

Public Works and  
Government Services  
Canada

Travaux publics et  
Services gouvernementaux  
Canada

# Multi-Purpose Building Renovation

## FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK



1199 Main Street, Suite 200  
Moncton, New Brunswick  
E1C 1H9  
Tel: (506) 383-8500  
Fax: (506) 383-6833

Structural Engineer  
VALRON ENGINEERS INC., Moncton NB

Mechanical Engineer  
CRANDALL ENGINEERING LTD., Moncton NB

Electrical Engineer  
AEC ENGINEERING INC., Moncton NB

### DRAWING LIST

#### ARCHITECTURAL

- L-101 EXISTING SITE PLAN – DEMOLITION & REMOVALS
- A-101 EXISTING / DEMOLITION FOUNDATION & MAIN FLOOR PLAN
- A-102 BASEMENT / GROUND FLOOR PLAN – NEW CONSTRUCTION
- A-201 REFLECTED CEILING PLAN & DETAILS
- A-301 BUILDING ENVELOPE – DEMOLITION
- A-302 BUILDING ENVELOPE – NEW CONSTRUCTION
- A-401 BUILDING SECTIONS & WALL SECTIONS
- A-501 WALL SECTIONS
- A-502 DETAILS
- A-601 PLAN DETAILS & MISCELLANEOUS DETAILS
- A-701 PLAN ENLARGEMENTS, INTERIOR ELEVATIONS, DETAILS AND FINISH SCHEDULE
- A-801 DOOR SCHEDULE, DOOR & FRAME TYPES, FRAME DETAILS
- A-802 WINDOW FRAME TYPES & WINDOW FRAME DETAILS

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- S-101 FOUNDATION PLAN, SECTIONS AND DETAILS
- S-102 FOUNDATION/FLOOR SECTIONS AND DETAILS
- S-201 FRAMING PLANS, SECTIONS, DETAILS AND NOTES
- S-301 ROOF TRUSS REPAIRS
- S-302 ROOF TRUSS REPAIRS
- S-303 EXHIBIT HALL WIND FRAME ELEVATION, SECTIONS AND DETAILS
- S-304 EXHIBIT HALL SOUTH WALL WIND FRAME ELEVATION, SECTIONS AND DETAILS
- S-305 EXHIBIT HALL NORTH WALL WIND FRAME ELEVATION, SECTIONS AND DETAILS

#### MECHANICAL

- M-101 STORM, SANITARY, VENT PIPING AND PROPANE PIPING – FLOOR PLANS AND DETAILS
- M-201 DOMESTIC WATER PIPING – FLOOR PLANS AND DETAILS
- M-301 VENTILATION – FLOOR PLAN AND DETAILS

#### ELECTRICAL

- E-100 ELECTRICAL SITE PLAN
- E-101 BASEMENT AND GROUND FLOOR PLANS / ELECTRICAL – LIGHTING
- E-102 BASEMENT AND GROUND FLOOR PLANS / ELECTRICAL – POWER AND COMMUNICATIONS

Item/Article	BUILDING CODE DATA MATRIX / MATRIQUE DE DONNÉES DU CODE DU BÂTIMENT	NBC 2010 reference / CNB 2010 (Code national du bâtiment du Canada) – référence
1	Project Description/Type de Projet: <b>MULTI-PURPOSE BASE BUILDING RENOVATION</b> <input type="checkbox"/> New/Nouveau <input type="checkbox"/> Addition/Ajout <input checked="" type="checkbox"/> Alteration/Transformation <input type="checkbox"/> Change in Use/Changement d'usage	<input checked="" type="checkbox"/> Part/Partie 3 <input type="checkbox"/> Part/Partie 9 A 1.3.3 A 1.4.1.2 A 1.4.1.2
2	Are alternative solutions proposed? Est-ce que des solutions de rechange sont proposées? <input type="checkbox"/> Yes/Oui <input checked="" type="checkbox"/> No/Non	A 1.2.1.1 A 1.2.1.1
3	Are firewalls used to consider this more than one building? Est-ce que des murs coupe-feu sont utilisés afin de créer plus d'un bâtiment? <input type="checkbox"/> Yes/Oui <input checked="" type="checkbox"/> No/Non	A 1.4.1.2 A 1.4.1.2
4	Major Occupancies/Usage(s) Principal(aux) Adjoining Major Occupancy/Usage principal contigu: <b>GROUP A, DIVISION 2</b> Major Occupancy Fire Separations/Séparation Coupe-Feu des Usages Principaux:	B 3.1.2.1(1) B 9.10.2
5	Building Area/Aire du bâtiment <sup>2</sup> (m <sup>2</sup> ) Existing/Existant 345m <sup>2</sup> New/Nouvelle 0m <sup>2</sup> Total/Total 345m <sup>2</sup>	A 1.4.1.2 A 1.4.1.2
6	Gross Area/Aire brute du bâtiment <sup>2</sup> (m <sup>2</sup> ) Existing/Existant 345m <sup>2</sup> New/Nouvelle 0m <sup>2</sup> Total/Total 345m <sup>2</sup>	
7	Number of Storeys/ Nombre d'étages: <b>1 STOREY WITH A BASEMENT</b> Above Grade/Au-dessus du sol: 1 Below Grade/Au-dessous du sol: 1	A 1.4.1.2 A 1.3.3.3 A 3.2.1.1 A 1.4.1.2 B 9.10.4
8	Height of Building/Hauteur du bâtiment (m): 7.5m	
9	Number of Streets, Access Routes/Nombre de rues et de voies d'accès: 1 STREET	B 3.2.2.10 B 3.2.5.5
10	Building Classification/Classification du bâtiment: 3.2.2.25 GROUP A, DIVISION 2, UP TO 2 STOREYS	B 3.2.2.20-83 B 9.10.2
11	Existing Building/Bâtiment actuel: <input type="checkbox"/> not sprinklered/Sans gicleurs <input checked="" type="checkbox"/> sprinklered/Protégé par gicleur	
12	Sprinkler System Proposed/Réseau d'extincteurs proposé: <input type="checkbox"/> entire building/dans tout le bâtiment <input type="checkbox"/> basement only/Au sous sol seulement <input type="checkbox"/> in lieu of roof rating/plutôt qu'un toit ayant un degré de résistance au feu <input type="checkbox"/> phased/Installation par étapes <input checked="" type="checkbox"/> non required/non requis	B 3.2.2.20-83 B 9.10.8.2 B 3.2.1.5 B 3.2.2.17
13	Standpipe required/Réseau de canalisation d'incendie requis <input type="checkbox"/> Yes/Oui <input checked="" type="checkbox"/> No/Non	B 3.2.5.8
14	Fire Alarm required/Système d'alarme incendie requis <input type="checkbox"/> Yes/Oui <input checked="" type="checkbox"/> No/Non	B 3.2.4 B 9.10.18.2
15	Water Service, Adequate Supply/Alimentation en eau adéquate <input checked="" type="checkbox"/> Yes/Oui <input type="checkbox"/> No/Non	B 3.2.5.7
16	High Building/Bâtiment de grande hauteur <input type="checkbox"/> Yes/Oui <input checked="" type="checkbox"/> No/Non	B 3.2.6
17	Authorized construction autorisé <input checked="" type="checkbox"/> Combustible/Combustible <input type="checkbox"/> Non-combustible/Incombustible <input type="checkbox"/> Both/Les deux Real construction réelle <input checked="" type="checkbox"/> Combustible/Combustible <input type="checkbox"/> Non-combustible/Incombustible <input type="checkbox"/> Both/Les deux	B 3.2.2.20-83 B 9.10.6
18	Mezzanine(s) Area/Aire de la mezzanine (m <sup>2</sup> ): N/A	B 3.2.1.1 B 9.10.4.1
19	Total Occupant Load/Nombre de personnes Based on/Fondé sur <input checked="" type="checkbox"/> m <sup>2</sup> per person/par personne <input type="checkbox"/> design of building/Conception du bâtiment basement/sous-sol occupant load 0 exit capacity/capacité des issues — 1st storey/1ère étage occupant load 92 exit capacity/capacité des issues 92 2nd storey/2ième étage occupant load — exit capacity/capacité des issues — 3rd storey/3ième étage occupant load — exit capacity/capacité des issues —	B 3.1.17 B 9.9.1.3
20	Barrier-free Design/Conception sans obstacles <input checked="" type="checkbox"/> Yes/Oui <input type="checkbox"/> No/Non (explain/expliquer)	B 3.8 B 9.5.2
21	Hazardous Substances/Matières dangereuses <input type="checkbox"/> Yes/Oui <input checked="" type="checkbox"/> No/Non	B 3.3.1.2 B 3.3.1.20 B 9.10.1.2(4)
22	Required Horizontal Assemblies FRR / RFR des éléments horizontaux: 3/4 Fire Resistance / Résistance au feu: 3/4 Rating / Classement: 3/4 Degree of resistance / Degré de résistance: 3/4 feu requis: FRR of Non Supporting Members / RFR des éléments non-porteurs: 3/4 (DRF)	Listed Design No. or Description / Numéro des assemblages, types ou description Listed Design No. or Description / Description ou numéro de concept répertorié Listed Design No. or Description / Description ou numéro de concept répertorié Listed Design No. or Description / Description ou numéro de concept répertorié
23	Maximum Area of Glazing for Closures and FS / Surface maximale du vitrage dans des dispositifs d'obturation et séparation coupe feu (m <sup>2</sup> ): 0.0645m <sup>2</sup> Wired Glass in Door/Verre armé dans une porte	B 3.18.15
24	Spatial Separation – Construction of Exterior Walls/Séparation spatiale – composition des murs extérieurs	B 3.2.3 B 9.10.14

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project  
**MULTI-PURPOSE BUILDING RENOVATION  
FUNDY NATIONAL PARK  
ALMA, NEW BRUNSWICK**

drawing / dessin  
**COVER SHEET**

designed RJM	conçu
date JULY 2014	
drawing HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	
Tender	Soumission

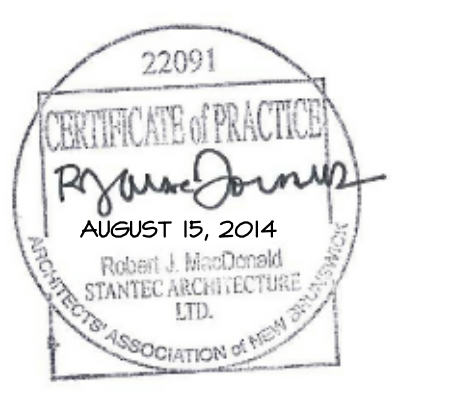
PWSC Project Manager / Administrateur de projets TPSGC  
project number / no. du projet  
**R.022851.001**

drawing no. / no. du dessin  
**A-000**



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revisions		date

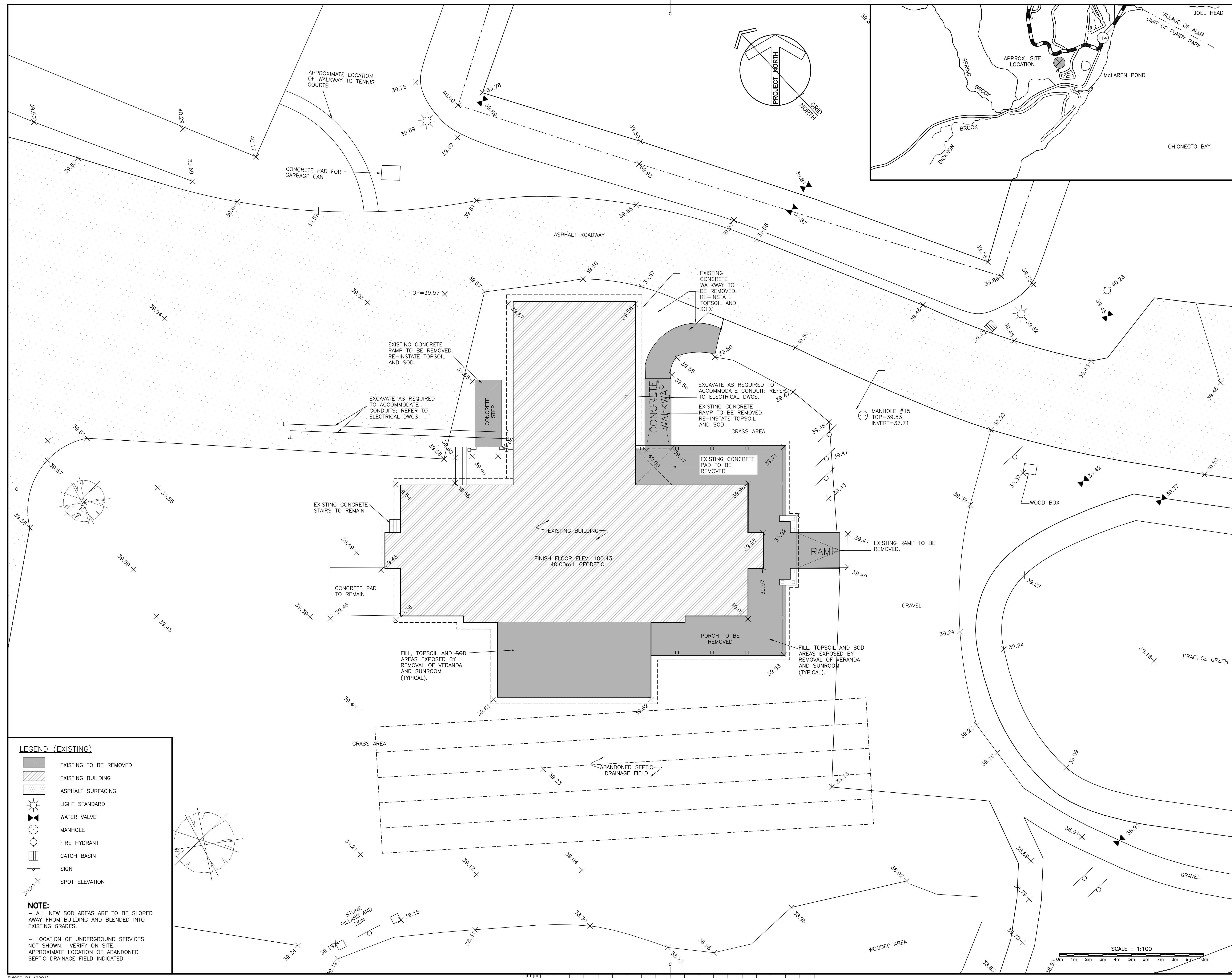
project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**  
 drawing design

**EXISTING SITE PLAN - DEMOLITION & REMOVALS**

designed RJM	conçu
date JULY 2014	
drawn HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	
Tender	Soumission

PWSC Project Manager / Administrateur de projets TPSGC  
 project number / no. du projet  
**R.022851.001**

drawing no. / no. du dessin  
**L-101**



**LEGEND (EXISTING)**

[Hatched Box]	EXISTING TO BE REMOVED
[Dotted Box]	EXISTING BUILDING
[Solid Grey Box]	ASPHALT SURFACING
[Sun Symbol]	LIGHT STANDARD
[Valve Symbol]	WATER VALVE
[Circle with X]	MANHOLE
[Circle with Star]	FIRE HYDRANT
[Rectangular Box]	CATCH BASIN
[Triangle]	SIGN
[Crosshair]	SPOT ELEVATION

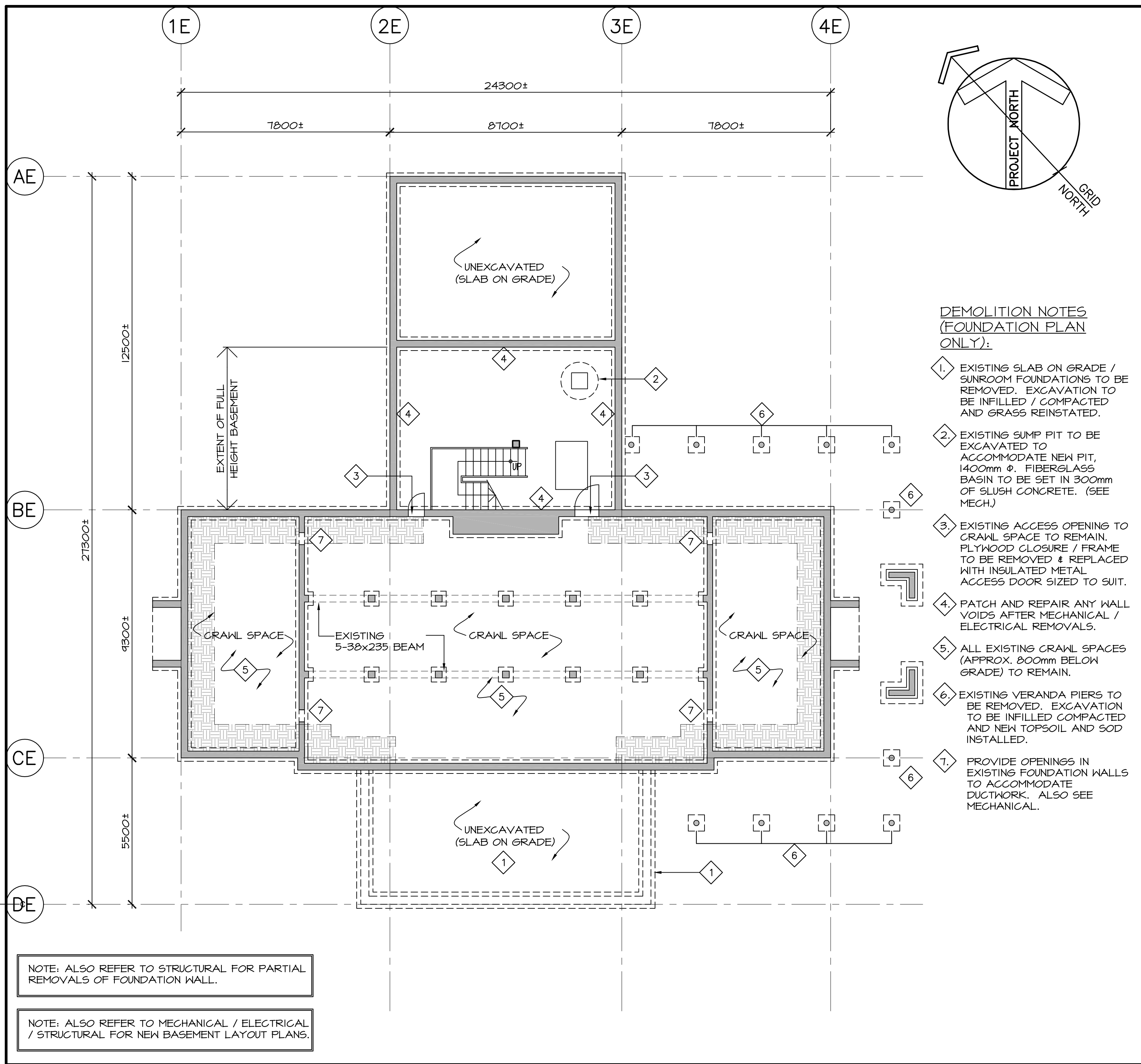
**NOTE:**

- ALL NEW SOD AREAS ARE TO BE SLOPED AWAY FROM BUILDING AND BLENDED INTO EXISTING GRADES.

- LOCATION OF UNDERGROUND SERVICES NOT SHOWN. VERIFY ON SITE.

- APPROXIMATE LOCATION OF ABANDONED SEPTIC DRAINAGE FIELD INDICATED.



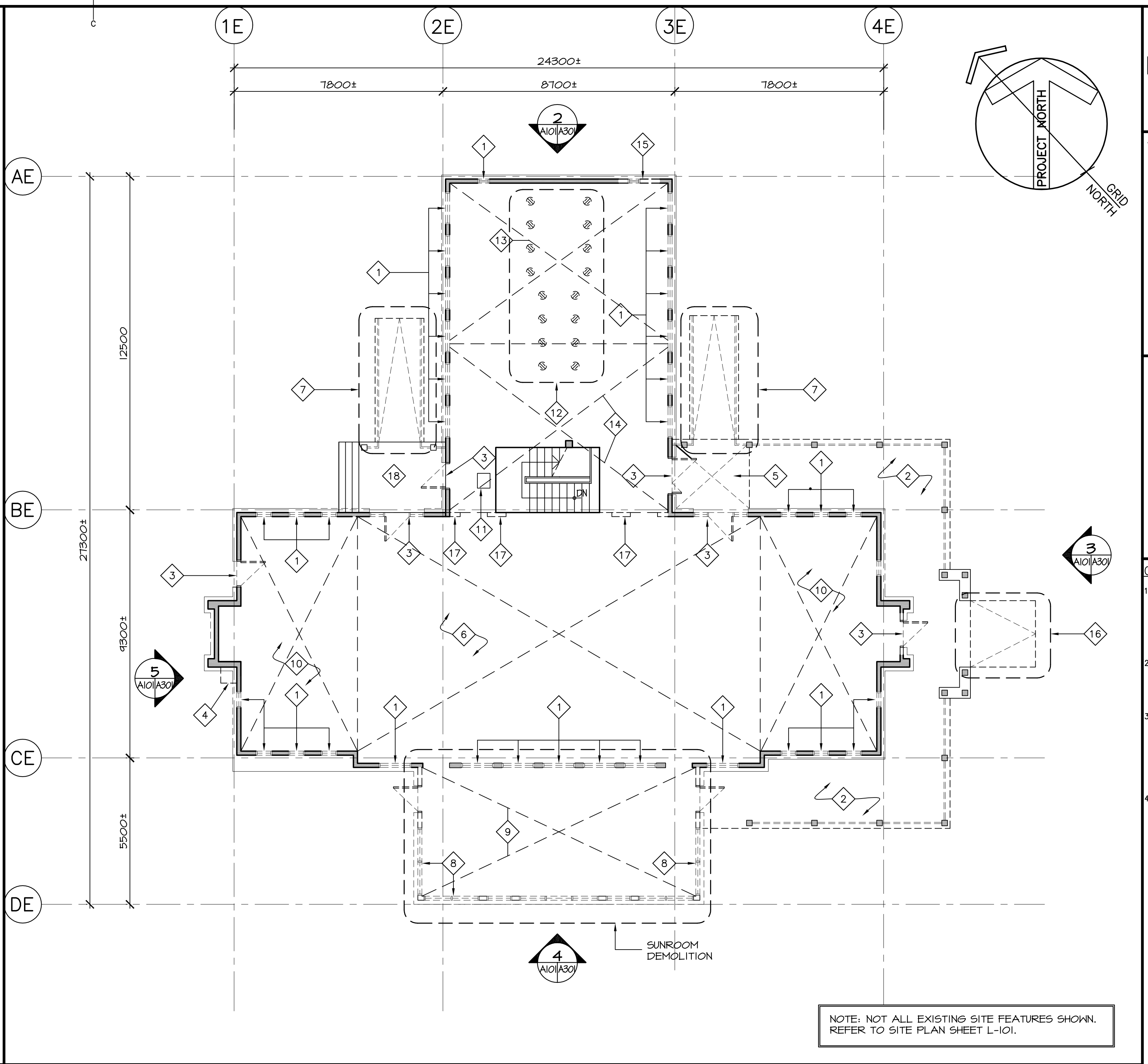
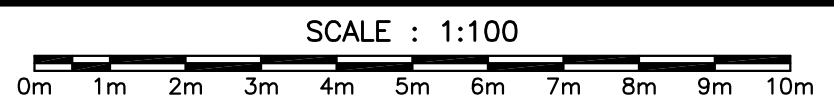


- DEMOLITION NOTES (FOUNDATION PLAN ONLY):**
- EXISTING SLAB ON GRADE / SUNROOM FOUNDATIONS TO BE REMOVED. EXCAVATION TO BE FILLED / COMPACTED AND GRASS REINSTATED.
  - EXISTING SUMP PIT TO BE EXCAVATED TO ACCOMMODATE NEW PIT. 1400mm Ø. FIBERGLASS BASIN TO BE SET IN 300mm OF SLUSH CONCRETE. (SEE MECH.)
  - EXISTING ACCESS OPENING TO CRAWL SPACE TO REMAIN. PLYWOOD CLOSURE / FRAME TO BE REMOVED & REPLACED WITH INSULATED METAL ACCESS DOOR SIZED TO SUIT.
  - PATCH AND REPAIR ANY WALL VOIDS AFTER MECHANICAL / ELECTRICAL REMOVALS.
  - ALL EXISTING CRAWL SPACES (APPROX. 800mm BELOW GRADE) TO REMAIN.
  - EXISTING VERANDA PIERS TO BE REMOVED. EXCAVATION TO BE FILLED / COMPACTED AND NEW TOPSOIL AND SOD INSTALLED.
  - PROVIDE OPENINGS IN EXISTING FOUNDATION WALLS TO ACCOMMODATE DUCTWORK. ALSO SEE MECHANICAL.

NOTE: ALSO REFER TO STRUCTURAL FOR PARTIAL REMOVALS OF FOUNDATION WALL.

NOTE: ALSO REFER TO MECHANICAL / ELECTRICAL / STRUCTURAL FOR NEW BASEMENT LAYOUT PLANS.

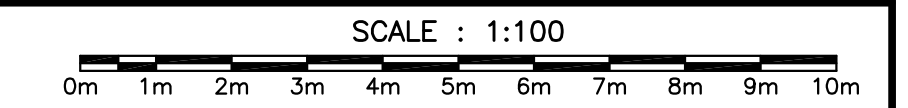
1 FOUNDATION PLAN - EXISTING / DEMOLITION



- LEGEND:**
- ⊙ EXISTING FLOOR DRAIN TO BE CAPPED
  - ⌋ EXISTING DOOR TO BE REMOVED
  - ≡≡≡ EXISTING WINDOW TO BE REMOVED
  - ≡≡≡ EXISTING WALL / PARTITION / FOUNDATION / RAMP TO BE REMOVED
  - ≡≡≡ EXISTING WALL / PARTITION TO REMAIN
  - ◊ REFER TO NOTE #... (THIS SHEET ONLY)
  - ▨ UNDISTURBED SOIL
  - ≡≡≡ EXISTING FOUNDATION / BASEMENT WALL TO REMAIN
  - ⊠ VERANDA PIERS / FOOTINGS TO BE REMOVED.
- DEMOLITION NOTES (FLOOR PLAN ONLY):**
- REMOVE GLAZING C/M FRAMES.
  - VERANDA DECK / RAILINGS / ROOF TO BE REMOVED. CONCRETE POSTS TO BE REMOVED TO 300mm BELOW GRADE.
  - REMOVE DOOR / FRAME / SIDELITES.
  - REMOVE WOOD ENCLOSURE C/M CONCRETE BASE.
  - REMOVE EXISTING CONCRETE PAD.
  - REMOVE HARDWOOD FLOOR. PATCH / REPAIR SUBFLOOR TO RECEIVE ADDITIONAL SUBFLOOR (19mm PLYWOOD) AND 50mm CONCRETE TOPPING.
  - REMOVE RAMP / RAILINGS, ETC., INCLUDING FOUNDATION.
  - REMOVE SUNROOM EXTERIOR WALL / STONEMARK / EXTERIOR GLAZING, ROOF STRUCTURE FULL HEIGHT.
  - REMOVE EXISTING FLOOR FINISH, WOOD SLEEPERS / PLYWOOD. REMOVE EXISTING SLAB. EXCAVATE BELOW SLAB 150mm.
  - REMOVE ALL FLOOR STRUCTURE MEMBERS, THIS AREA. REMOVE AND REPLACE FLOOR DECK (SEE STRUC.). PREPARE TO RECEIVE NEW 19mm PLYWOOD SUBFLOOR AND 50mm CONCRETE TOPPING.
  - PROVIDE OPENING IN SLAB TO ACCOMMODATE MECHANICAL UNIT. COORDINATE SIZE AND LOCATION WITH MECHANICAL.
  - EXISTING DRAINS / REDUNDANT PLUMBING TO BE DRAINED, CAPPED. SEE MECHANICAL.
  - REMOVE EXISTING SLAB. EXCAVATE 150mm BELOW EXISTING SLAB.
  - REMOVE 25mm CONCRETE FINISH FROM EXISTING SLAB. PREPARE EXPOSED SLAB TO RECEIVE CONCRETE TOPPING, THICKNESS AS DETAILED.
  - REMOVE WALL TO ACCOMMODATE NEW DOOR / FRAME.
  - REMOVE RAMP.
  - REMOVE WALL C/M STUDS.
  - CONCRETE STOOP TO REMAIN. CANOPY / ROOF ABOVE TO BE REMOVED.

NOTE: NOT ALL EXISTING SITE FEATURES SHOWN. REFER TO SITE PLAN SHEET L-101.

2 FLOOR PLAN - EXISTING / DEMOLITION



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Architects: **Stantec**

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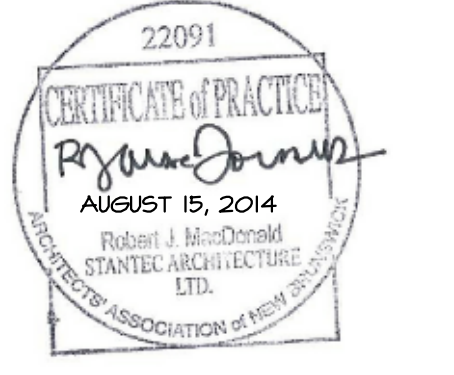
Consultants: Ingenieurs conseils

Structural: Valron Engineers Inc. Tel: (506) 856-9601 Fax: (506) 856-6820

Mechanical: Crandall Engineering Ltd. Tel: (506) 857-2777 Fax: (506) 857-2753

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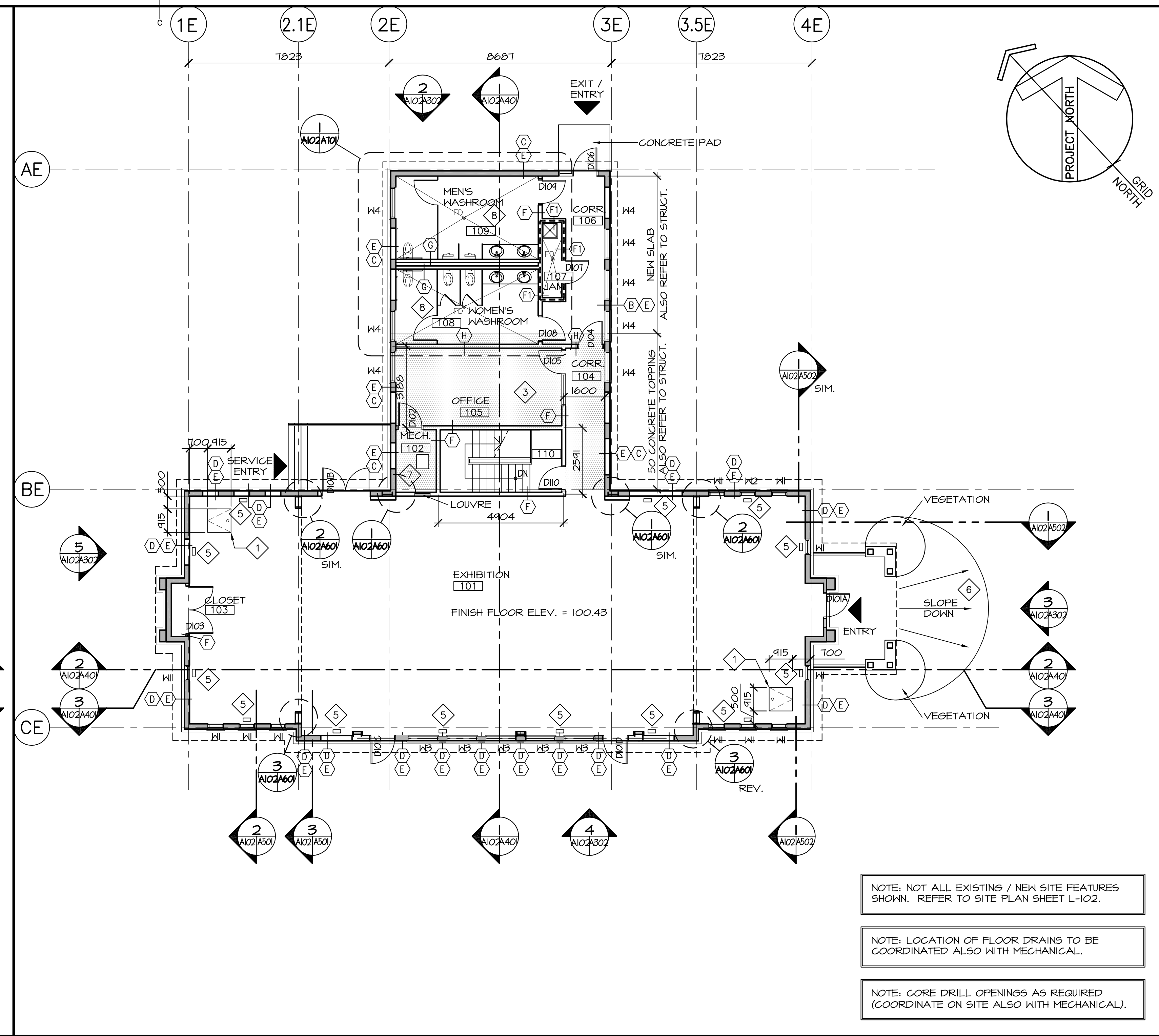
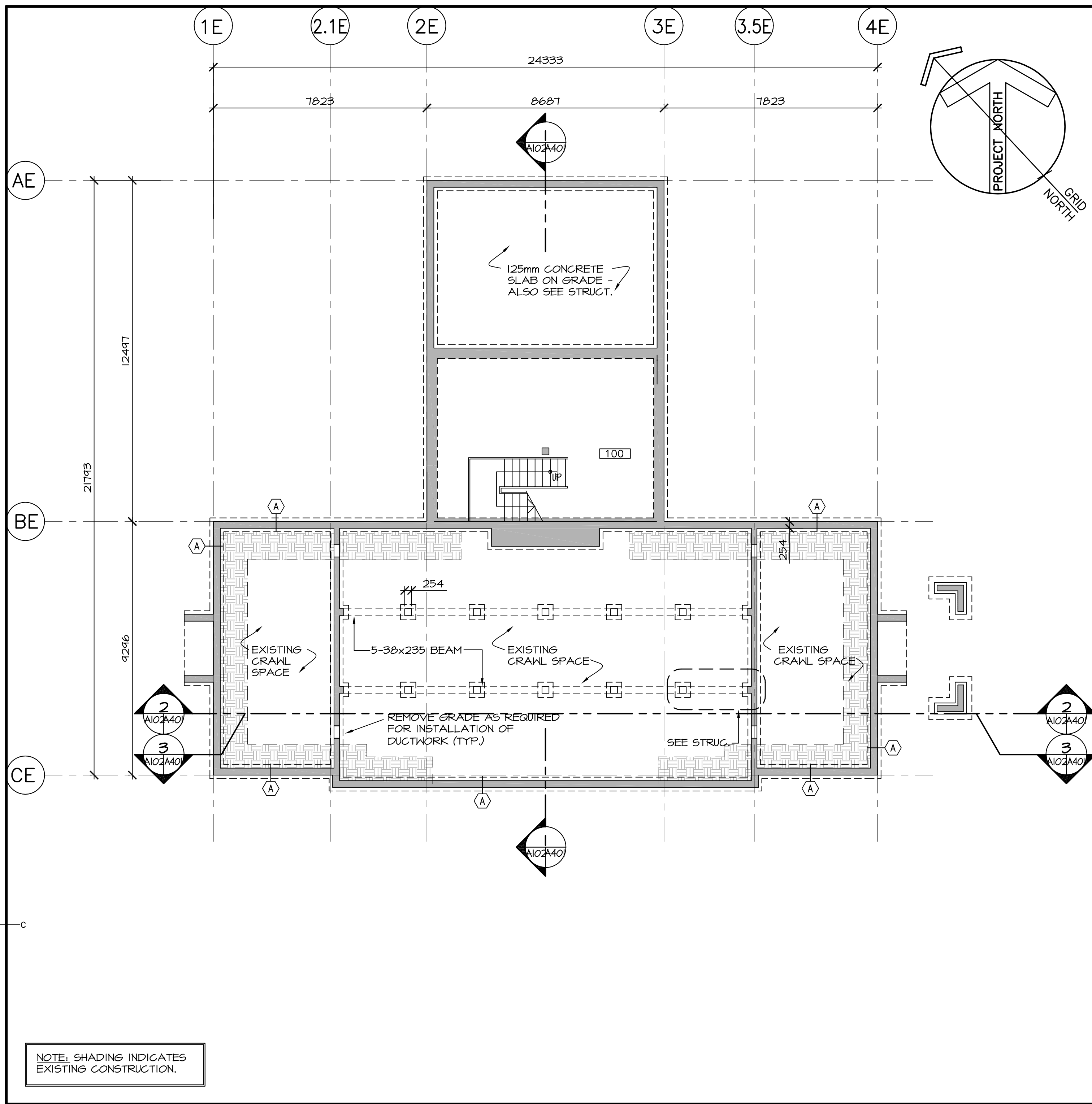
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revisions		date

project: **MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

drawing: **EXISTING / DEMOLITION FOUNDATION & MAIN FLOOR PLAN**

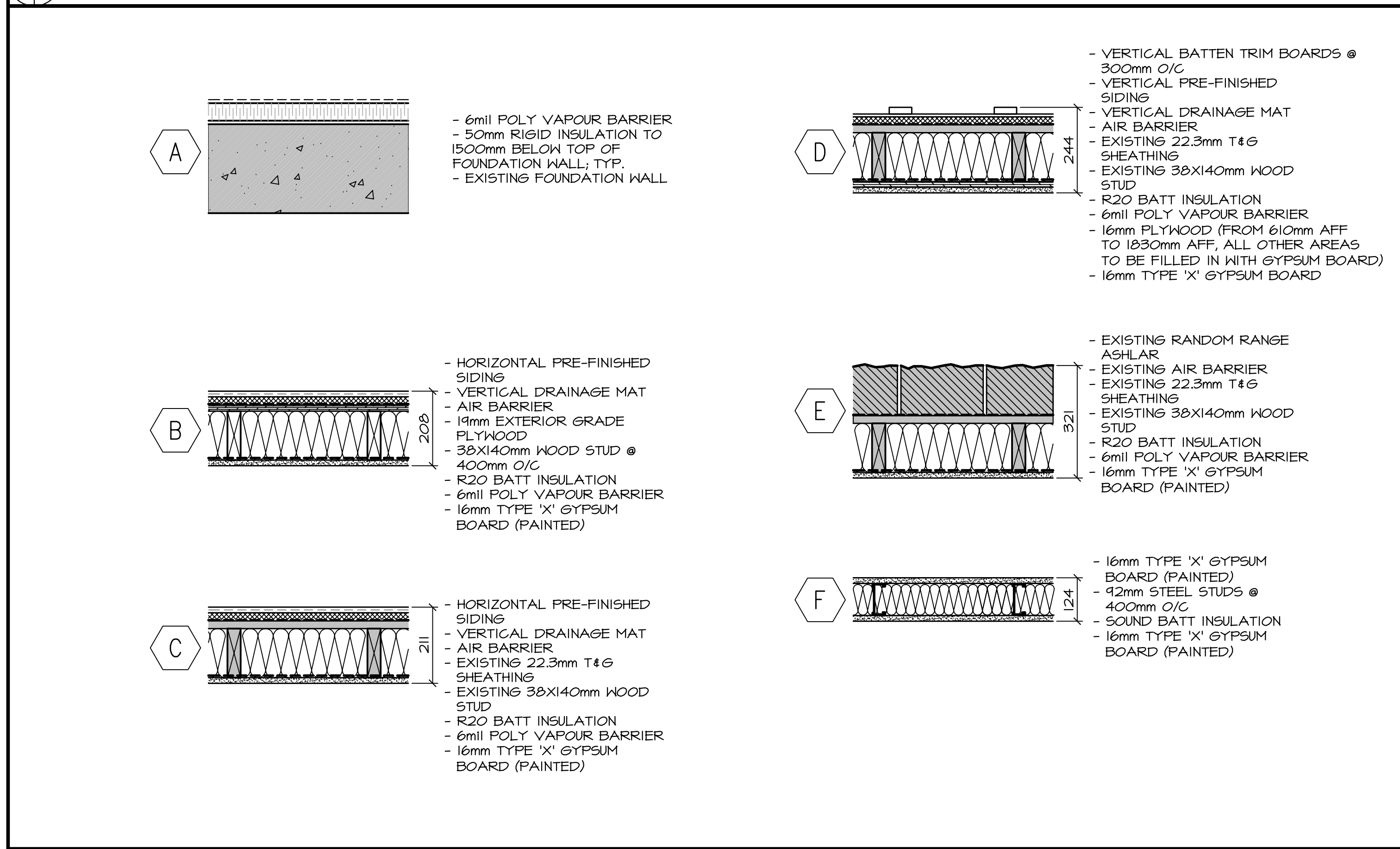
designed: RJM	conçu:
date: JULY 2014	
drawn: HGA	dessiné:
date: JULY 2014	
approved: IM	approuvé:
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Tender:	Soumission:
PWSC Project Manager: Administrateur de projets TPSGC	
project number: R.022851.001	no. du projet:
drawing no.: A-101	no. du dessin:



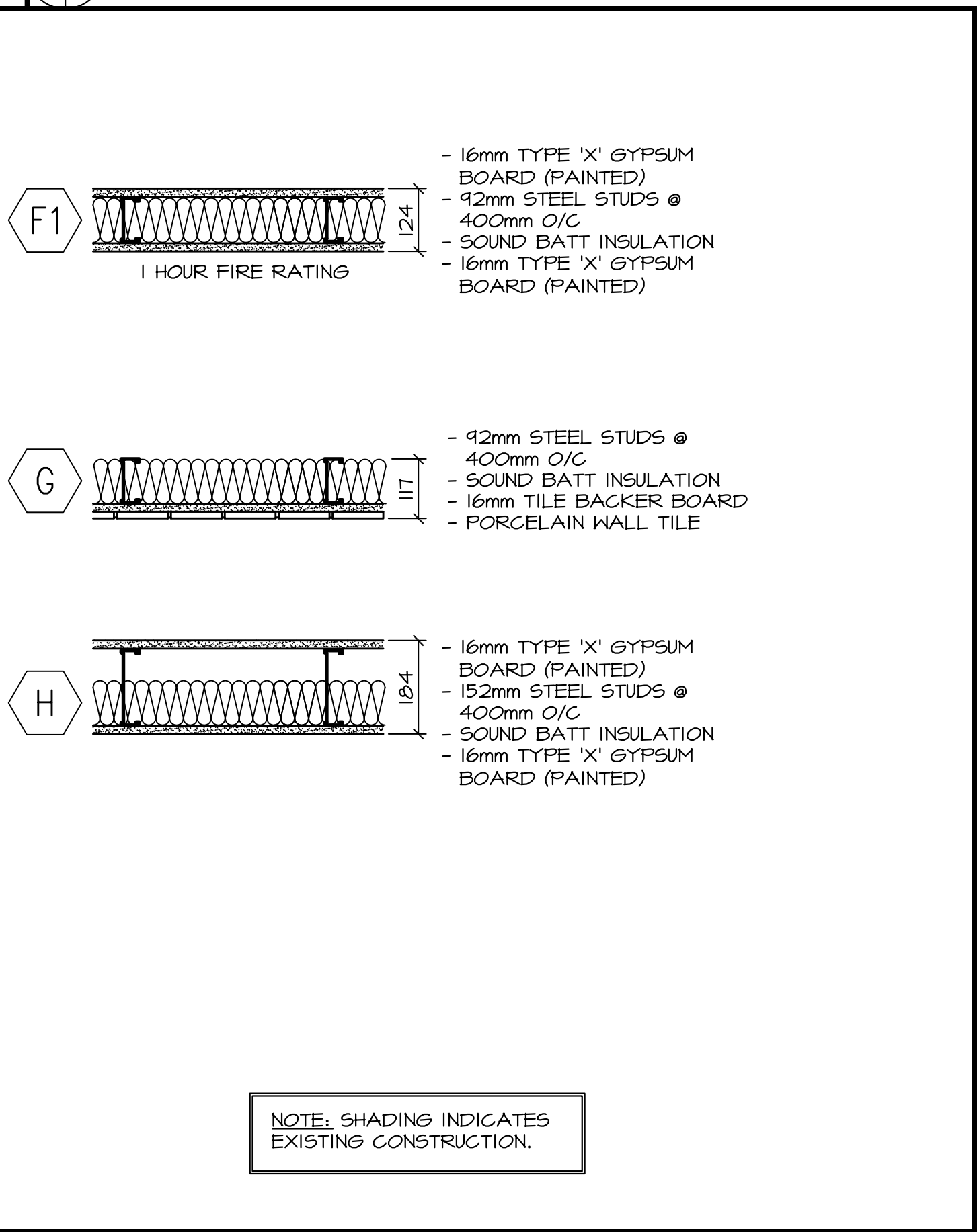


1 FOUNDATION PLAN - NEW CONSTRUCTION SCALE : 1:100

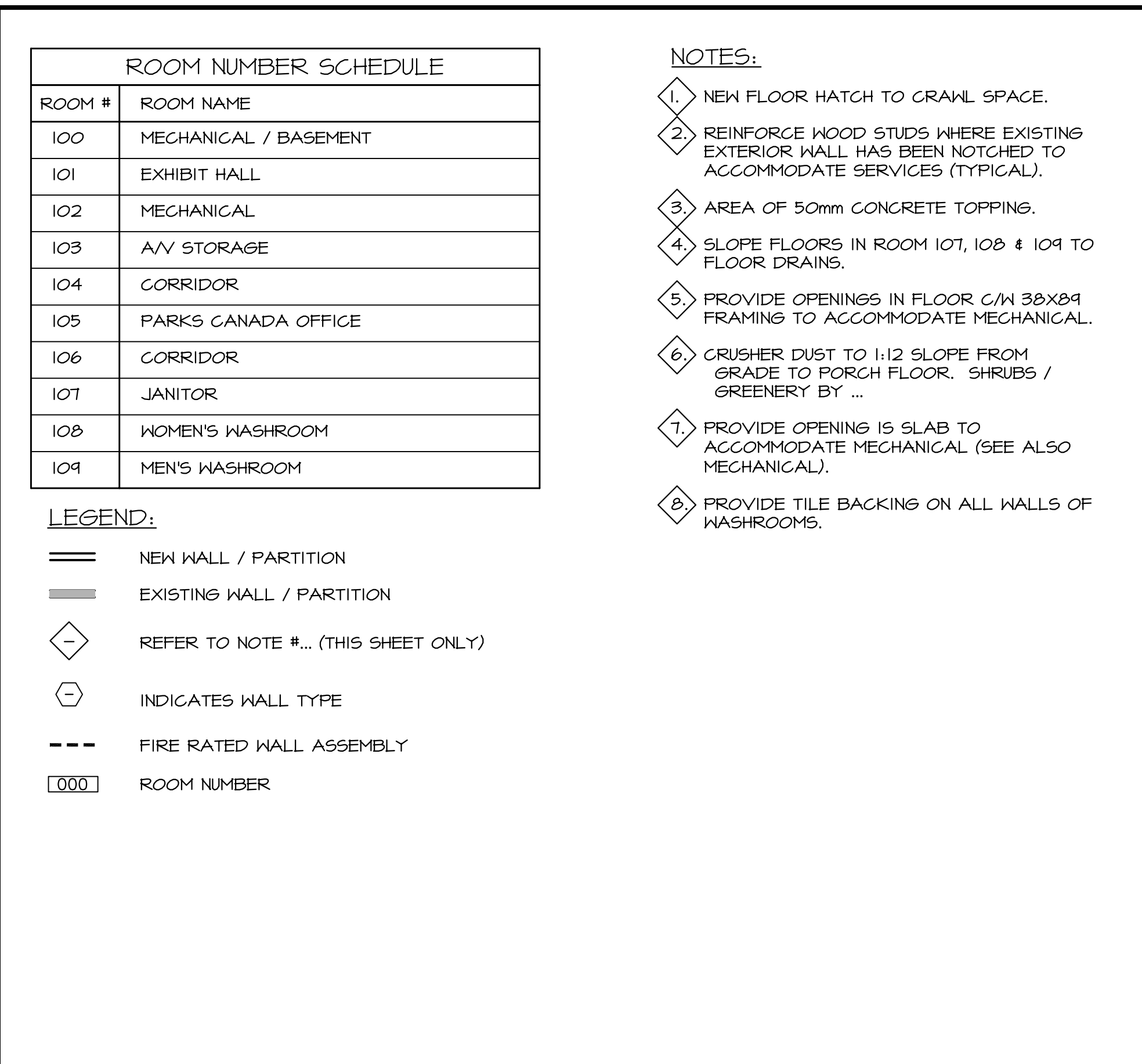
2 GROUND FLOOR PLAN - NEW CONSTRUCTION SCALE : 1:100



3 WALL TYPES SCALE : 1:10



LEGEND:  
 — NEW WALL / PARTITION  
 — EXISTING WALL / PARTITION  
 ◊ REFER TO NOTE #... (THIS SHEET ONLY)  
 ⊕ INDICATES WALL TYPE  
 --- FIRE RATED WALL ASSEMBLY  
 [ ] ROOM NUMBER



NOTES:  
 1 NEW FLOOR HATCH TO CRAWL SPACE.  
 2 REINFORCE WOOD STUDS WHERE EXISTING EXTERIOR WALL HAS BEEN NOTCHED TO ACCOMMODATE SERVICES (TYPICAL).  
 3 AREA OF 50mm CONCRETE TOPPING.  
 4 SLOPE FLOORS IN ROOM 107, 108 & 104 TO FLOOR DRAINS.  
 5 PROVIDE OPENINGS IN FLOOR C/M 30X84 FRAMING TO ACCOMMODATE MECHANICAL.  
 6 CRUSHER DUST TO 1:12 SLOPE FROM GRADE TO PORCH FLOOR. SHRUBS / GREENERY BY ...  
 7 PROVIDE OPENING IS SLAB TO ACCOMMODATE MECHANICAL (SEE ALSO MECHANICAL).  
 8 PROVIDE TILE BACKING ON ALL WALLS OF WASHROOMS.

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Architects: **Stantec**

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22091  
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 Robert J. MacDonald  
 AUGUST 15, 2014  
 STANTEC ARCHITECTURE  
 PROFESSIONAL ASSOCIATION OF ENGINEERS

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revisions		date
project		project

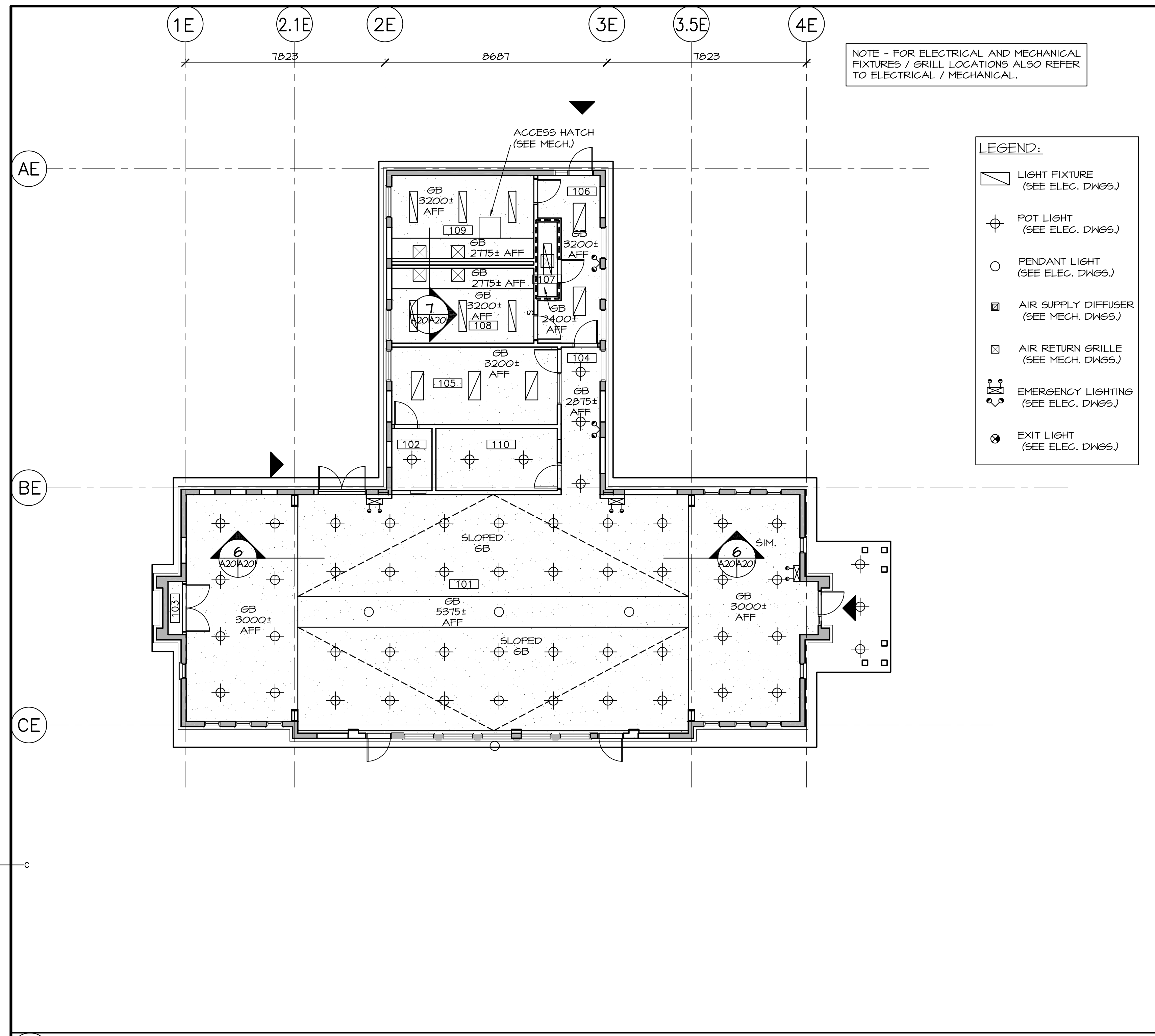
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

drawing: design  
**BASEMENT / GROUND FLOOR PLAN - NEW CONSTRUCTION**

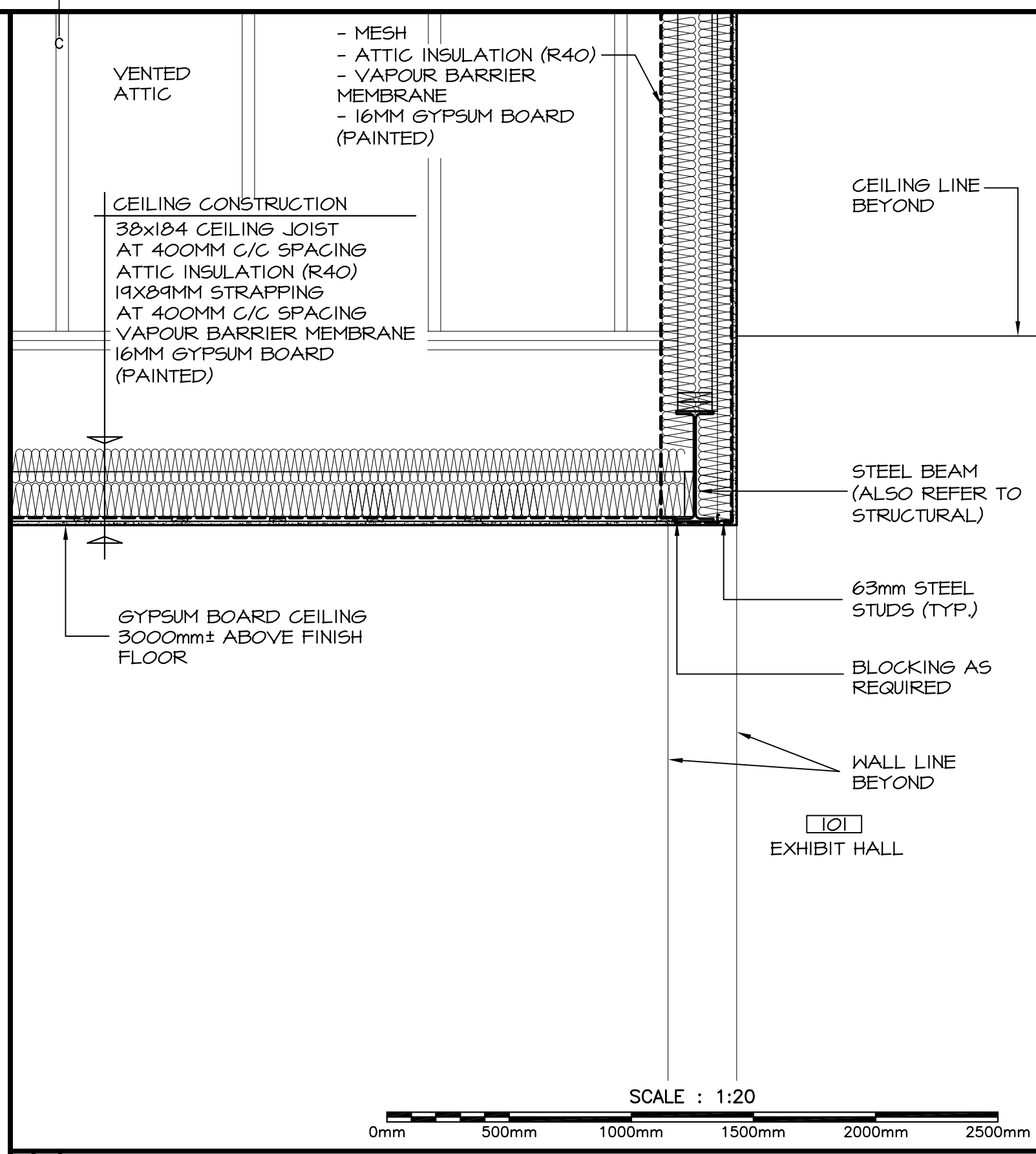
designed RJM	compd
date JULY 2014	
drawn HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
<b>R.022851.001</b>	
drawing no.	no. du dessin
<b>A-102</b>	

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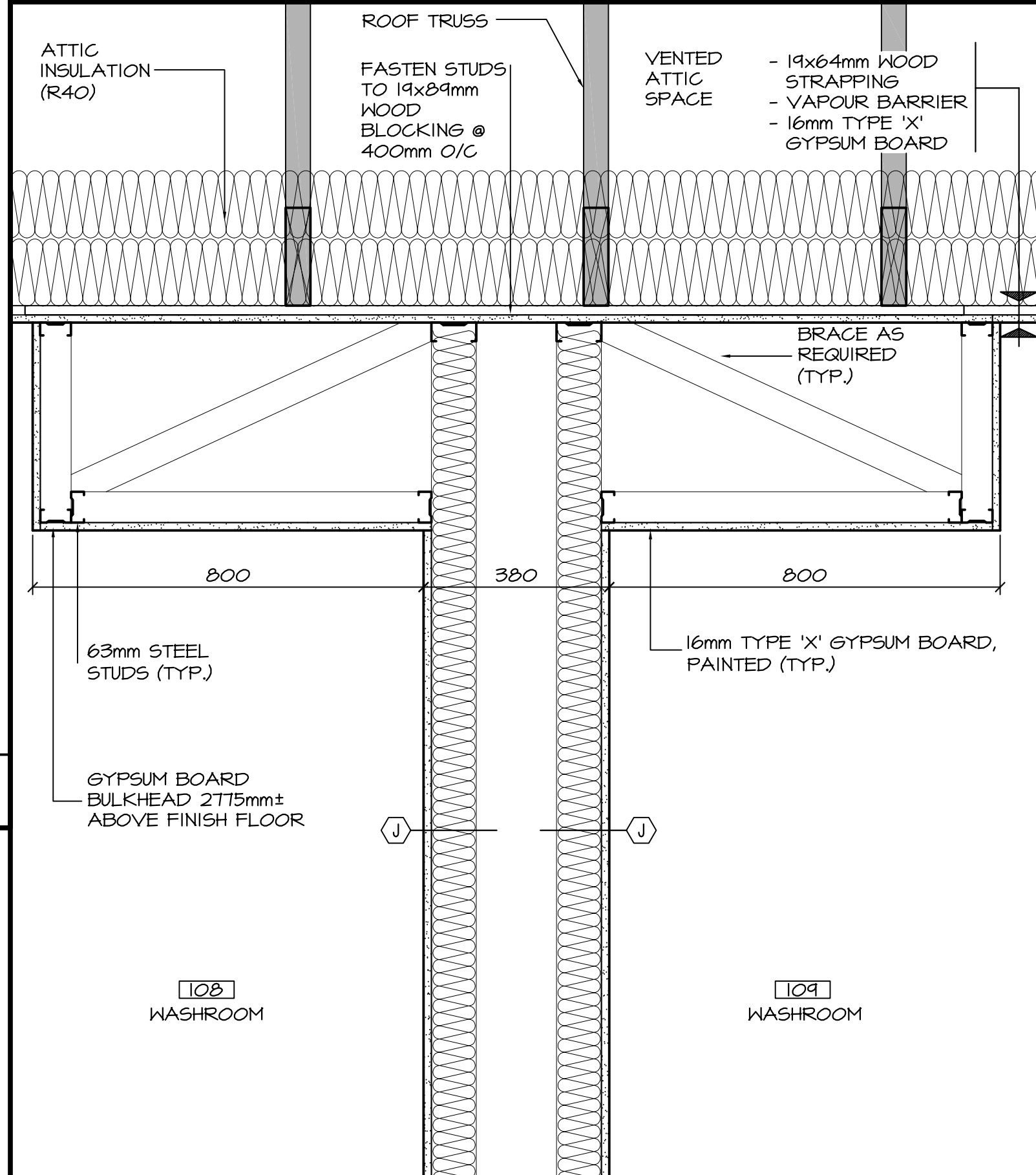




1 REFLECTED CEILING PLAN SCALE: 1:100



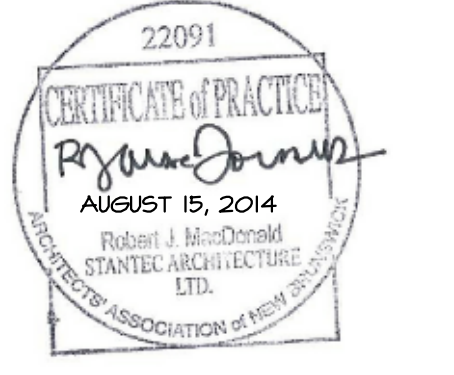
6 BULKHEAD SECTION DETAIL SCALE: 1:20



7 BULKHEAD DETAIL SCALE: 1:10



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revisions		date

project MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK project

drawing REFLECTED CEILING PLAN & DETAILS dessin

designed	RJM	conçu
date	JULY 2014	
drawn	HGA	dessiné
date	JULY 2014	
approved	IM	approuvé
date	JULY 2014	
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSGC	
project number	R.022851.001	no. du projet
drawing no.	A-201	no. du dessin



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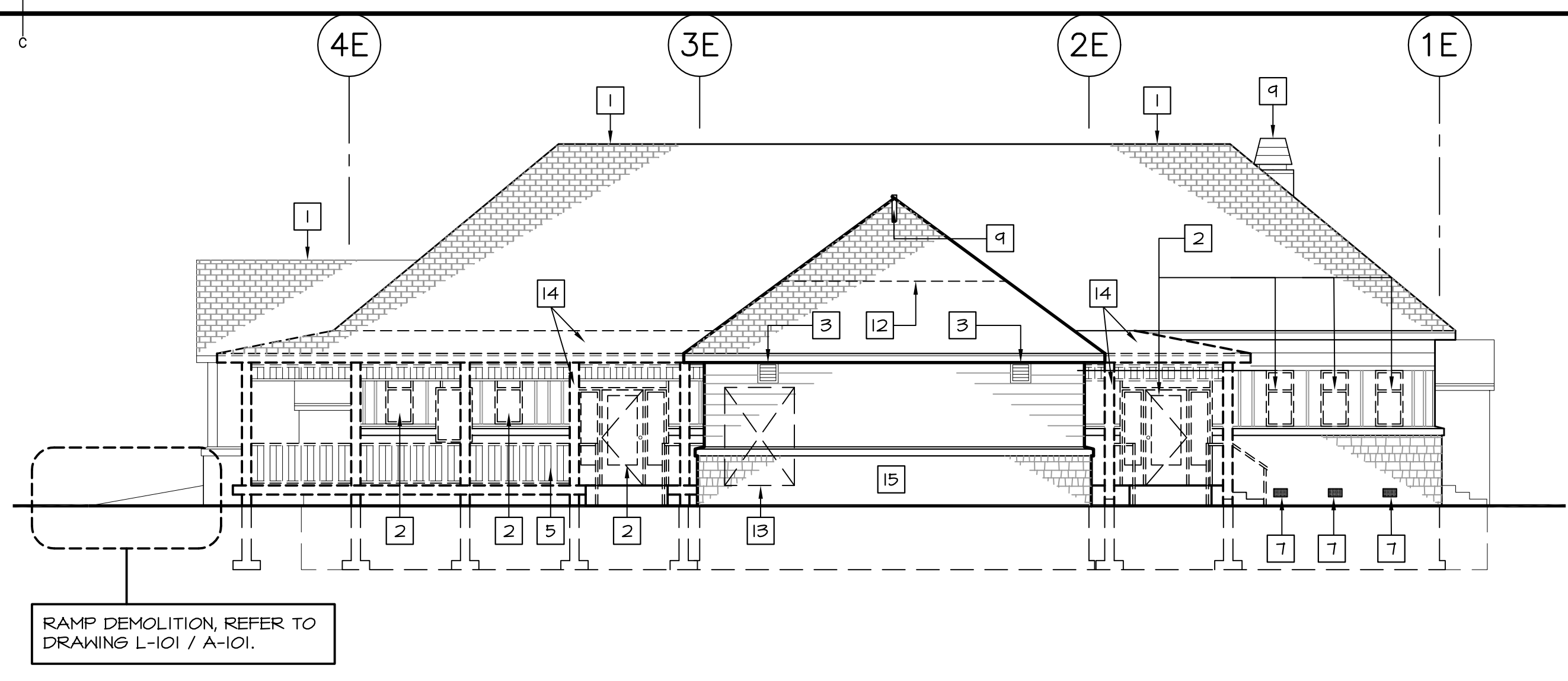
project **MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK** project

drawing **BUILDING ENVELOPE DEMOLITION** dessin

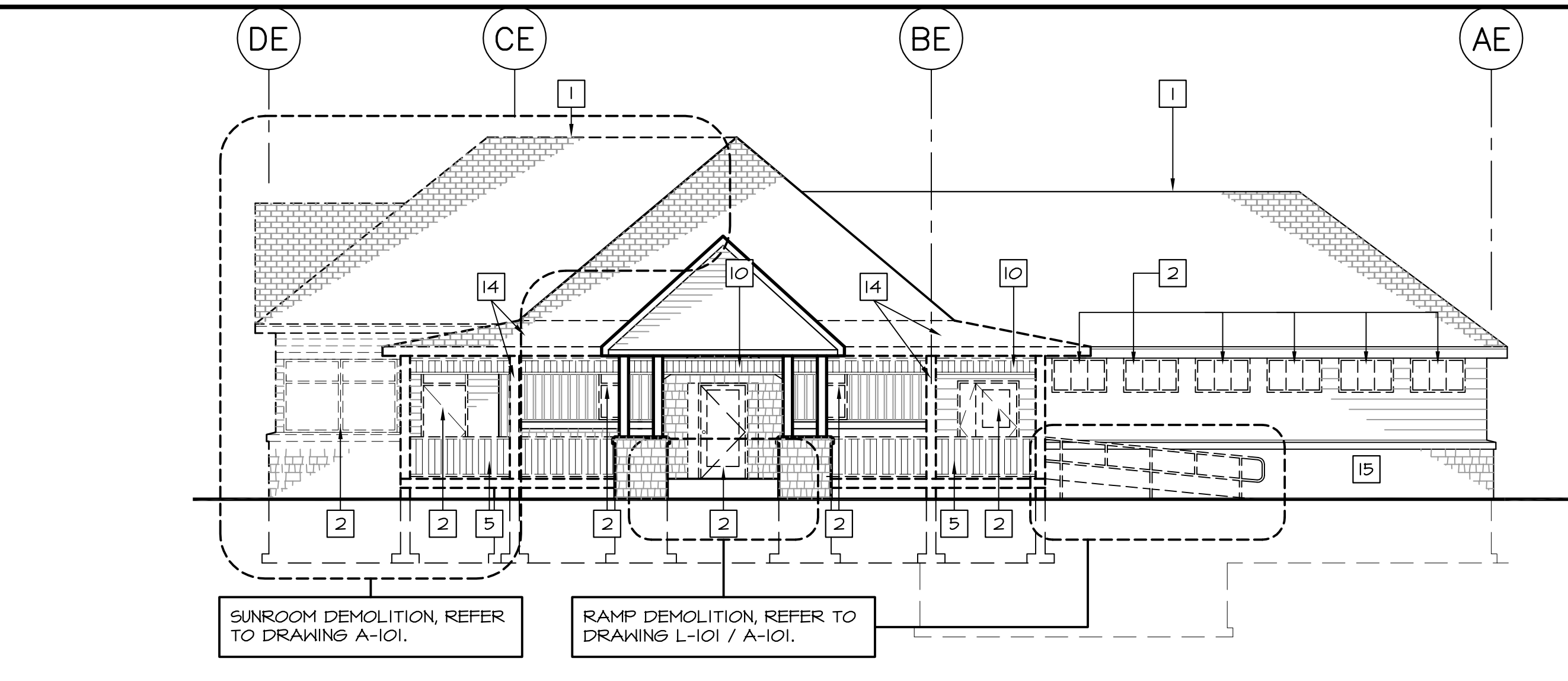
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date JULY 2014	
drawn HGA	dessiné
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approved IM	approuvé
date JULY 2014	
Tender	Soumission

PWSC Project Manager / Administrateur de projets TPSC  
project number / no. du projet **R.022851.001**

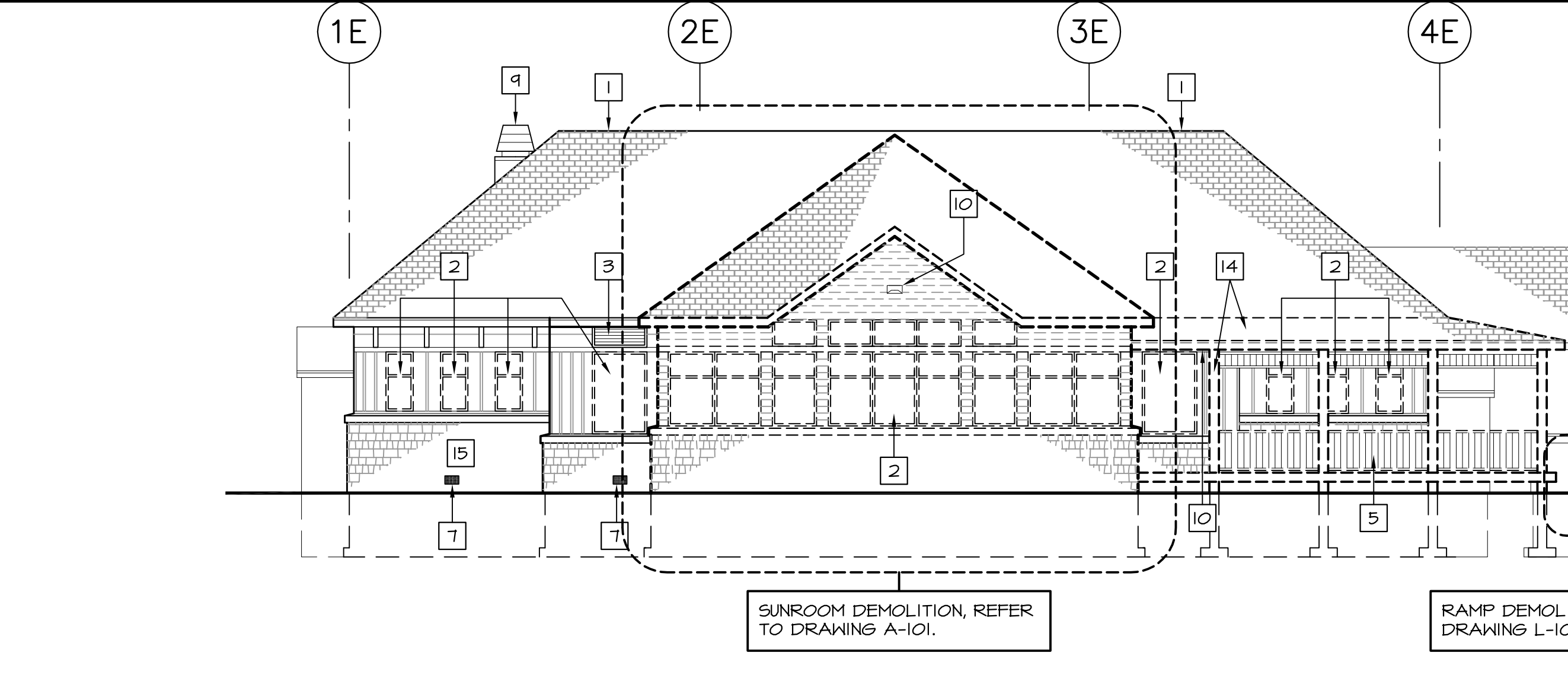
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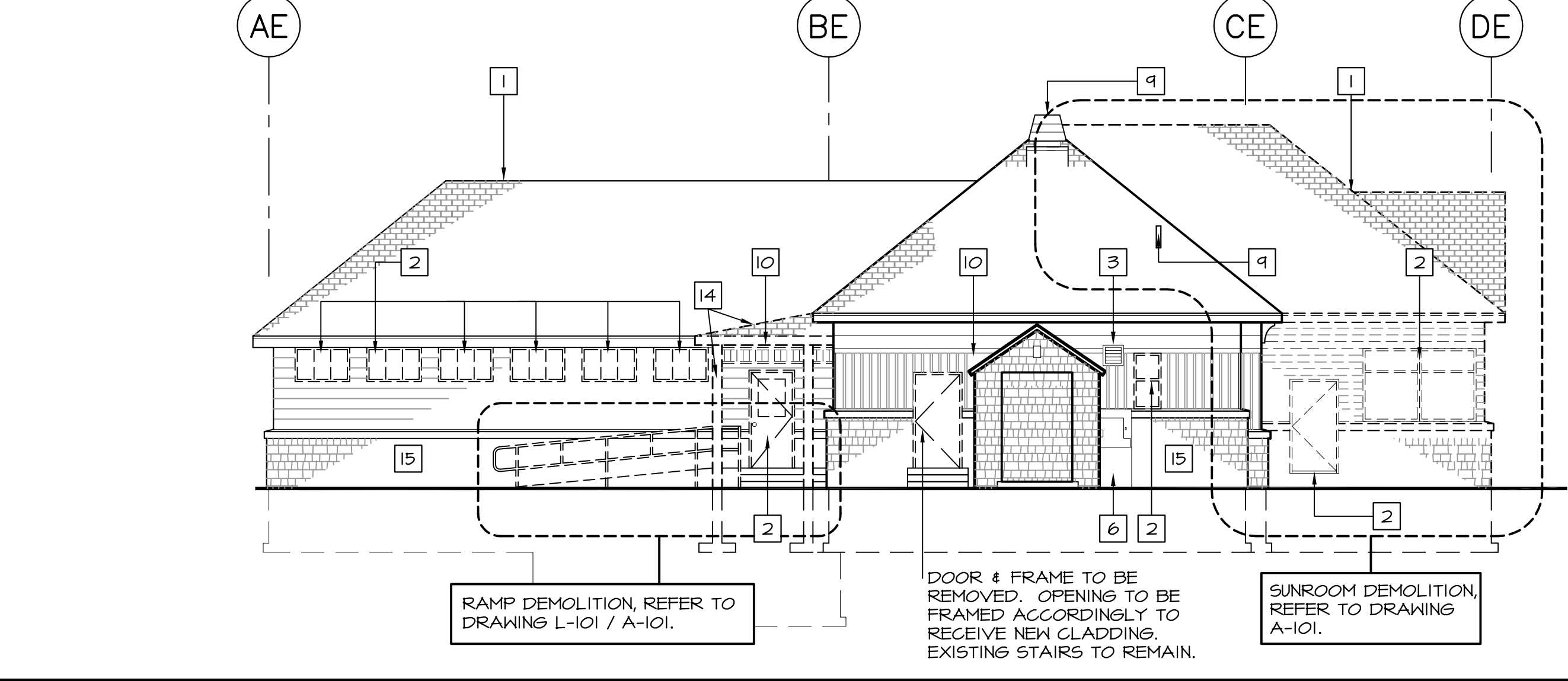
2 NORTH ELEVATION



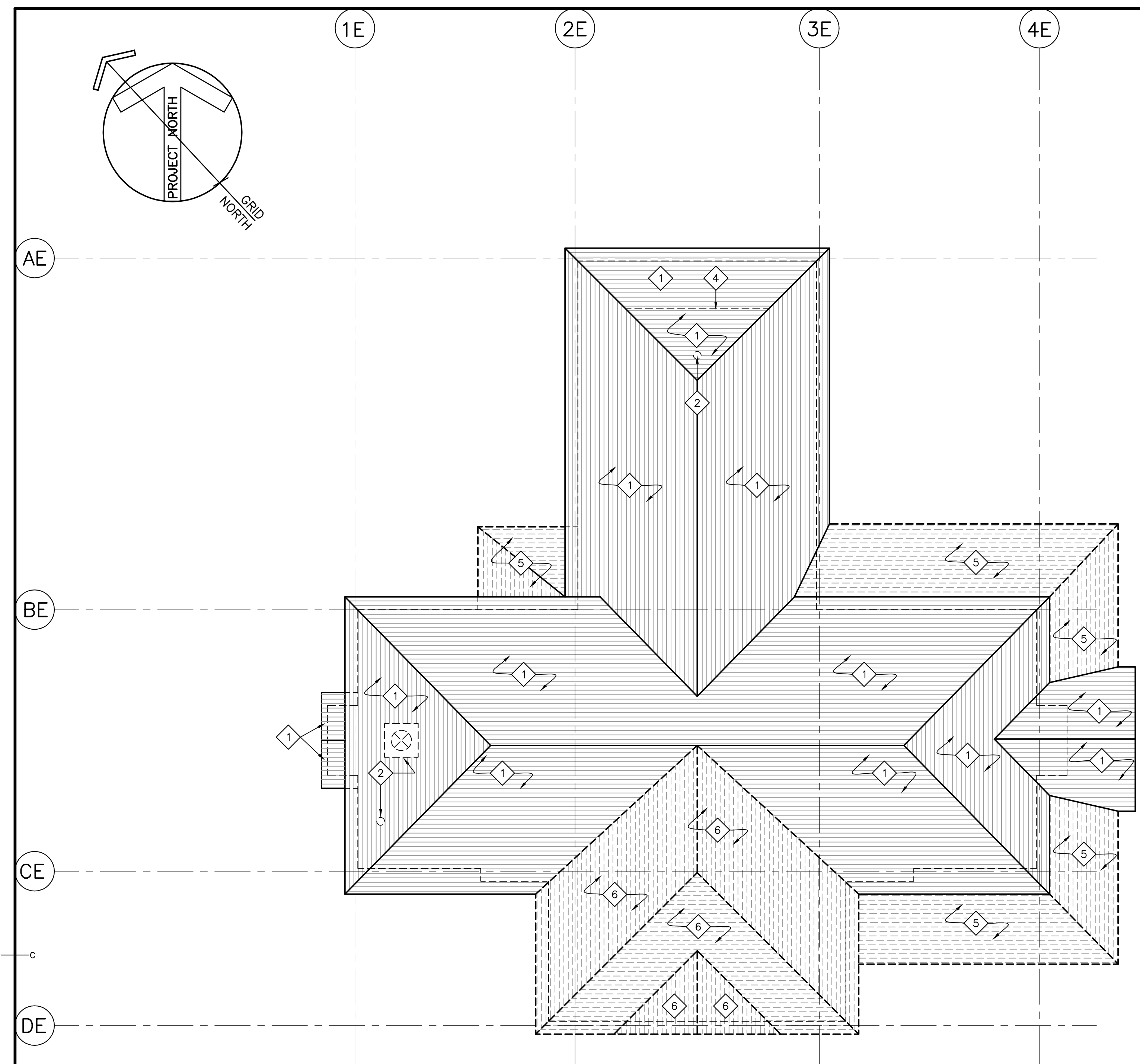
3 EAST ELEVATION



4 SOUTH ELEVATION



5 WEST ELEVATION



- ROOF PLAN DEMOLITION NOTES:**
- ALL EXISTING CEDAR SHINGLE ROOFING, AND ASSOCIATED FELTS / ICE SHIELDS, FLASHINGS, DRIP EDGES, ETC., TO BE REMOVED DOWN TO EXISTING ROOF DECK SHEATHING. PATCH / REPAIR WOOD DECK SHEATHING, WHERE REQUIRED TO RECEIVE NEW METAL ROOF.
  - REMOVE EXISTING ROOF PENETRATIONS (VENTS, MECHANICAL UNITS, ETC.) AND ASSOCIATED FLASHINGS. PATCH AND REPAIR ROOF DECK SHEATHING AS REQUIRED.
  - CHIMNEY SHAFT AND ASSOCIATED FLASHINGS, ETC., TO BE REMOVED, FULL HEIGHT TO FOUNDATION BASE.
  - DEMOLISH EXISTING ROOF ACCORDINGLY TO ACCOMMODATE NEW DORMER.
  - DEMOLISH EXISTING PORCH ROOF C/N STRUCTURE.
  - DEMOLISH EXISTING SUNROOM / SUNROOM / CANOPY.

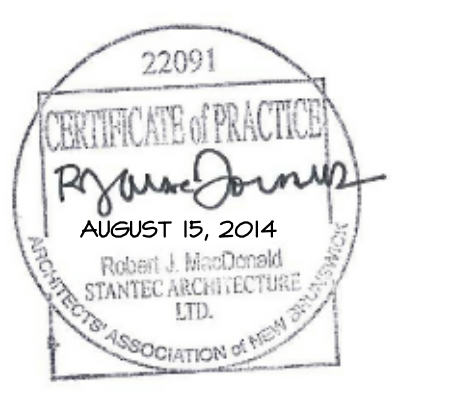
EXISTING ROOF PLAN - DEMOLITION & REMOVALS SCALE : 1:100

<p><b>LEGEND (EXISTING MATERIALS):</b></p> <ul style="list-style-type: none"> <li>RANDOM RANGE ASHLAR</li> <li>HORIZONTAL WOOD SIDING</li> <li>VERTICAL BOARD AND BATTEN CLADDING</li> <li>CEDAR SHINGLES</li> </ul>	<p><b>ELEVATION DEMOLITION NOTES:</b></p> <ol style="list-style-type: none"> <li>ROOF DEMOLITION. REFER TO DRAWING I / A-301.</li> <li>ALL EXISTING DOORS / WINDOWS TO BE REMOVED.</li> <li>THRU-WALL VENTS, ETC., TO BE REMOVED. PATCH OPENINGS, FLUSH WITH EXISTING EXTERIOR SHEATHING.</li> <li>ALL HORIZONTAL / VERTICAL SIDING / SHINGLES, VAPOUR BARRIER, FELTS, ETC., TO BE REMOVED. NOTE: ASHLAR TO REMAIN UNLESS OTHERWISE NOTED.</li> <li>REMOVE EXISTING VERANDA DECK / CANOPY.</li> <li>REMOVE WOOD ENCLOSURE / C/N CONCRETE BASE.</li> <li>EXISTING THRU-WALL VENT TO REMAIN. REPLACE ANY DAMAGED GRILLES TO MATCH EXISTING.</li> <li>ALL STONE REMOVED DURING DEMOLITION TO BE RETAINED FOR REUSE.</li> <li>REMOVE ALL EXISTING ROOF PENETRATIONS (VENTS, MECHANICAL UNITS, ETC.). PATCH &amp; REPAIR ROOF DECK SHEATHING AS REQUIRED. NOT ALL ITEMS MAY BE ILLUSTRATED.</li> <li>REMOVE ALL EXTERIOR LIGHT FIXTURES; NOT ALL ITEMS MAY BE ILLUSTRATED.</li> <li>NOT USED</li> <li>DEMOLISH EXISTING ROOF ACCORDINGLY TO ACCOMMODATE NEW DORMER.</li> <li>DEMOLISH EXISTING WALL TO PROVIDE OPENING FOR NEW DOOR AND SIDELIGHT.</li> <li>REMOVE ROOF C/N STRUCTURE.</li> <li>CLEAN WITH WIRE BRUSH ANY SURFACE DIRT, ORGANIC GROWTH, ETC. AND CLEAN STONE (TYPICAL).</li> </ol>
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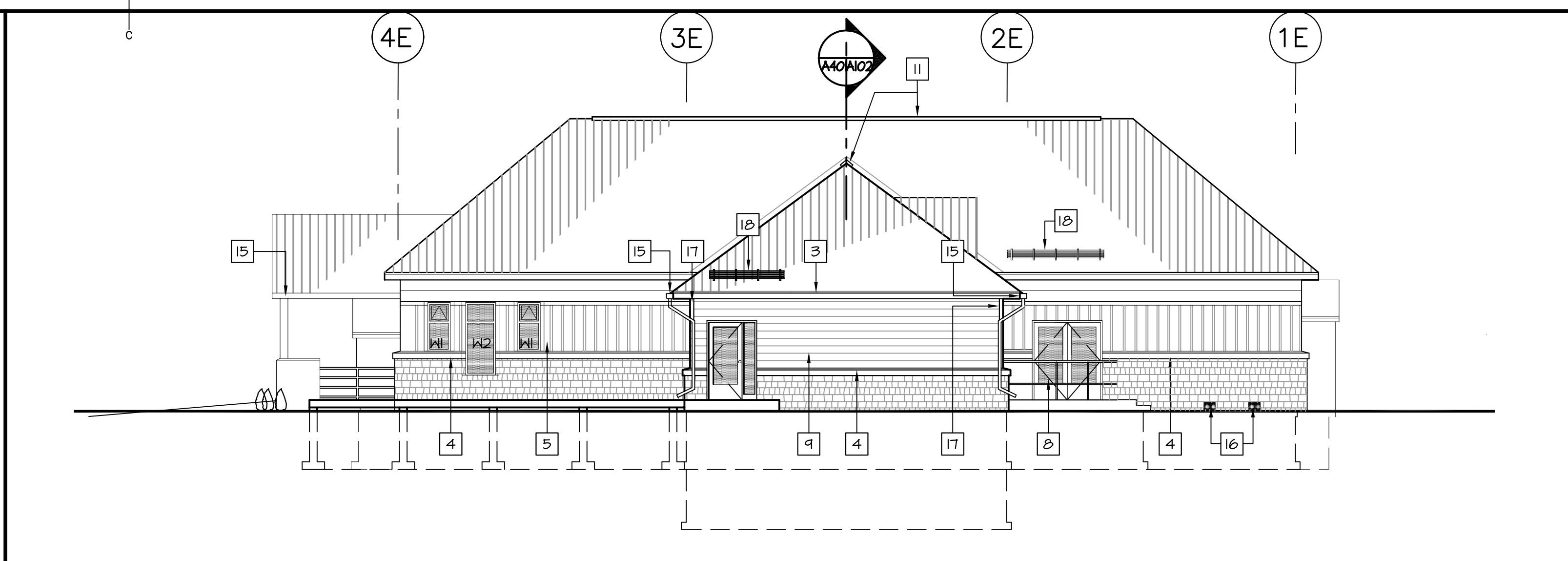
project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

drawing / dessin  
**BUILDING ENVELOPE NEW CONSTRUCTION**

designed RJM	compd
date JULY 2014	
drawn HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	

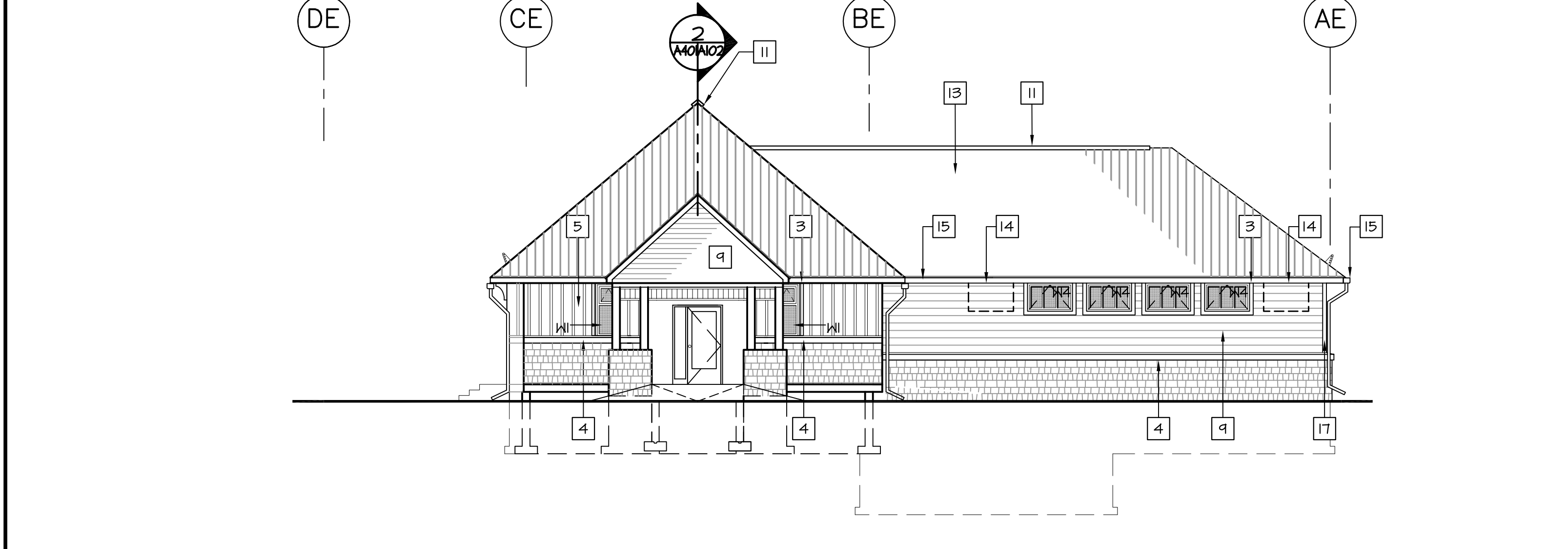
Tender / Soumission  
 PWSC Project Manager / Administrateur de projets TPSGC  
 project number / no. du projet  
**R.022851.001**

drawing no. / no. du dessin  
**A-302**



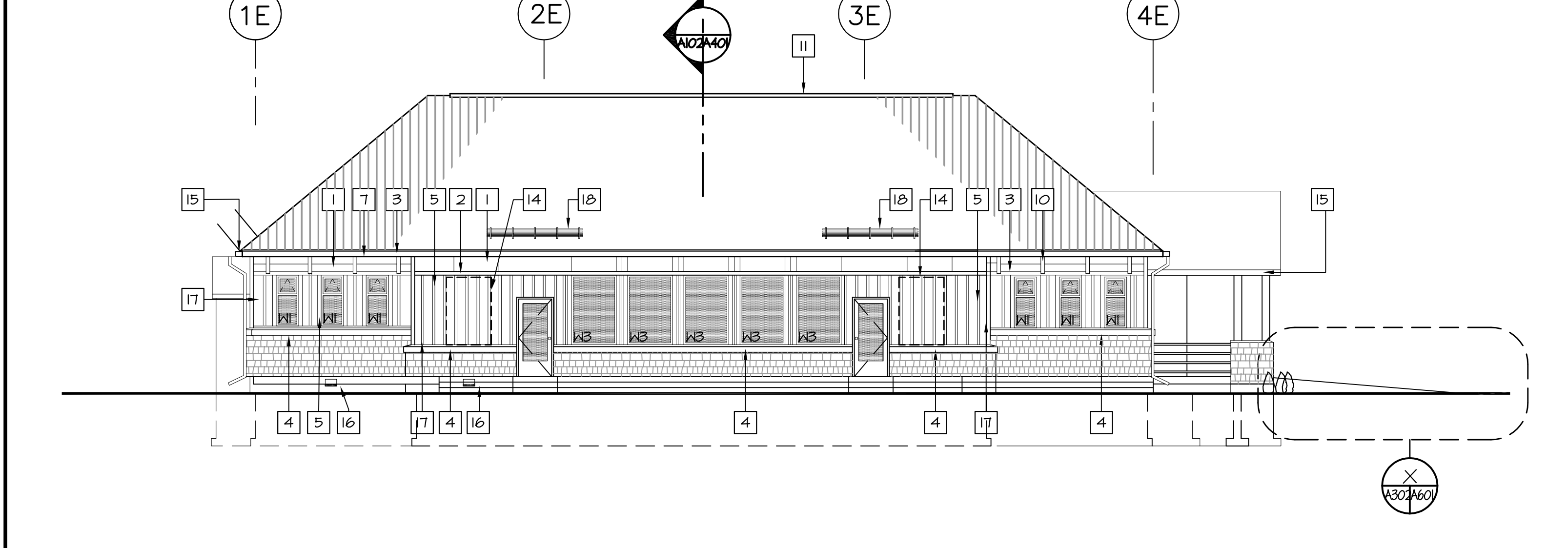
**2 NORTH ELEVATION**

SCALE : 1:100  
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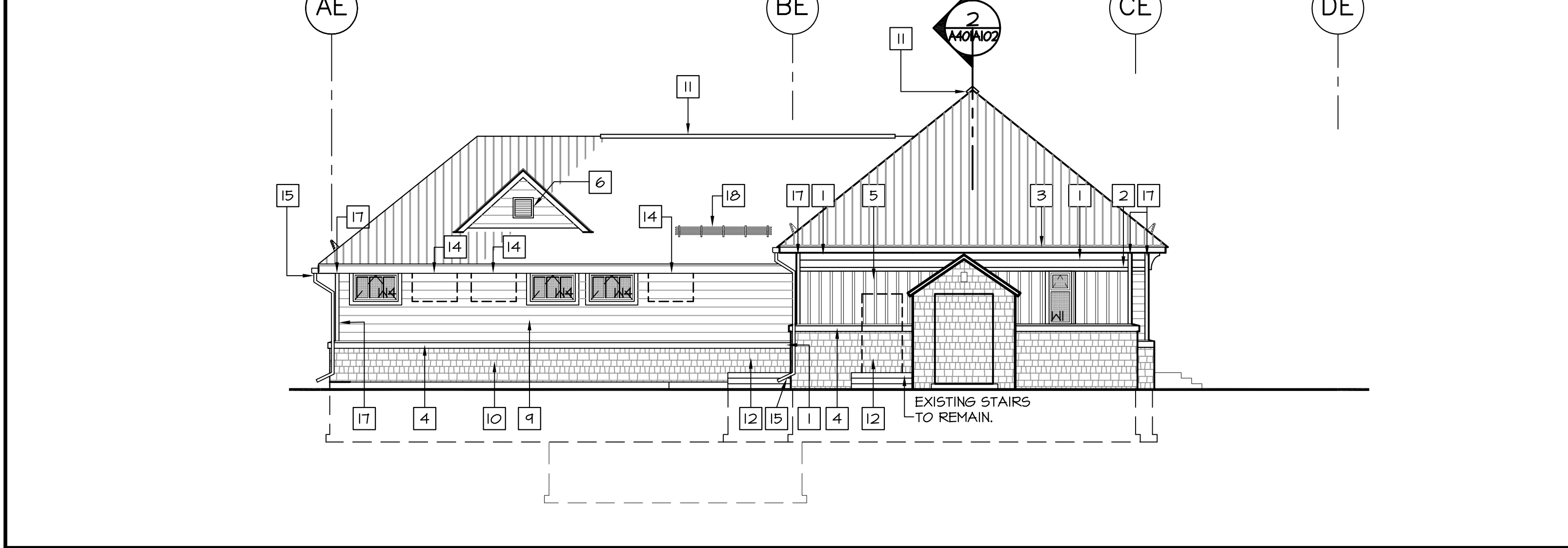
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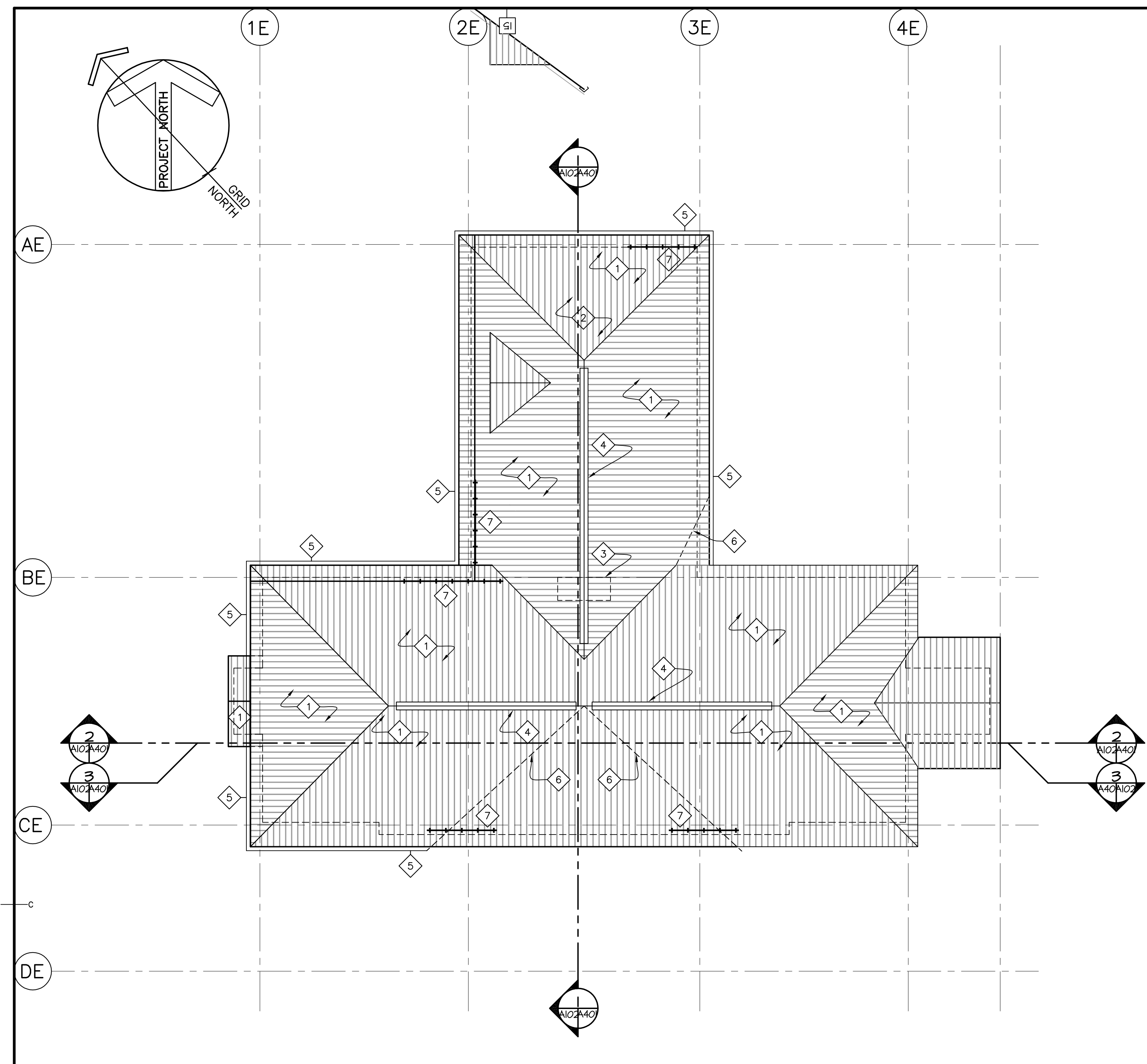
**4 SOUTH ELEVATION**

SCALE : 1:100  
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**5 WEST ELEVATION**

SCALE : 1:100  
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



**NEW CONSTRUCTION NOTES (ROOF PLAN):**

1. EXISTING SLOPED ROOF CONSTRUCTION:	2. NEW SLOPED ROOF CONSTRUCTION:	3. ROOF INFILL / FORMER CHIMNEY OPENING.
• PRE-FINISHED METAL ROOFING	• PRE-FINISHED METAL ROOFING	
• WATERPROOFING MEMBRANE	• WATERPROOFING MEMBRANE	
• EXISTING ROOF DECK SHEATHING (PATCH & REPAIR AS REQUIRED)	• 16mm EXTERIOR GRADE PLYWOOD DECKING	
• EXISTING / REPAIRED WOOD TRUSS	• WOOD TRUSS	
		4. ROOF RIDGE VENTS, AS SPECIFIED
		5. GUTTERS / DOWNSPOUTS, AS SPECIFIED
		6. LINE OF ROOF REMOVAL.
		7. ICE AND SNOW GUARDS.

**1 ROOF PLAN - NEW CONSTRUCTION**

**LEGEND:**

	RANDOM RANGE ASHLAR, EXISTING / RE-INSTATED
	PRE-FINISHED METAL ROOFING, NEW
	HORIZONTAL PRE-FINISHED SIDING, NEW
	PRE-FINISHED VERTICAL SIDING WITH BATTEN TRIM BOARDS, NEW

**GENERAL NOTES:**

1. EXISTING MASONRY TO BE RE-POINTED AND CLEANED AS REQUIRED (TYPICAL).
2. ALL STONES REMOVED TO BE SALVAGED. DAMAGED MASONRY CLADDING TO BE REPLACED WITH SALVAGED STONES. INFILL AREAS WHERE VOIDS EXIST.
3. ALL FASCIA AND TRIM BOARDS TO BE REPLACED TO MATCH EXISTING. VERIFY IN FIELD.
4. ALL TRIM HEIGHT TO MATCH ELEVATION OF EXISTING ADJACENT STONE SILL AS SHOWN.

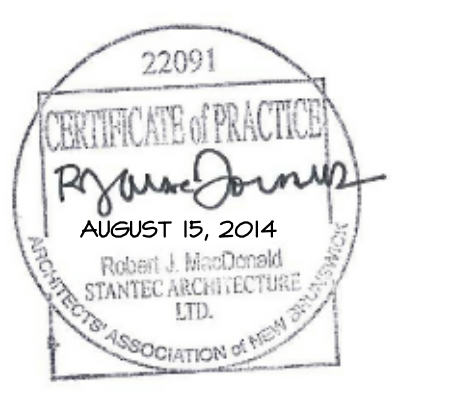
**ELEVATION NOTES:**

1. PRE-FINISHED TRIM BOARD (200mm)	11. RIDGE VENT
2. PRE-FINISHED TRIM BOARD (100mm)	12. MATCHING ASHLAR INFILL REQUIRED AT REMOVED EXIT DOOR. REMOVE EXISTING ASHLAR TO ACCOMMODATE INFILL SAW TOOTHED IN.
3. PRE-FINISHED FASCIA TRIM BOARD	13. PRE-FINISHED METAL ROOFING
4. STONE SILL	14. INFILL AT WINDOW REMOVAL TO MATCH ADJACENT SURFACES.
5. PRE-FINISHED VERTICAL BOARD AND BATTEN SIDING	15. PRE-FINISHED GUTTER C/W DOWNSPOUTS
6. LOUVER (REFER TO MECH.)	16. EXISTING THRU-WALL VENT; REPLACE DAMAGED GRILLES TO MATCH EXISTING
7. REINSTALLED WOOD BRACKETS (4 TOTAL)	17. PRE-FINISHED CORNER TRIM
8. METAL GUARD RAIL	18. SNOW AND ICE GUARD
9. PRE-FINISHED HORIZONTAL SIDING	
10. WOOD BRACKETS TO MATCH EXISTING.	



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revisions		date

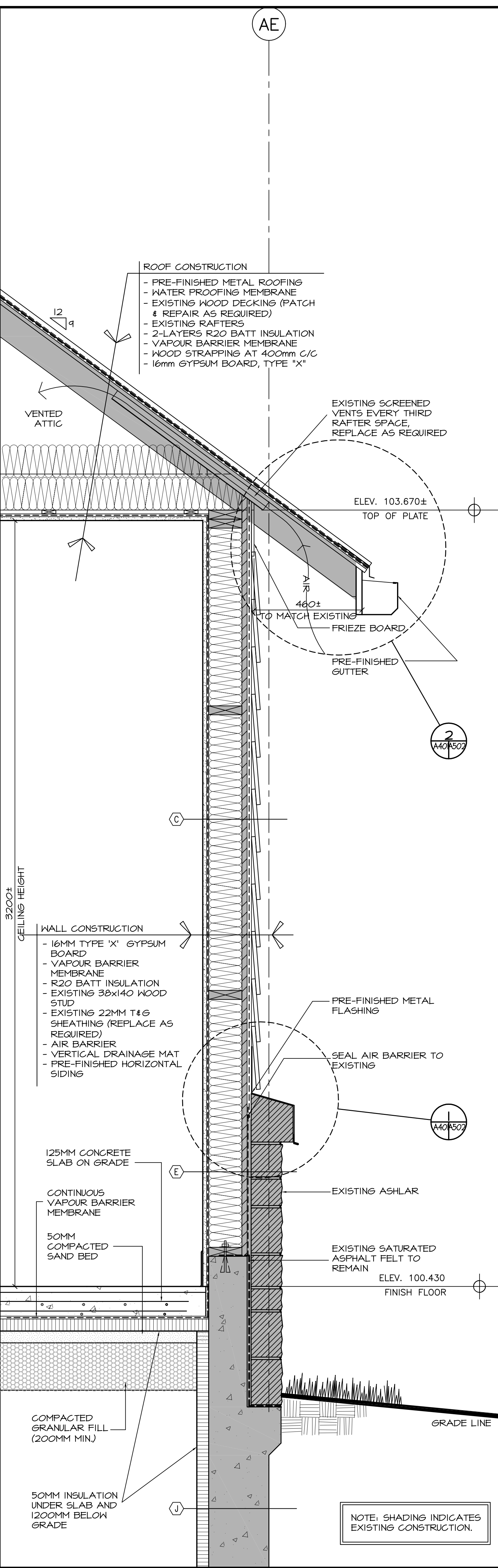
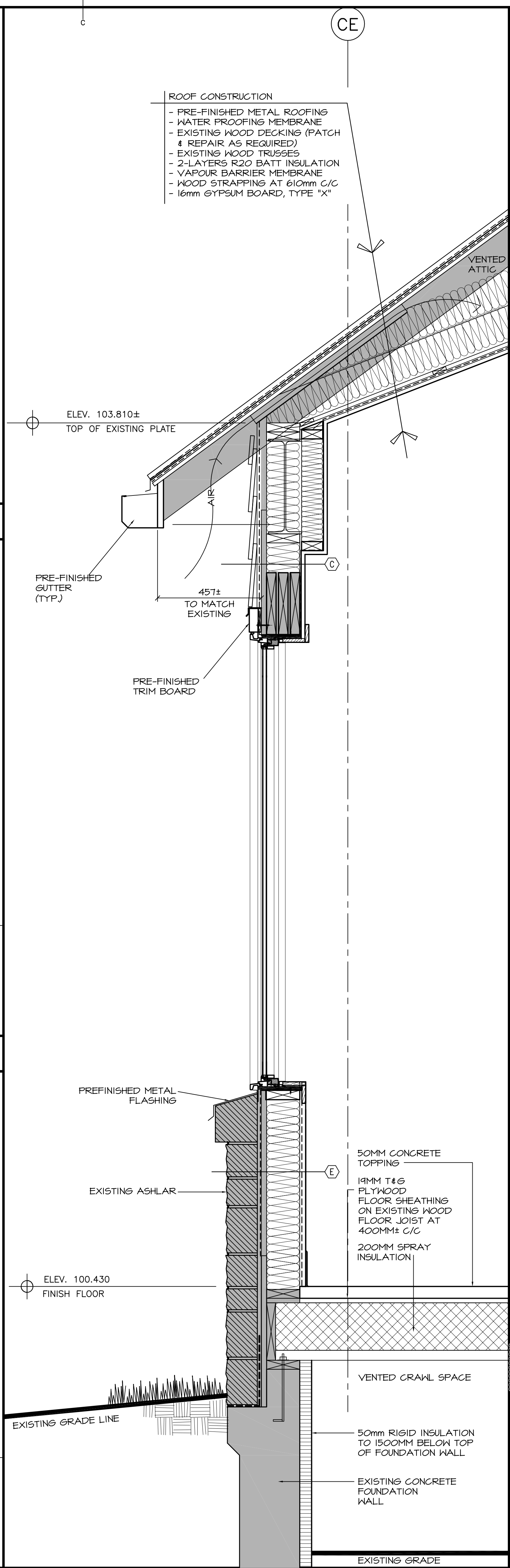
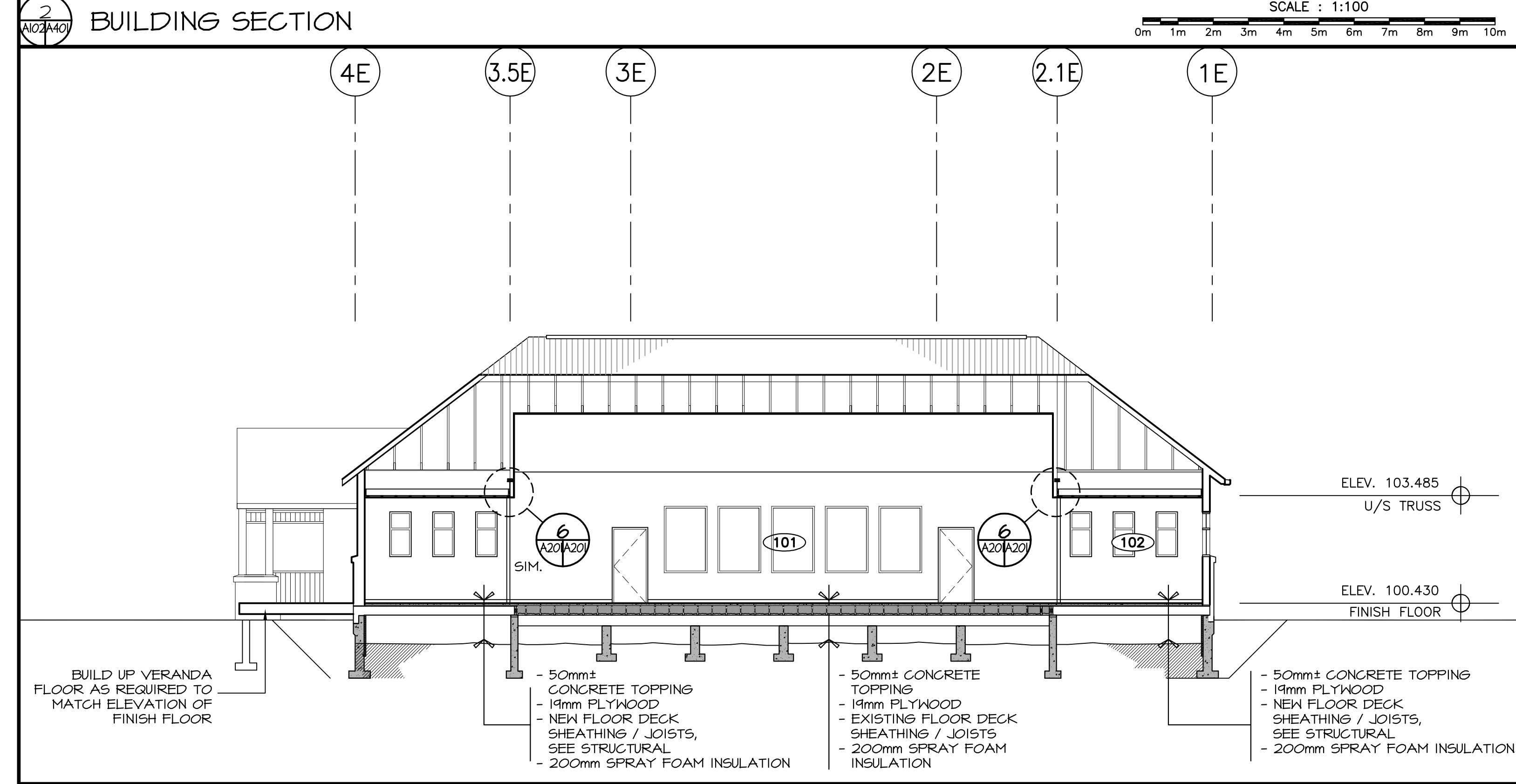
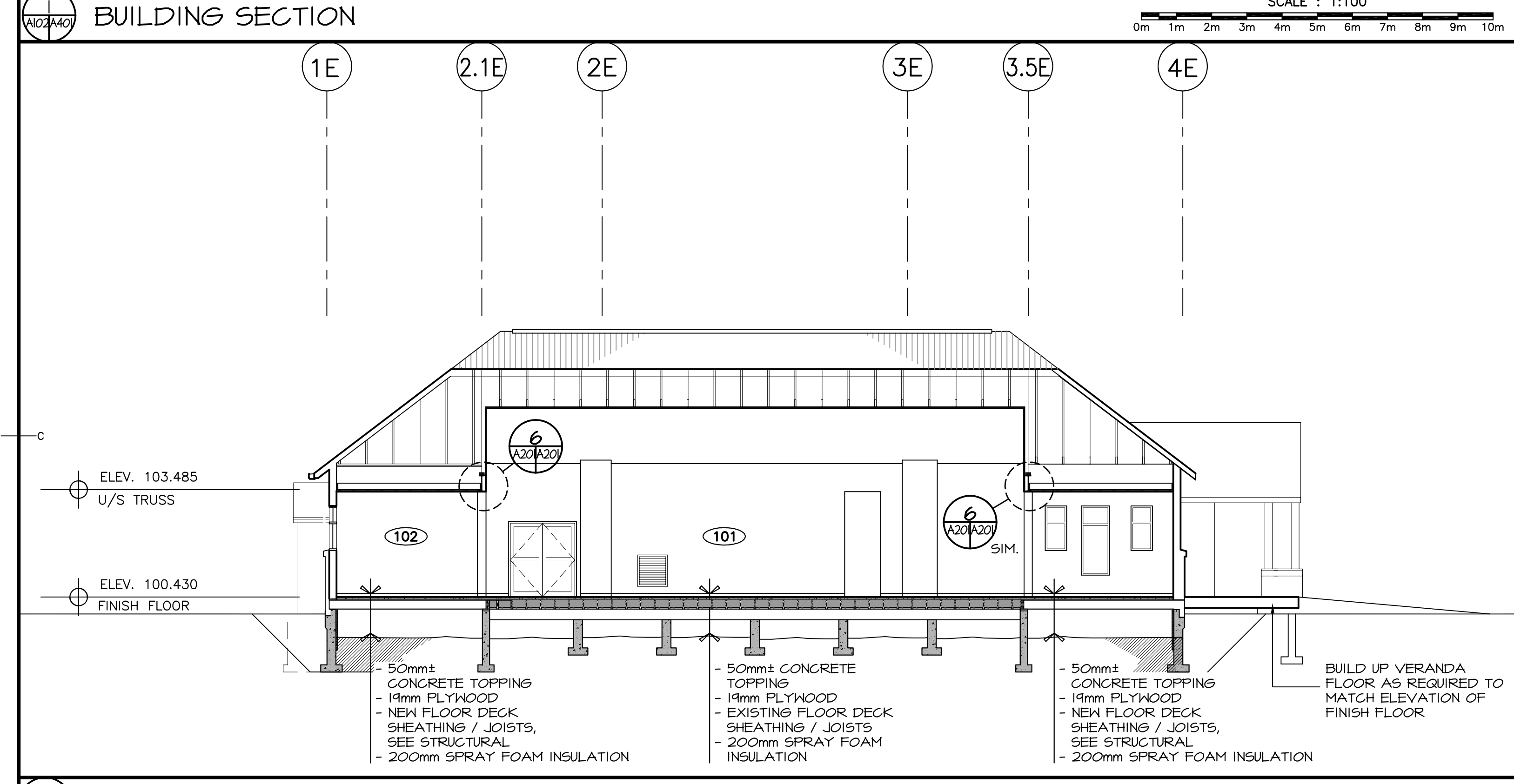
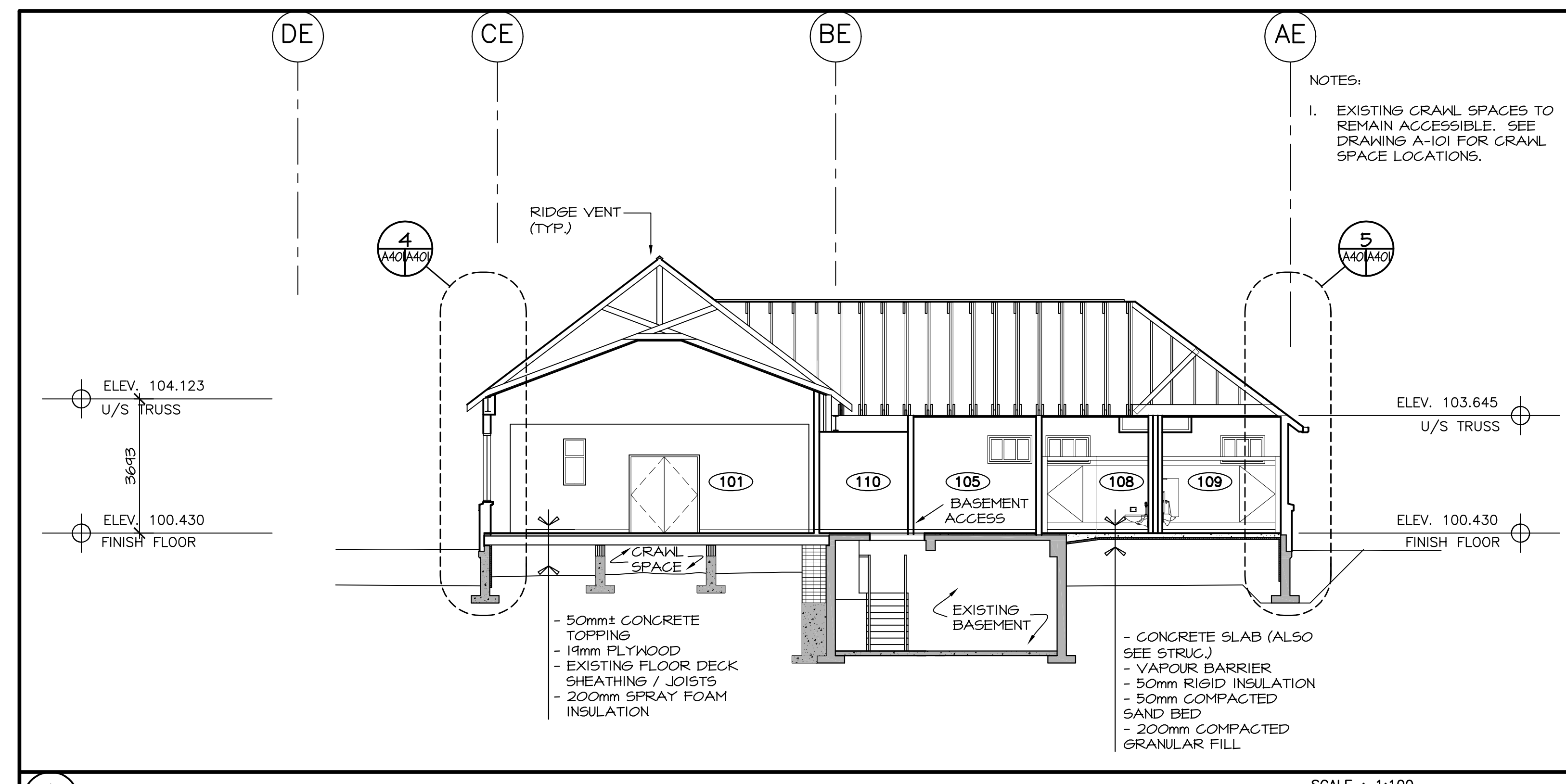
project **MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK** project

drawing **BUILDING SECTIONS & WALL SECTIONS** design

designed	RJM	conçu
date	JULY 2014	
drawn	HGA	dessiné
date	JULY 2014	
approved	IM	approuvé
date	JULY 2014	
Tender		Soumission

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project number / no. du projet **R.022851.001**

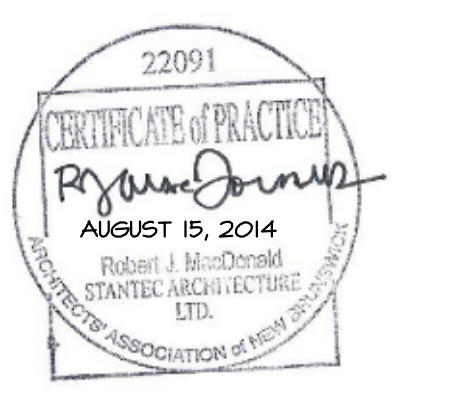
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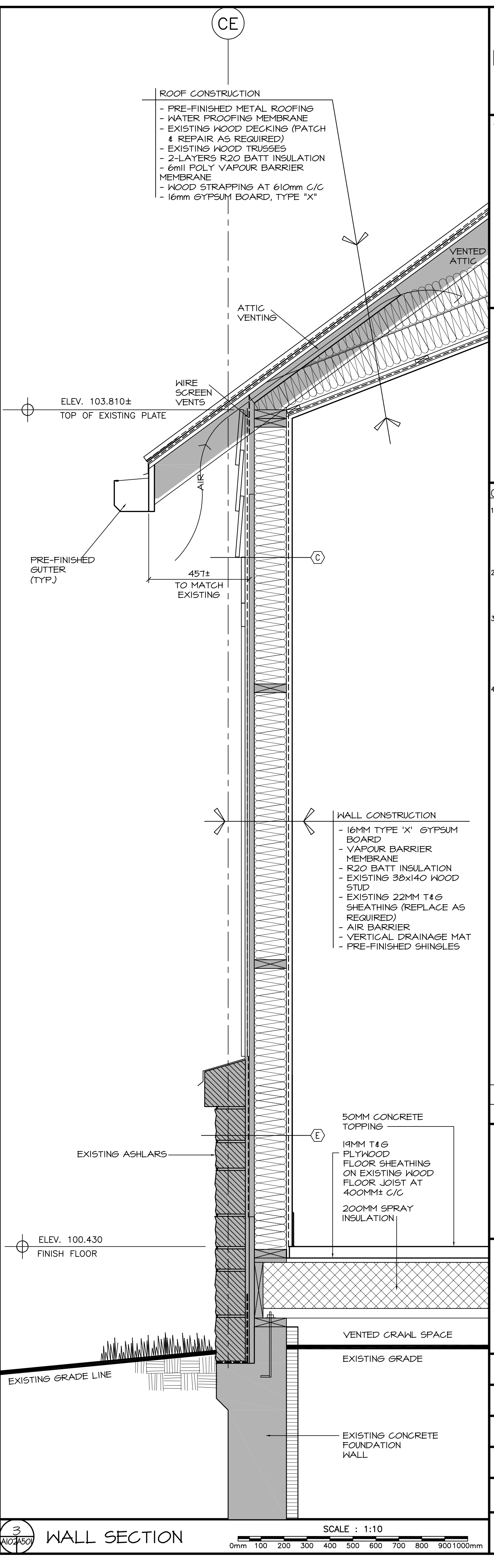
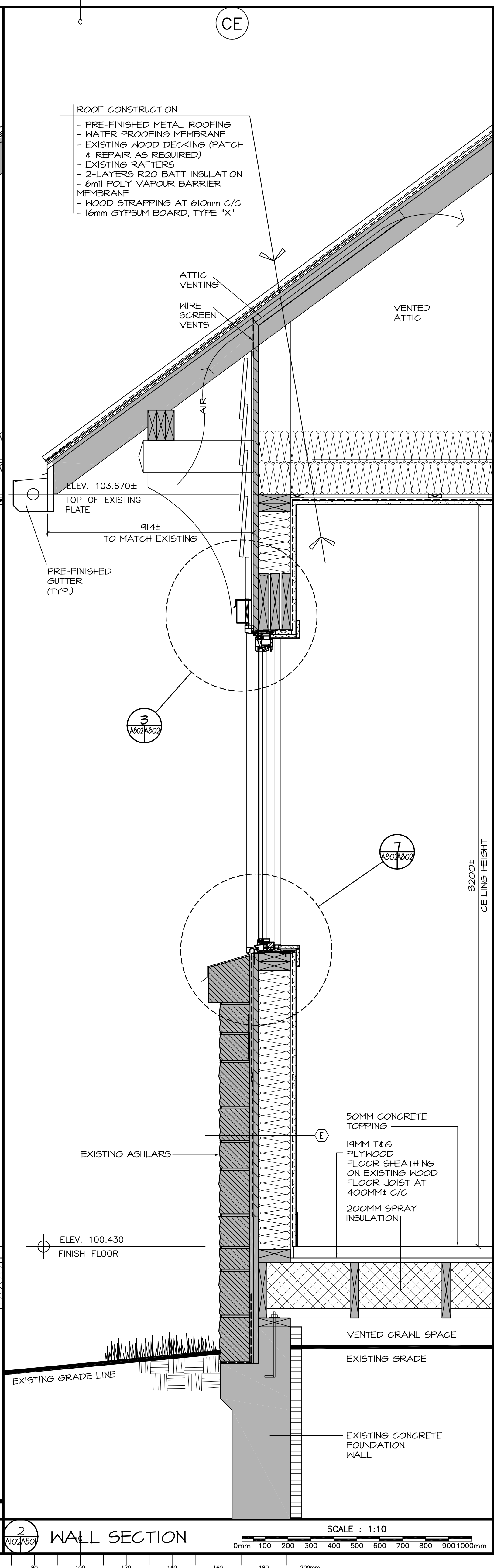
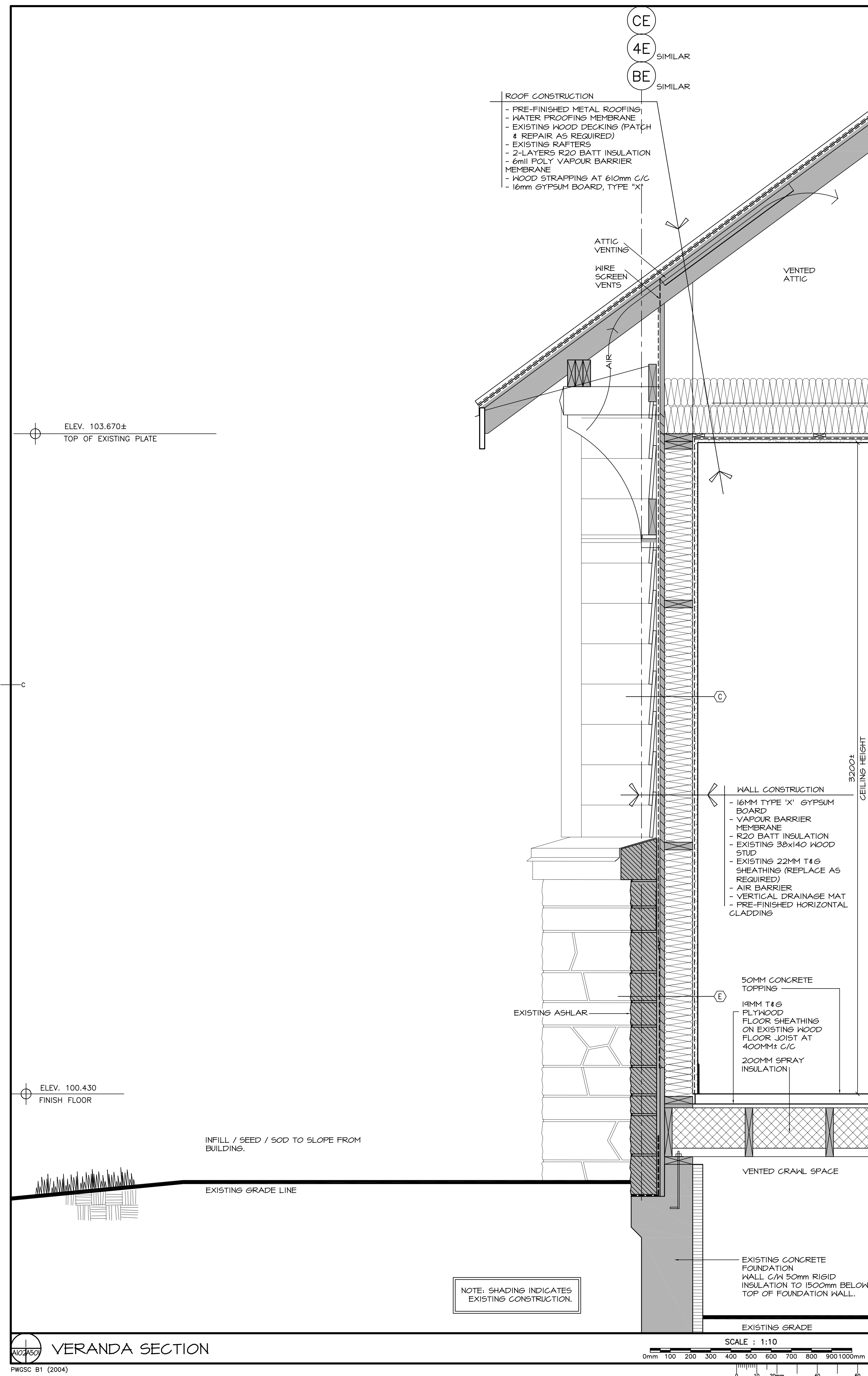
project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

drawing  
**WALL SECTIONS**

designed RJM	compd
date JULY 2014	
drawn HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	
Tender	Soumission

PWSC Project Manager / Administrateur de projets TPSGC  
project number / no. du projet  
**R.022851.001**

drawing no. / no. du dessin  
**A-501**



1 VERANDA SECTION

2 WALL SECTION

3 WALL SECTION



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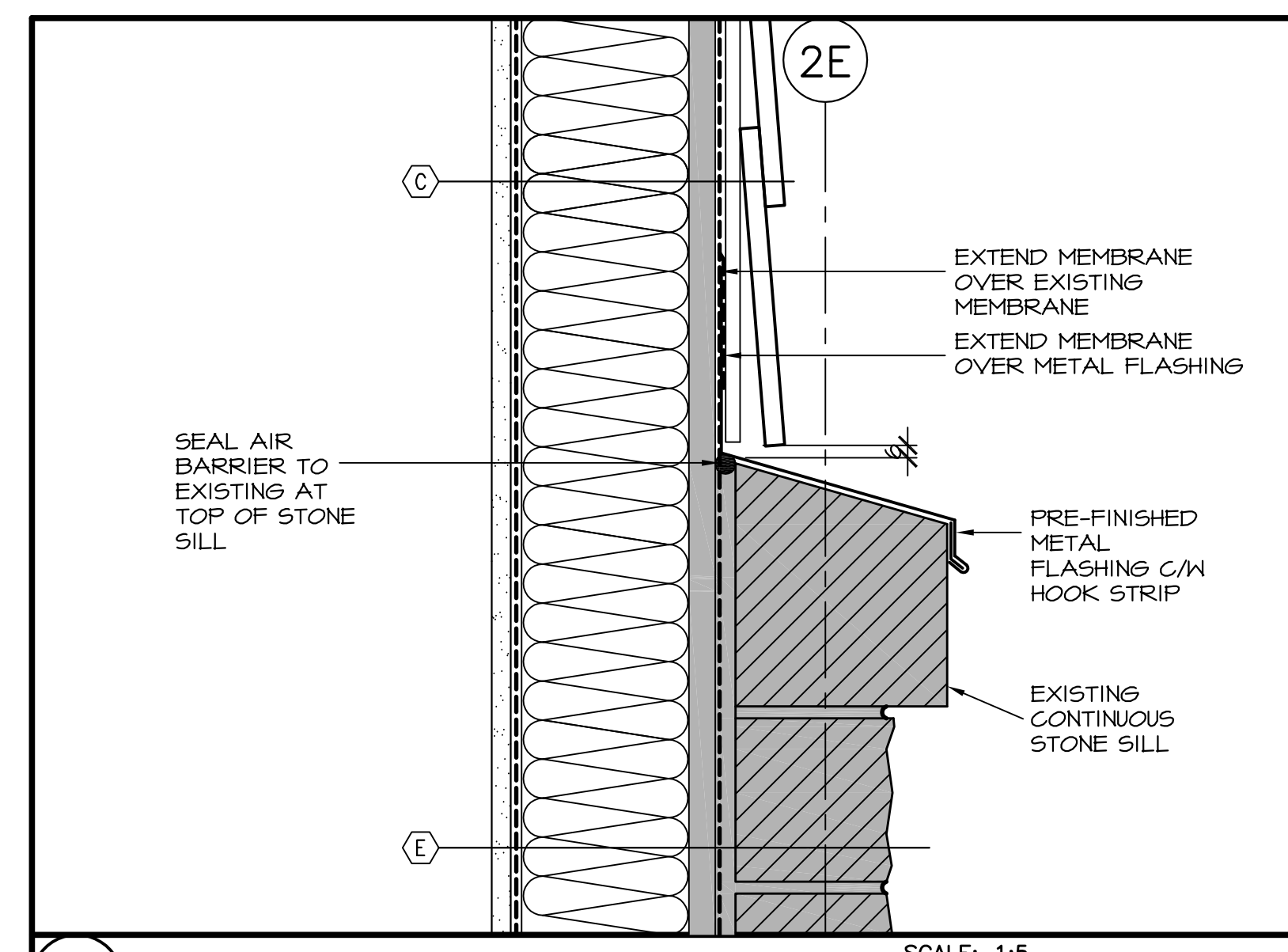


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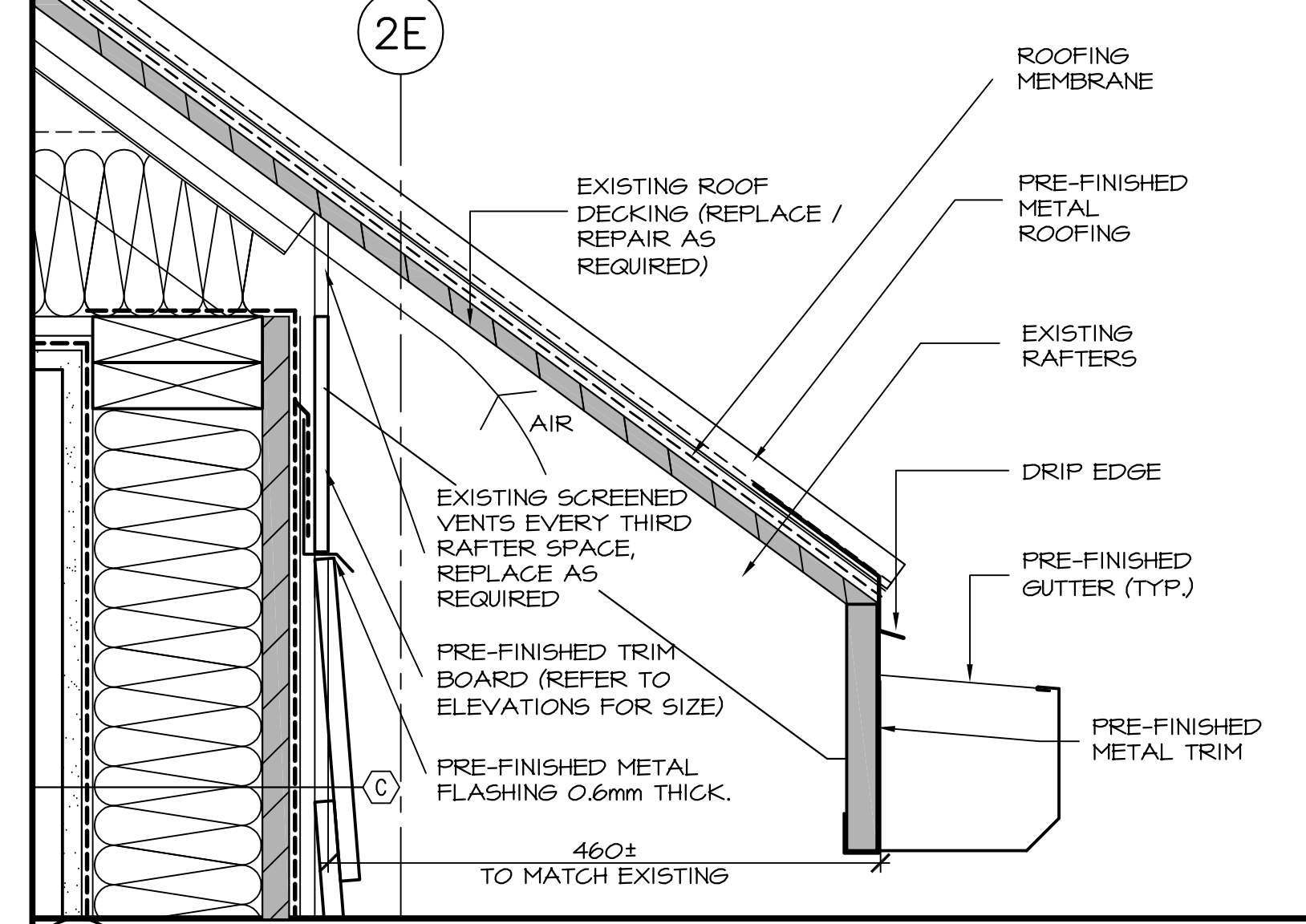
project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**  
 project

drawing  
**DETAILS**  
 dessin

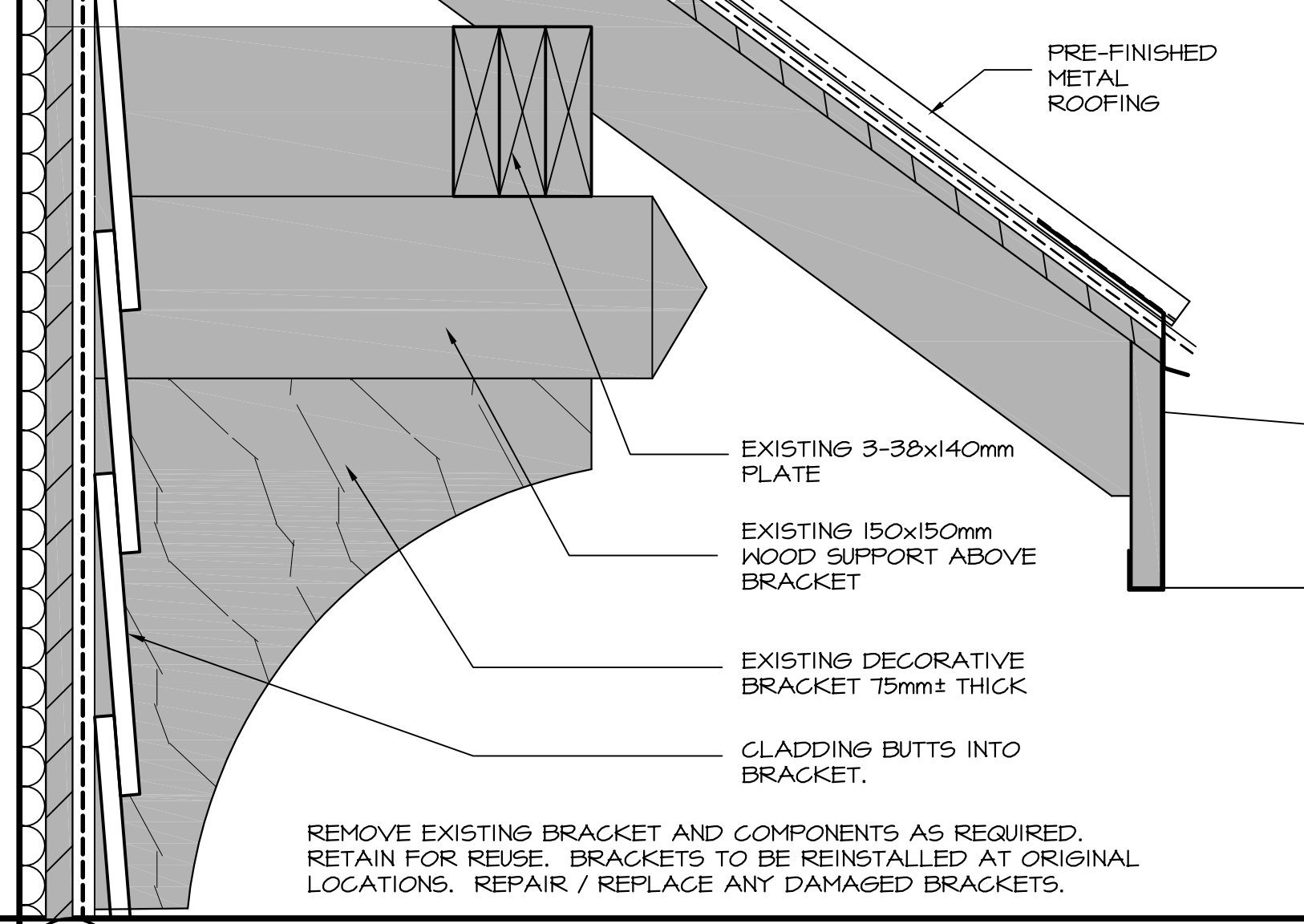
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date	JULY 2014	
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date	JULY 2014	
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPGC	
project number		no. du projet
	<b>R.022851.001</b>	
drawing no.		no. du dessin
	<b>A-502</b>	



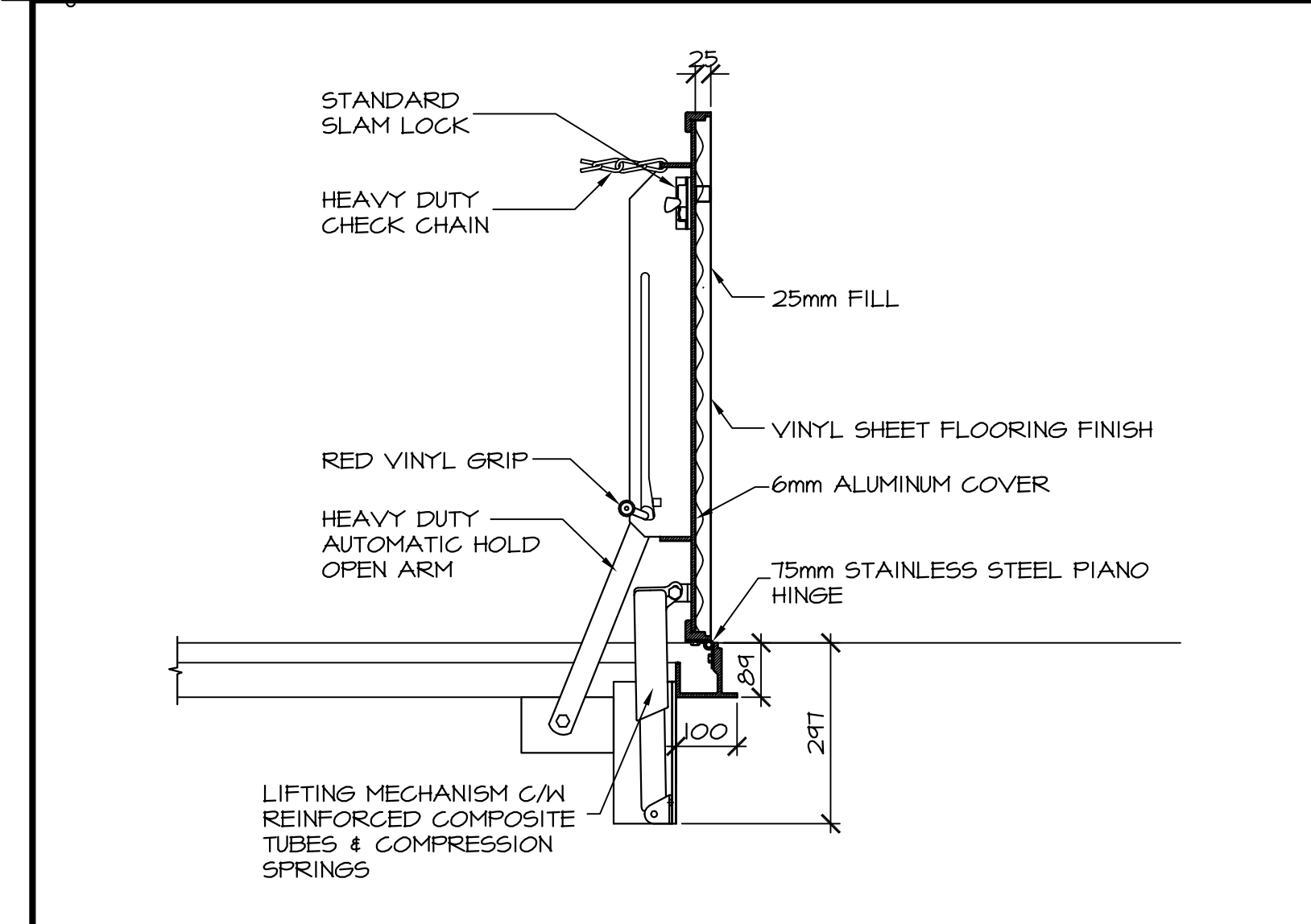
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SECTION DETAIL SCALE: 1:5  
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SECTION DETAIL SCALE: 1:5  
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SECTION SCALE: 1:10  
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Project no. 140164093

Consultants / Ingénieurs conseils

Structural  
 Valron Engineers Inc.  
 Tel.: (506) 856-9601 Fax: (506) 856-6820

Mechanical  
 Crandall Engineering Ltd.  
 Tel.: (506) 857-2777 Fax: (506) 857-2753

Electrical  
 AEC Engineering Inc.  
 Tel.: (506) 856-6982 Fax: (506) 383-7385

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revisions		date

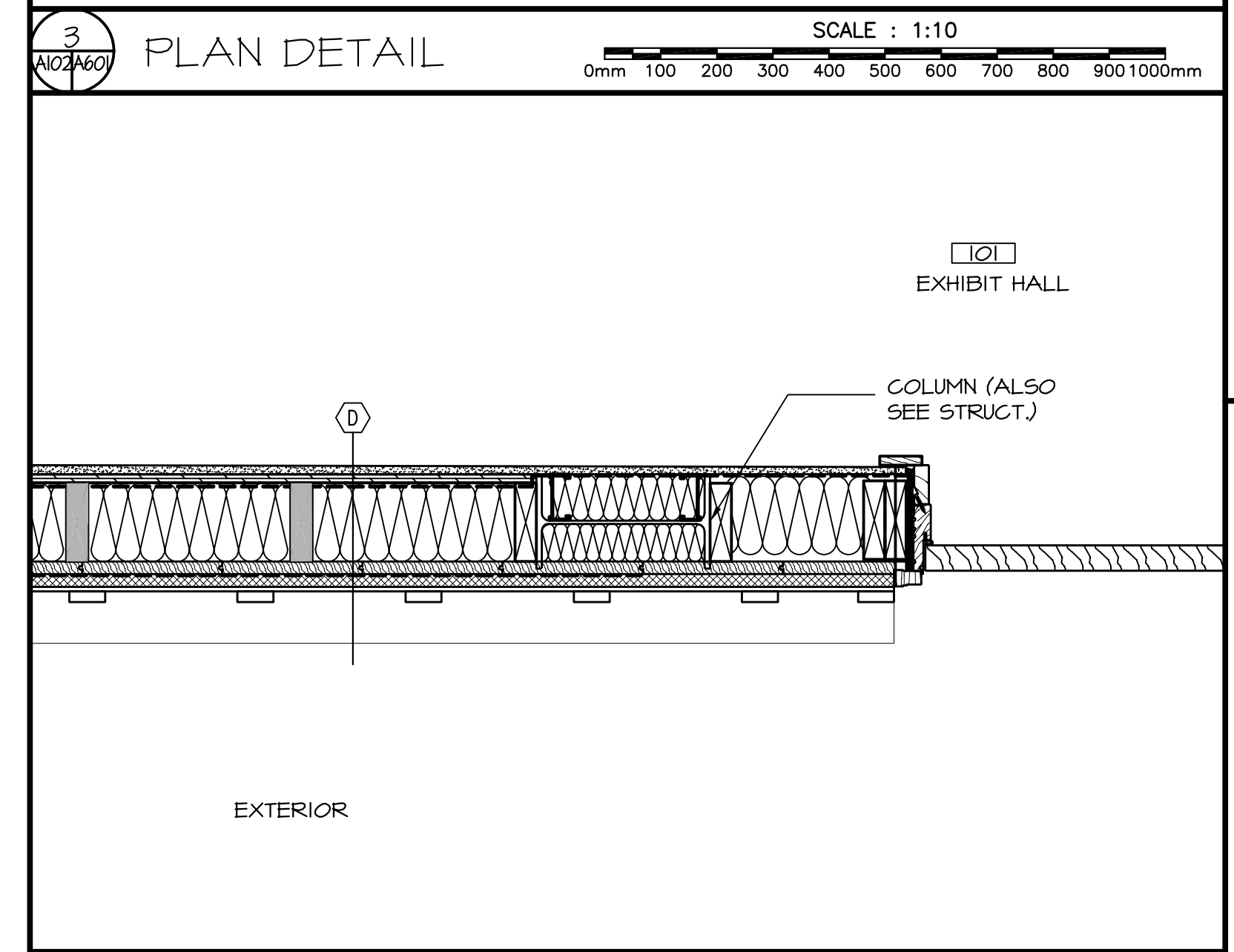
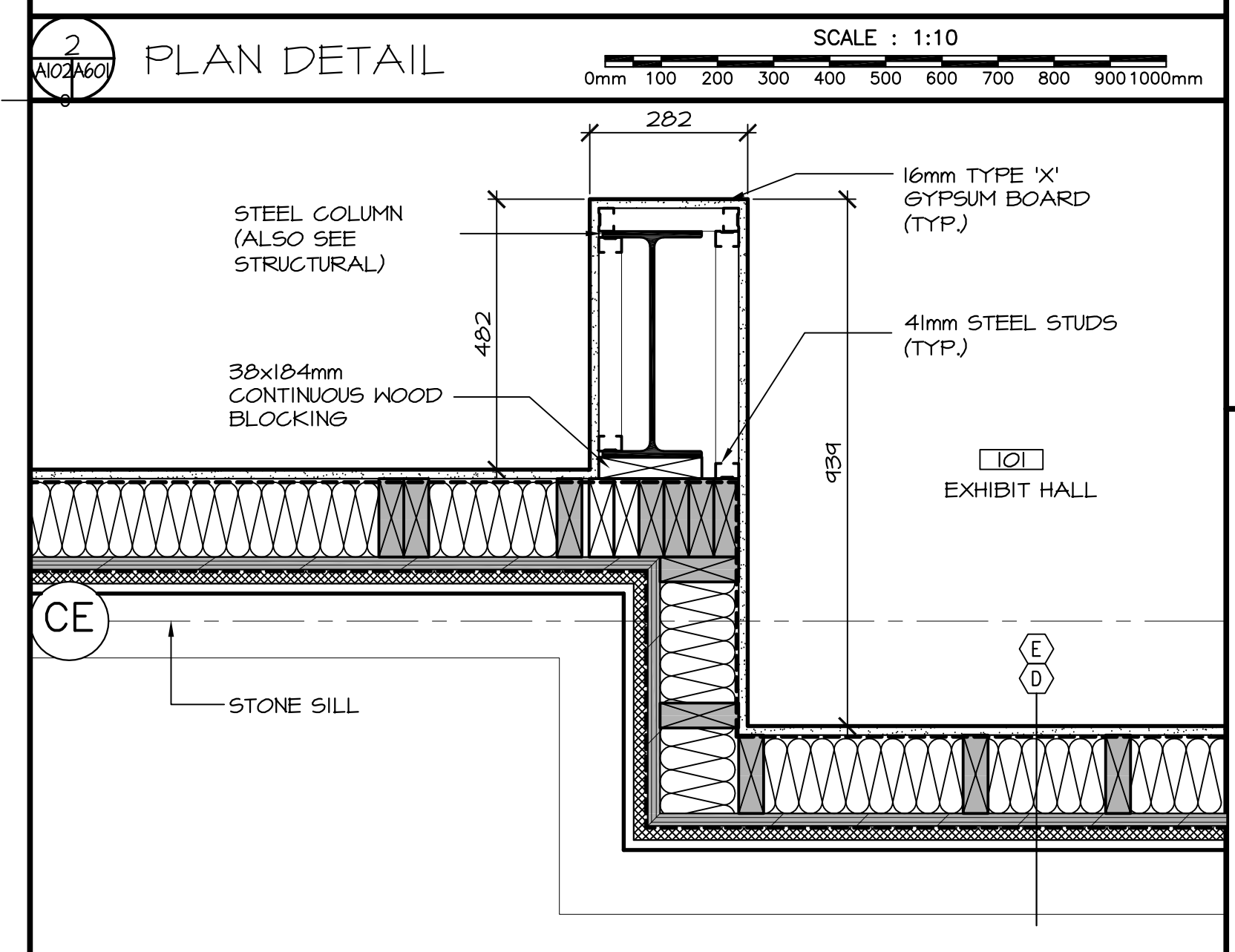
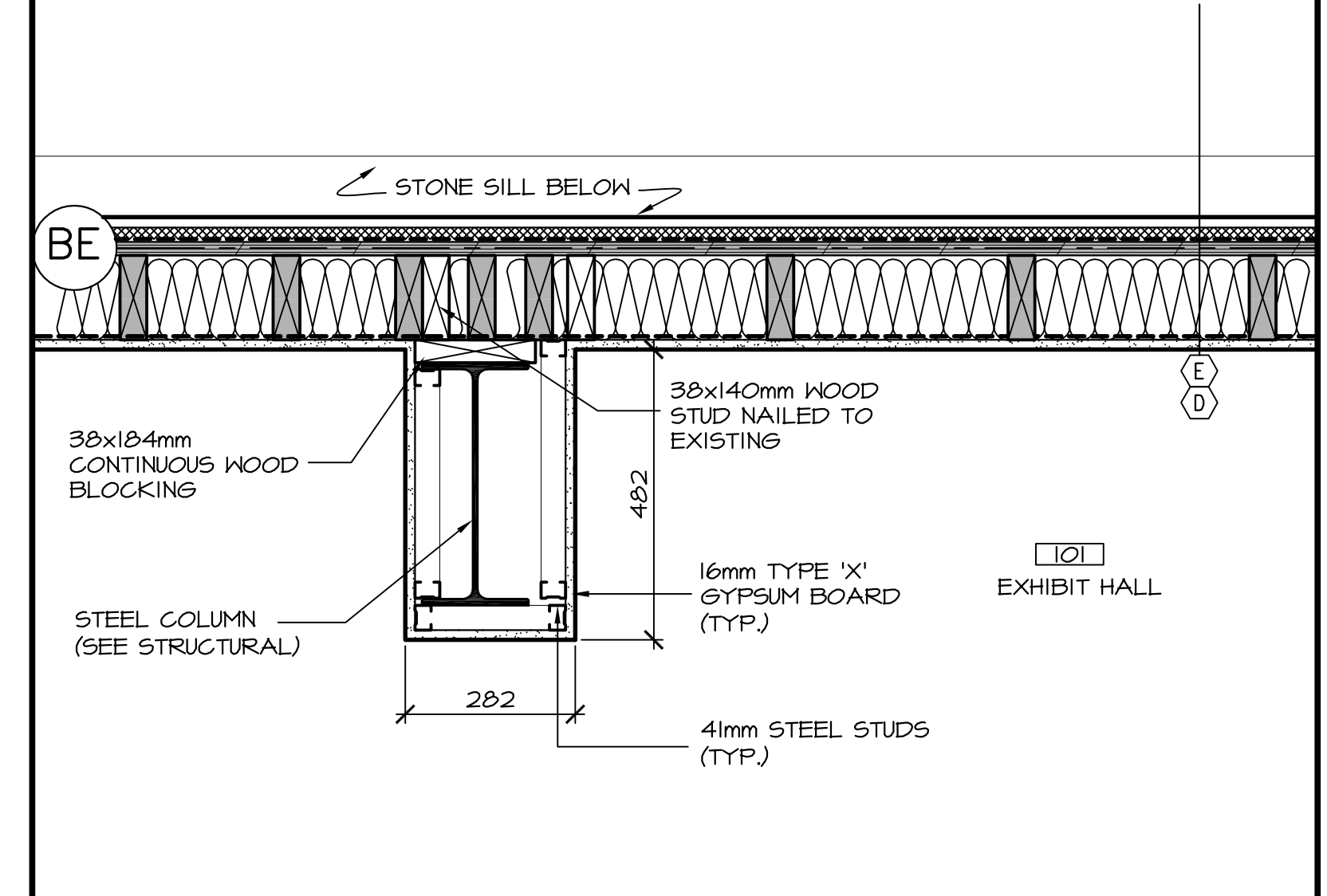
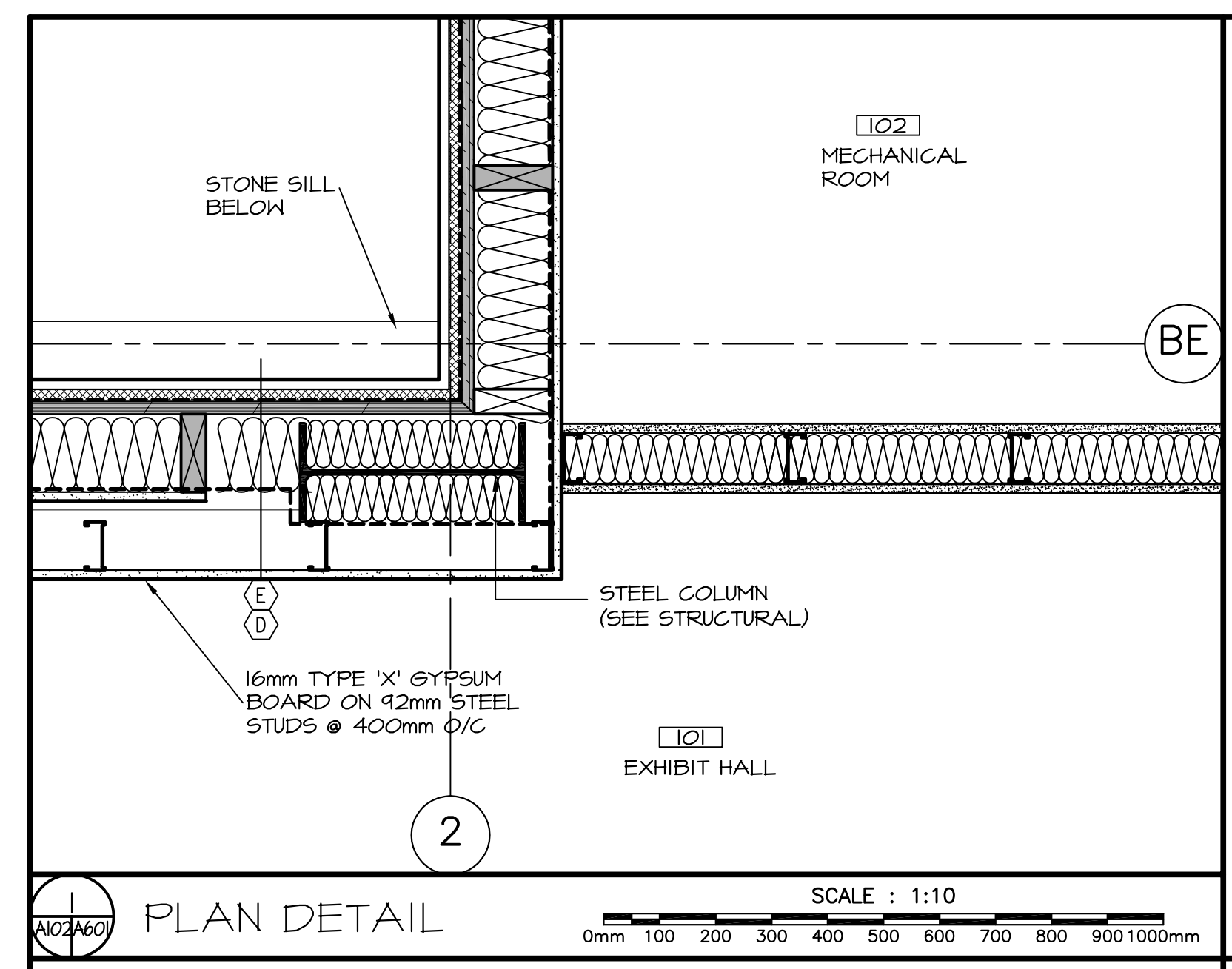
project MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK project

drawing PLAN DETAILS & MISCELLANEOUS DETAILS dessin

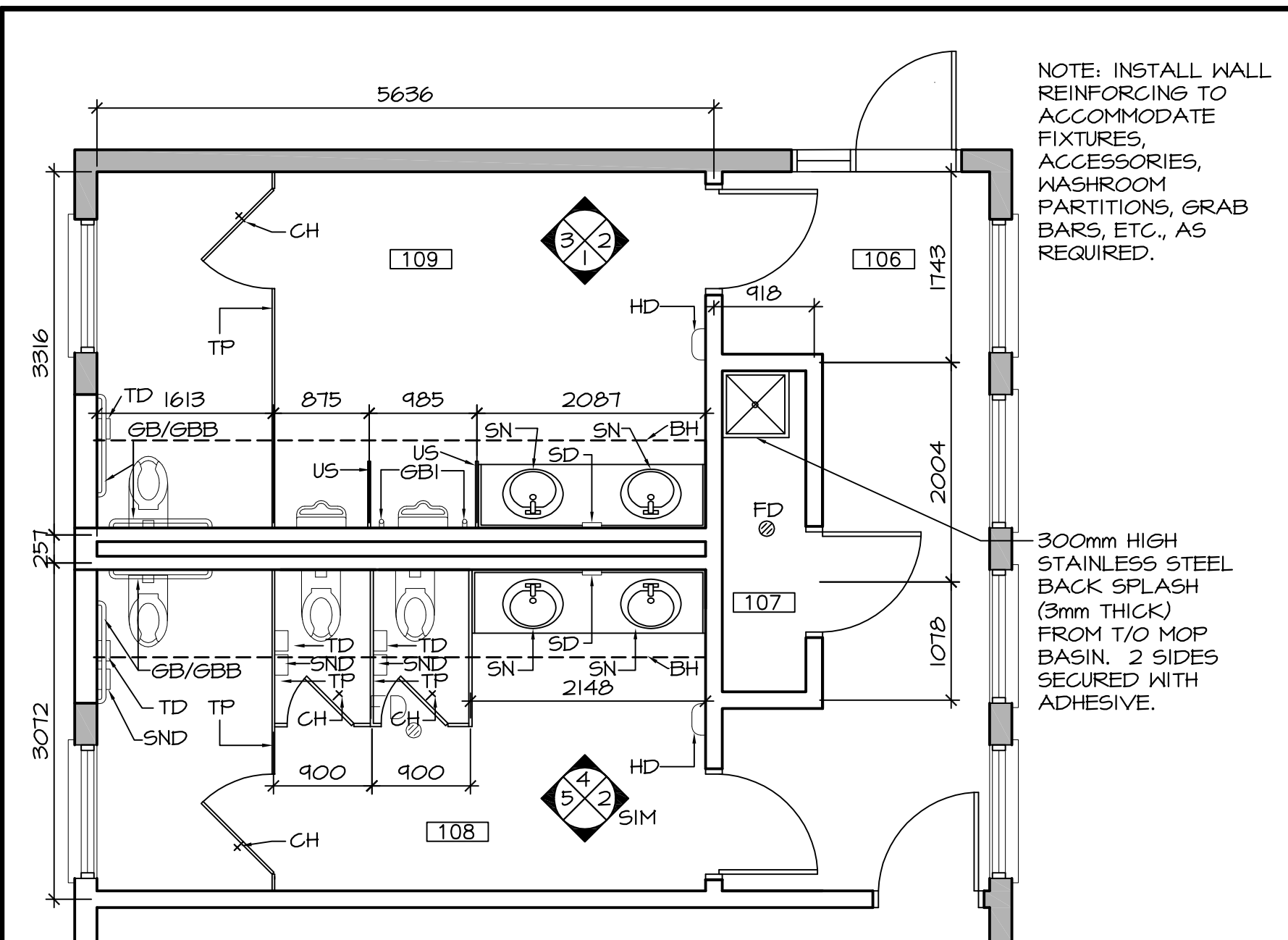
designed RJM	compu
date JULY 2014	
drawn HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	IM

Tender / Soumission  
 PWSC Project Manager / Administrateur de projets TPSGC  
 project number / no. du projet  
**R.022851.001**

drawing no. / no. du dessin  
**A-601**



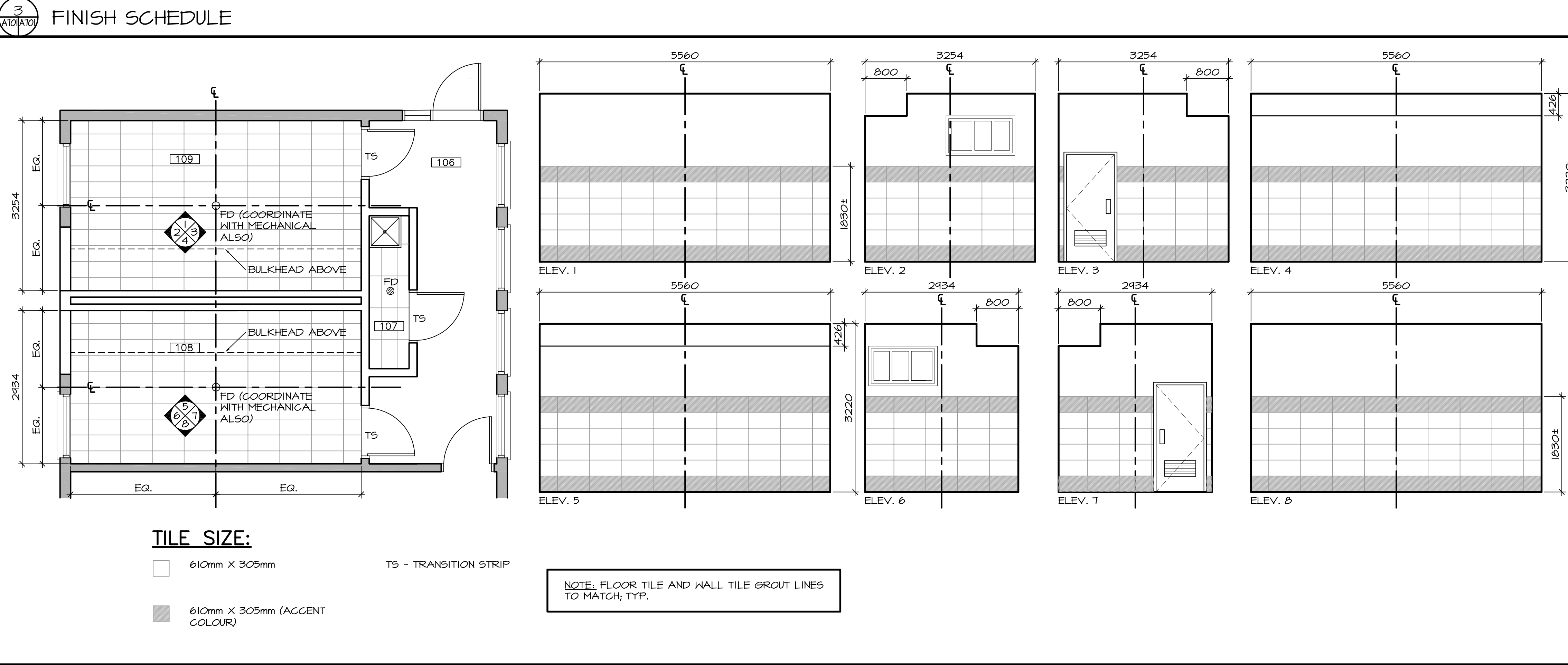
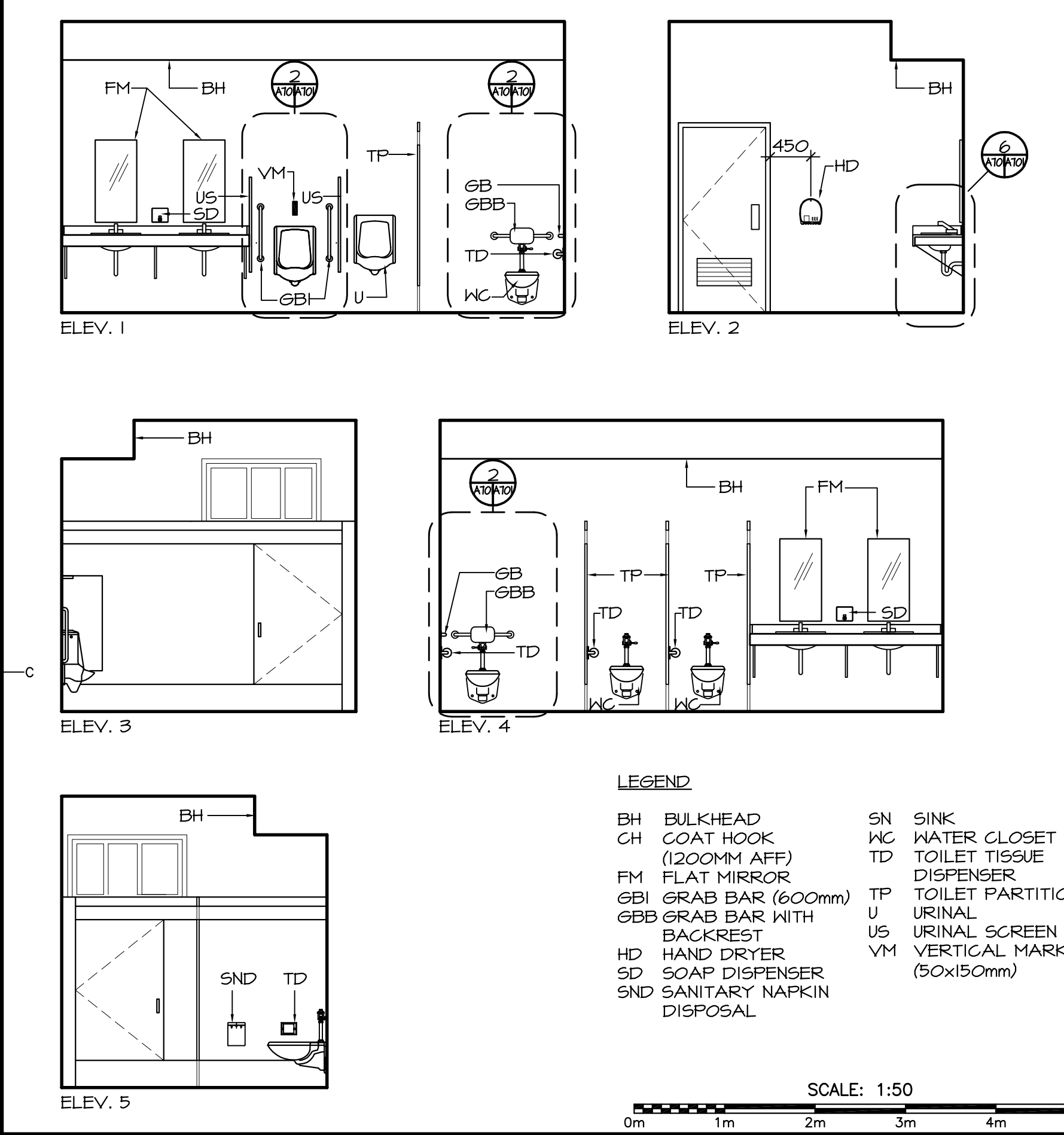




REV.	ROOM NO.	ROOM NAME	FLOOR		WALLS						CEILING		REMARKS		
			EX	BASE	NORTH	EAST	SOUTH	WEST	FIRE RATING	MATERIAL	FINISH	FIRE RATING			
	100	MECHANICAL ROOM / BASEMENT	EX	EX	EX	-	EX	-	EX	-	EX	-	ES	-	-
	101	EXHIBIT HALL	VS	RB	GB	P	GB	P	GB	P	GB	P	GB / SGB	P	-
	102	MECHANICAL ROOM	VS	RB	GB	P	GB	P	GB	P	GB	P	GB	P	-
	103	CLOSET	VS	RB	GB	P	GB	P	GB	P	GB	P	GB	P	-
	104	CORRIDOR	VS	RB	GB	P	GB	P	GB	P	GB	P	GB	P	-
	105	OFFICE	VS	RB	GB	P	GB	P	GB	P	GB	P	GB	P	-
	106	CORRIDOR	VS	RB	GB	P	GB	P	GB	P	GB	P	GB	P	-
	107	JANITOR	PT	PT	GB	P	GB	P	GB	P	GB	P	60 MIN.	P	60 MIN.
	108	WOMEN'S WASHROOM	PT	PT	GB	P/PT	GB	P/PT	GB	P/PT	GB	P/PT	GB	P	ROOM TO HAVE 60 MIN FIRE RATING
	109	MEN'S WASHROOM	PT	PT	GB	P/PT	GB	P/PT	GB	P/PT	GB	P/PT	GB	P	-
	110	STAIRS	EX	-	GB	P	GB	P	GB	P	GB	P	GB	P	-

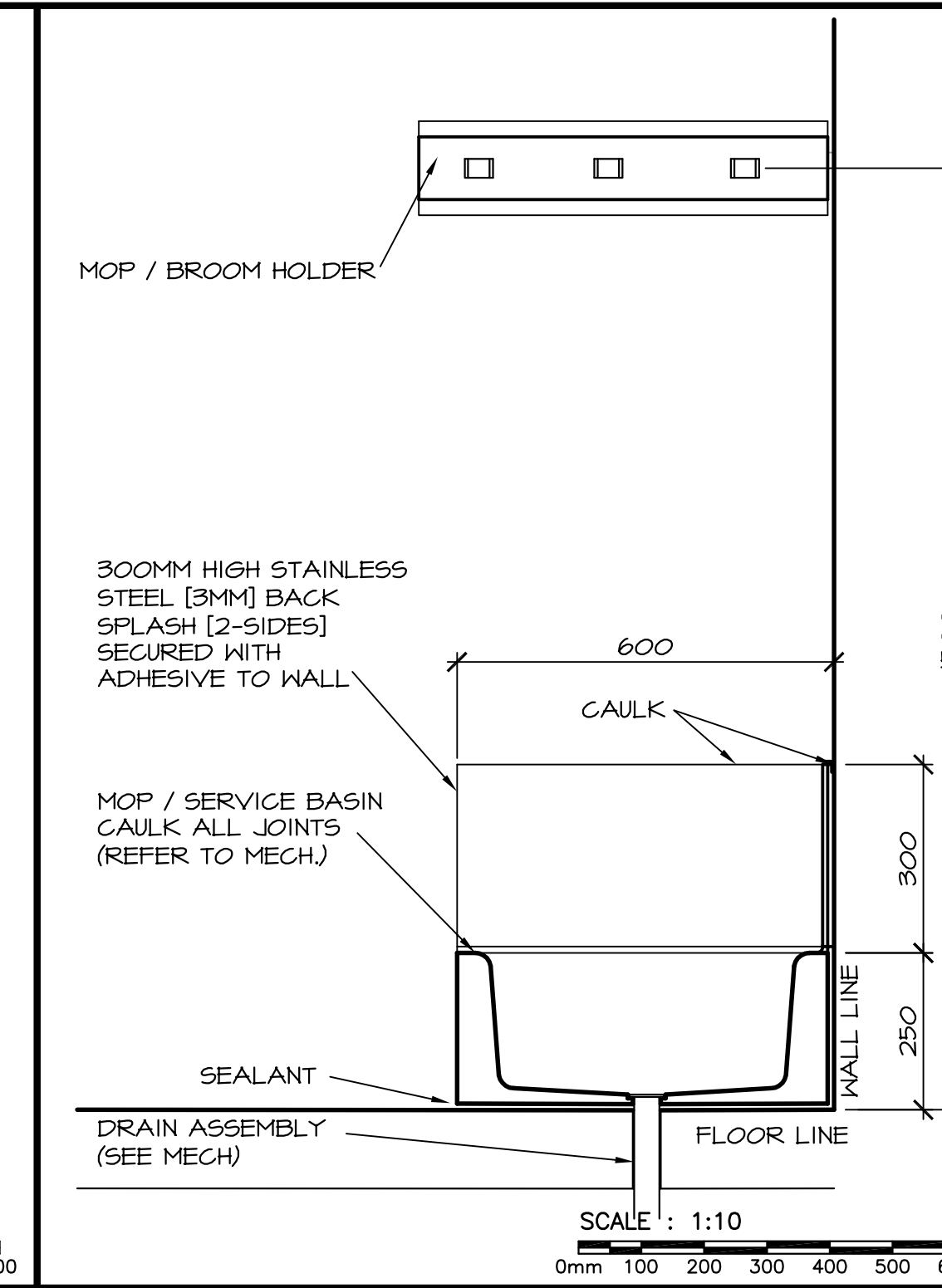
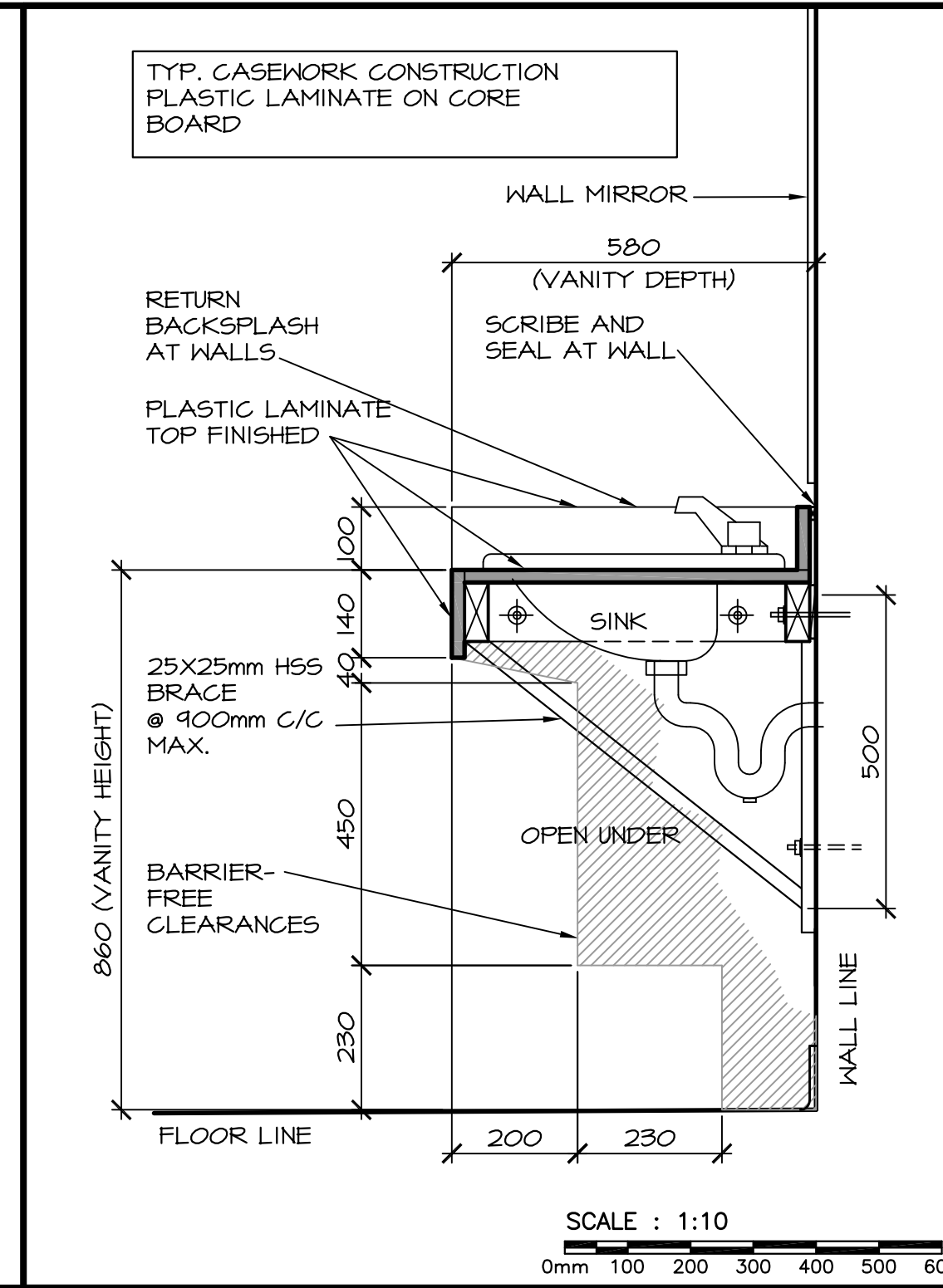
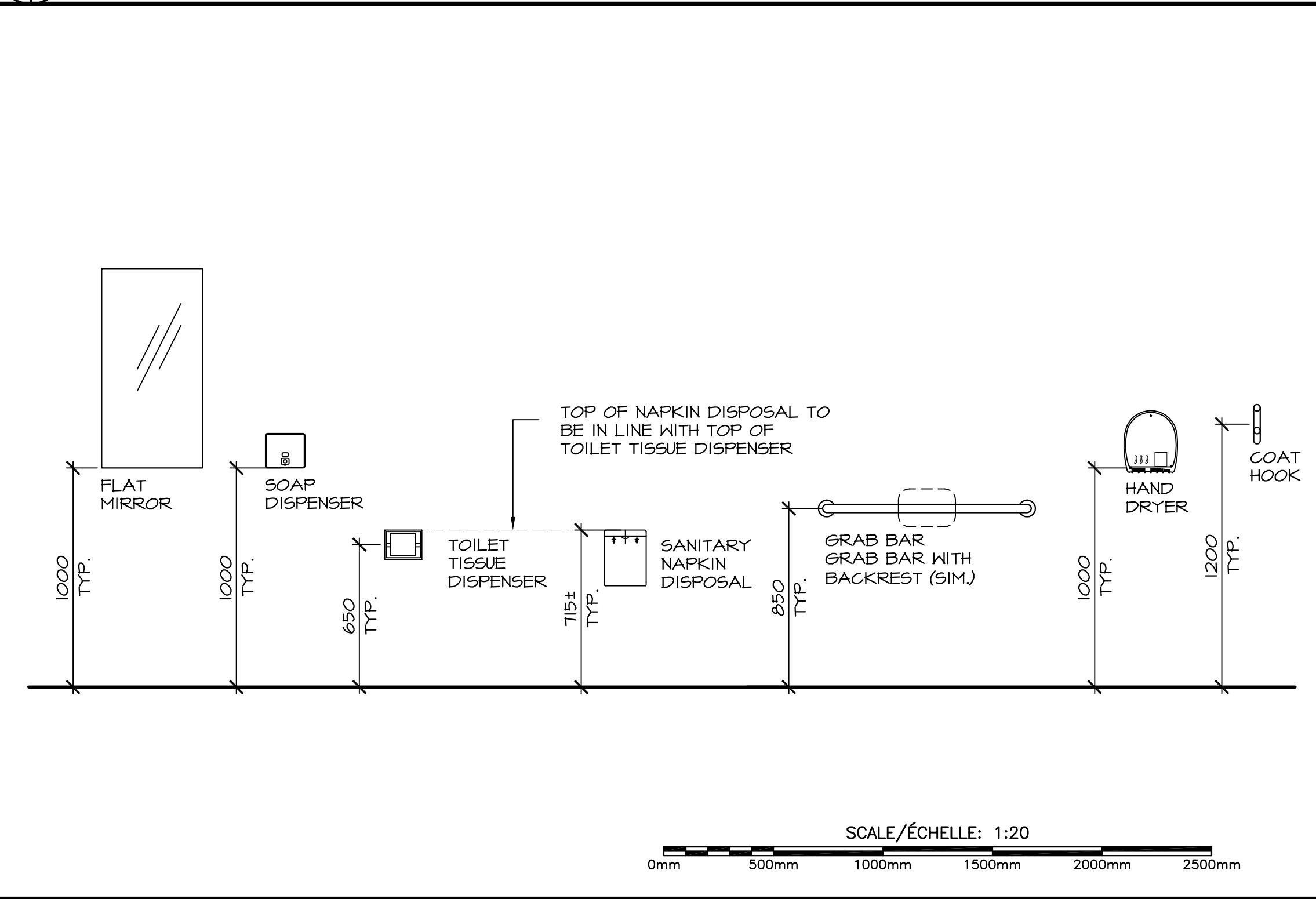
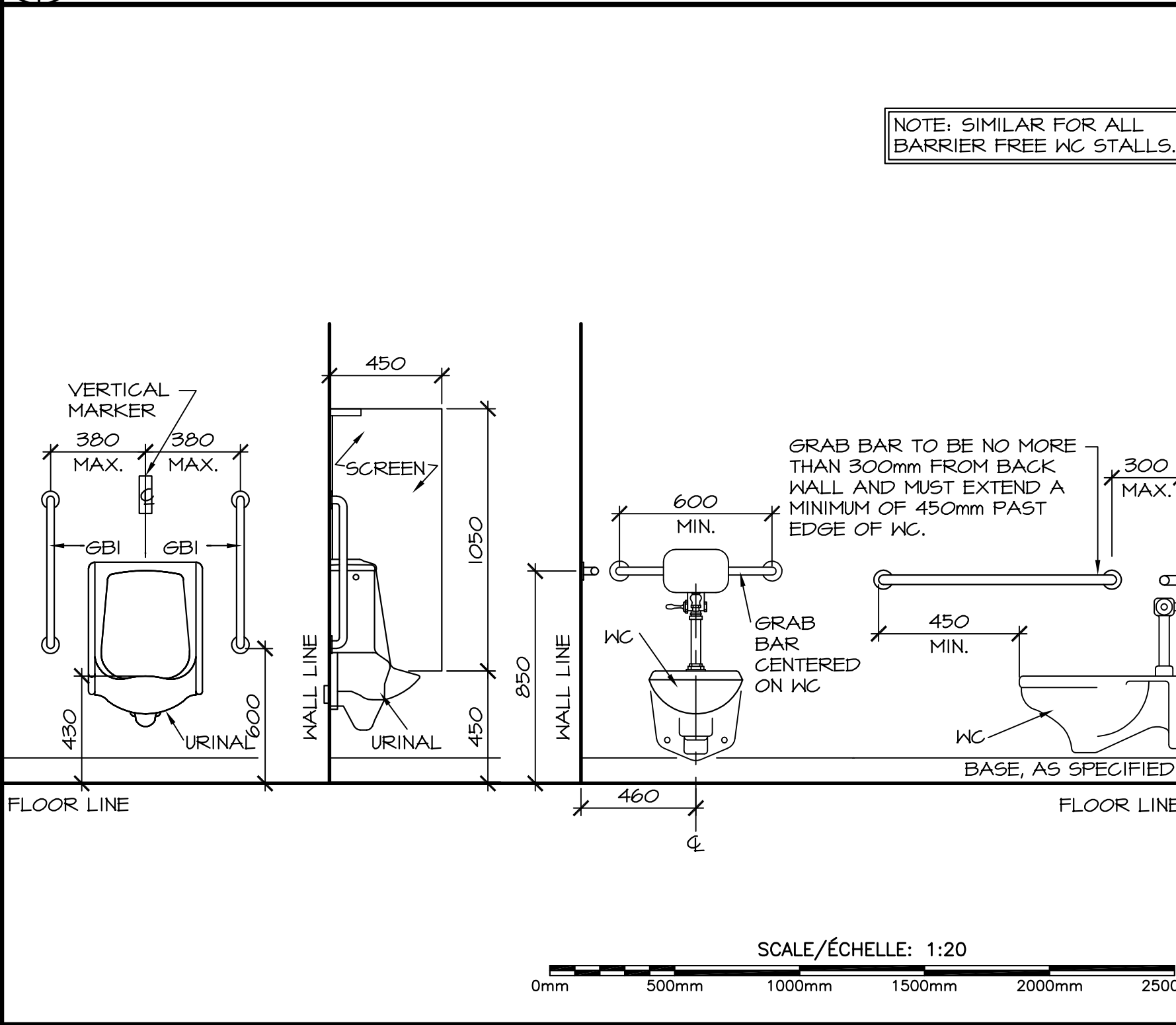
FLOOR	BASE	WALLS	CEILING
EX - EXISTING VS - SHEET VINYL PT - PORCELAIN TILE	RB - RUBBER BASE PT - PORCELAIN TILE	EX - EXISTING GB - GYPSUM BOARD, PAINTED PT - PORCELAIN TILE P - PAINT	ES - EXPOSED STRUCTURE GB - GYPSUM BOARD, PAINTED SGB - SUSPENDED GYPSUM BOARD, PAINTED

NOTE: REFER TO REFLECTED CEILING PLANS (SHEET A-201) FOR CEILING / BULKHEAD HEIGHTS.



1 PLAN ENLARGEMENT & ELEVATIONS

4 FLOOR / WALL TILE PATTERNS



2 BARRIER FREE ELEVATIONS

5 BARRIER FREE ELEVATIONS

6 VANITY SECTION

7 JANITOR ROOM ELEVATION

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada

Architects: Stantec

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Project no. 140164093

Consultants: Ingenieurs conseils

Structural: Valron Engineers Inc. Tel: (506) 856-9601 Fax: (506) 856-6820

Mechanical: Crandall Engineering Ltd. Tel: (506) 857-2777 Fax: (506) 857-2753

Electrical: AEC Engineering Inc. Tel: (506) 856-6982 Fax: (506) 383-7385

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22091  
 CERTIFICATE OF PRACTICE  
 Robert J. McDonald  
 STANTEC ARCHITECTURE LTD.  
 AUGUST 15, 2014  
 PROFESSIONAL ASSOCIATION OF ARCHITECTS

00	ISSUED FOR TENDER	08/15/2014
revisions		date
project	MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK	
drawing	PLAN ENLARGEMENTS, INTERIOR ELEVATIONS, DETAILS AND FINISH SCHEDULE	
designed	RJM	congr
date	JULY 2014	
drown	HGA	dessiné
date	JULY 2014	
approved	IM	approuvé
date	JULY 2014	
Tender	Soumission	
PWSC Project Manager	Administrateur de projets TPSCG	
project number	no. du projet	
	R.022851.001	
drawing no.	no. du dessin	
	A-701	

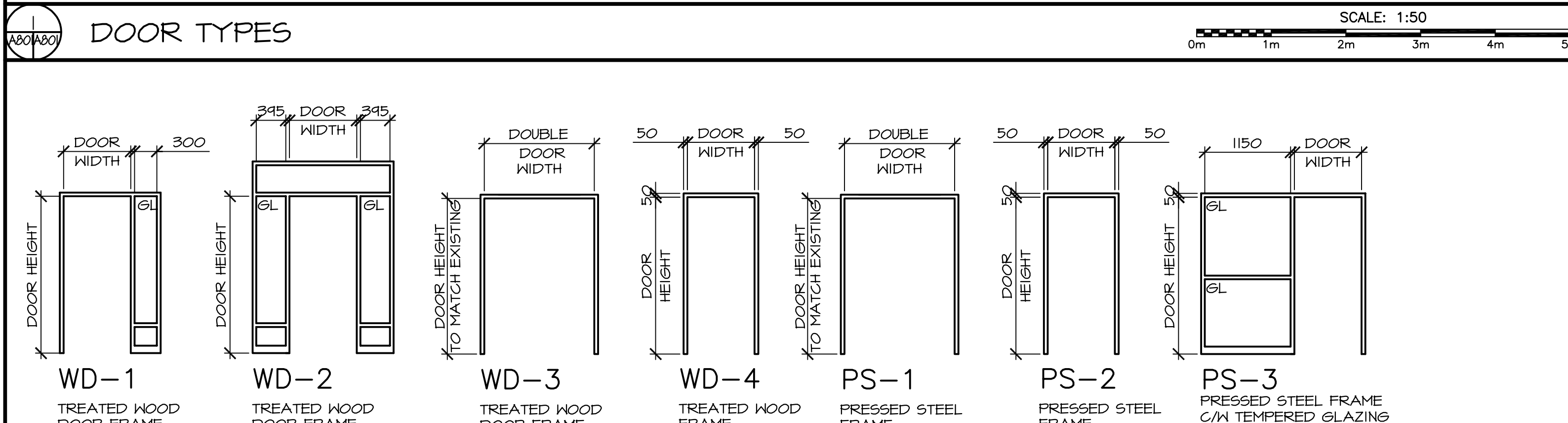
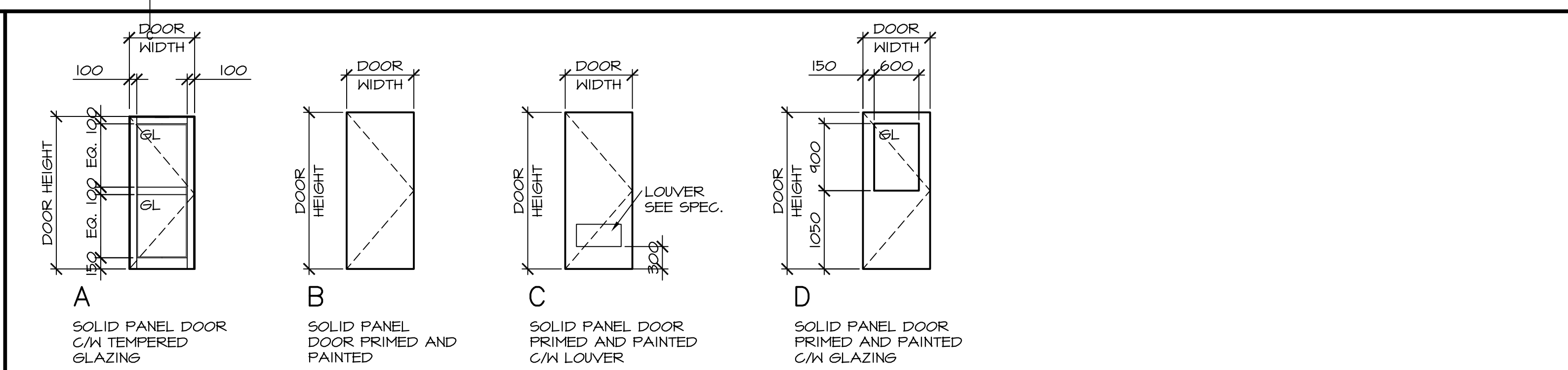


**DOOR SCHEDULE**

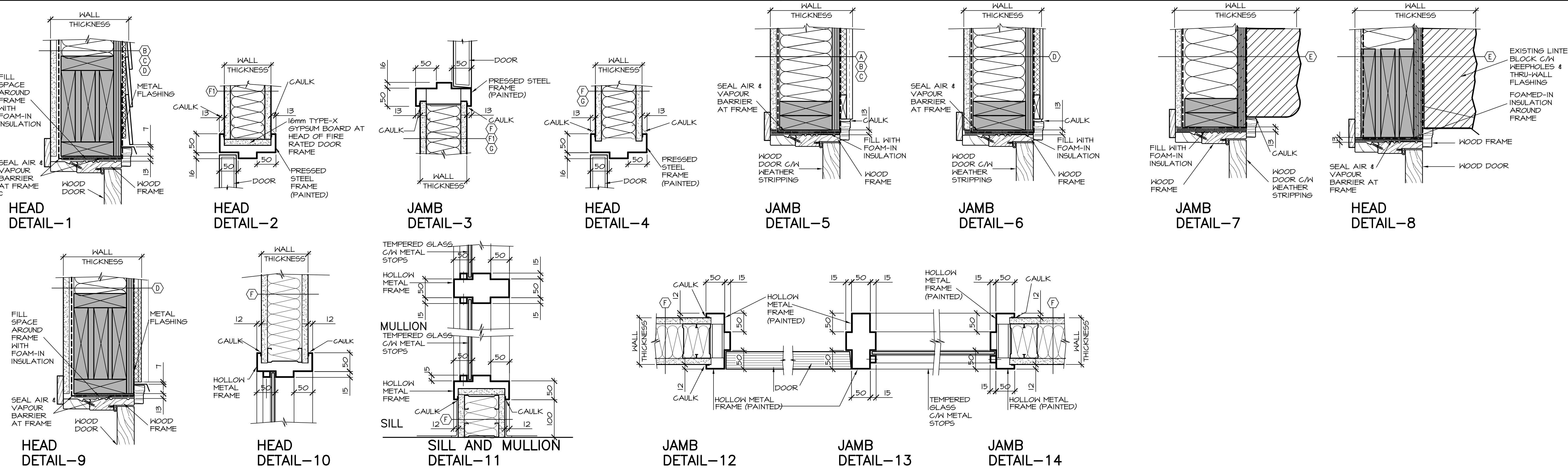
DOOR NUMBER	LOCATION		DOOR										FRAME DETAILS				LEGEND		
	FROM ROOM NUMBER	TO ROOM NUMBER	DIRECTION (SWING)	SIZE			TYPE	MATERIAL	ULC RATING IN MINUTES	GLASS	HARDWARE SETS	STC RATING	FRAME DETAIL NO.	WALL TYPE	STYLE	MATERIAL		ULC RATING IN MINUTES	GLASS
D101A	EXT	101	RHR	2100	900	45											A		
D101B	EXT	101	RH	2100	2-900	45	A	SCW	--	ITG	--	--	6,7,8	D, E	WD-3	TX	--	ITG	THRESHOLD & WEATHERSTRIPPING
D101C	EXT	101	LHR	2100	900	45	A	SCW	--	ITG	--	--	1, 5	A, B	WD-4	TX	--	ITG	THRESHOLD & WEATHERSTRIPPING
D101D	EXT	101	RHR	2100	900	45	A	SCW	--	ITG	--	--	1, 5	A, B	WD-4	TX	--	ITG	THRESHOLD & WEATHERSTRIPPING
D102	105	102	RHR	2100	900	45	B	SCW	--	ITG	--	--	3, 4	F	PS-2	PS	--	--	--
D103	101	103	LHR/RHR	2100	2-870	45	B	SCW	--	ITG	--	--	3, 4	F	PS-1	PS	--	--	--
D104	104	106	RH	2100	900	45	D	SCW	--	ITG	--	--	3, 4	F	PS-2	PS	--	--	--
D105	104	105	RH	2100	900	45	D	SCW	--	ITG	--	--	10, 11, 12, 13, 14	F	PS-3	PS	--	--	--
D106	EXT	106	RHR	2100	900	45	A	SCW	--	ITG	--	--	5, 7	F, E	WD-1	TX	--	ITG	THRESHOLD & WEATHERSTRIPPING
D107	106	107	RHR	2100	900	45	B	SCW	45	ITG	--	--	2, 3	F	PS-2	PS	45	ITG	FIRE RATED DOOR AND FRAME
D108	106	108	LHR	2100	900	45	C	SCW	--	ITG	--	--	3, 4	F	PS-2	PS	--	--	--
D109	106	109	RHR	2100	900	45	C	SCW	--	ITG	--	--	3, 4	F	PS-2	PS	--	--	--
D110	101	110	LH	2100	900	45	B	SCW	--	ITG	--	--	3, 4	F	PS-2	PS	--	--	--

NOTE: CONTRACTOR TO CONFIRM ALL ROUGH OPENING SIZES PRIOR TO ORDERING DOORS / FRAMES.

NOTE: WOOD DOOR FRAMES TO MATCH EXISTING IN PROFILE AND ELEVATION.



**DOOR FRAME TYPES**



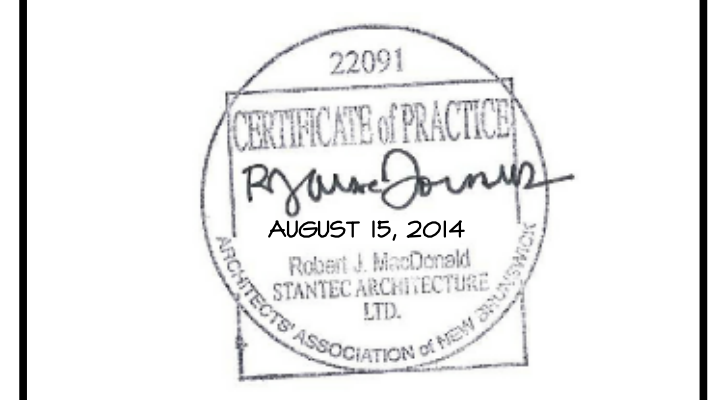
**DOOR FRAME DETAILS**



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The Contractor shall verify and be responsible for all dimensions, DO NOT assume that drawings are correct unless otherwise noted. The Contractor shall be responsible for any errors or omissions that may occur. The Contractor shall be responsible for any errors or omissions that may occur. The Contractor shall be responsible for any errors or omissions that may occur.

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revisions		date

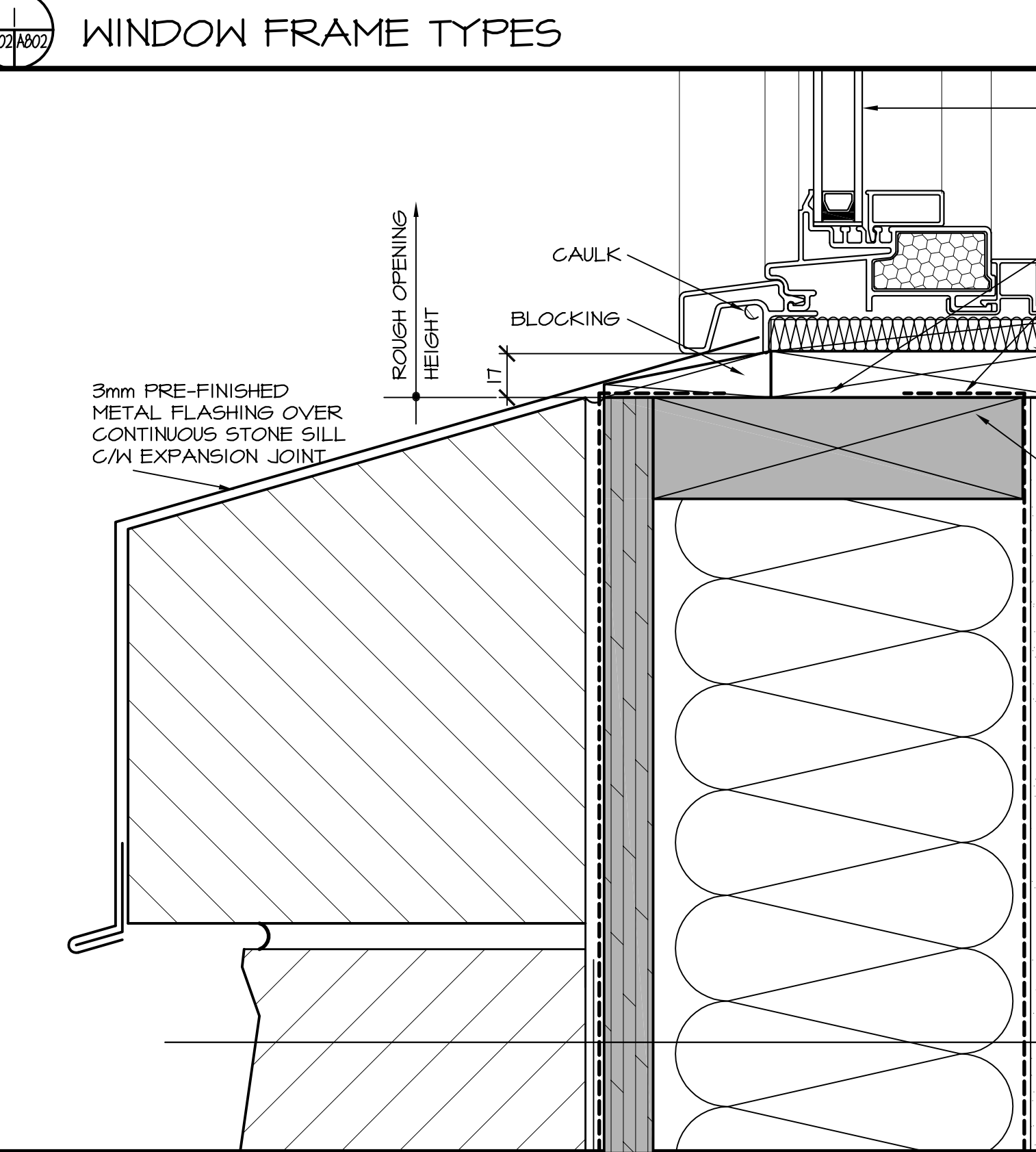
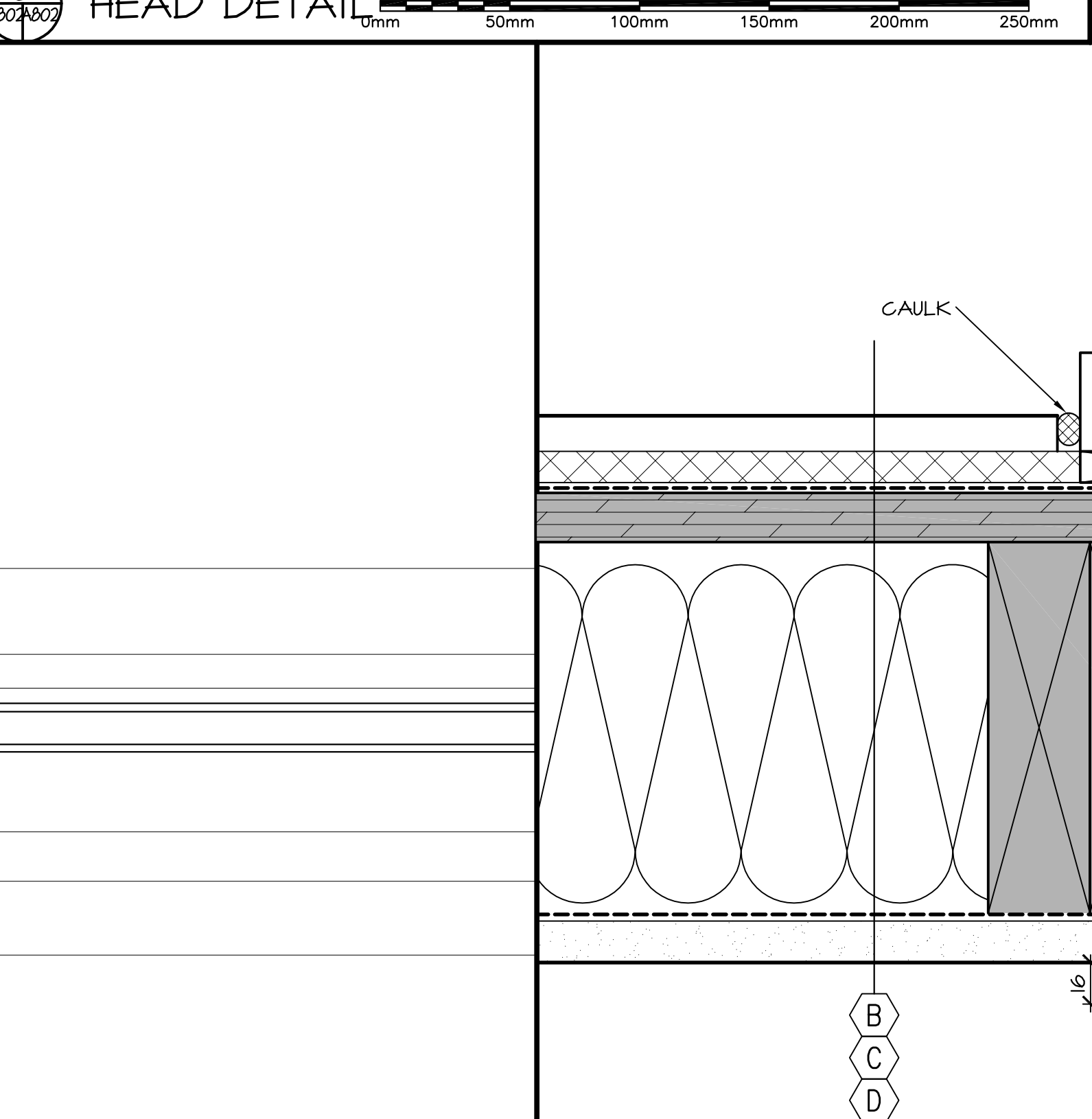
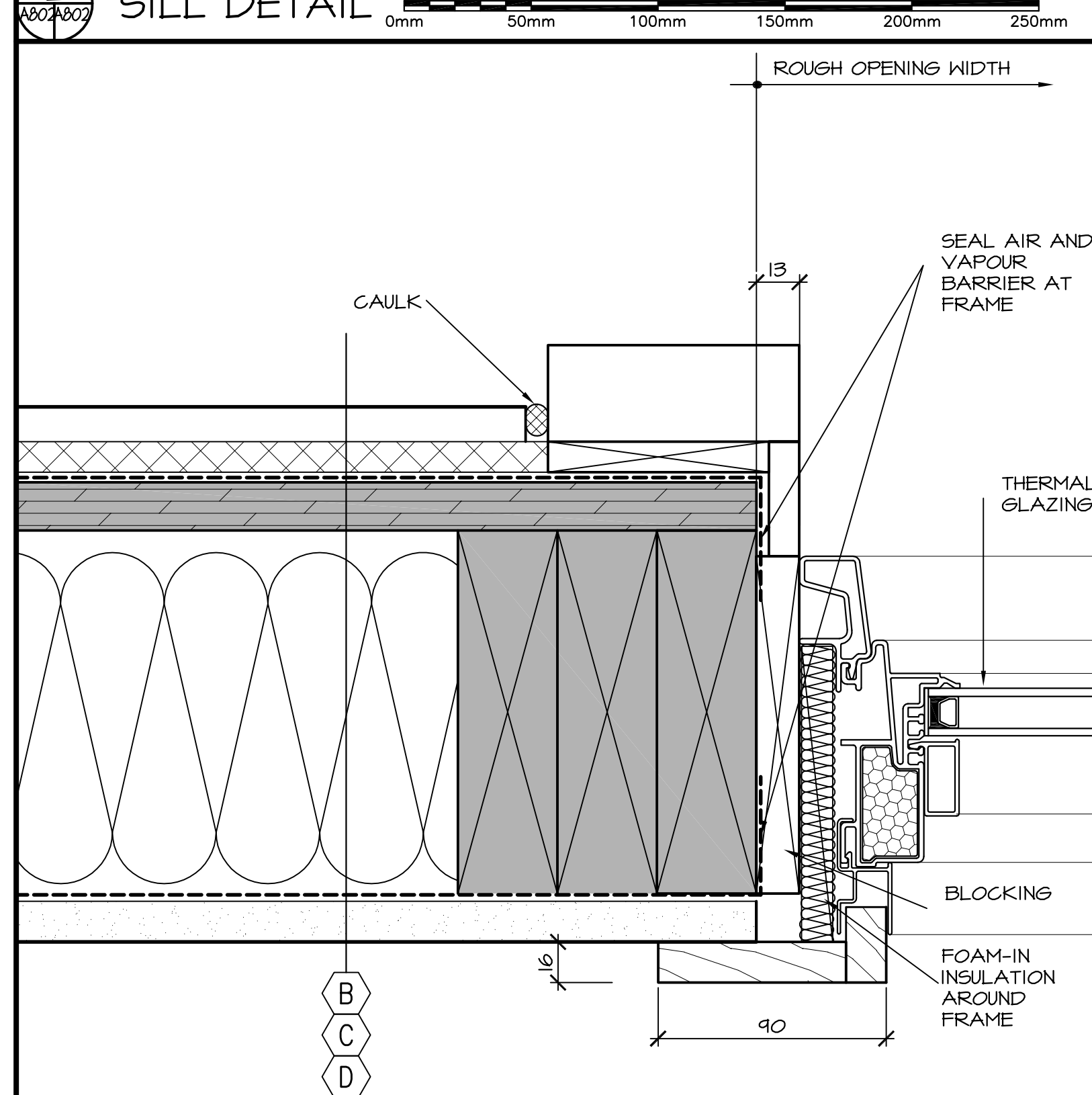
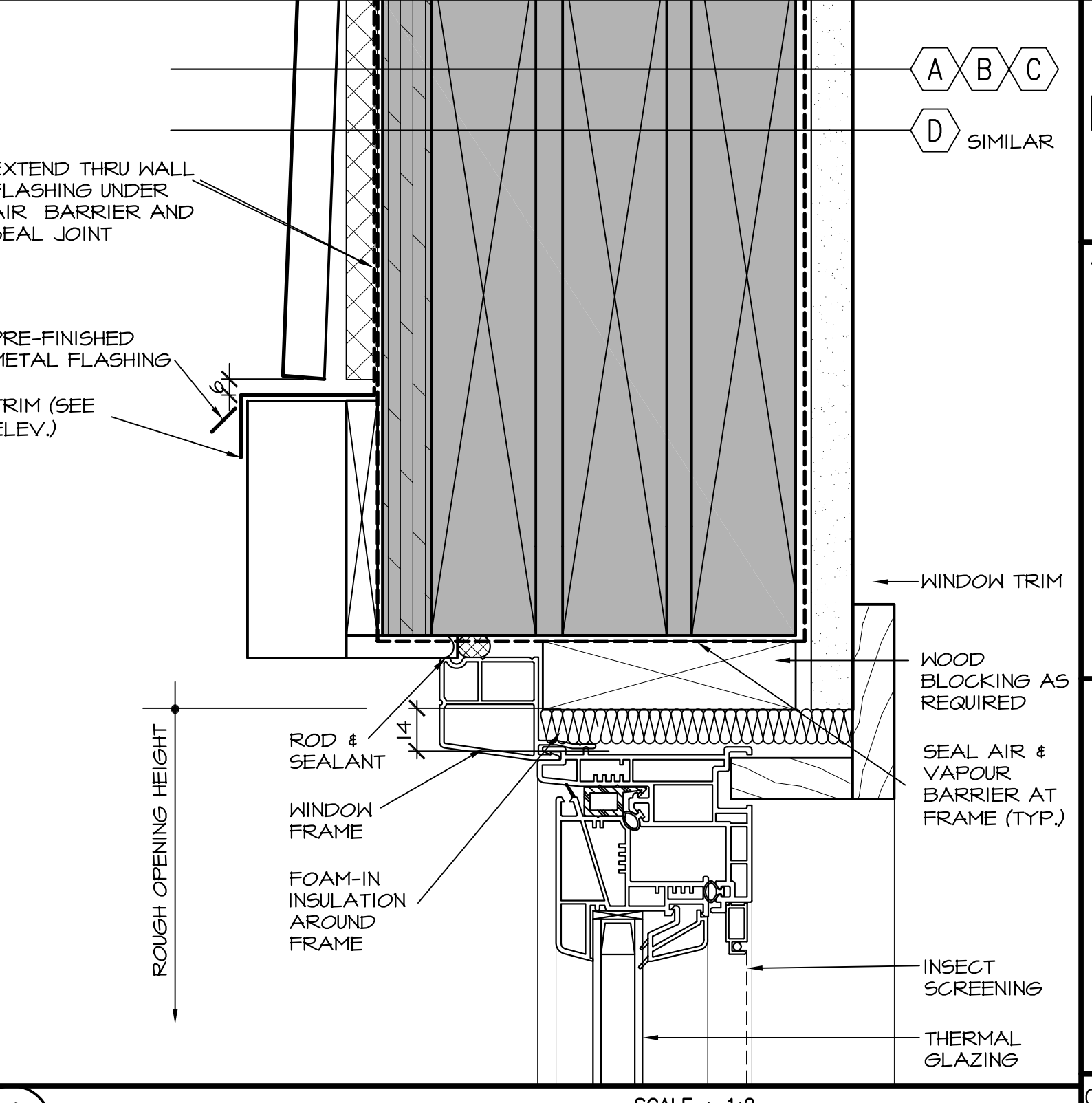
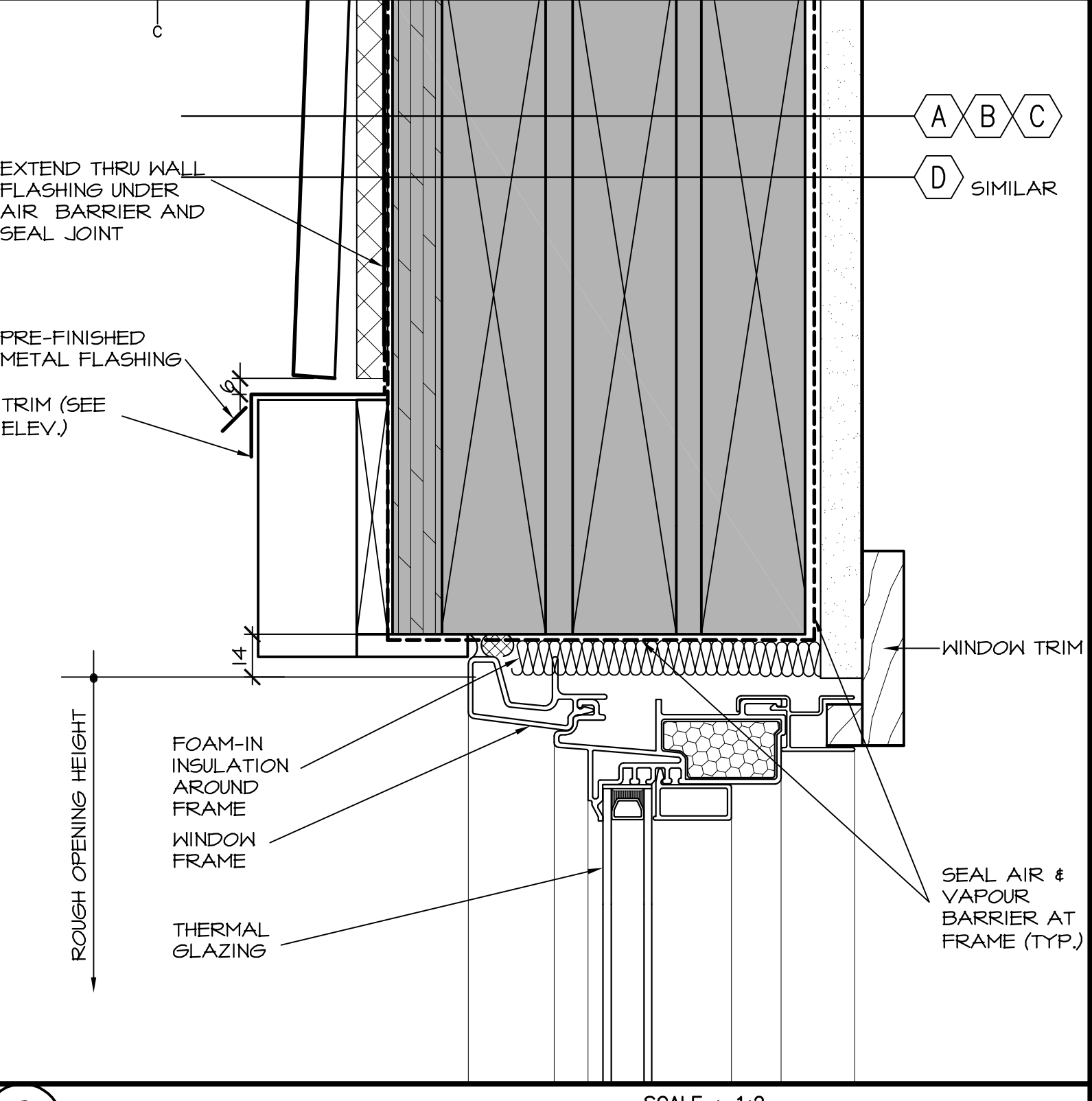
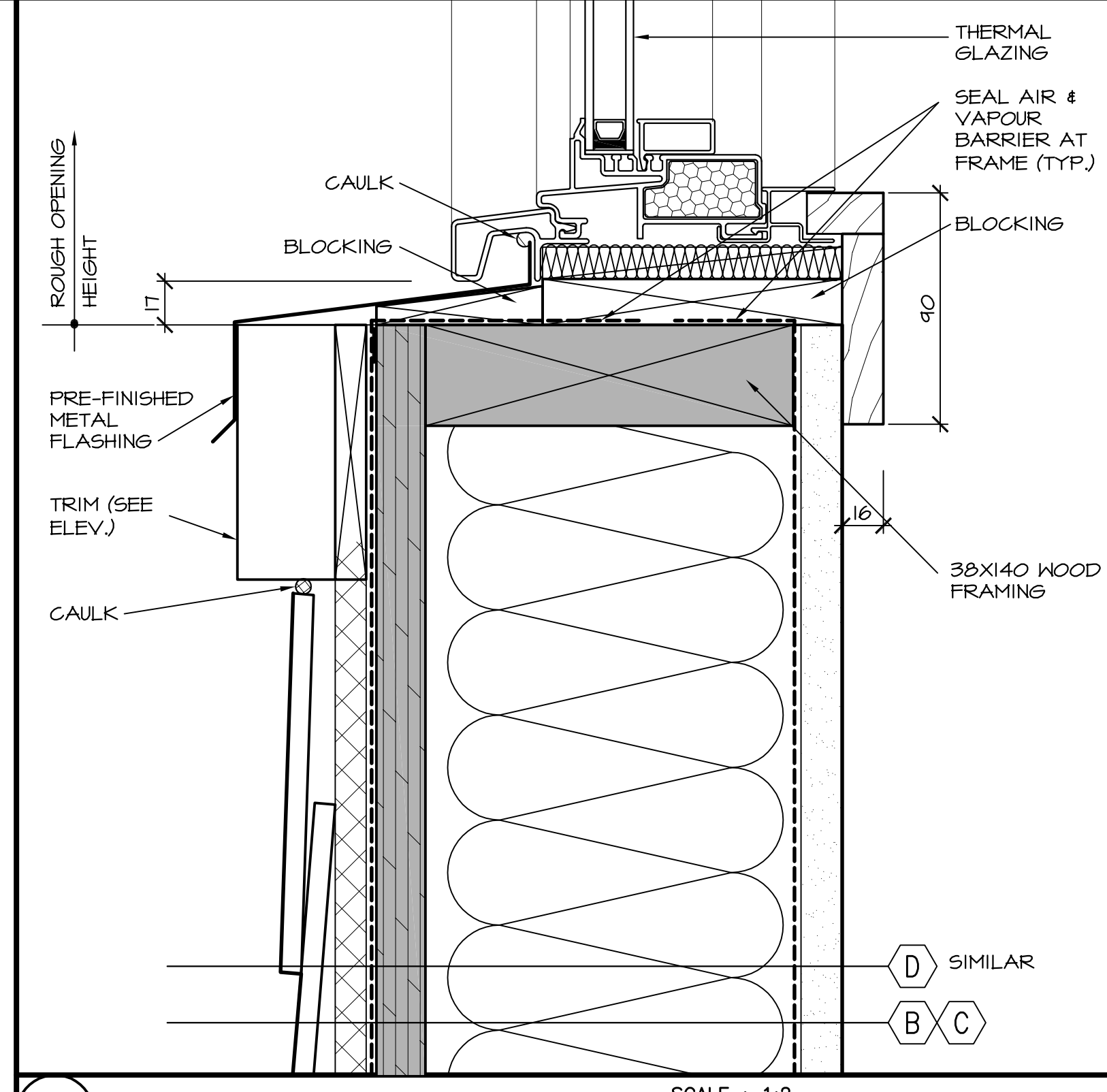
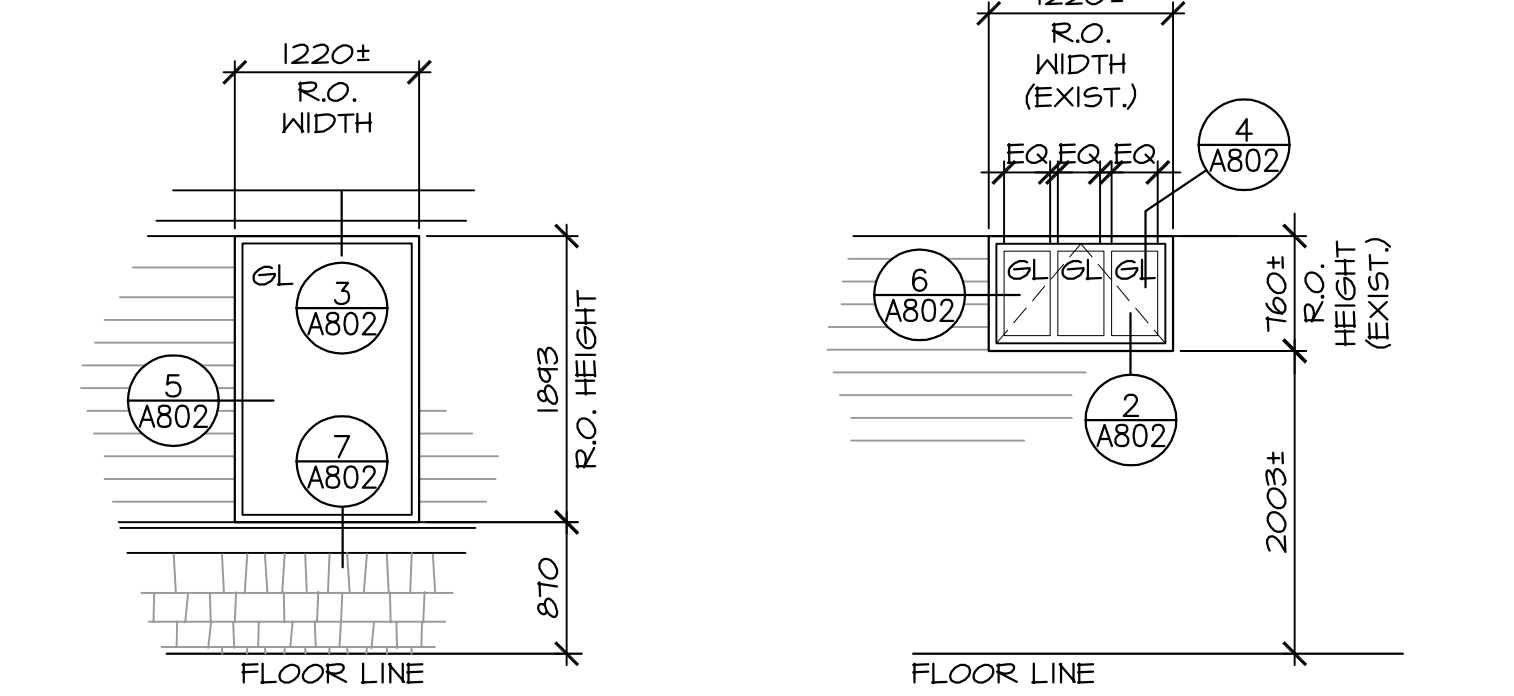
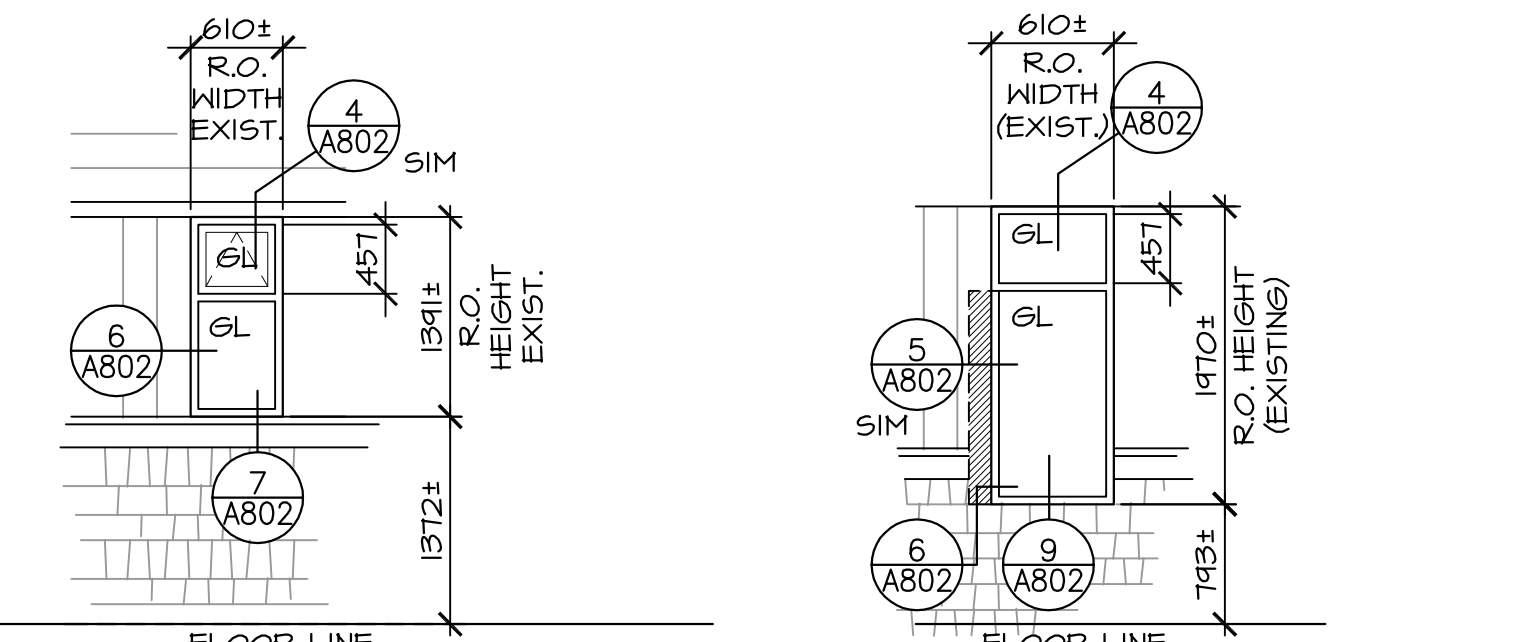
project: MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK

drawing: DOOR SCHEDULE, DOOR & FRAME TYPES, FRAME DETAILS

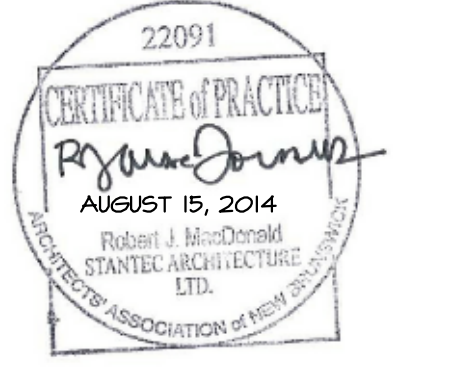
designed RJM	congr
date JULY 2014	
drawn HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.022851.001	
drawing no.	no. du dessin
A-801	



NOTE: REFER TO SHEET A-802 FOR WINDOW FRAME DETAILS UNLESS NOTED OTHERWISE.  
CONTRACTOR TO CONFIRM ROUGH OPENING SIZES PRIOR TO ORDERING WINDOWS



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revisions		date

project **MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

drawing **WINDOW FRAME TYPES & WINDOW FRAME DETAILS**

designed RJM	congru
date JULY 2014	
drawn HGA	dessiné
date JULY 2014	
approved IM	approuvé
date JULY 2014	131
Tender	Soumission

PWSC Project Manager Administrateur de projets TPSGC  
project number no. du projet **R.022851.001**

drawing no. no. du dessin **A-802**



**CONSTRUCTION NOTES**

**GENERAL**  
COMPLY WITH NATIONAL BUILDING CODE OF CANADA, LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE, AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.  
DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.  
THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.  
CO-ORDINATE WITH ELECTRICAL, MECHANICAL AND ARCHITECTURAL FOR DEPRESSIONS, OPENINGS, INSERTS AND ITEMS TO BE BUILT INTO WORK.



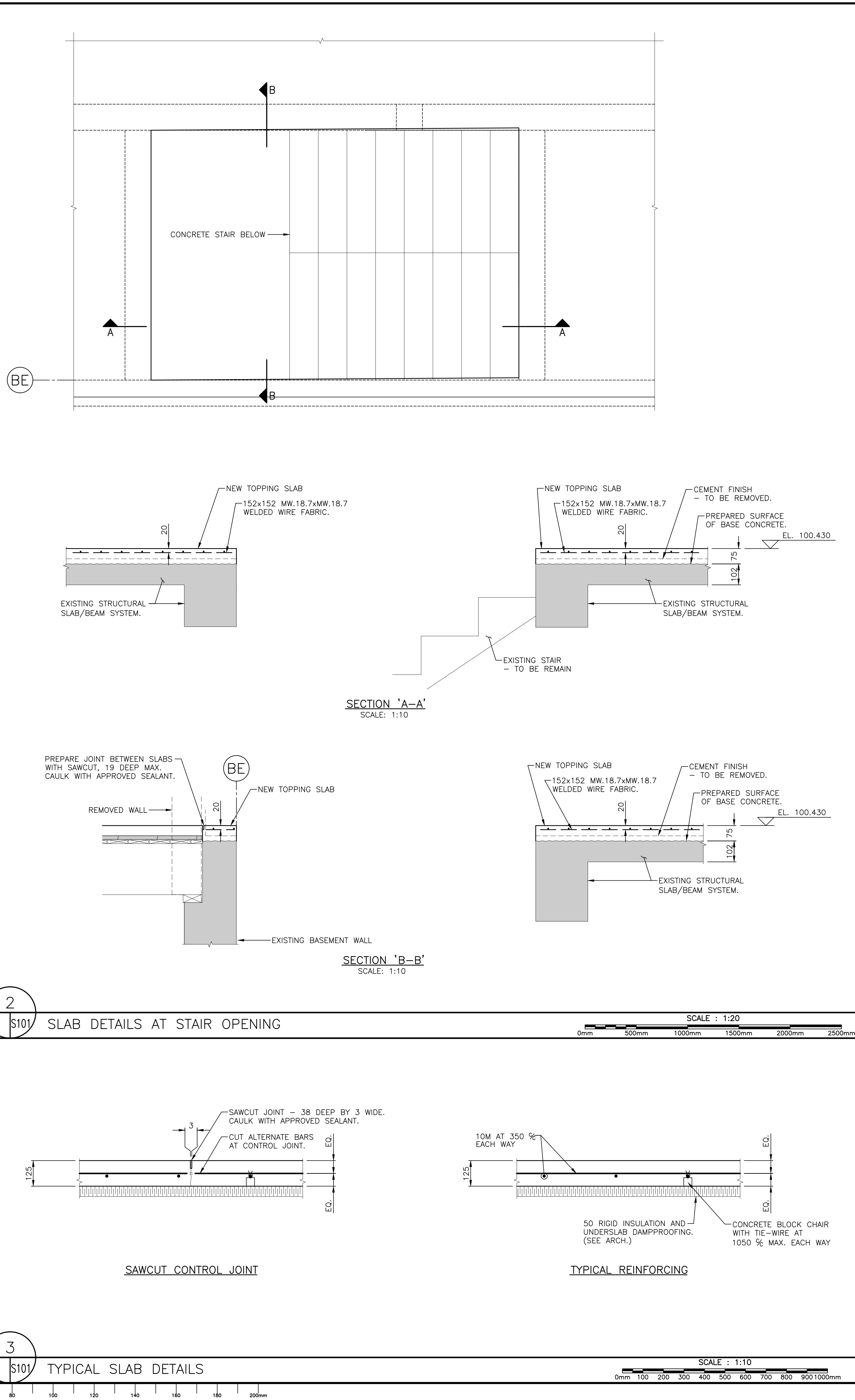
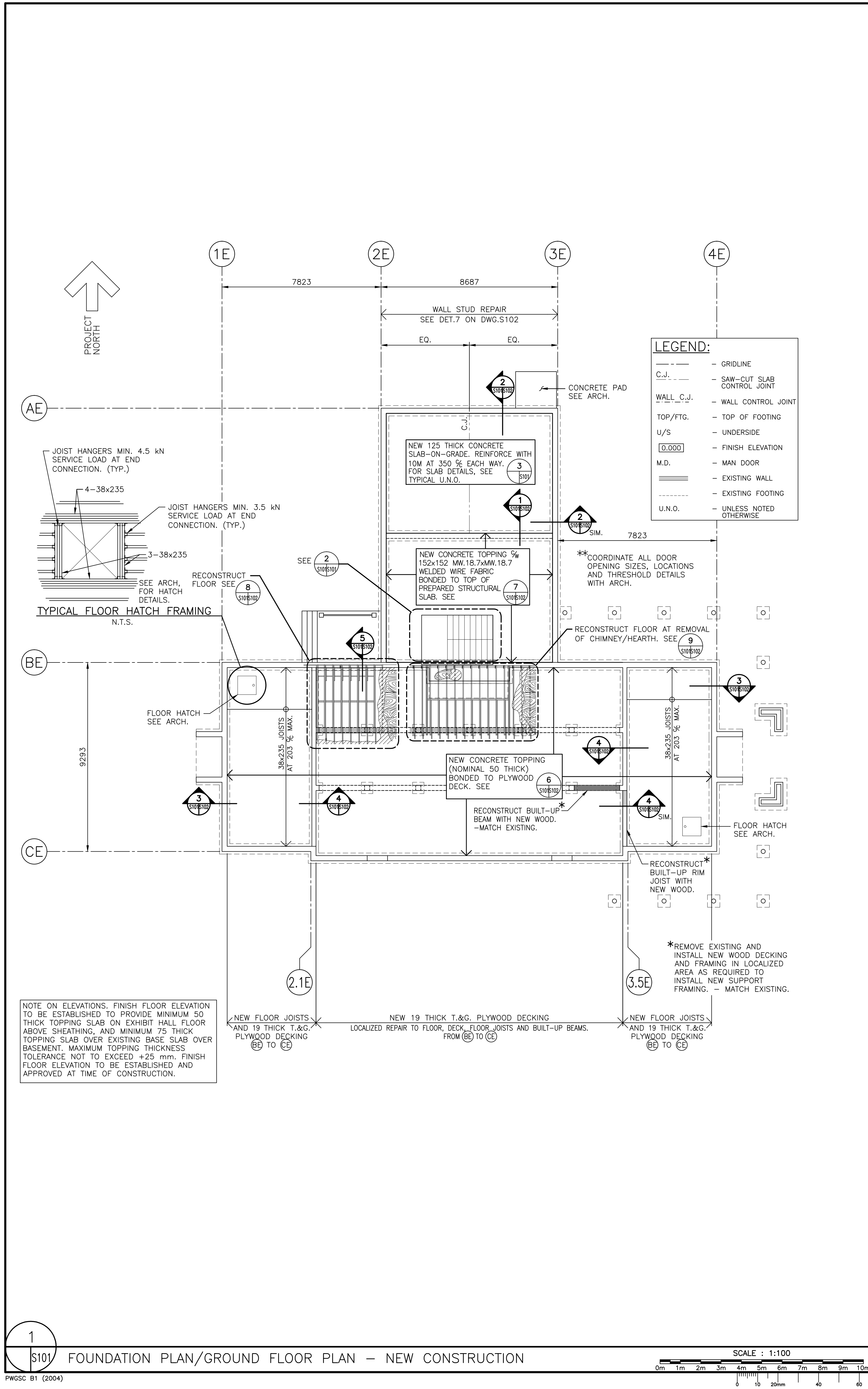
00	ISSUED FOR TENDER	08/15/2014
revisions		date
project		project

**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

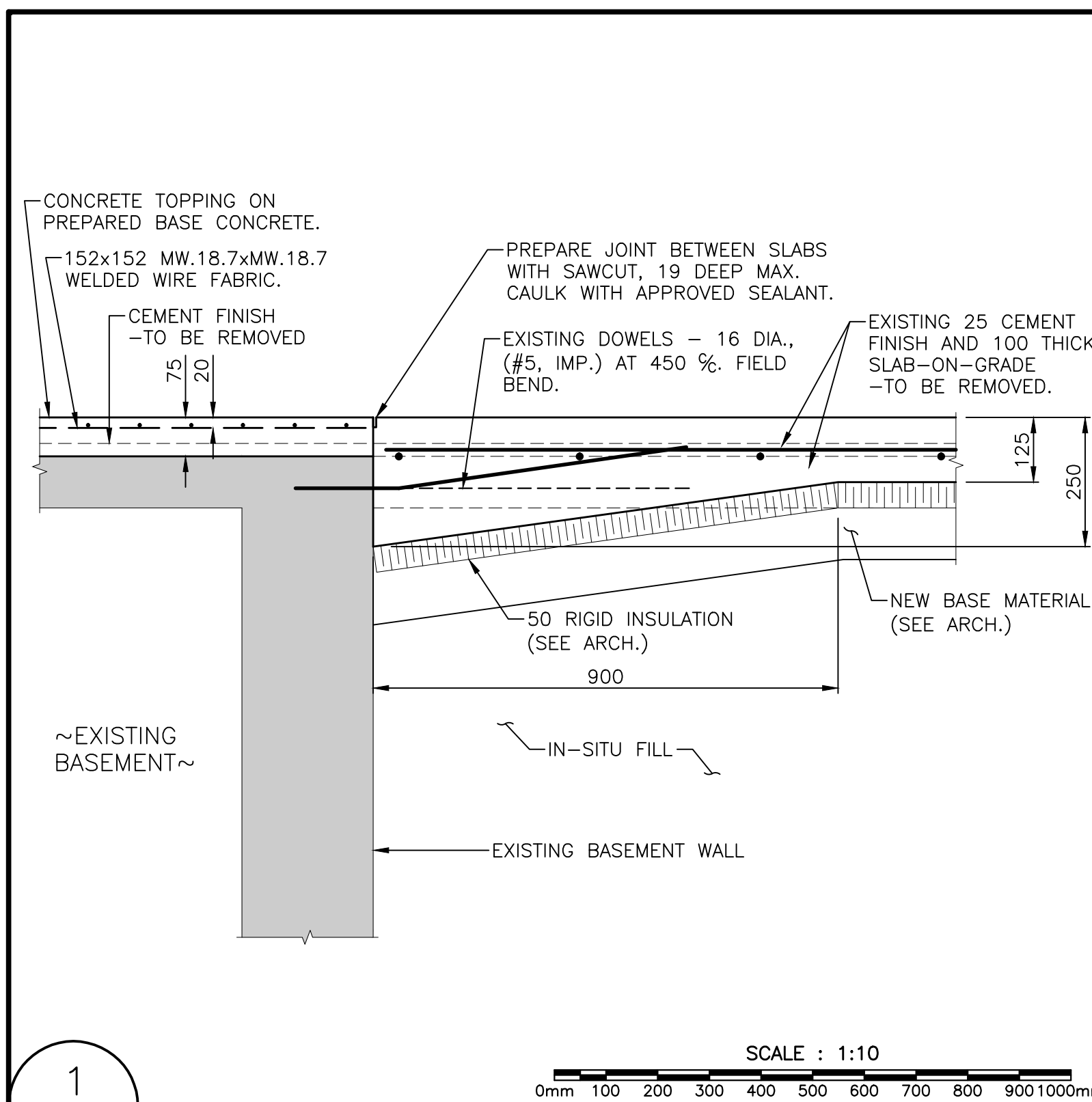
**FOUNDATION PLAN, SECTIONS AND DETAILS**

designed RBV  
date JULY 2014  
drawn RK  
date JULY 2014  
approved JSF  
date JULY 2014

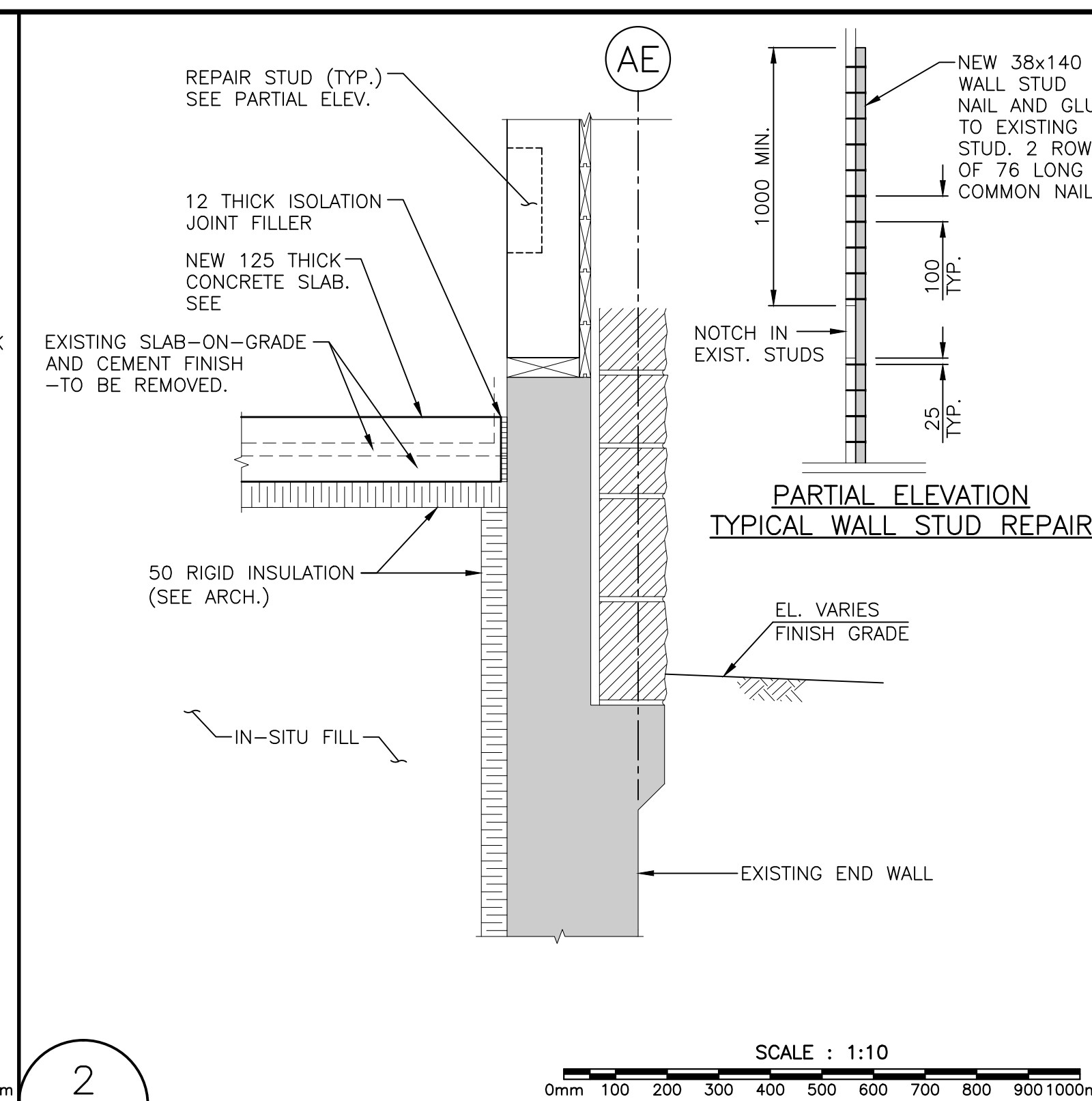
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project number R.022851.001  
drawing no. S-101



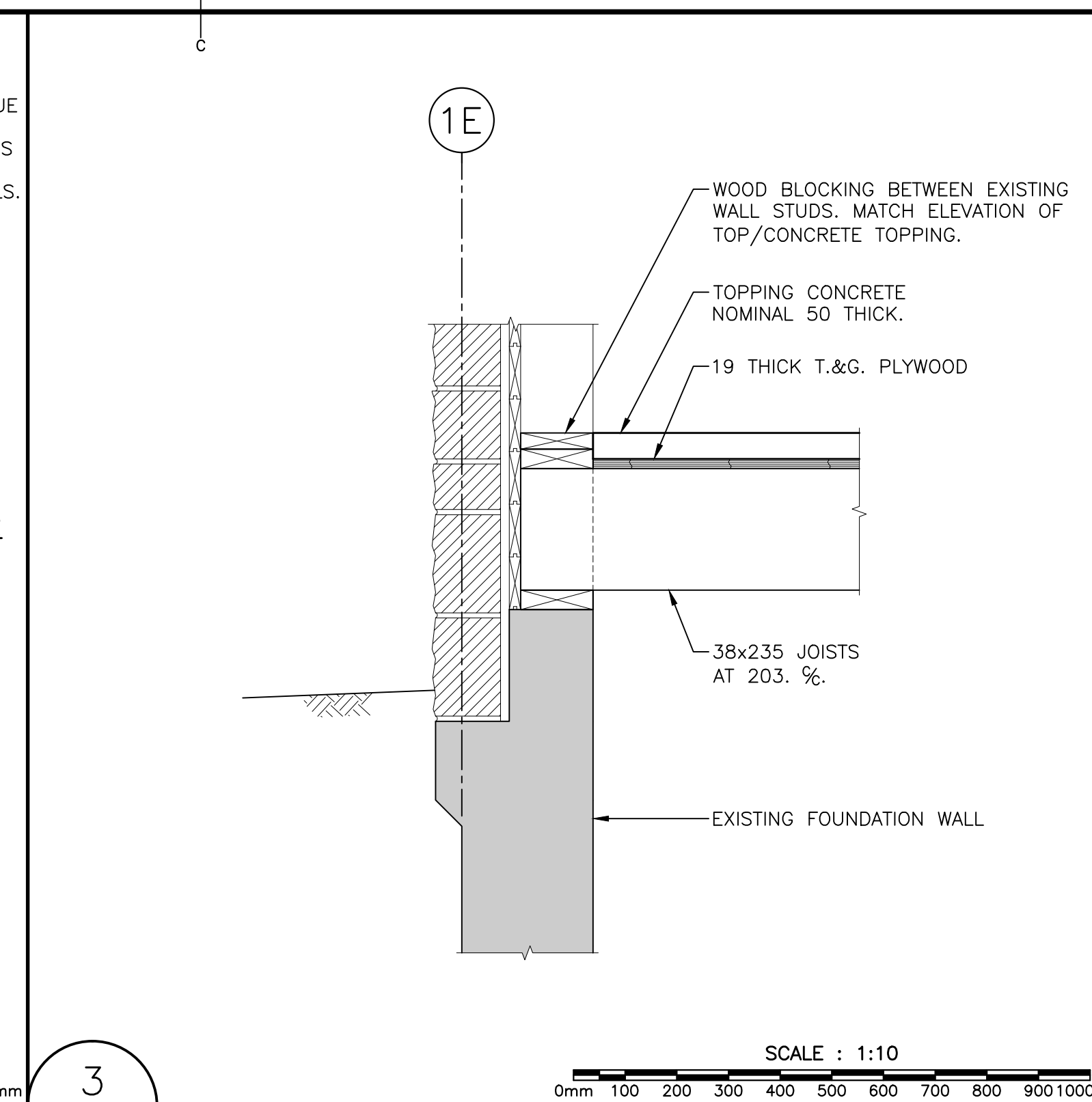




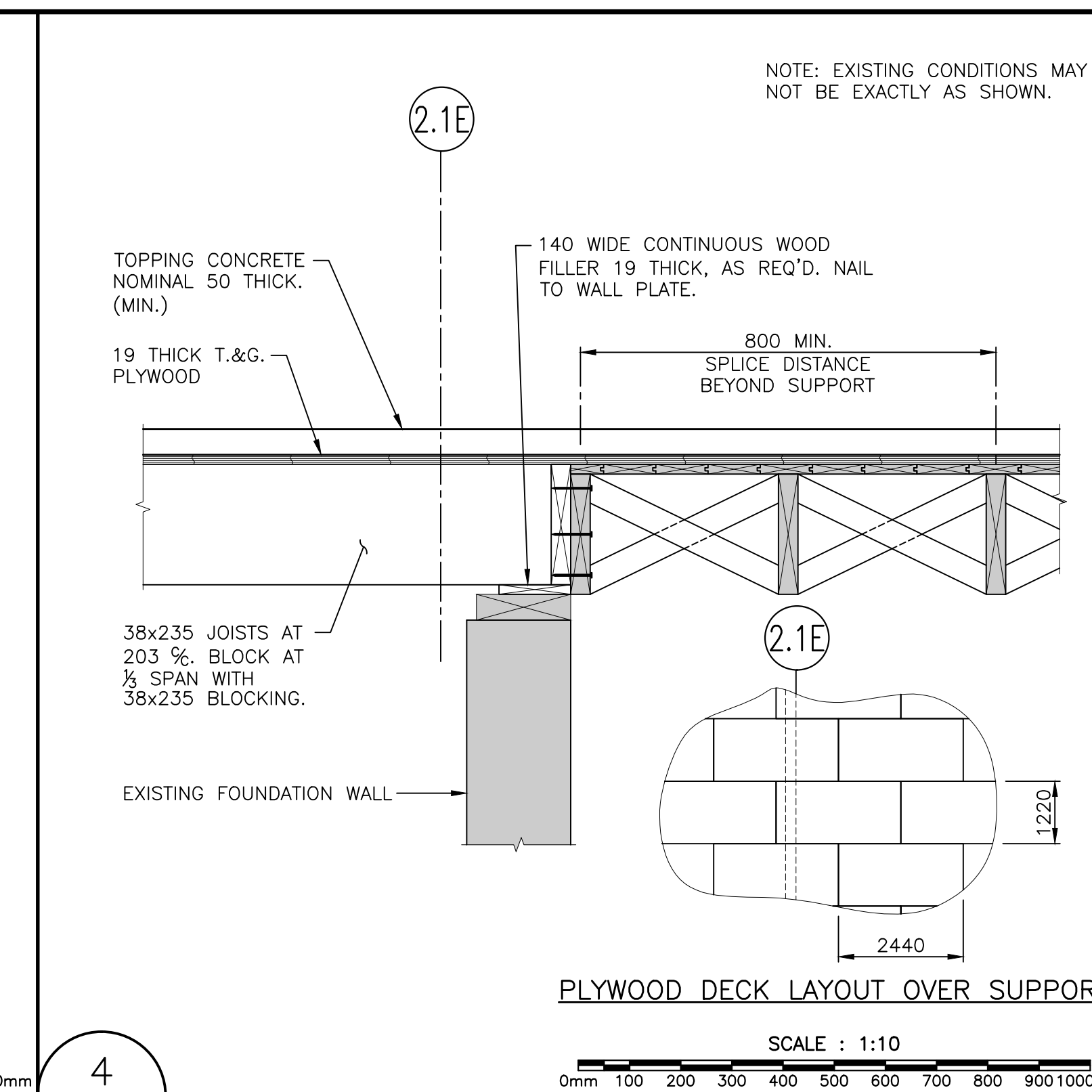
1 SLAB TRANSITION DETAIL AT BASEMENT WALL



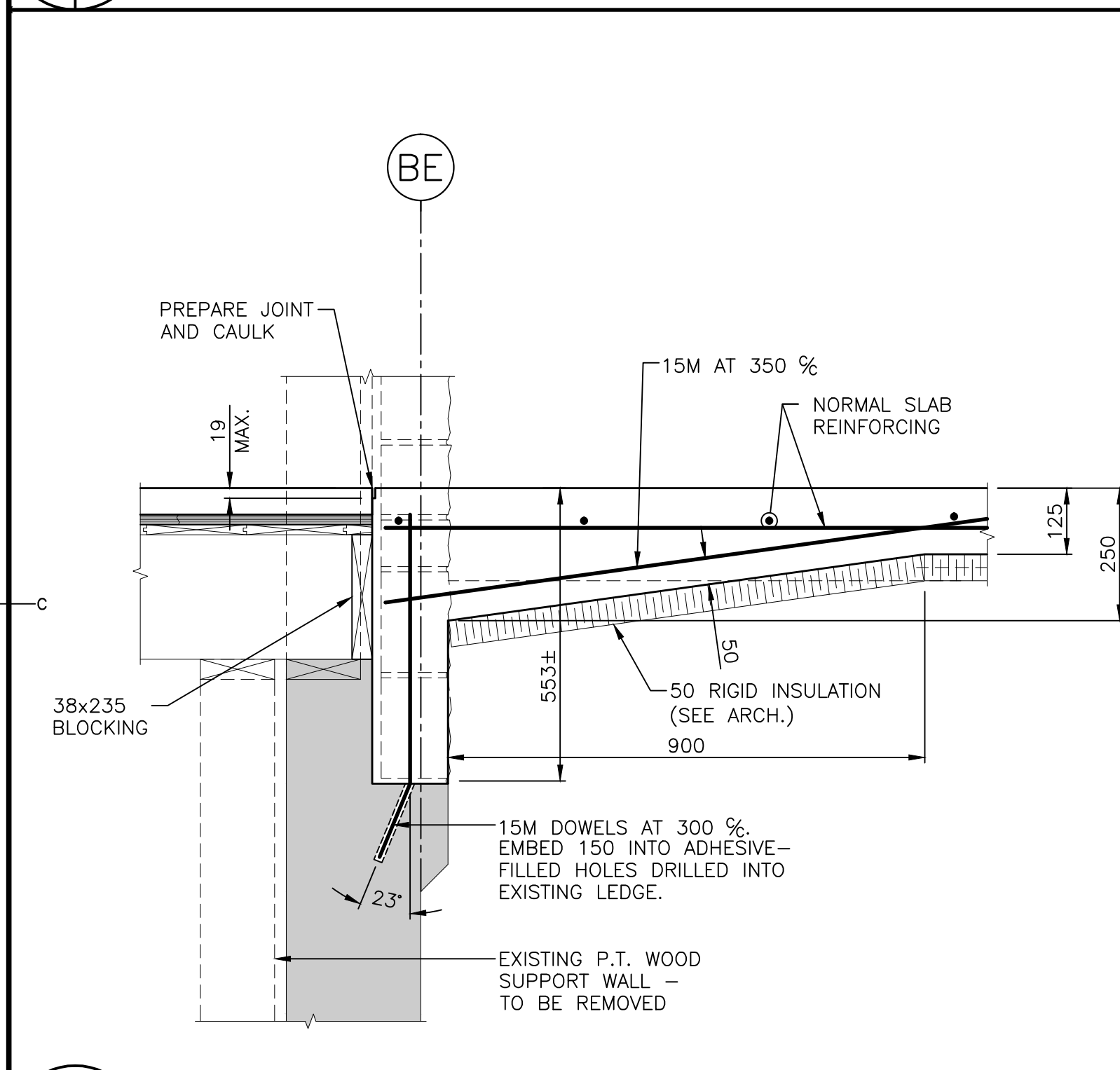
2 SLAB EDGE DETAIL AT EXISTING WALL



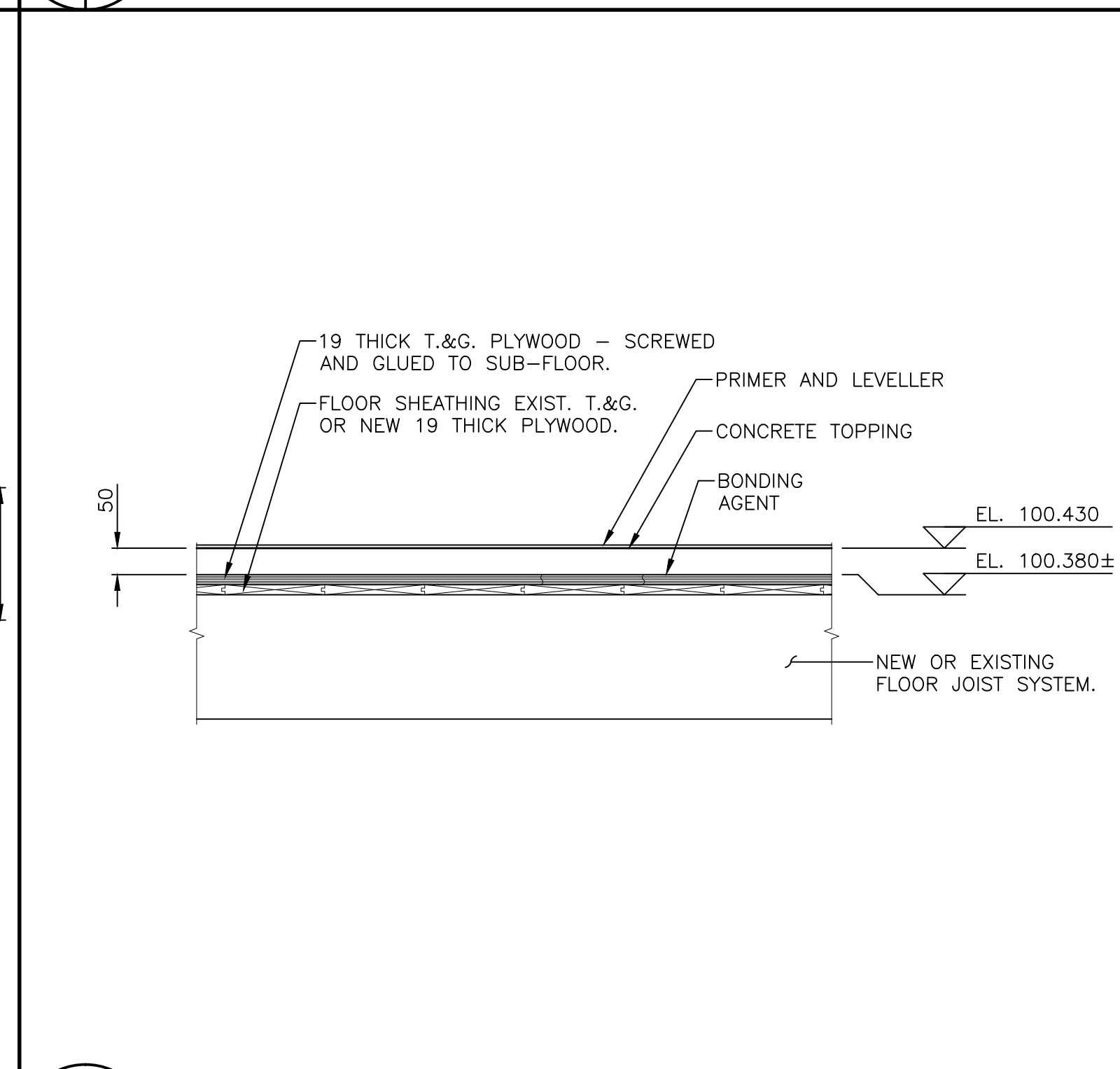
3 DETAIL AT WALL LINE 1E (SIMILAR AT LINE 4E)



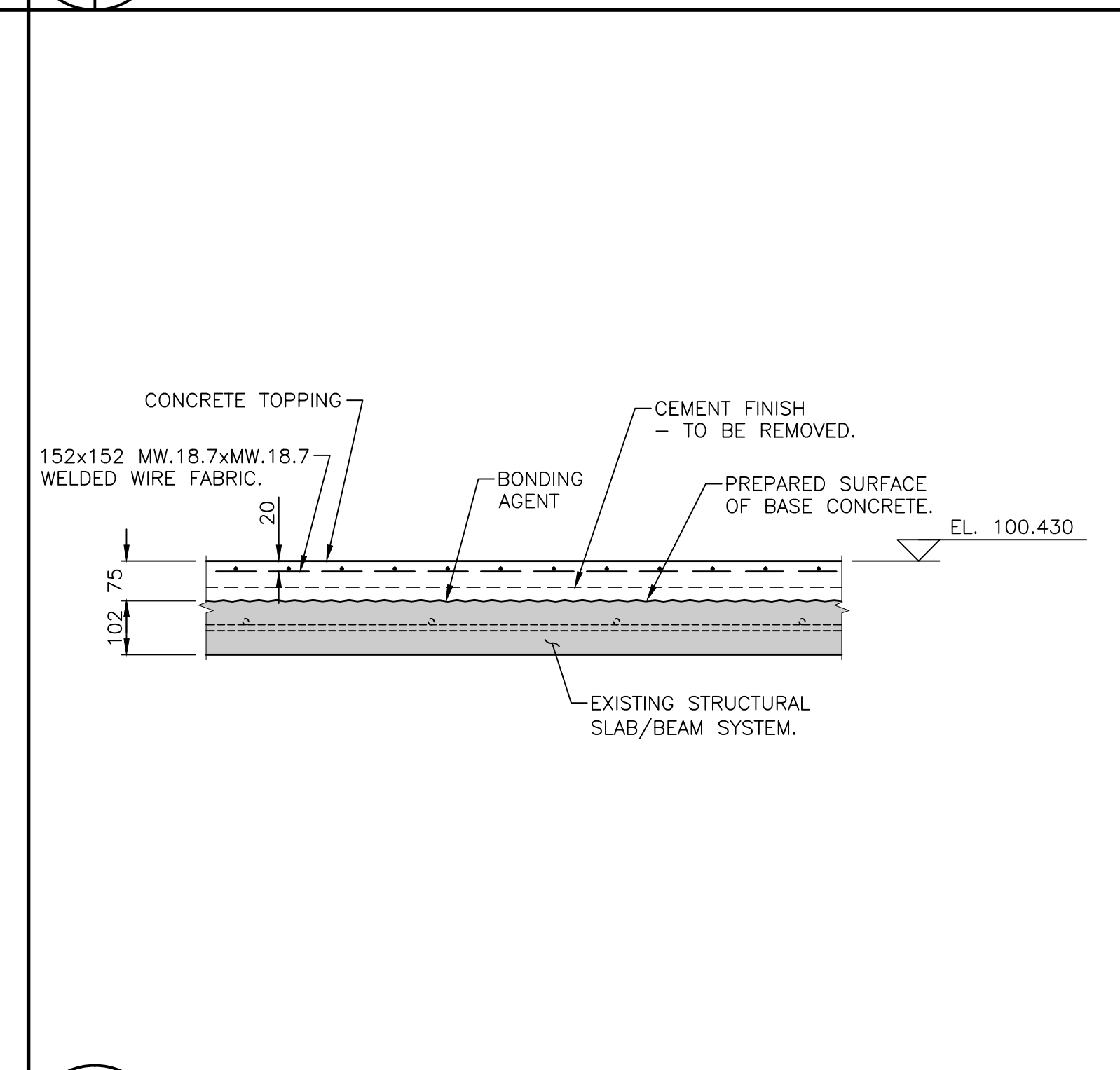
4 FLOOR CONSTRUCTION AT LINE 2.1E (LINE 3.5E SIMILAR)



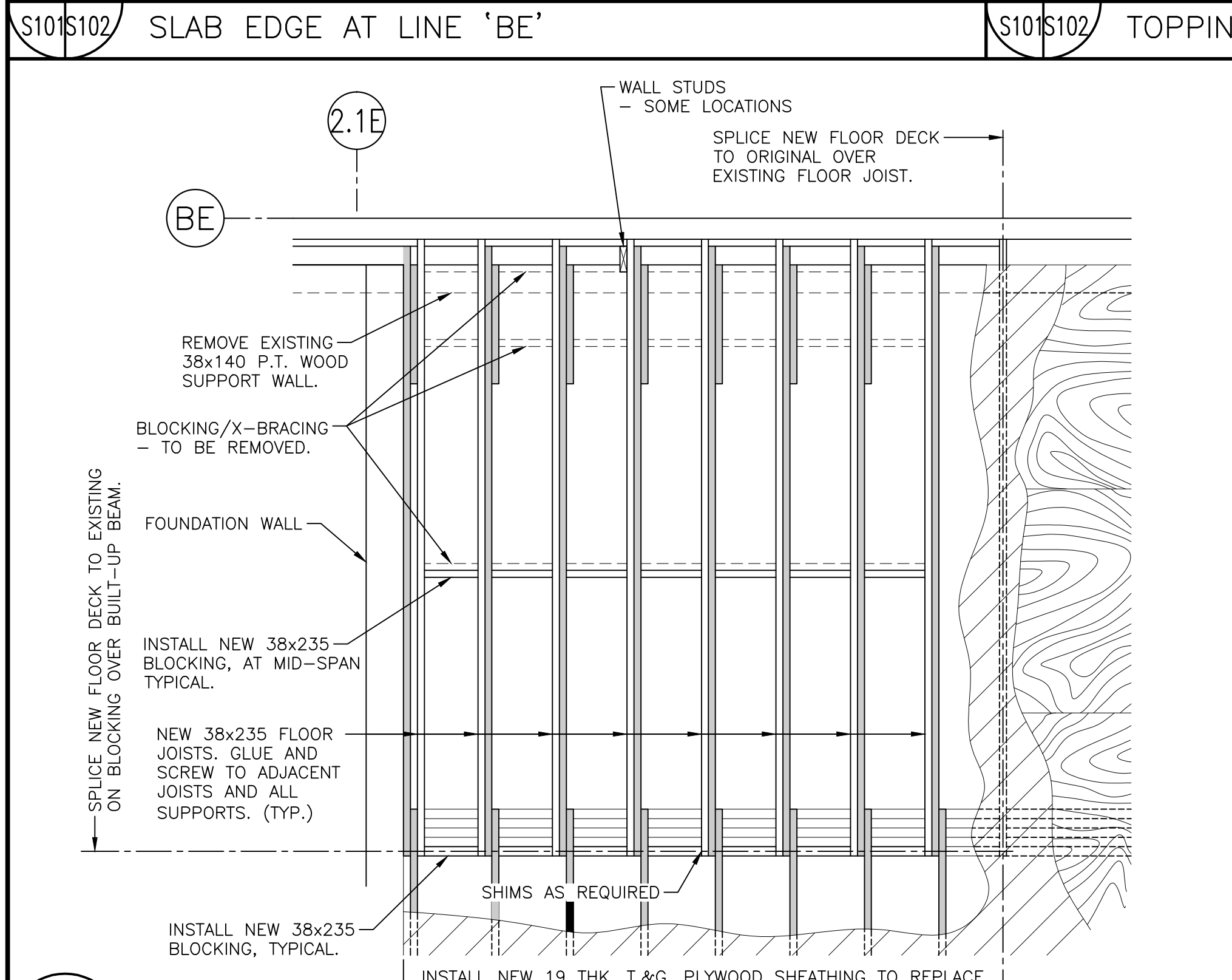
5 SLAB EDGE AT LINE 'BE'



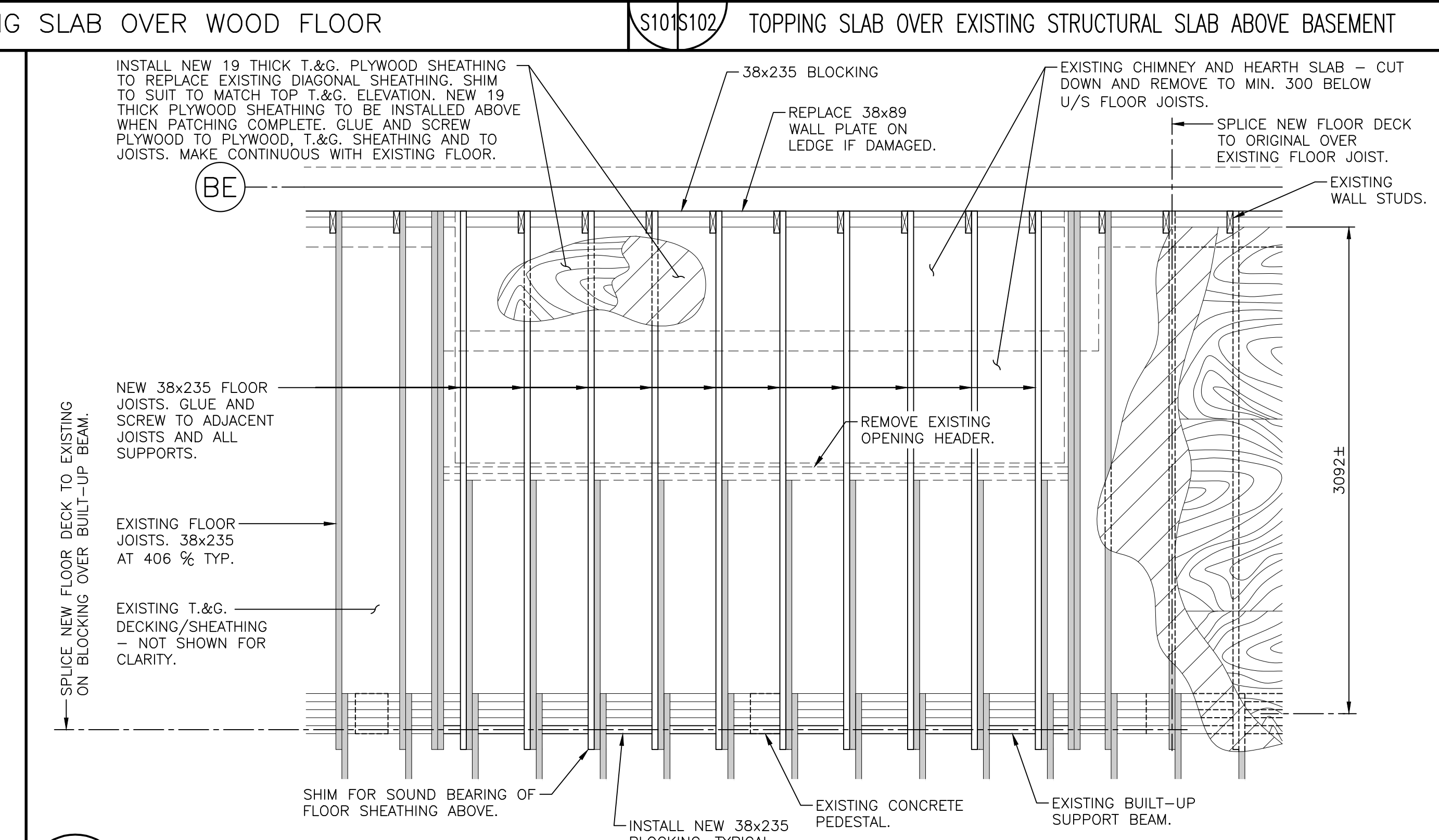
6 TOPPING SLAB OVER WOOD FLOOR



7 TOPPING SLAB OVER EXISTING STRUCTURAL SLAB ABOVE BASEMENT



8 FLOOR REPAIR ON LINE ADJACENT 2E



9 FLOOR INFILL AT CHIMNEY/FIREPLACE

CONSTRUCTION NOTES CON'T.

GEOTECHNICAL INFORMATION

FOUNDATIONS HAVE BEEN DESIGNED TO BE SUPPORTED ON IN-SITU MATERIALS, OR SUITABLY COMPACTED STRUCTURAL FILL, HAVING AN ALLOWABLE BEARING CAPACITY OF 150 KPa.

REFER TO STANTEC REPORT, FILE No. 121910032-310, DATED MARCH 18, 2010.

SLABS-ON-GRADE HAVE BEEN DESIGNED FOR SUPPORT ON A PREPARED SUB-BASE HAVING A MINIMUM SUB-GRADE MODULUS OF 50 MPa/M BASED ON 300 mm SQUARE PLATES.

SOIL CONDITIONS SHALL BE CONFIRMED BY GEOTECHNICAL ENGINEER AT TIME OF CONSTRUCTION.

BOTTOMS OF ALL EXCAVATIONS TO EXTEND TO TOP OF SUITABLE BEARING MATERIAL AND TO BE INSPECTED AND APPROVED BY GEOTECHNICAL ENGINEER.

ALL BACKFILL AND COMPACTION OF APPROVED STRUCTURAL FILL TO BE CARRIED OUT UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER.

ABOVE SUB-GRADE LEVEL, UNDER FLOOR SLABS-ON-GRADE, PLACE AND COMPACT MINIMUM 150 mm BASE COURSE OF CLEAN CRUSHER RUN STONE (19 mm MAXIMUM SIZE) TOPPED WITH 50 mm OF WELL-GRADED SAND AND GRAVEL FILL (6 mm MAXIMUM SIZE). COMPACT BOTH LAYERS TO 98% OF CORRECTED MAXIMUM DENSITY TO ASTM D1557.

Public Works and Services Canada / Travaux Publics et Services gouvernementaux Canada

Architects: Stantec

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The Contractor shall verify and be responsible for all dimensions, 50% and 100% scale drawings, any errors or omissions shall be reported to Stantec without delay.

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Project no. 140164093

Consultants: Ingénieurs conseils

Structural: Valron Engineers Inc. Tel: (506) 856-9601 Fax: (506) 856-6820

Mechanical: Grandall Engineering Ltd. Tel: (506) 857-2777 Fax: (506) 857-2753

Electrical: AED Engineering Inc. Tel: (506) 856-6982 Fax: (506) 383-7385

Ingénieurs en structure 11319-1

**VALRON** Structural Engineers

100 rue Cameron St. Suite 5000 Moncton, NB E1C 5Y9

Phone: 506.856.9601 Fax: 506.854.6820 Email: valron@valron.ca

ALL DETAILS AND NOTES FOR STRUCTURE MEASUREMENTS AS SHOWN IN THIS DRAWING ARE PROVIDED SPECIFICALLY FOR THIS PROJECT AND ARE THE SOLE PROPERTY OF VALRON ENGINEERS INC. THEY ARE NOT TO BE REPRODUCED, COPIED OR OTHERWISE USED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECTS/ENGINEERS. COPYRIGHT 2014, VALRON ENGINEERS INC.

REGISTERED PROFESSIONAL ENGINEER

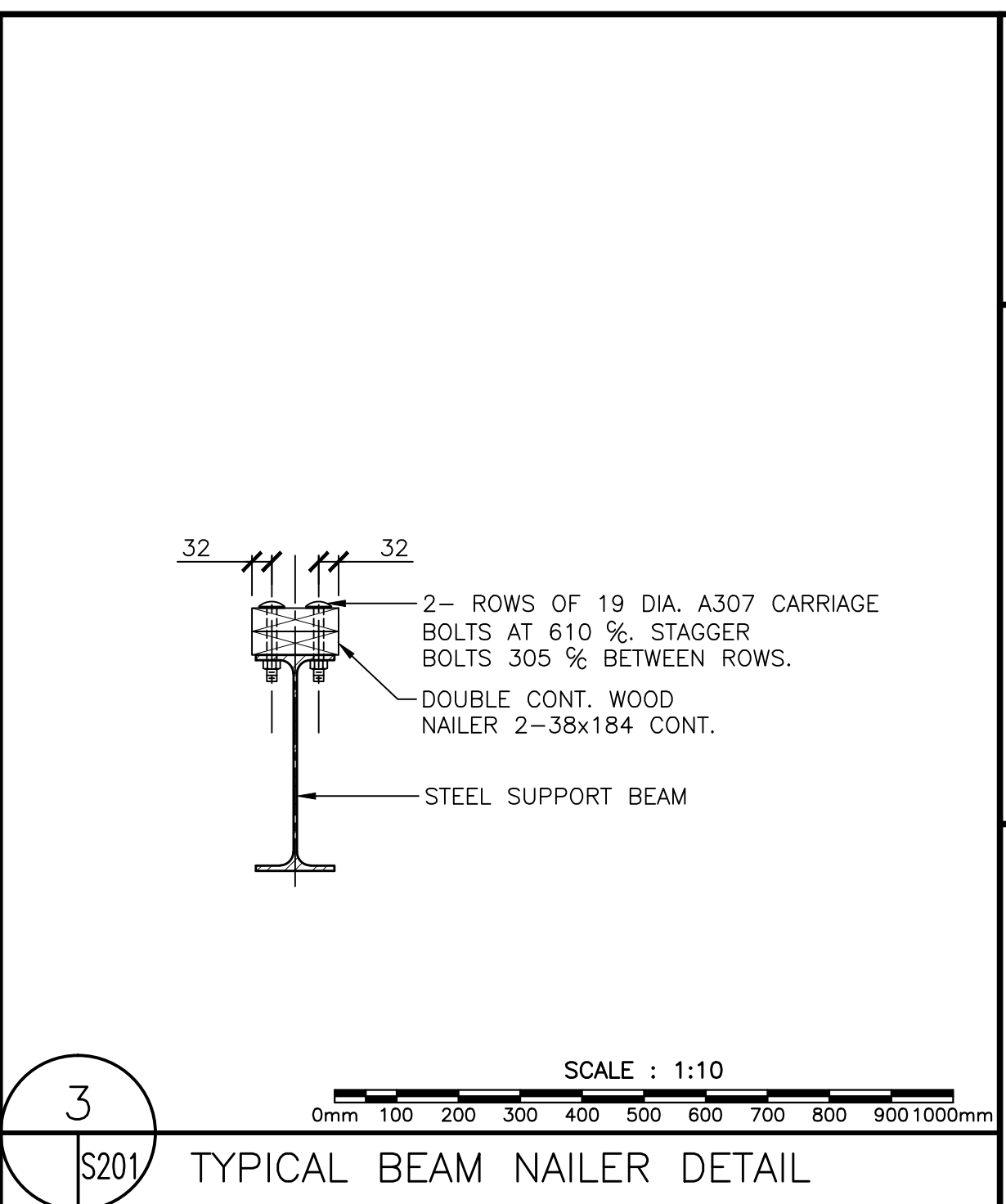
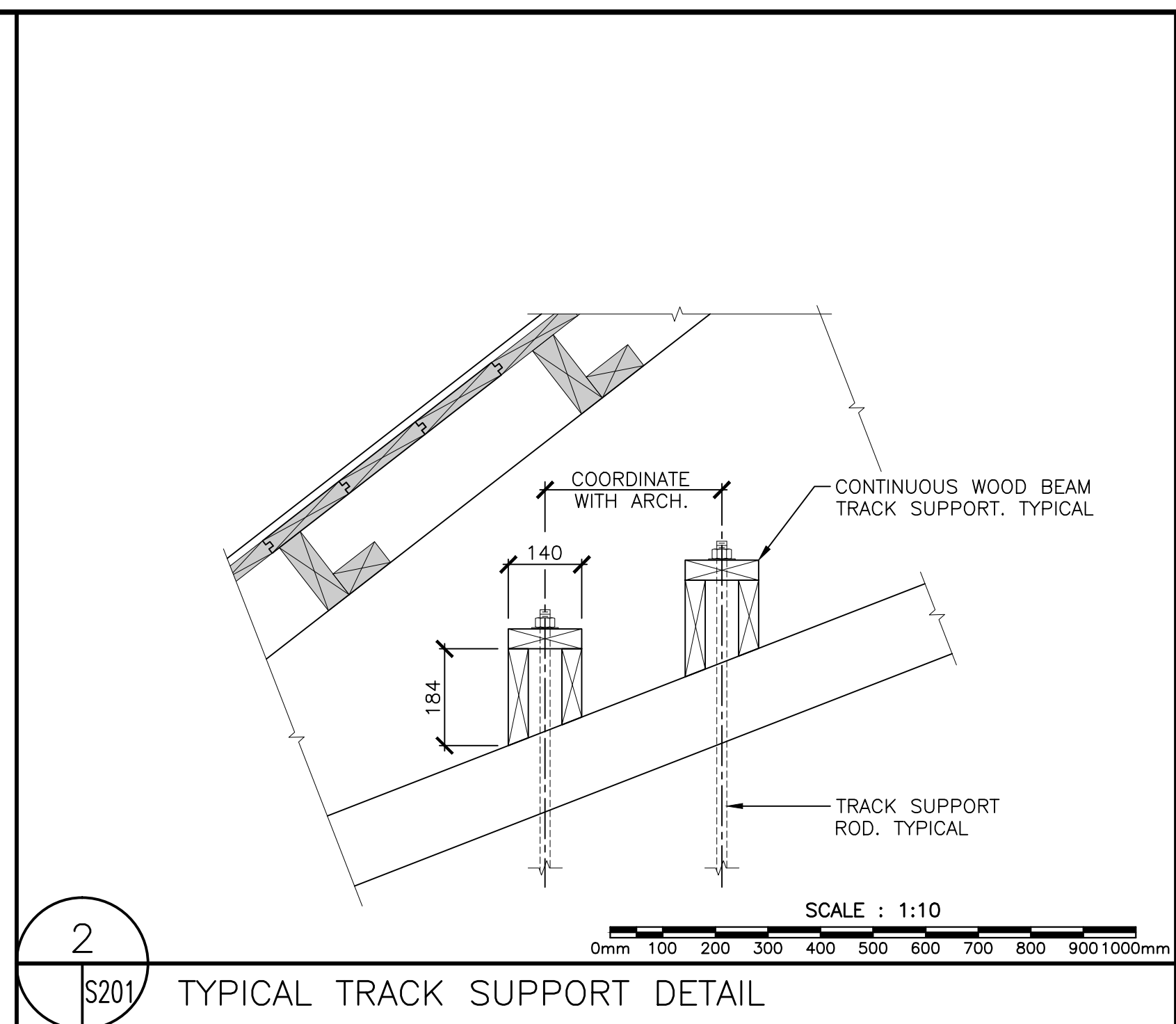
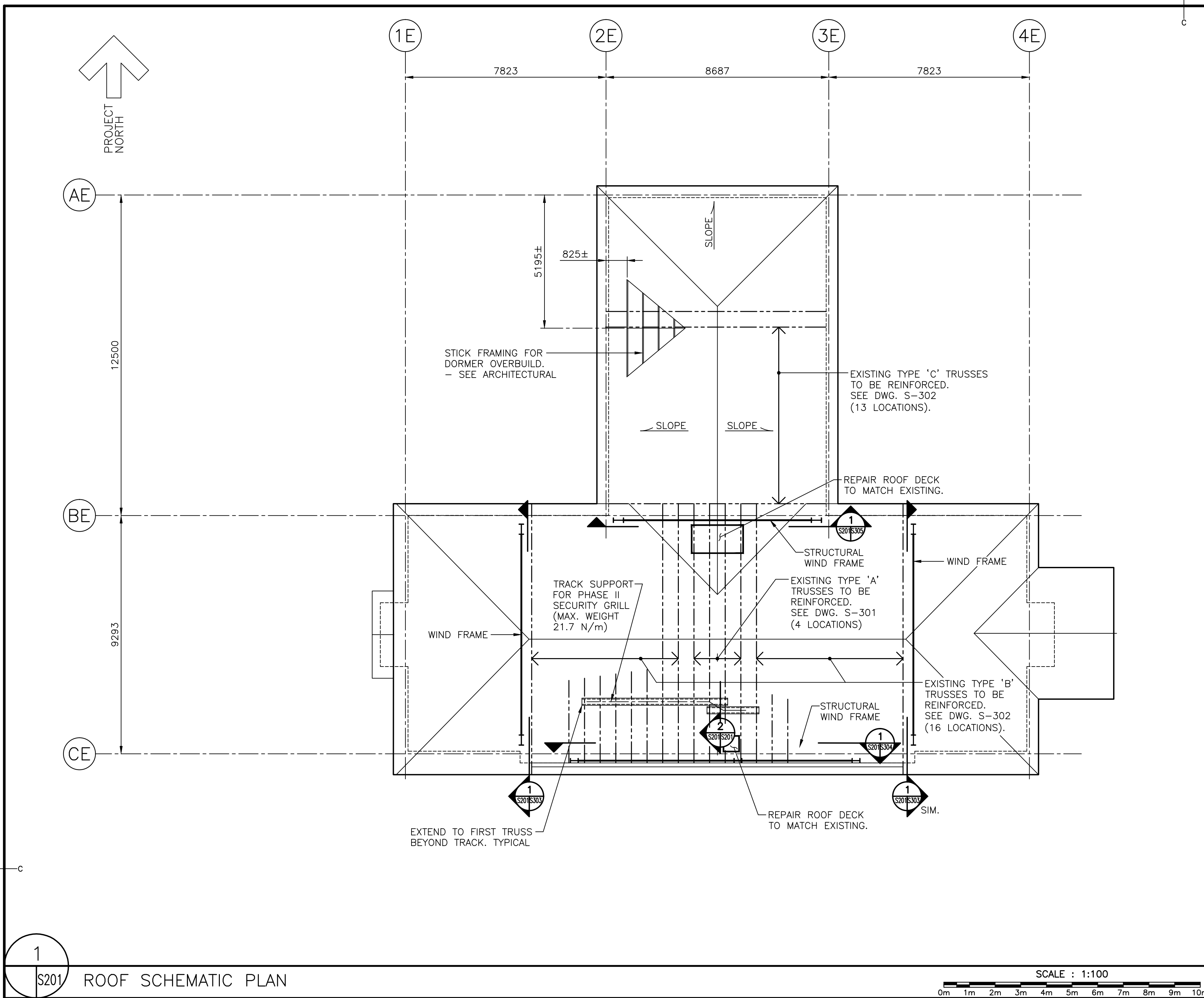
R. V. VALRON

NOV 18, 2014

INGÉNIEUR EN MÉCANIQUE

00	ISSUED FOR TENDER	08/15/2014
revisions		date
project	MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK	project
drawing		design
designed	RBV	concp.
date	JULY 2014	drawn
drawn	RK	design
date	JULY 2014	approved
approved	JSF	date
date	JULY 2014	Tender
Tender		Submission
FWGSC Project Manager	Administrateur de projets TPWSC	project number
		no. du projet
		R.022851.001
drawing no.		no. du dessin
		S-102





**CONSTRUCTION NOTES:**

1. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
3. THE CONTRACTOR IS RESPONSIBLE FOR SEQUENCE OF ERECTION, TEMPORARY RIGGING AND SUPPORTS, FALL PROTECTION, AND ALL RELATED SAFETY PROCEDURES.
4. COORDINATE ALL FRAMING REQUIREMENTS AND OPENINGS, LOADS, ETC., TO SUIT ARCHITECTURAL AND MECHANICAL.
5. SEE ARCHITECTURAL FOR EXACT LOCATIONS, SPANS AND ADDITIONAL REQUIREMENTS OF FRAMING MEMBERS.
6. ALL WALL OPENINGS NOT OTHERWISE INDICATED TO BE FRAMED IN ACCORDANCE WITH STANDARD CARPENTRY PRACTICE AND PART 9 BUILDING CODE REQUIREMENTS. MINIMUM 2-38x184 SPF NO.1/NO.2, BUILT-UP NAILED LINTELS, SPACERS AS REQUIRED TO SUIT WALL THICKNESS.

**WOOD FRAME CONSTRUCTION**

1. IN CASE OF CONFLICT OR DISCREPANCY, STRUCTURAL REQUIREMENTS SHOWN ON DRAWINGS SUPERSEDE SPECIFICATIONS FOR ROUGH CARPENTRY.
2. ALL WOOD FRAME CONSTRUCTION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2005 NATIONAL BUILDING CODE OF CANADA, AND CSA 086.
3. ALL TIMBER FRAMING SHALL BE MINIMUM NO. 2 GRADE OR BETTER, SPRUCE, PINE, FIR SPECIES. LUMBER MOISTURE CONTENT SHALL NOT EXCEED 19% AT TIME OF CONSTRUCTION.



00	ISSUED FOR TENDER	08/15/2014
revisions		date

project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**  
project

drawing  
**FRAMING PLANS, SECTIONS, DETAILS AND NOTES**  
dessin

designed RBV concp.  
date JULY 2014  
drawn RK dessin  
date JULY 2014  
approved JSF  
date JULY 2014  
Tender Submission

FWGSC Project Manager Administrateur de projets TPFGC  
project number no. du projet  
**R.022851.001**  
drawing no. no. du dessin

**S-201**





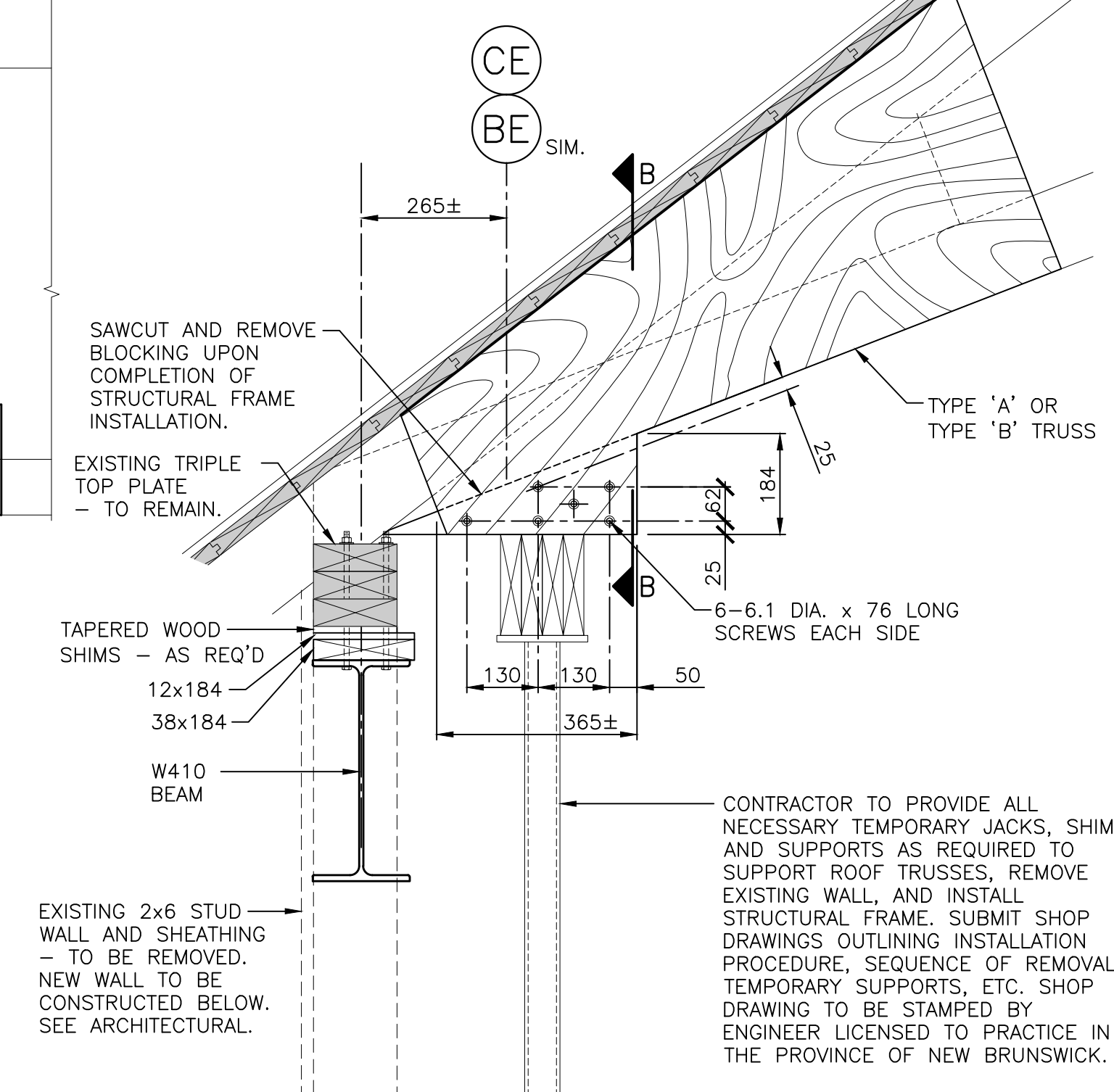
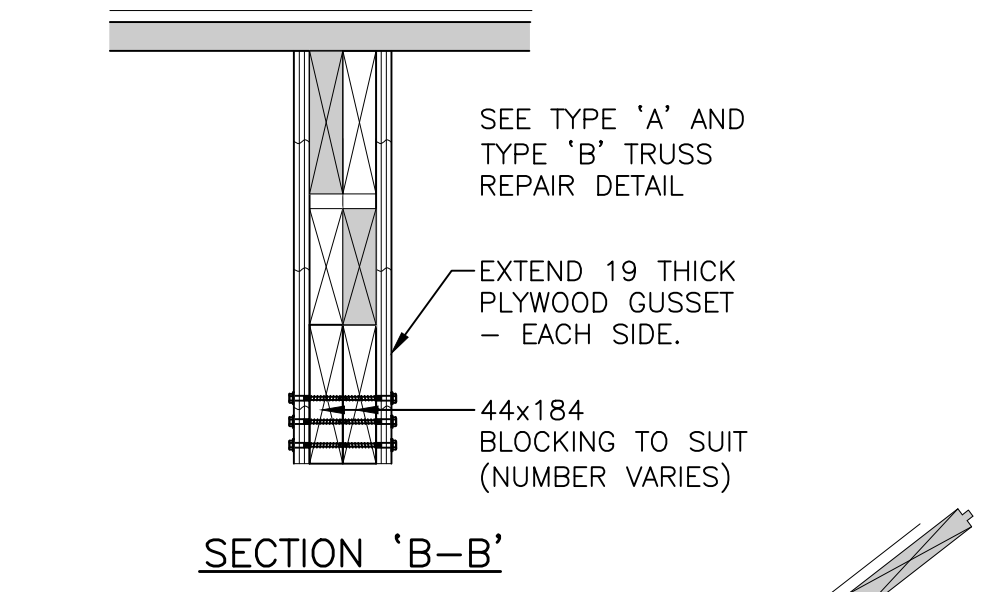
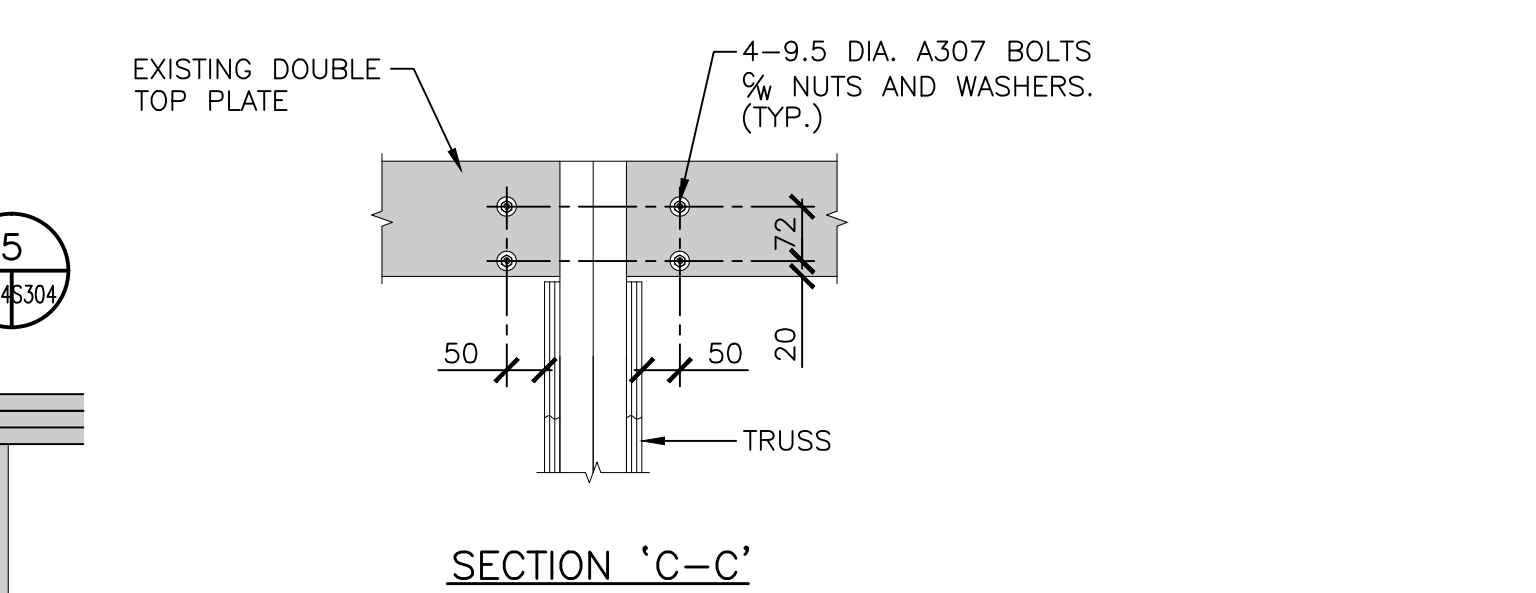
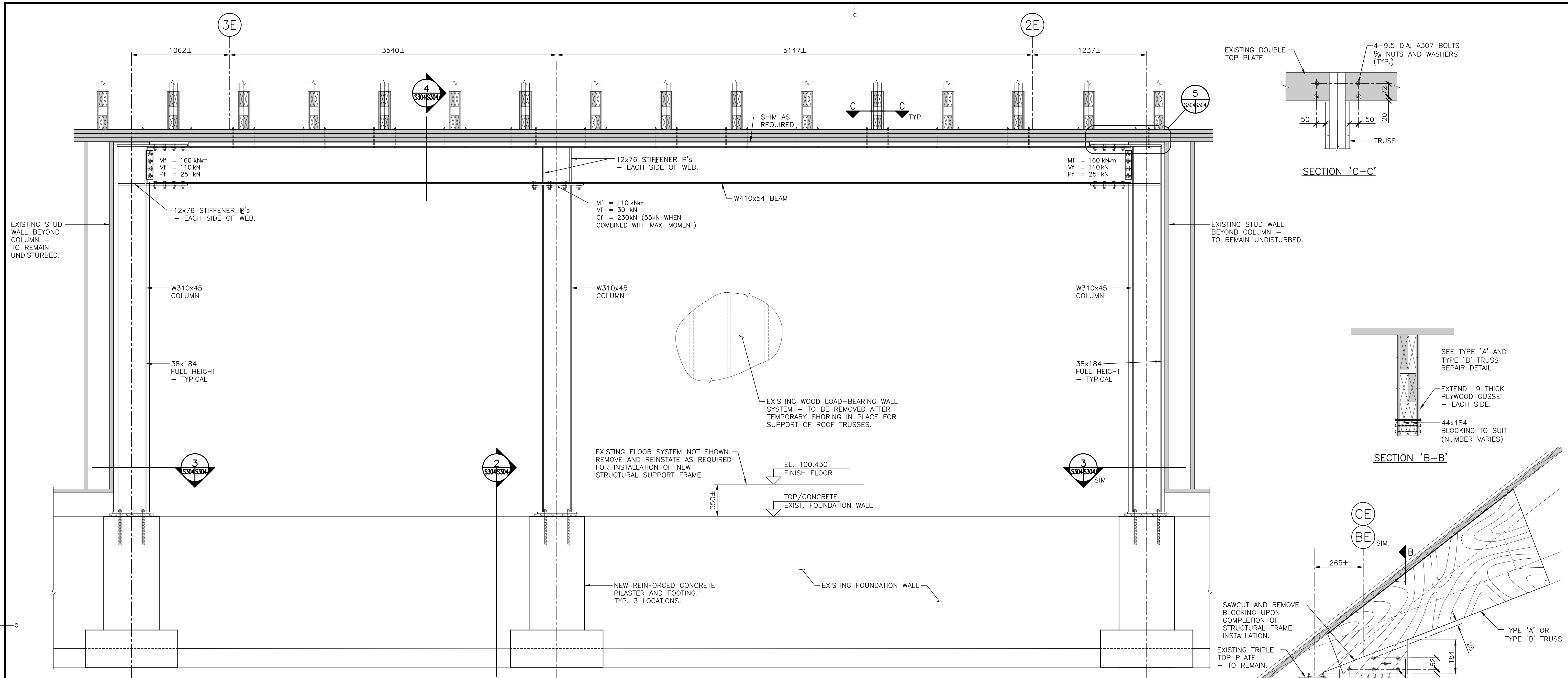








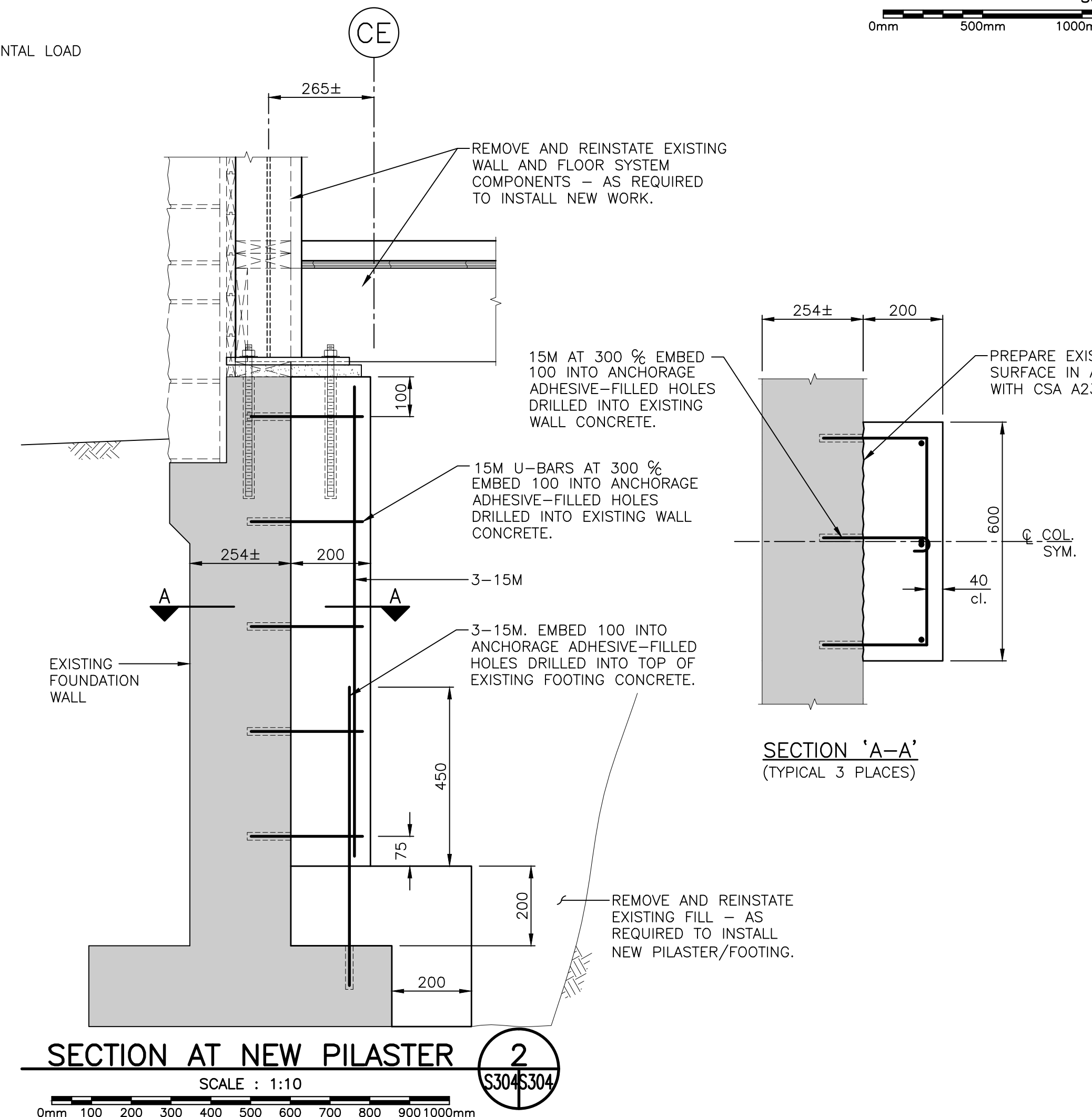




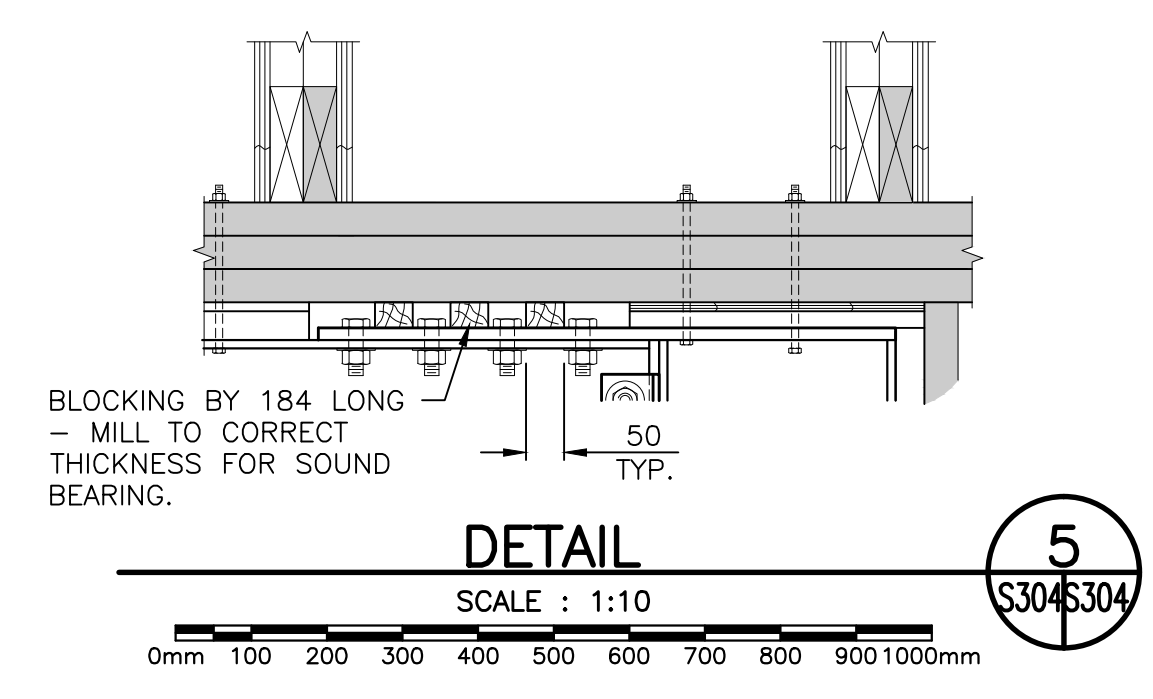
**LEGEND:**  
MF = FACTORED MOMENT  
VF = FACTORED SHEAR  
PF = FACTORED HORIZONTAL LOAD

**ELEVATION AT STRUCTURAL WIND FRAME ADJACENT LINE 'CE'**  
SCALE : 1:20  
0mm 500mm 1000mm 1500mm 2000mm 2500mm

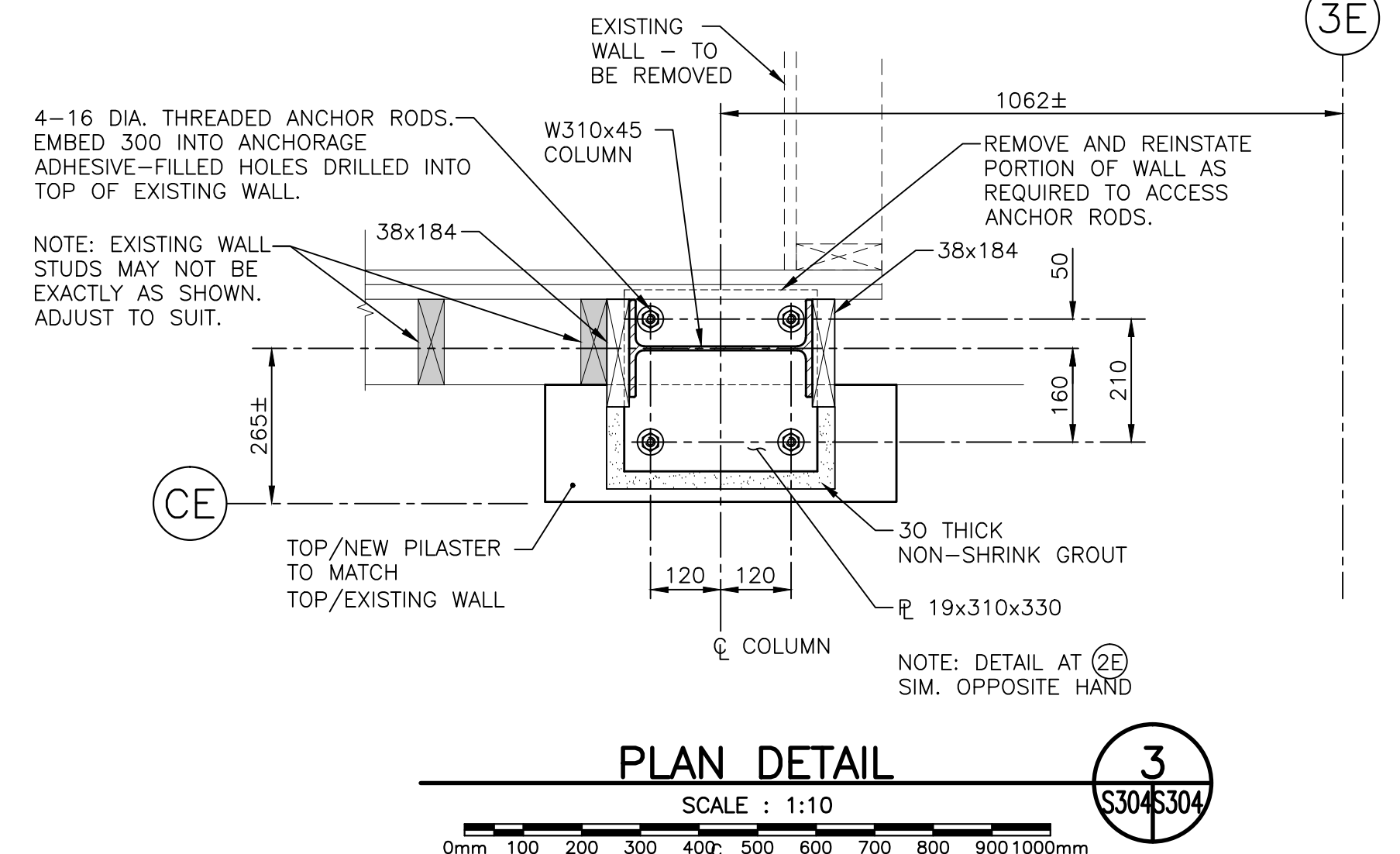
NOTE: EXISTING CONDITIONS MAY VARY FROM THAT SHOWN.



**SECTION AT NEW PILASTER**  
SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm



**DETAIL**  
SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm



**PLAN DETAIL**  
SCALE : 1:10  
0mm 100 200 300 400 500 600 700 800 900 1000mm

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revisions		date

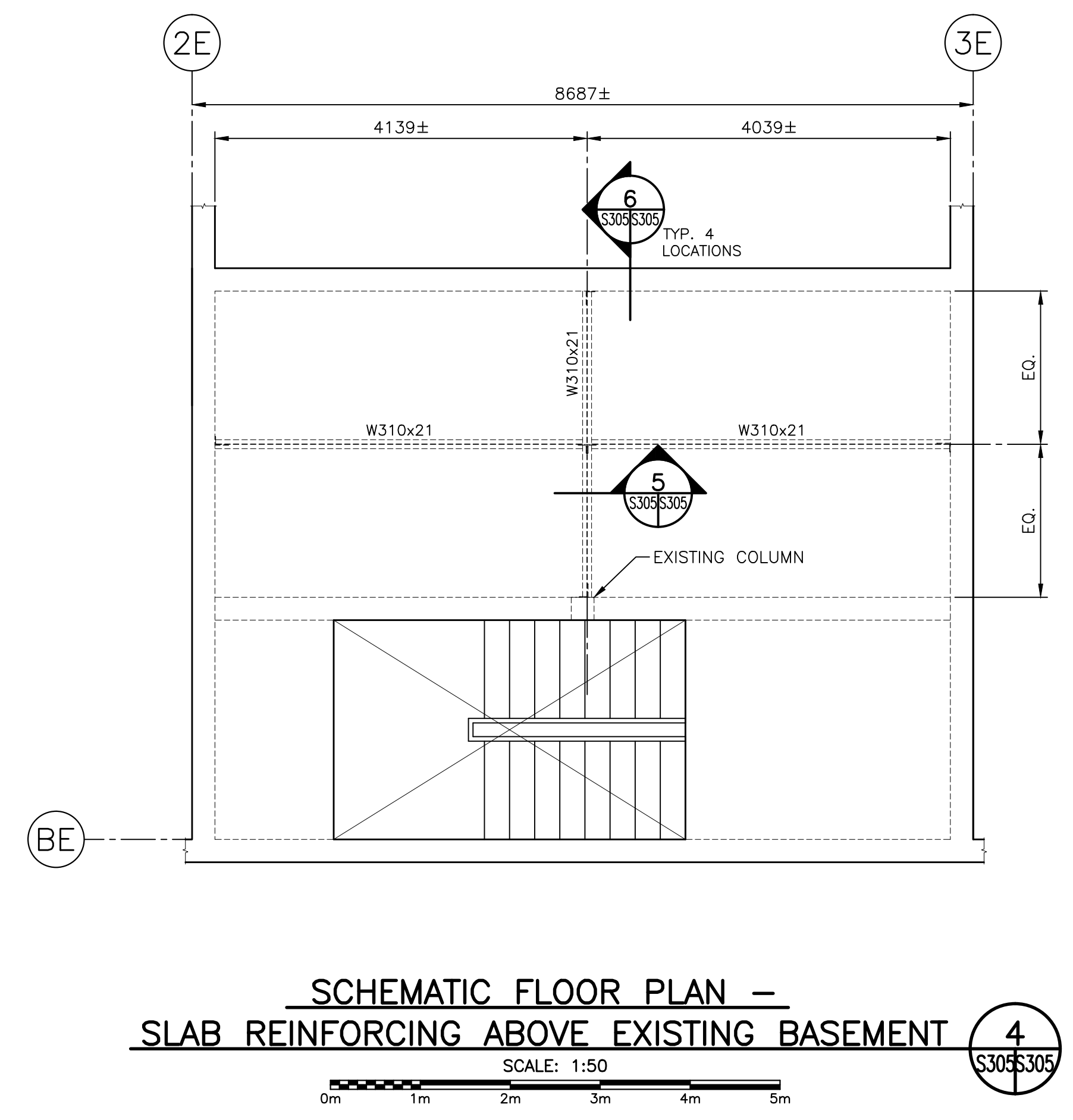
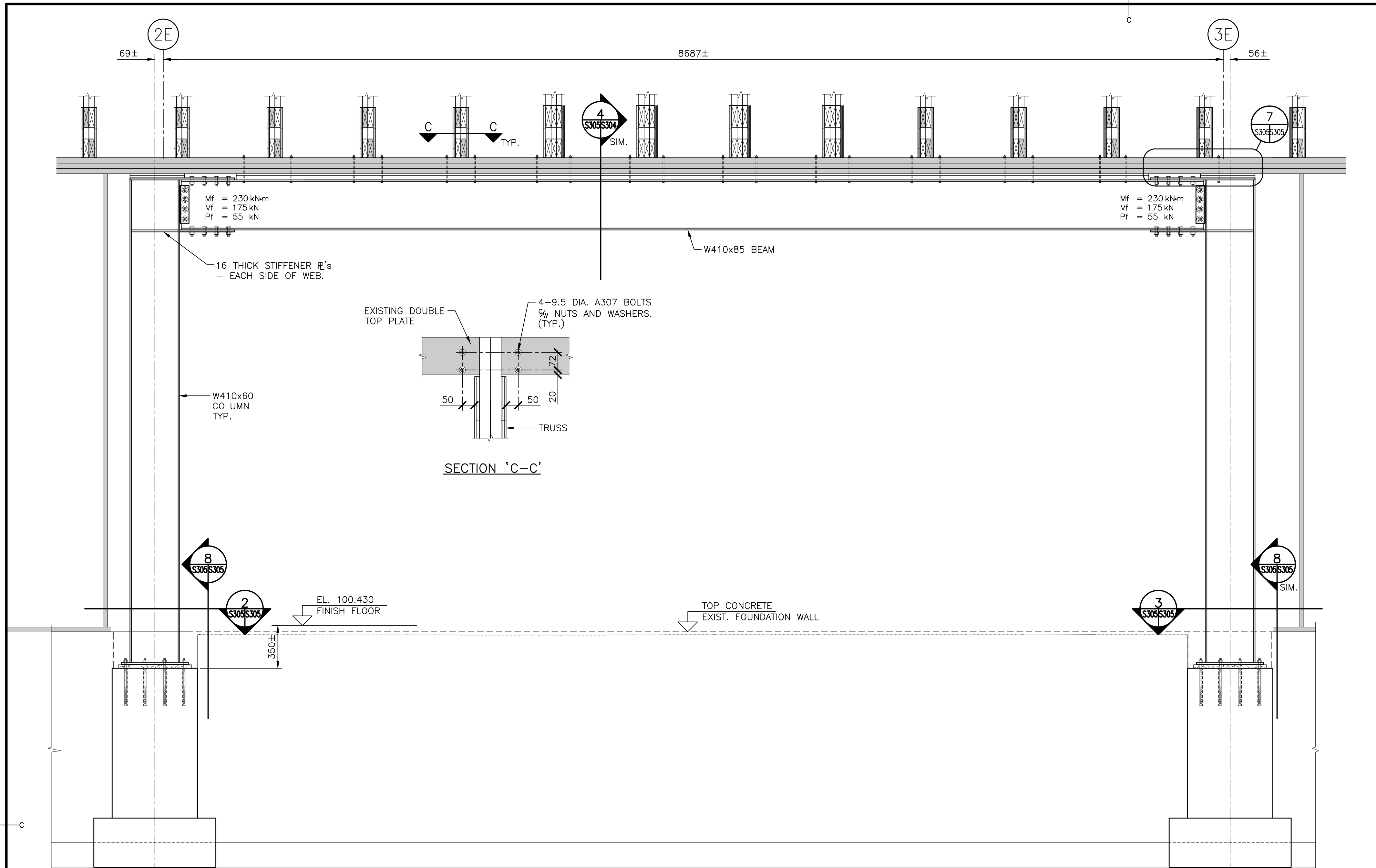
project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**  
project

drawing  
**EXHIBIT HALL SOUTH WALL WIND FRAME ELEVATION, SECTIONS AND DETAILS**  
design

designed RBV  
date JULY 2014  
drawn JG/RK  
date JULY 2014  
approved JSF  
date JULY 2014  
Tender

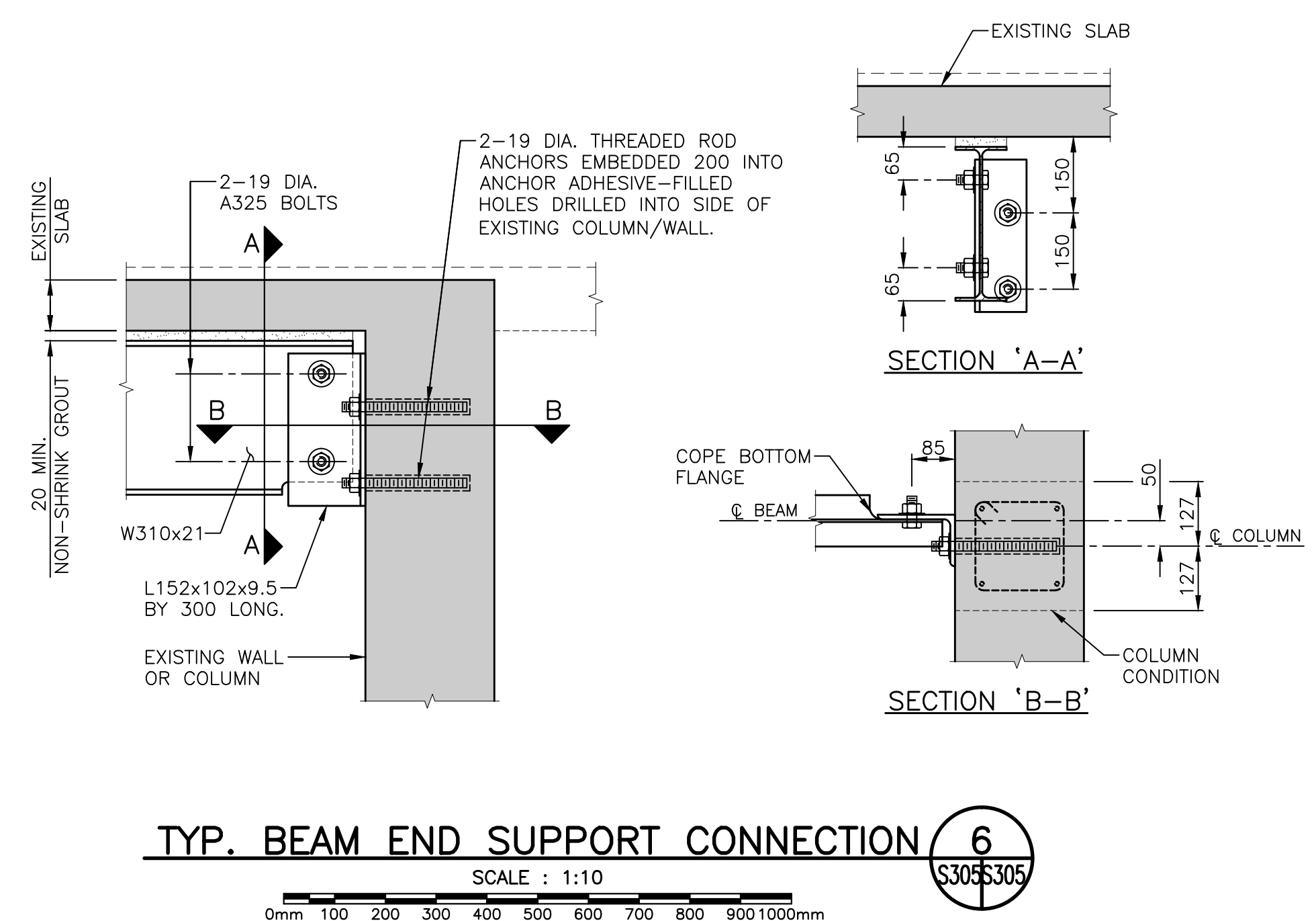
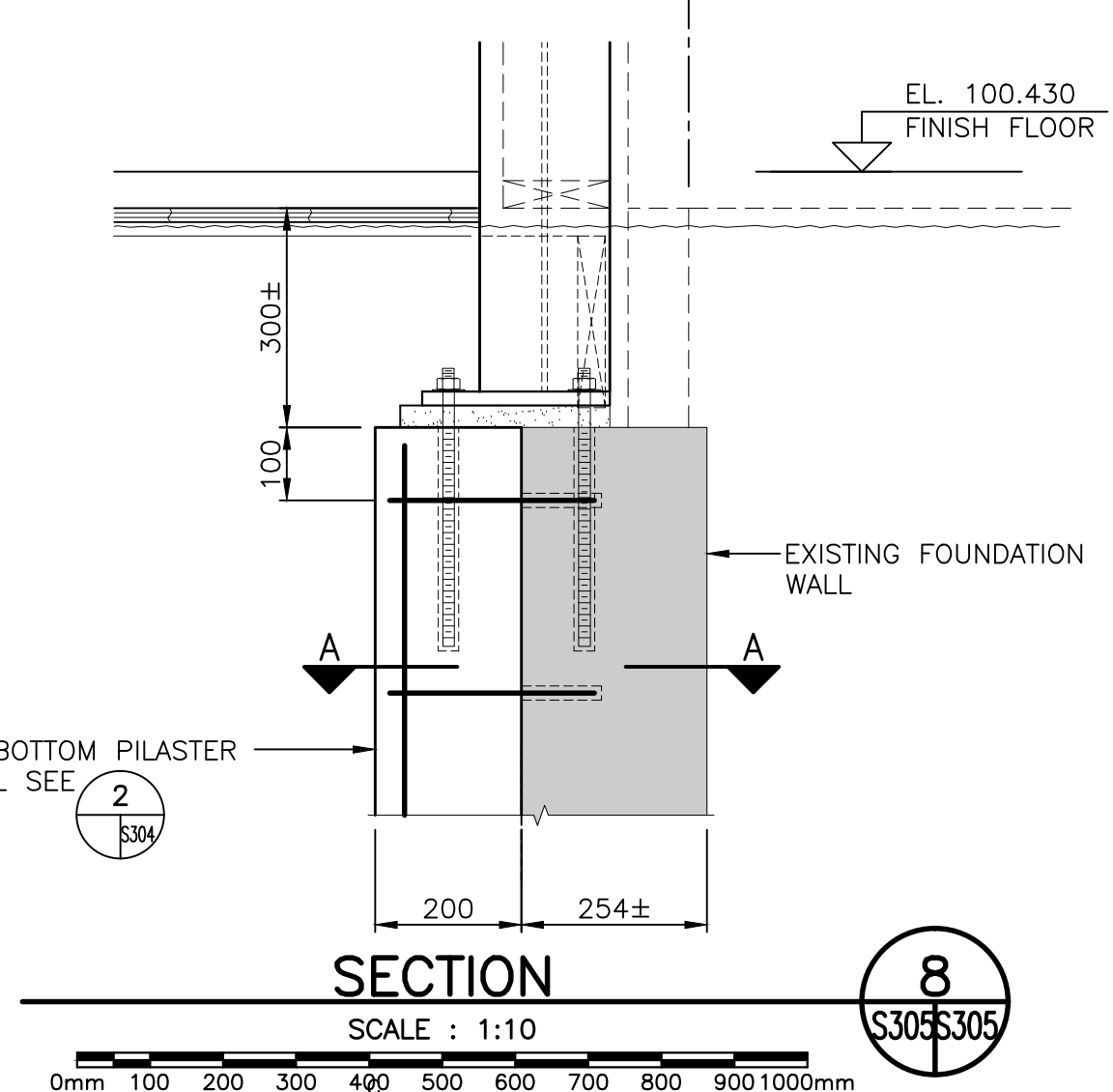
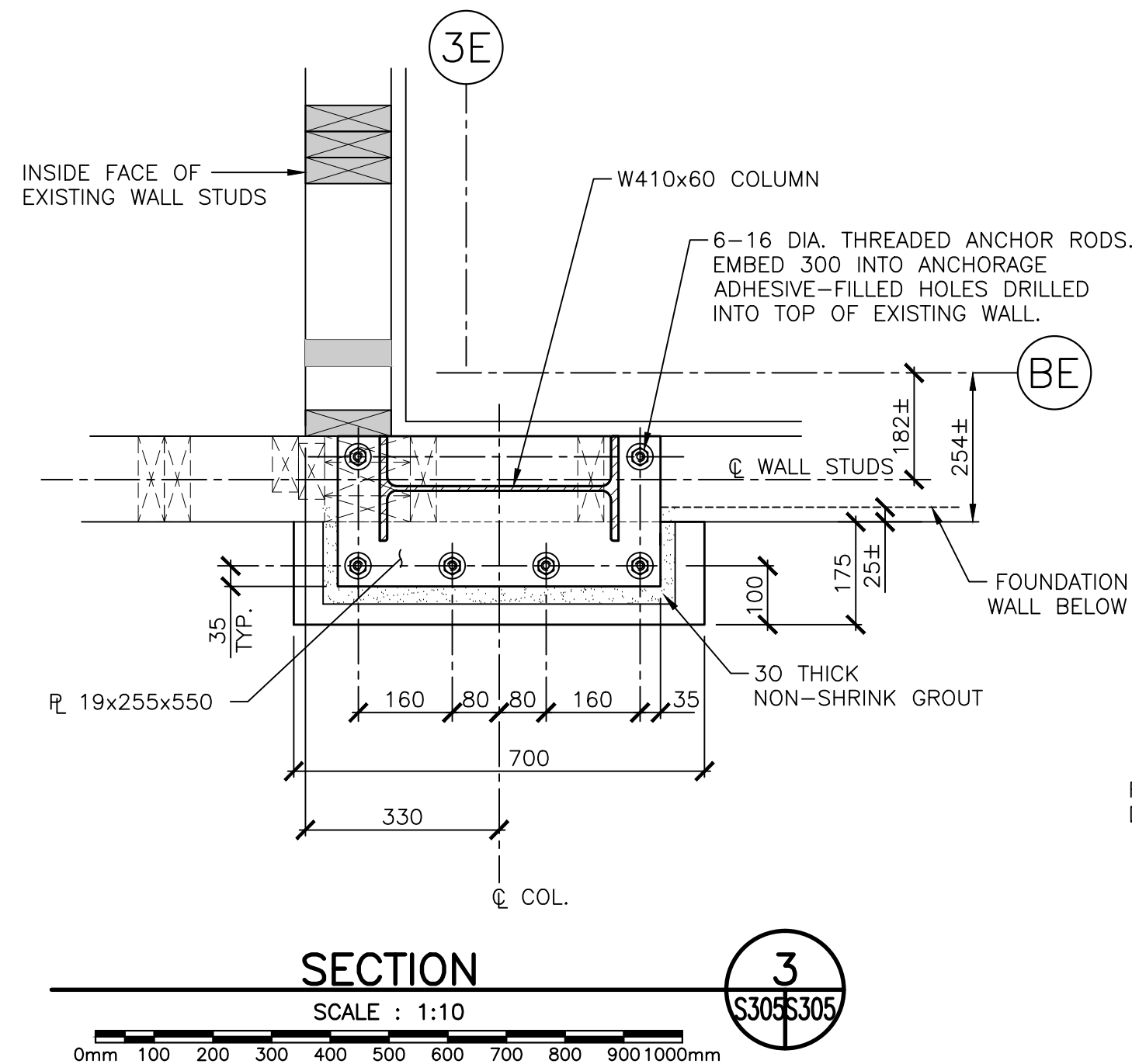
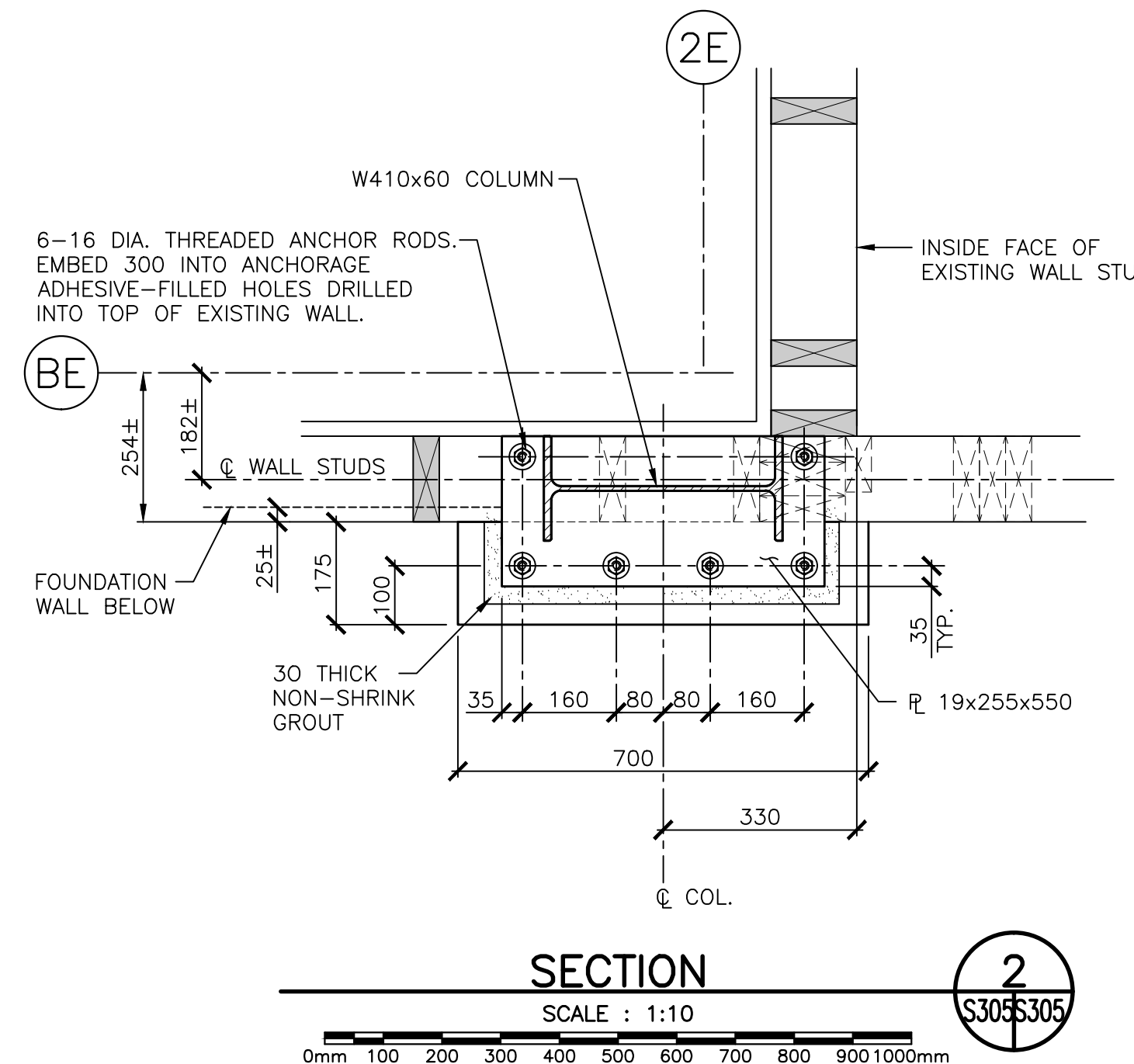
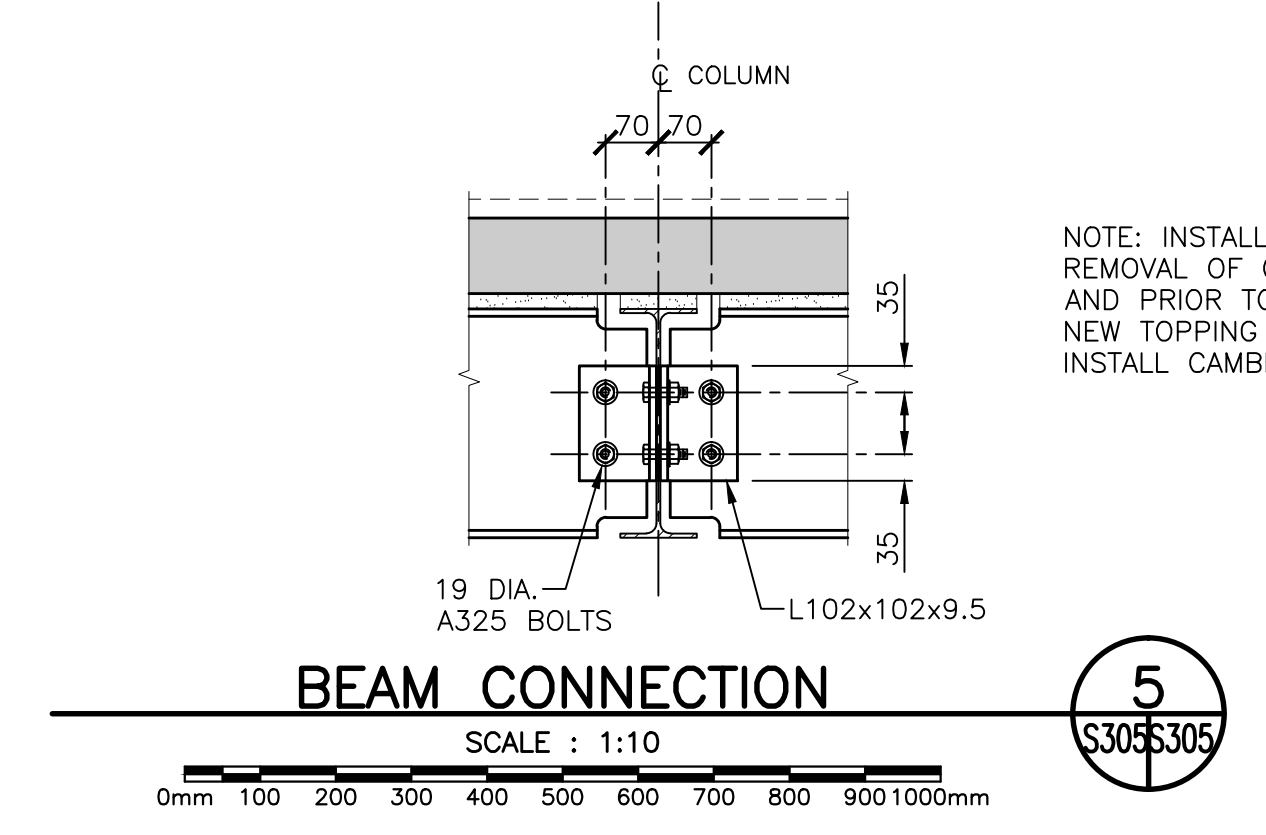
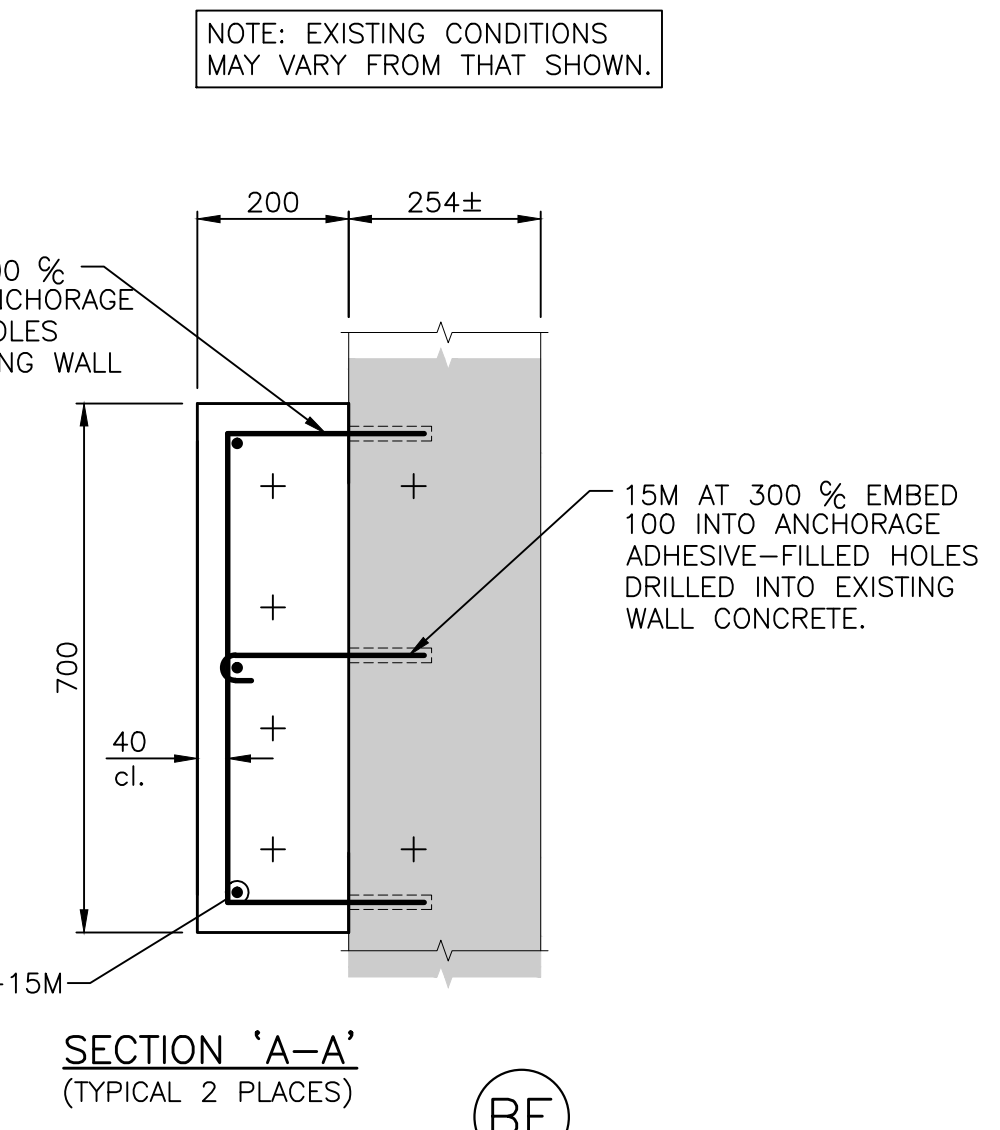
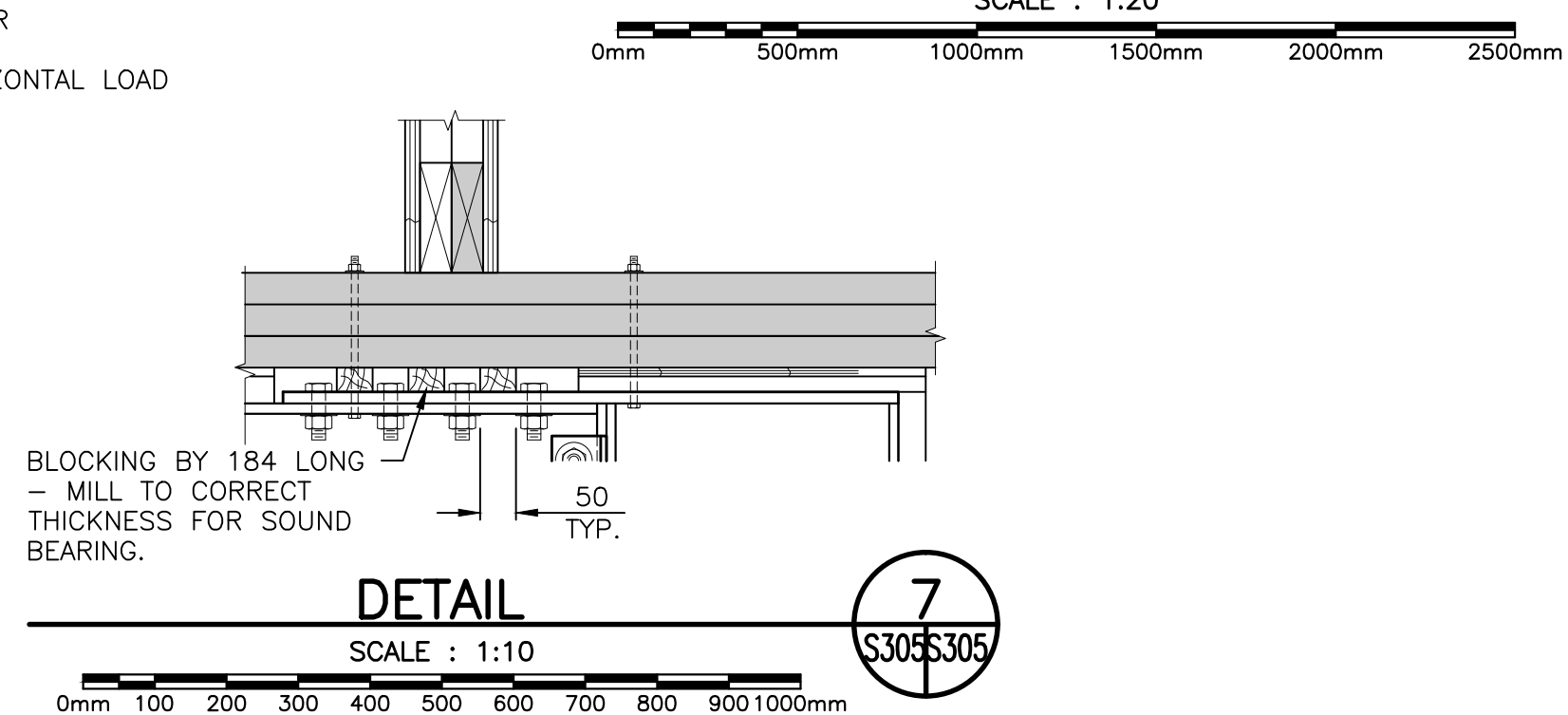
FWSC Project Manager Administrateur de projets TPSCG  
project number  
**R.022851.001**  
drawing no.  
**S-304**  
no. du projet  
no. du dessin





**LEGEND:**  
Mf = FACTORED MOMENT  
Vf = FACTORED SHEAR  
Pf = FACTORED HORIZONTAL LOAD

**ELEVATION AT STRUCTURAL WIND FRAME ADJACENT LINE 'BE'**  
SCALE: 1:20



00	ISSUED FOR TENDER	08/15 2014
revisions		date

project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**  
project

drawing  
**EXHIBIT HALL NORTH WALL WIND FRAME ELEVATION, SECTIONS AND DETAILS /SLAB INFILL ABOVE BASEMENT**  
design

designed RBV  
date JULY 2014  
drawn JG/RK  
date JULY 2014  
approved JSF  
date JULY 2014  
Tender Submission

PWSC Project Manager Administrateur de projets TPSCG  
project number  
**R.022851.001**  
no. du projet

drawing no.  
**S-305**  
no. du dessin





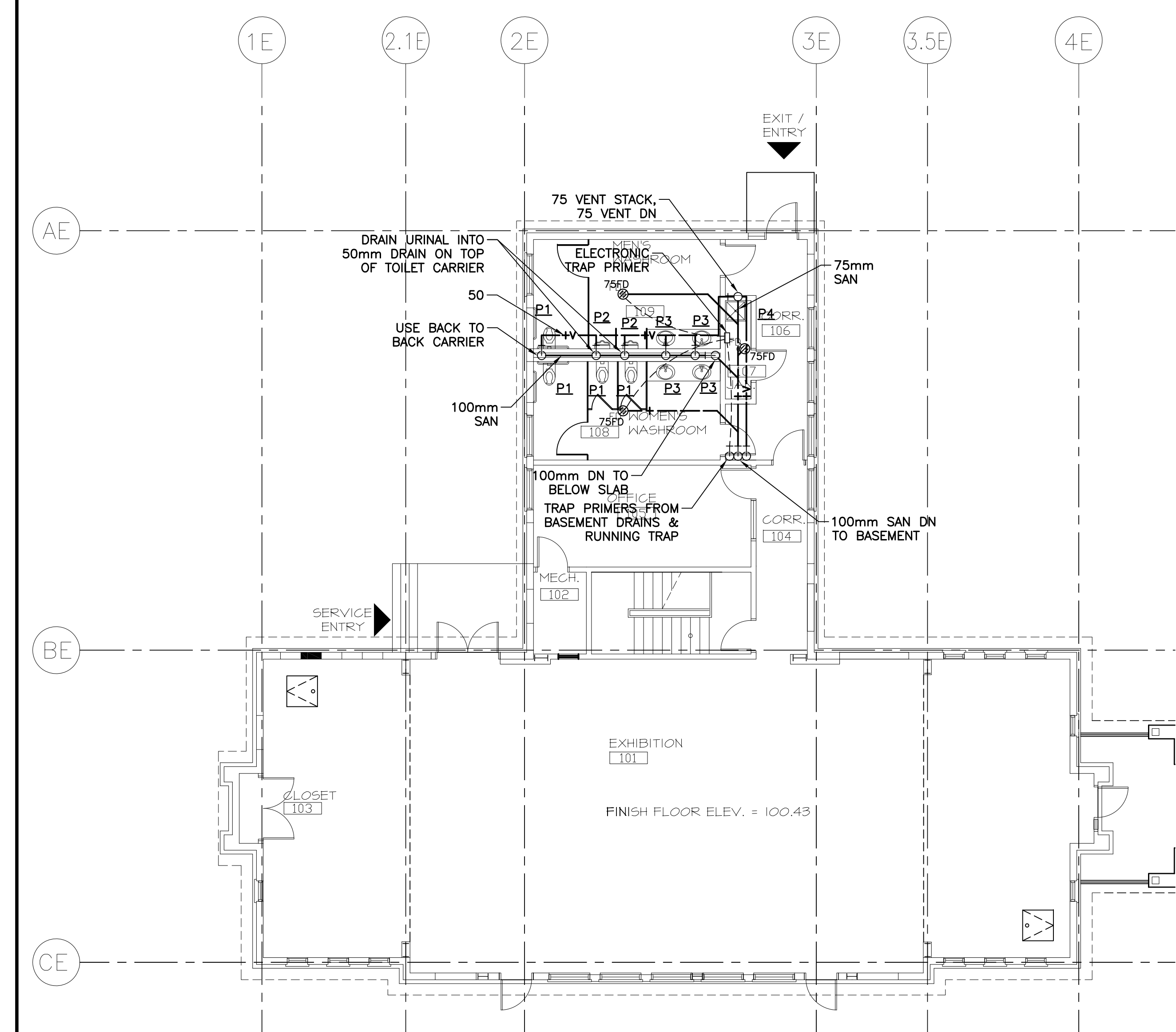
Crandall Engineering Ltd.  
1077 South St. George Blvd.  
Suite 400  
Moncton, N.B. Canada  
E1E 4E9  
Tel: (506) 857-2777  
Fax: (506) 857-3733

133 Prince William Street  
Suite 703  
Saint John, N.B. Canada  
E2L 3B5  
Tel: (506) 493-5893  
Fax: (506) 493-1526

CRANDALLENGINEERING.CA Job No. 14096

**LEGEND**

---+---	SANITARY PIPE
---V---	VENT PIPE
---+---+	STORM PIPE
---	COLD WATER PIPE
---	HOT WATER PIPE
---	HOT WATER RECIRC PIPE
---	RADIANT FLOOR PIPING
---HWR---	HOT WATER RETURN
---HWS---	HOT WATER SUPPLY
---PG---	PROPANE PIPING
---	TRAP PRIMER LINE
⊕	PUMP
⊗	THREE WAY VALVE
⊘	CHECK VALVE
⊙	BALANCING VALVE
⊚	BALL VALVE
⊕	UNION
⊖	CLEANOUT
⊖	NON-FREEZE HOSE BIBB
⊖	FLOOR DRAIN
⊖	FLOOR DRAIN
⊖	FUNNEL FLOOR DRAIN
⊖	HUB DRAIN

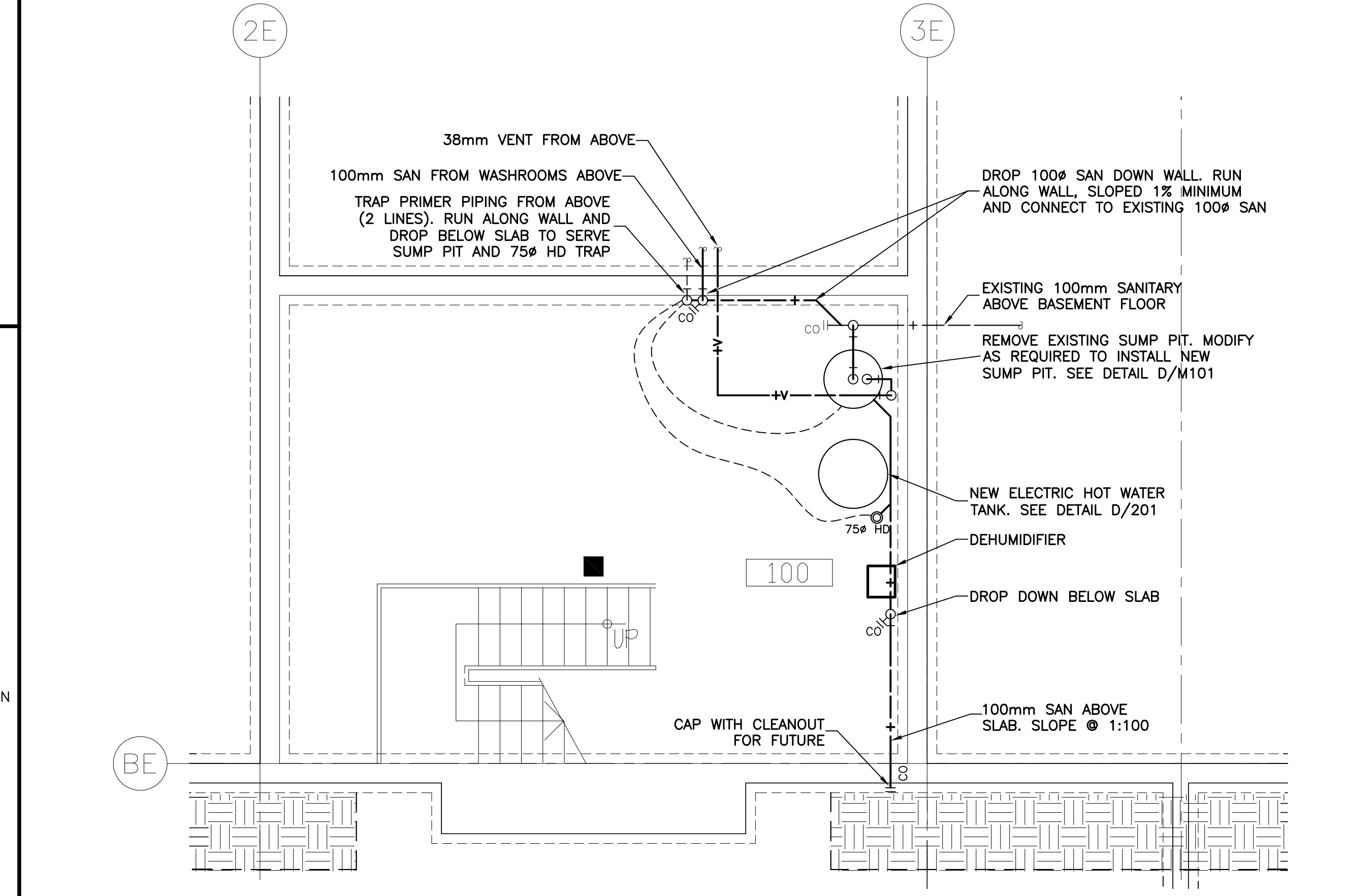


**A** GROUND FLOOR PLAN - SANITARY & VENT PIPING

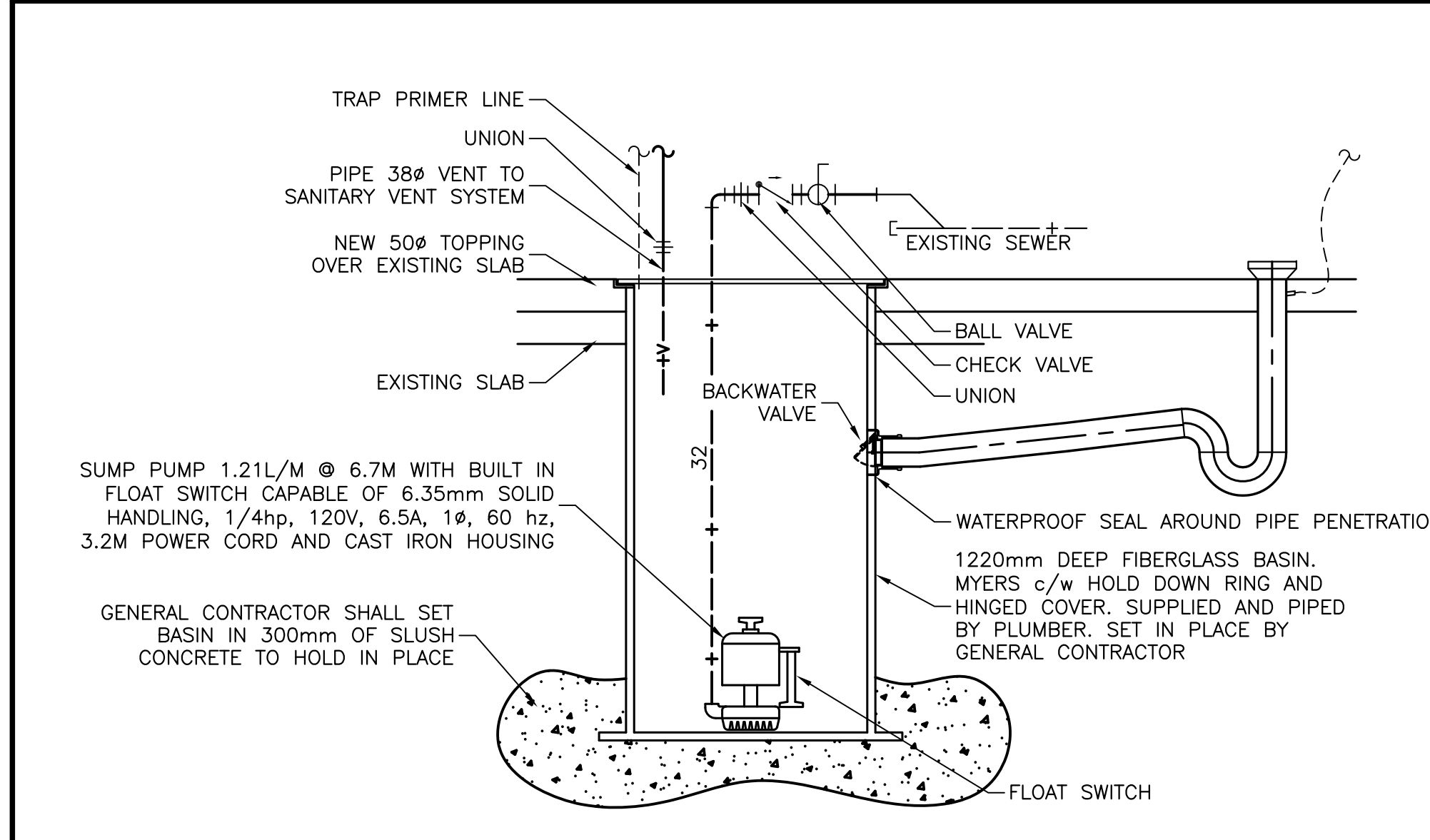
**NOTES:**

**GENERAL**

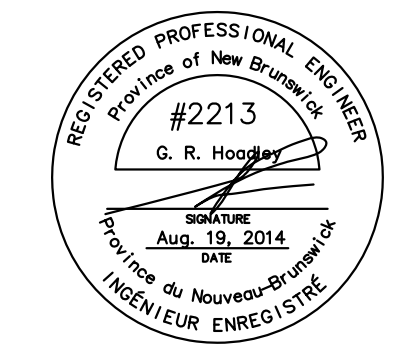
- ALL REDUNDANT AND ABANDONED PLUMBING PIPING AND ANCILLARIES SHALL BE REMOVED.
- THIS CONTRACTOR RESPONSIBLE FOR ALL CORE DRILLING TO ACCOMMODATE THIS WORK.
- ALL FLOOR CUTTING FOR NEW SUMP AND PIPING BY GENERAL CONTRACTOR.



**B** BASEMENT FLOOR PLAN - SANITARY & VENT PIPING



**C** SUMP PUMP DETAIL



00	ISSUED FOR TENDER	08/19/2014
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project: MULTI-PURPOSE BASE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK

drawing: STORM, SANITARY, VENT AND PROPANE PIPING - FLOOR PLANS AND DETAILS

designed SM	conçu
date AUG 2014	
drawn VT	dessiné
date AUG 2012	
approved GRH	approuvé
date AUG 2014	

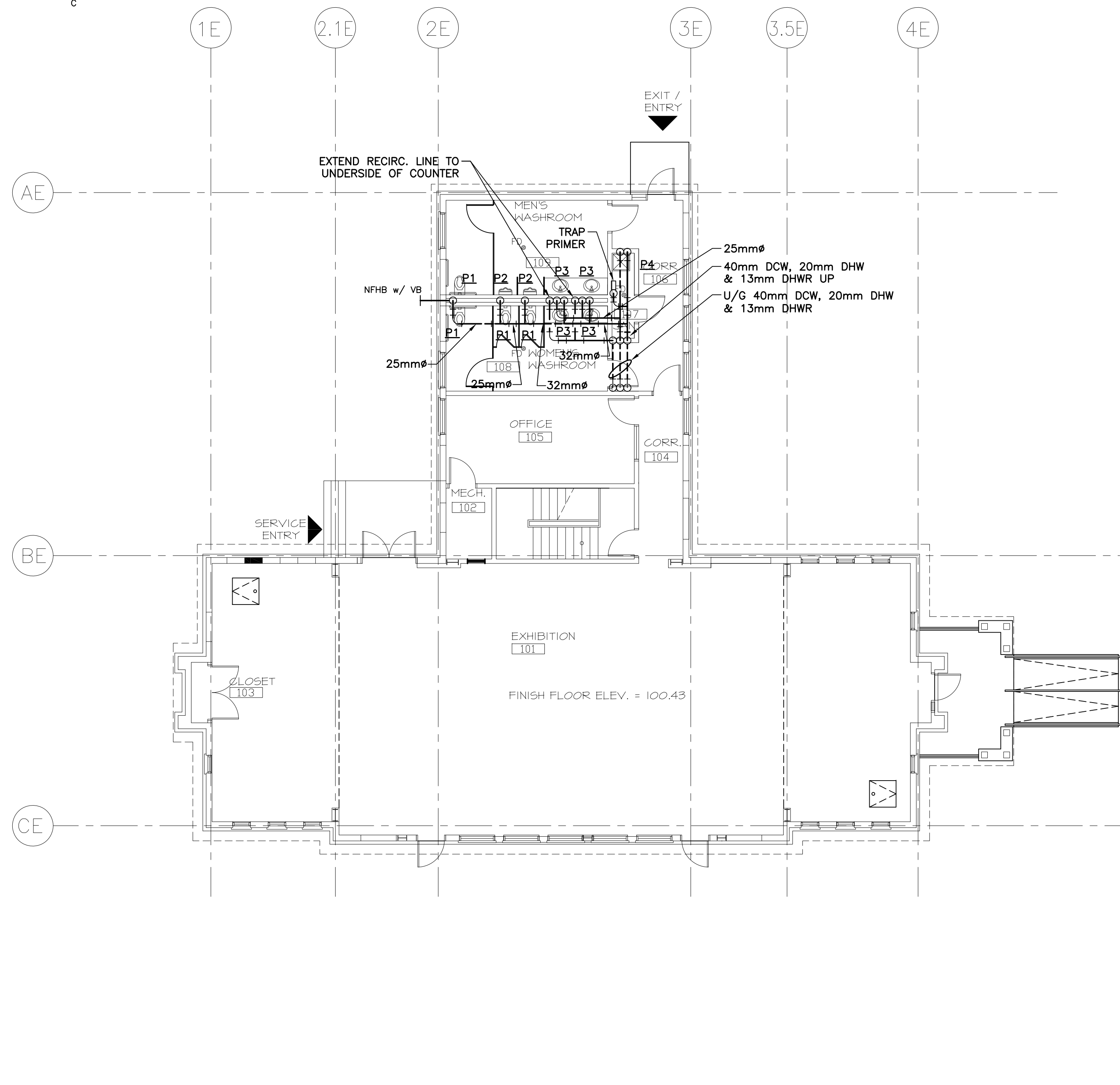
Tender: R.022851.001

drawing no. M-101



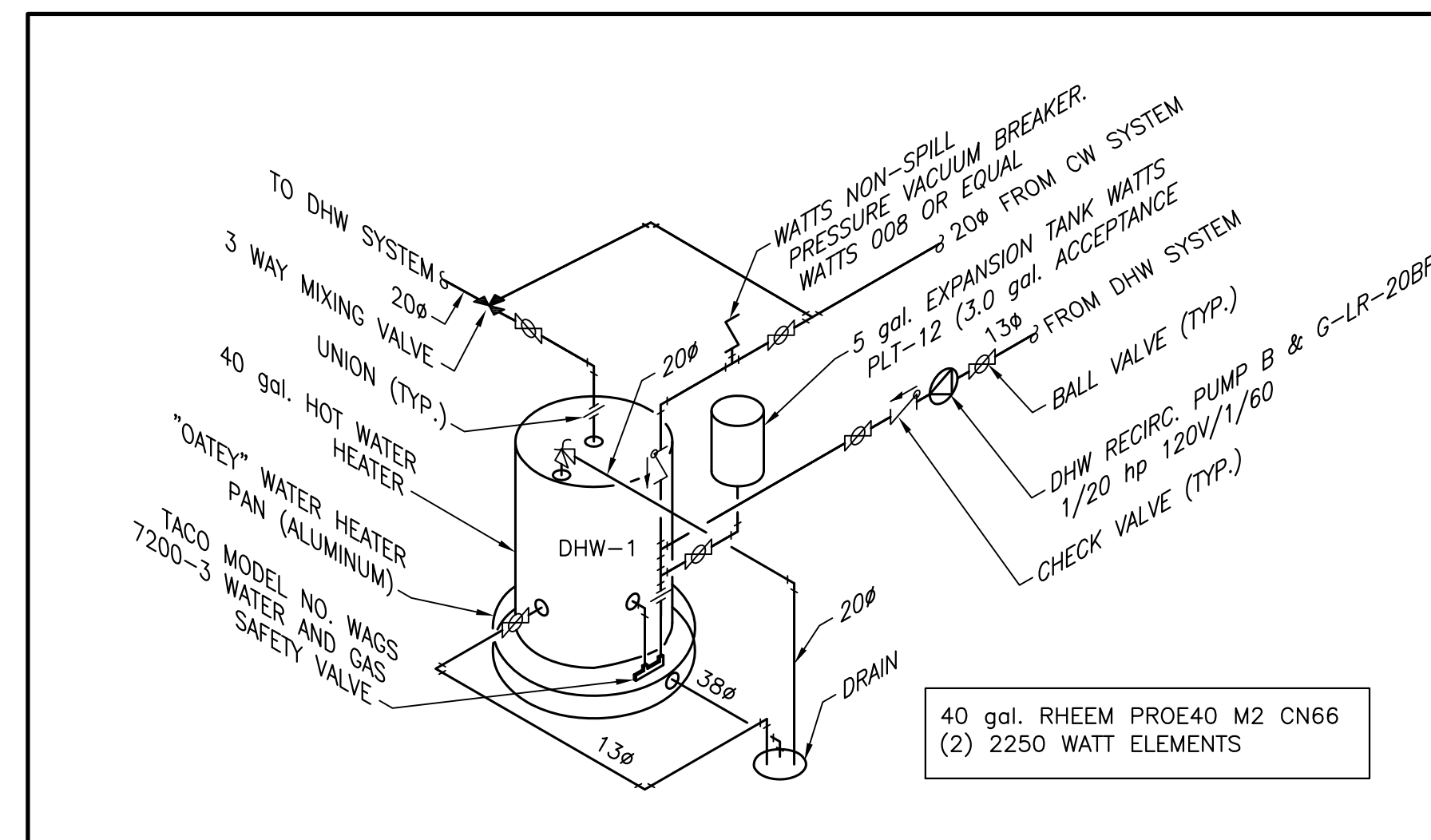
PLUMBING FIXTURE SCHEDULE									
No.	MANUFACTURER	STOPS	TRIM			PIPE SIZE			REMARKS
			SUPPLY	TRAP	CW	DHW	W	V	
P1	WATERCLOSET (AS) 2511-012	INTEGRAL	(D) 81T221HWADF	INTEGRAL	25	-	75	50	c/w WALL CARRIER & ELONGATED WHITE SEAT
P2	URINAL (AS) 6506-011	INTEGRAL	(D) 81T231HWA	INTEGRAL	20	-	50	40	c/w WALL HANGER
P3	BF COUNTER TOP SINK (AS) CADET 9494 001	(D) 47T2512	(D) 591T022	(D) 33T133	13	13	32	32	c/w LAV GUARDS, GRID STRAINER AND OFFSET TAIL PIECE
P4	JANITOR MOP BASIN (FI) MSB-2424	INTEGRAL	(FI) 830AA	PVC	13	13	50	40	c/w 889C, E-77-AA-1453BB, QDC, INSULATION BPD (RD) ON HOT & COLD WATER SUPPLY.

ALL STOPS TO BE c/w ESCUTCHEON PLATES. NO FIXTURE SUBSTITUTIONS. (AS) AMERICAN STANDARD, (McG) McGUIRE, (S) SLOAN, (JR) JR SMITH, (CF) CHICAGO FAUCETS, (A) ACORN, (F) FRANK, (FI) FIAT, (SW) STERN WILLIAMS, (D) DELTA, (BF) BARRIER FREE, (KO) KOHLER. ELECTRONIC FLUSH VALVE SUPPLIER SHALL PROVIDE ONE (D) 060771A TRANSFORMER FOR UP TO 10 ELECTRONIC VALVES (CLASS II 110 TO 24 VAC, 20VA). ELECTRICAL CONTRACTOR SHALL SUPPLY & INSTALL ALL WIRING, BOXES, ETC. FOR A COMPLETE INSTALLATION



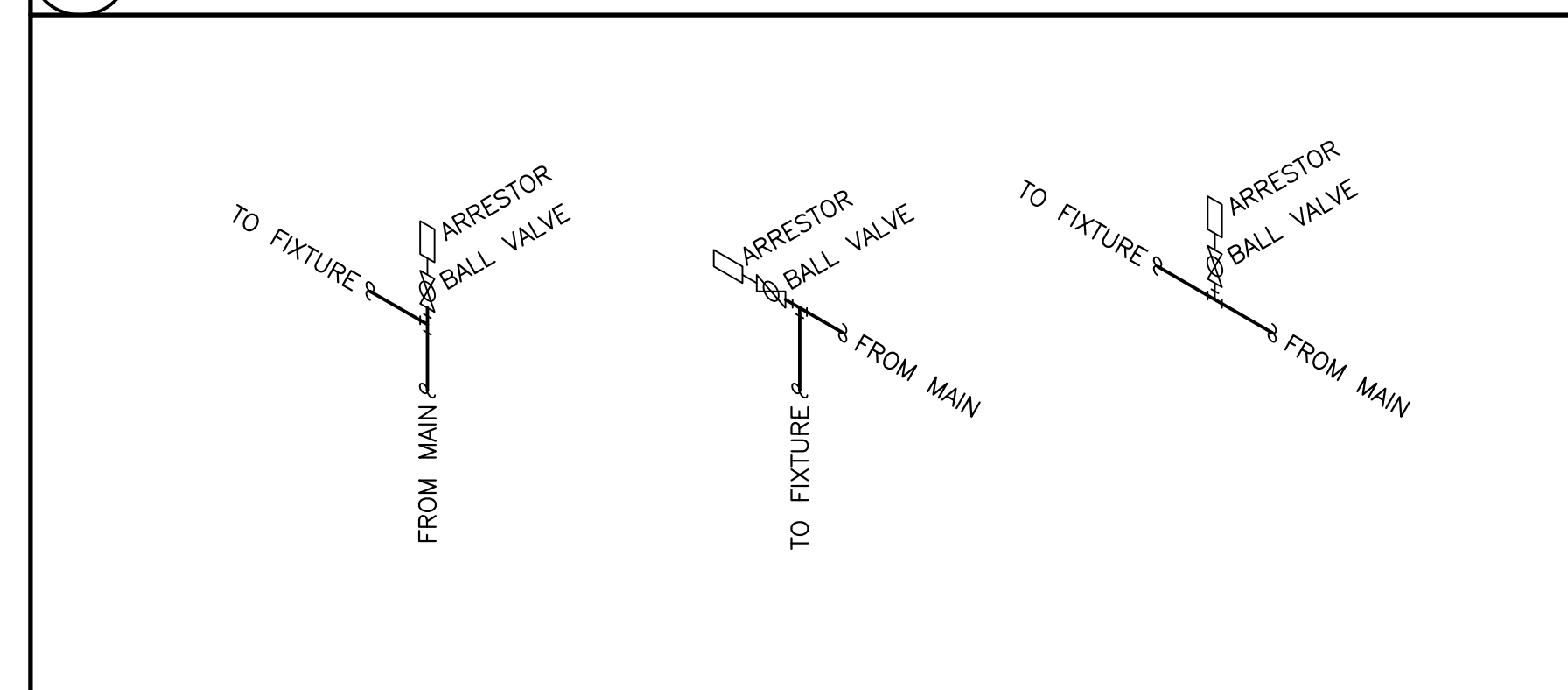
A M201 GROUND FLOOR PLAN - DOMESTIC WATER PIPING

SCALE : 1:100  
0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



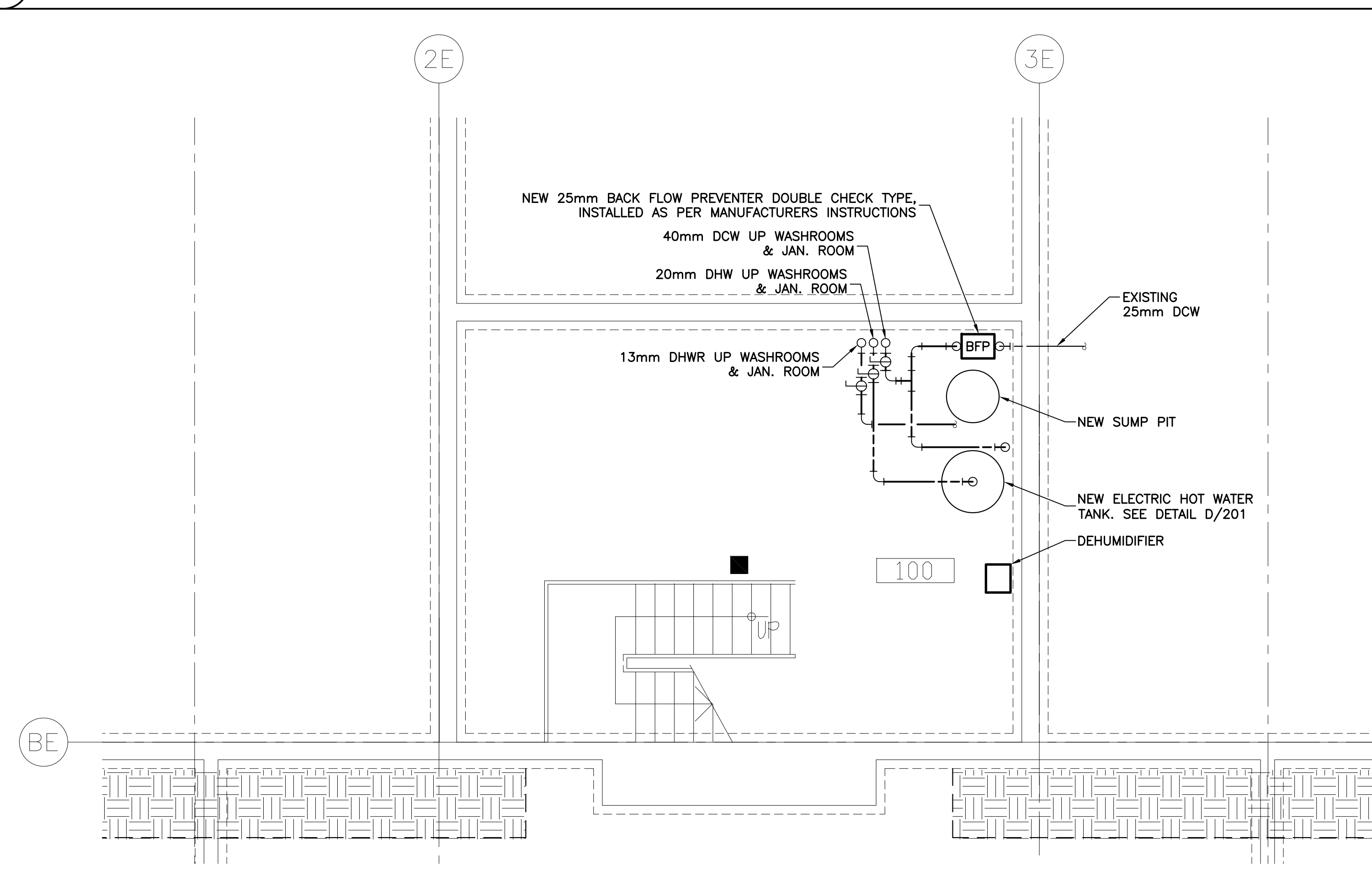
D M201 DHW HEATER DETAIL

SCALE : N.T.S.



C M201 WATER HAMMER ARRESTOR DETAIL

SCALE : N.T.S.



B M201 BASEMENT FLOOR PLAN - DOMESTIC WATER PIPING

SCALE : 1:50  
0m 1m 2m 3m 4m 5m



Crandall Engineering Ltd.  
1077 South St. George Blvd.  
Suite 400  
Moncton, N.B. Canada  
E1E 4E9  
Tel: (506) 857-2777  
Fax: (506) 857-2733

133 Prince William Street  
Suite 703  
Saint John, N.B. Canada  
E2L 3B5  
Tel: (506) 493-5899  
Fax: (506) 493-1526

CRANDALLENGINEERING.CA Job No. 14096

LEGEND

- +--- SANITARY PIPE
- V--- VENT PIPE
- ++--- STORM PIPE
- C--- COLD WATER PIPE
- H--- HOT WATER PIPE
- R--- HOT WATER RECIRC PIPE
- RF--- RADIANT FLOOR PIPING
- HR--- HOT WATER RETURN
- HS--- HOT WATER SUPPLY
- PG--- PROPANE PIPING
- TP--- TRAP PRIMER LINE
- ⊕ PUMP
- ⊗ THREE WAY VALVE
- ⊘ CHECK VALVE
- ⊙ BALANCING VALVE
- ⊙ BALL VALVE
- ⊙ UNION
- ⊙ CLEANOUT
- ⊙ NFHB NON-FREEZE HOSE BIBB
- ⊙ FD FLOOR DRAIN
- ⊙ FD FLOOR DRAIN
- ⊙ FFD FUNNEL FLOOR DRAIN
- ⊙ HD HUB DRAIN



00	ISSUED FOR TENDER	08/19/2014
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revisions	project	date
	MULTI-PURPOSE BASE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK	

DOMESTIC WATER PIPING - FLOOR PLANS AND DETAILS

designed SM	conçu
date AUG 2014	
drawn VT	dessiné
date AUG 2014	
approved GRH	approuvé
date AUG 2014	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.022851.001	
drawing no.	no. du dessin
M-201	



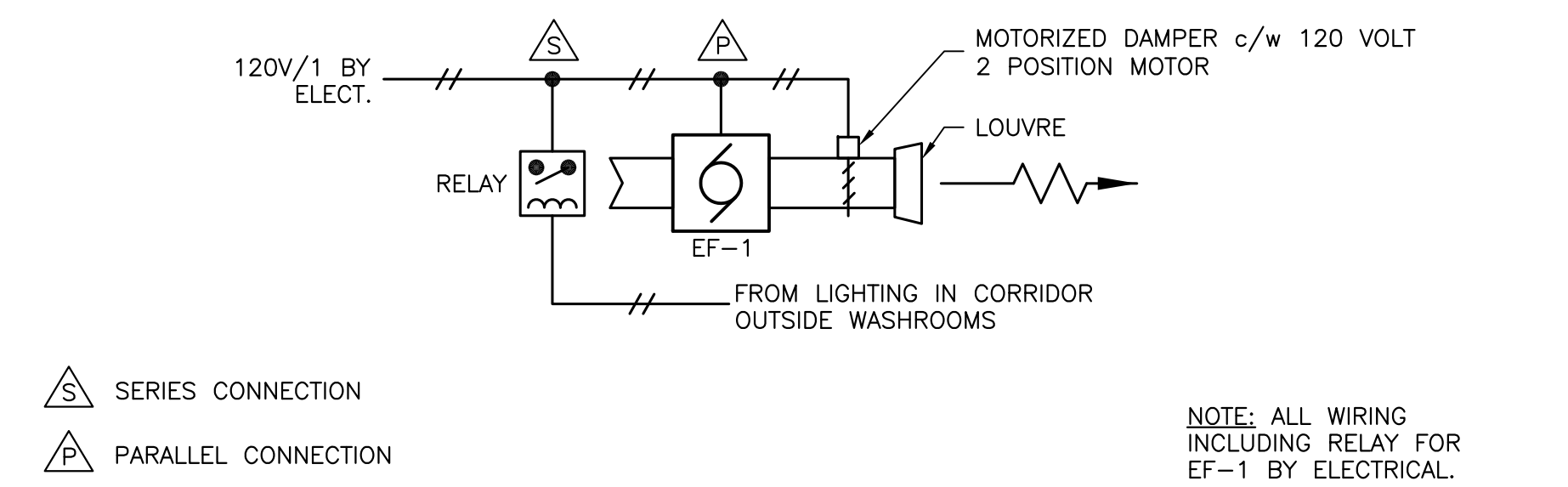
EXHAUST FAN SCHEDULE									
NO.	FAN TYPE	APPLICATION	L/S	SP (Po)	RPM	ELECTRIC			REMARKS
						W	V	PH	
EF-1	INLINE CABINET FAN	WASHROOM EXHAUST	325	62	1100	350	120	1	DS, VI, FC

BS - BIRD SCREEN MD - MOTORIZED DAMPER VI - VIBRATION ISOLATORS BDD - BACK DRAFT DAMPER  
 DS - DISCONNECT WC - WALL CAP FC - FLEXIBLE CONNECTION

DIFFUSER GRILLE SCHEDULE							
NO.	TYPE	SERVICE	L/S RANGE	NECK SIZE	THROW m	PATTERN	REMARKS
Q	GRID FACE SURFACE MOUNT	EXHAUST	0-80	200x200	-	z	E.H.PRICE 200x200 80D/F/L/A/B12
R	LOUVERED FACE SIDE WALL	RETURN	0-760	810x760	-	14	E.H.PRICE 810x760 530/F/L/A/B12

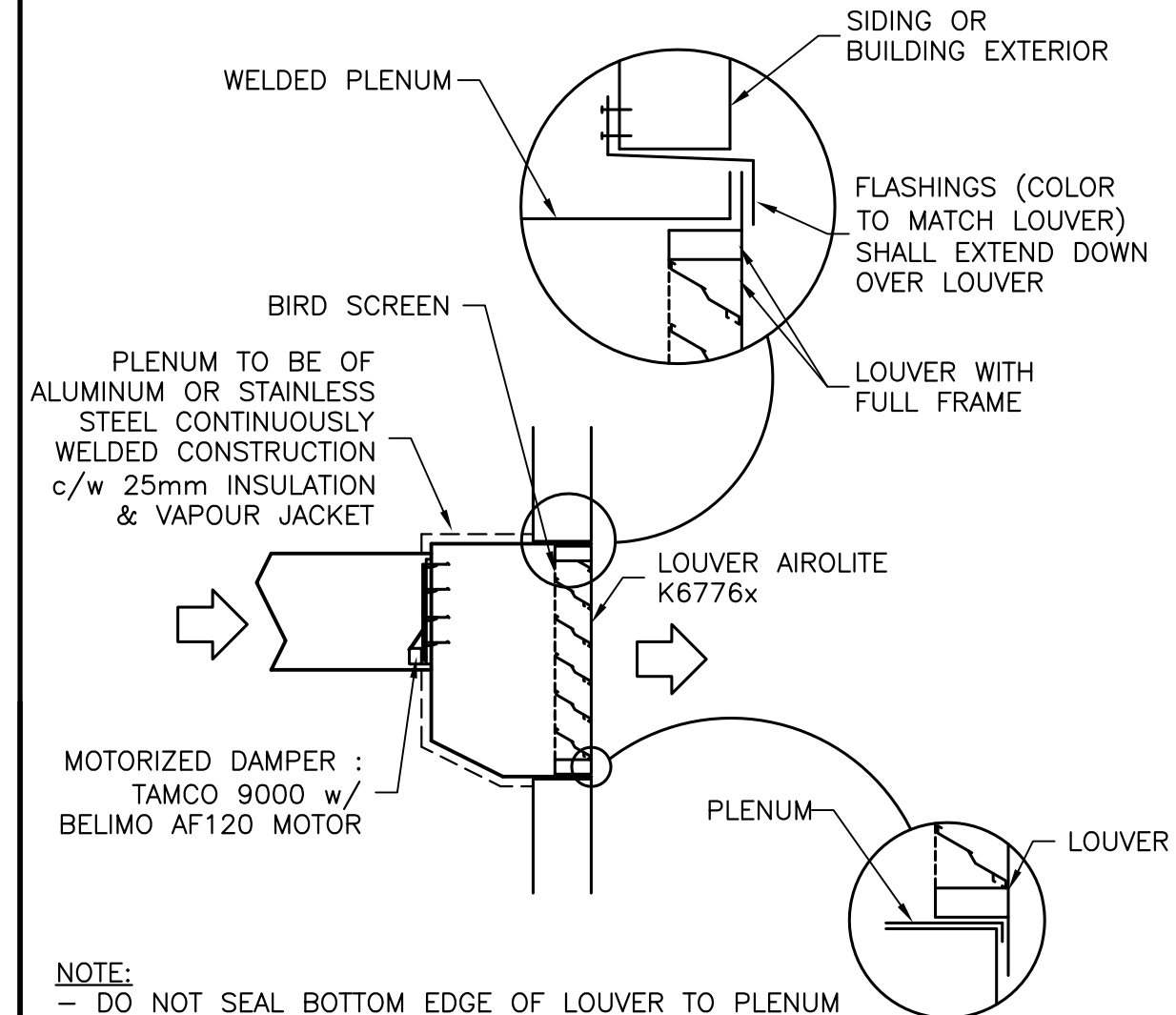
NOTE: DIFFUSERS & GRILLES MOUNTED IN DRYWALL CEILINGS & WALLS TO BE c/w PLASTER FRAMES & ASSOCIATED MOUNTING HARDWARE

AIR HANDLER SCHEDULE												
NO.	MANUFACTURER MODEL	L/S	SUPPLY FAN		HTG. MBH		ELECTRICAL				REMARKS	
			EXT. SP (IN. WG)	RPM	HP	INPUT	OUTPUT	V	PH	TUA		MOP
AH-1	YORK YP9C080C16MP12C	755	-	-	3/4	80	78	-	1	10	15	c/w DOWN FLOW OPTION, THERMOSTAT WITH REMOTE SENSOR, FILTER SECTION, PROPANE CONVERSION, CONDENSATE, NEUTRALIZING KIT AND 75# CONCENTRIC VENT TERMINATION.



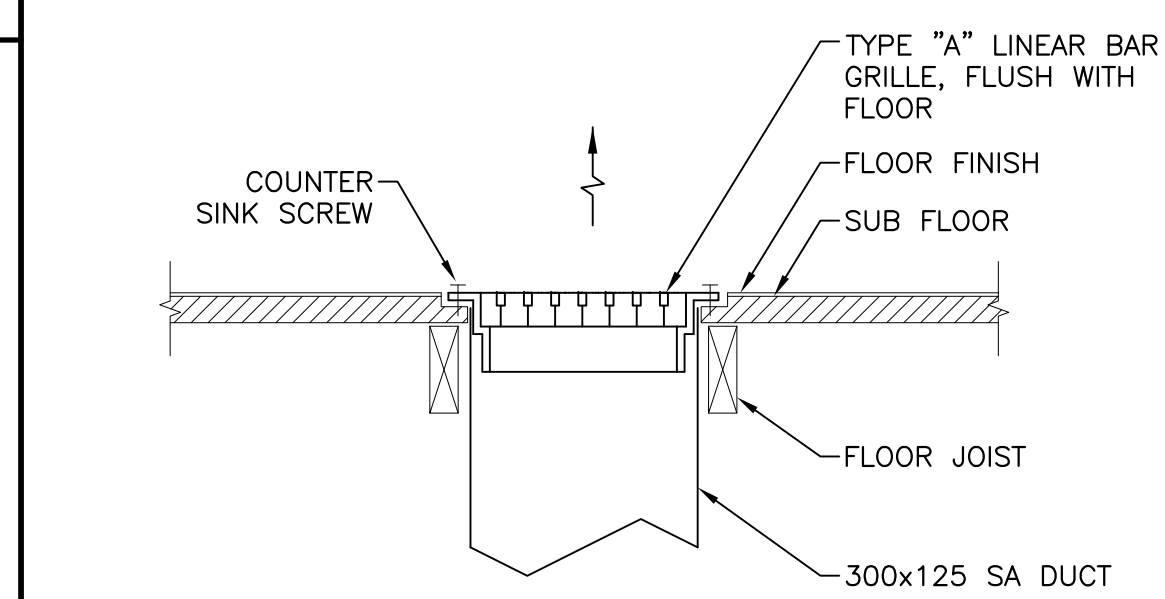
**A** M301 EF-1 CONTROL DIAGRAM

SCALE: N.T.S.



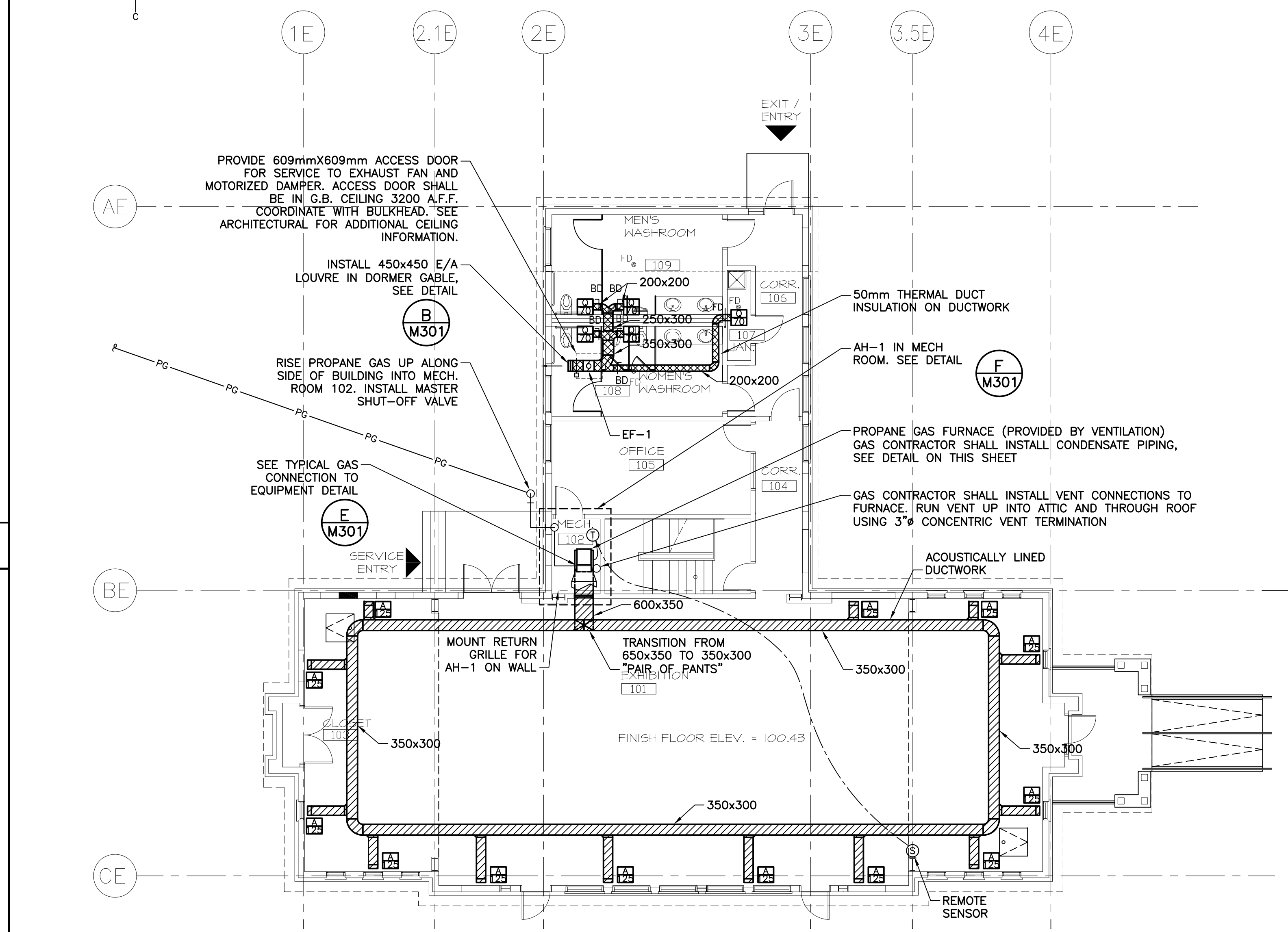
**B** M301 TYP. DUCTED WALL LOUVER DETAIL

SCALE: N.T.S.



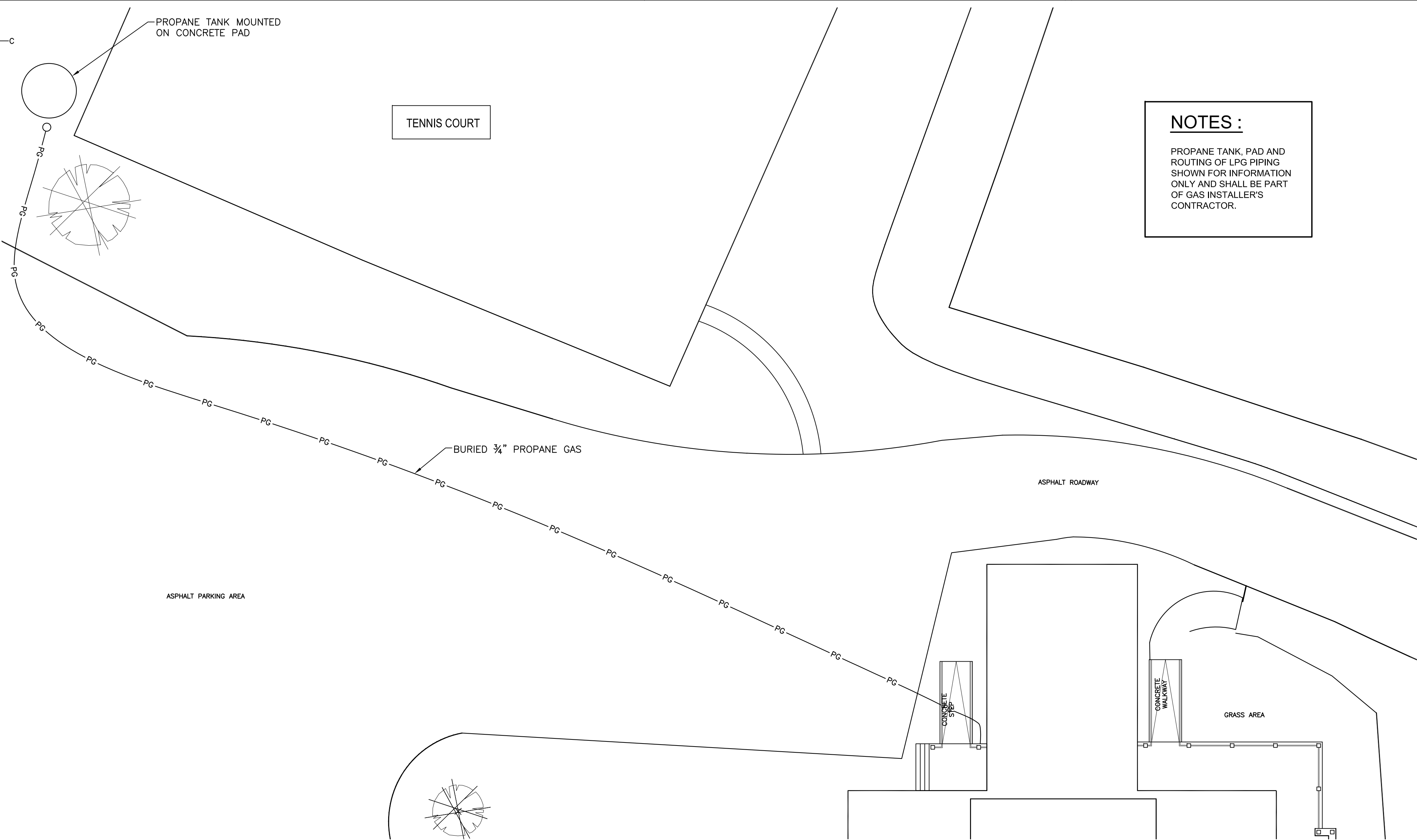
**C** M301 FLOOR GRILLE DETAIL

SCALE: N.T.S.



**D** M301 GROUND FLOOR PLAN - VENTILATION

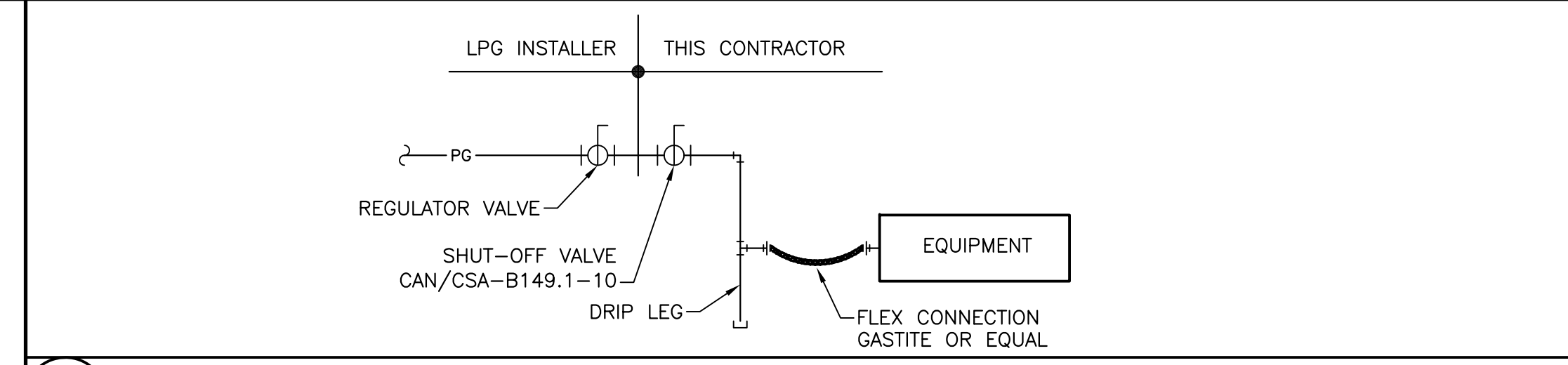
SCALE: 1:100



**G** M301 SITE PLAN - PROPANE SERVICE

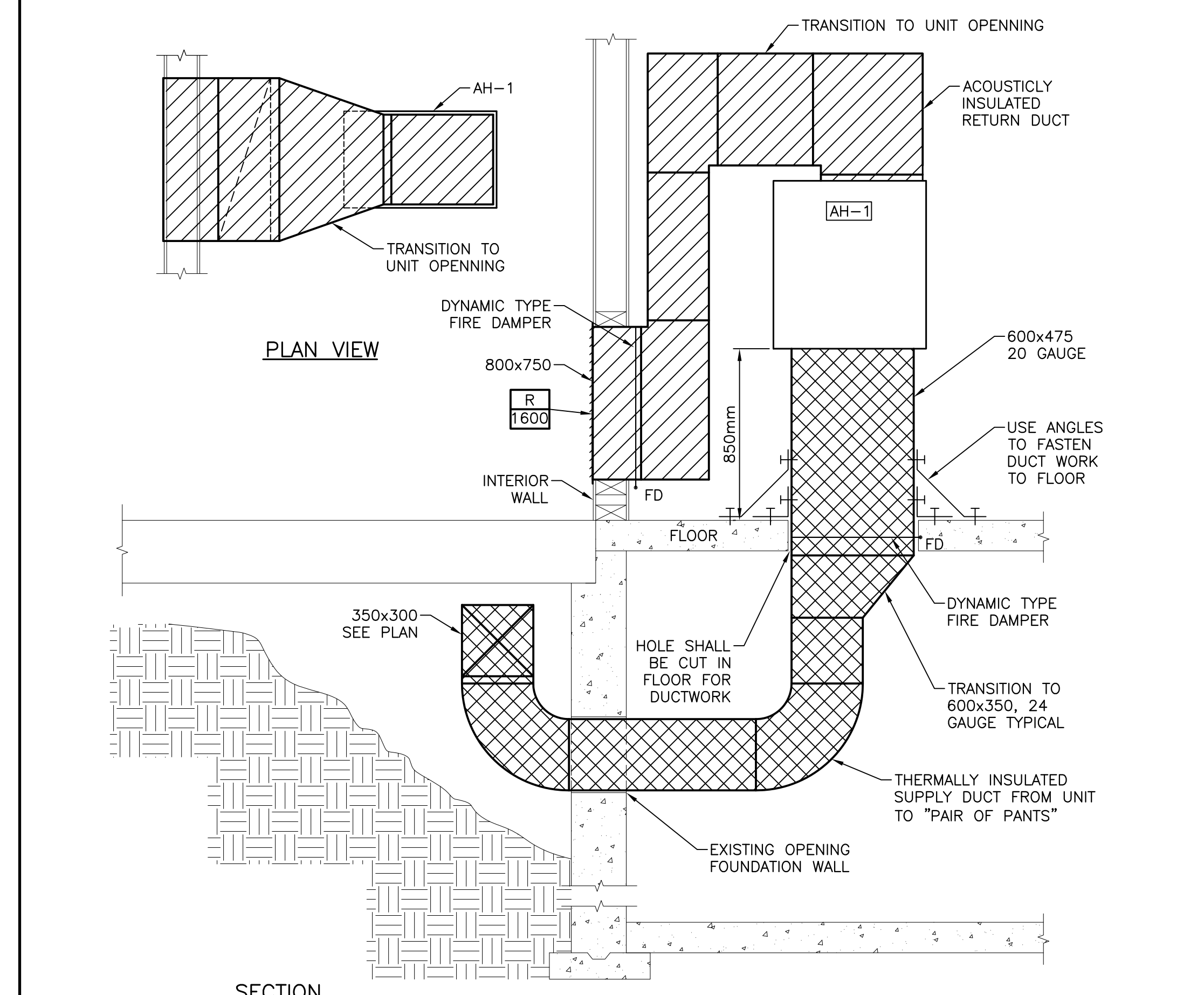
PWSC B1 (2004)

SCALE: 1:150



**E** M301 TYPICAL GAS CONNECTION TO EQUIPMENT

SCALE: N.T.S.



**F** M301 VENTILATION DETAIL

SCALE: N.T.S.

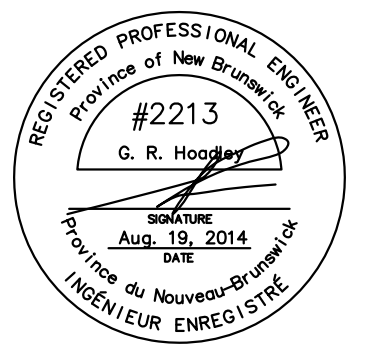


Crandall Engineering Ltd.  
 1077 South St. George Blvd.  
 Suite 400  
 Moncton, N.B. Canada  
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133 Prince William Street  
 Suite 703  
 Saint John, N.B. Canada  
 E2L 3B5  
 Tel: (506) 493-5893  
 Fax: (506) 493-3236

CRANDALLENGINEERING.CA Job No. 14096

- LEGEND:**
- DUCT WITH 50mm THICK INSULATION AND VAPOUR BARRIER
  - NEW DIFFUSER/GRILLE
  - THERMOSTAT - HEATING
  - IONIZATION/SMOKE SENSOR
  - FIRE DAMPER



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revisions		date

project  
**MULTI-PURPOSE BASE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

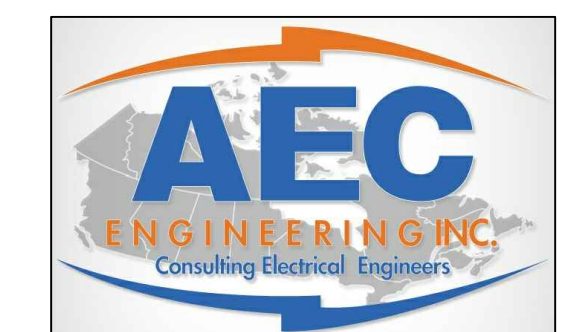
drawing  
**VENTILATION - FLOOR PLAN AND DETAILS**

designed SM	conçu
date AUG 2014	
drawn VT	dessiné
date AUG 2014	
approved GRH	approuvé
date AUG 2014	
Tender	Soumission

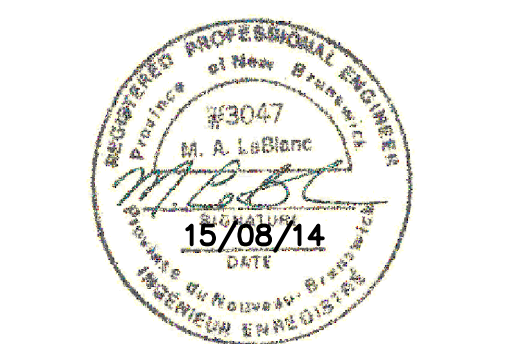
PWSC Project Manager Administrateur de projets TPSC  
 project number no. du projet  
**R.022851.001**

drawing no. no. du dessin  
**M-301**





Phone: (506) 856-6982  
 Fax: (506) 383-7385  
 email: aeceng@aeceng.ca



00	ISSUED FOR TENDER	08/15/2014
revisions		date

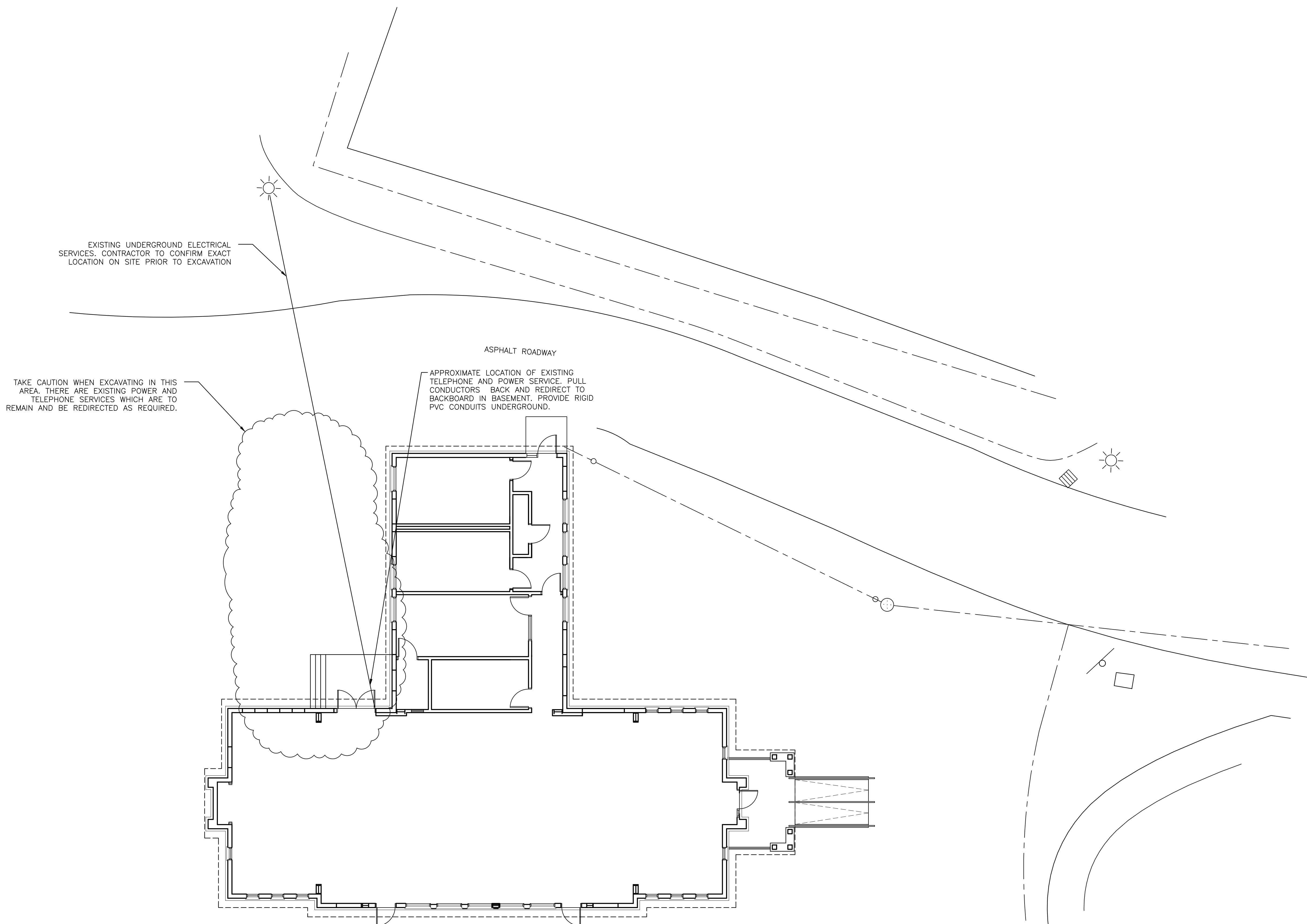
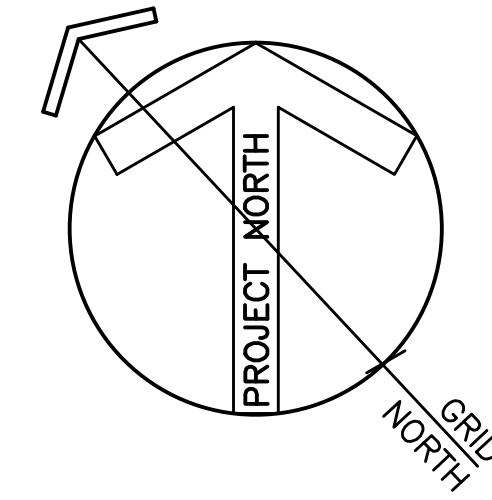
project / projet  
**MULTI-PURPOSE BUILDING RENOVATION  
 FUNDY NATIONAL PARK  
 ALMA, NEW BRUNSWICK**

drawing / dessin  
**ELECTRICAL  
 SITE PLAN**

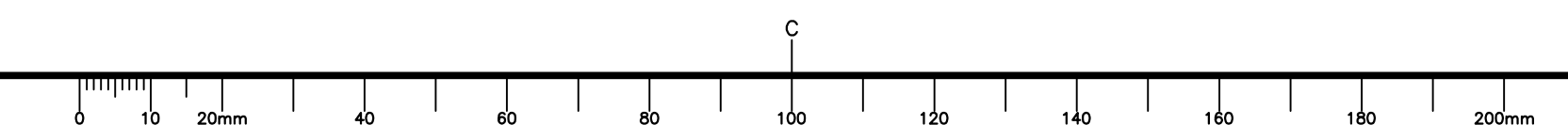
designed / conçu	KMR
date	AUGUST 2014
drawn / dessiné	MML
date	AUGUST 2014
approved / approuvé	MAL
date	AUGUST 2014
Tender / Soumission	

PWSC Project Manager / Administrateur de projets TPSGC  
 project number / no. du projet  
**R.022851.001**

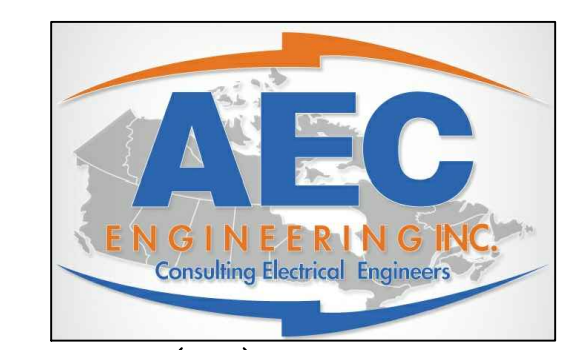
drawing no. / no. du dessin  
**E-100**



SCALE : 1:100  
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m







Phone: (506) 856-6982  
 Fax: (506) 383-7385  
 email: aeceeng@aeceeng.ca



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project **MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK** projet

drawing **BASEMENT AND GROUND FLOOR PLANS ELECTRICAL - LIGHTING** dessin

designed **KMR** conçu

date **AUGUST 2014** date

drawn **MML** dessiné

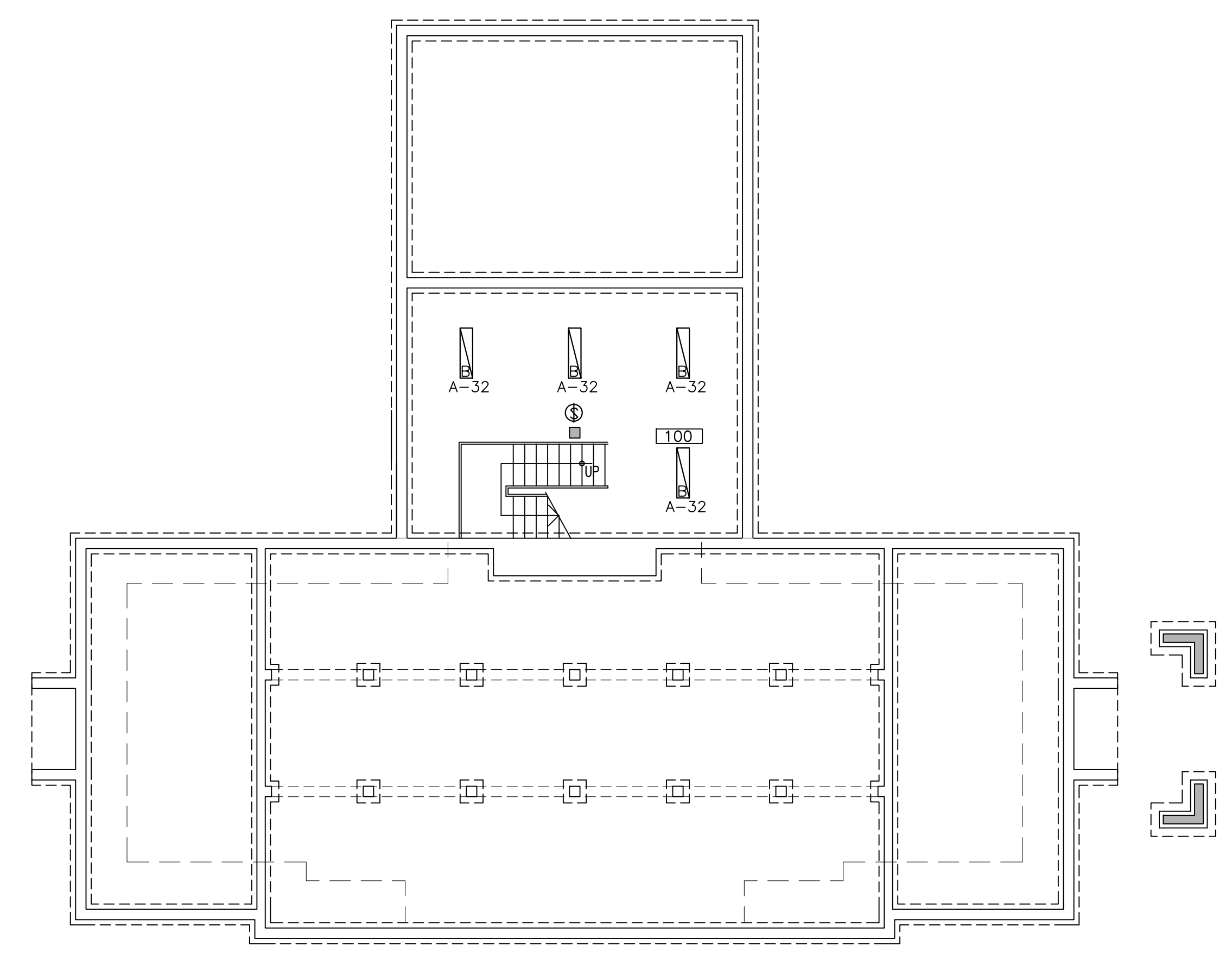
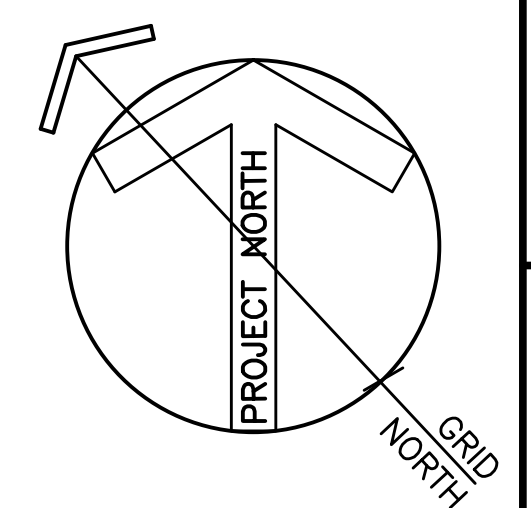
date **AUGUST 2014** date

approved **MAL** approuvé

date **AUGUST 2014** date

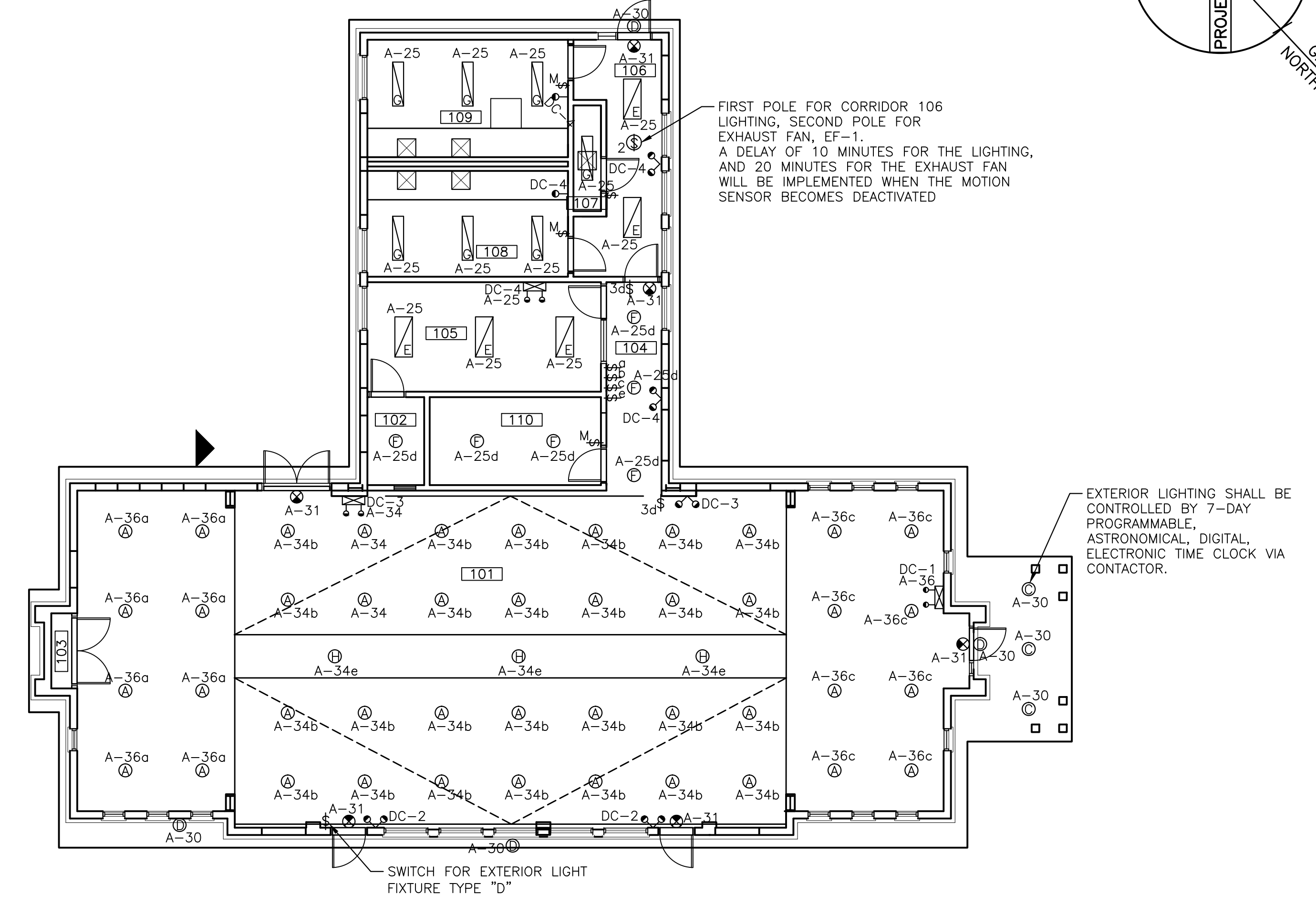
Tender / Soumission

PWSC Project Manager / Administrateur de projets TPSC  
 project number **R.022851.001** no. du projet  
 drawing no. **E-101** no. du dessin  
 E-DRM/GDD-E: 400931



FOUNDATION PLAN - ELECTRICAL LIGHTING

SCALE : 1:100  
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m



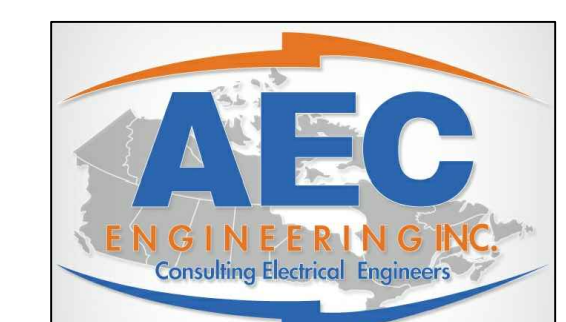
GROUND FLOOR PLAN - ELECTRICAL LIGHTING

SCALE : 1:100  
 0m 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m

LIGHTING LEGEND	
	CEILING MOUNTED POT LIGHT OR WALL MOUNTED LIGHT FIXTURE. SEE FIXTURE SCHEDULE
	CEILING MOUNTED FLUORESCENT LIGHT FIXTURE. SEE FIXTURE SCHEDULE
	CEILING OR WALL MOUNTED EXIT SIGN
	EMERGENCY LIGHTING BATTERY UNIT WITH TWO HEADS
	WALL OR CEILING MOUNTED EMERGENCY LIGHTING REMOTE FIXTURES. NUMBER OF HEADS AS INDICATED ON DRAWINGS
	SINGLE POLE TOGGLE SWITCH WITH ONE, TWO, OR THREE GANG COVER PLATE. "M" DENOTES MOTION SENSOR "D" DENOTES DIMMING CAPABILITIES
	SWITCHES AS ABOVE. SUBSCRIPT DENOTES 2 POLES, 2-WAY, 3-WAY, OR 4-WAY
	CIRCUIT #1 IN PANEL 'A'
	CEILING MOUNTED MOTION ACTIVATED LIGHT SWITCH "2" DENOTES 2-POLE SENSOR PROVIDE ALL POWER PACKS AS NECESSARY, RATINGS AS REQUIRED.

FIXTURE SCHEDULE			
FIXTURE	MANUFACTURER	DESCRIPTION	LAMP
A	PORTFOLIO LD615-ERW6/HSAG	6" LED RECESSED WIDE BEAM DOWNLIGHT POT LIGHT. C/W SLOPE ADAPTER WHERE NECESSARY.	24.4W LED
B	METALUX DIM-232-120V-ER8	1x4 INDUSTRIAL FLUORESCENT FIXTURE SUITABLE FOR T-BAR MOUNTING. RAPID START ELECTRONIC BALLAST, LESS THAN 10% THD, C/W REFLECTORS	2x F32 TB
C	LIGHTOLIER C750MHE1	RECESSED FRESNEL SOFFIT METAL HALIDE FIXTURE. HIGH POWER FACTOR ELECTRONIC BALLAST.	50W ED17 MH.
D	LIGHTOLIER GS2D103MA	WALL MOUNTED WALL PACK. HIGH POWER FACTOR ELECTRONIC BALLAST. CONFIRM MOUNTING HEIGHT ON SITE WITH ARCHITECT PRIOR TO ROUGH IN.	100W ED17 MH.
E	METALUX 2M-232A-120V-ER8	2x4 SURFACE MOUNTED FLUORESCENT. ELECTRONIC RAPID START BALLAST LESS THAN 10% THD. SUITABLE FOR DRYWALL MOUNTING	2x F32TB
F	PORTFOLIO LD413	4" LED RECESSED MEDIUM BEAM DOWNLIGHT POT LIGHT	24.4W LED
G	METALUX WB-232A-120V-ER8	1x4 SURFACE MOUNTED WRAP FIXTURE. ELECTRONIC DIMMING BALLAST LESS THAN 10% THD.	2x F32TB
H	SHAPER 420-CFL/4/32	SOLID ALUMINUM ART DECO RINGED BAFFLE PENDANT, CEILING SUSPENDED. WHITE CUBE CELL LOUVER. MINIMUM SUSPENSION HEIGHT OF 18". HIGH POWER FACTOR ELECTRONIC BALLAST.	4x 32W CFL
J	CORELITE HWS2TB-1C-SUWA-4'	4' WALL MOUNTED INDIRECT LINEAR FLUORESCENT LUMINAIRE. HIGH POWER FACTOR RAPID START ELECTRONIC BALLAST, LESS THAN 10% THD.	2x F32 TB
	LUXNET QL SERIES REMOTE HEADS:R9 Q-LITE	EMERGENCY LIGHTING UNIT, STEEL CABINET POLYCARBONATE LENS, WHITE FINISH, 200 WATT CAPACITY AT 12 VOLT. 120/347 VOLT INPUT.	2X20W
	LUXNET ES SERIES OR EQUAL	THINLINE LED EXIT LIGHT, STEEL HOUSING, MOUNTING AS REQUIRED, 12 VOLT EMERGENCY CIRCUIT, RED LETTERS, 120/347 VOLT. TO READ EXIT/SORTIE.	3.9W LED





Phone: (506) 856-6982  
 Fax: (506) 383-7385  
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project  
**MULTI-PURPOSE BUILDING RENOVATION FUNDY NATIONAL PARK ALMA, NEW BRUNSWICK**

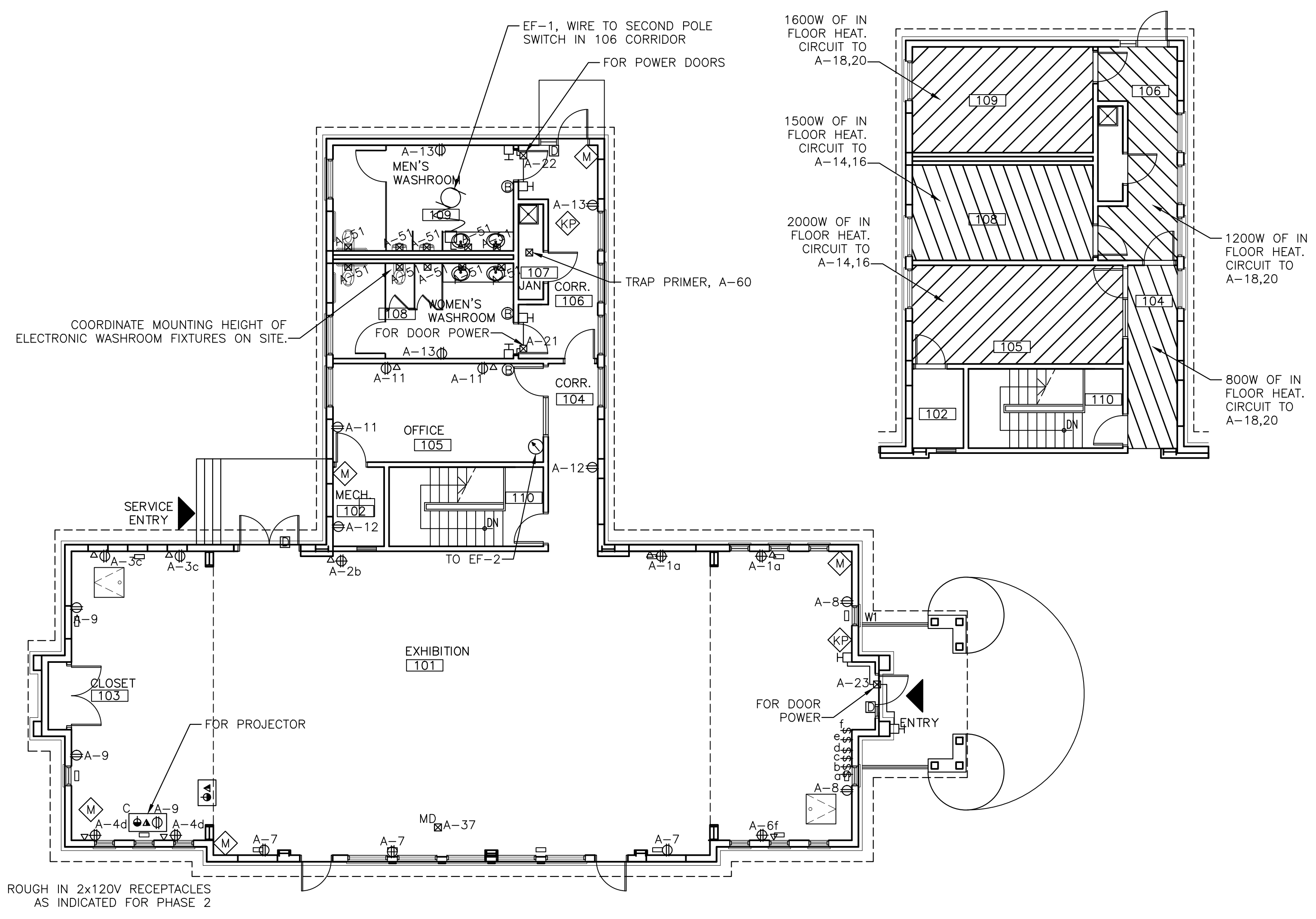
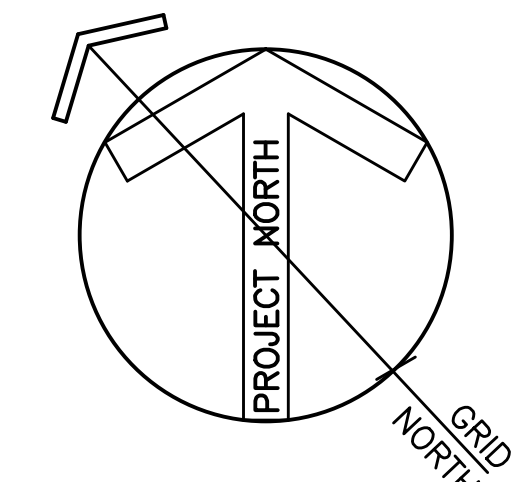
drawing  
**BASEMENT AND GROUND FLOOR PLANS**  
**ELECTRICAL - POWER AND COMMUNICATIONS**

designed	KMR	conçu
date	AUGUST 2014	
drawn	MML	dessiné
date	AUGUST 2014	
approved	MAL	approuvé
date	AUGUST 2014	
Tender		Submission

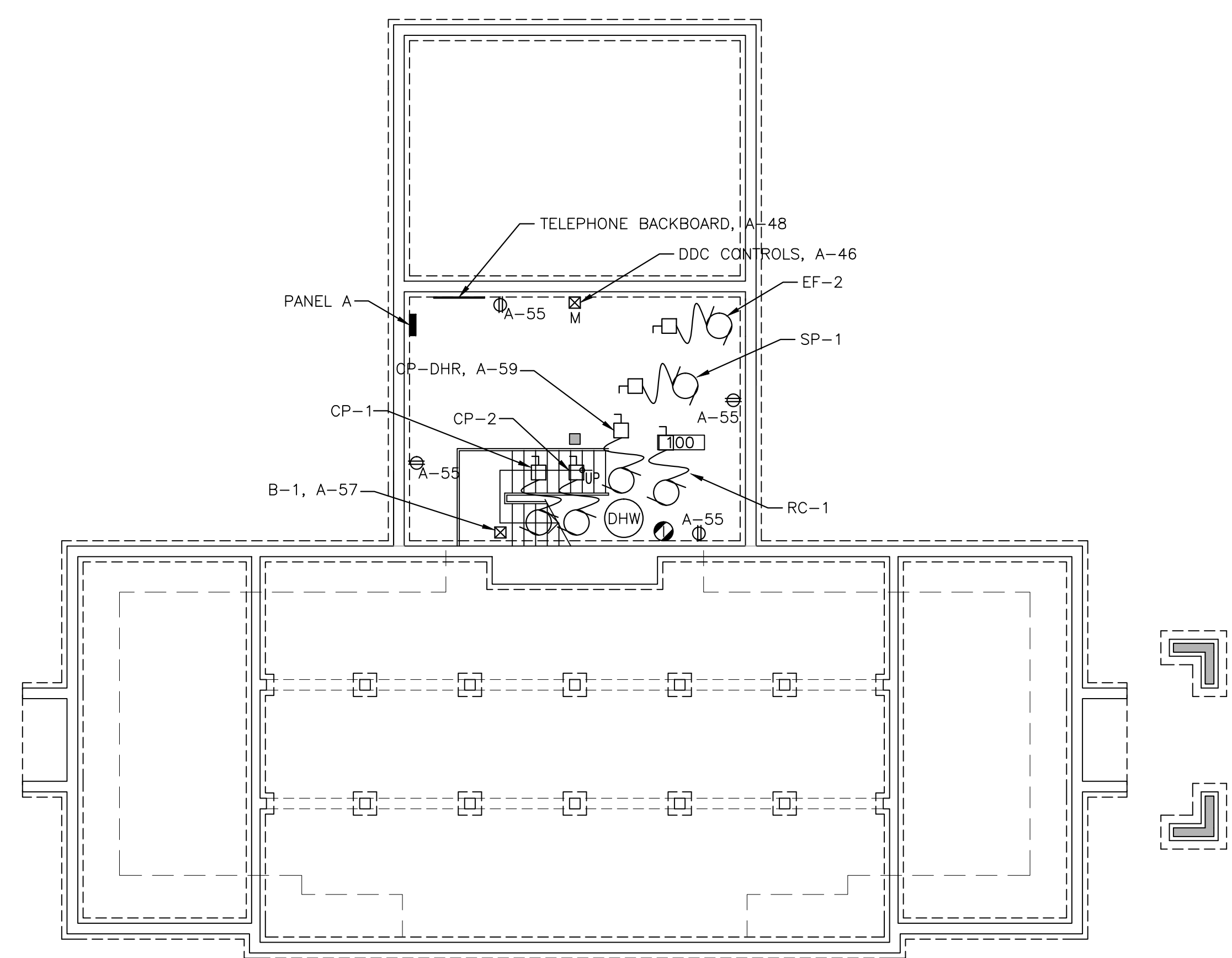
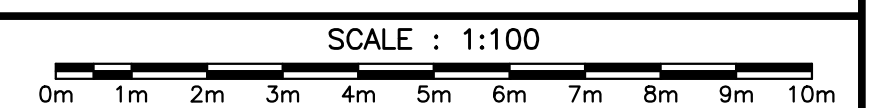
PWSC Project Manager / Administrateur de projets TPSC  
 project number / no. du projet  
**R.022851.001**

drawing no. / no. du dessin  
**E-102**

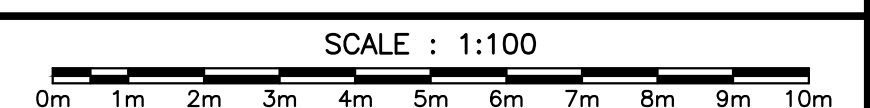
SUPPLY AND INSTALL FLEXITHERM GREENCABLE SURFACE 2W HEAT TRACE IN ROOMS INDICATED. INSTALL CABLE WITH 76MM SPACING TO PROVIDE 86W PER SQUARE METER. REFER TO FLEXITHERM INSTALLATION GUIDE FOR TYPICAL LAYOUT INFORMATION. SUPPLY AND INSTALL ALBE TECHNOLOGIES TH115-AF-12VDC MASTER CONTROL UNIT TO CONTROL TWO CT230-240GA CFGI POWER MODULES FOR CIRCUITS A-18,20 AND A-14,16. COORDINATE WITH OWNER'S REPRESENTATIVE FOR INSTALLATION LOCATION OF MASTER CONTROL UNIT.



GROUND FLOOR PLAN - ELECTRICAL POWER AND COMMUNICATIONS

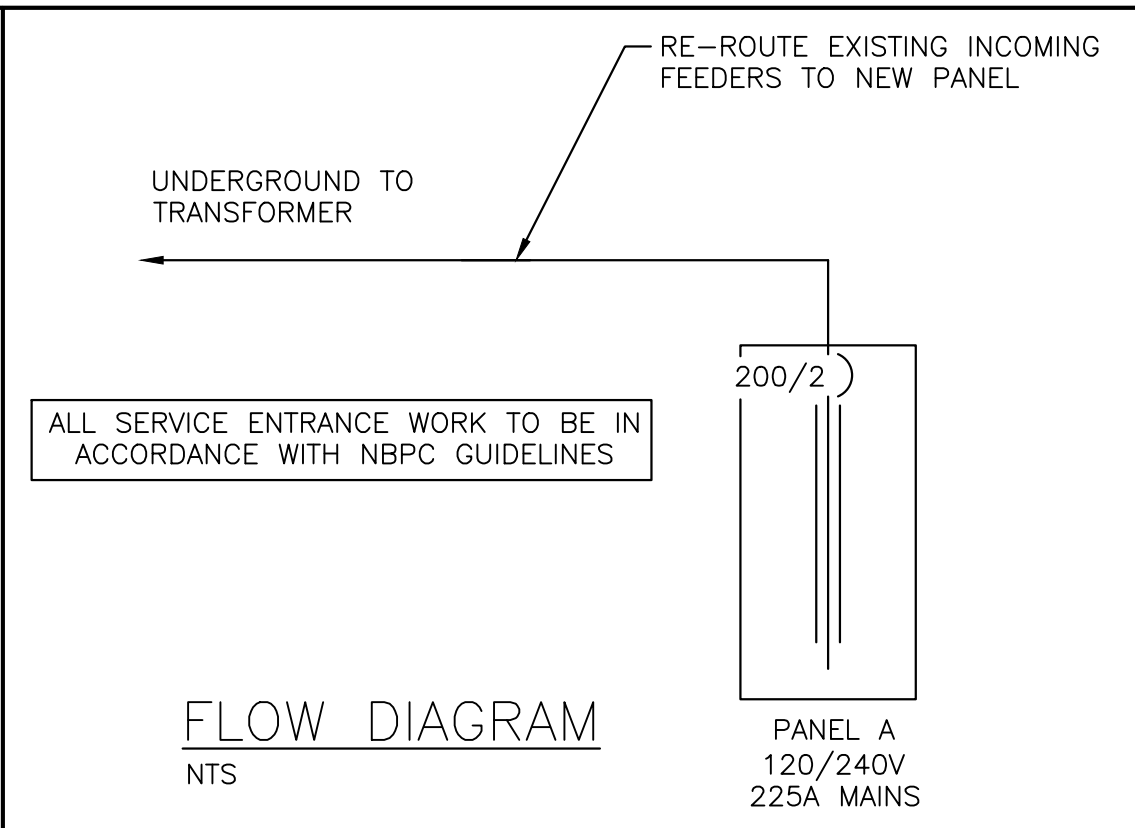


FOUNDATION PLAN - ELECTRICAL POWER AND COMMUNICATIONS

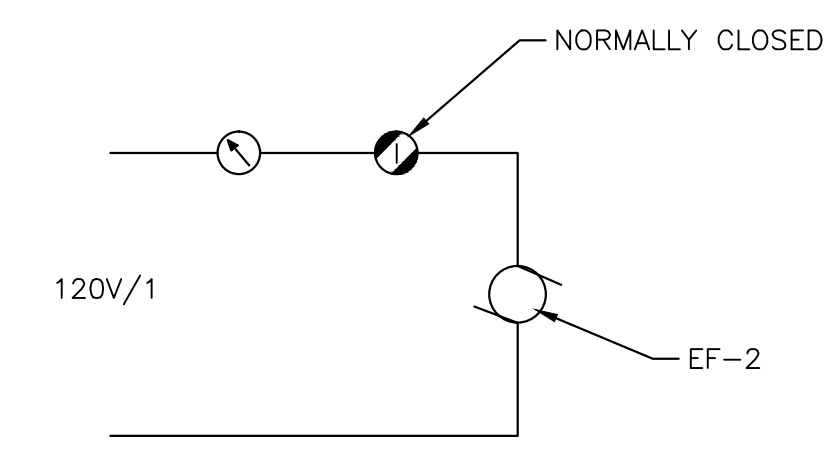


EQUIPMENT SCHEDULE							
ITEM	DESCRIPTION	LOAD	VOLTAGE	BREAKER	FEEDER	CIRCUIT	NOTES
EF-1	EXHAUST FAN	350 W	120/1	25/1	2#12RW90+BND, 3/4"	A-40	1,2
EF-2	EXHAUST FAN	139 W	120/1	15/1	2#12RW90+BND, 3/4"	A-56	1,2
RC-1	RECIRC PUMP	1/20 HP	120/1	15/1	2#12RW90+BND, 3/4"	A-58	1,2
CP-1	CIRC PUMP	270 W	120/1	25/1	2#12RW90+BND, 3/4"	A-50	1,2
CP-2	CIRC PUMP	124 W	120/1	15/1	2#12RW90+BND, 3/4"	A-54	1,2
SP-1	SUMP PUMP	1/4 HP	120/1	15/1	2#12RW90+BND, 3/4"	A-62	1,2

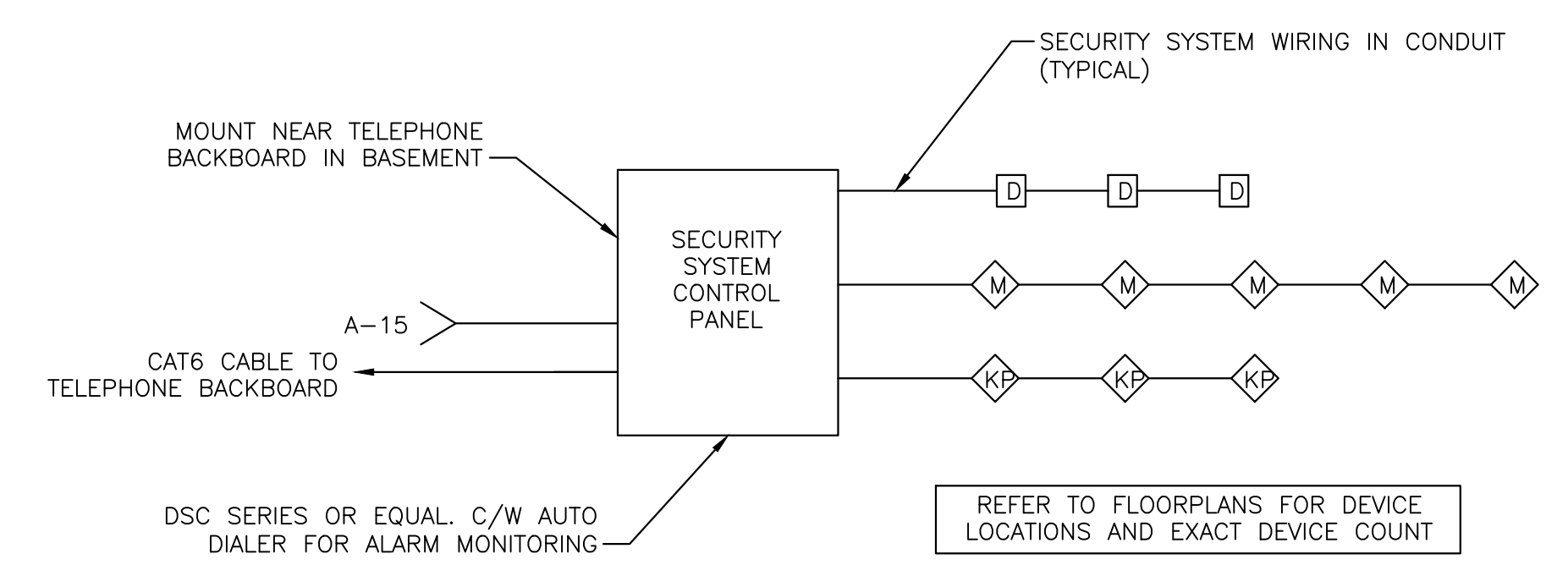
NOTES:  
 1. ALL UNITS TO HAVE DISCONNECT AT UNIT. OUTDOOR UNITS TO HAVE WEATHERPROOF ENCLOSURE  
 2. ALL FEEDERS TO HAVE GROUND CONDUCTORS



FLOW DIAGRAM  
 NTS



CRANK TIMER SCHEMATIC  
 NTS



SECURITY SYSTEM SCHEMATIC  
 NTS

POWER/COMMUNICATIONS LEGEND	
⊕	15A, 120V TAMPER RESISTANT DUPLEX OR SINGLE U-GROUND RECEPTACLE "MH,GFR" DENOTES MOUNTED HIGH, C/W GROUND FAULT PROTECTION
⊕	15A, 120V DUPLEX RECEPTACLE, SPLIT WIRED. SUBSCRIPTS AS ABOVE
Δ	WALL MOUNTED DATA OUTLET WITH 19mm(3/4") EMT TO ACCESSIBLE CEILING SPACE, UNLESS NOTED OTHERWISE
▲	WALL MOUNTED DATA OUTLET AND TELEPHONE OUTLET COMBINATION WITH RESPECTIVE 19mm(3/4") EMT TO ACCESSIBLE CEILING SPACE, UNLESS OTHERWISE NOTED
⊕	VGA CONNECTION FROM PROJECTOR TO WALL STATION FOR AV CONNECTION
A-1	CIRCUIT #1 IN PANEL 'A'
Ⓟ	OUTLET BOX WITH 21mm TO ACCESSIBLE CEILING SPACE
Ⓟ <sub>C</sub>	CEILING MOUNTED DATA AND RECEPTACLE OUTLETS
Ⓚ	SECURITY SYSTEM KEYPAD
Ⓜ	SECURITY SYSTEM MOTION DETECTOR
Ⓚ, Ⓚ, Ⓚ	SINGLE POLE TOGGLE SWITCH WITH ONE, TWO, OR THREE GANG COVER PLATE, SUBSCRIPT DENOTES ZONE
Ⓚ	CARD ACCESS DOOR MONITOR CONTACT
Ⓚ	DOOR OPERATOR PADDLE AND CONNECTION, PADDLE AND OPERATOR BY ARCHITECTURAL, (TYPICAL)
Ⓚ	ELECTRICAL JUNCTION BOX "MD" DENOTES MOTORIZED DAMPER "M" DENOTES FOR USE3 BY MECHANICAL
Ⓚ	FLUSH OR SURFACE MOUNTED DISTRIBUTION PANEL
Ⓚ	UNFUSED DISCONNECT SWITCH
Ⓚ	ELECTRICAL MOTOR BY DIVISION 15
Ⓚ	CRANK TIMER FOR EF-2, INTERMATIC FF SERIES ZERO TO 60 MINUTE TIMER
Ⓚ	EDWARDS STAND-ALONE IONIZATION/SMOKE DETECTOR C/W RELAY. NORMALLY CLOSED