

Parcs  
Canada

CAPE SPEAR  
LIGHTHOUSE DOME RECAPITALISATION  
REHABILITATION PROJECT  
ST. JOHN'S, NL

**PROJECT NO. PCAN582**

DRAWINGS:

C1 SITE PLAN

S1 LEVEL 1 FRAMING PLAN

S2 SECTIONS AND DETAILS

A1 BUILDING ELEVATIONS EXISTING CONDITIONS

A2 PLANS, EXISTING CONDITIONS

A3 TEMPORARY ENCLOSURE, TOWER PLAN,  
SECTION AND DETAILS

A4 BUILDING SECTION

A5 DOME DETAILS

A6 DOME GLAZING UNIT SHOP  
DEMO/RESTORATION DETAILS

A7 WINDOW AND DOOR ELEVATIONS

A8 WINDOW DETAILS

A9 DETAILS

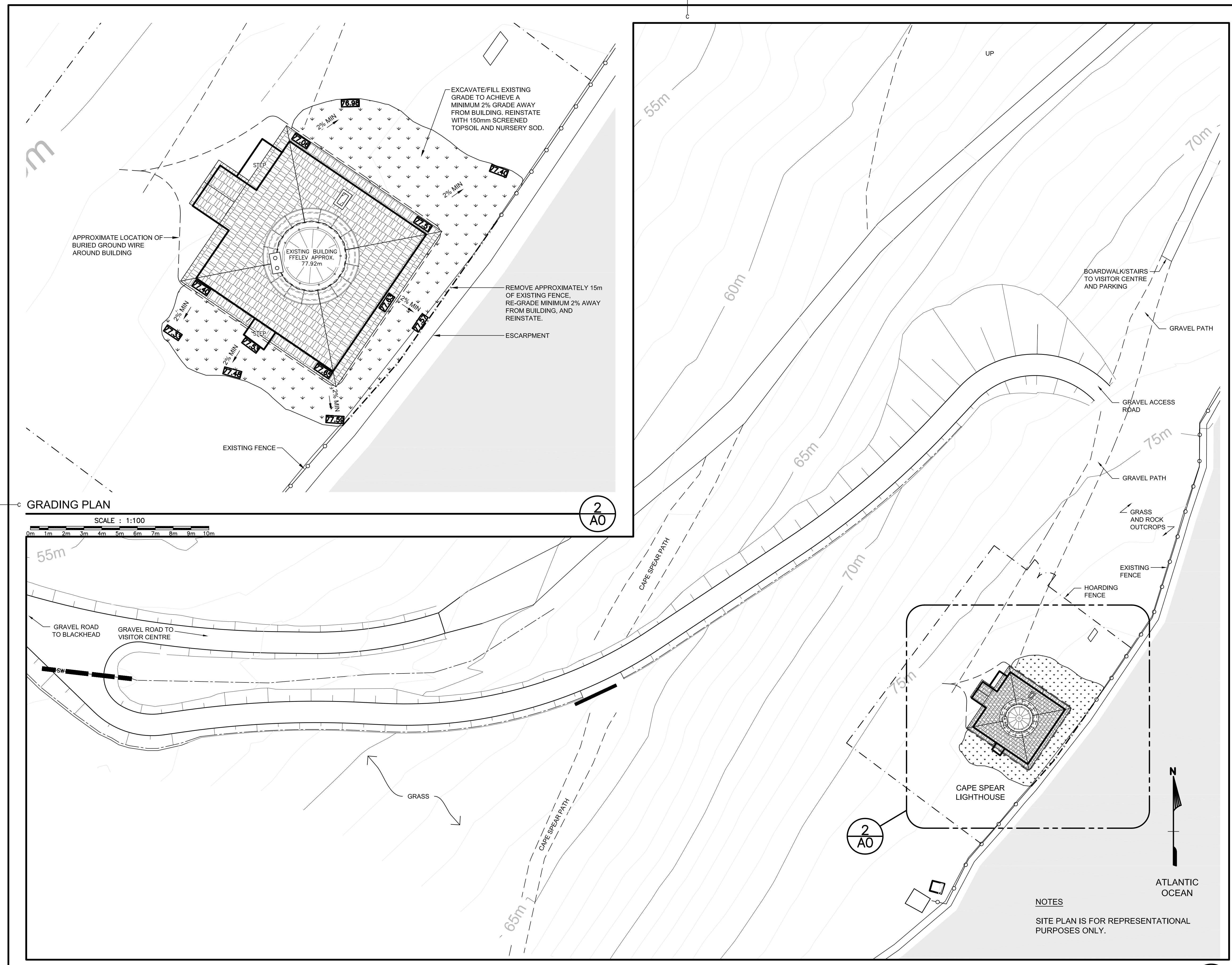
A10 DOME REFERENCE IMAGES

A11 DOME REFERENCE IMAGES

ELECTRICAL COVER SHEET

E1 ELECTRICAL LAYOUT

E2 ELECTRICAL DETAILS



GRADING PLAN  
SCALE : 1:100

SITE PLAN  
SCALE: 1:250

2  
AO

2  
AO

1  
AO

NOTES  
SITE PLAN IS FOR REPRESENTATIONAL PURPOSES ONLY.

ARCHITECT:  
**Gibbons + Snow**  
architects  
Suite 201  
Caledonia Place  
40 Quidi Vidi Road  
St. John's, NL  
A1A 1C1  
Tel: 709.738.4422  
Fax: 709.738.4455

GSA #: 16-6100-01  
**EXCAVATE EXISTING GRADE TO ACHIEVE A MINIMUM 2% GRADE AWAY FROM BUILDING. REINSTATE WITH 150mm SCREENED TOPSOIL AND NURSERY SOD.**  
**70.00 SUGGESTED FINISH GRADE ELEVATION**

PROVINCE OF NEWFOUNDLAND  
PERMIT HOLDER  
This Permit Allows  
AFN ENGINEERING INC.  
To practice Professional Engineering in Newfoundland and Labrador.  
Permit No. as issued by APBQNL F0202 which is valid for the year 2018.



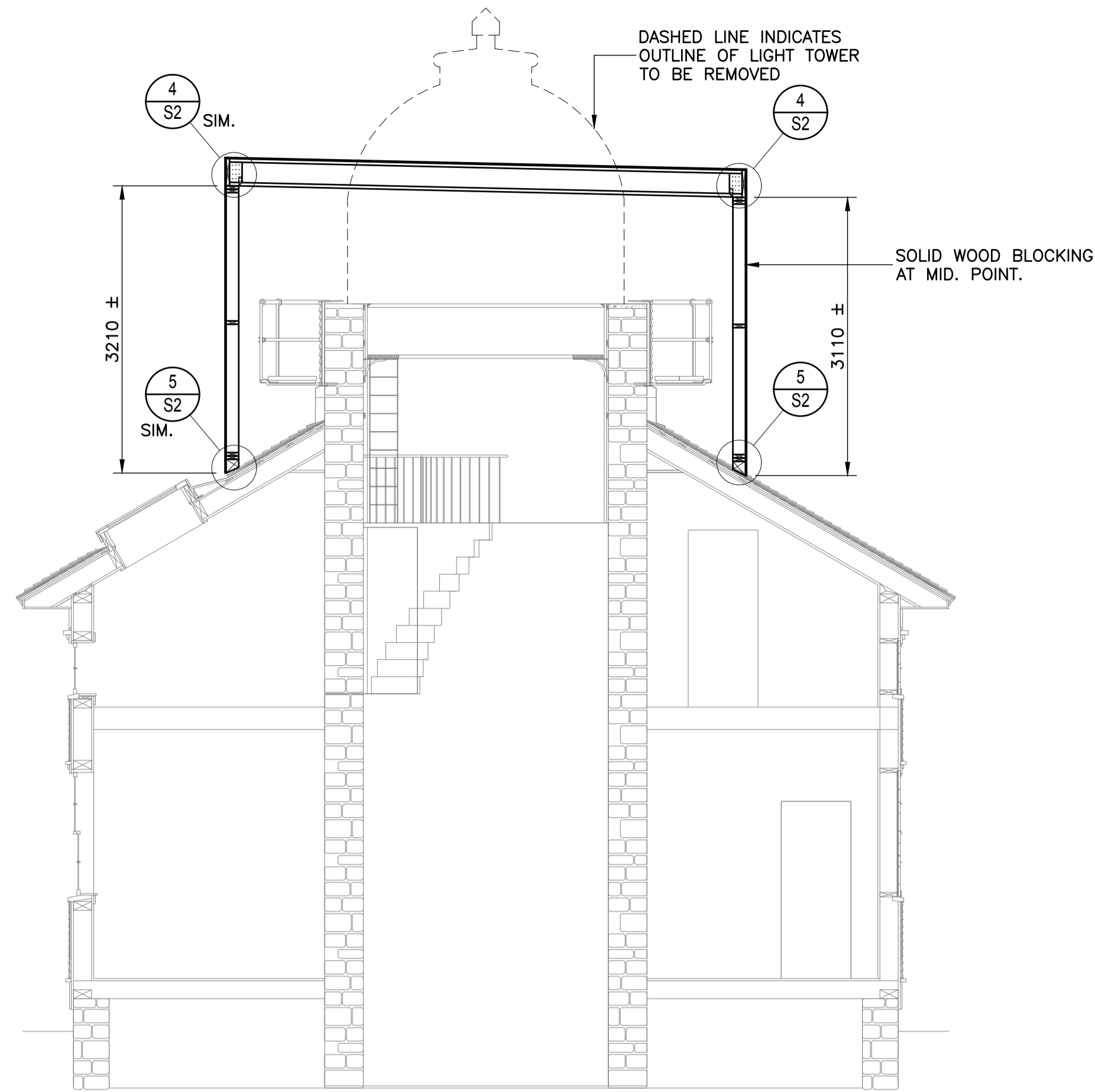
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D	ISSUED FOR 100% REVIEW	JULY 24 2017
C	ISSUED FOR 99% REVIEW	MAY 10 2017
B	ISSUED FOR 50% REVIEW	MAR 10 2017
A	ISSUED FOR 30% REVIEW	FEB.3 2017
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project		project

CAPE SPEAR NHS LIGHTHOUSE DOME RECAPITALISATION  
ST. JOHN'S, NL

ARCHITECTURAL SITE ACCESS PLAN

designed	G. SNOW	conçu
date	DEC. 2016	
drawn	C. BAIRD	dessiné
date	DEC. 2016	
approved		approuvé
date		
Tender		Submission
PWSC Project Manager	Administrateur de projets TPSGC	
project number		no. du projet
drawing no.		no. du dessin

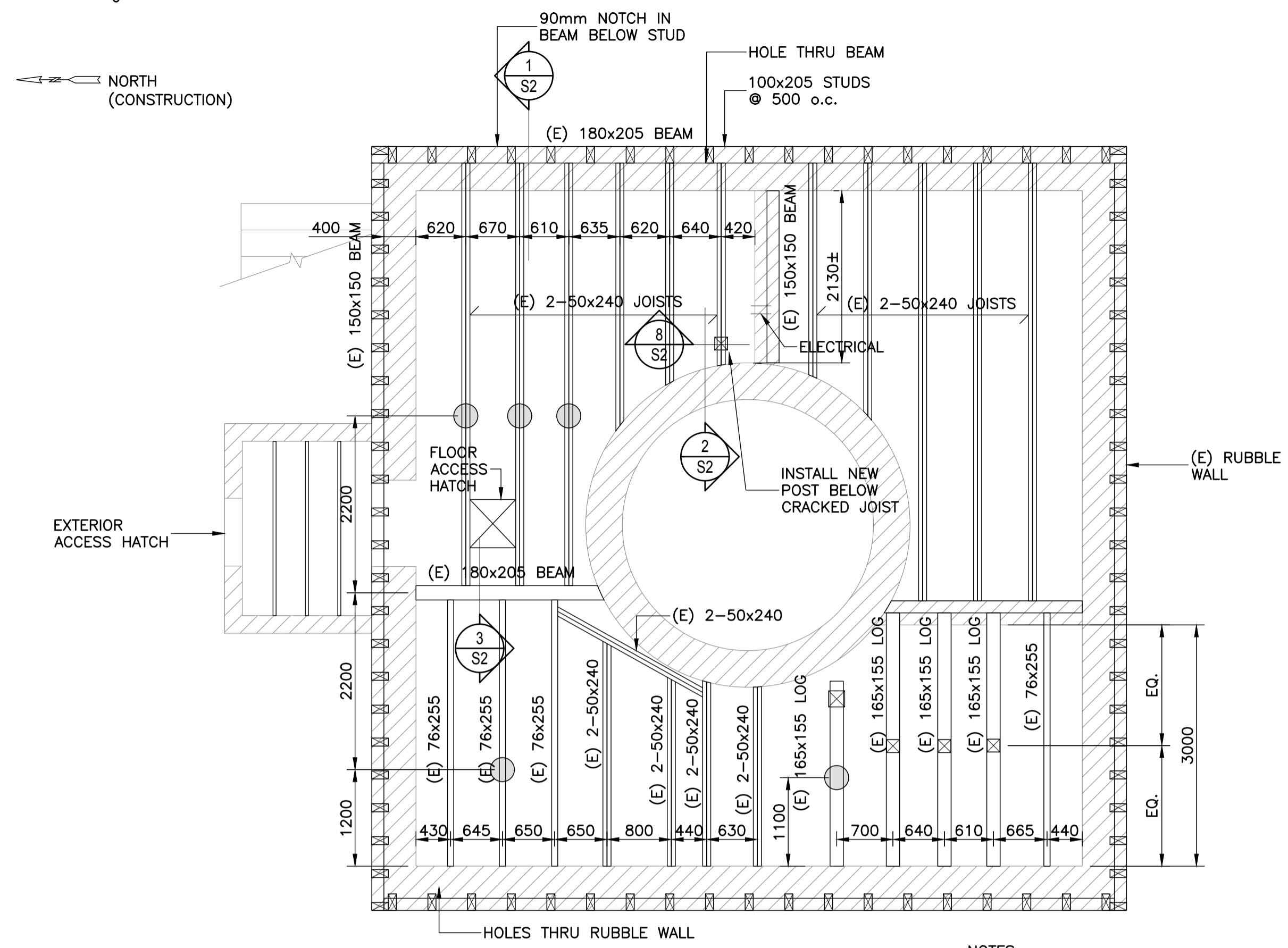
C1



TEMPORARY ENCLOSURE SECTION

SCALE - 1:50

3  
S1



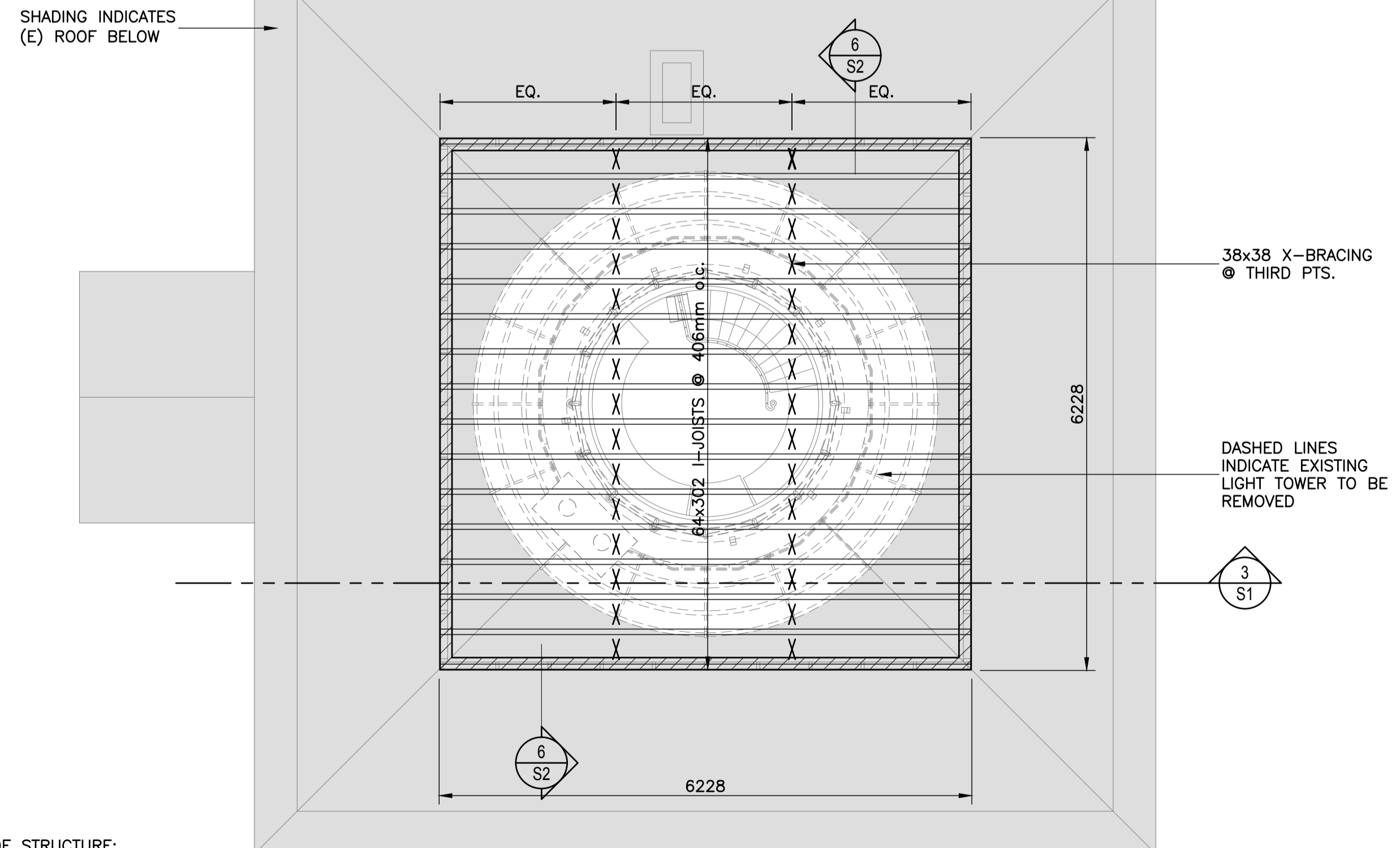
LEVEL 1 FRAMING PLAN

SCALE - 1:50

1  
S1

- NOTES:
- - DENOTES EXISTING STONE PILLAR.
  - ⊠ - DENOTES NEW 89x89 P.T. SPF. No. 1/2 POST + CONCRETE PATIO BLOCK (SEE SECTION 9/S2 U.N.O.).

- STRUCTURAL WOOD NOTES**
- SUBMIT I-JOIST SHOW DRAWING FOR REVIEW AND APPROVAL.
  - PLYWOOD NAILING SCHEDULE
    - ROOF SHEATHING
      - 64mm NAILS @ 150 o.c. AT PLYWOOD EDGES.
      - 64mm NAILS @ 300 o.c. AT INTERIOR OF SHEET.
    - WALL SHEATHING
      - 64mm NAILS @ 150 o.c. AT PLYWOOD EDGES.
      - 64mm NAILS @ 300 o.c. AT INTERIOR OF SHEET.
  - WOOD STUDS TO BE SPF NO. 1/2 GRADE UNLESS NOTED OTHERWISE.
  - IF NOT SPECIFICALLY NOTED ON DRAWINGS PROVIDE SQUASH BLOCKS & RIM BOARDS FOR I-JOISTS AS PER MANUFACTURER'S RECOMMENDATIONS.
  - IF NOT SPECIFICALLY NOTED ON DWGS PROVIDE BLOCKING FOR DOUBLE I-JOIST AS PER MANUFACTURER'S RECOMMENDATIONS.
  - UNLESS OTHERWISE NOTED ALL EXTERIOR AND LOAD BEARING WALLS TO BE 38x140 @ 406 o.c. WITH HORIZONTAL BLOCKING AT 1220 o.c.
  - UNLESS OTHERWISE NOTED EXTERIOR WALL SHEATHING TO BE 12.7mm PLYWOOD AND ROOF SHEATHING TO BE 13mm T&G PLYWOOD.
  - (E) - INDICATES EXISTING CONSTRUCTION.



**ROOF STRUCTURE:**

- 13mm TH. EXTERIOR GRADE PLYWOOD
- 64x302 I-JOISTS @ 406mm o.c.
- X-BRACING

**ROOF DESIGN LOADS:**  
(UNFACTORED)

- SNOW LOAD = 0.55(2.9) + 0.7 = 2.3kPa
- DEAD LOAD = 0.5kPa
- (INCLUDES SW)
- BASIC WIND LOAD = 0.78 kPa

TEMPORARY ENCLOSURE ROOF PLAN

SCALE - 1:50

2  
S1

- SHEET NOTES:
- ⊠ - DENOTES NEW 38x140 @ 406mm o.c. LOAD BEARING STUD WALL + 13mm TH. EXTERIOR GRADE PLYWOOD

GSA #: 16-6100-01

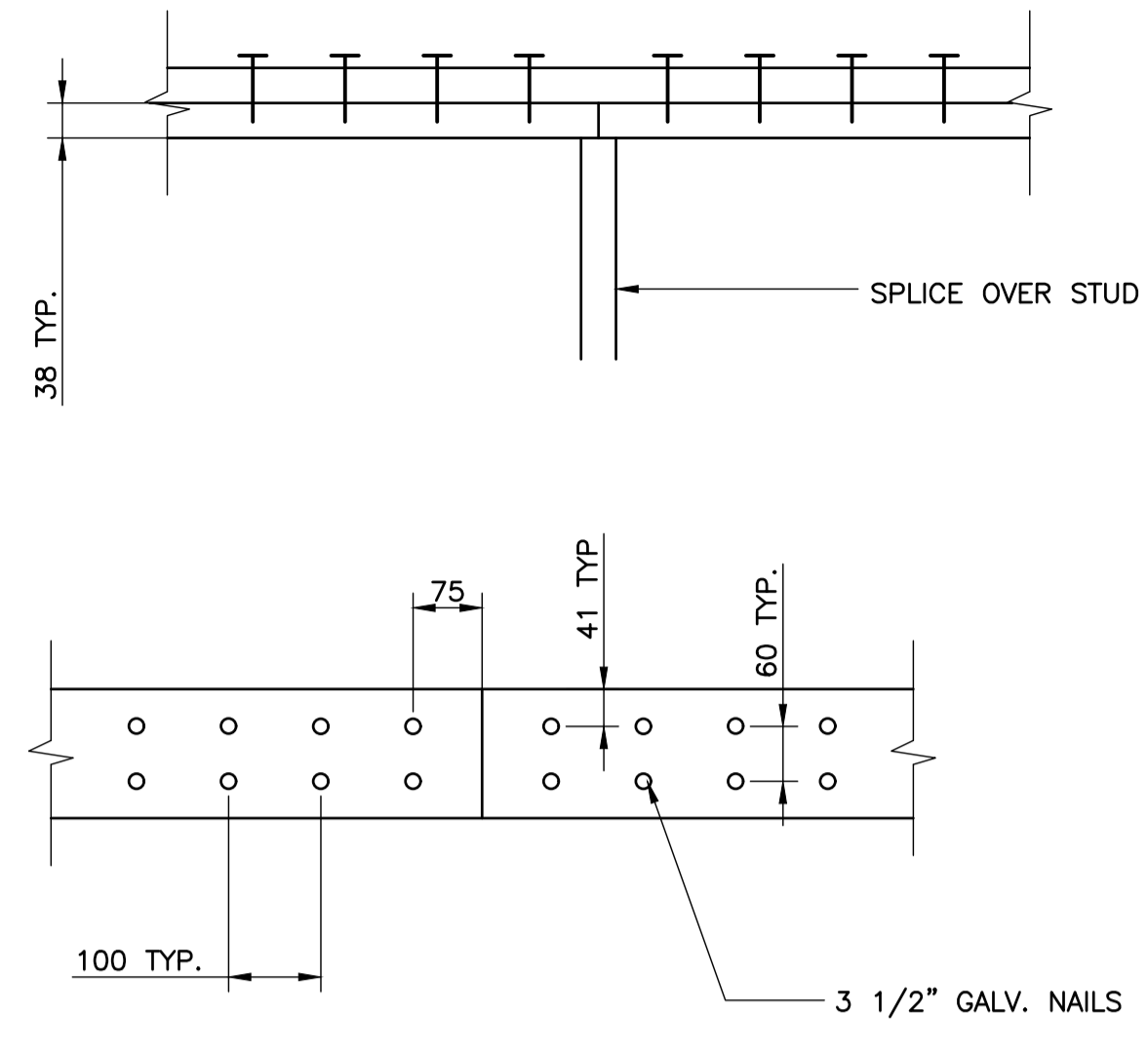


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revisions		date
project		projct

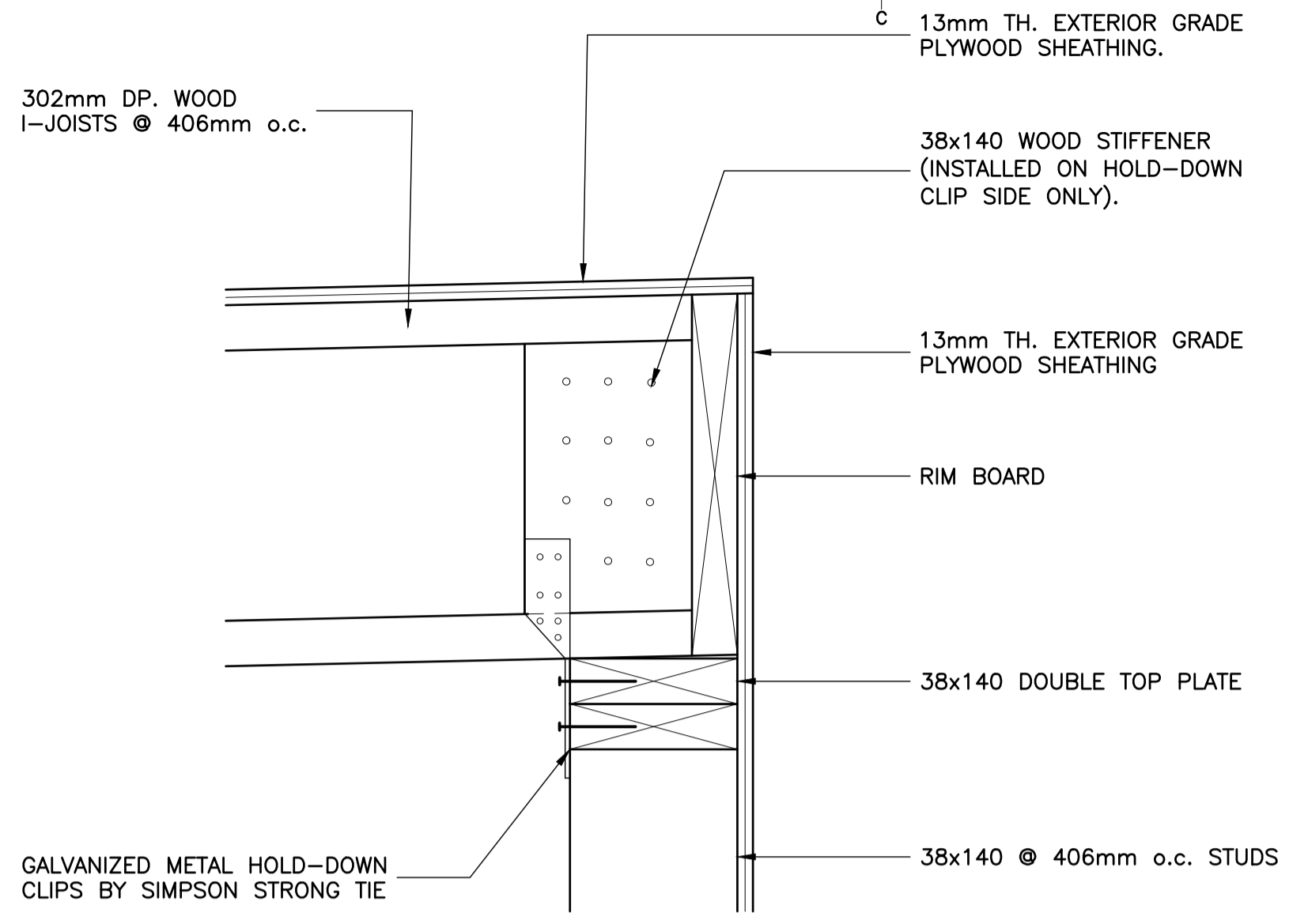
CAPE SPEAR NHS  
LIGHTHOUSE DOME  
RECAPITALISATION

LEVEL 1 FRAMING PLAN

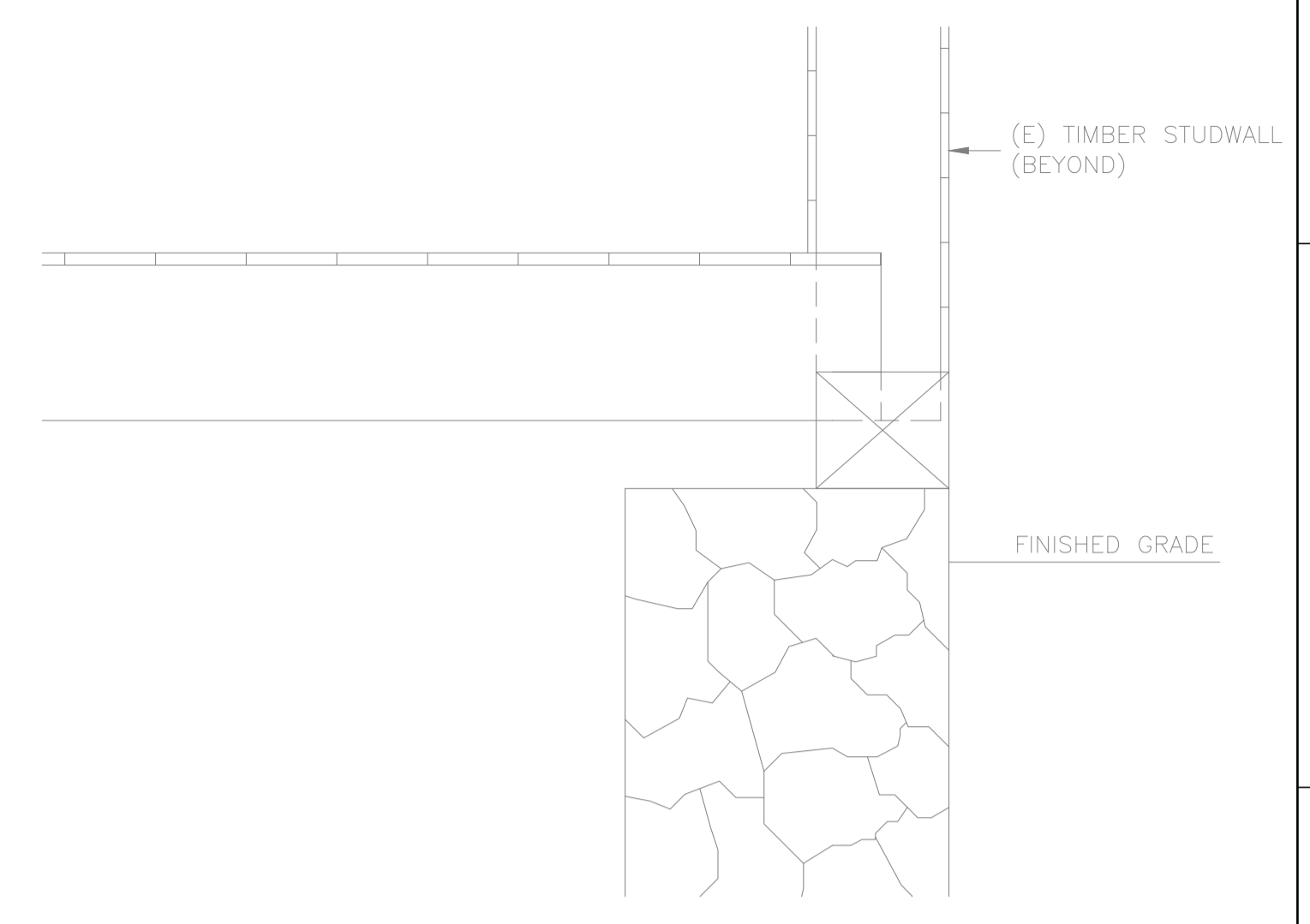
designed	M. MORRIS	conçu
date	DECEMBER 2016	
drawn	C. DELANEY	dessiné
date	DECEMBER 2016	
approved	M. MORRIS	approuvé
date	DECEMBER 2016	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPGSC	
project number	16220	no. du projet
drawing no.	S1	no. du dessin



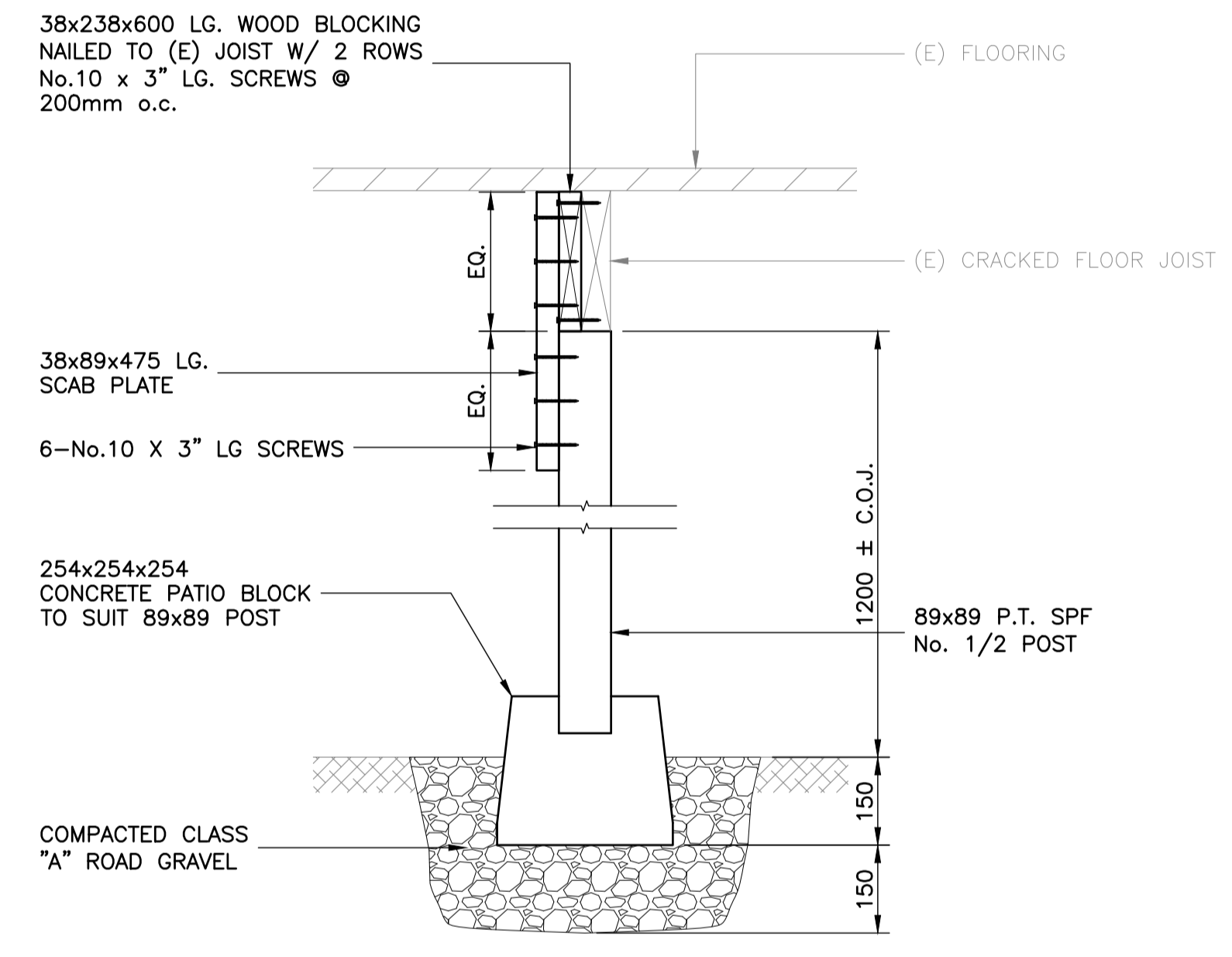
SECTION 7  
SCALE - 1:5



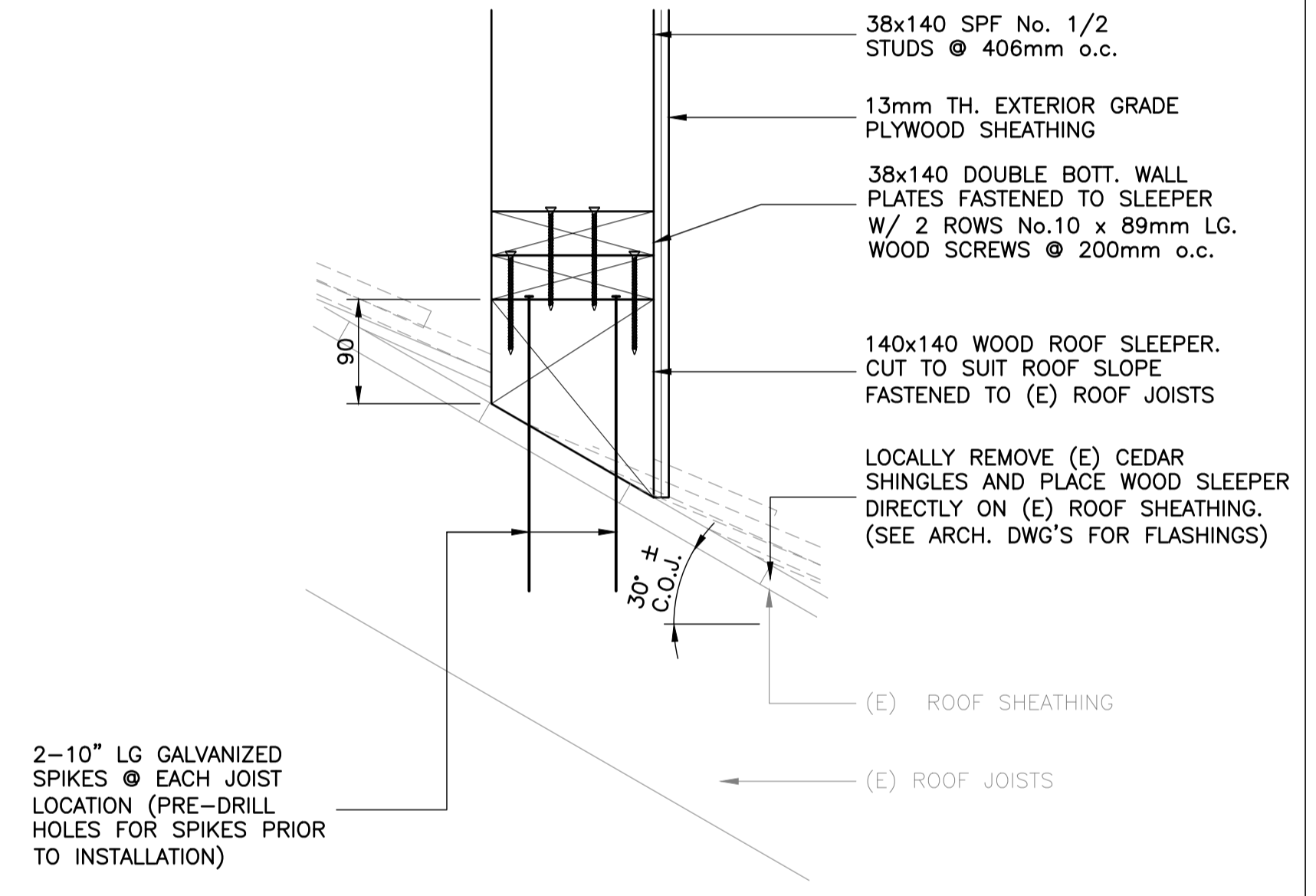
DETAIL 4  
SCALE - 1:5



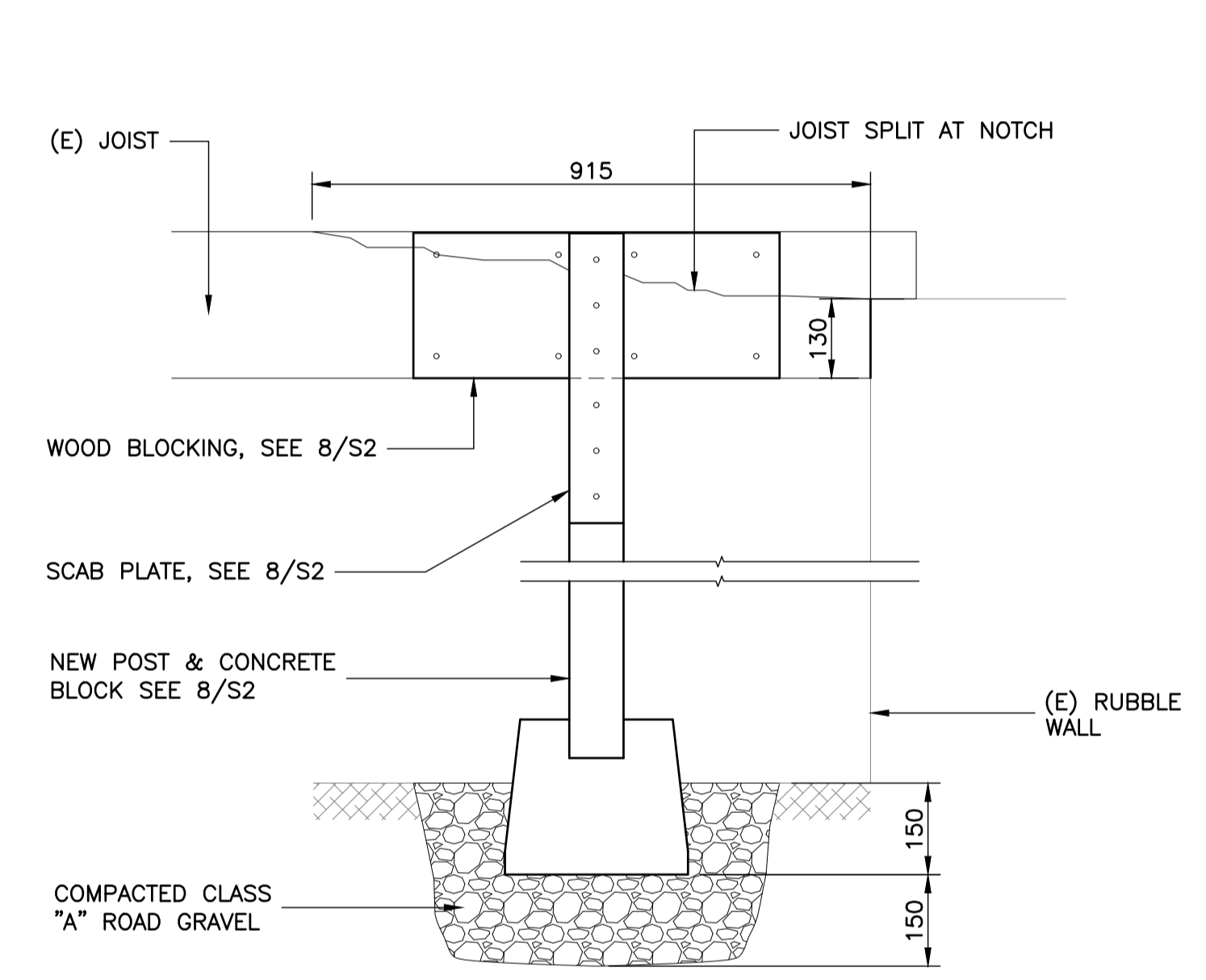
SECTION (EXISTING) 1  
SCALE - 1:10



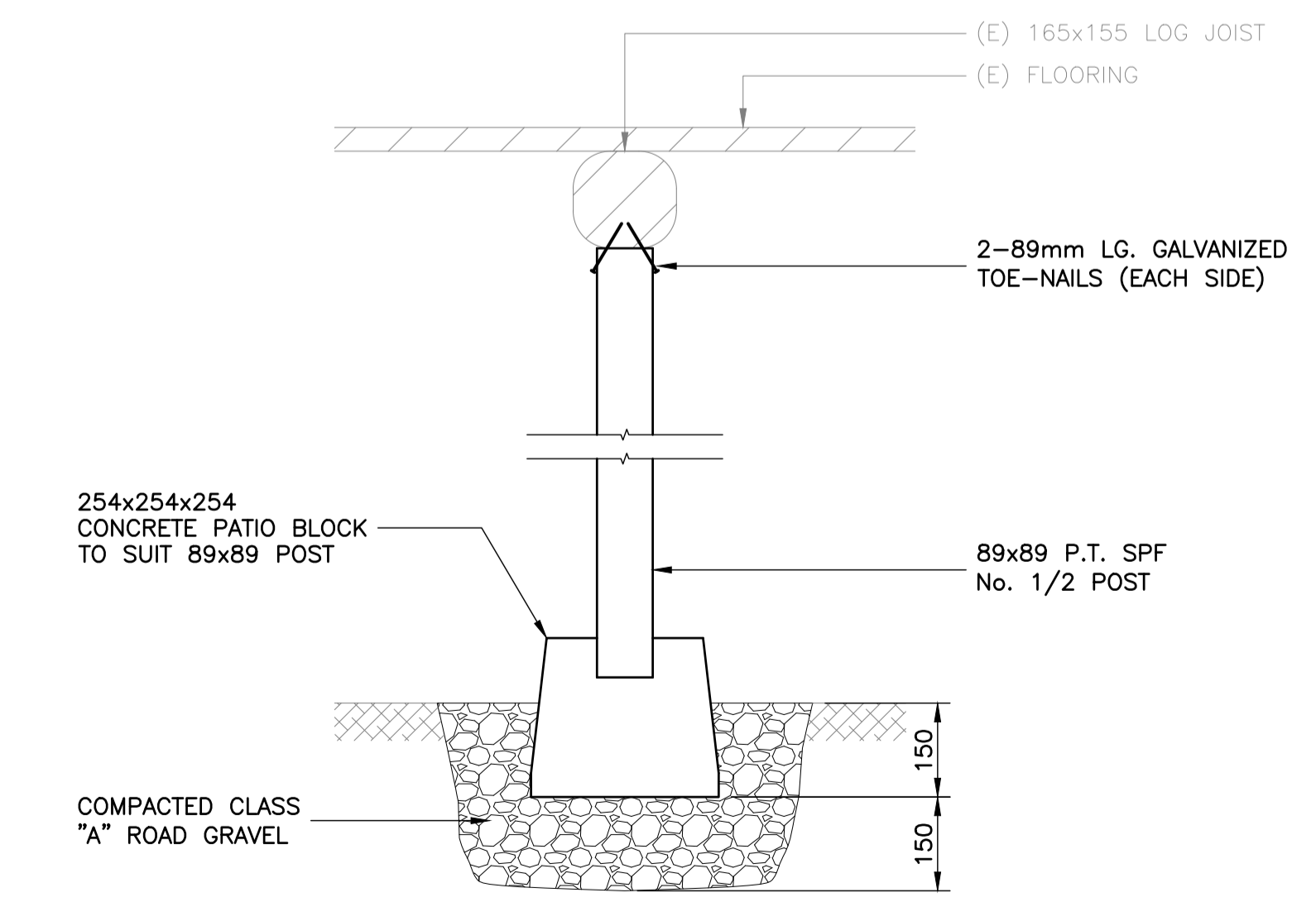
SECTION 8  
SCALE - 1:10



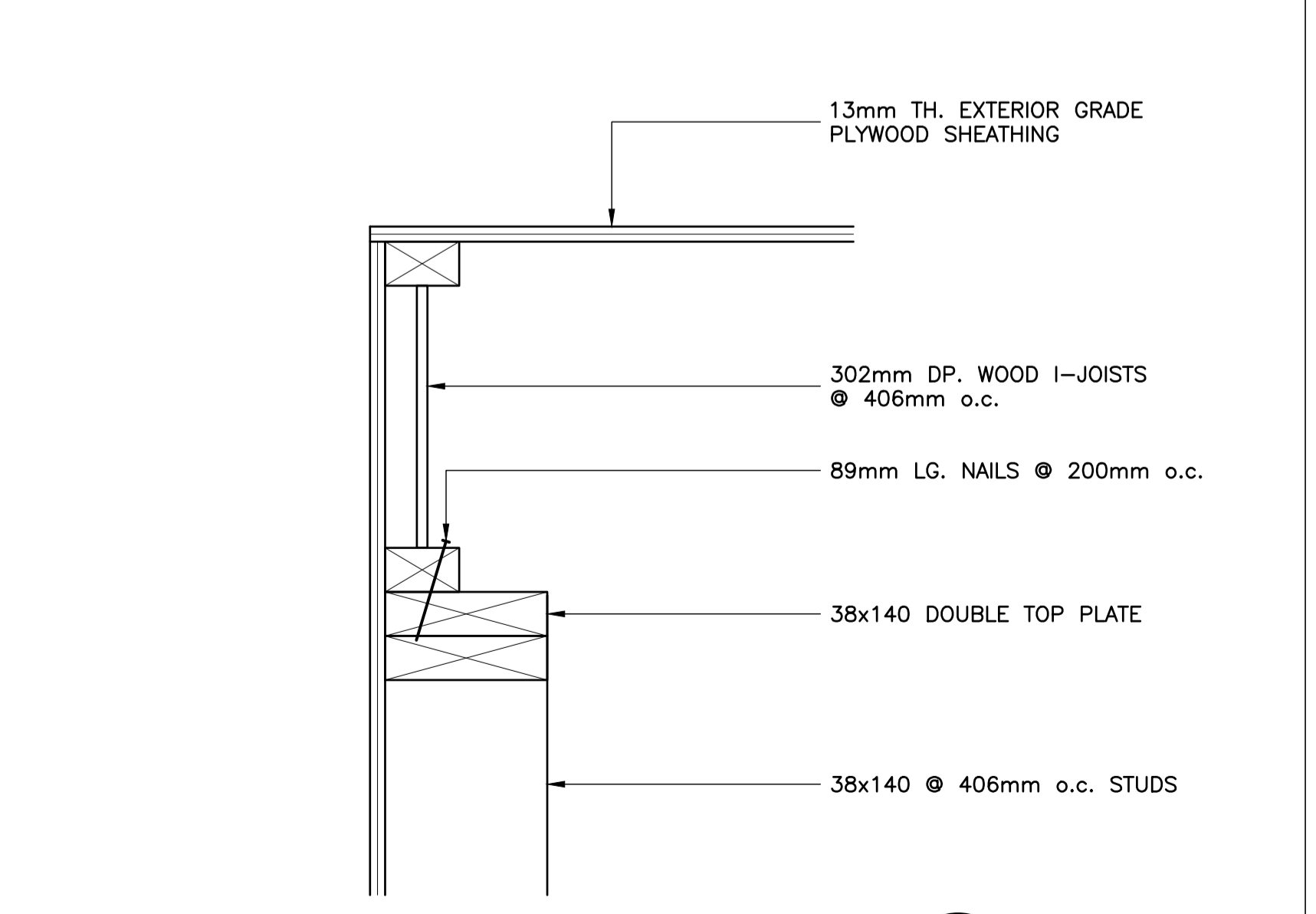
DETAIL 5  
SCALE - 1:5



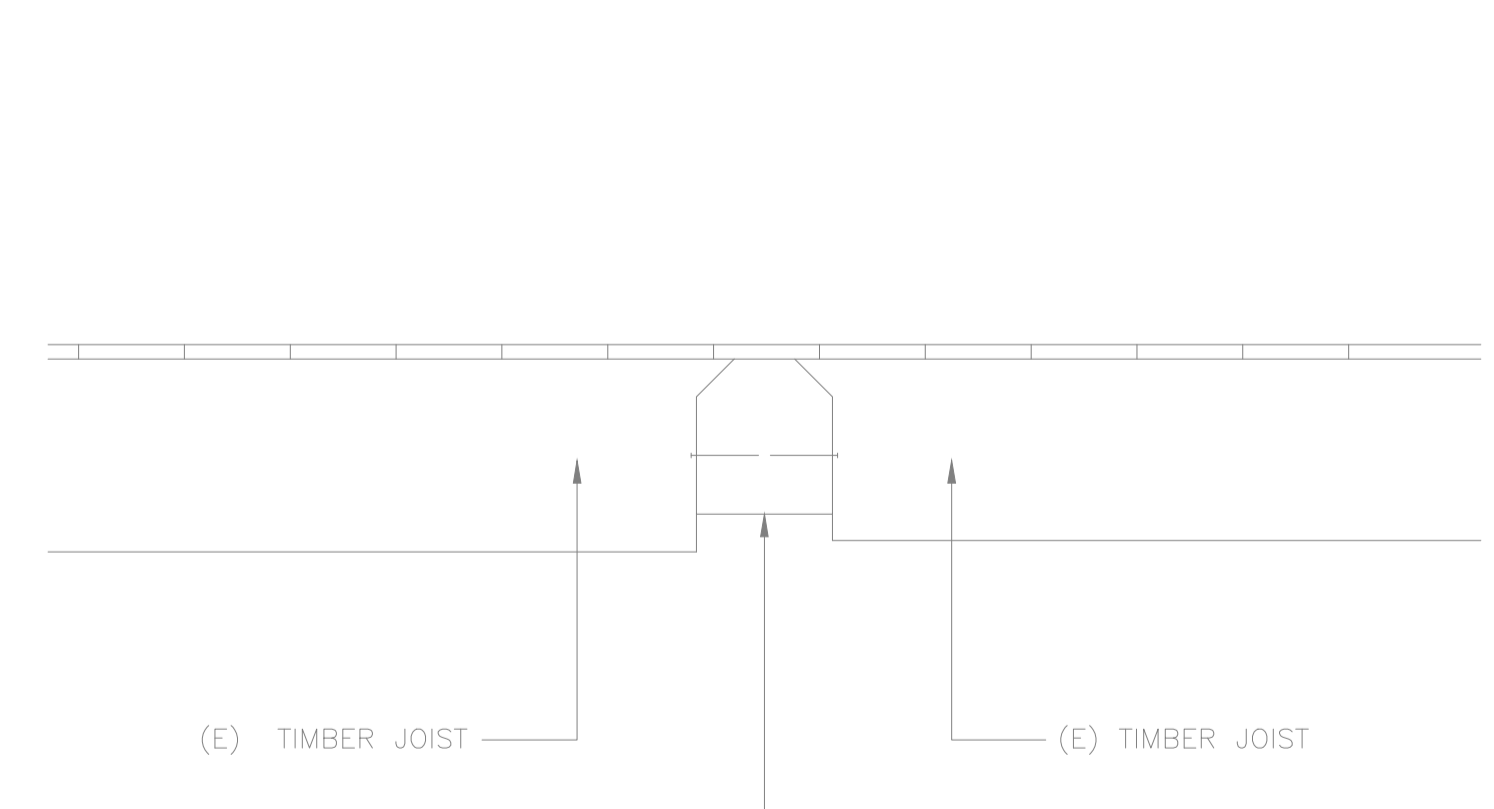
SECTION 2  
SCALE - 1:10



SECTION 9  
SCALE - 1:10



SECTION 6  
SCALE - 1:5



SECTION (EXISTING) 3  
SCALE - 1:10



PROVINCE OF NEWFOUNDLAND AND LABRADOR  
REGISTERED PROFESSIONAL ENGINEER  
M. MORRIS  
2018-02-09  
PERMIT HOLDER  
This Permit Allows  
DBA CONSULTING ENGINEERS LTD.  
To practice Professional Engineering  
in Newfoundland & Labrador.  
Permit No. as issued by PEG 50189  
which is valid for the year 2018.

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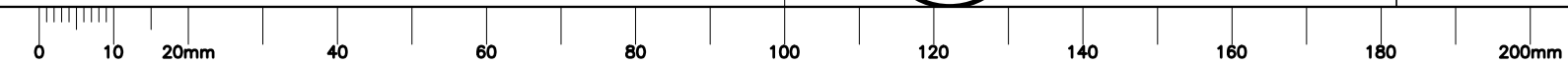
project project

CAPE SPEAR NHS LIGHTHOUSE DOME RECAPITALISATION

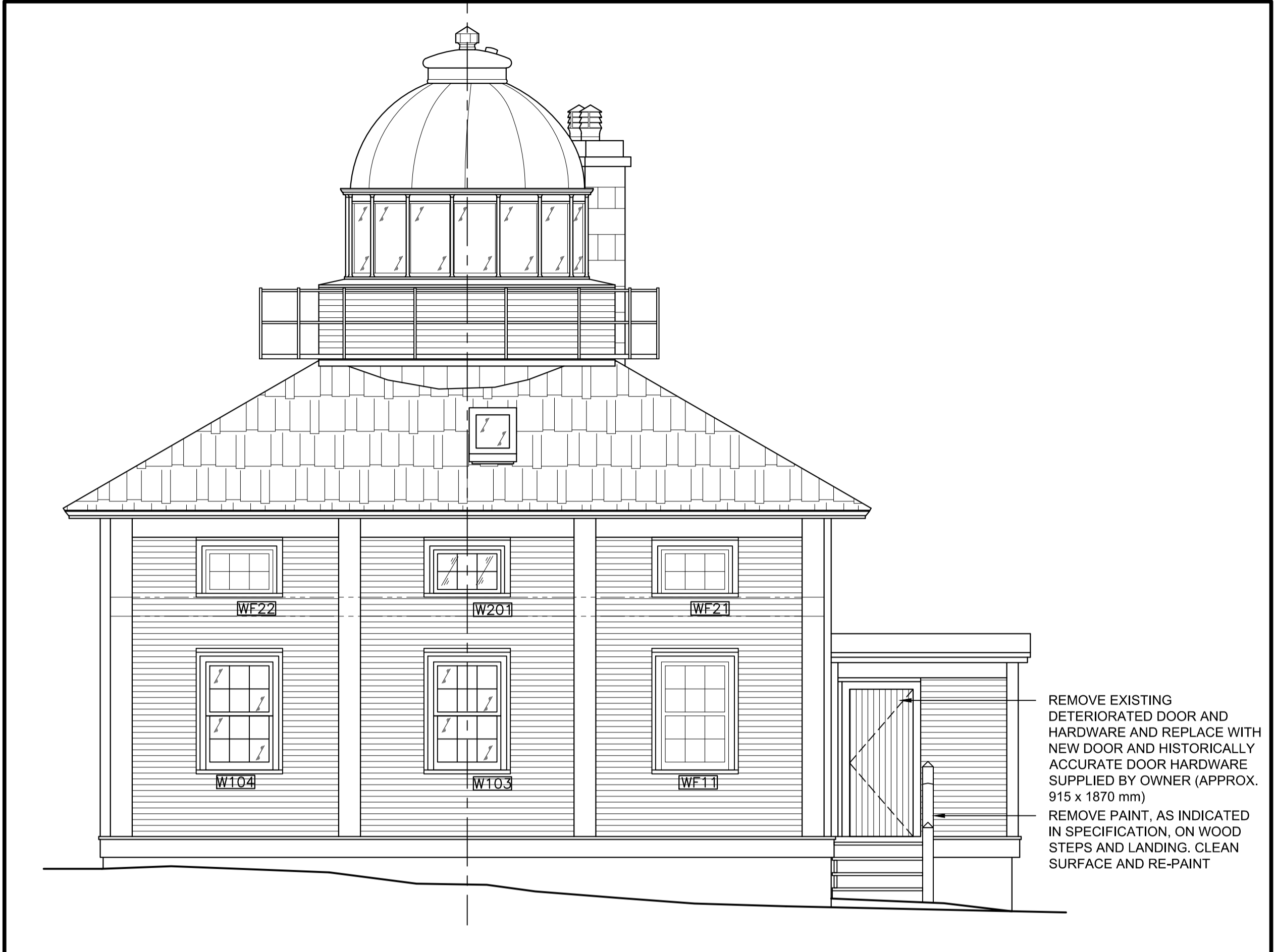
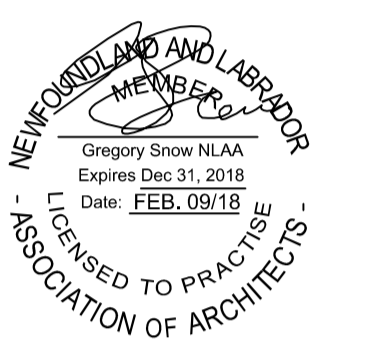
drawing dessin

SECTIONS AND DETAILS

designed	M. MORRIS	conçu
date	DECEMBER 2016	
drawn	C. DELANEY	dessiné
date	DECEMBER 2016	
approved	M. MORRIS	approuvé
date	DECEMBER 2016	
Tender		Soumission
PWGSC Project Manager	Administrateur de projets TPSGC	
project number	no. du projet	
	16220	
drawing no.	no. du dessin	
	S2	

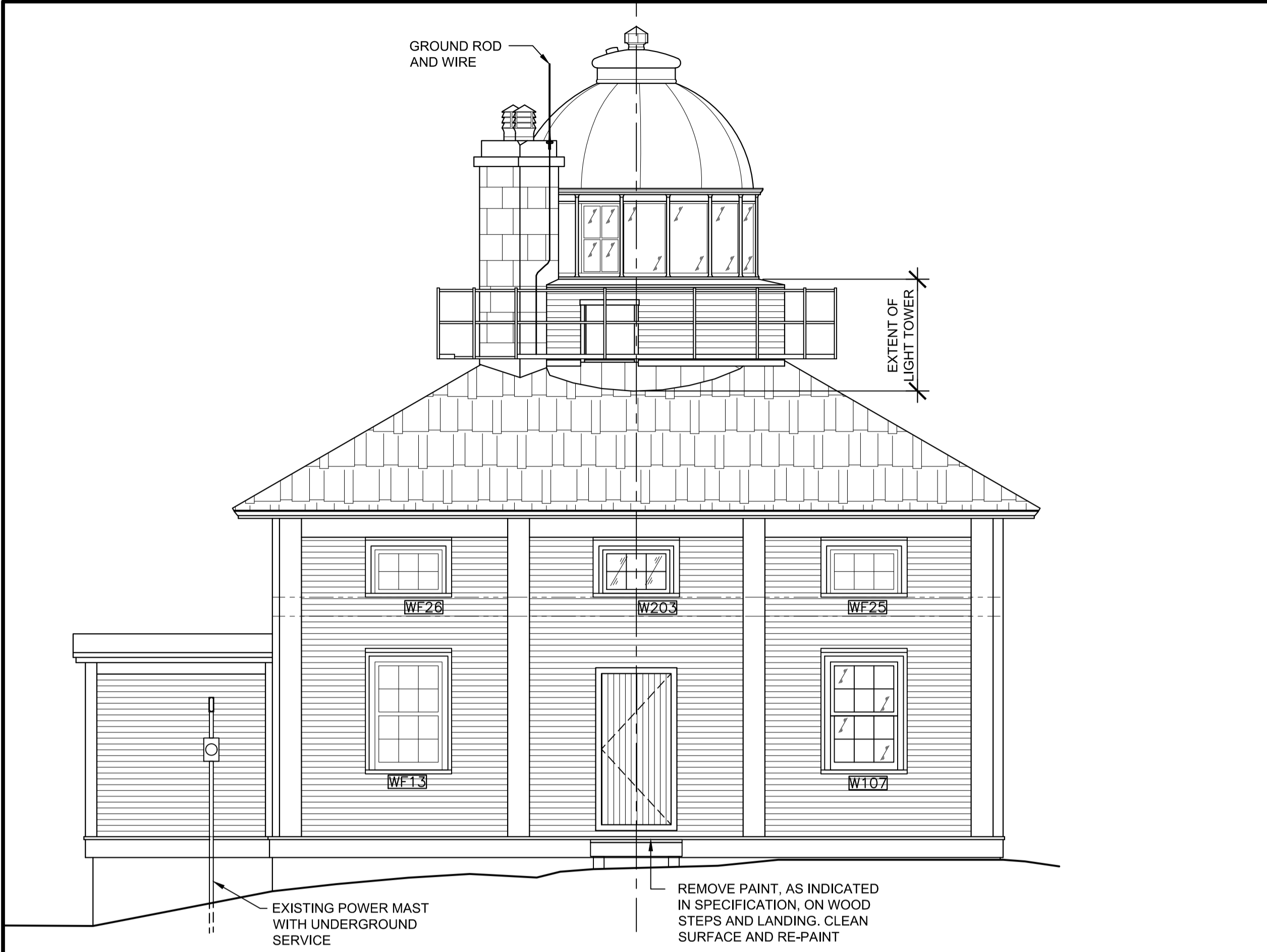






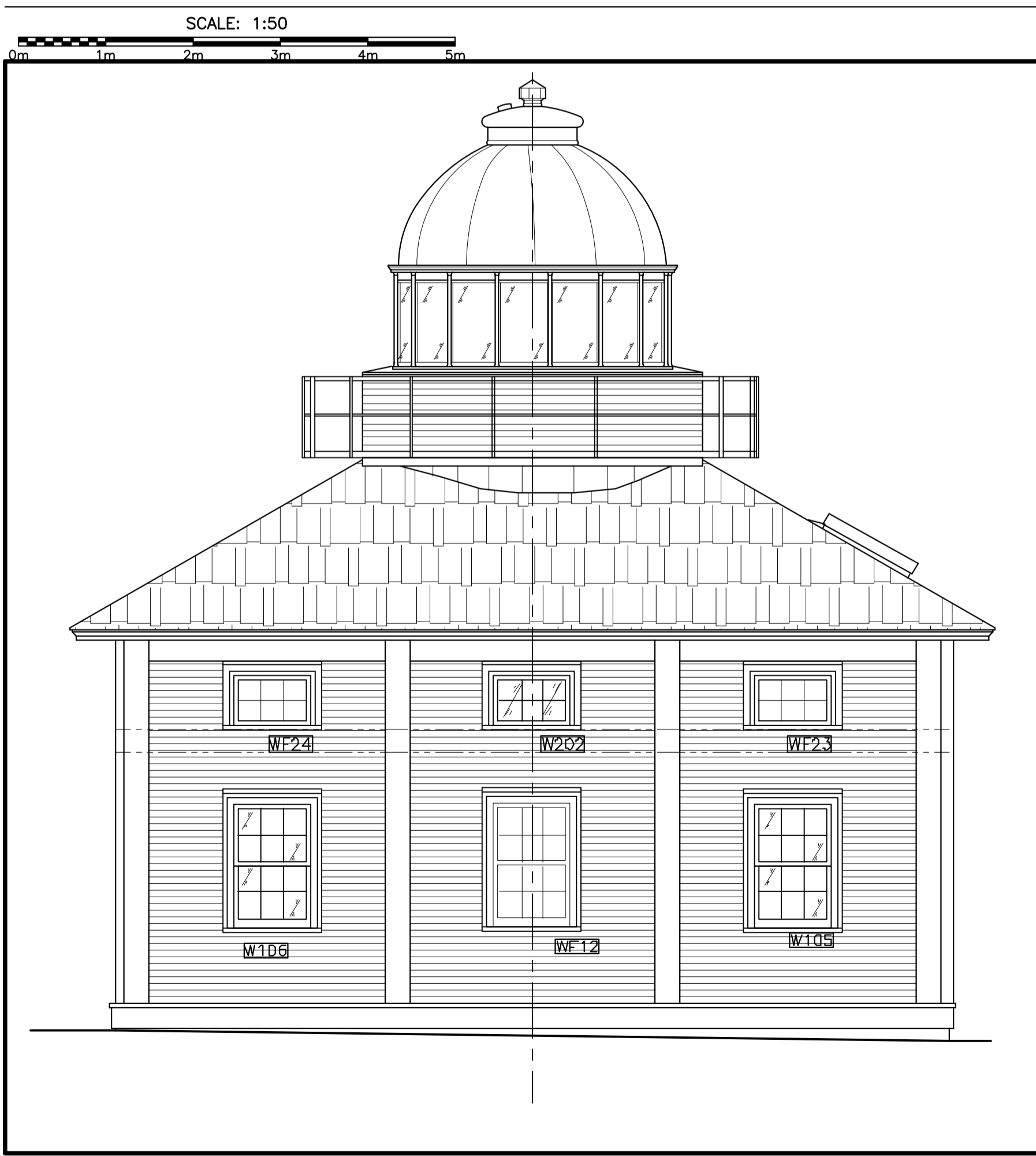
EAST ELEVATION

4  
A1



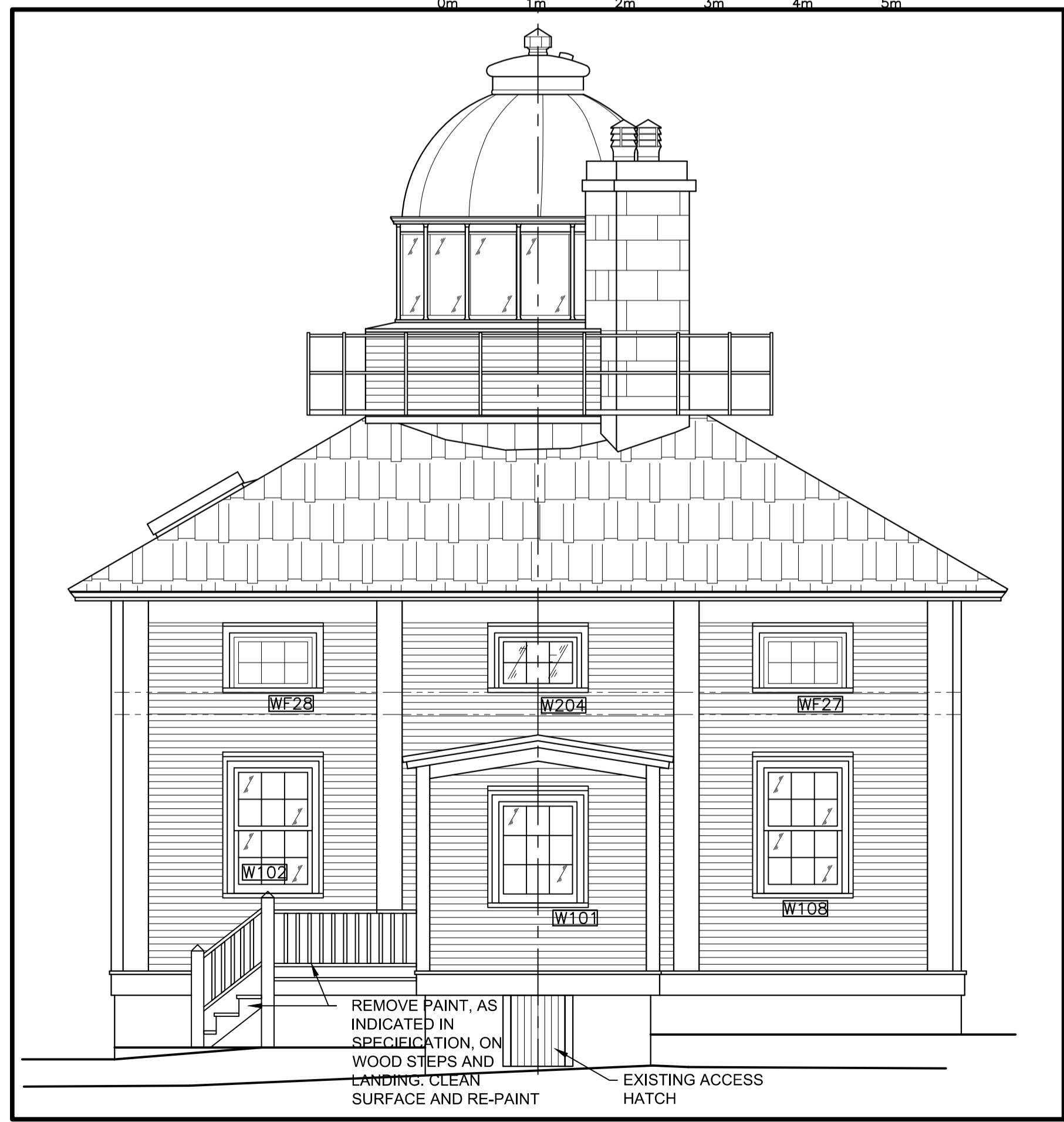
WEST ELEVATION

2  
A1



SOUTH ELEVATION

3  
A1



NORTH ELEVATION

1  
A1

- GENERAL NOTES:**
- REMOVE PAINT AS INDICATED IN SPECIFICATION ON ALL EXTERIOR WOOD SURFACES INCLUDING BUT NOT LIMITED TO CLADDING, TRIMS, FASCIAS, SOFFITS, EAVES, WINDOWS AND COMPONENTS, DOORS, STEPS, ETC. CLEAN SURFACE AND RE-PAINT.
  - ALL EXISTING WOOD CLADDING, SHEATHING, STRAPPING AND MOPPED ON FIBER REINFORCED ASPHALT AIR BARRIER TO BE REMOVED IN ITS ENTIRETY FROM THE TOWER. WOOD CLADDING TO BE TAKEN OFF SITE TO BE COMPLETELY STRIPPED, PRIMED AND REPAINTED IN SHOP PRIOR TO RE-INSTALLATION.
  - ALL WINDOWS AND COMPONENTS TO BE CAREFULLY REMOVED, RESTORED AND REINSTALLED. DETERIORATED WOOD IN WINDOWS TO BE REPLACED TO MATCH EXISTING - SEE UNIT PRICE IN SPEC. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.
  - ALL FALSE WINDOW COMPONENTS TO BE CAREFULLY REMOVED, RESTORED AND REINSTALLED. DETERIORATED WOOD AND MISSING WOOD PIECES IN FALSE WINDOWS TO BE REPLACED - SEE UNIT PRICE IN SPEC. REPLACE WITH NEW TO MATCH ADJACENT. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.
  - REMOVE MAIN ENTRANCE DOOR AND HARDWARE AND INSTALL NEW DOOR AND HARDWARE SUPPLIED BY OWNER. REPAIR ALL ADJACENT SURFACES TO LIKE NEW CONDITION.
  - SHOP WORK:** LANTERN AND DOME TO BE COMPLETELY DISASSEMBLED. COMPONENTS CAREFULLY RECORDED, ALL FINISHES REMOVED, RE-PAINTED AND REASSEMBLED. RESTORE ALL COMPONENTS WHERE POSSIBLE. REPLACE MISSING COMPONENTS WHERE REQUIRED TO MATCH EXISTING.
  - LIFTING PLAN:** CONTRACTOR TO PROVIDE A DETAILED LIFTING PLAN STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF NEWFOUNDLAND LABRADOR.  
  
LANTERN AND DOME TO BE REMOVED IN A SINGLE LIFT OPERATION AND BROUGHT OFF SITE FOR SHOP RESTORATION. EXISTING GLAZING TO BE REMOVED PRIOR TO LIFT.  
  
LANTERN AND DOME TO BE RE-INSTALLED IN A SINGLE LIFT OPERATION AFTER SHOP RESTORATION. GLAZING TO BE RE-INSTALLED ON SITE AFTER DOME SECURED IN FINAL LOCATION.

GENERAL NOTES

0	ISSUED FOR TENDER	FEB.9 2018
revisions		date
project		project

**CAPE SPEAR NHS LIGHTHOUSE DOME RECAPITALISATION**  
**ST. JOHN'S, NL**

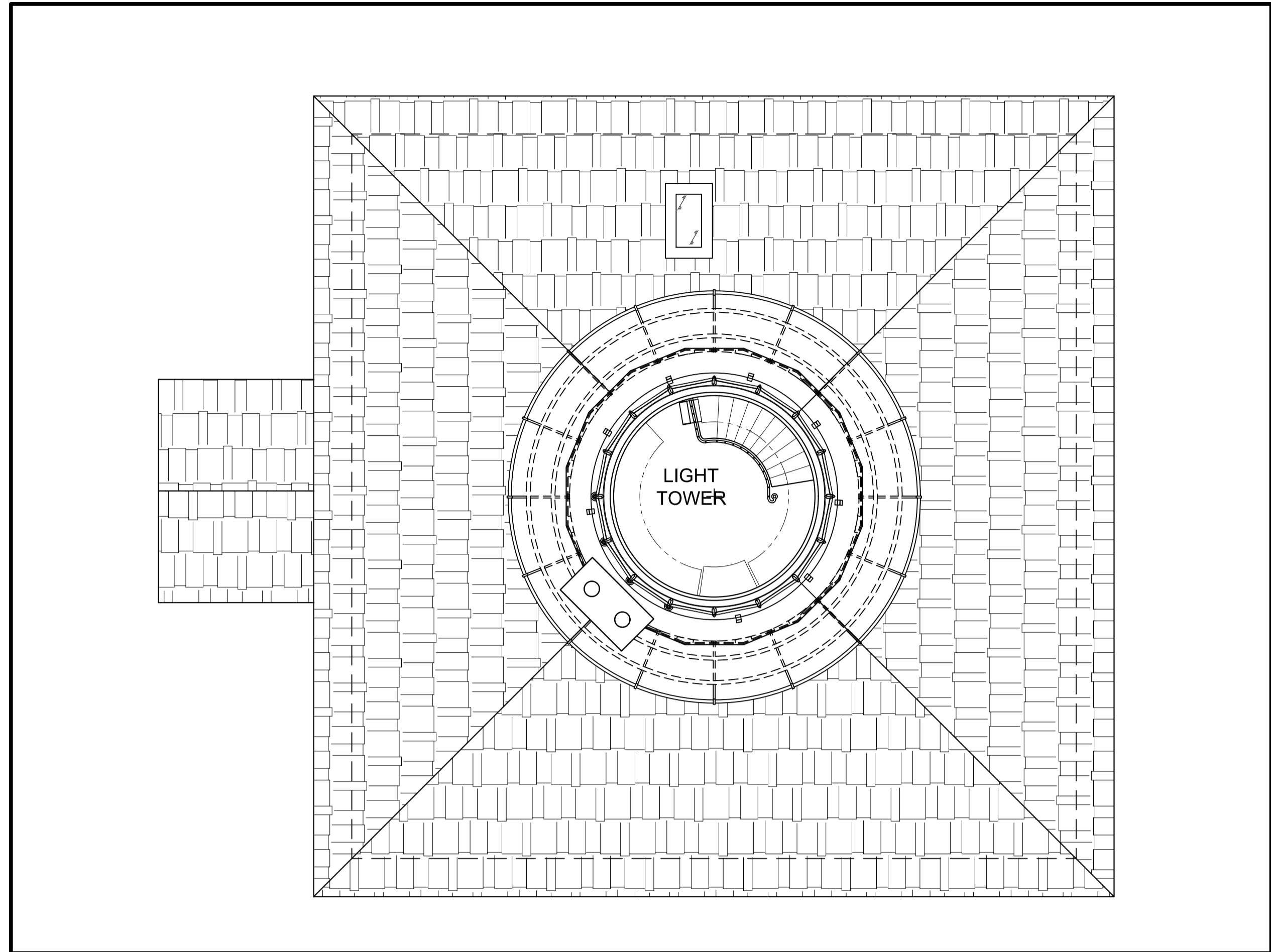
**BUILDING ELEVATIONS EXISTING CONDITIONS**

designed	G. SNOW	conçu
date	DEC. 2016	
drawn	C. BAIRD	dessiné
date	DEC. 2016	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSCG	
project number		no. du projet

PCAN582

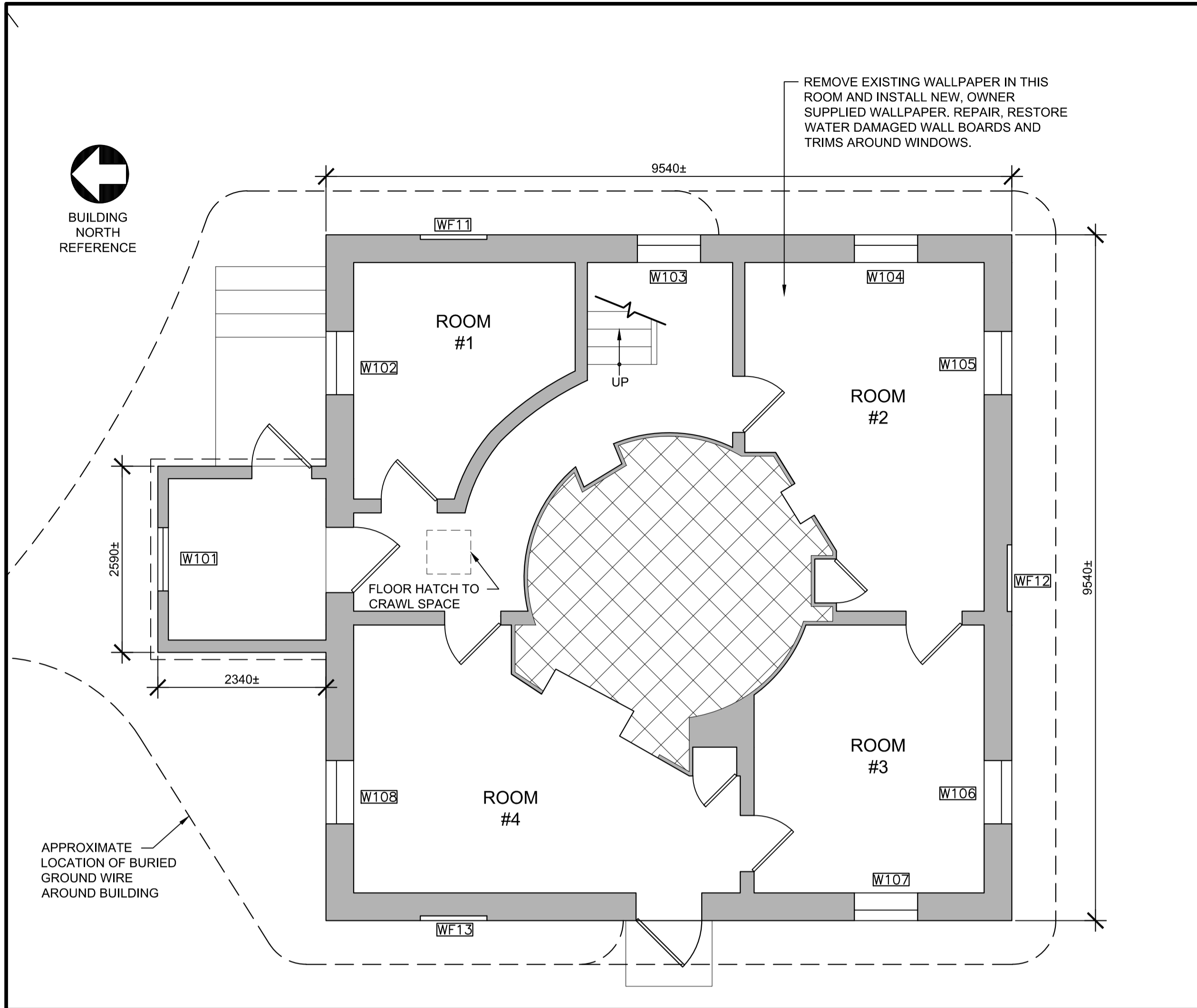
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A1



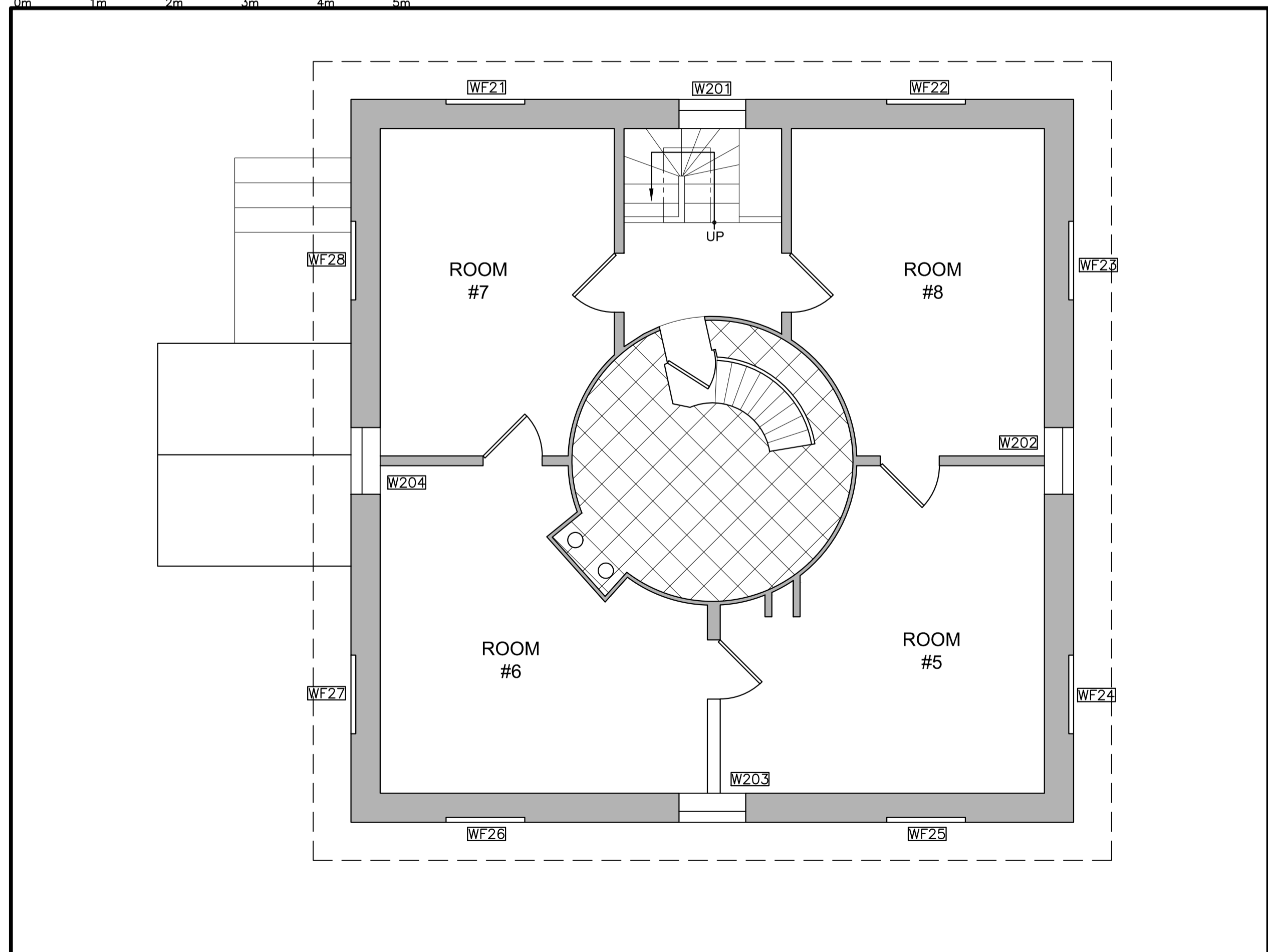
TOWER/ROOF PLAN - EXISTING CONDITIONS

4  
A2



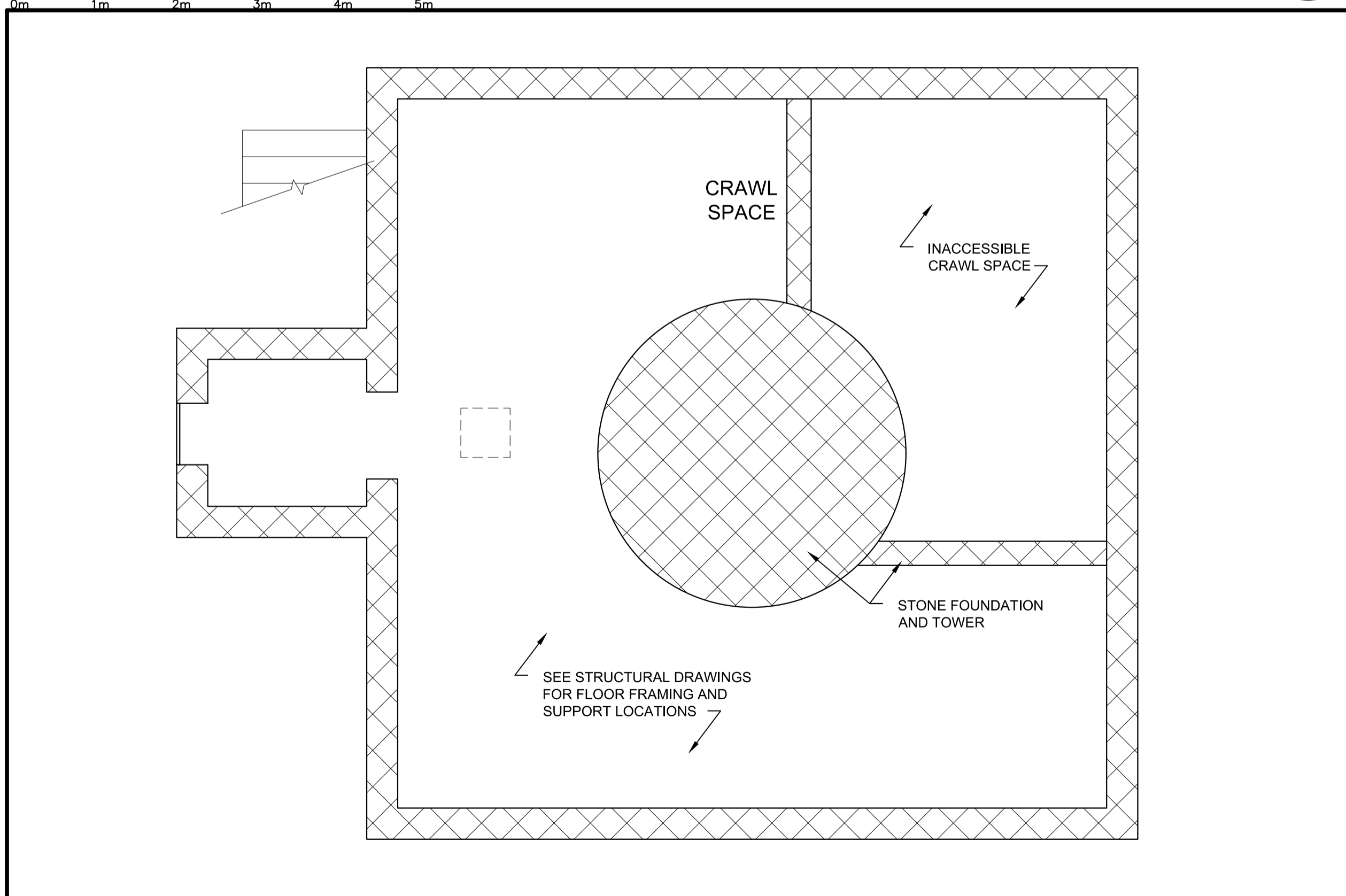
FIRST FLOOR PLAN - EXISTING CONDITIONS

2  
A2



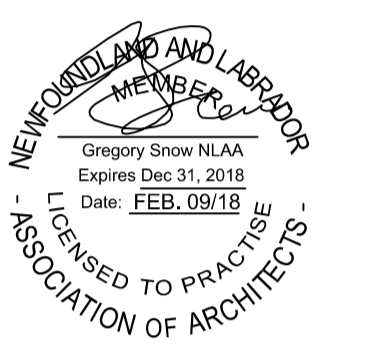
SECOND FLOOR PLAN - EXISTING CONDITIONS

3  
A2



CRAWL SPACE PLAN - EXISTING CONDITIONS

1  
A2



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revisions		date
project		projet

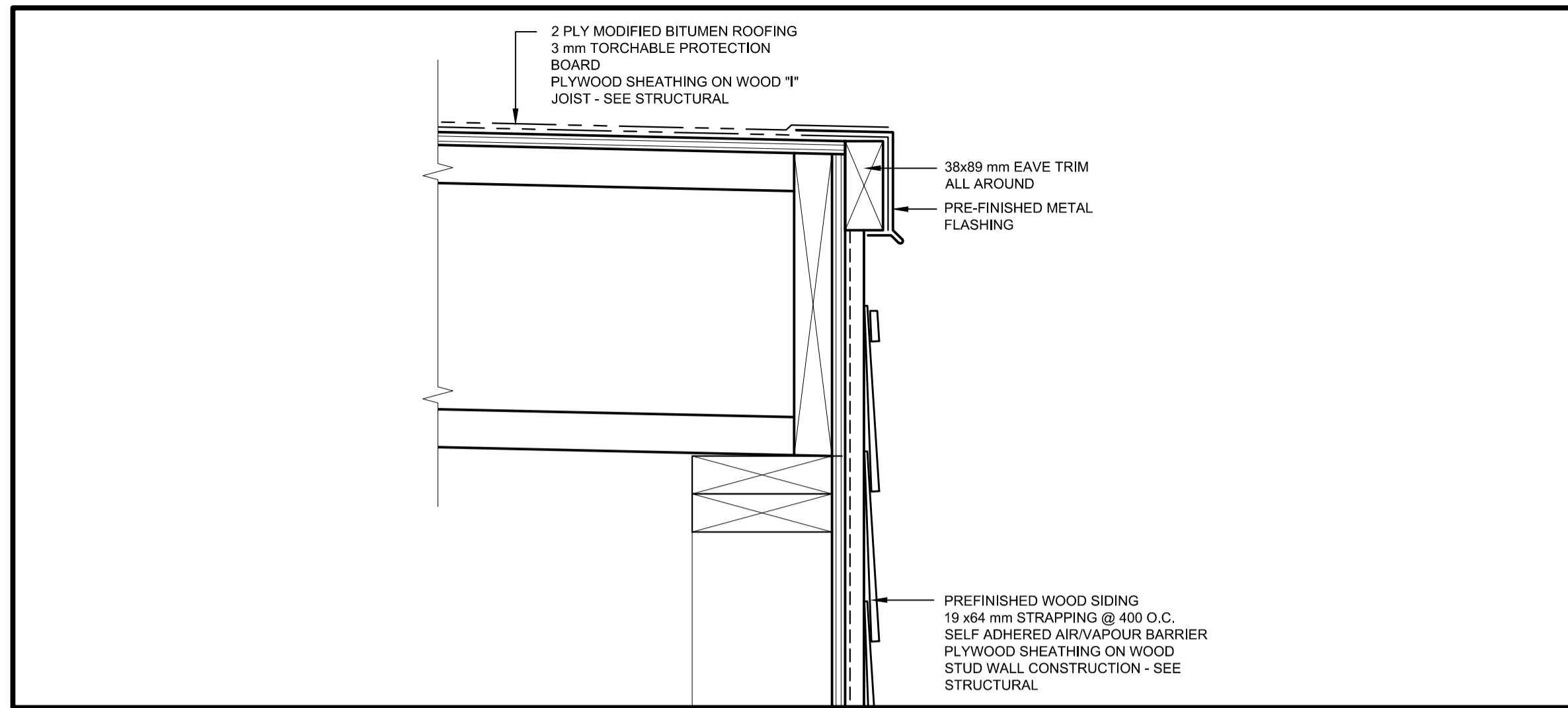
CAPE SPEAR NHS  
LIGHTHOUSE DOME  
RECAPITALISATION  
ST. JOHN'S, NL

PLANS, EXISTING  
CONDITIONS

designed	G. SNOW	conçu
date	DEC. 2016	
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date	DEC. 2016	
approved		approuvé
date		
Tender		Soumission

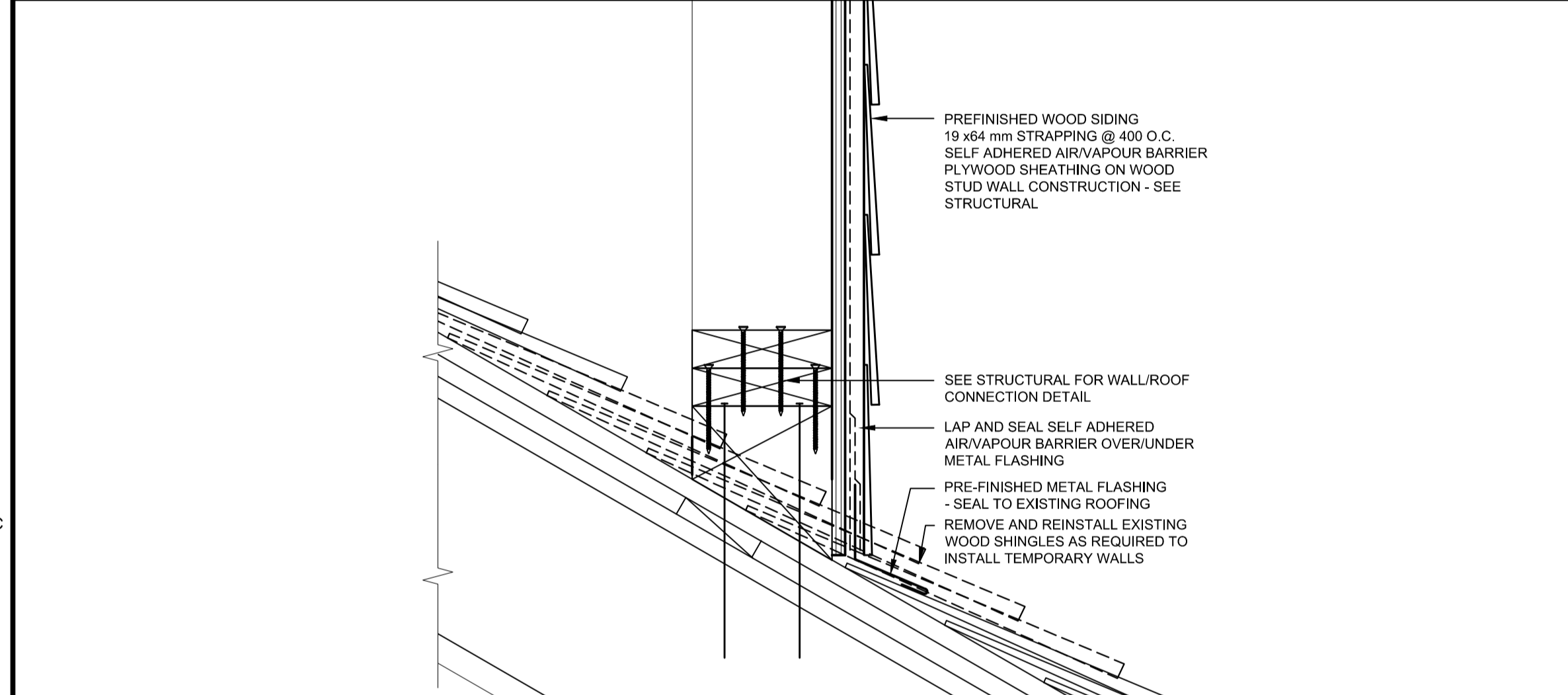
PWGSC Project Manager Administrateur de projets TPSCG  
project number no. du projet

PCAN582  
drawing no. no. du dessin  
A2



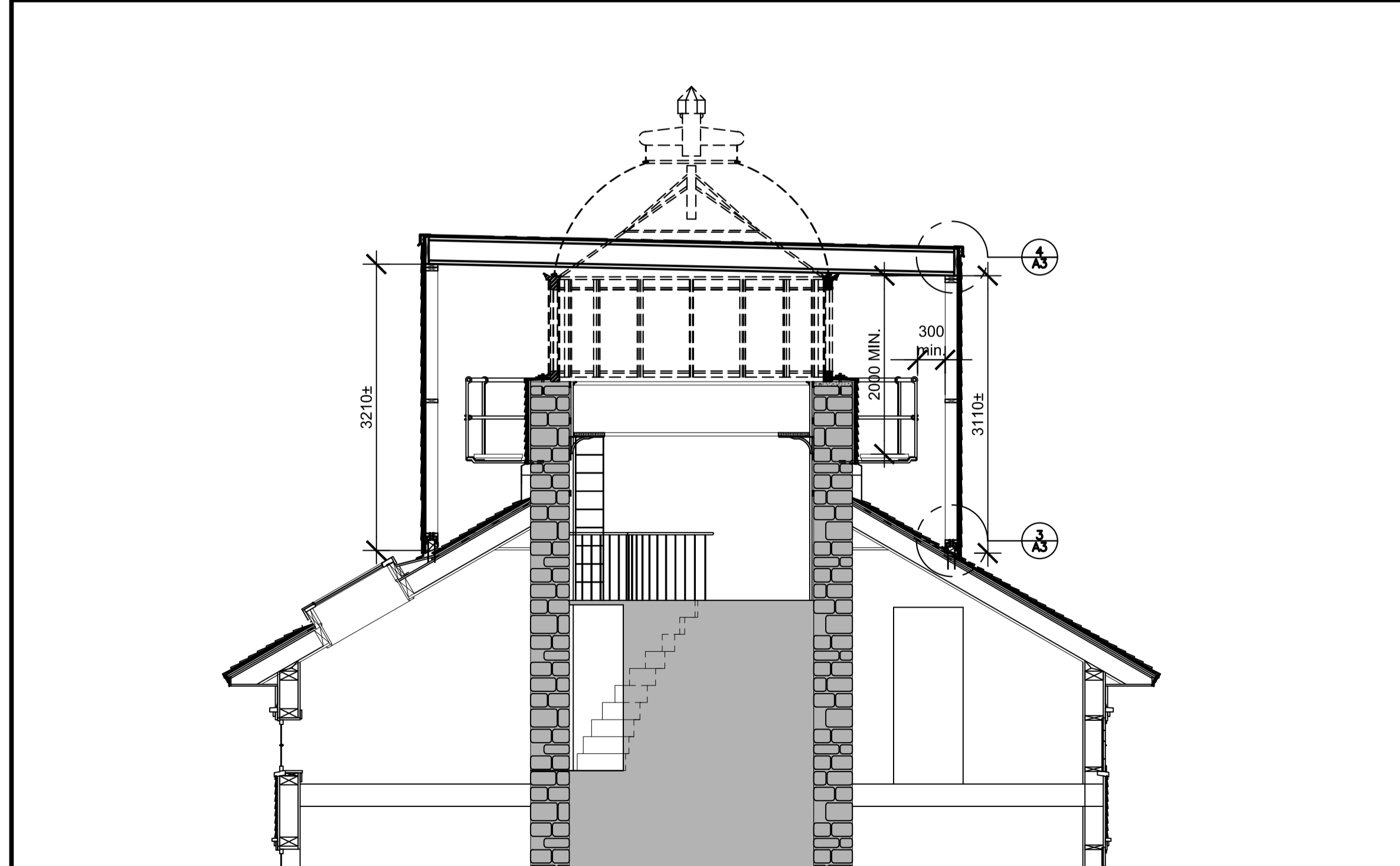
SHELTER WALL AT EAVE

SCALE: 1:5



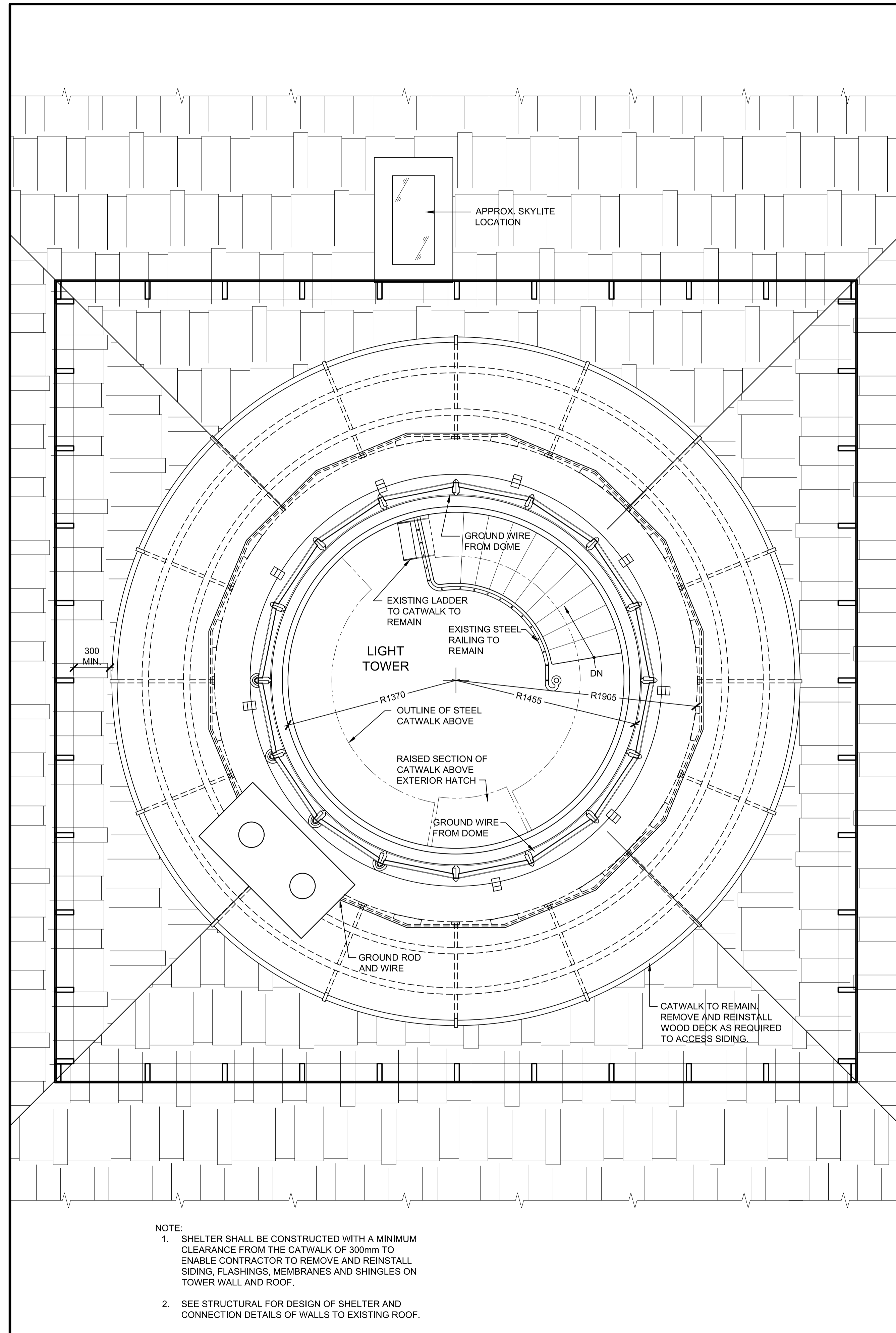
SHELTER WALL AT EXISTING ROOF

SCALE: 1:5



TEMPORARY ENCLOSURE SECTION

SCALE: 1:50



TEMPORARY ENCLOSURE/TOWER PLAN/ROOF PLAN

SCALE: 1:20

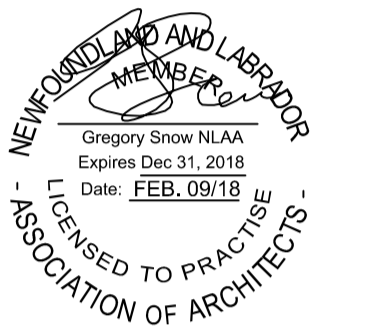


- NOTE:
- SHELTER SHALL BE CONSTRUCTED WITH A MINIMUM CLEARANCE FROM THE CATWALK OF 300mm TO ENABLE CONTRACTOR TO REMOVE AND REINSTALL SIDING, FLASHINGS, MEMBRANES AND SHINGLES ON TOWER WALL AND ROOF.
  - SEE STRUCTURAL FOR DESIGN OF SHELTER AND CONNECTION DETAILS OF WALLS TO EXISTING ROOF.

ARCHITECT:

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Tel: 709.738.4422  
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GSA #: 16-6100-01



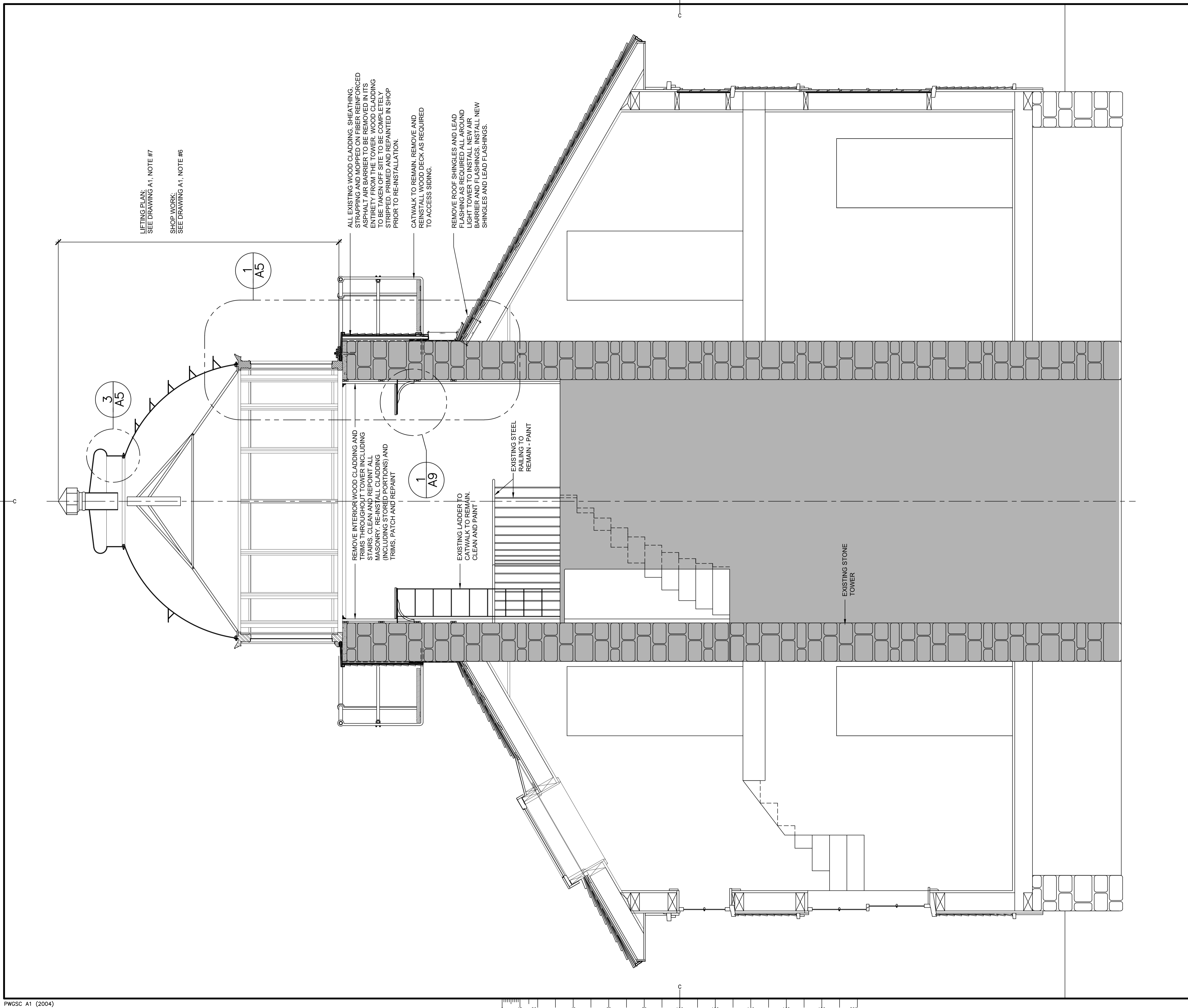
0	ISSUED FOR TENDER	FEB.9 2018
revisions		date
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CAPE SPEAR NHS LIGHTHOUSE DOME RECAPITALISATION  
ST. JOHN'S, NL

TEMPORARY ENCLOSURE, TOWER PLAN, SECTION AND DETAILS

designed	G. SNOW	conçu
date	DEC. 2016	
drawn	C. BAIRD	dessiné
date	DEC. 2016	
approved		approuvé
date		
Tender		Soumission
PWSC Project Manager	Administrateur de projets TPSCG	
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PCAN582  
drawing no. / no. du dessin  
A3



LIFTING PLAN:  
SEE DRAWING A1, NOTE #7

SHOP WORK:  
SEE DRAWING A1, NOTE #6

REMOVE INTERIOR WOOD CLADDING AND TRIMS THROUGHOUT TOWER INCLUDING STAIRS. CLEAN AND REPOINT ALL MASONRY. RE-INSTALL CLADDING (INCLUDING STORED PORTIONS) AND TRIMS. PATCH AND REPAINT

REMOVE ROOF SHINGLES AND LEAD FLASHING AS REQUIRED ALL AROUND LIGHT TOWER TO INSTALL NEW AIR BARRIER AND FLASHINGS. INSTALL NEW SHINGLES AND LEAD FLASHINGS.

CATWALK TO REMAIN. REMOVE AND REINSTALL WOOD DECK AS REQUIRED TO ACCESS SIDING.

EXISTING STEEL RAILING TO REMAIN - PAINT

EXISTING LADDER TO REMAIN. CLEAN AND PAINT

EXISTING STONE TOWER

1  
A4

ARCHITECT:

**Gibbons + Snow** architects

Suite 201  
Caledonia Place  
40 Quidi Vidi Road  
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Tel: 709.738.4422  
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**CAPE SPEAR NHS LIGHTHOUSE DOME RECAPITALISATION**

**ST. JOHN'S, NL**

drawing dessin

**BUILDING SECTION**

designed	G. SNOW	conçu
date	DEC. 2016	
drawn	C. BAIRD	dessiné
date	DEC. 2016	
approved		approuvé
date		
Tender		Soumission
PWGC Project Manager	Administrateur de projets TPSCG	
project number		no. du projet

**PCAN582**

drawing no. no. du dessin

**A4**

**BUILDING SECTION**

SCALE : 1:20

0mm 500mm 1000mm 1500mm 2000mm 2500mm

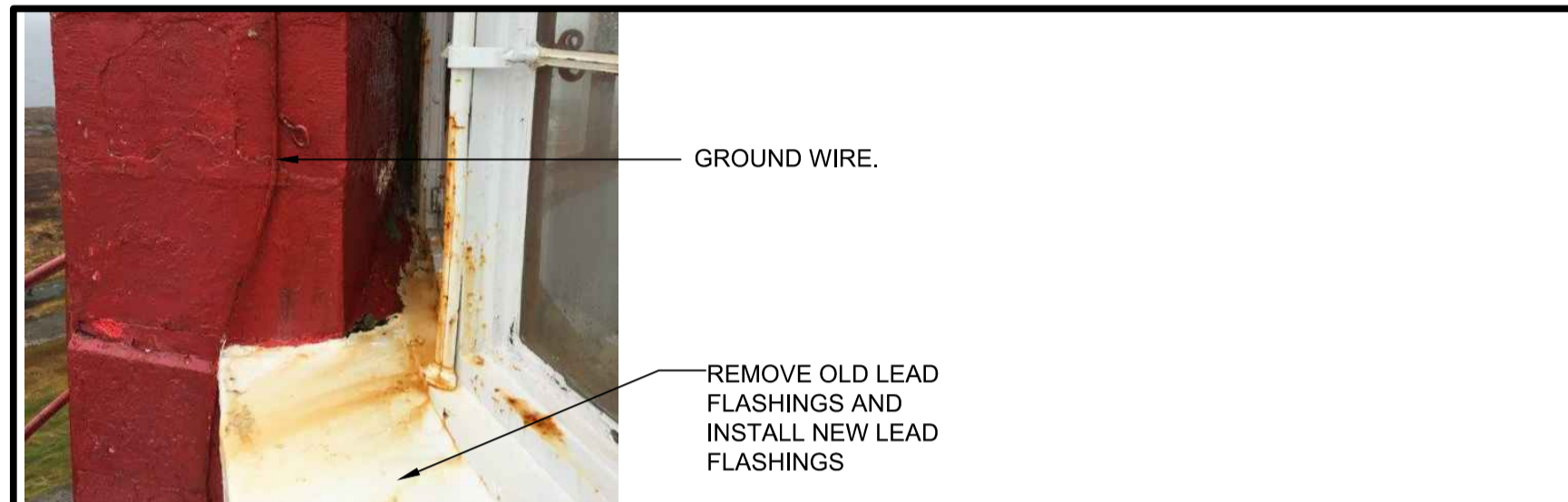




**DOMES GLAZING HEAD AT CHIMNEY**

SCALE: N.T.S.

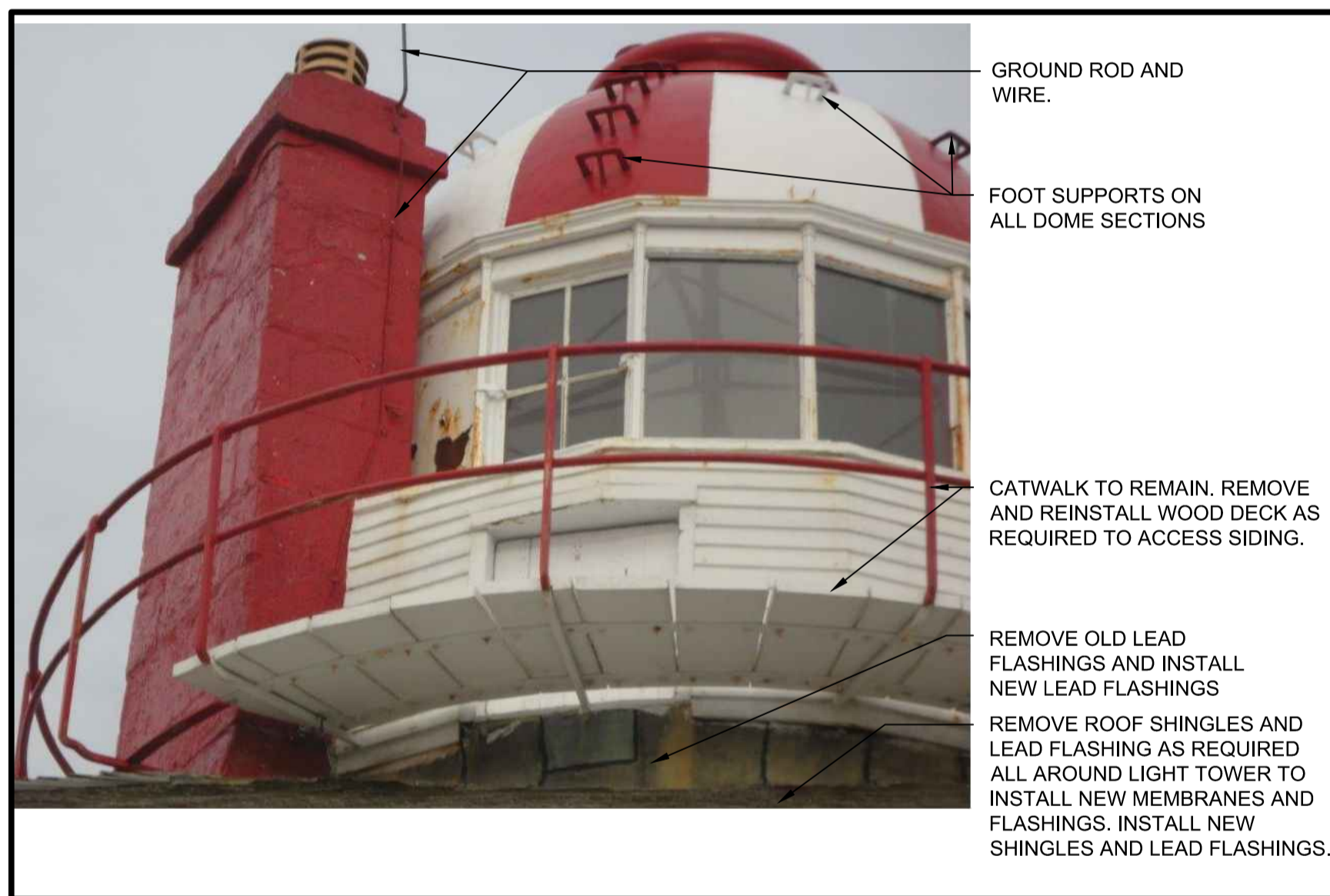
**C  
A5**



**DOMES GLAZING BASE AT CHIMNEY**

SCALE: N.T.S.

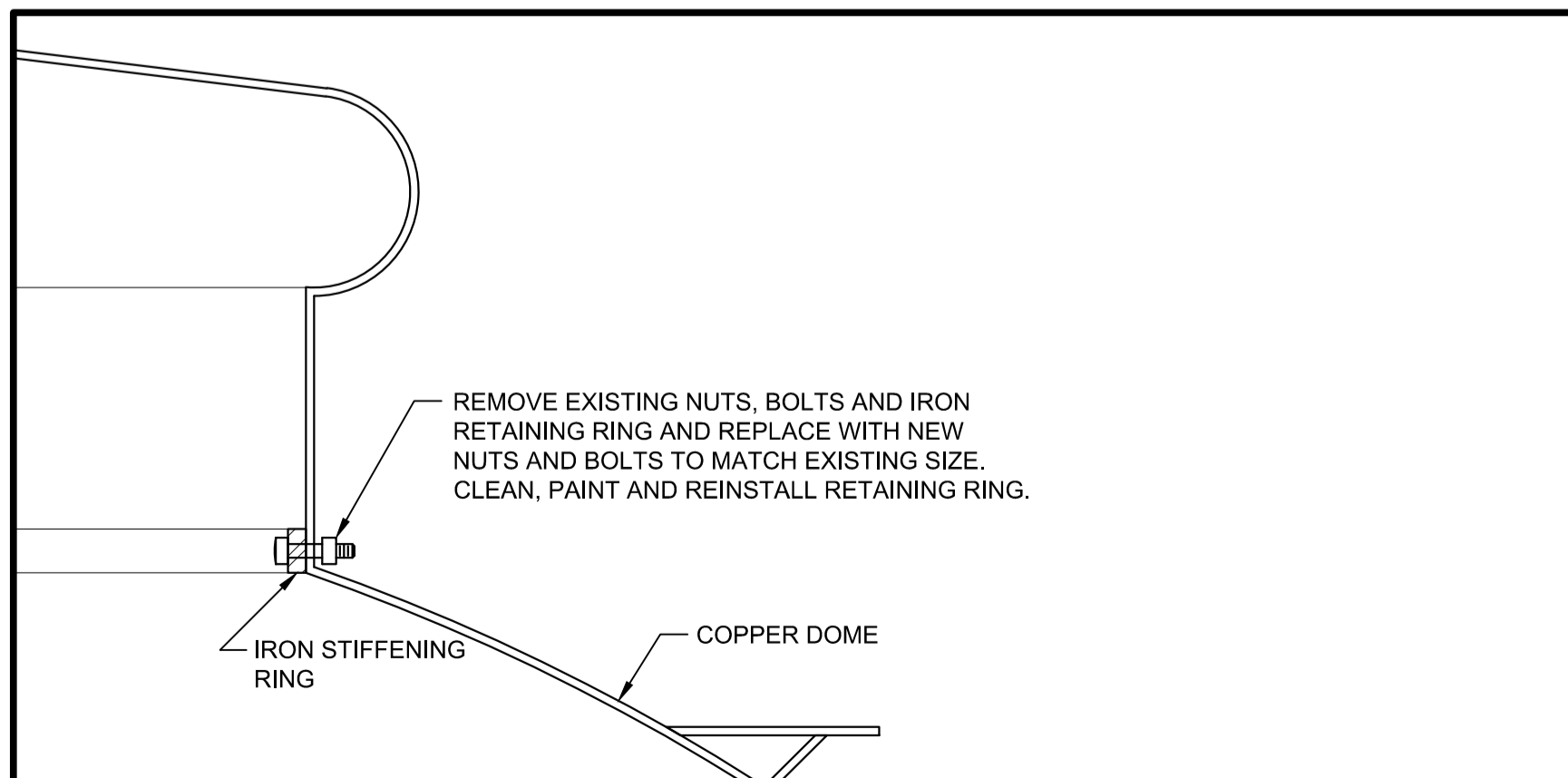
**B  
A5**



**DOMES ELEVATION AT ROOF**

SCALE: N.T.S.

**A  
A5**

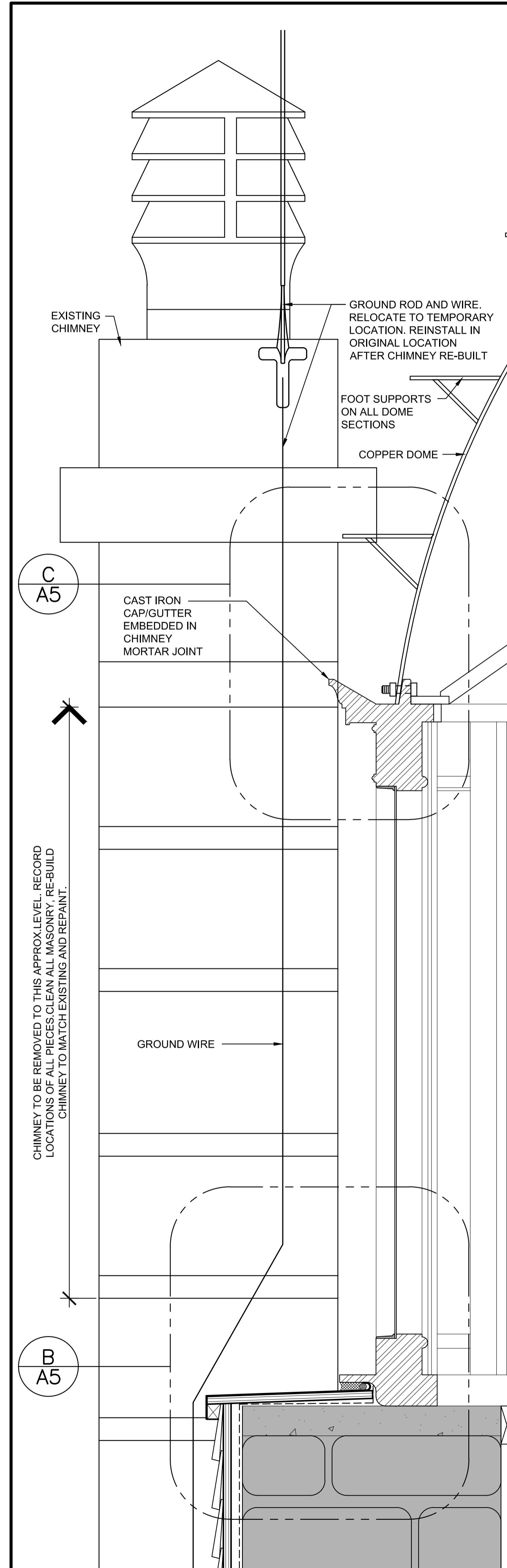


**DOMES SECTION**

SCALE: 1:5



**3  
A5**

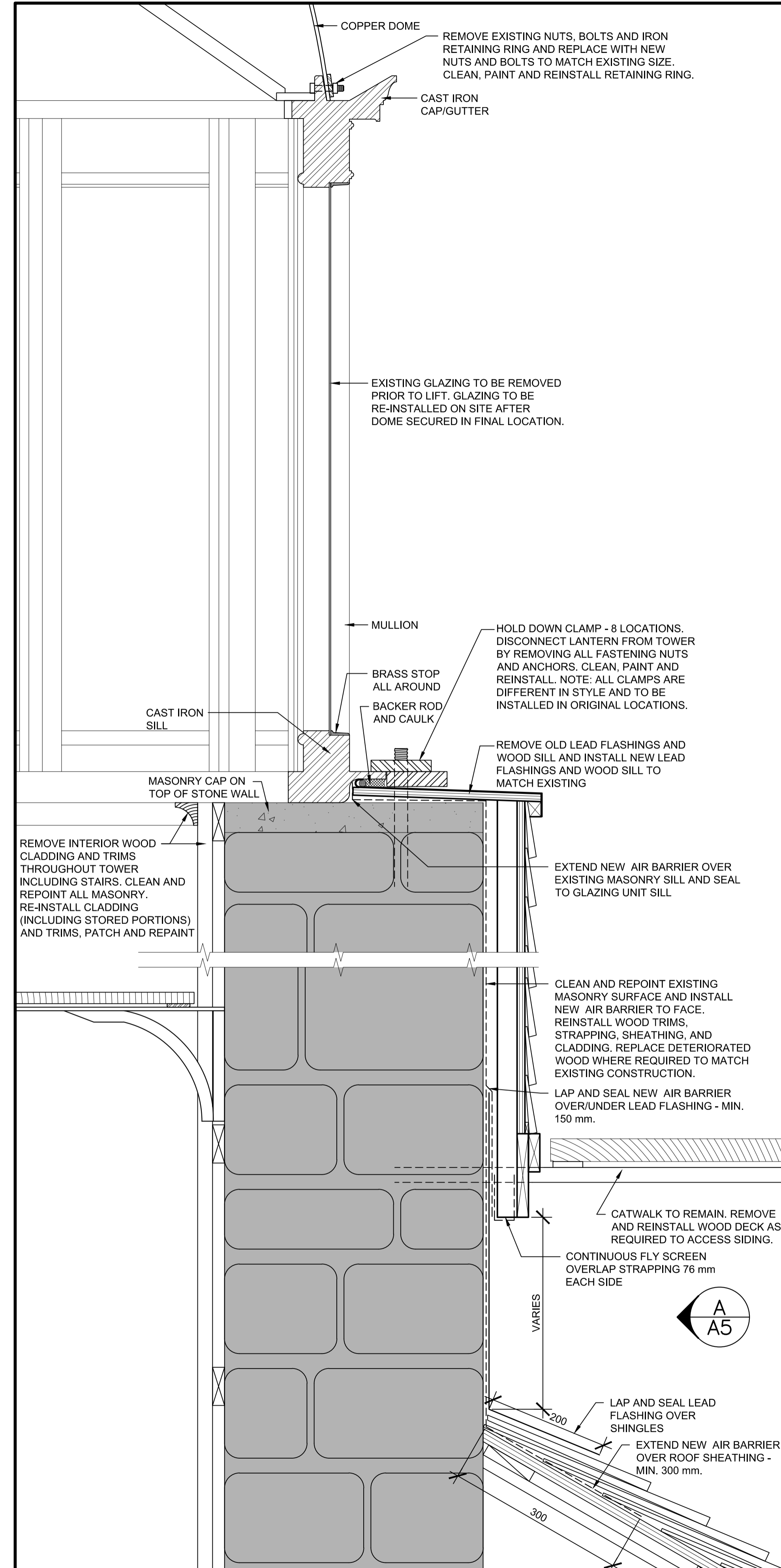


**DOMES SECTION AT CHIMNEY - EXIST. COND.**

SCALE: 1:5



**2  
A5**

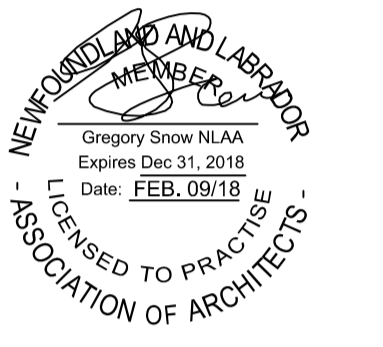


**DOMES SECTION**

SCALE: 1:5



**1  
A5**



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revisions		date
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**CAPE SPEAR NHS LIGHTHOUSE DOME RECAPITALISATION**

**ST. JOHN'S, NL**

**DOMES DETAILS**

designed	G. SNOW	conçu
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drawing no. no. du dessin

**A5**