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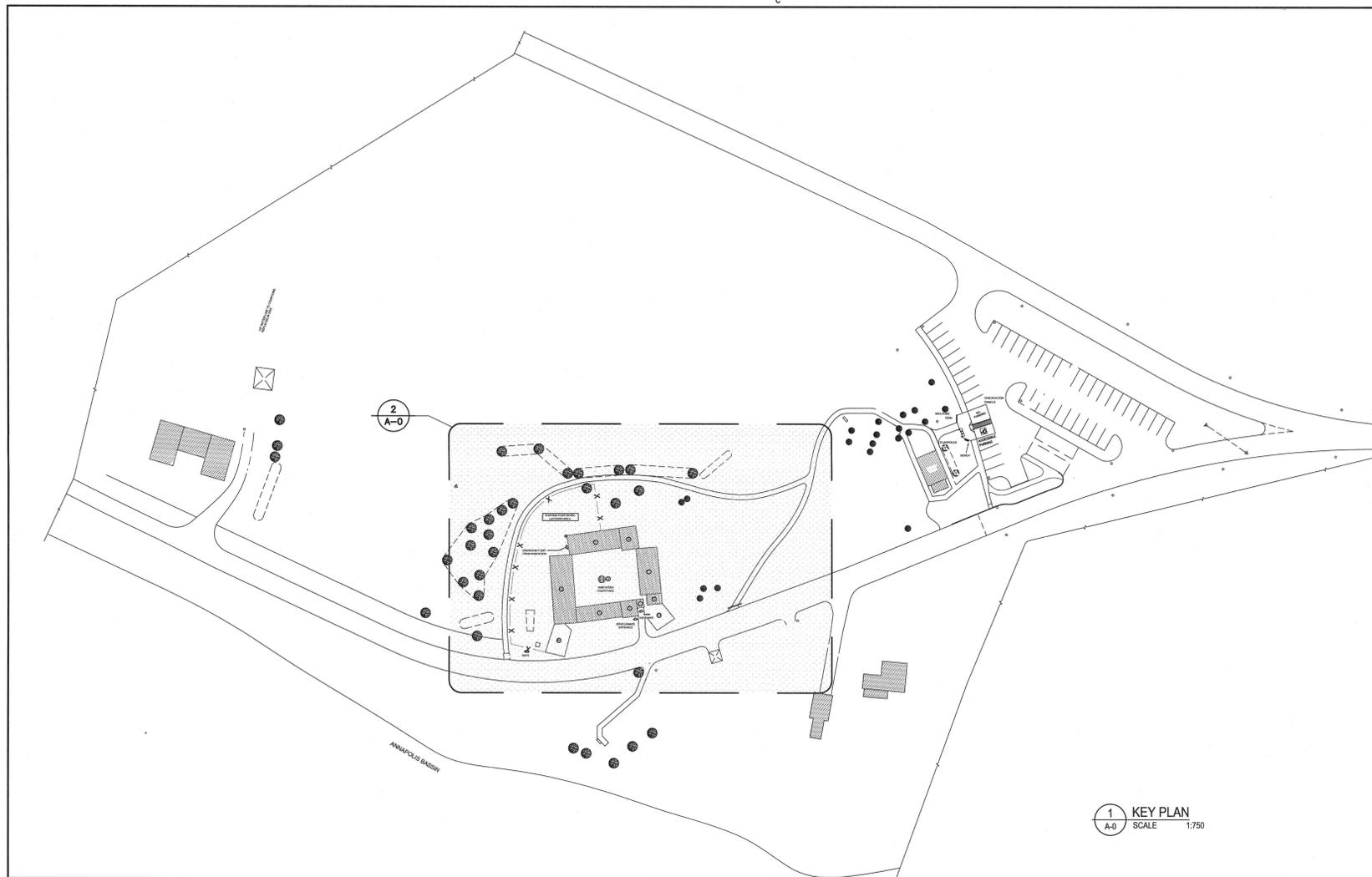
RENEWAL PROJECT PORT ROYAL HABITATION NATIONAL HISTORIC SITE PORT ROYAL, NS

DRAWING LIST

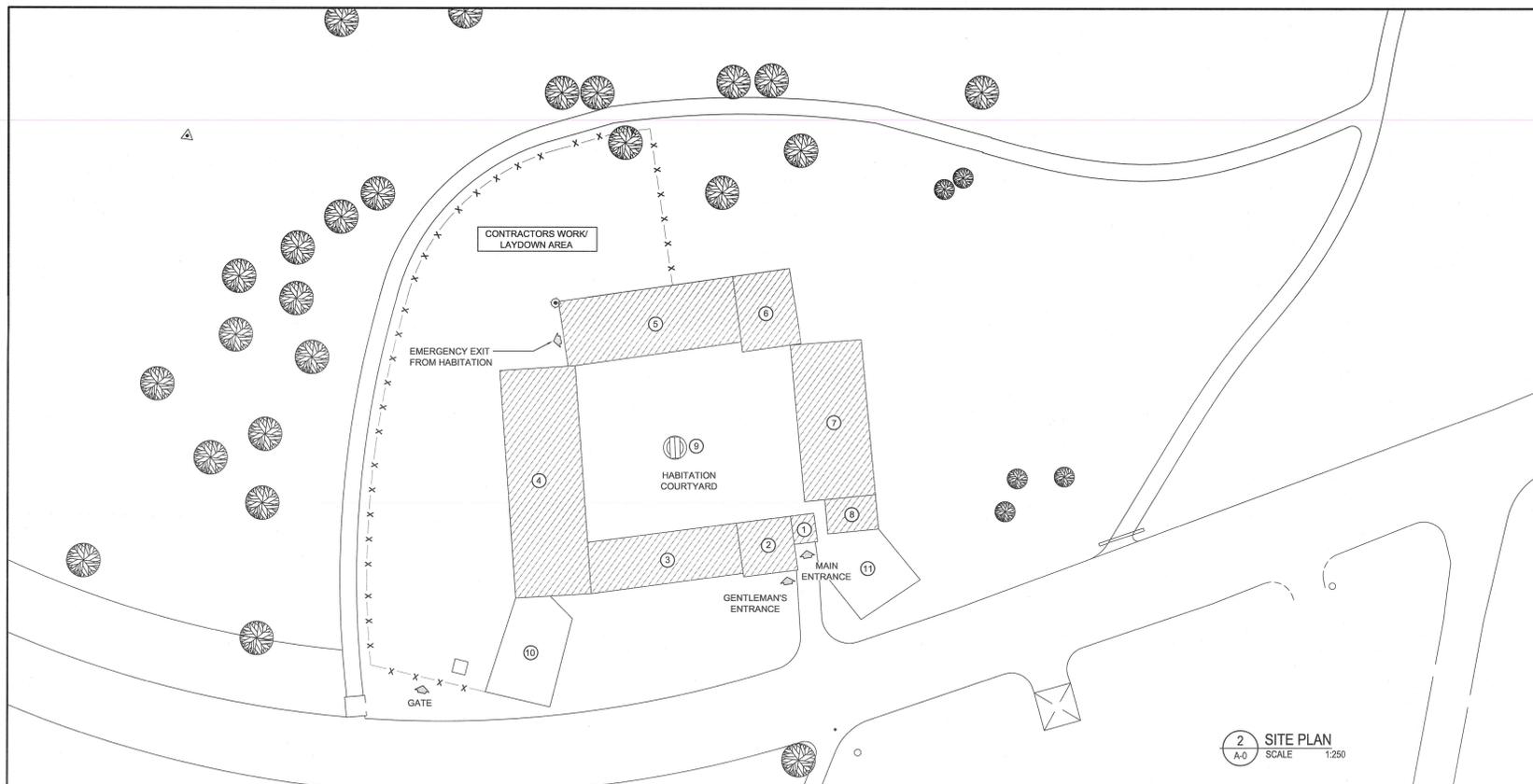
- A-0 KEY PLAN
- A-1 FLOOR PLANS
- A-2 ROOF PLAN
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PROJECT NO. PCA: 738 (MBA 15-567)

Canada

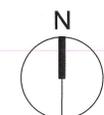


1 KEY PLAN
A-0 SCALE 1:750



2 SITE PLAN
A-0 SCALE 1:250

- LEGEND
- BUILDING NUMBERS
1. MAIN GATE
 2. GENTLEMEN'S ENTRANCE
 3. KITCHEN/BLACKSMITH SHOP
 4. COMMUNITY SLEEPING QUARTERS
 5. SLEEPING QUARTERS
 6. GOVERNORS HOUSE
 7. TRADING/STORAGE BUILDING
 8. GUARD ROOM
 9. WELL HOUSE
 10. CANNON PLATFORM
 11. PALISADE



0	ISSUED FOR TENDER	SEPT 8 2017
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revisions date

project RENEWAL PROJECT
 PORT ROYAL
 HABITATION
 NATIONAL HISTORIC SITE
 PORT ROYAL, NS

drawing dessin

HABITATION
KEY PLAN

designed MRB conçu
 date
 drawn MBA dessiné
 date
 approved MRB approuvé
 date



Tender JN Soumission
 PWGSC Project Manager Administrateur de projets TPSCG
 project number 15-567 no. du projet
 drawing no. A-0 no. du dessin

ROOM LEGEND

1. THE GATEWAY
2. EXHIBIT ROOM
3. BLACKSMITH'S SHOP
4. KITCHEN
5. BAKE SHOP
6. COMMUNITY ROOM
7. CANNON PLATFORM
8. ARTISAN'S BUILDING
9. UPPER DORMITORY
10. THE CHAPEL
11. GENTLEMEN'S RESIDENCE
12. GENTLEMEN'S RESIDENCE
13. GENTLEMEN'S RESIDENCE
14. GENTLEMEN'S RESIDENCE
15. GOVERNOR'S HOUSE
16. UPPER STORE-ROOM
17. LOWER STORE-ROOM/WINE CELLAR
18. TRADING ROOM
19. GUARD ROOM
20. PALLSADE
21. WELL
22. GOVERNOR'S SLEEPING QUARTERS
23. SAIL LOFT
24. DOVECOTE
25. ATTIC

NOTE:
ALL DIMENSIONS ARE APPROXIMATE.
CONTRACTOR TO SITE VERIFY

LEGEND:

- ◆ WALL NUMBER ID
- ⊕ ROOM ID. SEE LEGEND ABOVE



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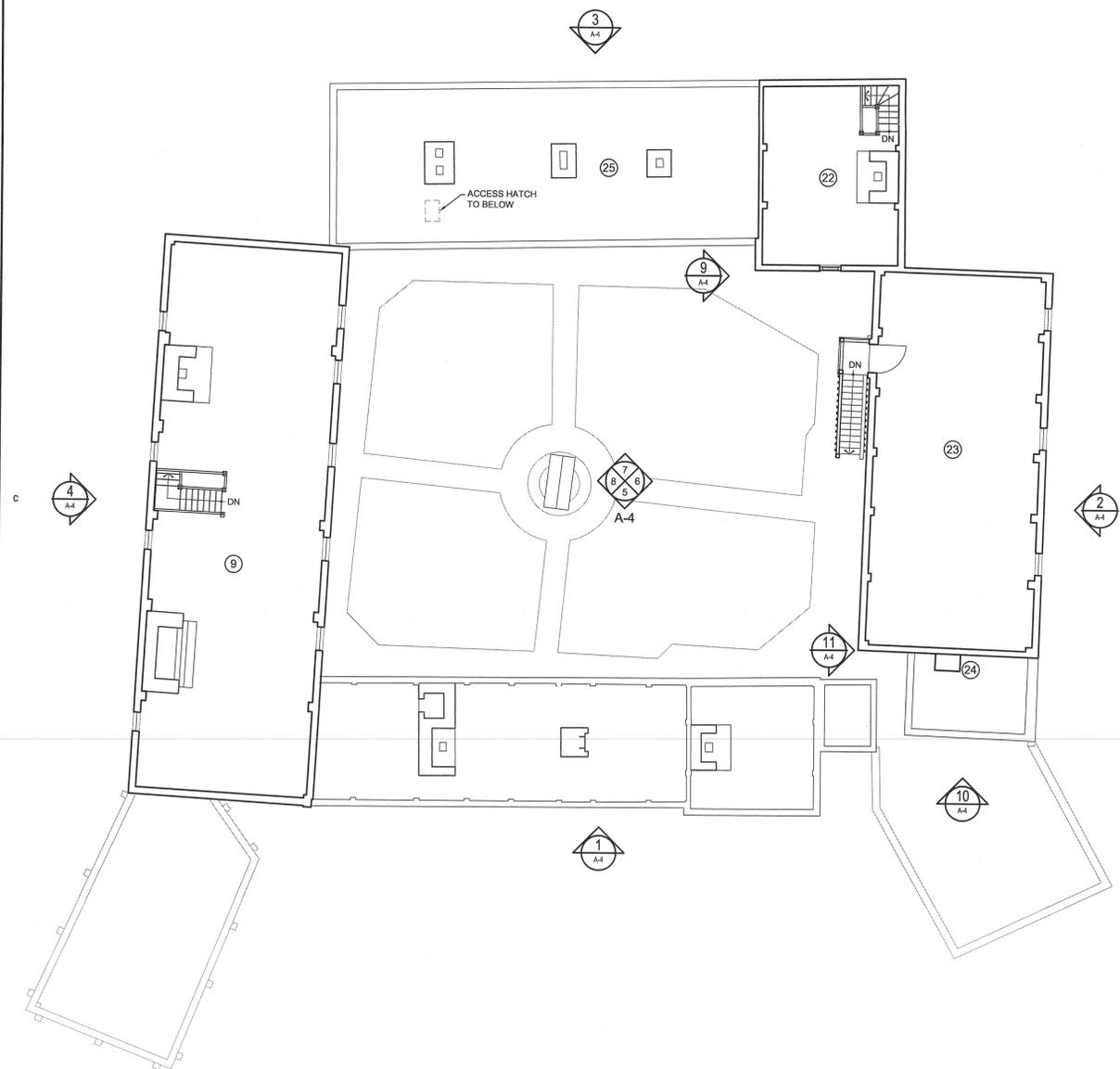
project	RENEWAL PROJECT PORT ROYAL HABITATION NATIONAL HISTORIC SITE PORT ROYAL, NS	project
drawing		dessin

**HABITATION
MAIN & SECOND
FLOOR PLAN**

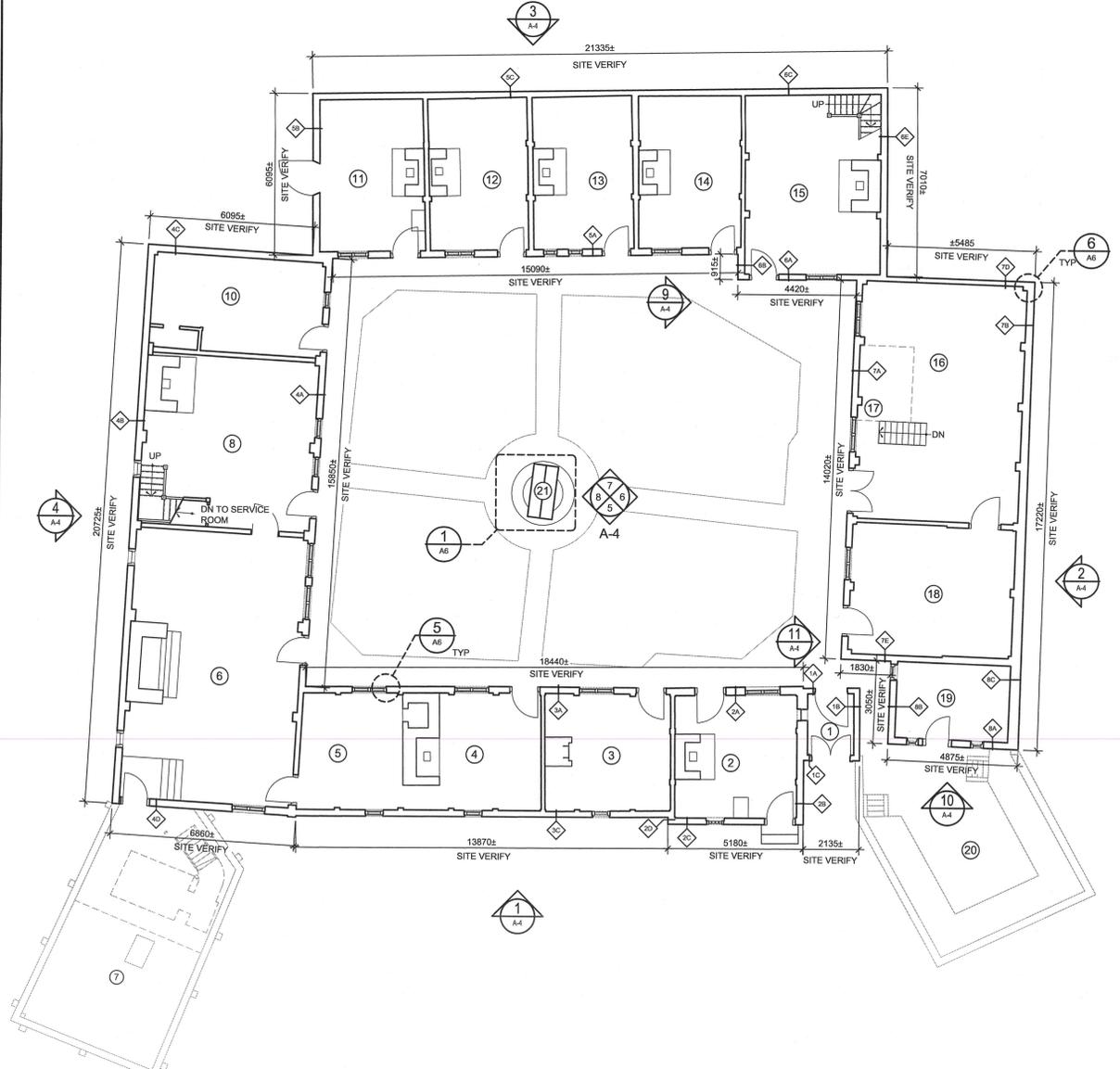
designed	MRB	conçu
drawn	MBA	dessiné
approved	MRB	approuvé



Tender	JN	Submission
PM/SC Project Manager	Administrateur de projets TP50C	
project number	15-567	no. du projet
drawing no.	A-1	no. du dessin



2 SECOND LEVEL
SCALE 1:100



1 MAIN LEVEL
SCALE 1:100

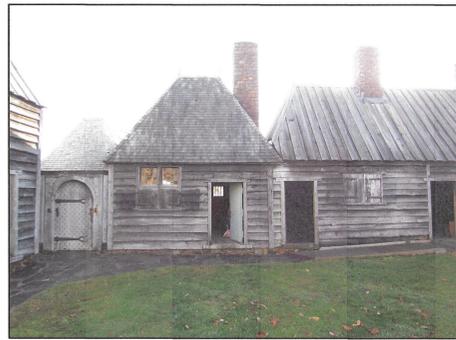


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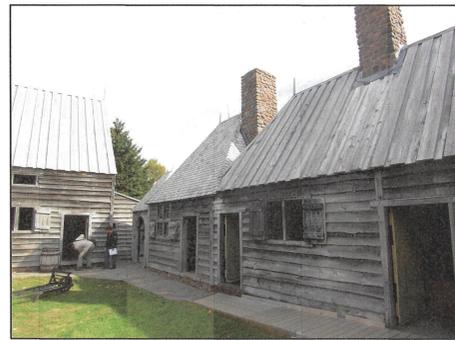


PHOTO #2



PHOTO #3



PHOTO #4

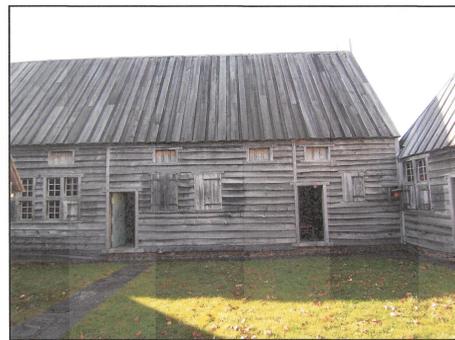


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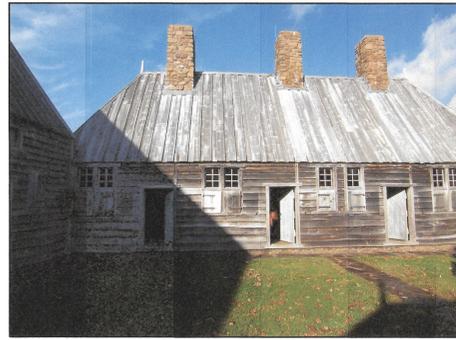


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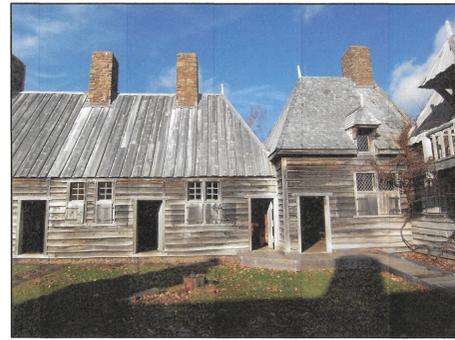


PHOTO #7



PHOTO #8



PHOTO #9

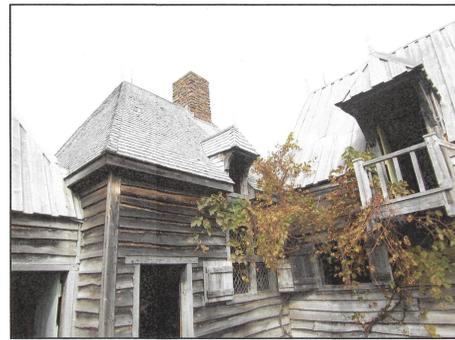


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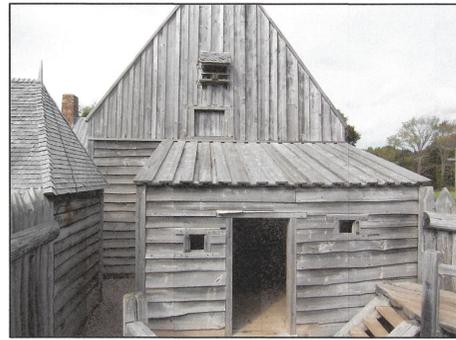


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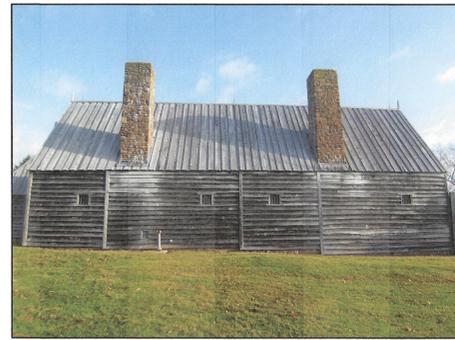


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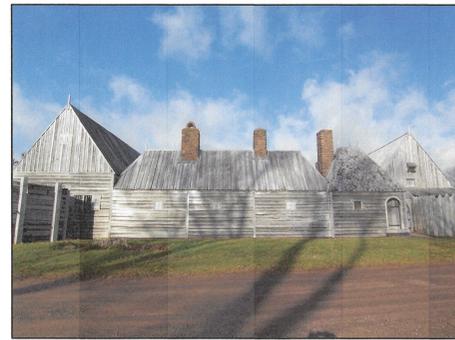


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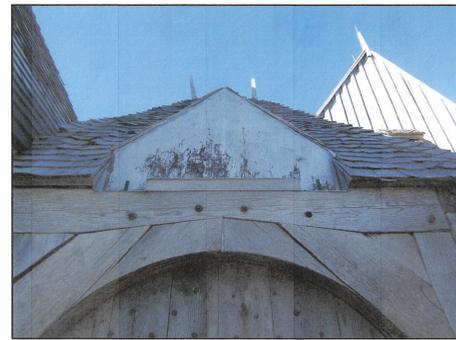


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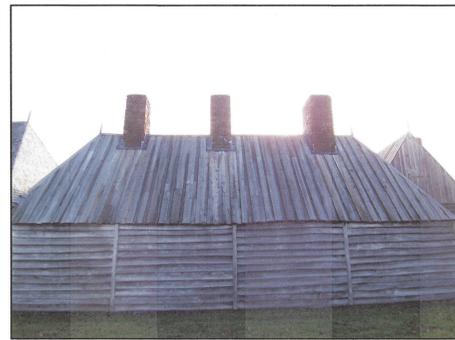


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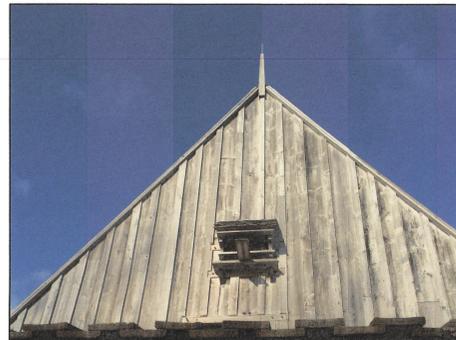


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PHOTO #17

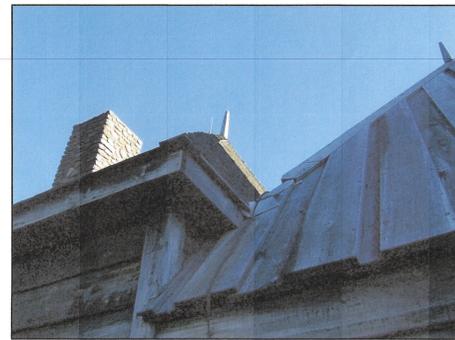


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PHOTO #19



PHOTO #20

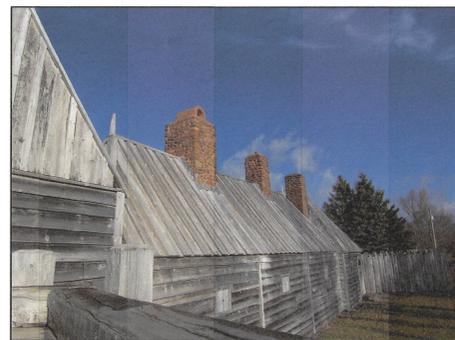


PHOTO #21



PHOTO #22



PHOTO #23



PHOTO #24

0	ISSUED FOR TENDER	SEPT 8 2017
revisions		date
project		projet

RENEWAL PROJECT
PORT ROYAL
HABITATION
NATIONAL HISTORIC SITE
PORT ROYAL, NS

drawing dessin

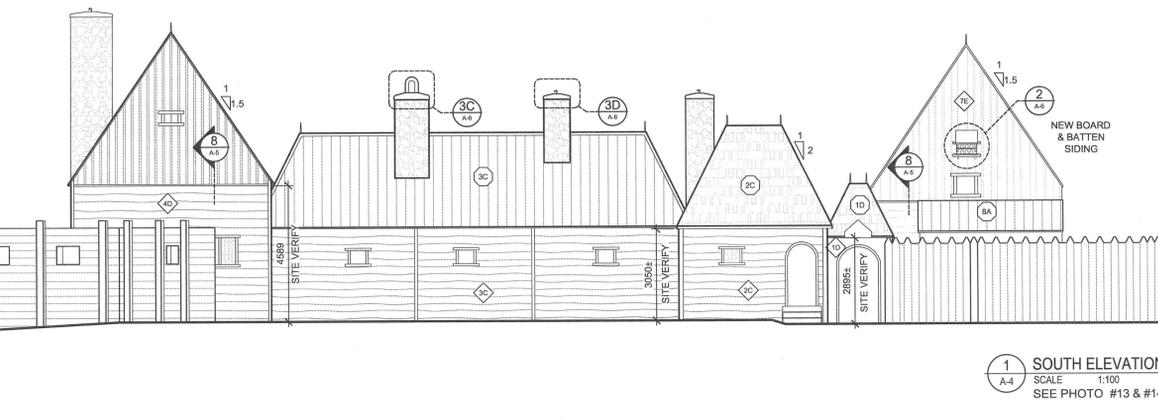
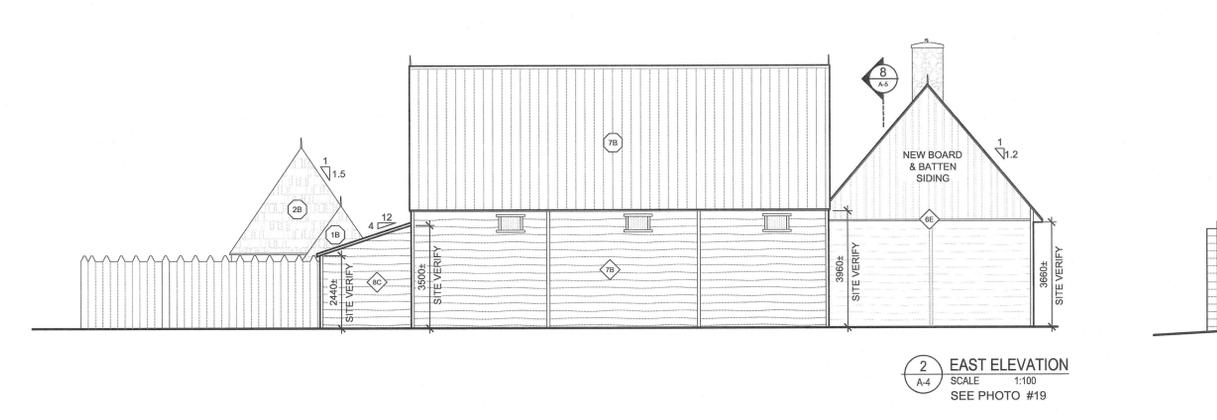
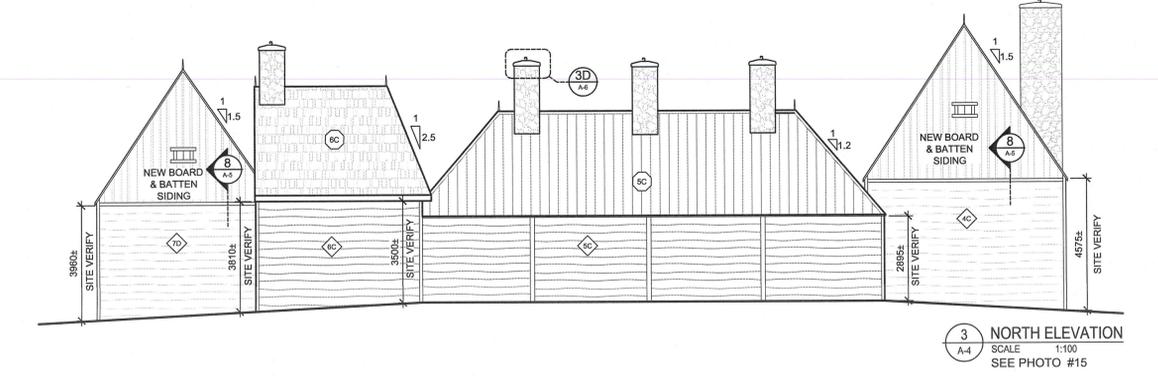
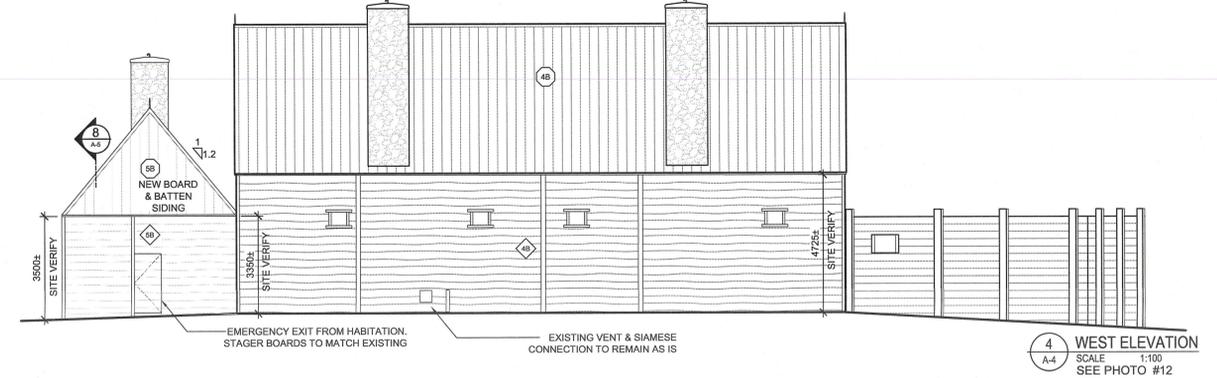
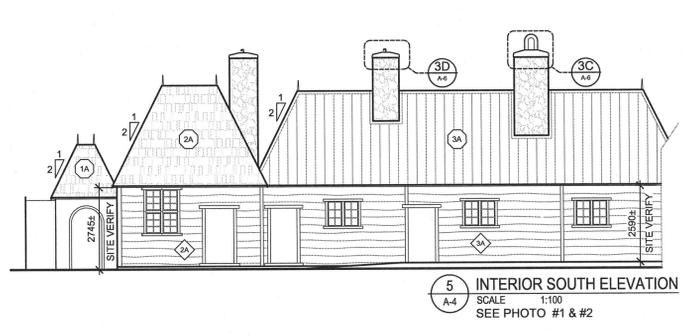
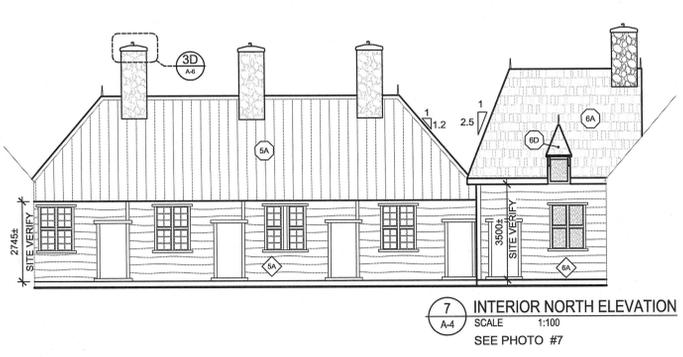
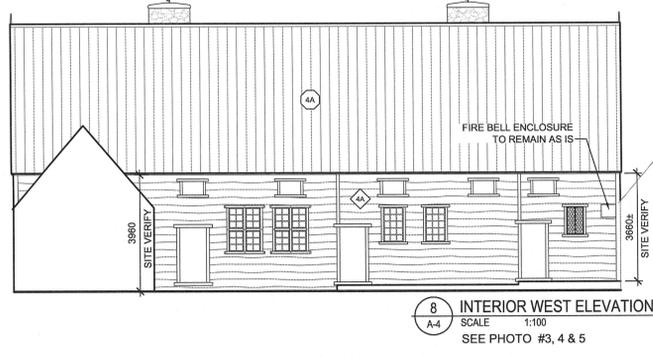
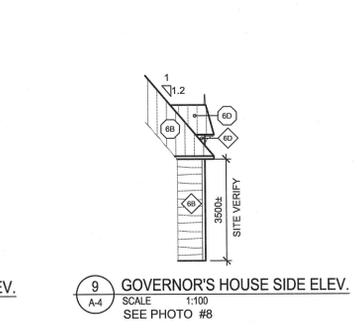
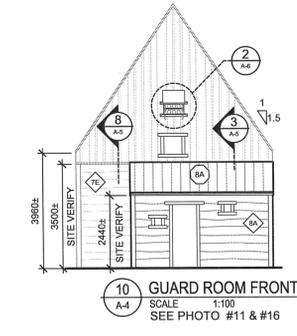
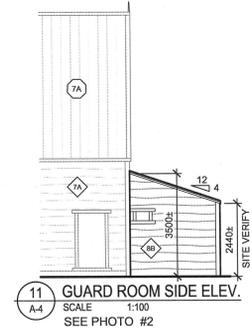
HABITATION
PHOTOGRAPHS

designed	MRB	conçu
date		
drawn	ARD	dessiné
date		
approved	MRB	approuvé
date		
Tender	JN	Submission
PWSSC Project Manager	Administrateur de projets TPSGC	
project number	15-567	no. du projet
drawing no.	A-3	no. du dessin

ORDER OF SIDING CONSTRUCTION

SALVAGED BOARDS TO BE USED UNTIL SUPPLY IS GONE,
THEN NEW BOARDS IN ORDER OF LIST BELOW

- | | |
|--------|--------|
| 1. 2A | 13. 7E |
| 2. 2B | 14. 8B |
| 3. 2C | 15. 8A |
| 4. 2D | 16. 8C |
| 5. 3A | 17. 4B |
| 6. 3C | 18. 4C |
| 7. 4D | 19. 7B |
| 8. 4A | 20. 7D |
| 9. 5A | 21. 6E |
| 10. 6A | 22. 6C |
| 11. 6B | 23. 5C |
| 12. 7A | 24. 5B |



GENERAL NOTES:
TYPICAL ALL WOOD ROOFING REMOVED AND REPLACED AS SPECIFIED.
EXISTING TOP BOARDS TO BE REMOVED SO THEY CAN BE REUSED. THE INTENT IS TO REPLACE ALL THE BOTTOM BOARDS & INSPECT THE TOP BOARDS WITH A DEPARTMENTAL REPRESENTATIVE AND REUSE WHAT IS DETERMINED FIT TO REINSTALL.

THERE IS A QUANTITY OF ROOFING BOARDS SUPPLIED BY THE OWNER AS FOLLOWS:
2400 METERS OF BOTTOM BOARDS IN 200,250 & 300mm WIDTHS. BOARD LENGTHS RANGE FROM 3.6m TO 4.9m. BOARD WIDTHS ARE APPROXIMATELY DISTRIBUTED AS FOLLOWS:
200mm = 27%
250mm = 58%
300mm = 15%

1450 METERS OF TOP BOARDS IN 200,250 & 300mm WIDTHS. BOARD LENGTHS RANGE FROM 3.6m TO 4.9m. BOARD WIDTHS ARE APPROXIMATELY DISTRIBUTED AS FOLLOWS:
200mm = 14%
250mm = 72%
300mm = 14%

SURPLUS BOARDS TO REMAIN PROPERTY OF PARKS CANADA.

ALL OTHER MATERIAL TO BE SUPPLIED BY CONTRACTOR.

GENERAL NOTES FOR SIDING:
THE EXISTING SIDING IS TO BE REVIEWED WITH A DEPARTMENTAL REPRESENTATIVE TO CHECK FOR DETERIORATED SIDING BOARDS ON EACH BUILDING FACE. PARKS CANADA IS SUPPLYING 300M OF NEW SIDING LUMBER. EACH BOARD DEEMED TO BE REPLACED, WILL NEED TO BE REMOVED. THE EXISTING TAR PAPER IS TO BE REPAIRED AS REQUIRED, WITH NEW SHEET AIR BARRIER. NEW SIDING TO BE INSTALLED TO REPLICATE EXISTING. THE QUANTITY OF SIDING BOARDS SUPPLIED BY THE OWNER AS FOLLOWS:
300 METERS OF TAPERED SIDING BOARDS THICKNESS FOR 30mm AT ONE EDGE TO APPROX. 6mm AT THE OPPOSITE EDGE. WIDTHS OF 350,400,450 & 500mm. WIDTHS THE BOARDS WILL HAVE 2 "LIVE EDGES" REPLICATING EXISTING SIDING. BOARD LENGTHS TO VARY FROM 3.6m TO 4.9m. LENGTHS AND WIDTHS TO BE EVENLY DISTRIBUTED THROUGHOUT THE ORDER. NEW SIDING IN THE GABLE ENDS BOARD & BATTEN SYSTEM TO REPLICATE EXISTING.

0	ISSUED FOR TENDER	SEPT 8 2017
revisions		date

project: RENEWAL PROJECT PORT ROYAL HABITATION NATIONAL HISTORIC SITE PORT ROYAL, NS

drawing: HABITATION EXTERIOR & INTERIOR ELEVATIONS

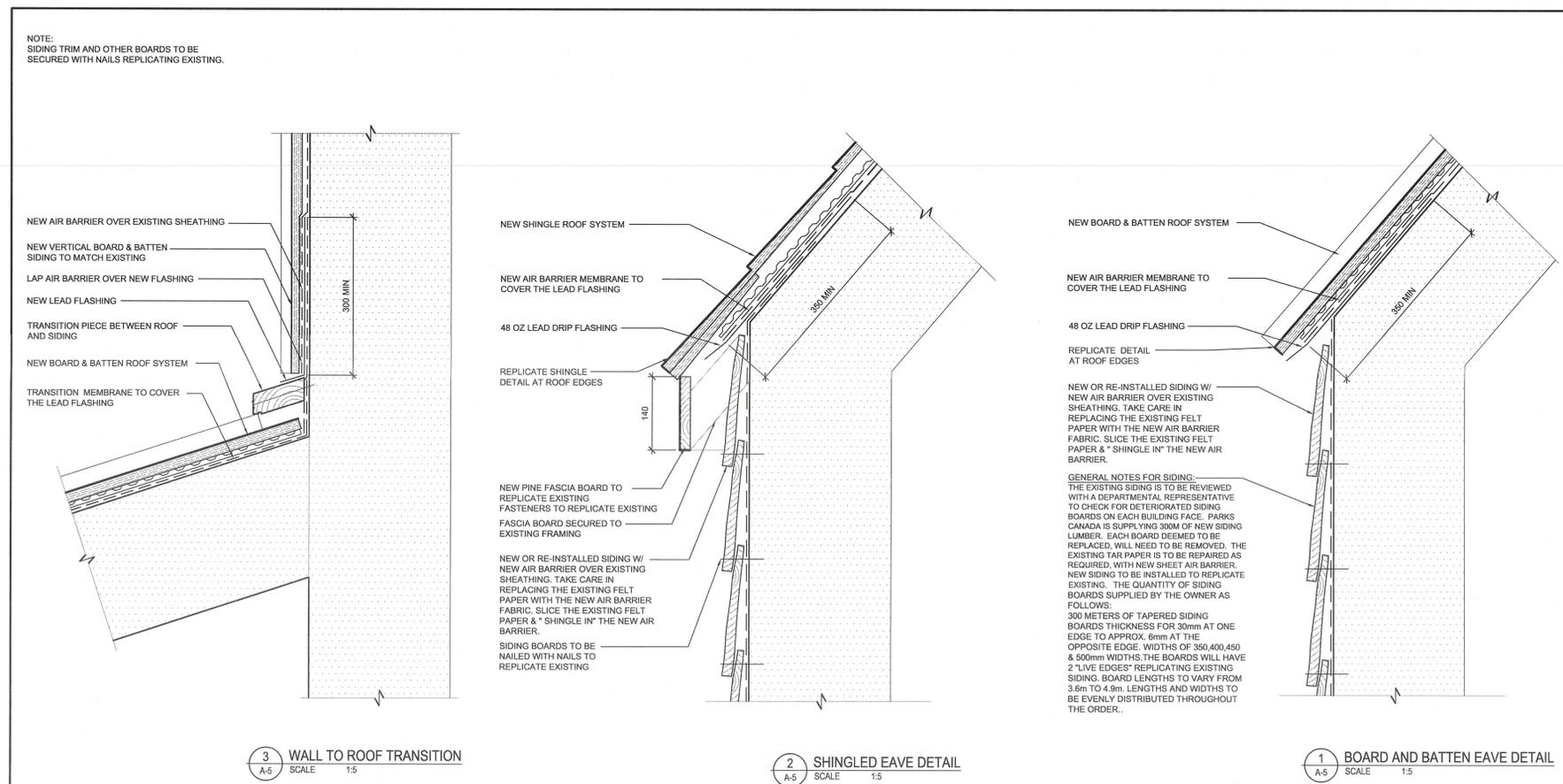
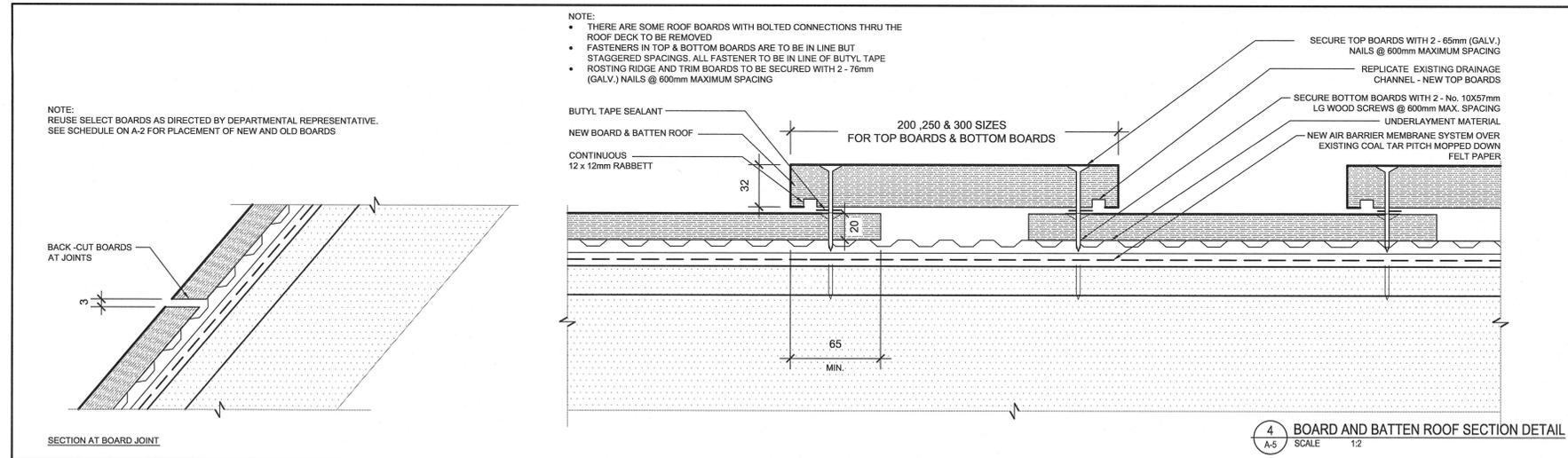
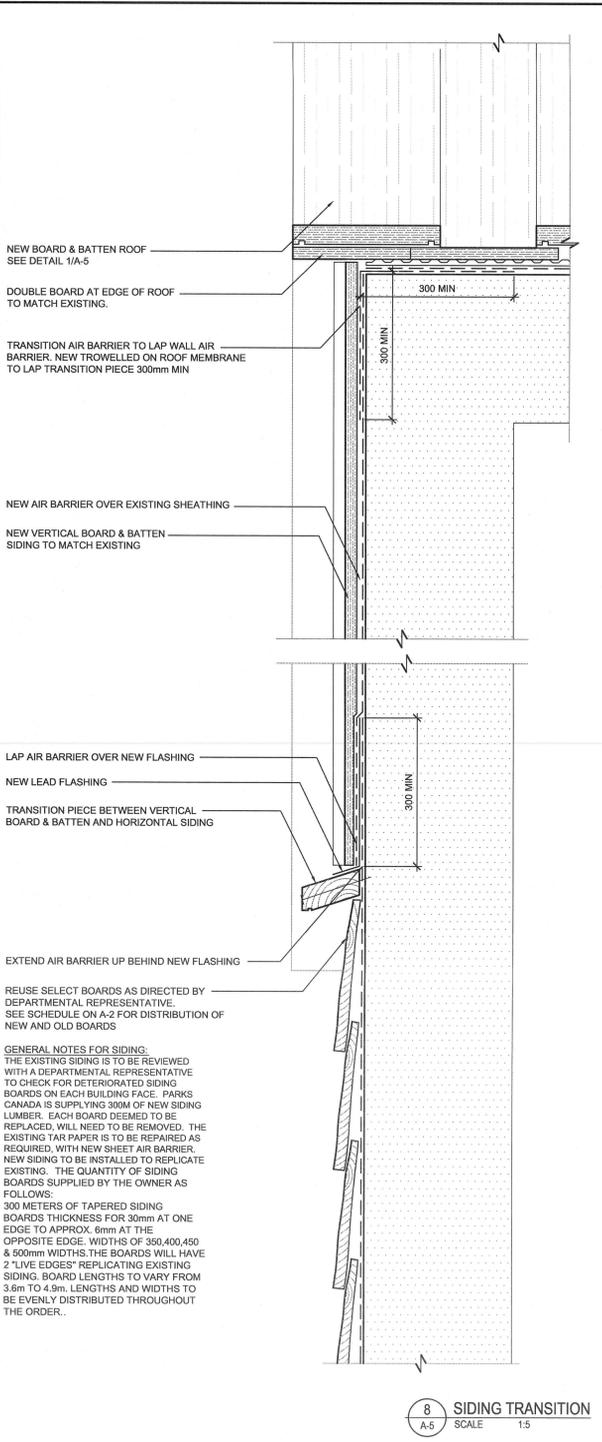
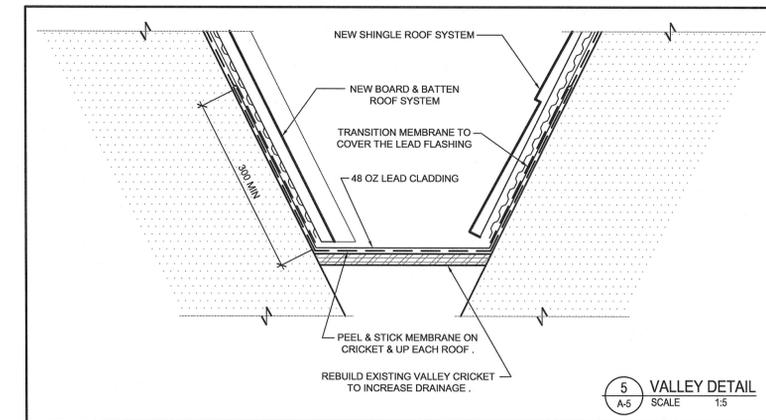
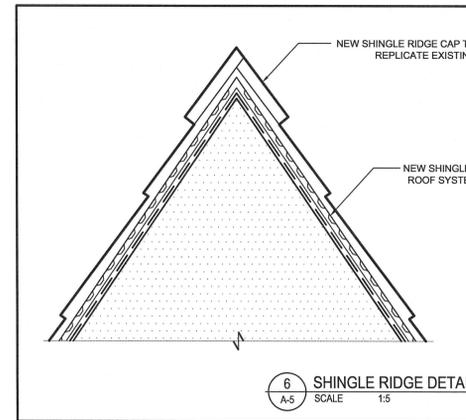
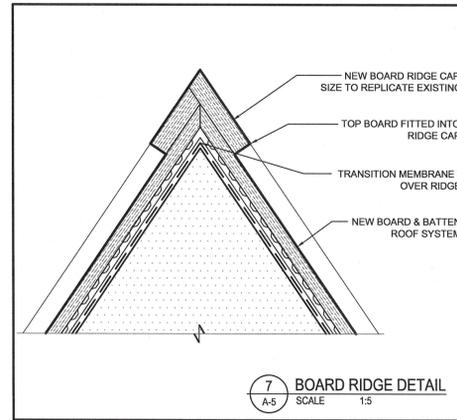
designed: MRB
drawn: MBA
approved: MRB



Tender: JN
PWGSC Project Manager: Administrateur de projets TPSGC
project number: 15-567
drawing no.: A-4

GENERAL TIMBER & FASTENING NOTES

1. ALL TIMBER COMPONENTS TO BE HAND CRAFTED TO REPLICATE THE EXISTING CONDITIONS.
2. ALL FASTENERS (NAILS, SCREWS, ETC.) TO HAVE A CORROSION RESISTANT FINISH.
3. ALL NAILS EXPOSED TO VIEW TO HAVE A SQUARE HEAD THAT SIMULATES THE SIZE AND SHAPE OF THE HAND WROUGHT HEADS OF THE EXISTING NAILS. SUBMIT SAMPLES FOR REVIEW BY DEPARTMENTAL REPRESENTATIVE.
4. SCREWS TO BE COUNTERSUNK AS INDICATED OR AS REQUIRED TO PROVIDE SUFFICIENT EMBEDMENT OF THE WOOD PLUGS.
5. ALL SCREWS AND NAILS TO BE INSTALLED IN PRE-DRILLED HOLES HAVING A DIAMETER OF 70% OF THE FASTENER DIAMETER UNLESS THE CONTRACTOR CAN DEMONSTRATE THAT SPLITTING OF THE WOOD WILL NOT OCCUR.
6. WHERE SPECIFIC FASTENING HAS NOT BEEN INDICATED FOR CERTAIN COMPONENTS OR WHERE SPECIAL CONDITIONS EXIST, PROVIDE FASTENINGS IN SIMILAR QUANTITIES, SPACINGS AND SIZES TO SIMILAR DETAILS INDICATED AND TO THE REQUIREMENTS OF PART 9 OF THE NATIONAL BUILDING CODE OF CANADA.



- NOTE:**
- THERE ARE SOME ROOF BOARDS WITH BOLTED CONNECTIONS THRU THE ROOF DECK TO BE REMOVED
 - FASTENERS IN TOP & BOTTOM BOARDS ARE TO BE IN LINE BUT STAGGERED SPACINGS. ALL FASTENER TO BE IN LINE OF BUTYL TAPE
 - ROSTING RIDGE AND TRIM BOARDS TO BE SECURED WITH 2 - 76mm (GALV.) NAILS @ 600mm MAXIMUM SPACING

NOTE:
REUSE SELECT BOARDS AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE. SEE SCHEDULE ON A-2 FOR PLACEMENT OF NEW AND OLD BOARDS

SECTION AT BOARD JOINT

NOTE:
SIDING TRIM AND OTHER BOARDS TO BE SECURED WITH NAILS REPLICATING EXISTING.

GENERAL NOTES FOR SIDING:
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300 METERS OF TAPERED SIDING BOARDS THICKNESS FOR 30mm AT ONE EDGE TO APPROX. 6mm AT THE OPPOSITE EDGE. WIDTHS OF 350,400,450 & 500mm WIDTHS. THE BOARDS WILL HAVE 2 "LIVE EDGES" REPLICATING EXISTING SIDING. BOARD LENGTHS TO VARY FROM 3.6m TO 4.9m. LENGTHS AND WIDTHS TO BE EVENLY DISTRIBUTED THROUGHOUT THE ORDER.

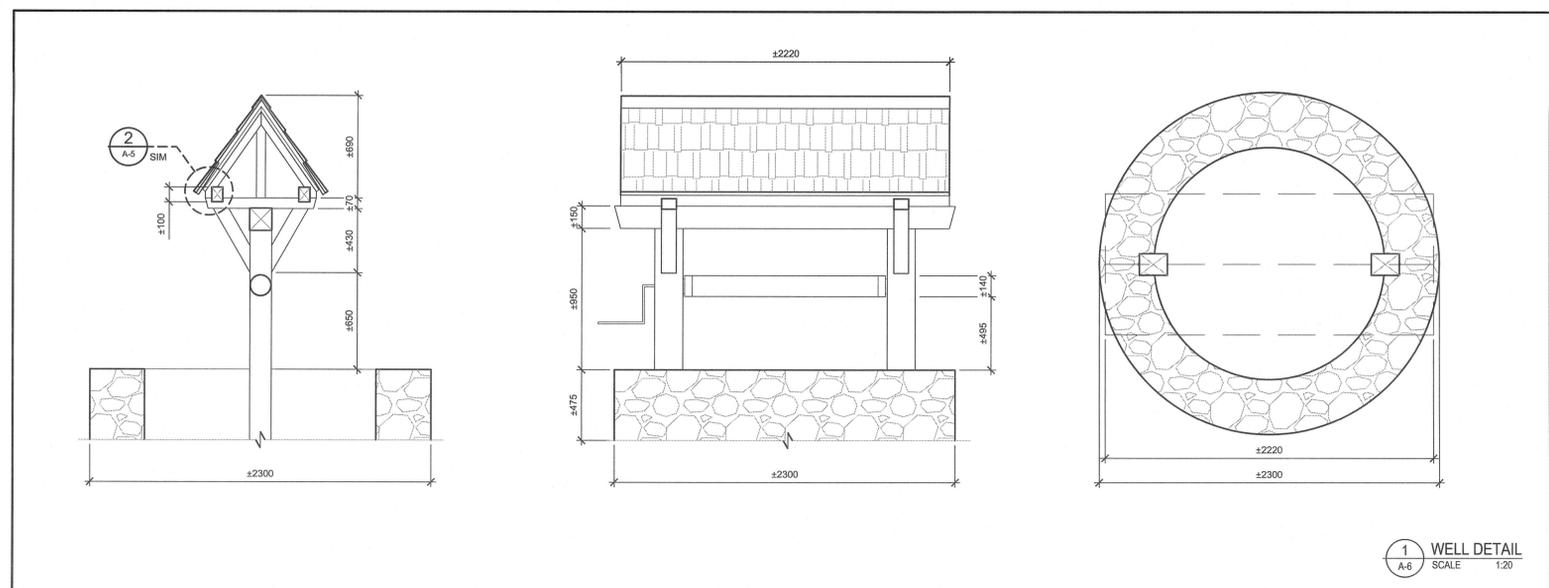
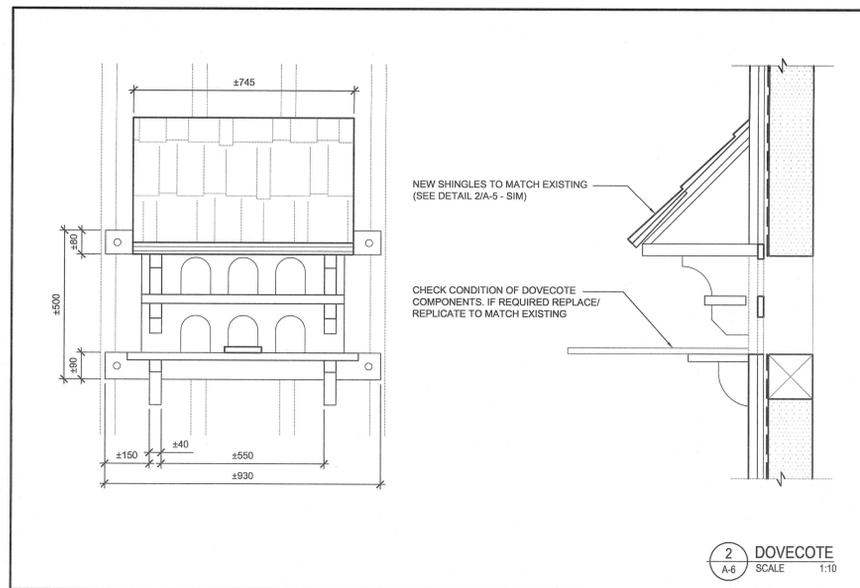
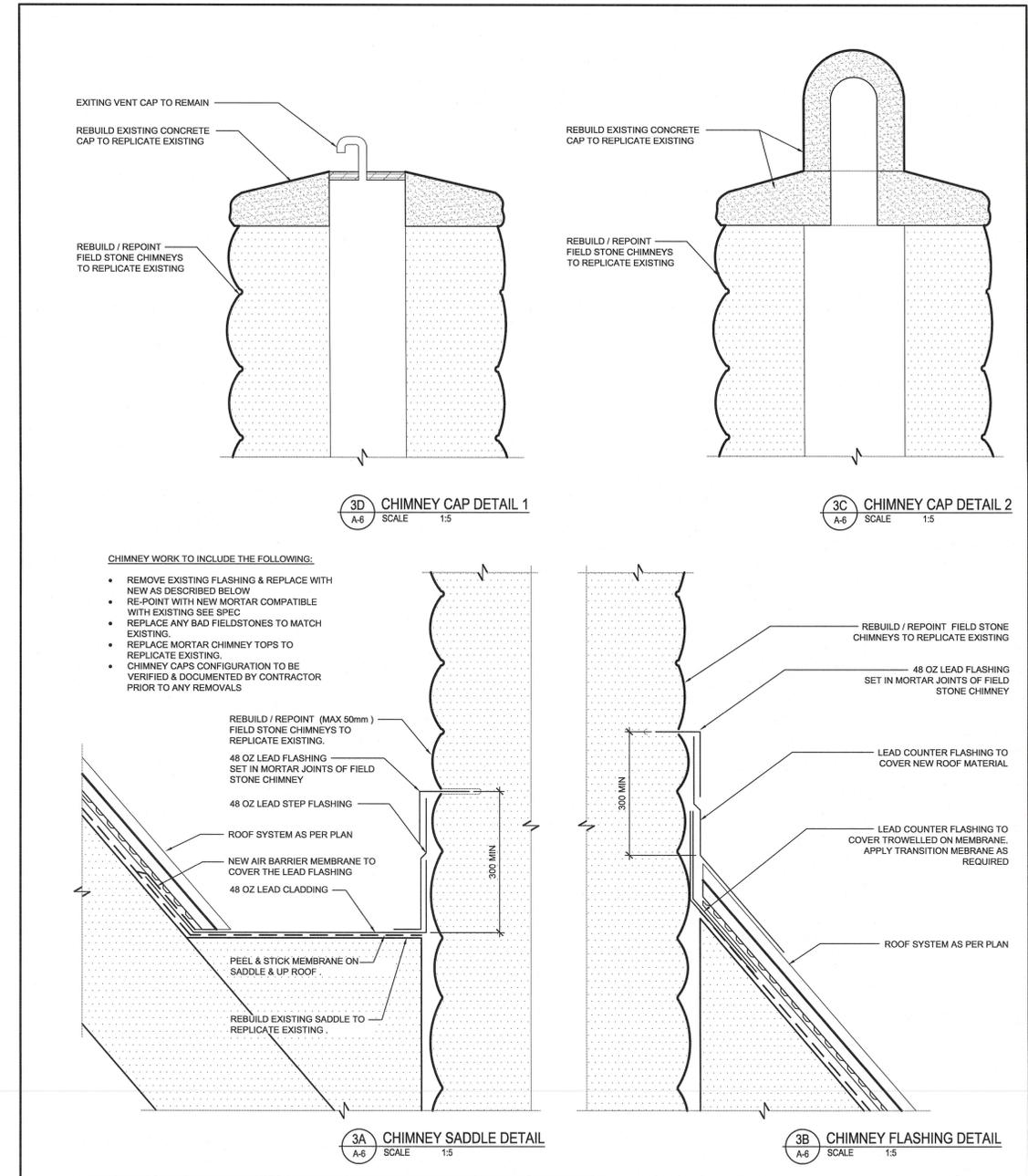
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drawing	desain	

HABITATION SECTION DETAILS

designed	MRB	conçu
date		
drawn	MBA	dessiné
date		
approved	MRB	approuvé
date		

Tender: JN
PWSCC Project Manager / Administrateur de projets TPSGC
project number: 15-567
no. du projet



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project		project

RENEWAL PROJECT
PORT ROYAL
HABITATION
NATIONAL HISTORIC SITE
PORT ROYAL, NS

HABITATION
SECTION DETAILS

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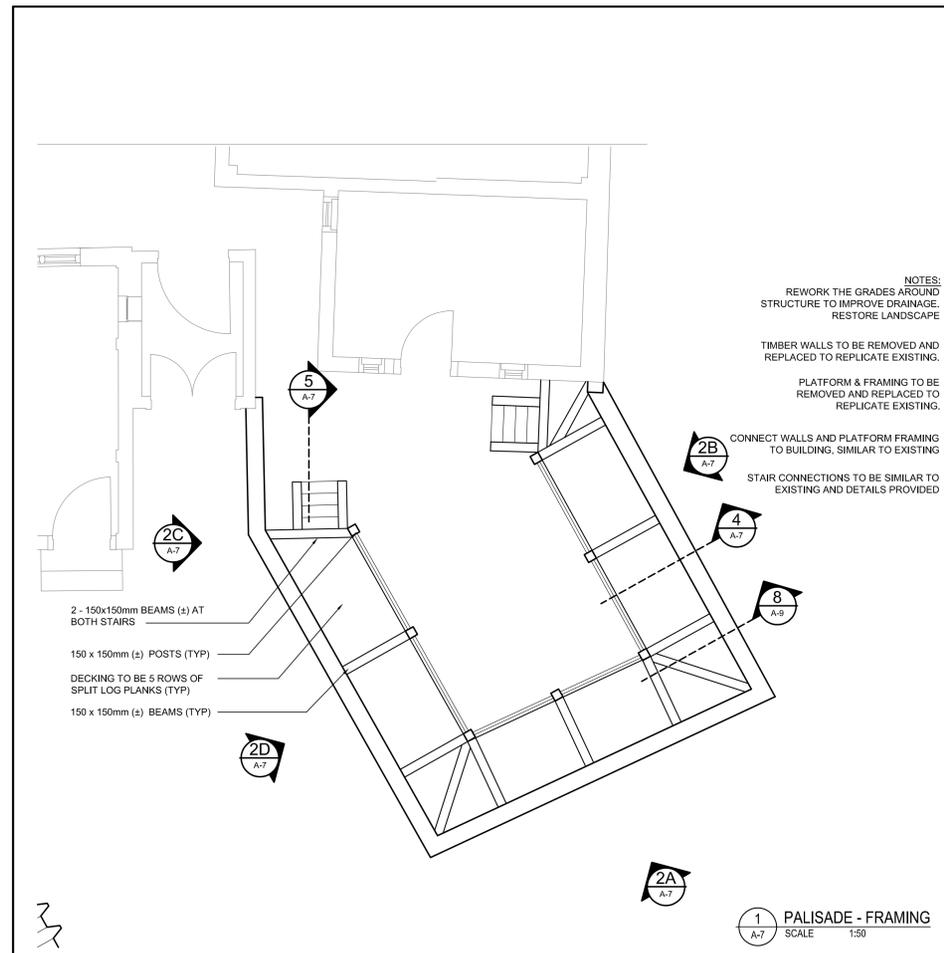
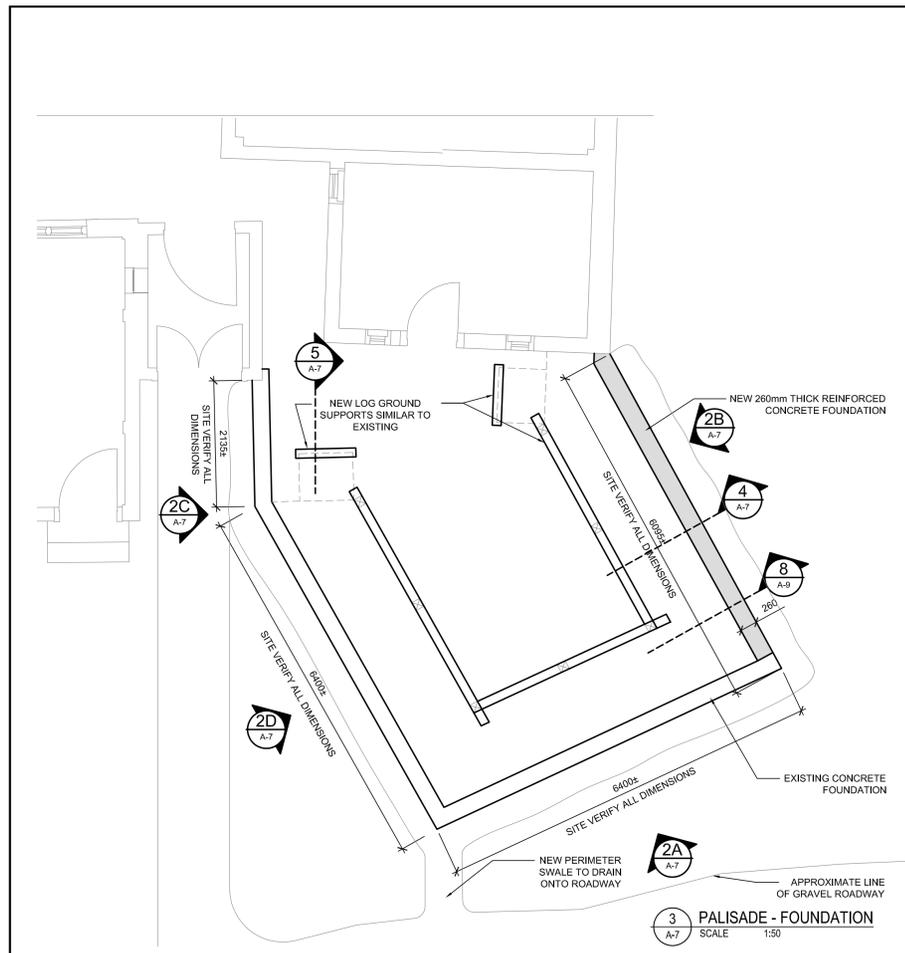
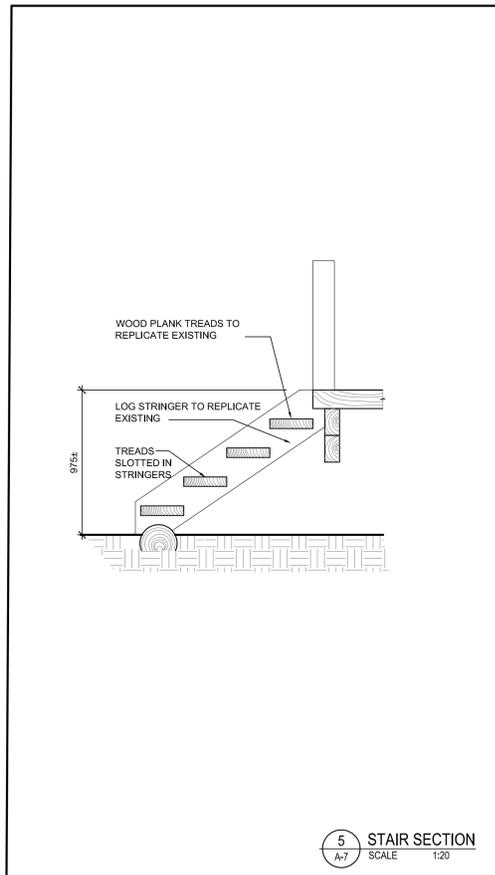
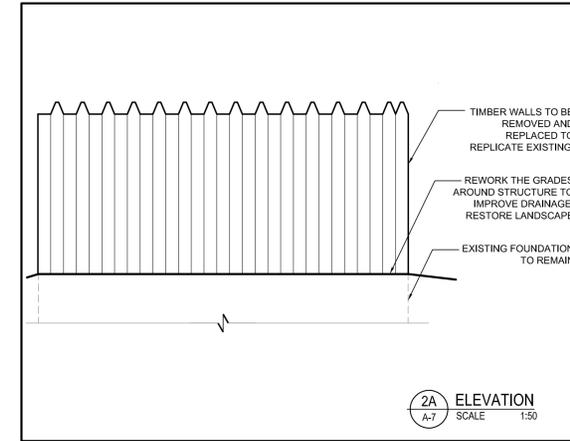
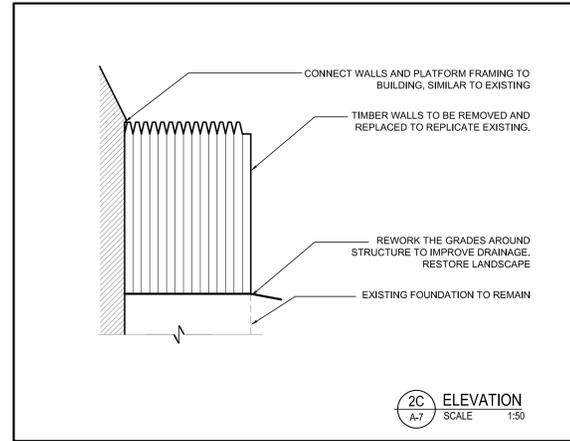
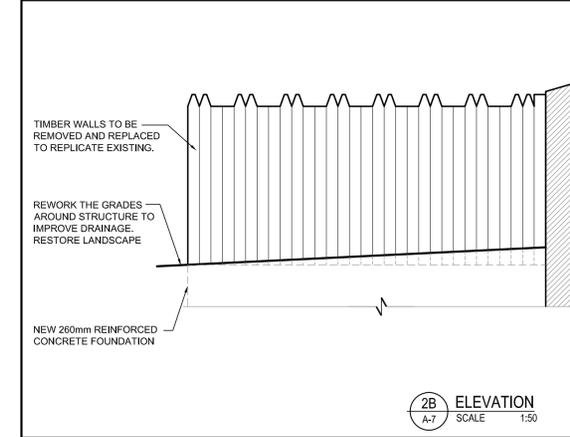
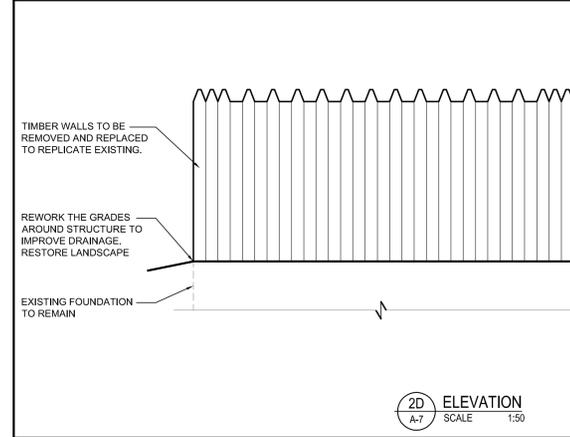
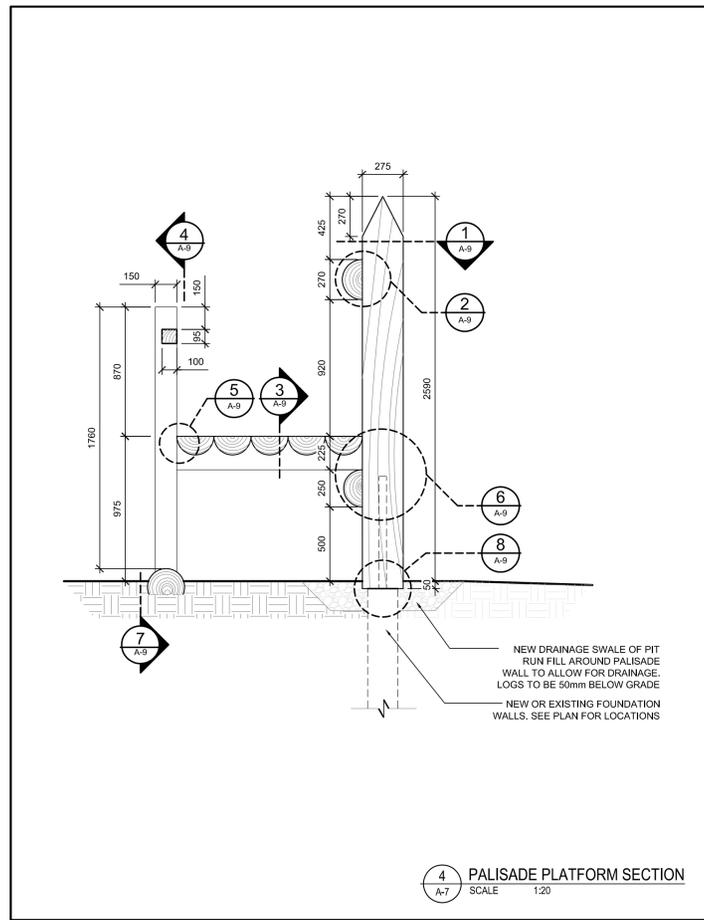
Tender	JN	Submission
PWGC Project Manager	Administrateur de projets TPSCG	
project number	15-567	no. du projet

drawing no. A-6 no. du dessin

CONCRETE NOTES

- GENERAL - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
- FOUNDATIONS ARE TO BE FOUNDED ON PROOF COMPACTED UNDISTURBED NATURAL MATERIAL.
- BACKFILL - FOOTING TRENCHES TO BE BACKFILLED WITH SELECT EXCAVATED MATERIAL SIMULTANEOUSLY ON BOTH SIDES OF FOUNDATION TO PREVENT DAMAGE FROM UNEQUAL SOIL PRESSURES.
- ALL FOUNDATION WORK SHALL BE CARRIED OUT UNDER THE DIRECTION OF THE DEPARTMENTAL REPRESENTATIVE. IF SOFT OR UNSUITABLE IN-SITU MATERIALS ARE ENCOUNTERED CORRECTIVE ACTION SHALL BE TAKEN AS DIRECTED.
- ALL CONCRETE WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH CSA A23.1 AND THE NATIONAL BUILDING CODE OF CANADA.
- ALL CONCRETE MATERIALS SHALL CONFORM TO THE LATEST EDITION OF:
 - CEMENT CSA A3001, TYPE GU
 - AGGREGATES CSA A23.1
 - AIR ENTRAINING ASTM C200
 - CHEMICAL ADMIXTURES ASTM C494/C494M
 - W/W MESH ASTM A1064/A1064M
 - DESIGN MIX CSA A23.1
 - REIN BAR CSA G30.18 - GRADE 400
- CONCRETE SHALL BE PROPORTIONED IN ACCORDANCE WITH CSA A23.1-14 TO GIVE THE FOLLOWING MIX DESIGN:
 - STRENGTH CLASS 25 MPa
 - EXPOSURE CLASS F-2
 - SUMP 80 mm
 - AIR CONTENT 4 - 7%
- CONCRETE MIX DESIGNS SHALL BE SUBMITTED FOR REVIEW 1 WEEK PRIOR TO USE. OBTAIN ENGINEER'S APPROVAL BEFORE USING CONCRETE ADMIXTURES. USE OF CALCIUM CHLORIDE WILL NOT BE PERMITTED.
- CONCRETE TESTING SHALL CONFORM TO CSA A23.2. MINIMUM TESTING SHALL INCLUDE 3 STRENGTH TESTS FOR EVERY CONCRETE POUR. SLUMP AND AIR TESTS TO ACCOMPANY CYLINDER TESTING. PROVIDE 24 HOURS NOTICE PRIOR TO PLACING ANY CONCRETE. COST OF TESTING TO BE PAID BY DEPARTMENTAL REPRESENTATIVE.
- REINFORCING - BILLET STEEL, GRADE 400, DEFORMED BARS TO CSA G30.18. ALL DEFORMED CONCRETE REINFORCING BARS ARE TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR. REINFORCING BAR SPICE LAP LENGTHS SHALL BE DETAILED AS FOLLOWS, UNLESS NOTED OTHERWISE:

VERTICAL BARS & SLAB REIN	HORIZONTAL BARS (EXCEPT IN SLABS)
10M - 390 mm	10M - 310 mm
15M - 570 mm	15M - 740 mm
20M - 750 mm	20M - 980 mm
25M - 1170 mm	25M - 1530 mm
30M - 1410 mm	30M - 1830 mm
35M - 1640 mm	35M - 2130 mm
- CONCRETE COVER FOR REINFORCING STEEL UNO:
 - 75 mm BOTTOM
 - 50 mm TOP & SIDES
- USE SPACERS AND CHAIRS TO ACCURATELY LOCATE AND SUPPORT REINFORCING STEEL AND SECURE IN POSITION TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. PROVIDE SUPERVISION TO ENSURE THAT REINFORCING BARS ARE MAINTAINED IN POSITION.
- CONCRETE FORMWORK SHALL BE CONSTRUCTED FROM PLYWOOD SHEETS MEETING THE REQUIREMENTS OF CSA O121. PLYWOOD SHEETS TO BE CLEAN, SOUND AND FREE FROM DEFECTS DETRIMENTAL TO THE QUALITY OF FINISHED CONCRETE SURFACES. ARRANGE PLYWOOD SHEETS TO A UNIFORM JOINT PATTERN. CONSTRUCT FORMWORK TO RESIST FLUID PRESSURE FROM WET CONCRETE AND ALL OTHER CONSTRUCTION LOADINGS WITHOUT BULGING, MOVEMENT OR DISTORTION. REUSE OF FORMWORK SUBJECT TO THE REQUIREMENTS OF CSA A23.1.
- ALL CONCRETE SHALL BE VIBRATED USING HIGH FREQUENCY VIBRATORS. VIBRATION PRACTICES TO BE IN ACCORDANCE WITH ACI 309R.
- EMBEDMENTS - SET ANCHOR RODS, ANGLES, INSERT PLATES, SLEEVES AND OTHER MISCELLANEOUS ITEMS EMBEDDED IN CONCRETE ACCURATELY TO EXACT GRADE AND LOCATION SHOWN ON PROJECT DRAWINGS OR AS REQUIRED TO SUIT THE WORK. SECURE TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. DO NOT CUT OR RELOCATE REINFORCING STEEL FOR PLACEMENT OF EMBEDDED PARTS. IF INSERTS CANNOT BE LOCATED AS SPECIFIED, OBTAIN APPROVAL OF ALL MODIFICATIONS FROM DEPARTMENTAL REPRESENTATIVE BEFORE PLACING.
- CONCRETE CURING AND PROTECTION SHALL CONFORM TO CSA A23.1. CONTINUOUS WATER CURING IS REQUIRED FOR STRUCTURAL CONCRETE IF AIR TEMPERATURE IS AT OR ABOVE 27°C.
- ADDITIVES AND ADMIXTURES TO BE COMPATIBLE.
- COLD WEATHER CONCRETE SHALL BE PLACED AND PROTECTED IN ACCORDANCE WITH THE REQUIREMENTS OF CSA A23.1. COLD WEATHER PROTECTION AND CURING SHALL BE APPLIED IN ORDER TO MAINTAIN THE CONCRETE TEMPERATURE AT OR ABOVE 10°C FOR THE TIME OF CURING PERIODS SPECIFIED IN TABLE 20 OF CSA A23.1. PROVIDE CONTROLLED COOL DOWN PERIOD TO PREVENT SURFACE CRACKING AT END OF PROTECTION PERIOD. ENSURE THAT NO CONCRETE IS PLACED ON OR AGAINST FROZEN SUBGRADE, FORMWORK, OR REINFORCING STEEL.
- FORMED CONCRETE SURFACES SHALL BE SURFACE FINISHED AS SOON AS PRACTICAL AND NOT LATER THAN 6 HOURS FOLLOWING FORMWORK REMOVAL. REMOVE ALL FORM TIES, FINS AND PROJECTIONS. PATCH THE HOLES, INDENTATIONS AND OTHER SURFACE IRREGULARITIES WITH SAND CEMENT PATCHING MORTAR $f_c = 30$ MPa. FILL AND REPAIR HONEYCOMB AND HOLES.
- USE WIND BREAKS/SUN SCREENS, ETC., AS REQUIRED TO PREVENT PREMATURE DRYING OF CONCRETE PRIOR TO FINISHING. SCREENS TO BE USED WHEN AIR TEMPERATURE, RELATIVE HUMIDITY, CONCRETE TEMPERATURE AND WIND VELOCITIES ARE SUCH TO CREATE SURFACE MOISTURE EVAPORATION RATES IN EXCESS OF 0.75 kg/(m²·h). PROTECTION OF CONCRETE TO BE IN ACCORDANCE WITH CSA A23.1.
- VERTICAL FORMED SURFACES (i.e. WALLS) SHALL NOT BE MORE THAN 3 mm IN OR OUT OF CONTROL LINE (EXTERIOR FACE).
- GROUT TO BE NON-SHRINK OF POURABLE CONSISTENCY WITH A MINIMUM COMPRESSIVE STRENGTH OF 35 MPa. GROUT AND PROTECT FROM FREEZING TEMPERATURES IN ACCORDANCE WITH CSA A23.1.
- ADHESIVE ANCHOR SYSTEM TO BE HILTI HIT-HY 200 MAX OR EPOCON A7 USED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- STEEL HSS MEMBERS TO CONFORM TO ASTM A500 GRADE C AND HOT-DIPPED GALVANIZED WITH A MINIMUM ZINC COATING OF 600g/m² TO CSA G164.



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GEMTEC
CONSULTING ENGINEERS AND SCIENTISTS

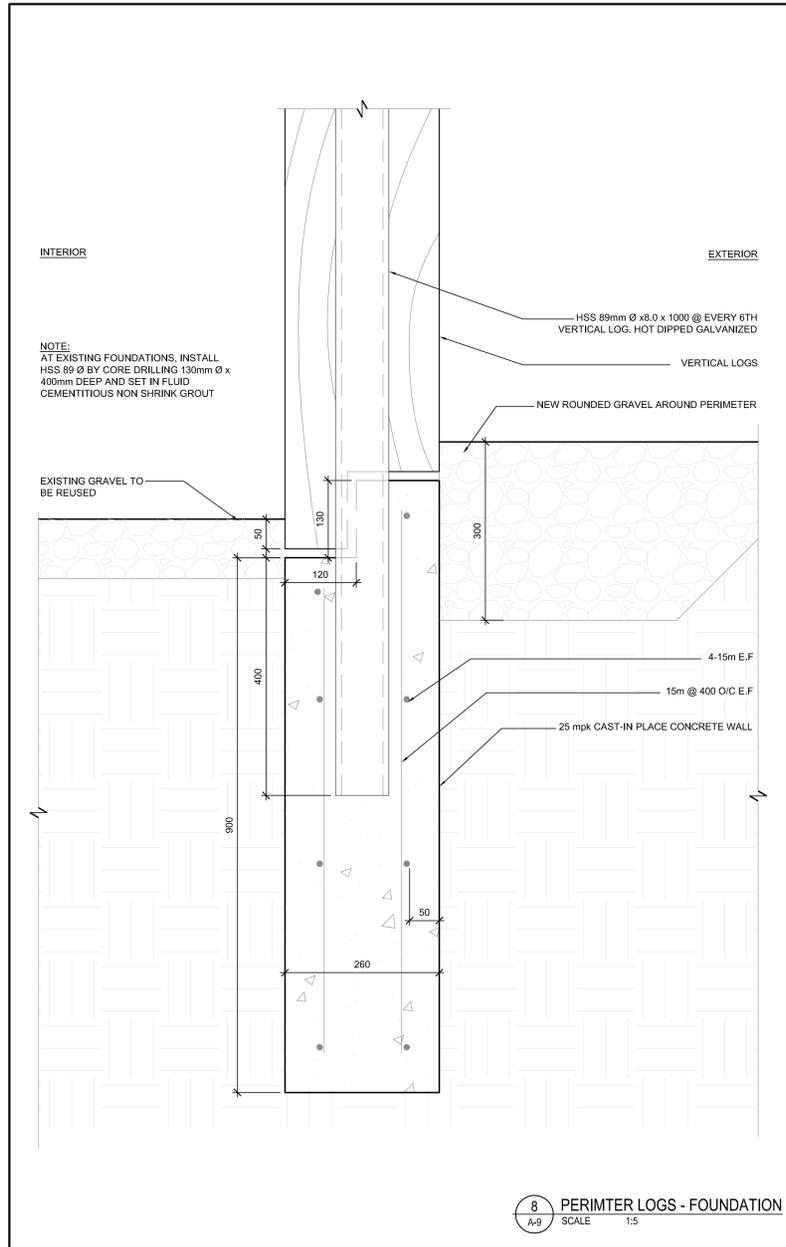
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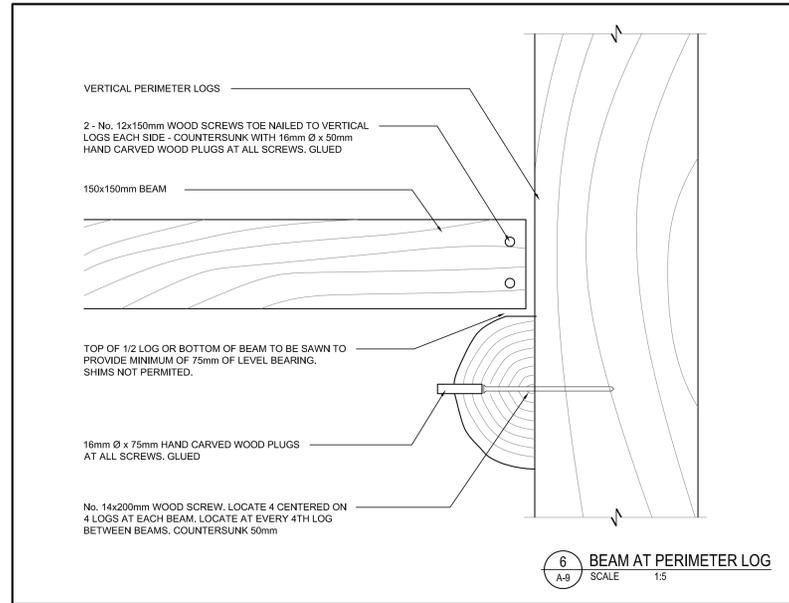
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Ingénieur Immobilier

0	ISSUED FOR TENDER	SEPT 08 2017
revisions		date
project	RENEWAL PROJECT PORT ROYAL HABITATION NATIONAL HISTORIC SITE PORT ROYAL, NS	
drawing	HABITATION PALISADE	
designed	RDM	conçu
drawn	MBA	dessiné
date	MRB	approuvé
approved		
date		
Tender	JN	Soumission
project number	15-567	no. du projet
drawing no.	A-7	no. du dessin

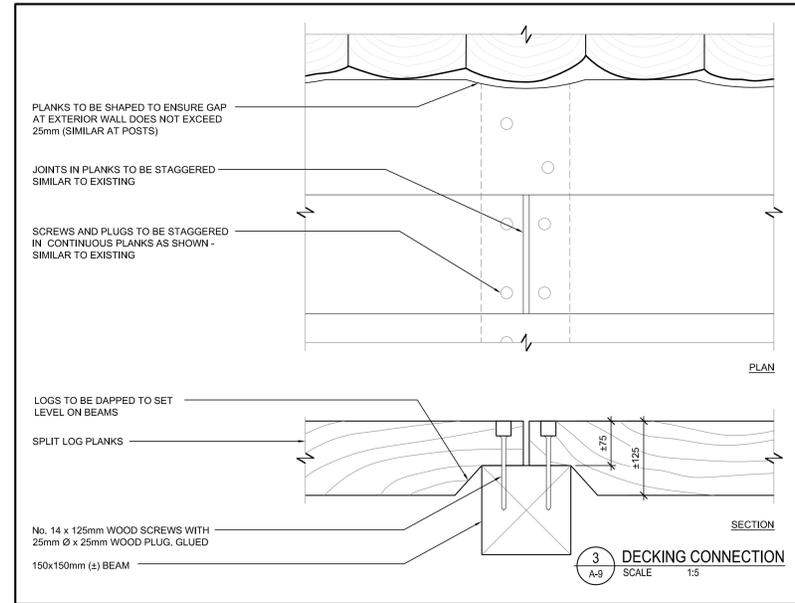
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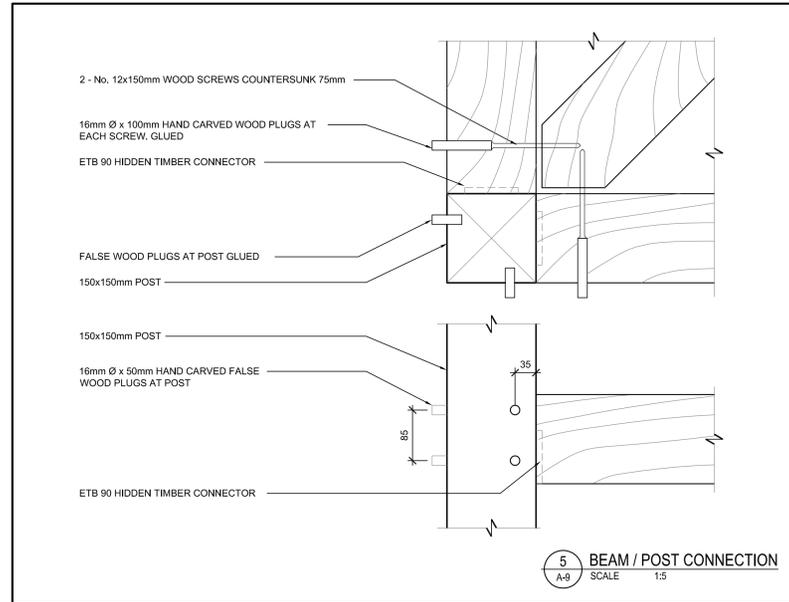
8 PERIMETER LOGS - FOUNDATION
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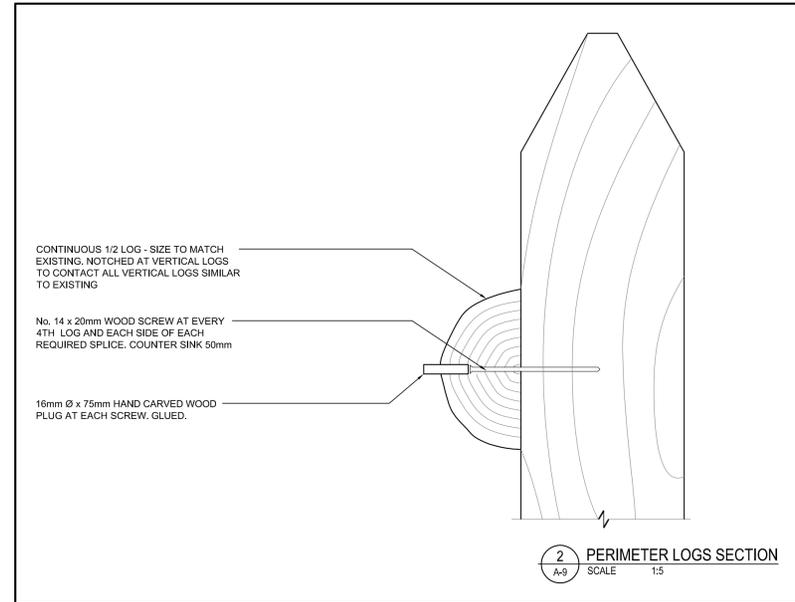
6 BEAM AT PERIMETER LOG
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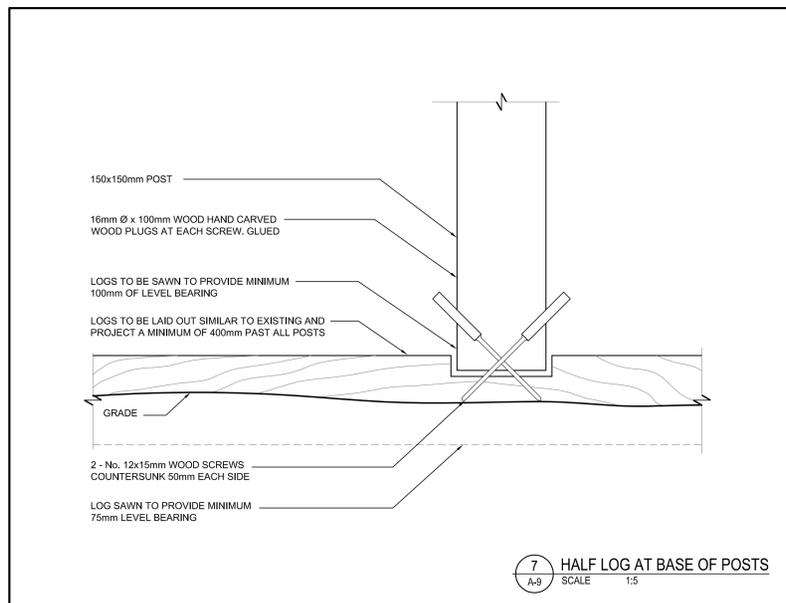
3 DECKING CONNECTION
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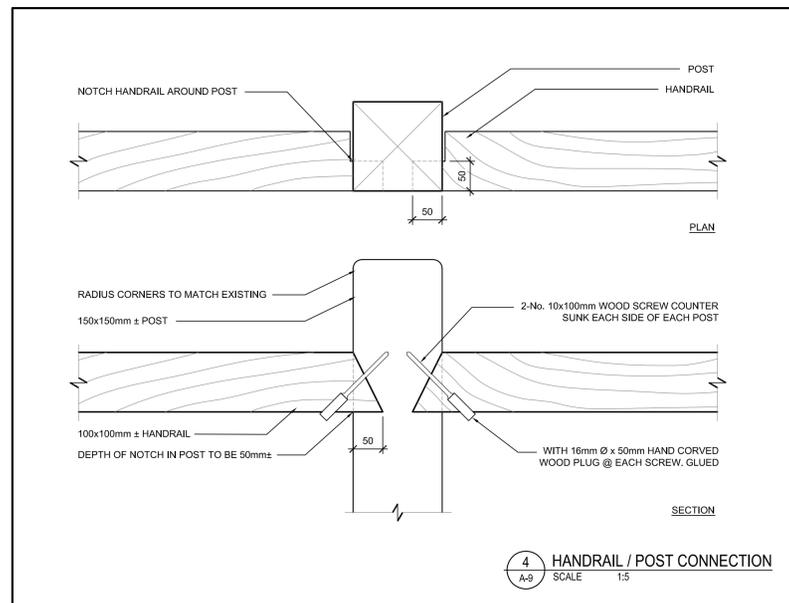
5 BEAM / POST CONNECTION
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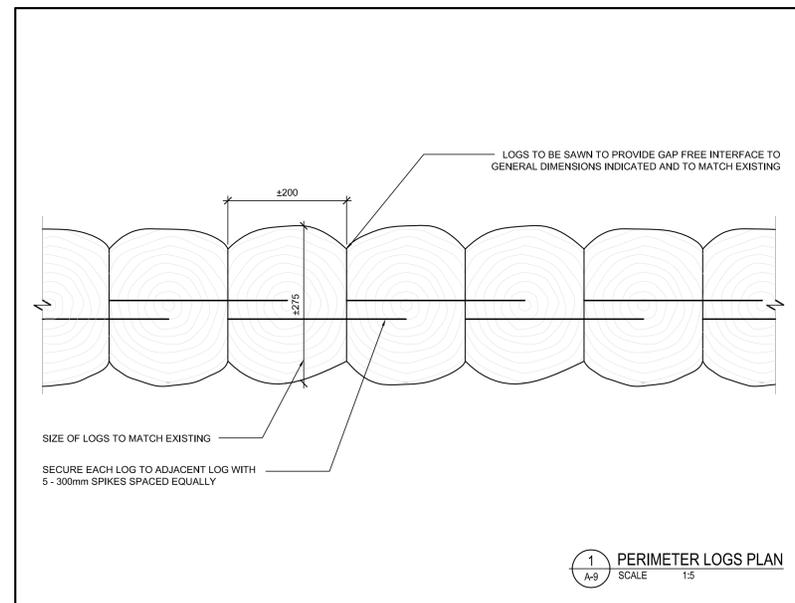
2 PERIMETER LOGS SECTION
SCALE 1:5



7 HALF LOG AT BASE OF POSTS
SCALE 1:5



4 HANDRAIL / POST CONNECTION
SCALE 1:5



1 PERIMETER LOGS PLAN
SCALE 1:5



0	ISSUED FOR TENDER	SEPT 08 2017
revisions		date

project RENEWAL PROJECT PORT ROYAL HABITATION NATIONAL HISTORIC SITE PORT ROYAL, NS

HABITATION PALISADE & CANNON PLATFORM

designed	MRB	conçu
drawn	TRC	dessiné
date		
approved	MRB	approuvé
date		

Tender JN PWGSC Project Manager Administrateur de projets TPSCG project number 15-567

drawing no. A-9 no. du dessin