KSI).
 - DETAILING, SPLICES, PLACING AND SUPPORTS TO CONFORM TO CSA-A23.1-14.
 - ALL REINFORCING SPLICES TO BE CLASS 'B' SPLICES AND ALL BENDS SHALL BE STANDARD BENDS TO CONFORM TO CSA-A23.1-14, UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO SUBMIT REBAR SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION. DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH REINFORCING STEEL MANUAL OF STANDARD PRACTICE BY THE REINFORCING STEEL INSTITUTE OF ONTARIO.