

Filename: \\volumes\mother\2 PROJECT FILES\ACTIVE\FORT MISSISSAUGA\3 WORKING DRAWINGS\Site Plan WD.pln Plotted: 2016-07-12 2:00 PM



06	Re-issued for Tender	2016/07/12
05	Re-issued for Tender	2016/06/14
04	Issued for tender	2016/05/12
03	Issued for 99% review	2016.04.28
02	Issued for 66% review	2016.03.09
01	Issued for 33% review	2016.02.05
revision	issued / revisions	date

Do not scale drawings.  
Verify all dimensions and conditions on site and  
immediately notify the engineer of all discrepancies.

<div><div>A</div><div>B</div></div>	A Detail number B Sheet number	A Numero de detail B Sur feuille numero
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Linear dimensions in  
millimeters  
Dimensions lineaires  
en millimetres

Client Acceptance / Acceptation du client

Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No. / No. de dossier \_\_\_\_\_



Canada

PARKS CANADA  
SOUTHWESTERN ONTARIO FIELD UNIT

**BARRY PADOLSKY  
ASSOCIATES INC.  
ARCHITECTS**

377 Dufferin Street, Ottawa, ON K1N 9N5  
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**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin

**SITE PLAN**

Scale / Echelle

1:250

Drawn by/ Dessine par  
AC/ML

Date  
2016-07-12

Field Recording by /  
Releve-Temoin par

Date

Approved by / Approuve par  
LM

Date  
2016-07-12

Checked by/ Verifie par  
LM

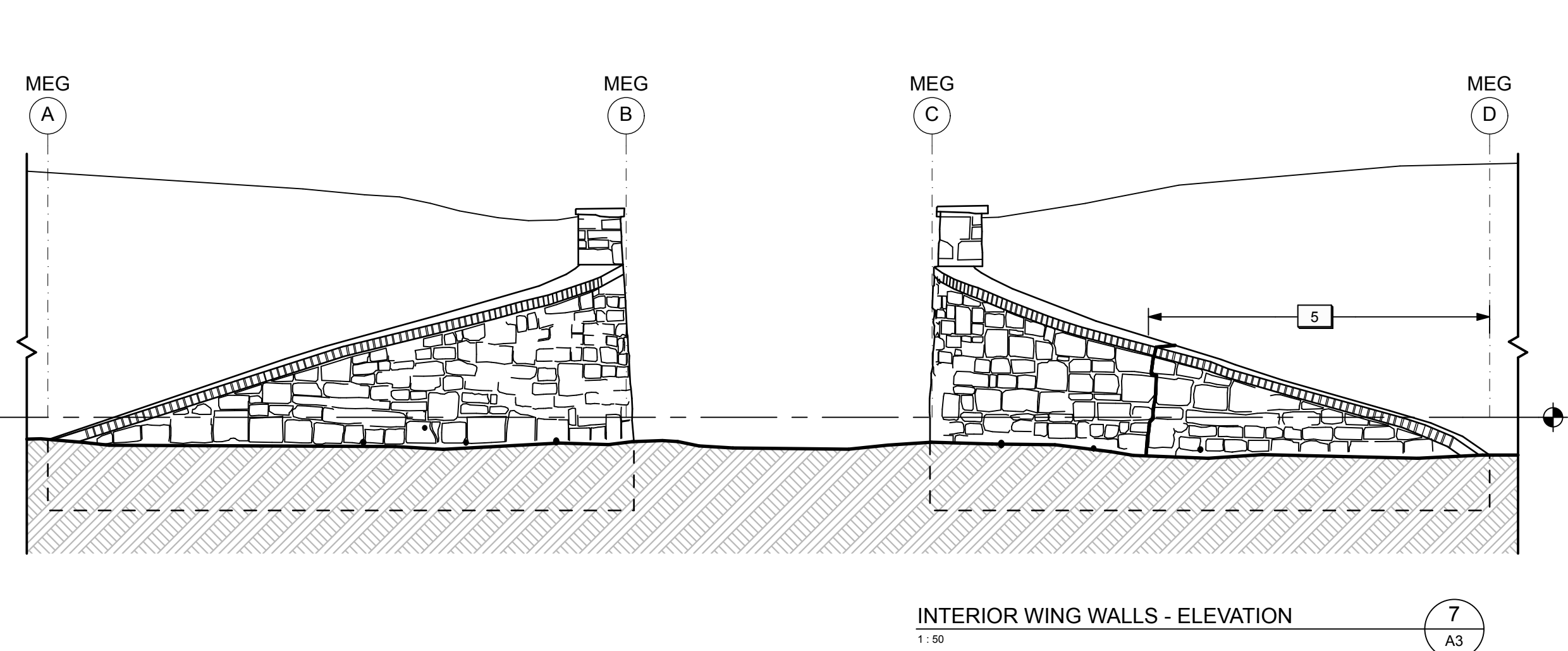
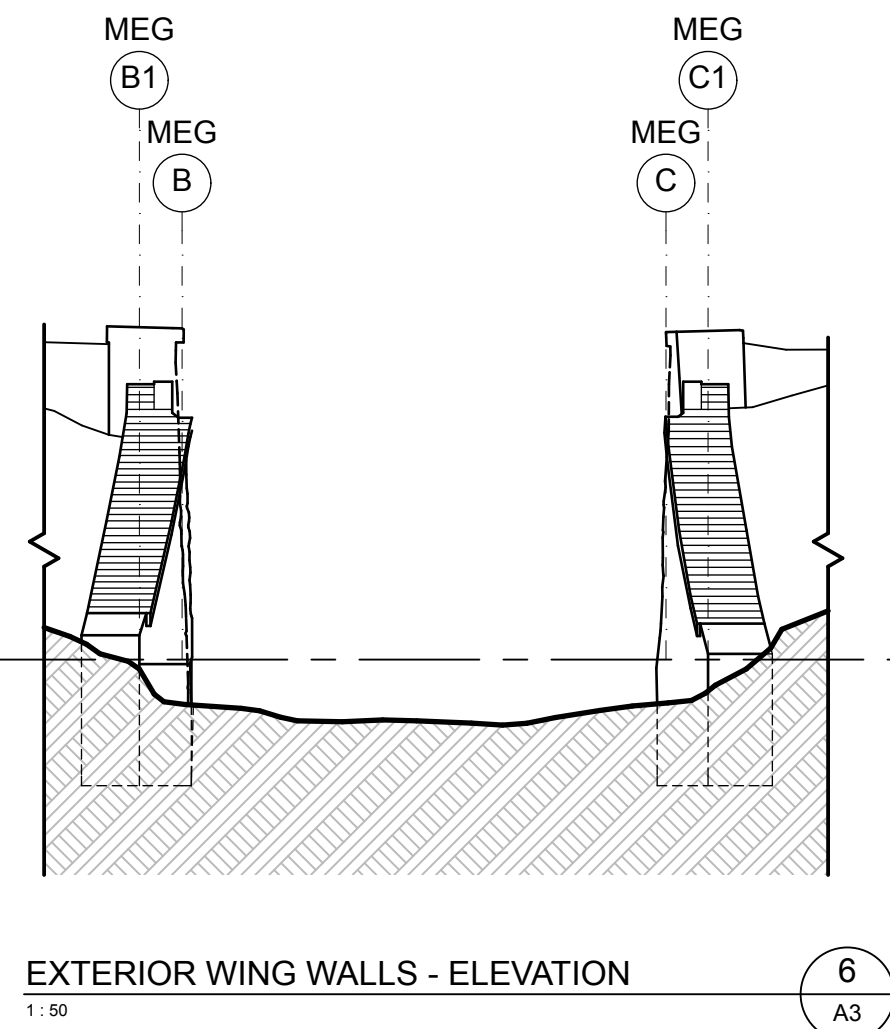
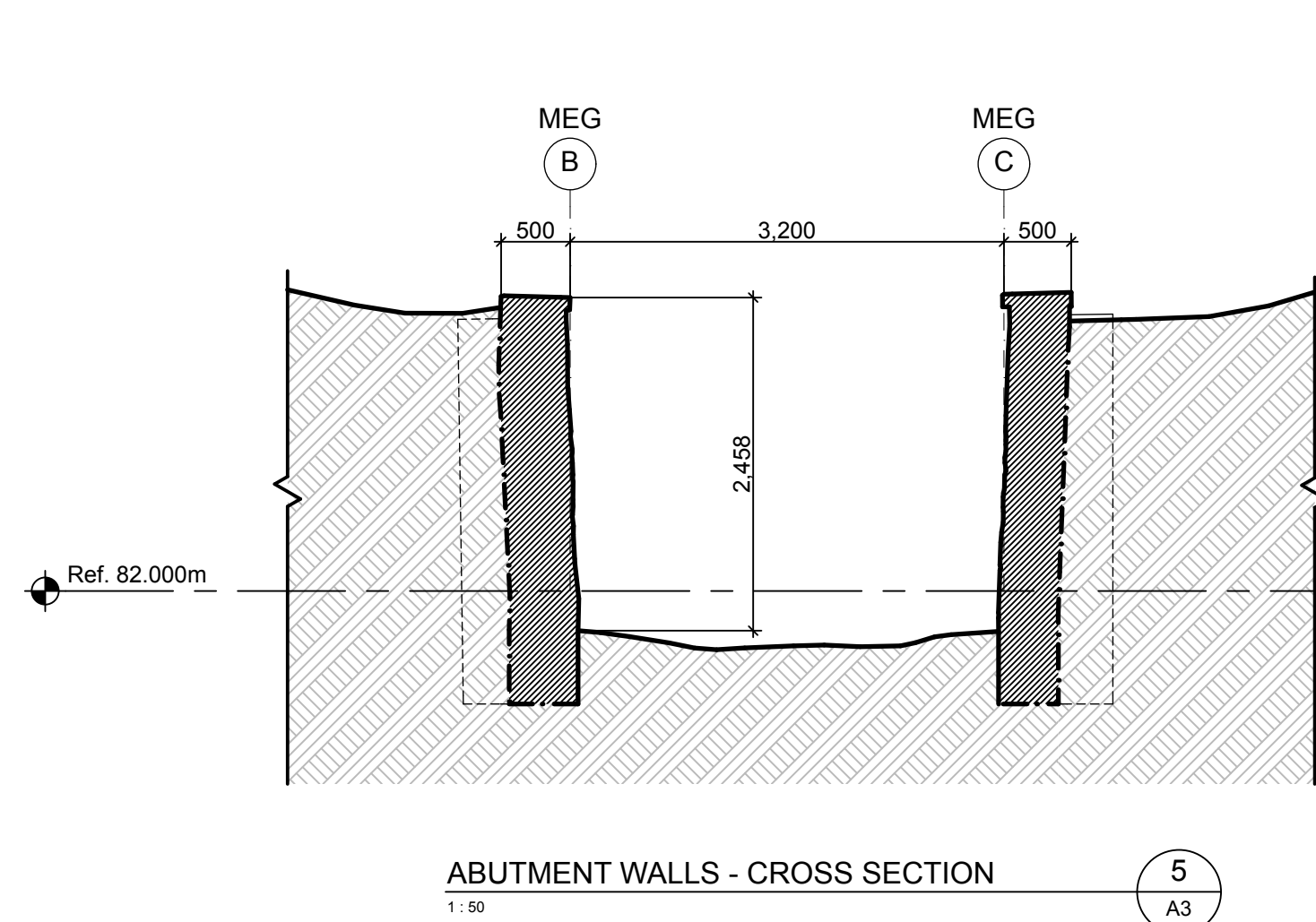
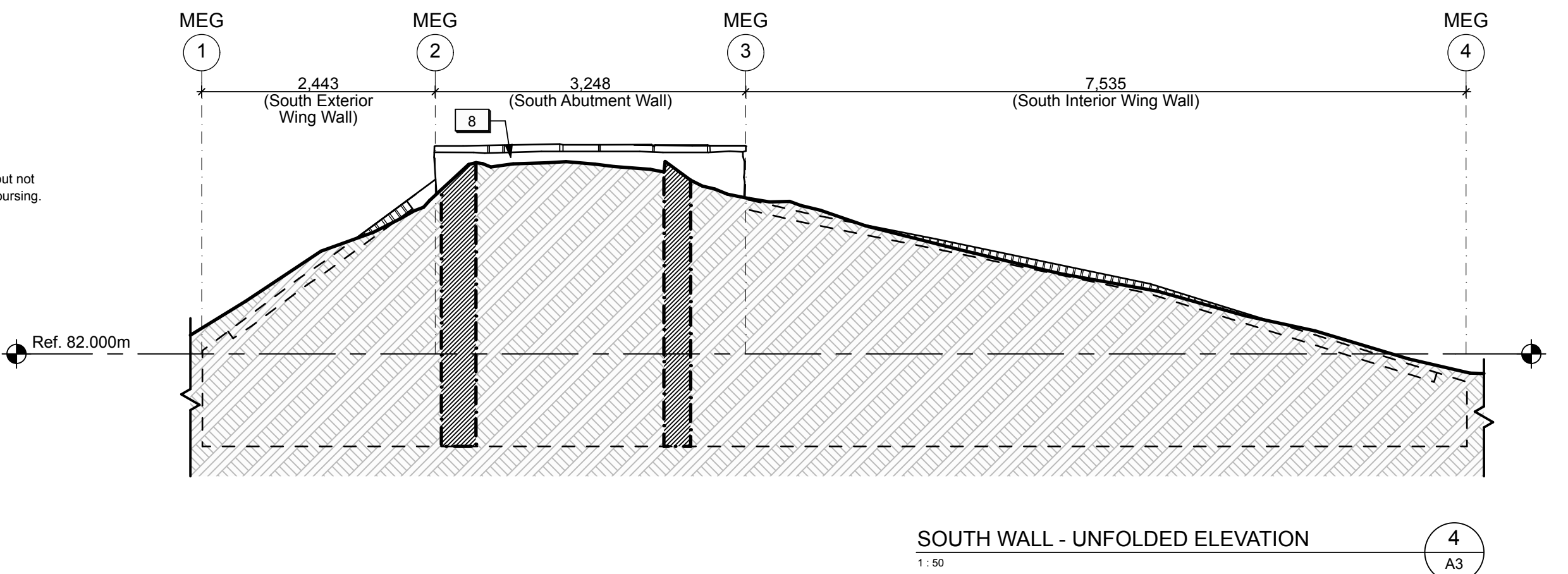
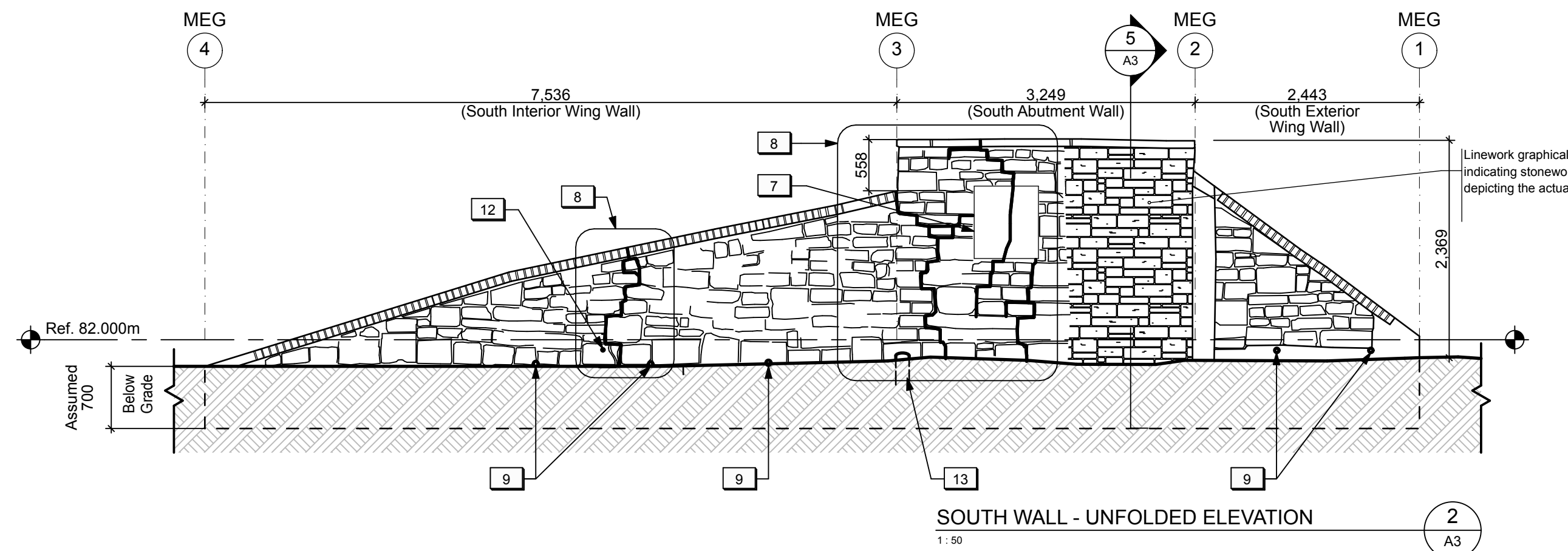
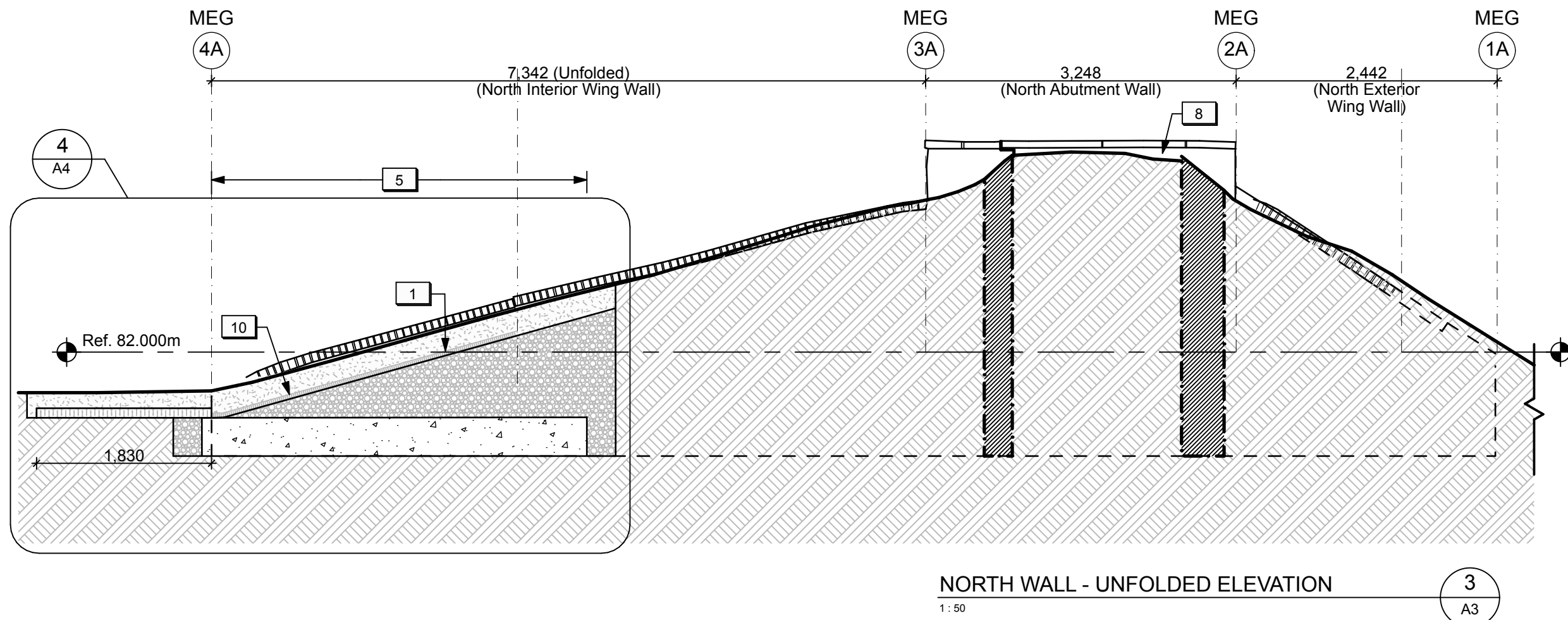
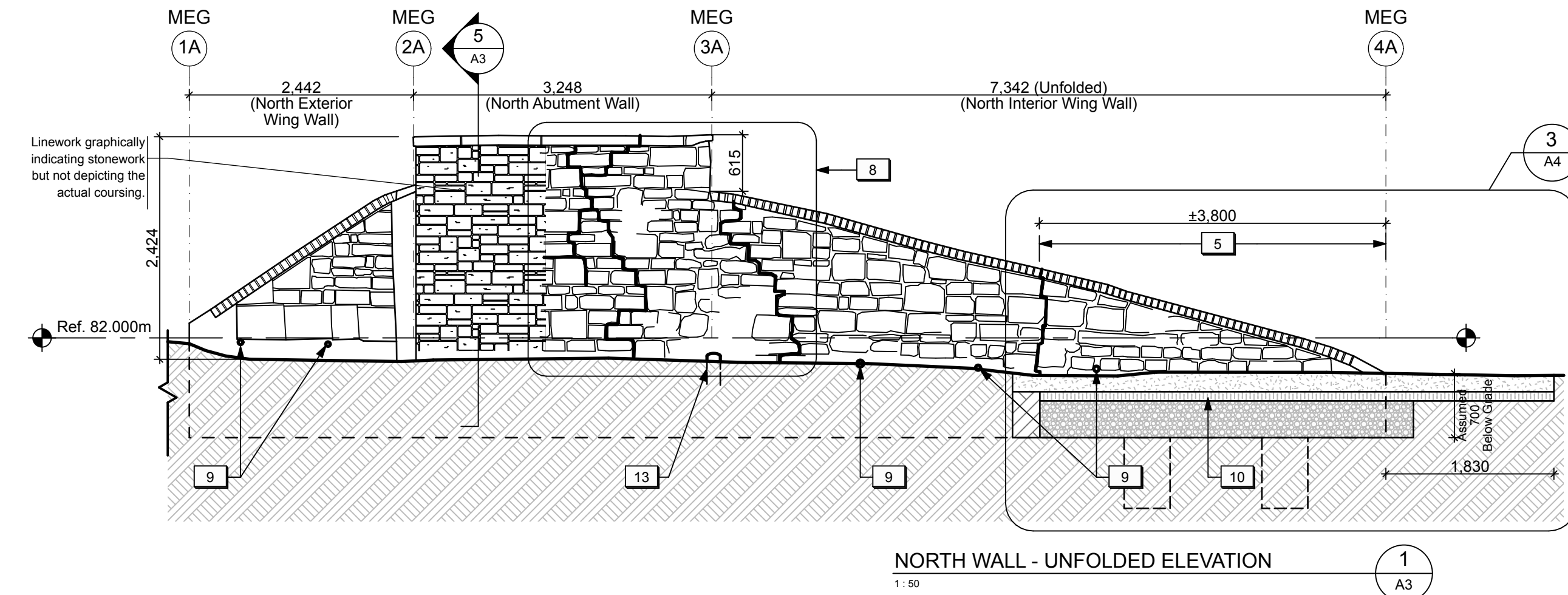
Project No./ No. du projet PRO 000808	Asset No. 1300164 1300182	Sheet No./ Feuille No.
Drawing Reference No./No. du Dessin		<b>A1</b>



A2



Filename: /Volumes/Mother/2 PROJECT FILES/ACTIVE/FORT MISSISSAUGA/WORKING DRAWINGS/Main Entrance Gate WD.plt Plotted: 2016-07-12 1:56 PM



#### DRAWING NOTES (MAIN ENTRANCE GATE)

1. New Granular A backfill. Refer to Landscape.
2. New topsoil and sod. Refer to Landscape.
3. Temporary shoring wall for excavation. Refer to Structural.
4. Backfill with original earth. Refer to Structural.
5. Existing end portion of north interior wing wall to be reconstructed using salvaged heritage masonry as detailed. Reconstructed wall to be supported on a new concrete footing. Refer to Structural.
6. New brick, as required, to match existing brick cap.
7. Existing historic plaque to be restored and reinstalled by Parks Canada.
8. Area of localized masonry structural crack repair (unit price). Refer to Details 2/A4 & 2.1/A4.

9. Existing drainage holes to be clear of debris/free-draining.
10. New horizontal insulation below grade to protect new concrete footing. Refer to Structural.
11. New vertical insulation c/w Miradrain. Refer to Structural.
12. Existing historical benchmark to remain. Remove and reset if required for localized masonry structural crack repair.
13. Existing metal wheel guard to remain.
14. Reconstruct brick wall cap using salvaged heritage masonry.
15. Reconstruct stone wall face using salvaged heritage stone.
16. Reconstruct rubble wall structure behind heritage stone using salvaged stone. Provide allowance for the use of new stone rubble, if required.
17. Provide drainage holes. Refer to Structural.

18. New concrete footing. Refer to Structural.
19. New concrete caisson. Refer to Structural.
20. New dowels set into existing stone wall to tie in with new concrete footing. Refer to Structural.
21. New weeping tile. Refer to Structural.
22. New French drain. Refer to Landscape.

#### GENERAL NOTES (MAIN ENTRANCE GATE)

1. General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces.

#### LEGEND (MAIN ENTRANCE GATE):

- Existing sub-grade to remain.
- New topsoil and sod.
- New stone dust surface.
- Existing masonry structure to remain.
- Existing stone wall to be reconstructed.
- New granular fill.
- Reinstated native fill.
- Existing structural crack. (Approx. location)



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**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

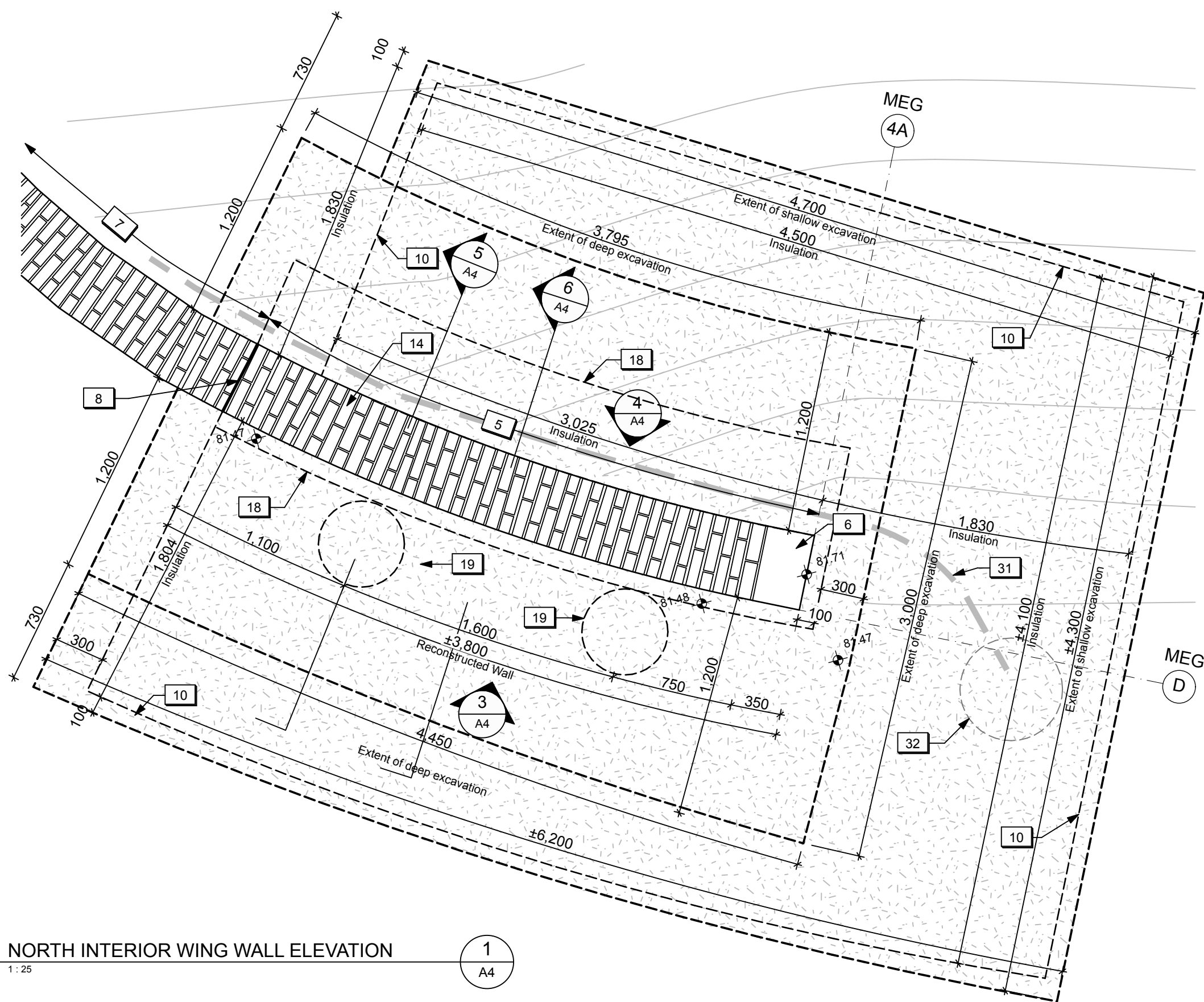
Drawing title / Titre du dessin

**MAIN ENTRANCE GATE  
SECTIONS & ELEVATIONS**

Scale / Echelle 1:50	Date 2016-07-12
Drawn by/ Dessine par AC/ML	Date 2016-07-12
Field Recording by / Releve-Temoin par	Date
Approved by / Approuve par LM	Date 2016-07-12
Checked by/ Verifie par LM	
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Drawing Reference No./No. du Dessin	Sheet No./ Feuille No. <b>A3</b>



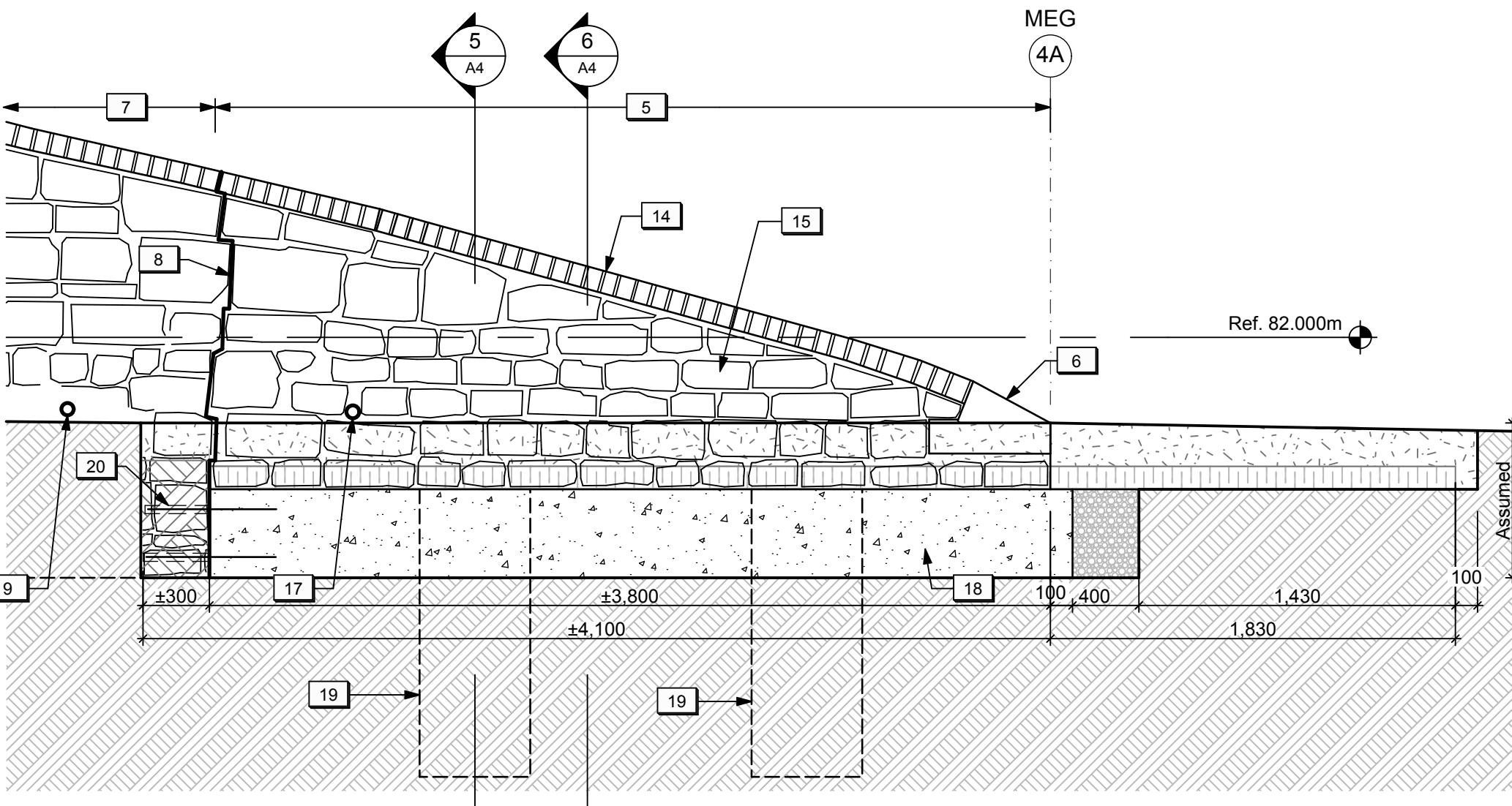
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NORTH INTERIOR WING WALL ELEVATION

1:25

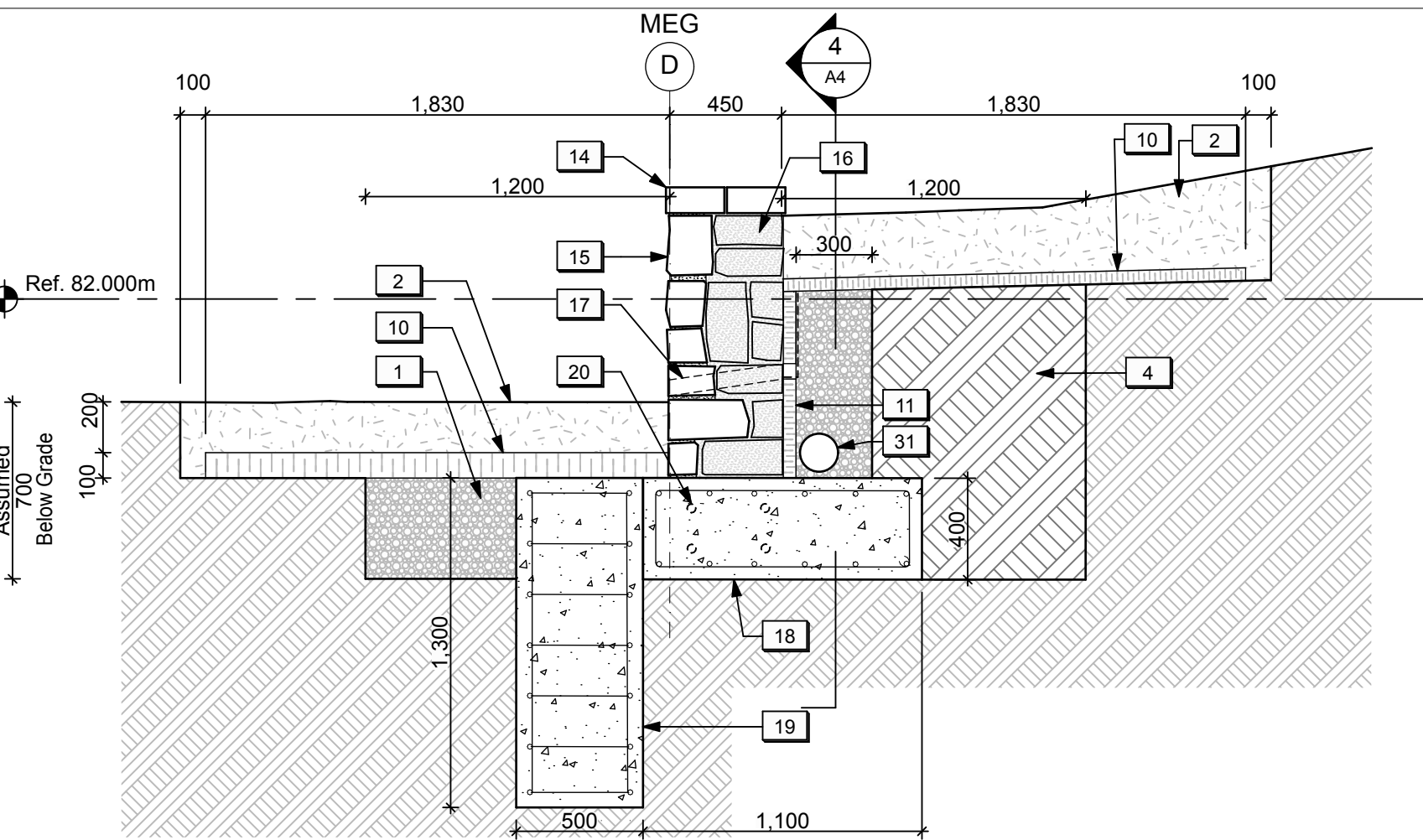
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A4



NORTH INTERIOR WING WALL - ELEVATION

1:25

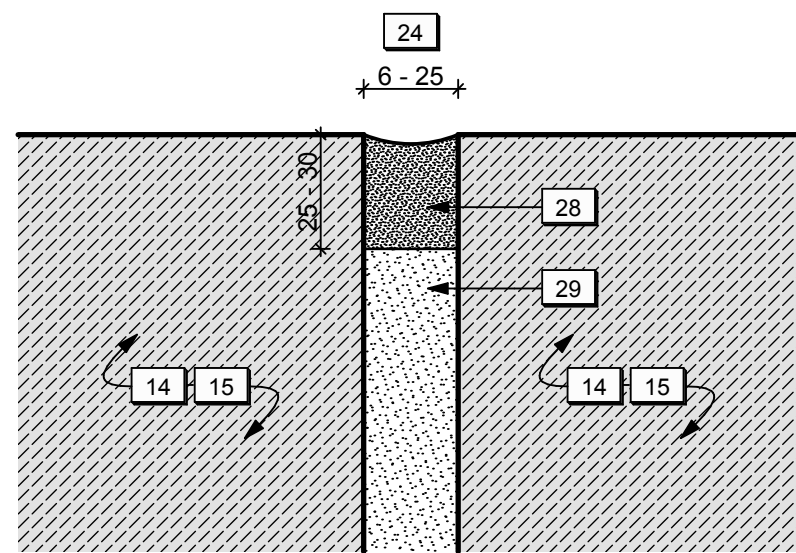
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NORTH INTERIOR WING WALL - SECTION THROUGH CAISSON

1:25

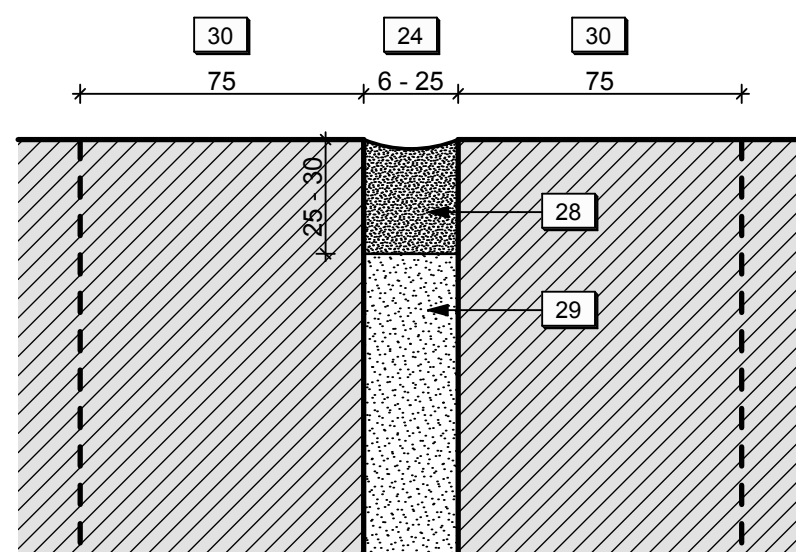
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A4



TYPICAL REPOINTING DETAIL,  
RECONSTRUCTED MASONRY WALL

1:2

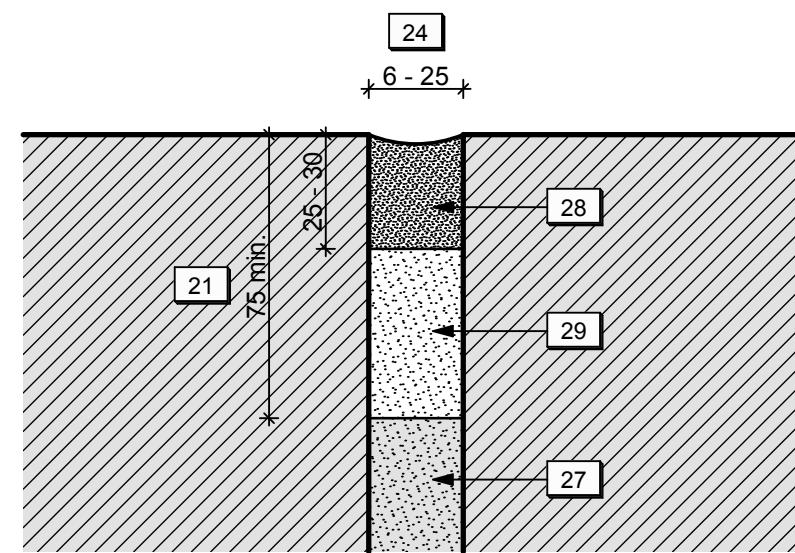
2.2  
A4



TYPICAL STRUCTURAL CRACK REPAIR DETAIL,  
MASONRY WALLS

1:2

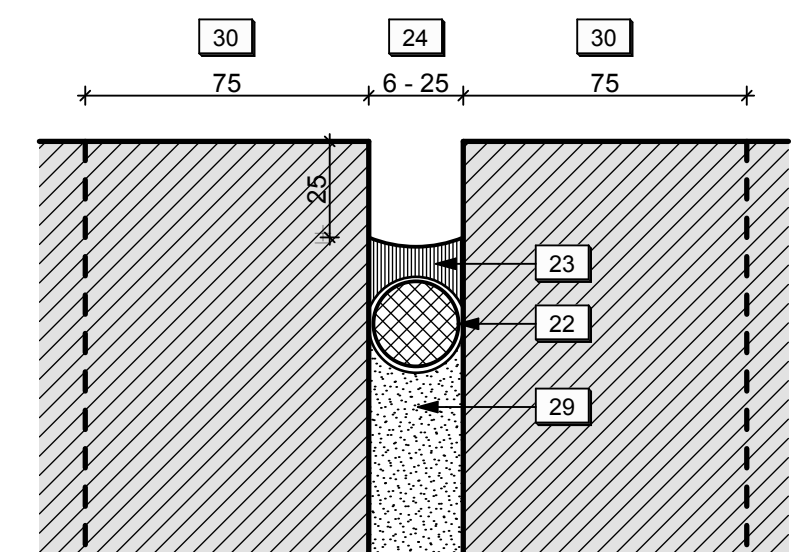
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A4



TYPICAL REPOINTING DETAIL,  
EXISTING MASONRY WALL

1:2

2.3  
A4



TYPICAL STRUCTURAL CRACK REPAIR DETAIL,  
MASONRY COPINGS

1:2

2.1  
A4

DRAWING NOTES (MAIN ENTRANCE GATE DETAILS):

1. New Granular A backfill. Refer to Landscape.
2. New topsoil and seed. Refer to Landscape.
3. Temporary shoring wall for excavation. Refer to Structural.
4. Excavated area to be reinstated with compacted fill. Refer to Structural/Landscape.
5. Extent of reconstructed end portion of north interior wing wall. Refer to Structural.
6. Reinstated stone end cap.
7. Existing north interior wing wall to remain.
8. Area of localized masonry structural crack repair (unit price). Refer to Detail 2.1/A4.
9. Existing drainage holes to be clear of debris/free-draining.
10. New horizontal insulation below grade to protect new masonry footing. Refer to Structural.
11. New vertical insulation c/w Miradrain. Refer to Structural.
12. Reserved.
13. Reserved.
14. Reconstructed brick coping using salvaged heritage masonry.
15. Reconstructed cut stone wall using salvaged heritage stone.
16. Reconstructed rubble stone wall structure using salvaged heritage stone. Provide allowance for the use of new stone rubble, if required.
17. New drainage hole, similar to existing drainage holes.
18. New concrete footing. Refer to Structural.
19. New concrete caisson. Refer to Structural.
20. New dowels set into existing stone wall to tie in with new concrete footing. Refer to Structural.
21. Rake out existing crack at mortar joint to a minimum depth of 76 mm.
22. Compressed foam backer rod to suit joint width. Refer to Specifications.
23. Sealant. Refer to Specifications.
24. Existing joint width.
25. Sealant depth to be half of joint width, but not greater than 12.7 mm or less than 3.2 mm.
26. Keep back 25 mm from face of stone.
27. Existing mortar.
28. New finish mortar, flush with stone face. Refer to Specifications.
29. New back mortar. Refer to Specifications.
30. Rake & repoint existing masonry 75 mm beyond structural crack, both sides.
31. New weeping tile. Refer to Structural.
32. New French drain. Refer to Landscape.

LEGEND (MAIN ENTRANCE GATE):

- Existing sub-grade to remain.
- New topsoil and seed.
- New granular fill.
- Reinstated native fill.
- Existing structural crack. (Approx. location)



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**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin

**MAIN ENTRANCE GATE  
DETAILS**

Scale / Echelle

1:25, 1:2

Drawn by/ Dessine par  
AC/ML  
Date  
2016-07-12

Field Recording by /  
Releve-Terminé par  
Date

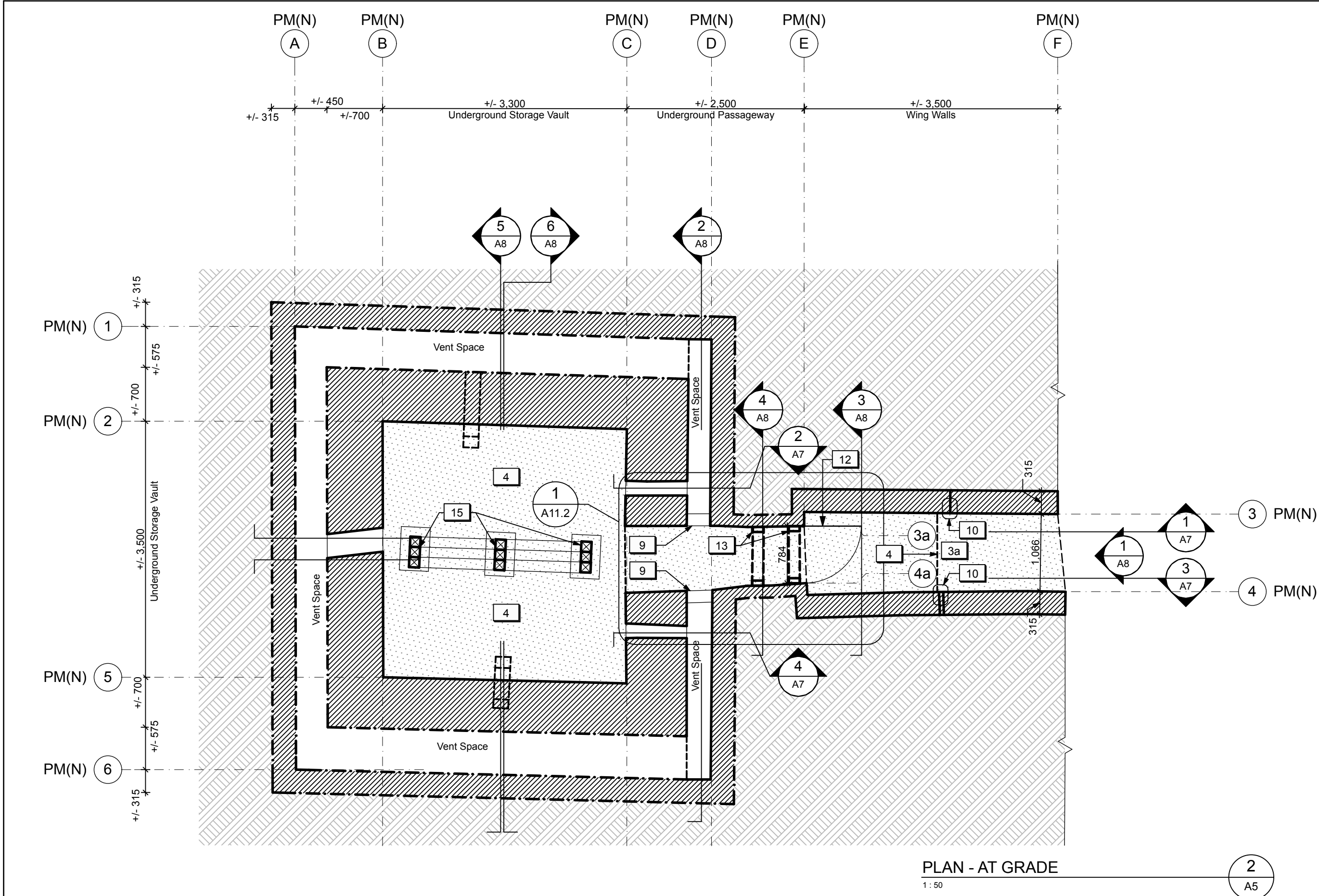
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LM  
Date  
2016-07-12

Checked by/ Verifie par  
LM

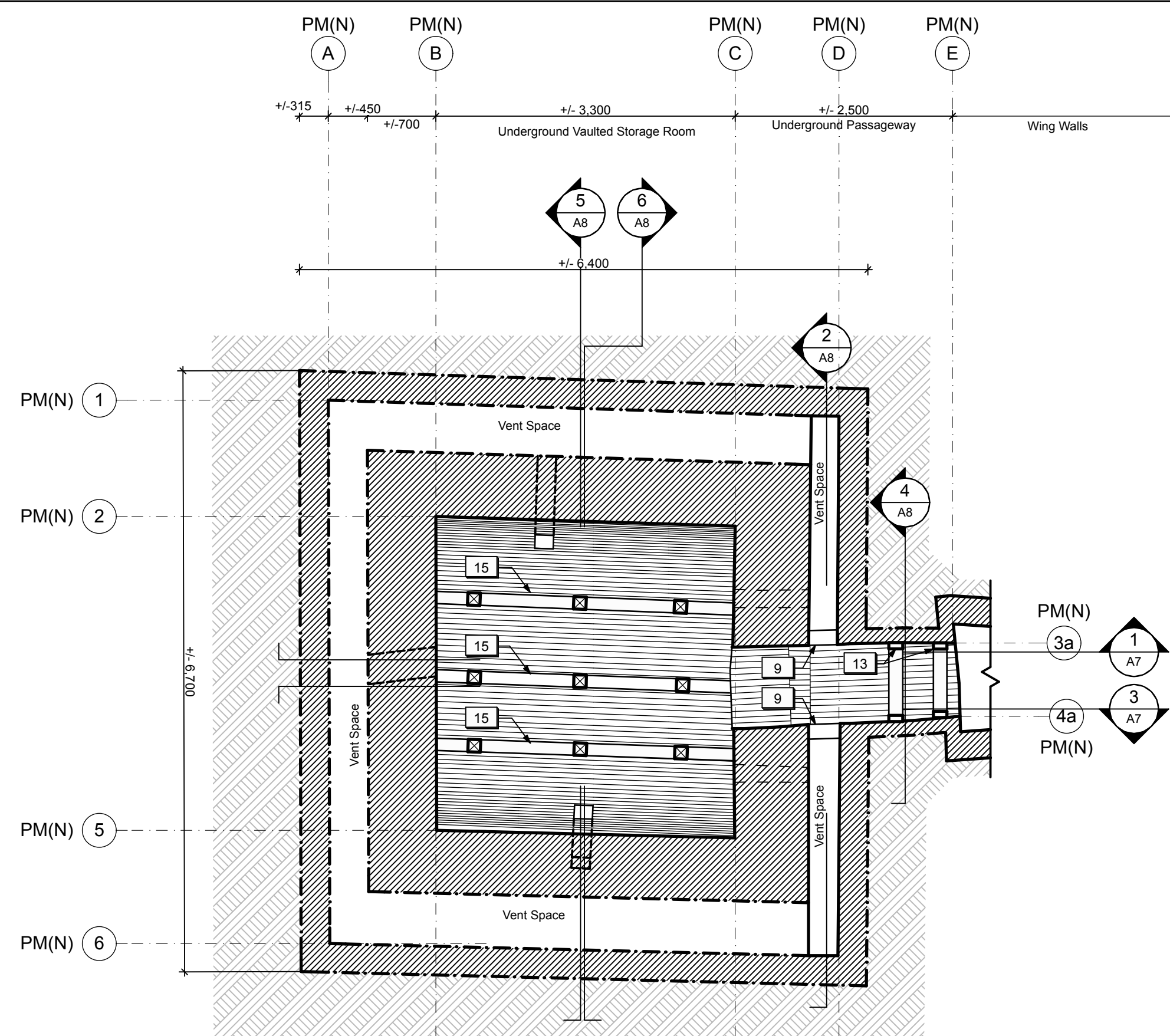
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Drawing Reference No./No. du Dessin		



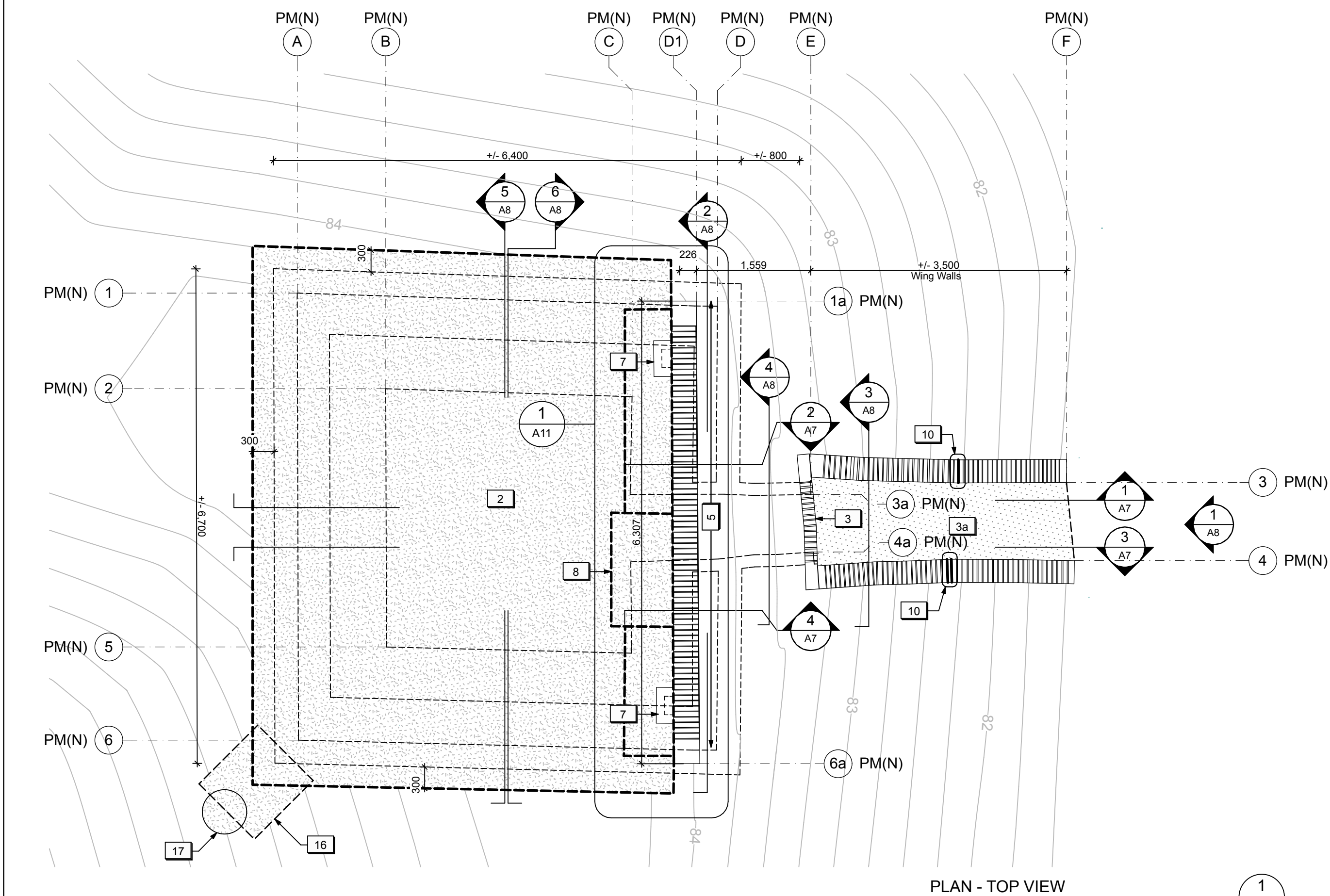
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PLAN - AT GRADE  
1:50



REFLECTED CEILING PLAN  
1:50



PLAN - TOP VIEW  
1:50

LEGEND (POWDER MAGAZINES):

	NEW MASONRY STRUCTURE (SECTION)		NEW STONE DUST SURFACE
	NEW MASONRY STRUCTURE (ELEVATION)		NEW TOPSOIL & SEED
	EXISTING MASONRY STRUCTURE		NEW GRANULAR FILL
	EXISTING SUBGRADE TO REMAIN		NEW 50mm INSULATION
			EXISTING STRUCTURAL CRACK (APPROX. LOCATION)

GENERAL NOTES (POWDER MAGAZINES):

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior. Existing masonry walls / surfaces within the underground passageways, storage vaults, and vent spaces to remain as is except where noted.
- Existing modern graffiti within the underground passageways, storage vaults, and vent spaces to remain.

DRAWING NOTES (POWDER MAGAZINES):

- New Granular A backfill c/w Miradrain and insulation. Refer to Landscape.
- New drainage layer over the underground structure sloped to perimeter. Refer to Landscape.
- Existing grade / vegetation covering brick coping to be cleared 300 mm back.
- Existing grade in the exterior passageway to be revised to ensure positive drainage. Refer to Landscape.
- New horizontal insulation below grade to protect the existing masonry footings. Refer to Structural.
- New brick parapet wall extension. Refer to details.
- New vent opening in brick parapet wall extension c/w metal security grille. Refer to details.
- New brick vent shaft extensions capped with sloped stone caps. Refer to details.
- Localized masonry repairs at failure in the outer brick vault structure. Refer to Structural.
- Existing masonry openings to be enlarged to improve ventilation in the vent spaces beyond.
- Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
- Existing drainage holes to be clear of debris/free-draining.
- Existing metal gate to be restored and reinstalled. Refer to details.
- New steel support frame. Refer to Structural.
- New concrete strut beam below grade. Refer to Structural.
- New wood shoring frame. Refer to Structural.
- New drainage pan to French drain. Refer to Landscape.
- New French drain. Refer to Landscape.



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PARKS CANADA  
SOUTHWESTERN ONTARIO FIELD UNIT

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**PARSONS**

JOB NO: 60295

Type of Record / Type d'enregistrement
--

Project title / Titre du projet  
**FORT MISSISSAUGA STABILIZATION PHASE II**

Drawing title / Titre du dessin  
**POWDER MAGAZINE (NORTH) - PLANS**

Scale / Echelle  
1:50

Drawn by / Dessine par  
AC / ML  
Date  
2016-07-12

Field Recording by / Relevé-Terminé par  
LM  
Date

Approved by / Approuve par  
LM  
Date  
2016-07-12

Checked by / Verifie par  
LM

Project No. / No. du projet PRO 000808	Asset No. 1300164	Sheet No. / Feuille No. <b>A5</b>
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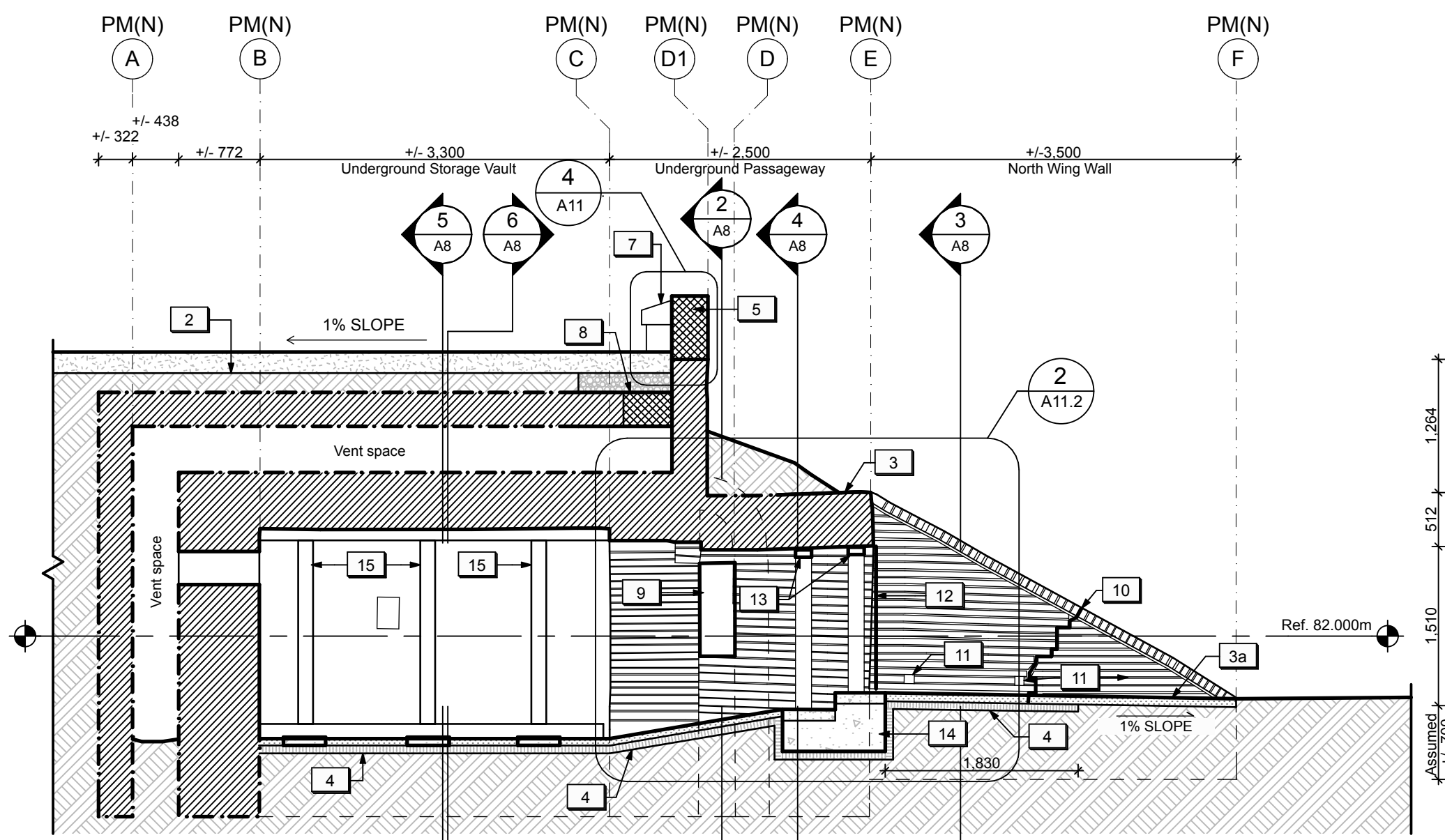
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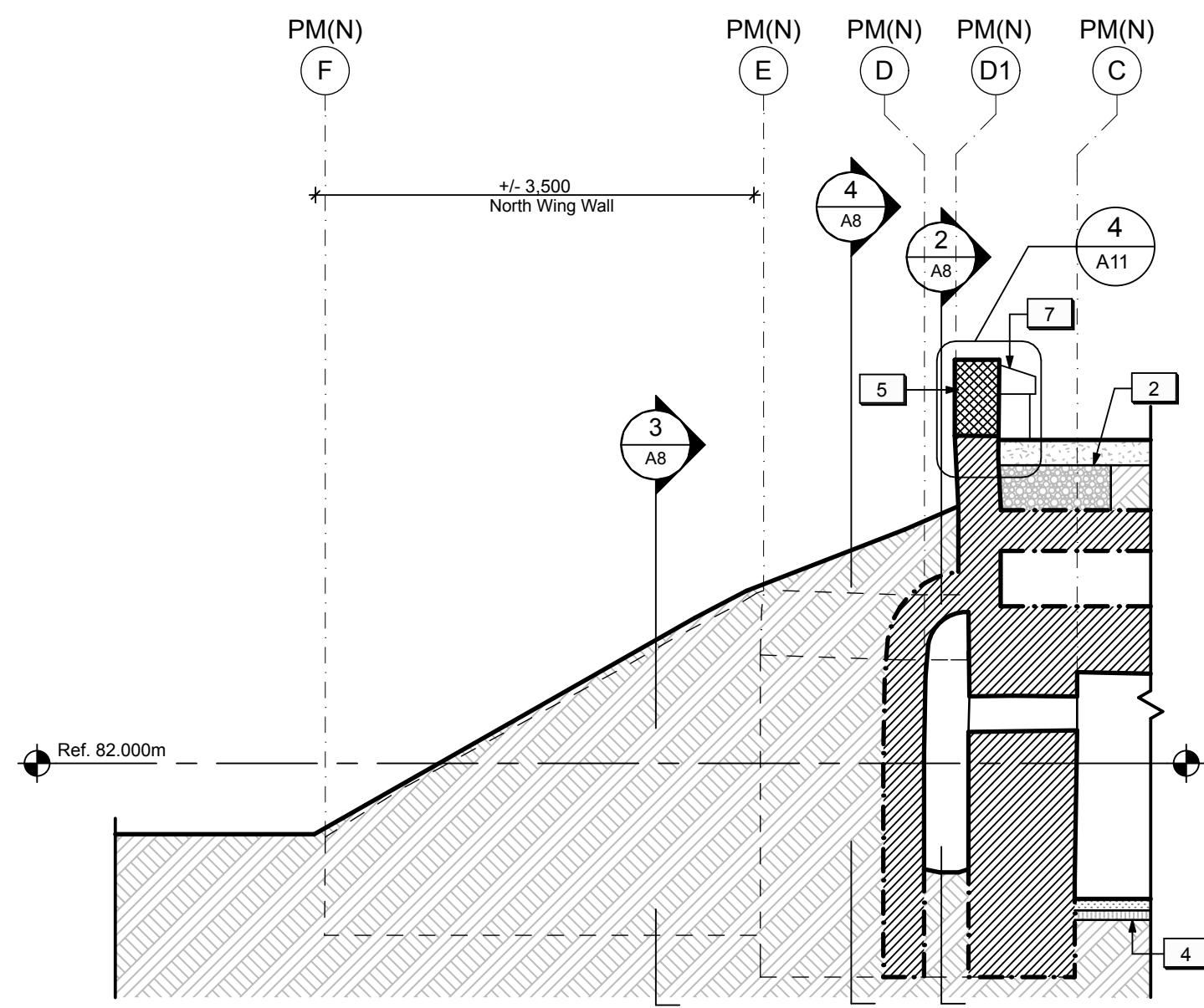
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LONGITUDINAL SECTION / ELEVATION LOOKING NORTH

1:50

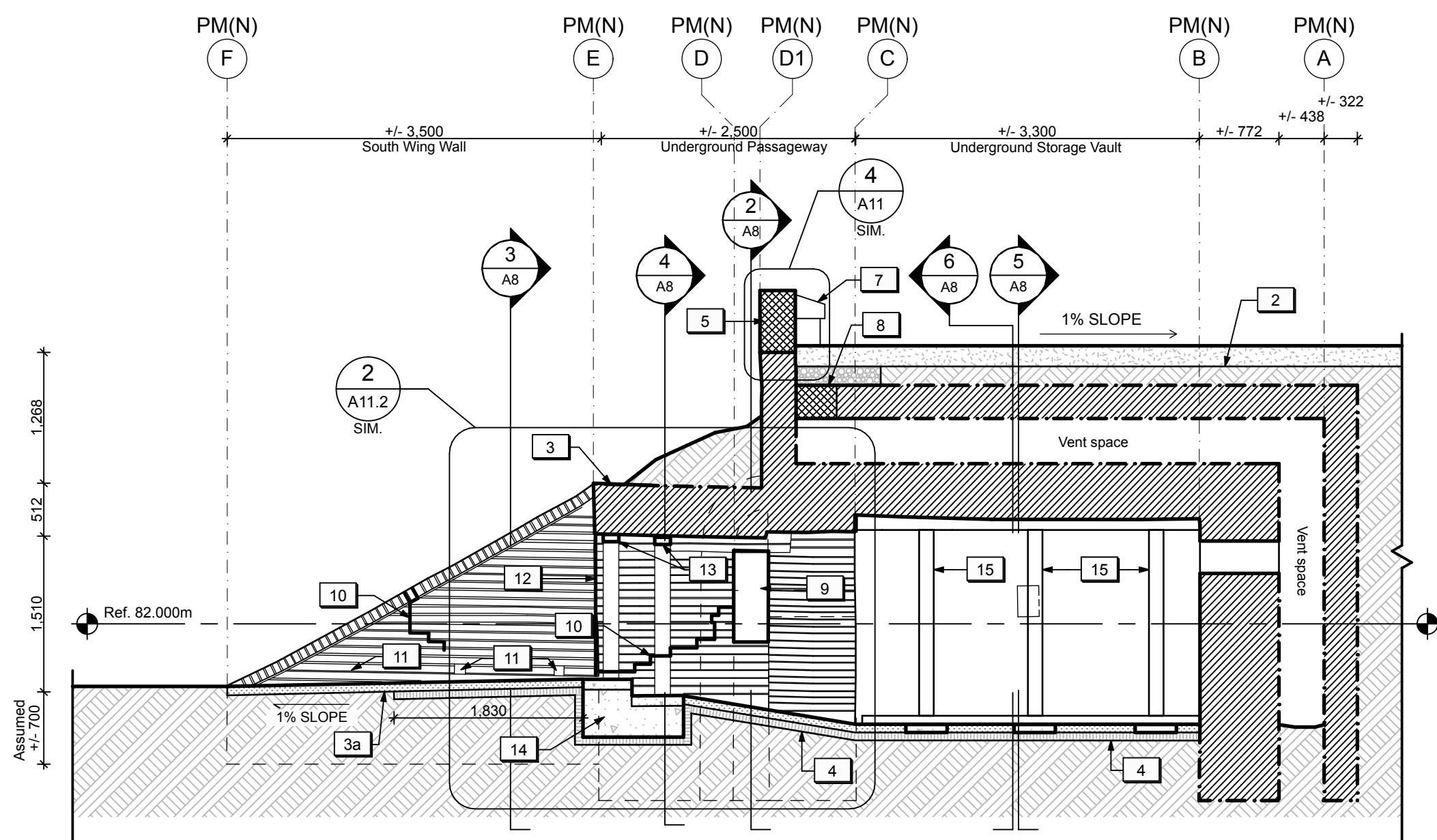
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LONGITUDINAL SECTION THROUGH EARTHWORKS LOOKING SOUTH

1:50

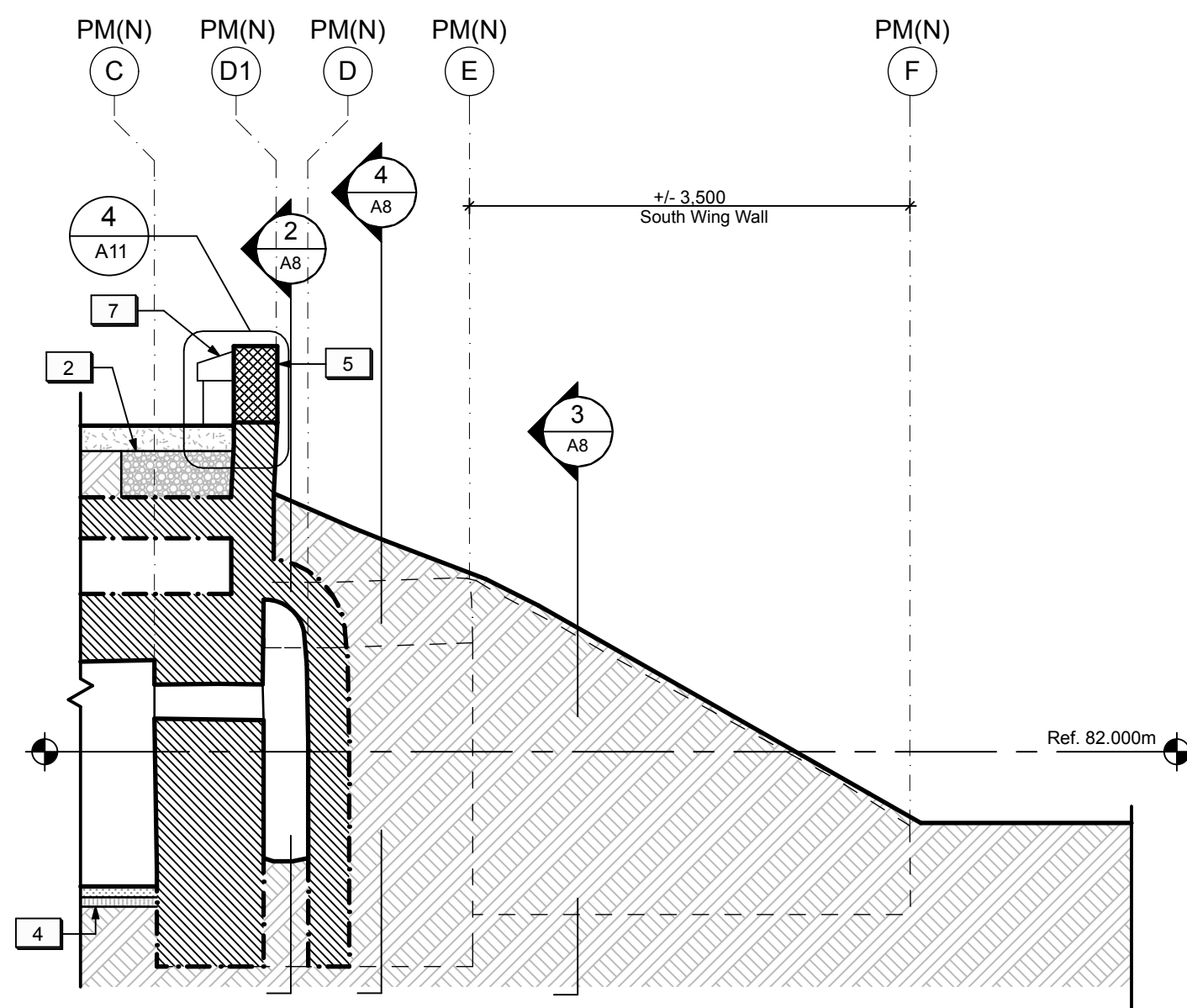
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A7



LONGITUDINAL SECTION / ELEVATION LOOKING SOUTH

1:50

3  
A7



LONGITUDINAL SECTION THROUGH EARTHWORKS LOOKING NORTH

1:50

4  
A7

LEGEND (POWDER MAGAZINES):

	NEW MASONRY STRUCTURE (SECTION)		NEW STONE DUST SURFACE
	NEW MASONRY STRUCTURE (ELEVATION)		NEW TOPSOIL & SEED
	EXISTING MASONRY STRUCTURE		NEW GRANULAR FILL
	EXISTING SUBGRADE TO REMAIN		NEW 50mm INSULATION
			EXISTING STRUCTURAL CRACK (APPROX. LOCATION)

GENERAL NOTES (POWDER MAGAZINES):

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior. Existing masonry walls / surfaces within the underground passageways, storage vaults, and vent spaces to remain as is except where noted.
- Existing modern graffiti within the underground passageways, storage vaults, and vent spaces to remain.

DRAWING NOTES (POWDER MAGAZINES):

1. New Granular A backfill c/w Miradrain and insulation. Refer to Landscape.
2. New drainage layer over the underground structure sloped to perimeter. Refer to Landscape.
3. Existing grade / vegetation covering brick coping to be cleared 300 mm back.
- 3a. Existing grade in the exterior passageway to be revised to ensure positive drainage. Refer to Landscape.
4. New horizontal insulation below grade to protect the existing masonry footings. Refer to Structural.
5. New brick parapet wall extension. Refer to details.
6. New vent opening in brick parapet wall extension c/w metal security grille. Refer to details.
7. New brick vent shaft extensions capped with sloped stone caps. Refer to details.
8. Localized masonry repairs at failure in the outer brick vault structure. Refer to Structural.
9. Existing masonry openings to be enlarged to improve ventilation in the vent spaces beyond.
10. Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
11. Existing drainage holes to be clear of debris/free-draining.
12. Existing metal gate to be restored and reinstalled. Refer to details.
13. New steel support frame. Refer to Structural.
14. New concrete strut beam below grade. Refer to Structural.
15. New wood shoring frame. Refer to Structural.
16. New drainage pan to French drain. Refer to Landscape.
17. New French drain. Refer to Landscape.



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**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin  
**POWDER MAGAZINE  
(NORTH) - SECTIONS &  
ELEVATIONS 1**

Scale / Echelle  
1:50

Drawn by / Dessiné par  
AC / ML  
2016-07-12

Field Recording by /  
Releve-Terminé par  
Date

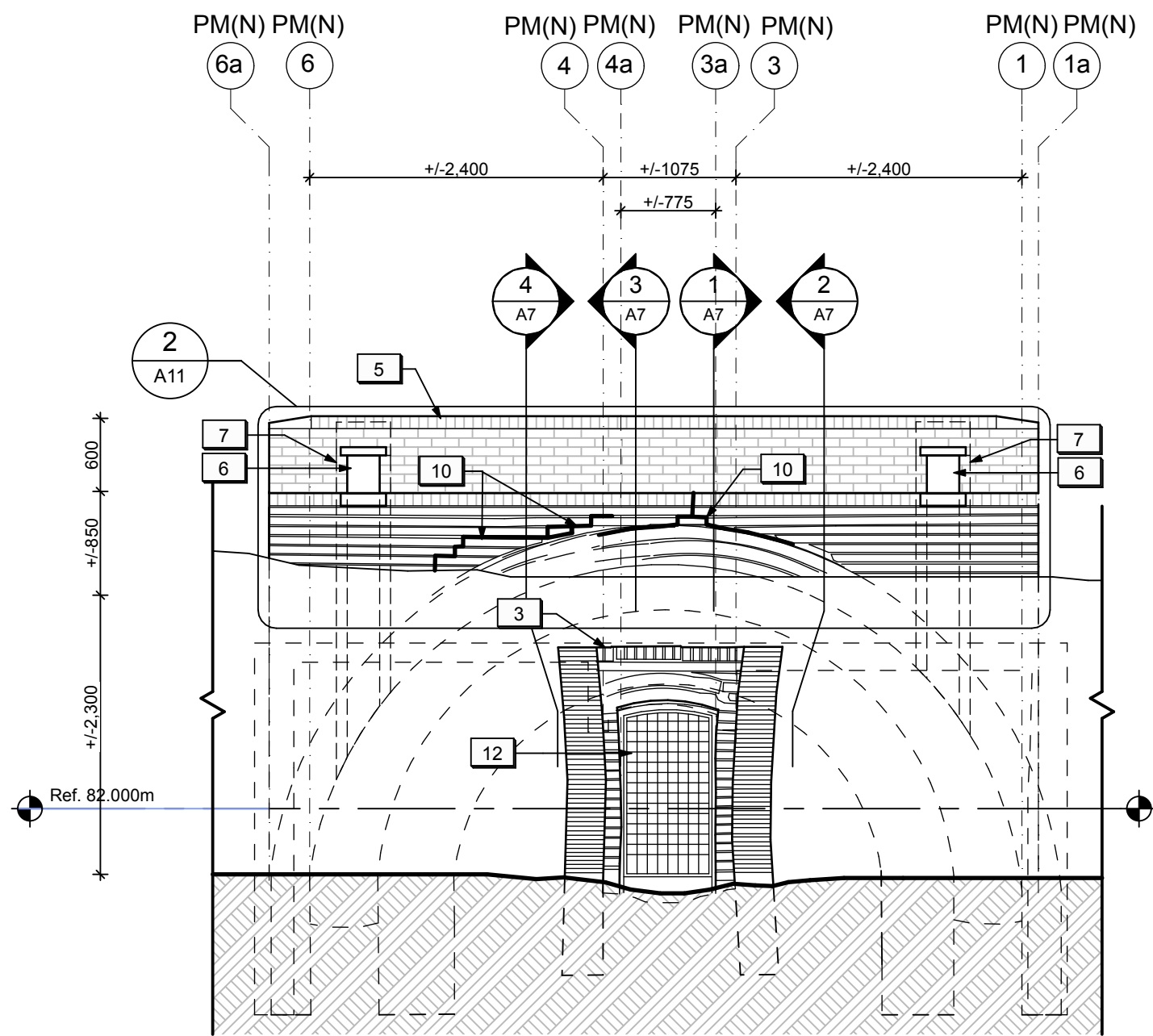
Approved by / Approuvé par  
LM  
2016-07-12

Checked by / Vérifié par  
LM

Project No. / No. du projet PRO 000808	Asset No. 1300164	Sheet No. / Feuille No. <b>A7</b>
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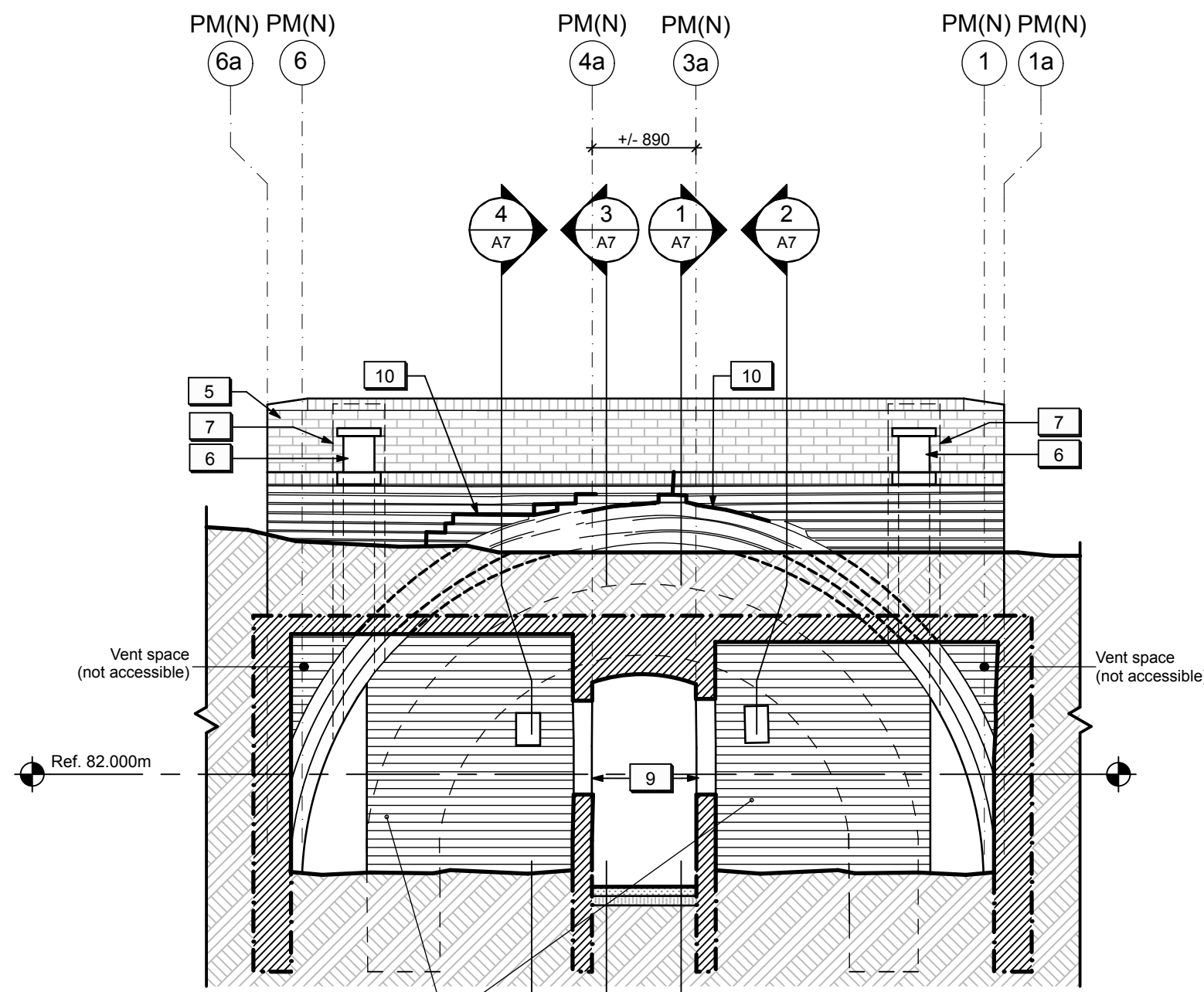
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EXTERIOR ELEVATION LOOKING WEST

1:50

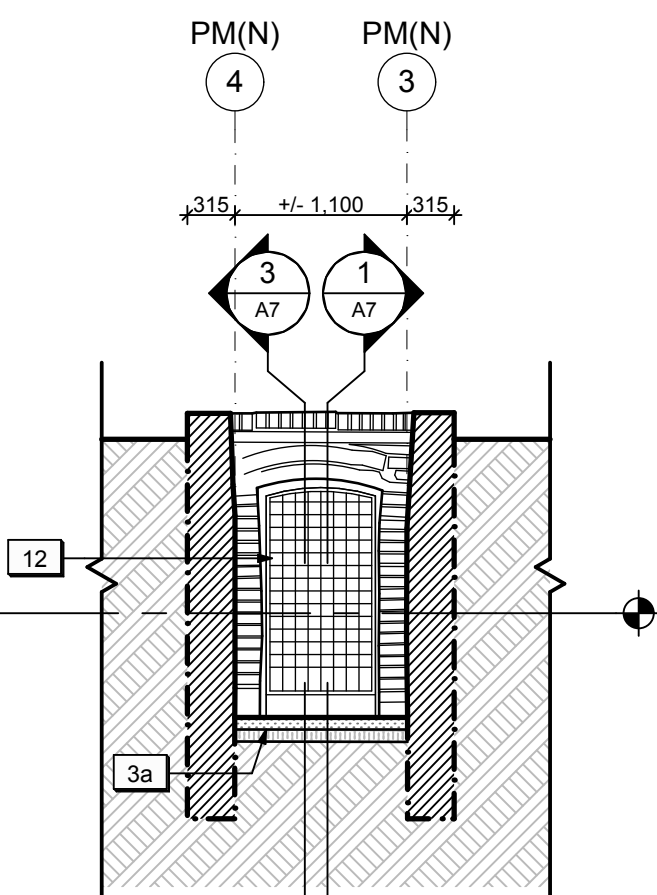
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A8



CROSS SECTION THROUGH VENT SPACE LOOKING WEST

1:50

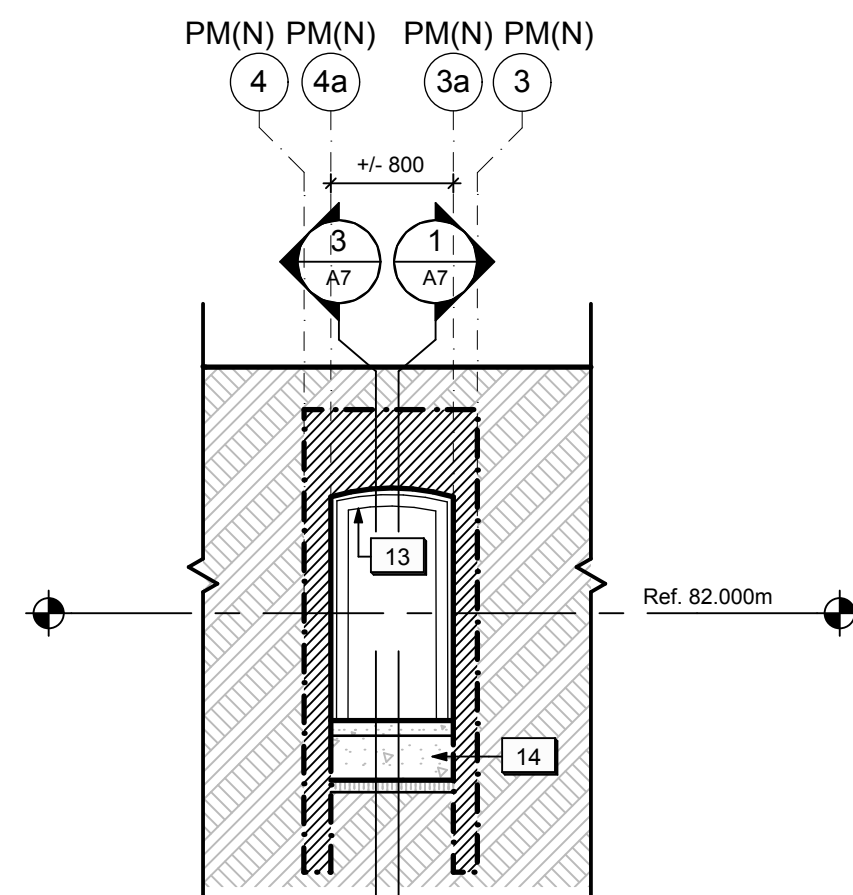
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A8



CROSS SECTION THROUGH WING WALLS LOOKING WEST

1:50

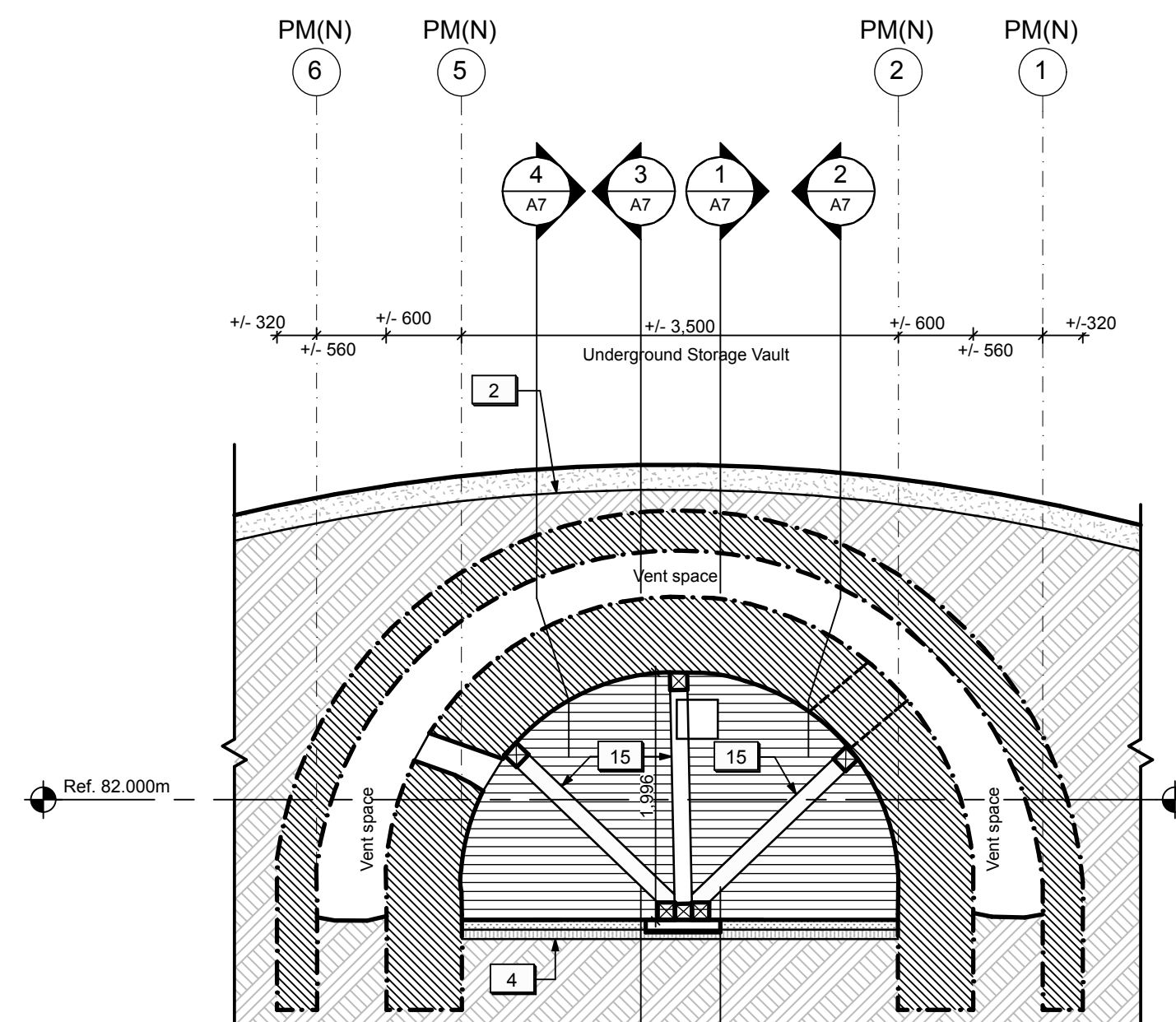
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A8



CROSS SECTION THROUGH UNDERGROUND PASSAGEWAY

1:50

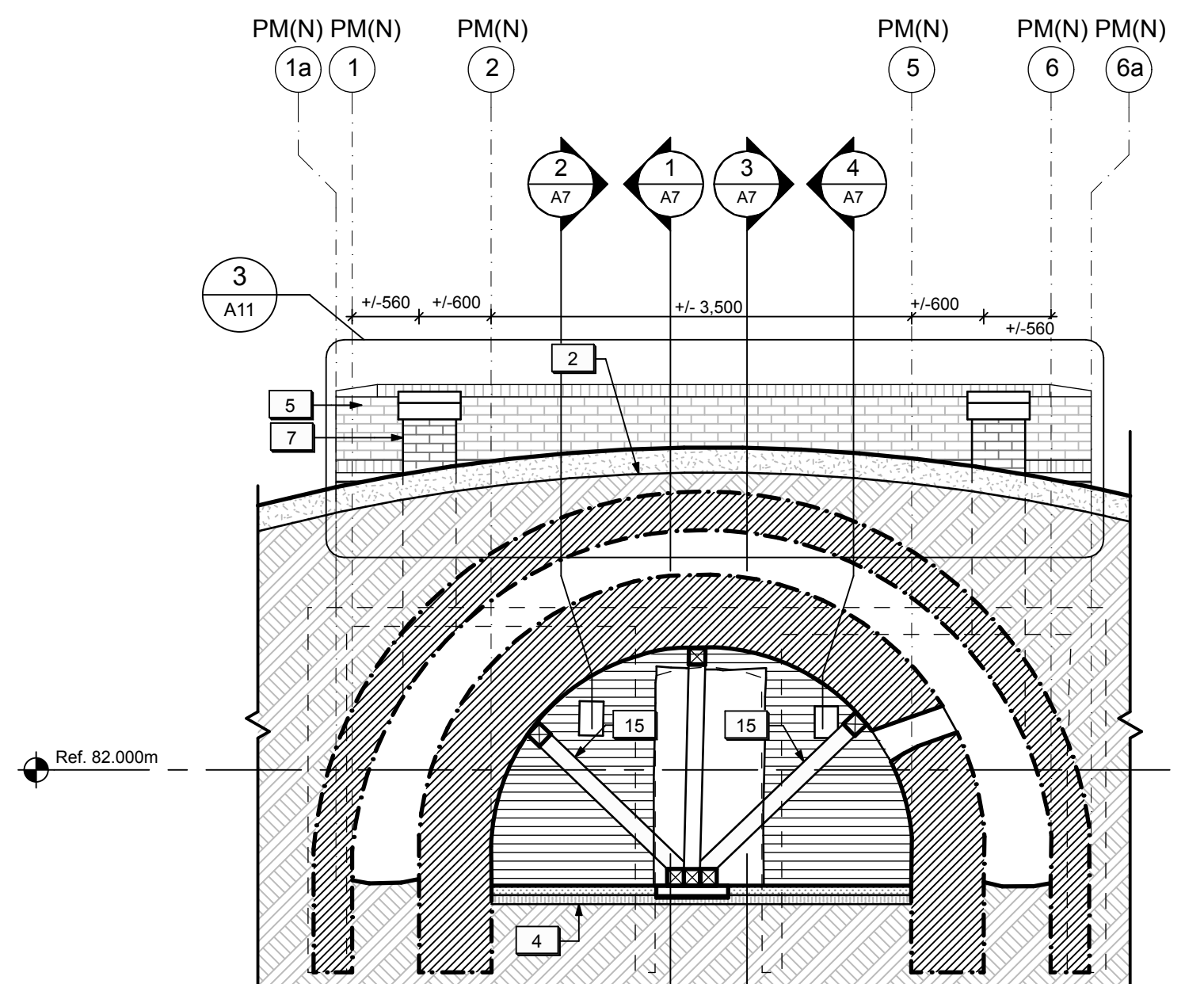
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A8



CROSS SECTION THROUGH STORAGE VAULT LOOKING WEST

1:50

5  
A8



CROSS SECTION THROUGH STORAGE VAULT LOOKING EAST

1:50

6  
A8

GENERAL NOTES (POWDER MAGAZINES):

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior. Existing masonry walls / surfaces within the underground passageways, storage vaults, and vent spaces to remain as is except where noted.
- Existing modern graffiti within the underground passageways, storage vaults, and vent spaces to remain.

DRAWING NOTES (POWDER MAGAZINES):

1. New Granular A backfill c/w Miradrain and insulation. Refer to Landscape.
2. New drainage layer over the underground structure sloped to perimeter. Refer to Landscape.
3. Existing grade / vegetation covering brick coping to be cleared 300 mm back.
- 3a. Existing grade in the exterior passageway to be revised to ensure positive drainage. Refer to Landscape.
4. New horizontal insulation below grade to protect the existing masonry footings. Refer to Structural.
5. New brick parapet wall extension. Refer to details.
6. New vent opening in brick parapet wall extension c/w metal security grille. Refer to details.
7. New brick vent shaft extensions capped with sloped stone caps. Refer to details.
8. Localized masonry repairs at failure in the outer brick vault structure. Refer to Structural.
9. Existing masonry openings to be enlarged to improve ventilation in the vent spaces beyond.
10. Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
11. Existing drainage holes to be clear of debris/free-draining.
12. Existing metal gate to be restored and reinstalled. Refer to details.
13. New steel support frame. Refer to Structural.
14. New concrete strut beam below grade. Refer to Structural.
15. New wood shoring frame. Refer to Structural.
16. New drainage pan to French drain. Refer to Landscape.
17. New French drain. Refer to Landscape.

LEGEND (POWDER MAGAZINES):

	NEW MASONRY STRUCTURE (SECTION)		NEW STONE DUST SURFACE
	NEW MASONRY STRUCTURE (ELEVATION)		NEW TOPSOIL & SEED
	EXISTING MASONRY STRUCTURE		NEW GRANULAR FILL
	EXISTING SUBGRADE TO REMAIN		NEW 50mm INSULATION
			EXISTING STRUCTURAL CRACK. (APPROX. LOCATION)



revision	issued / revisions	yyyy/mm/dd
06	Re-issued for Tender	2016/07/12
05	Re-issued for Tender	2016/06/14
04	Issued for tender	2016/05/12
03	Issued for 99% Review	2016/04/28
02	Issued for 66% Review	2016/03/09
01	Issued for 33% Review	2016/02/05

Do not scale drawings.  
Verify all dimensions and conditions on site and immediately notify the engineer of all discrepancies.

	A Detail number	A Numero de detail
	B Sheet number	B Sur feuille numero

Linear dimensions in millimeters  
Dimensions lineaires en millimetres

Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No. / No. de dossier \_\_\_\_\_



Canada

PARKS CANADA  
SOUTHWESTERN ONTARIO FIELD UNIT

**BARRY PADOLSKY ASSOCIATES INC. ARCHITECTS**  
377 Dufferin Street, Ottawa, ON K1N 9N8  
Tel: (613) 241-7188 Fax: (613) 241-0762  
email: bpadolsky-architects.com

**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet  
**FORT MISSISSAUGA STABILIZATION PHASE II**

Drawing title / Titre du dessin  
**POWDER MAGAZINE (NORTH) - SECTIONS & ELEVATIONS 2**

Scale / Echelle  
1:50

Drawn by / Dessiné par  
AC / ML  
2016-07-12

Field Recording by /  
Releve-Terminé par

Approved by / Approuvé par  
LM  
2016-07-12

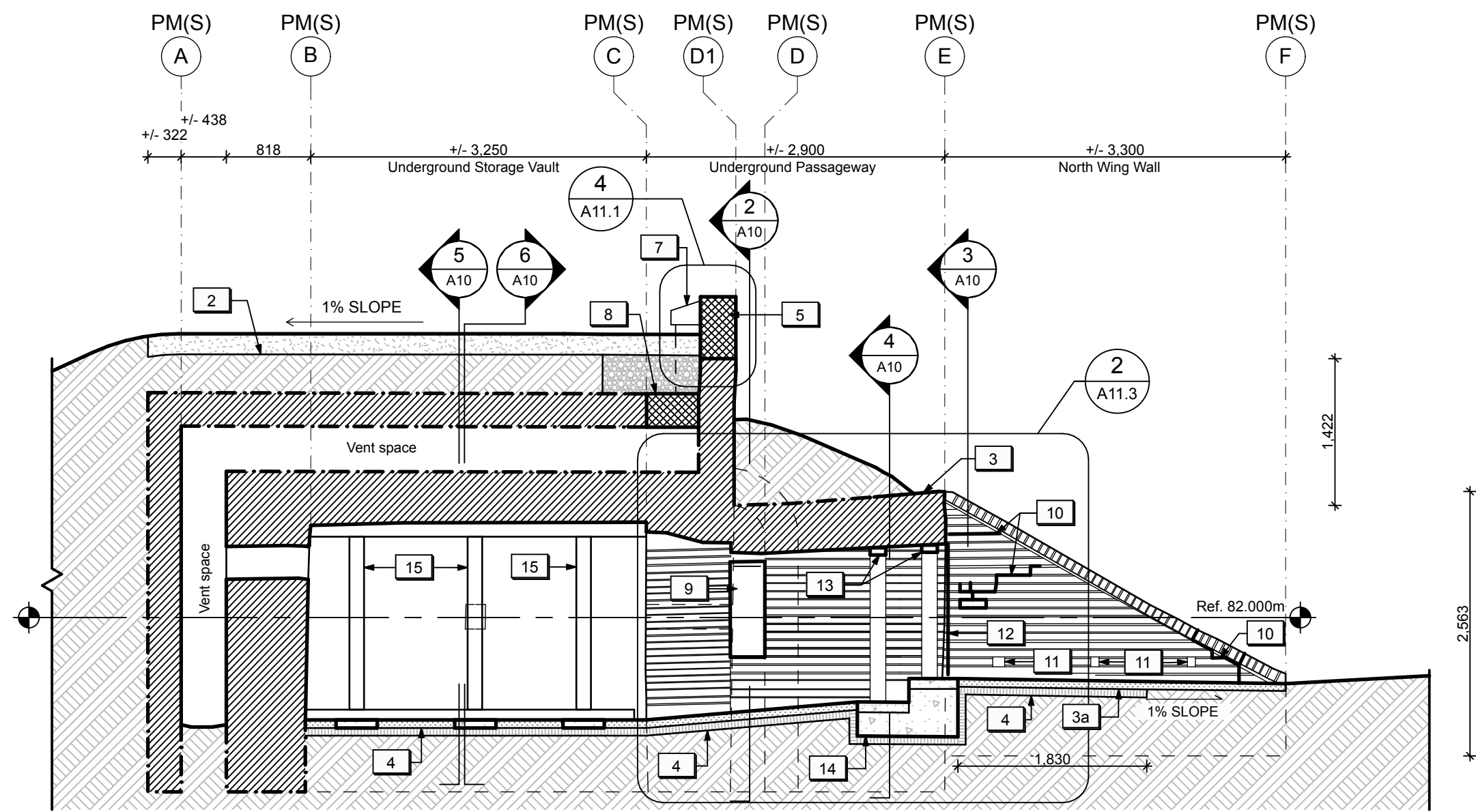
Checked by / Vérifié par  
LM

Project No. / No. du projet  
PRO 000808  
Asset No.  
1300164  
Sheet No. /  
Feuille No.  
A8

Drawing Reference No./No. du Dessin

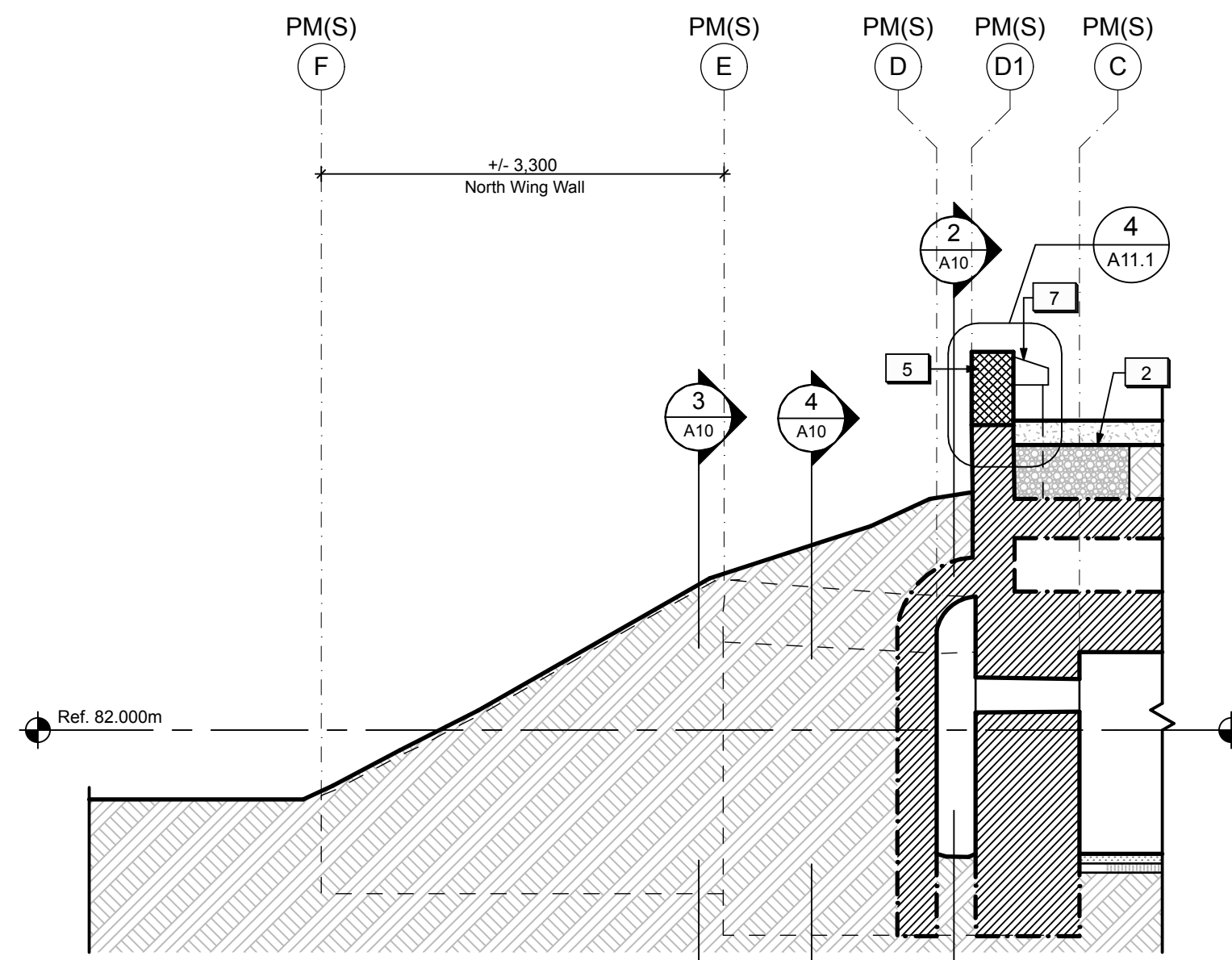


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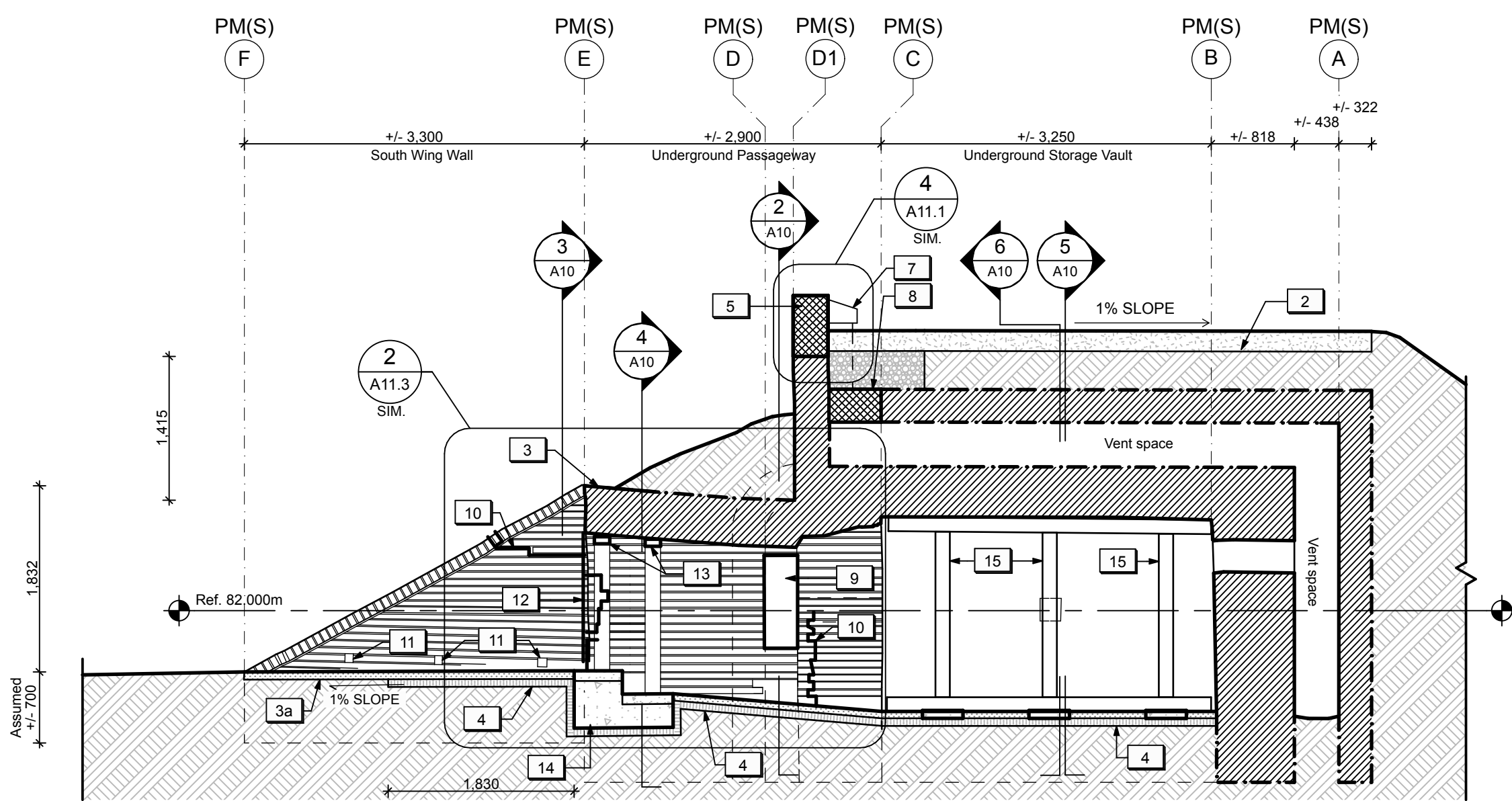
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1:50

1  
A9



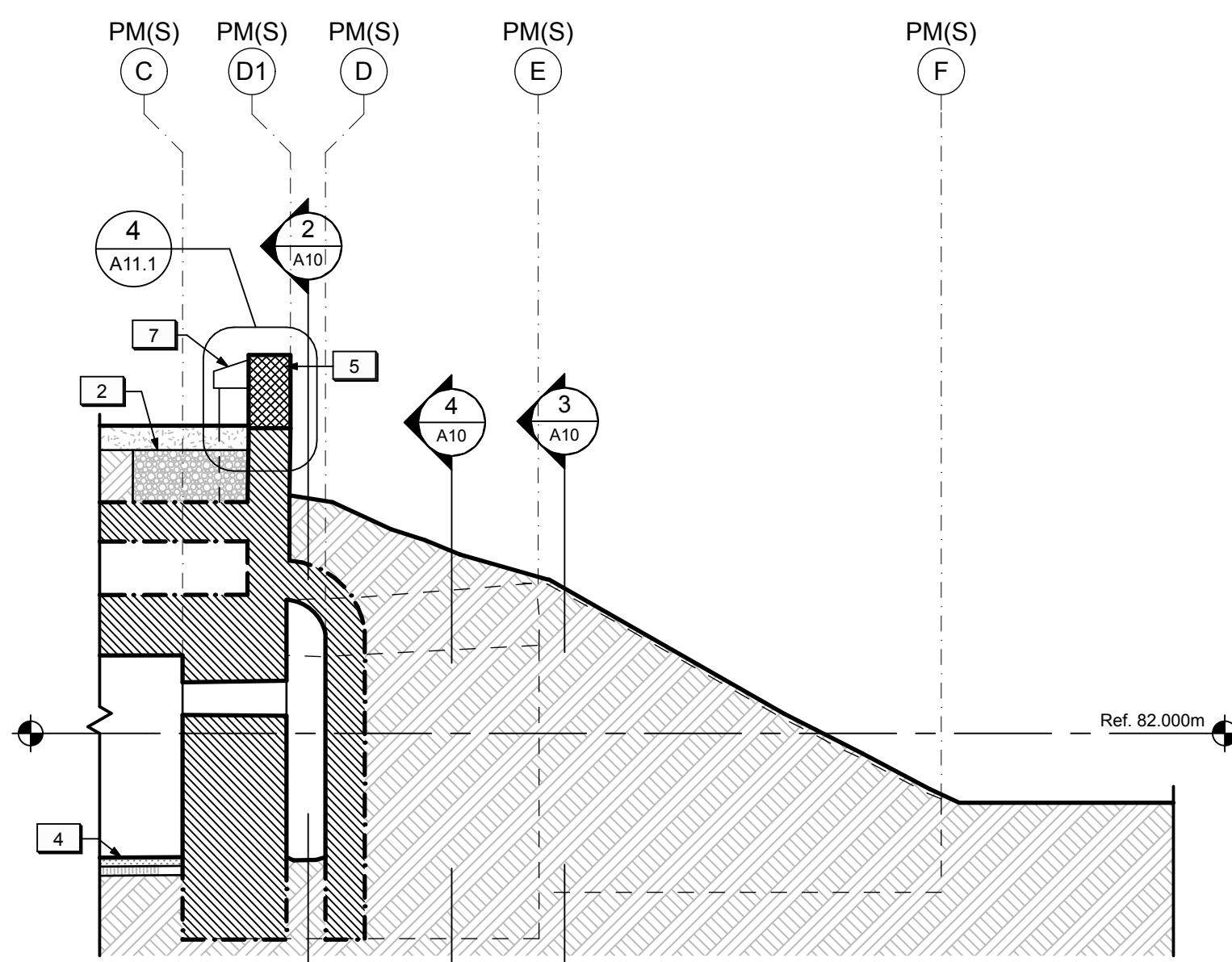
LONGITUDINAL SECTION THROUGH EARTHWORKS LOOKING SOUTH  
1:50

2  
A9



LONGITUDINAL SECTION / ELEVATION LOOKING SOUTH  
1:50

3  
A9



LONGITUDINAL SECTION THROUGH EARTHWORKS LOOKING NORTH  
1:50

4  
A9

LEGEND (POWDER MAGAZINES):

	NEW MASONRY STRUCTURE (SECTION)		NEW STONE DUST SURFACE
	NEW MASONRY STRUCTURE (ELEVATION)		NEW TOPSOIL & SEED
	EXISTING MASONRY STRUCTURE		NEW GRANULAR FILL
	EXISTING SUBGRADE TO REMAIN		NEW 50mm INSULATION
			EXISTING STRUCTURAL CRACK (APPROX. LOCATION)

GENERAL NOTES (POWDER MAGAZINES):

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior. Existing masonry walls / surfaces within the underground passageways, storage vaults, and vent spaces to remain as is except where noted.
- Existing modern graffiti within the underground passageways, storage vaults, and vent spaces to remain.

DRAWING NOTES (POWDER MAGAZINES):

1. New Granular A backfill c/w Miradrain and insulation. Refer to Landscape.
2. New drainage layer over the underground structure sloped to perimeter. Refer to Landscape.
3. Existing grade / vegetation covering brick coping to be cleared 300 mm back.
- 3a. Existing grade in the exterior passageway to be revised to ensure positive drainage. Refer to Landscape.
4. New horizontal insulation below grade to protect the existing masonry footings. Refer to Structural.
5. New brick parapet wall extension. Refer to details.
6. New vent opening in brick parapet wall extension c/w metal security grille. Refer to details.
7. New brick vent shaft extensions capped with sloped stone caps. Refer to details.
8. Localized masonry repairs at failure in the outer brick vault structure. Refer to Structural.
9. Existing masonry openings to be enlarged to improve ventilation in the vent spaces beyond.
10. Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
11. Existing drainage holes to be clear of debris/free-draining.
12. Existing metal gate to be restored and reinstalled. Refer to details.
13. New steel support frame. Refer to Structural.
14. New concrete strut beam below grade. Refer to Structural.
15. New wood shoring frame. Refer to Structural.
16. New drainage pan to French drain. Refer to Landscape.
17. New French drain. Refer to Landscape.



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01	Issued for 33% Review	2016/02/05
revision	issued / revisions	yyyy/mm/dd

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	A Detail number	A Numero de detail
	B Sheet number	B Sur feuille numero

Linear dimensions in millimeters	Dimensions lineaires en millimetres
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Client Acceptance / Acceptation du client	Date
Signature	
File No. / No. de dossier	



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email@padolsky-architects.com

**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA STABILIZATION PHASE II**

Drawing title / Titre du dessin

**POWDER MAGAZINE (SOUTH) - SECTIONS & ELEVATIONS 1**

Scale / Echelle

1:50

Drawn by/ Dessine par  
AC / ML  
2016-07-12

Field Recording by /  
Releve-Terminé par  
Date

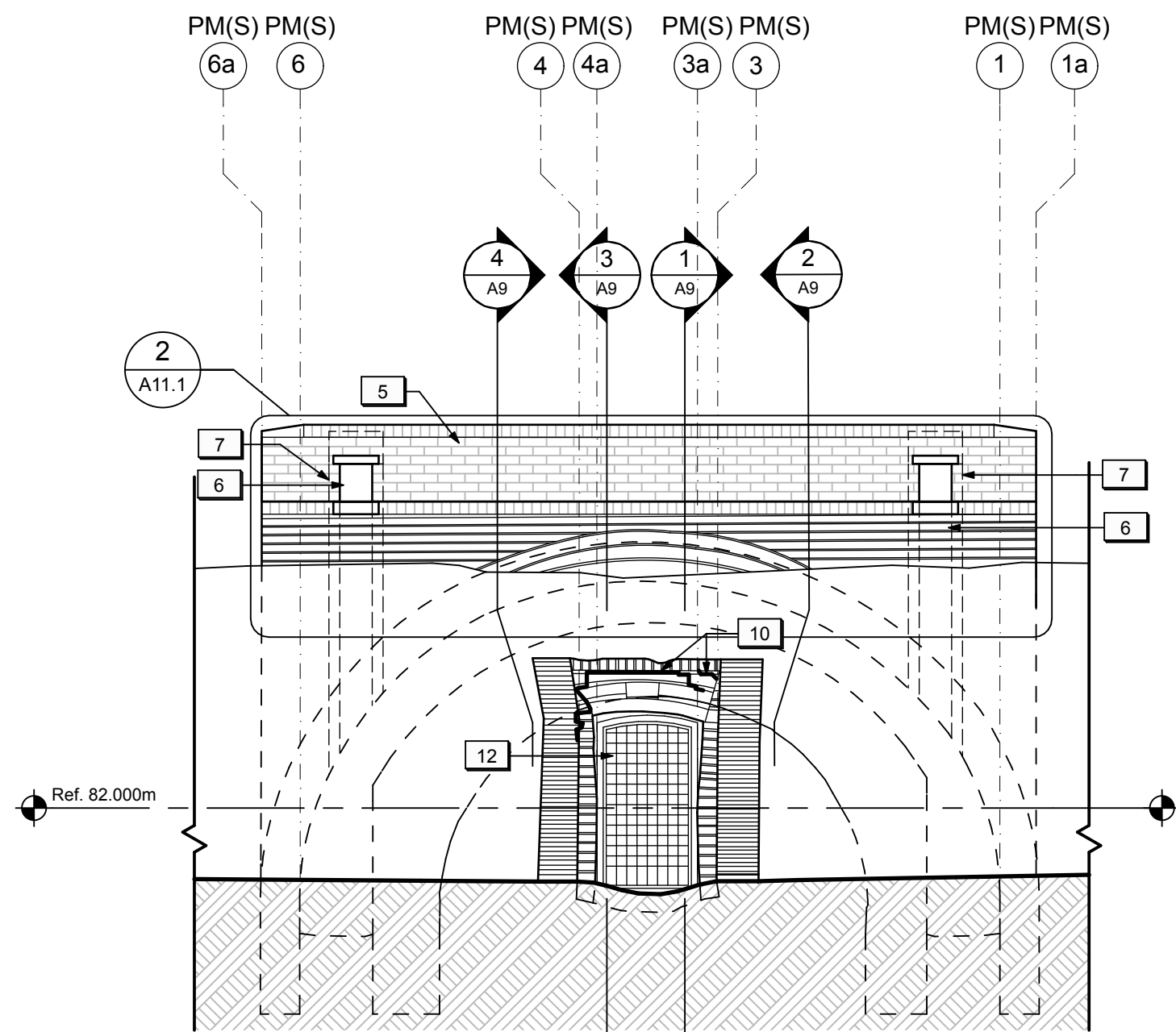
Approved by / Approuve par  
LM  
2016-07-12

Checked by/ Verifie par  
LM

Project No. / No. du projet PRO 000808	Asset No. 1300164	Sheet No. / Feuille No. <b>A9</b>
Drawing Reference No./No. du Dessin		

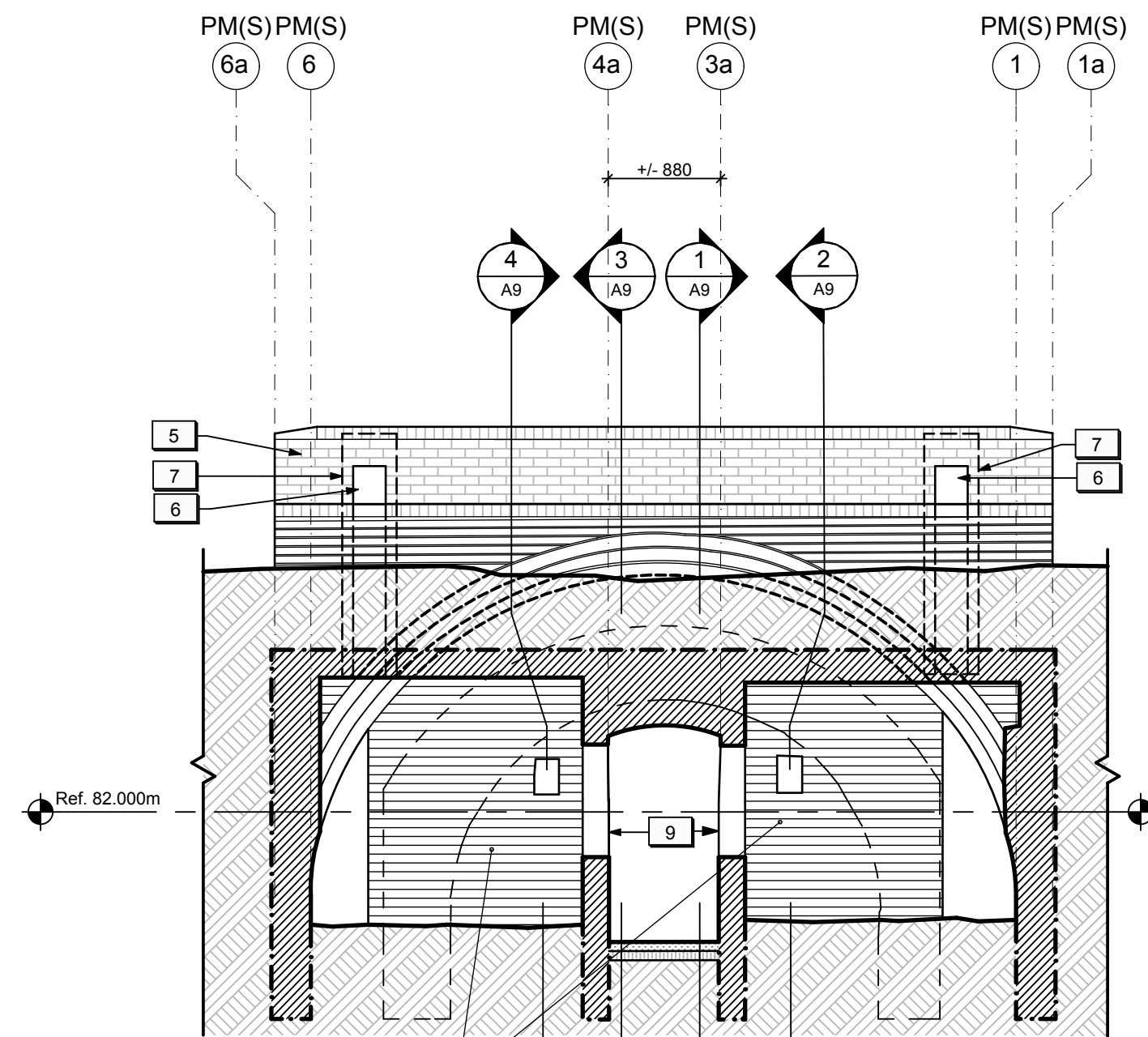


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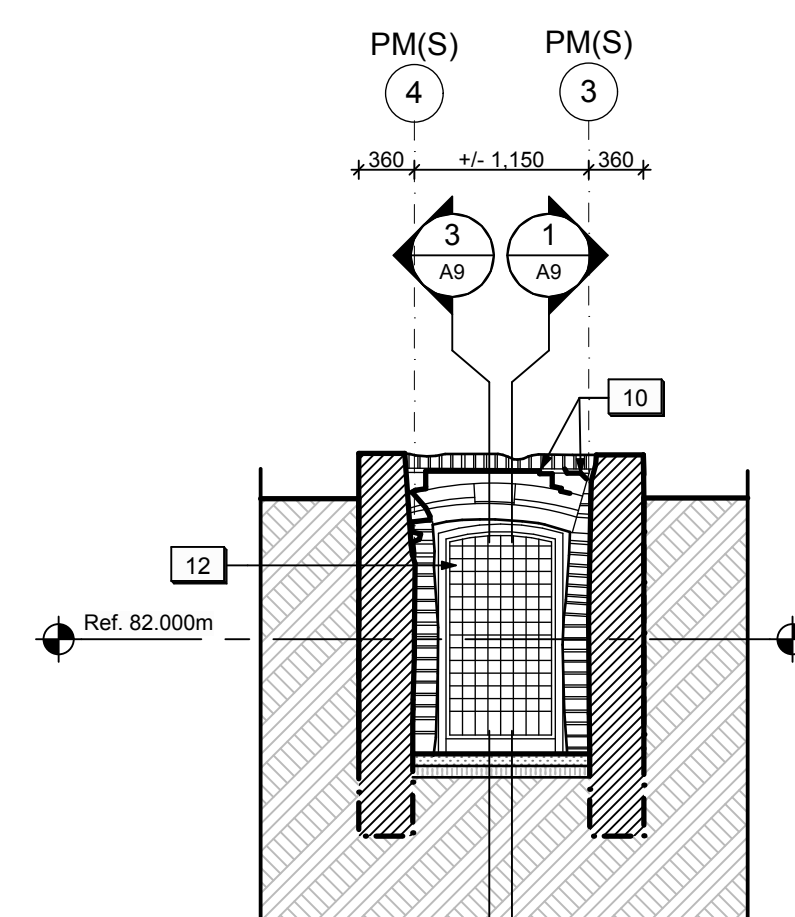
EXTERIOR ELEVATION LOOKING WEST  
1:50

1  
A10



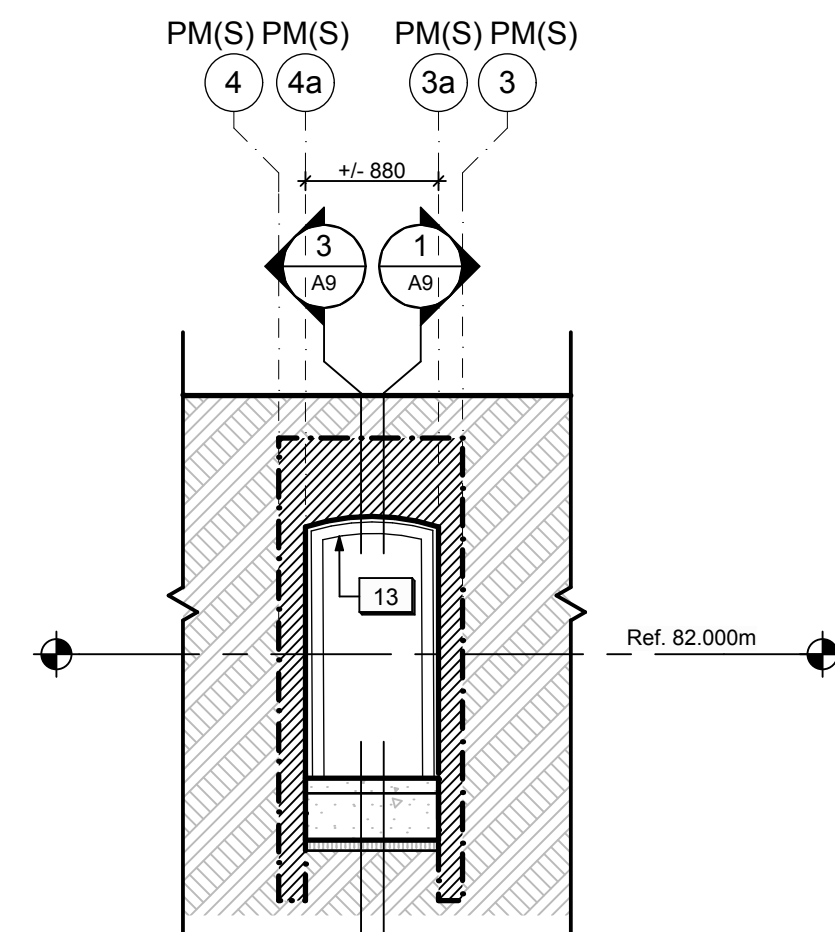
CROSS SECTION THROUGH VENT SPACE LOOKING WEST  
1:50

2  
A10



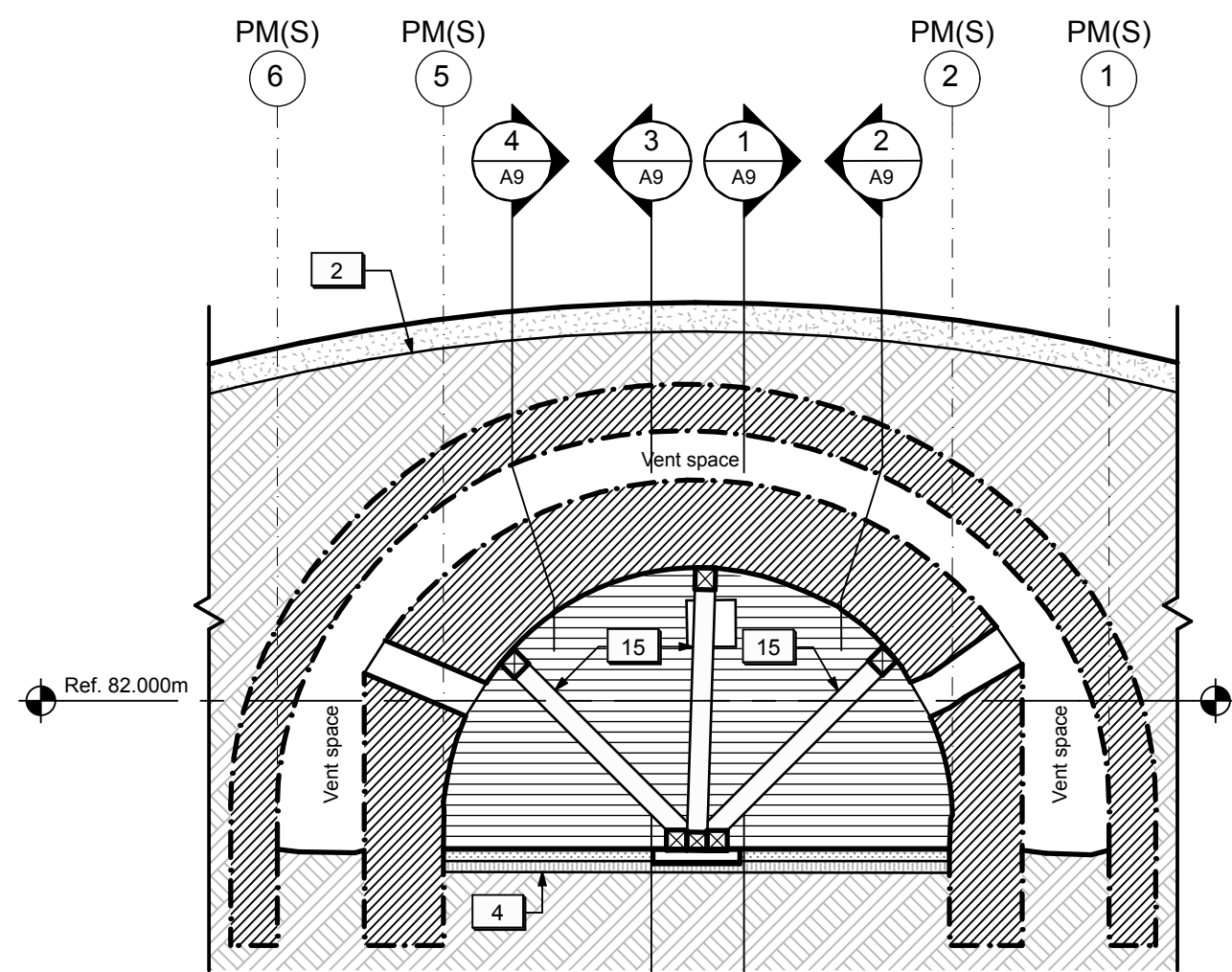
CROSS SECTION THROUGH WING WALLS  
1:50

3  
A10



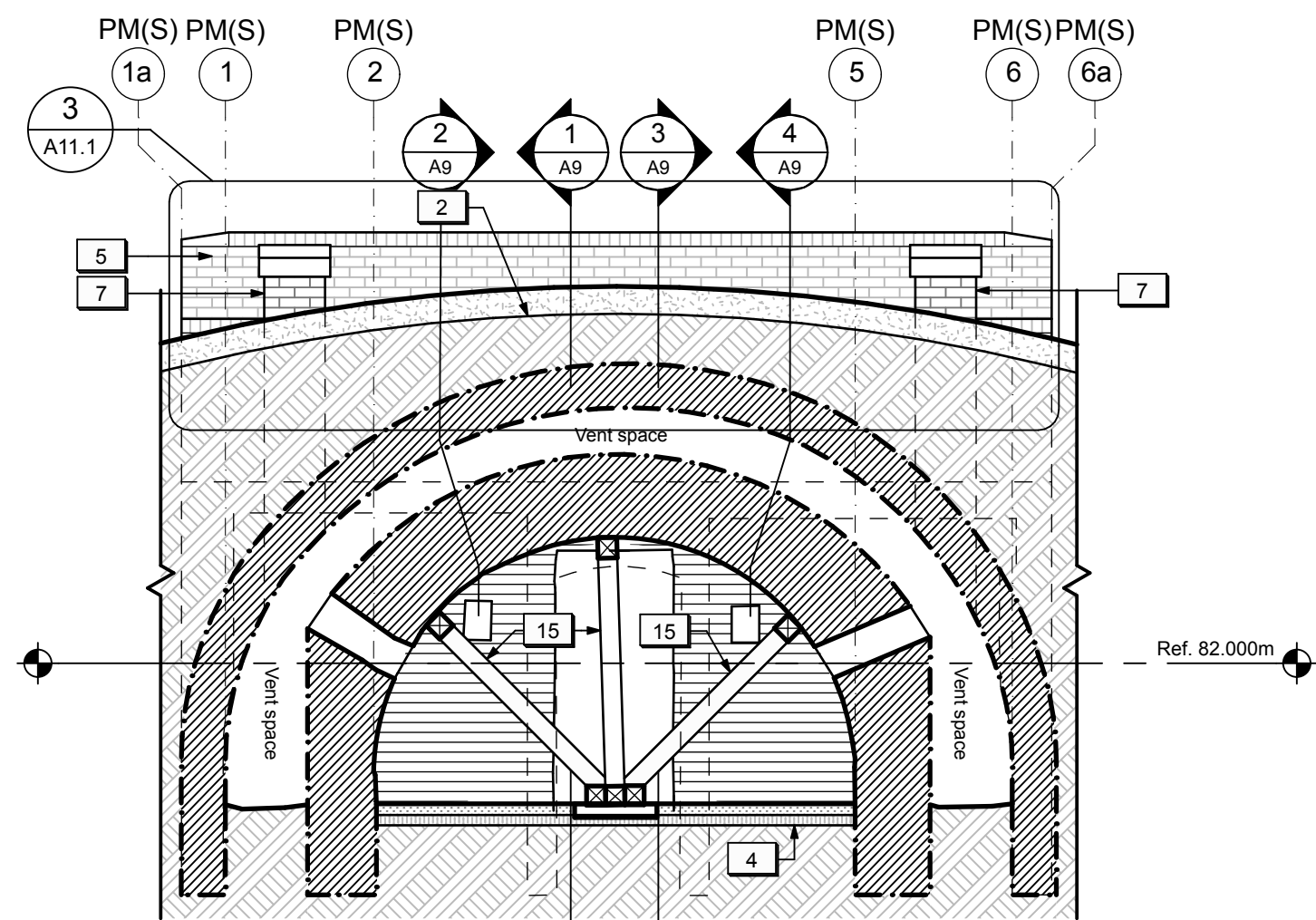
CROSS SECTION THROUGH UNDERGROUND PASSAGeway  
1:50

4  
A10



CROSS SECTION THROUGH STORAGE VAULT LOOKING WEST  
1:50

4  
A10



CROSS SECTION THROUGH STORAGE VAULT LOOKING EAST  
1:50

5  
A10

LEGEND (POWDER MAGAZINES):

	NEW MASONRY STRUCTURE (SECTION)		NEW STONE DUST SURFACE
	NEW MASONRY STRUCTURE (ELEVATION)		NEW TOPSOIL & SEED
	EXISTING MASONRY STRUCTURE		NEW GRANULAR FILL
	EXISTING SUBGRADE TO REMAIN		NEW 50mm INSULATION
			EXISTING STRUCTURAL CRACK (APPROX. LOCATION)

GENERAL NOTES (POWDER MAGAZINES):

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior. Existing masonry walls / surfaces within the underground passageways, storage vaults, and vent spaces to remain as is except where noted.
- Existing modern graffiti within the underground passageways, storage vaults, and vent spaces to remain.

DRAWING NOTES (POWDER MAGAZINES):

1. New Granular A backfill c/w Miradrain and insulation. Refer to Landscape.
2. New drainage layer over the underground structure sloped to perimeter. Refer to Landscape.
3. Existing grade / vegetation covering brick coping to be cleared 300 mm back.
- 3a. Existing grade in the exterior passageway to be revised to ensure positive drainage. Refer to Landscape.
4. New horizontal insulation below grade to protect the existing masonry footings. Refer to Structural.
5. New brick parapet wall extension. Refer to details.
6. New vent opening in brick parapet wall extension c/w metal security grille. Refer to details.
7. New brick vent shaft extensions capped with sloped stone caps. Refer to details.
8. Localized masonry repairs at failure in the outer brick vault structure. Refer to Structural.
9. Existing masonry openings to be enlarged to improve ventilation in the vent spaces beyond.
10. Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
11. Existing drainage holes to be clear of debris/free-draining.
12. Existing metal gate to be restored and reinstalled. Refer to details.
13. New steel support frame. Refer to Structural.
14. New concrete strut beam below grade. Refer to Structural.
15. New wood shoring frame. Refer to Structural.
16. New drainage pan to French drain. Refer to Landscape.
17. New French drain. Refer to Landscape.



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revision	issued / revisions	yyyy/mm/dd

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Dimensions lineaires en millimetres

Client Acceptance / Acceptation du client

Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No. / No. de dossier \_\_\_\_\_



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email@padolsky-architects.com

**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA STABILIZATION PHASE II**

Drawing title / Titre du dessin

**POWDER MAGAZINE (SOUTH) - SECTIONS & ELEVATIONS 2**

Scale / Echelle

1:50

Drawn by / Dessiné par  
AC / ML  
2016-07-12

Field Recording by /  
Releve-Termoin par  
Date

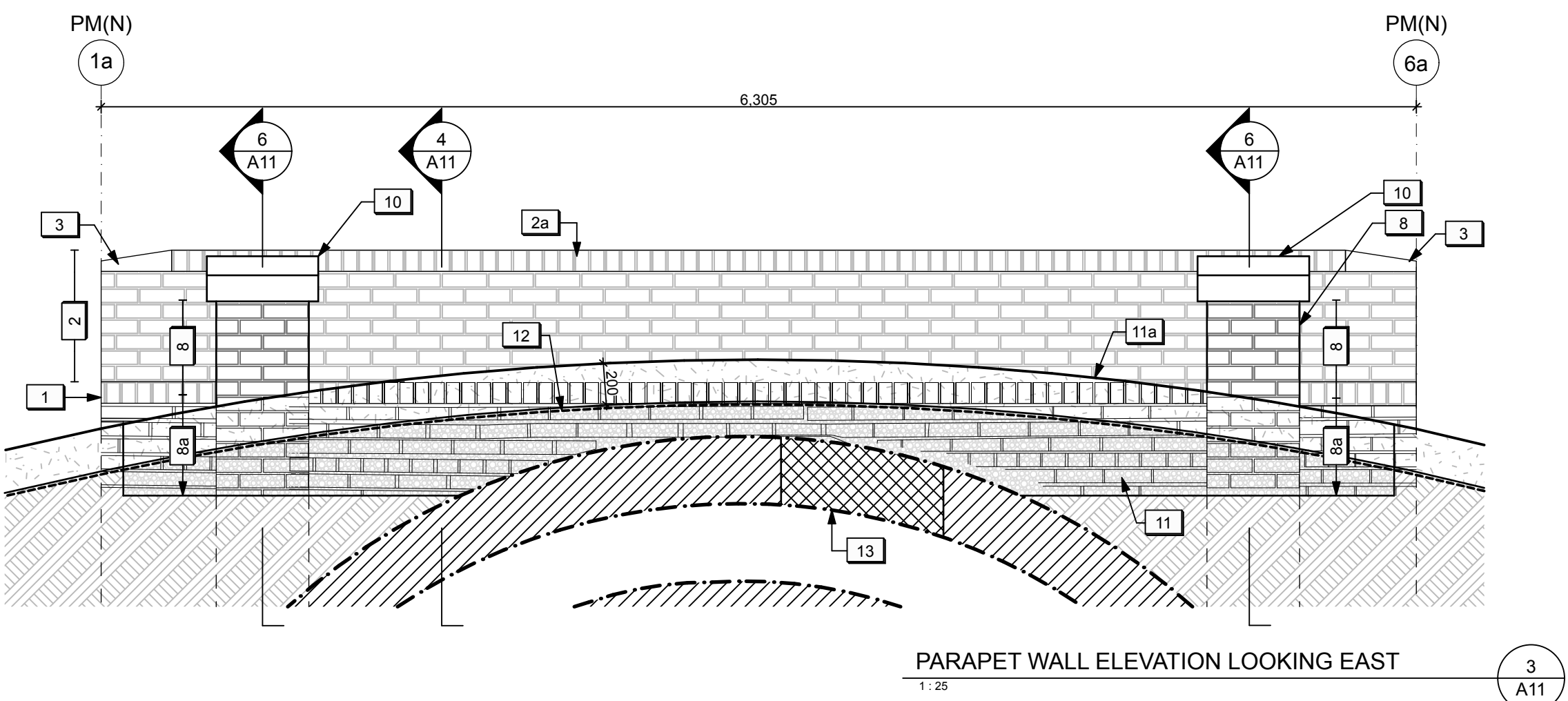
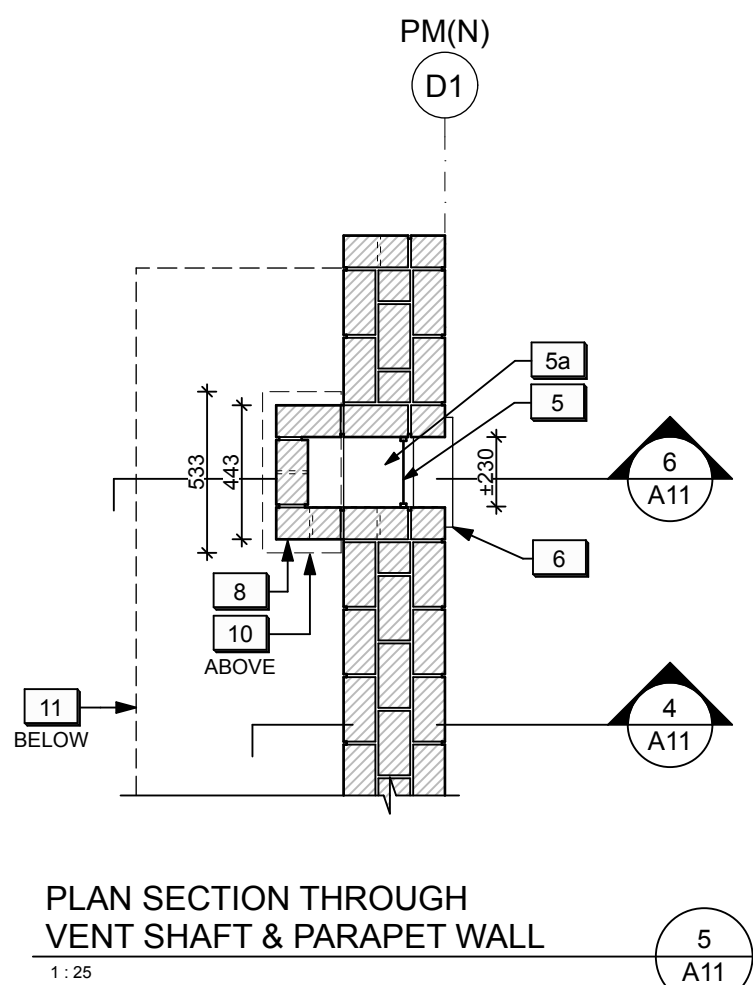
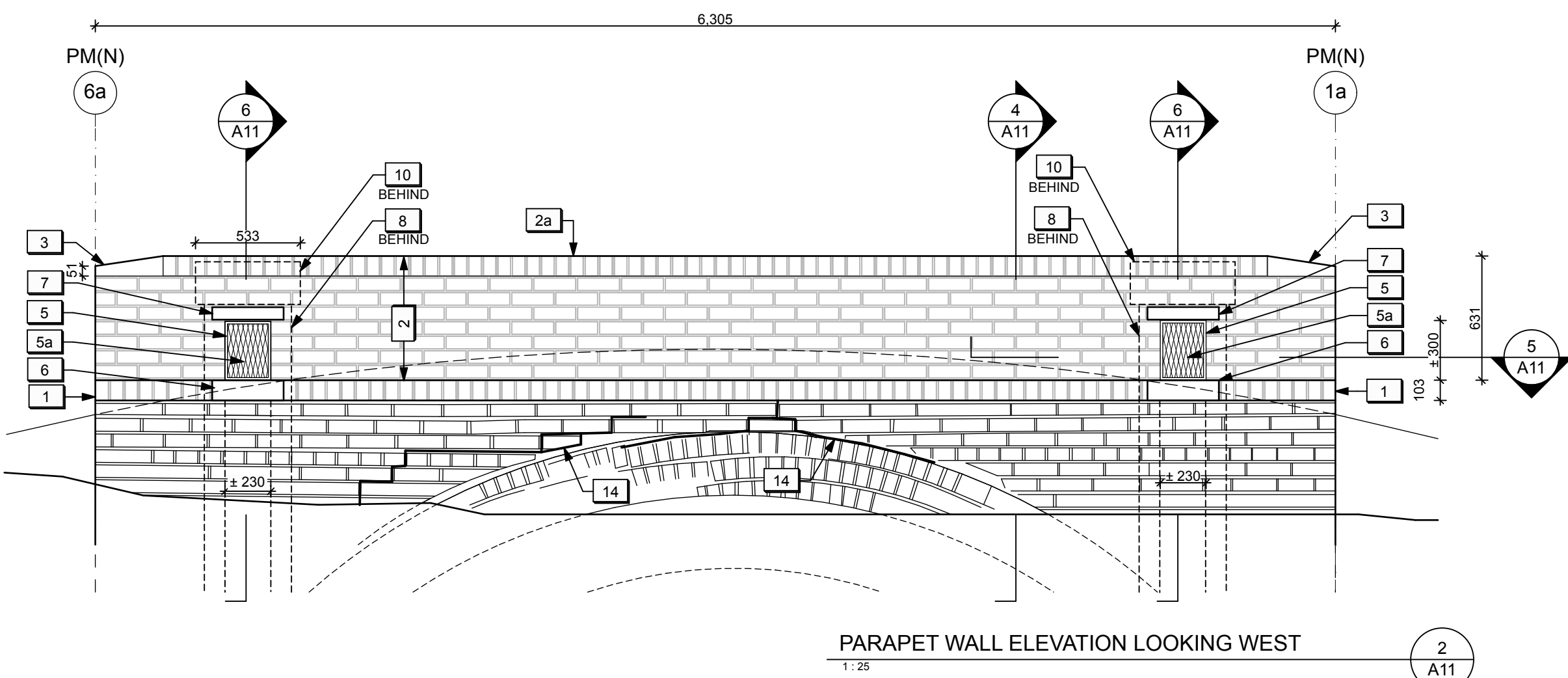
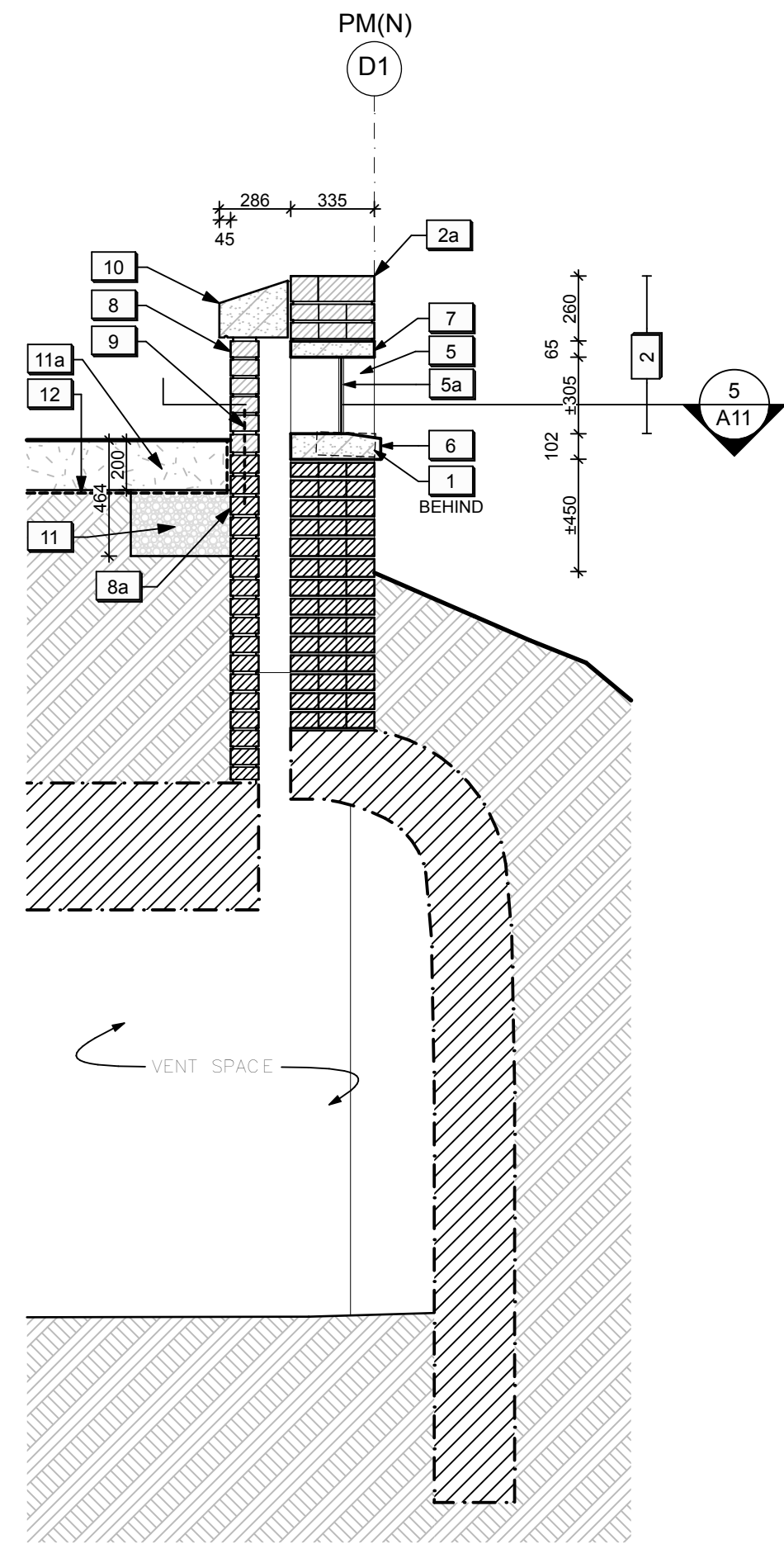
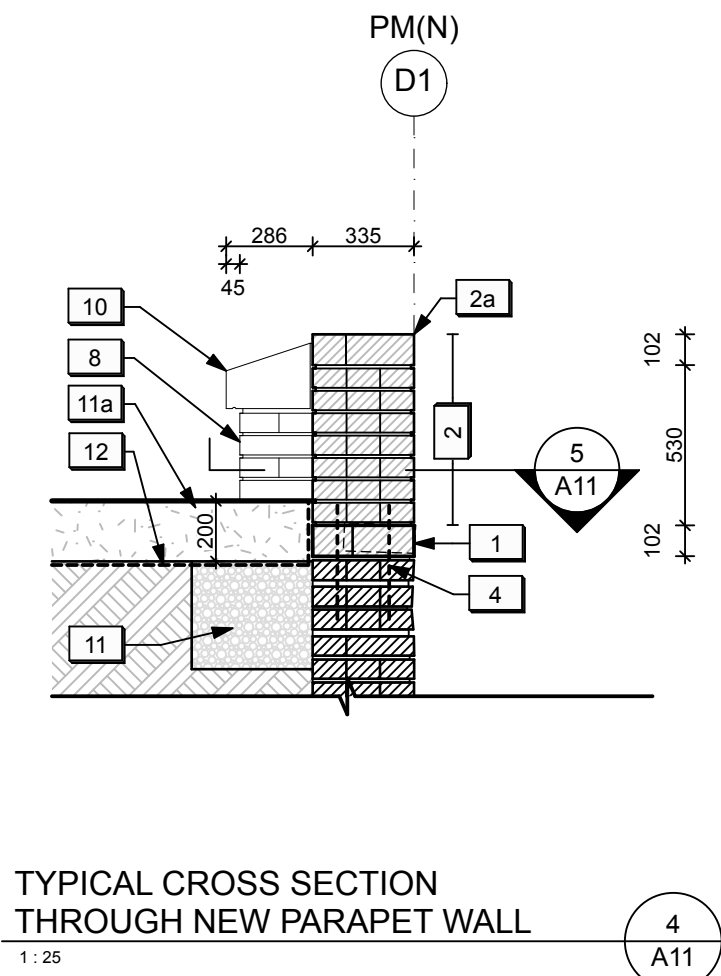
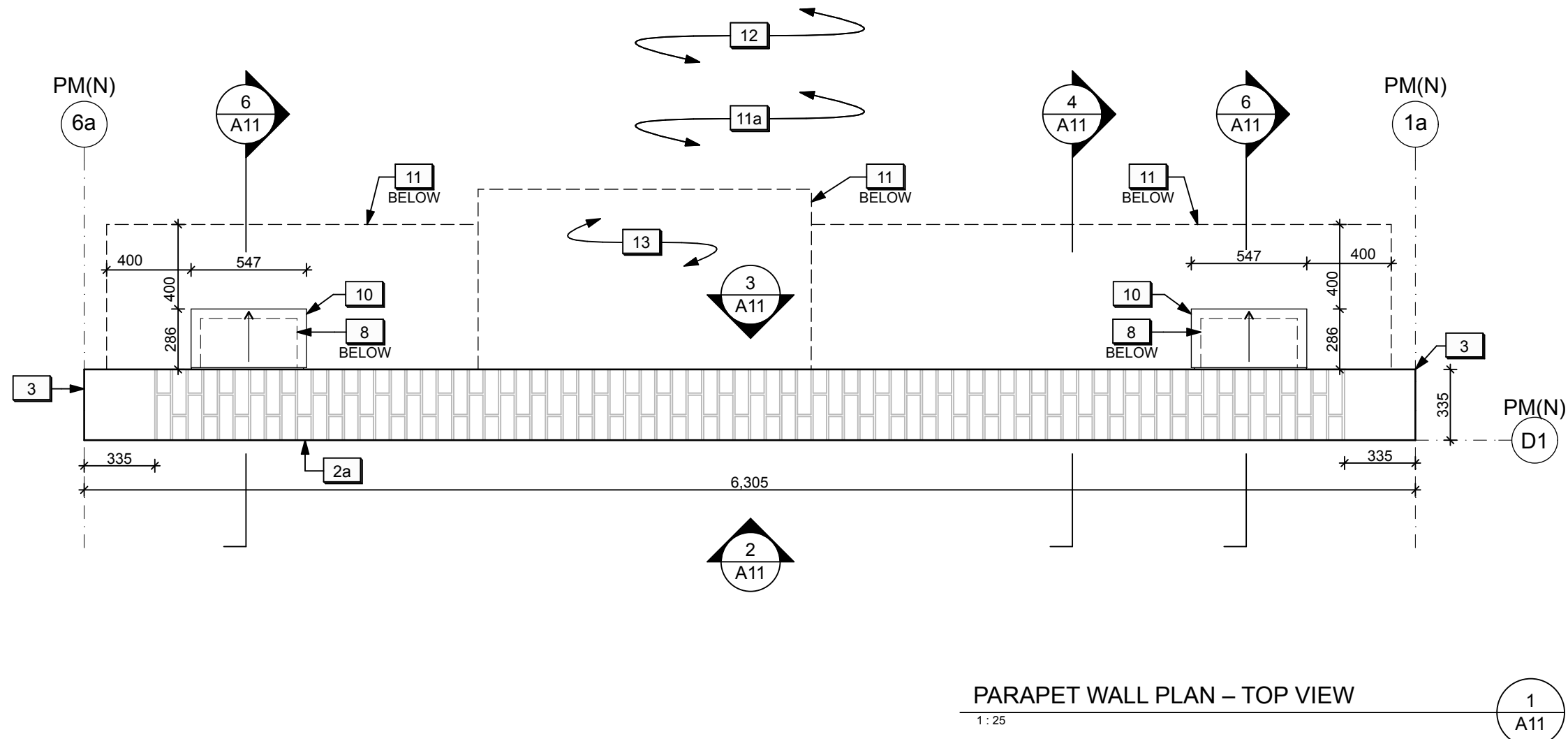
Approved by / Approuvé par  
LM  
2016-07-12

Checked by / Vérifié par  
LM

Project No. / No. du projet PRO 000808	Asset No. 1300164	Sheet No. / Feuille No. <b>A10</b>
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Filename: /Volumes/Mother/2 PROJECT FILES/ACTIVE/FORT MISSISSAUGA/2 WORKING DRAWINGS/Powder Magazine WD.pln Plotted: 2016-07-12 1:54 PM



LEGEND (POWDER MAGAZINES - DETAILS):

	EXISTING BRICK TO REMAIN (SECTION)		EXISTING MASONRY STRUCTURE TO REMAIN (SECTION)
	EXISTING BRICK TO REMAIN (ELEVATION)		NEW / REPAIRED MASONRY STRUCTURE (SECTION)
	NEW BRICK (SECTION)		EXISTING SUBGRADE TO REMAIN
	NEW BRICK (ELEVATION)		NEW TOPSOIL & SEED
	NEW STONE (SECTION)		NEW GRANULAR FILL
	EXISTING STRUCTURAL CRACK (APPROX. LOCATION)		

DRAWING NOTES (POWDER MAGAZINES - DETAILS):

- Reconstructed header course of existing brick parapet wall.
- New brick parapet wall.
- New brick coping.
- New stone end cap.
- Vertical anchor/connection between new brick parapet wall and existing brick parapet wall below. Refer to Structural.
- New masonry opening in parapet wall extension.
- New metal security grille.
- New stone sill.
- New stone lintel.
- New brick vent shaft extension.
- Existing brick vent shaft to be repaired / stabilized as required.
- Vertical anchor/connection between new brick vent shaft extension and existing brick vent shaft below. Refer to Structural.
- New sloped stone cap.
- New granular fill. Refer to Landscape.
- New topsoil and seed. Refer to Landscape.
- New drainage layer. Refer to Landscape.
- Vault repair. Refer to Structural.
- Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
- Reserved.
- Existing masonry opening into vent space to be enlarged.
- New brick sill.
- New concrete strut beam. Refer to Structural.
- New concrete topping. Refer to Structural.
- New HSS steel support frame. Refer to Structural.
- Existing metal gate to be restored and reinstalled.
- Hinge pins to be surface-mounted on face of existing masonry as required.
- Height of existing metal gate to be modified to accommodate revised grade.
- New stone dust surface. Refer to landscape.
- New 50 mm horizontal insulation. Refer to Landscape.
- New steel plate anchored to concrete strut beam. Refer to Structural.
- New steel shim plates. Refer to Structural.
- New steel anchor. Refer to Structural.
- New steel brace. Refer to Structural.



revision	issued / revisions	yyyy/mm/dd
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Linear dimensions in millimeters  
Dimensions lineaires en millimetres

Client Acceptance / Acceptation du client

Signature \_\_\_\_\_ Date \_\_\_\_\_  
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Canada

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**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin

**NORTH POWDER MAGAZINE  
- PARAPET WALL DETAILS**

Scale / Echelle

1:50

Drawn by / Dessine par  
AC / ML  
2016-07-12

Field Recording by /  
Releve-Termin par  
LM

Approved by / Approuve par  
LM  
2016-07-12

Checked by / Verifie par  
LM

Project No. / No. du projet PRO 000808	Asset No. 1300164	Sheet No. / Feuille No. A11
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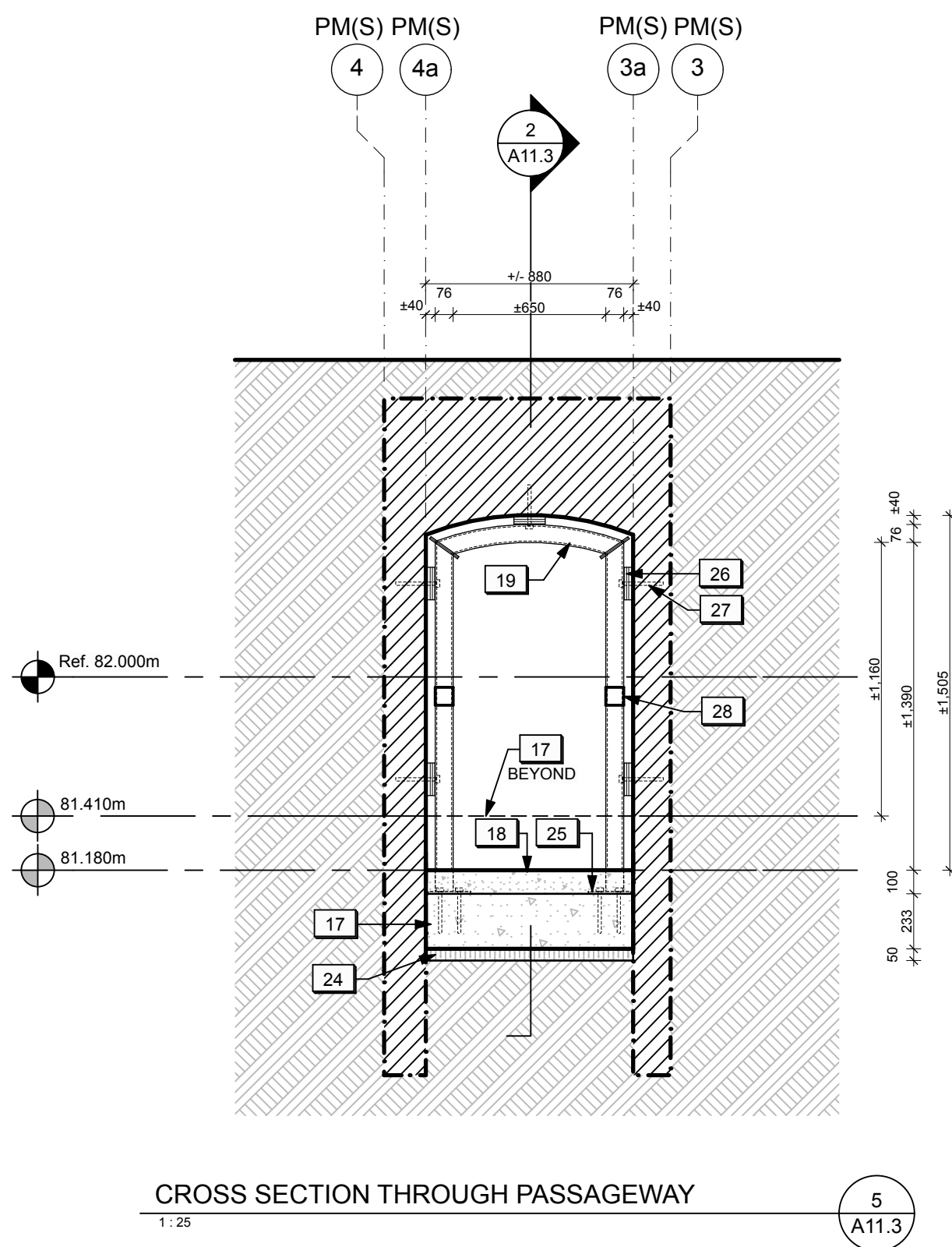
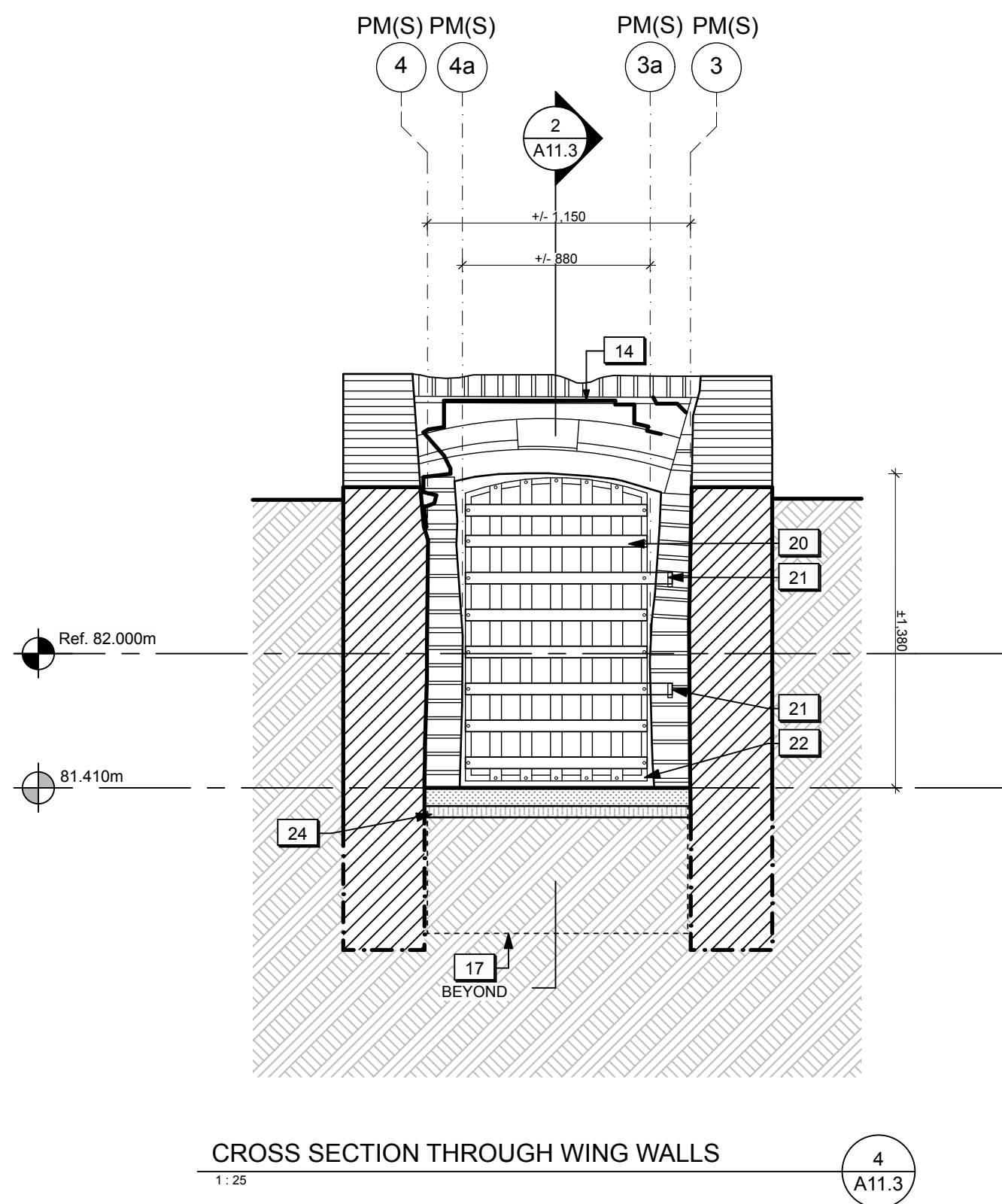
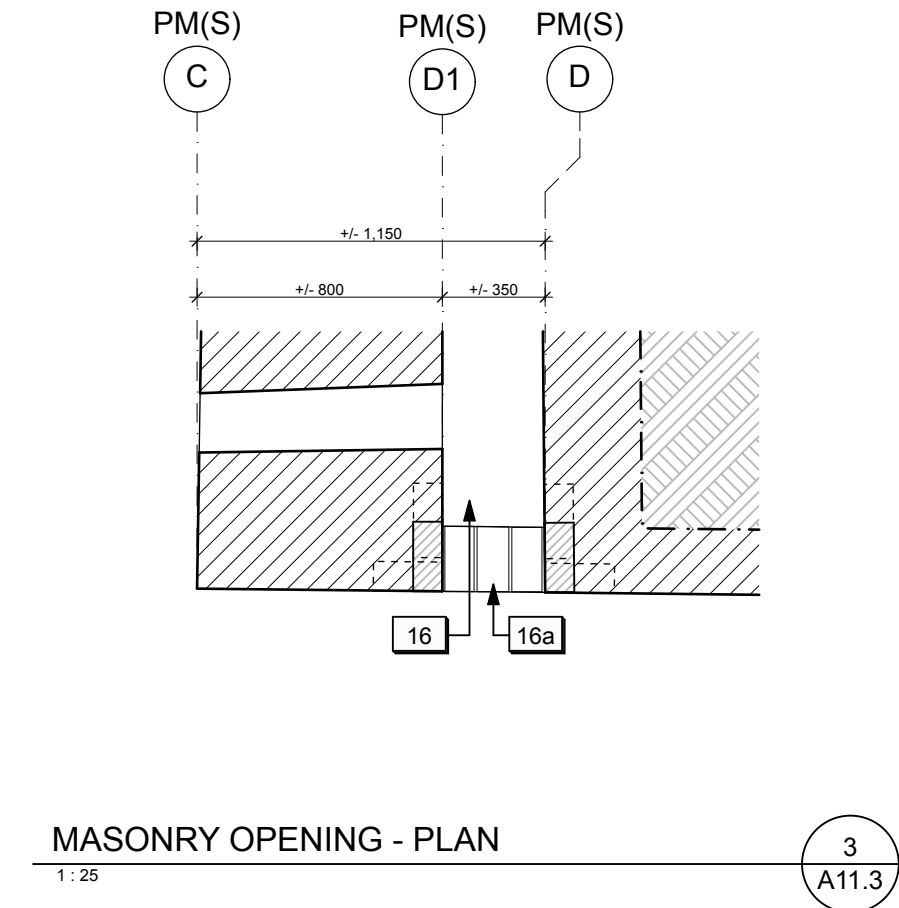
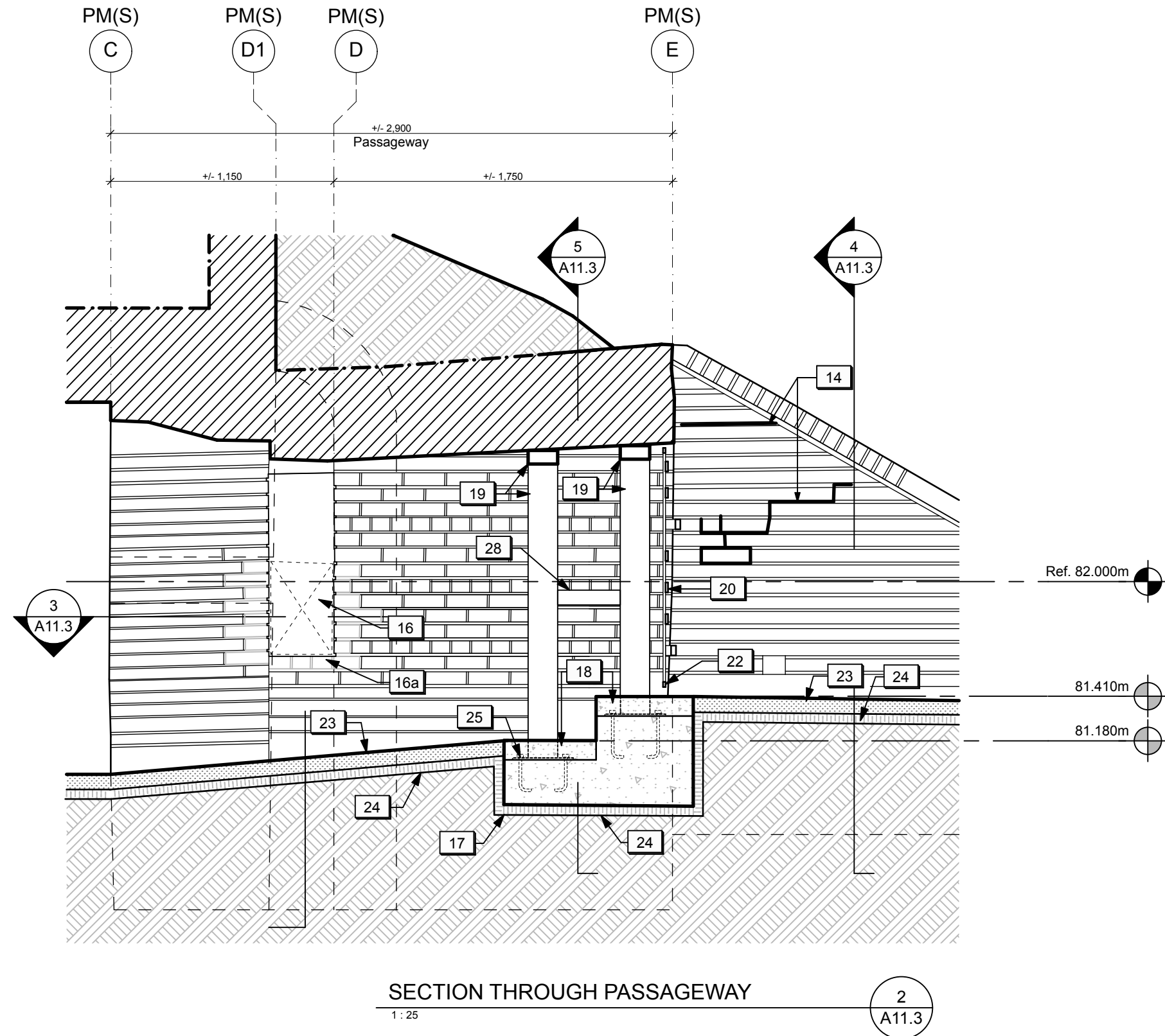
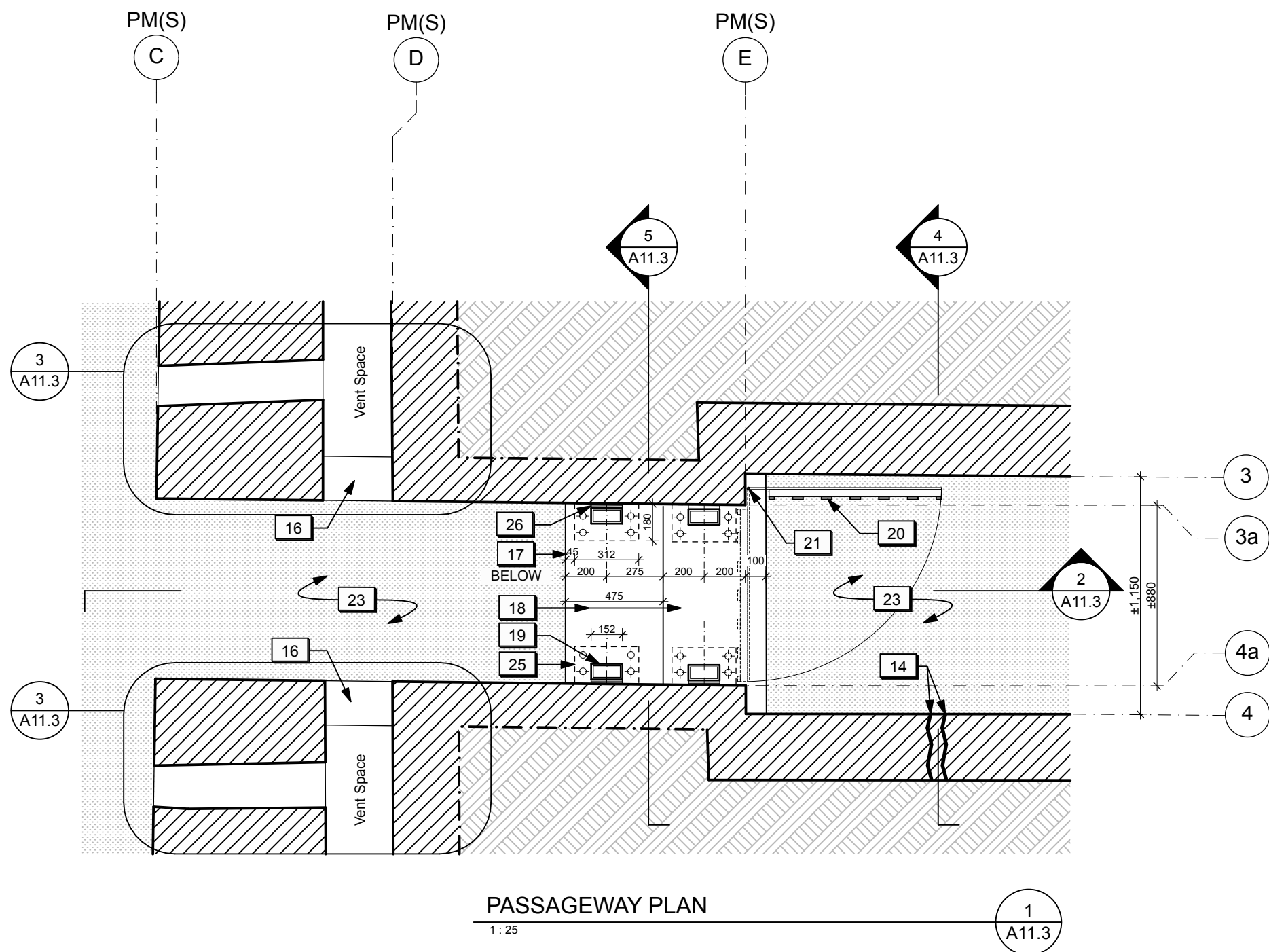








Filename: /Volumes/Mother/2 PROJECT FILES/ACTIVE/FORT MISSISSAUGA/2 WORKING DRAWINGS/Powder Magazine WD.pln Plotted: 2016-07-12 1:54 PM



LEGEND (POWDER MAGAZINES - DETAILS):

	EXISTING BRICK TO REMAIN (SECTION)		EXISTING MASONRY STRUCTURE TO REMAIN (SECTION)
	EXISTING BRICK TO REMAIN (ELEVATION)		NEW / REPAIRED MASONRY STRUCTURE (SECTION)
	NEW BRICK (SECTION)		EXISTING SUBGRADE TO REMAIN
	NEW BRICK (ELEVATION)		NEW TOPSOIL & SEED
	NEW STONE (SECTION)		NEW GRANULAR FILL
	EXISTING STRUCTURAL CRACK (APPROX. LOCATION)		

DRAWING NOTES (POWDER MAGAZINES - DETAILS):

- Reconstructed header course of existing brick parapet wall.
- New brick parapet wall.
- New brick coping.
- New stone end cap.
- Vertical anchor/connection between new brick parapet wall and existing brick parapet wall below. Refer to Structural.
- New masonry opening in parapet wall extension.
- New metal security grille.
- New stone sill.
- New stone lintel.
- New brick vent shaft extension.
- Existing brick vent shaft to be repaired / stabilized as required.
- Vertical anchor/connection between new brick vent shaft extension and existing brick vent shaft below. Refer to Structural.
- New sloped stone cap.
- New granular fill. Refer to Landscape.
- New topsoil and seed. Refer to Landscape.
- New drainage layer. Refer to Landscape.
- Vault repair. Refer to Structural.
- Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
- Reserved.
- Existing masonry opening into vent space to be enlarged.
- New brick sill.
- New concrete strut beam. Refer to Structural.
- New concrete topping. Refer to Structural.
- New HSS steel support frame. Refer to Structural.
- Existing metal gate to be restored and reinstalled.
- Hinge pins to be surface-mounted on face of existing masonry as required.
- Height of existing metal gate to be modified to accommodate revised grade.
- New stone dust surface. Refer to landscape.
- New 50 mm horizontal insulation. Refer to Landscape.
- New steel plate anchored to concrete strut beam. Refer to Structural.
- New steel shim plates. Refer to Structural.
- New steel anchor. Refer to Structural.
- New steel brace. Refer to Structural.



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<b>B</b>	B Sheet number	B Sur feuille numero

Linear dimensions in millimeters  
Dimensions lineaires en millimetres

Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No. / No. de dossier \_\_\_\_\_



PARKS CANADA  
SOUTHWESTERN ONTARIO FIELD UNIT

**BARRY PADOLSKY ASSOCIATES INC. ARCHITECTS**  
377 Dufferin Street, Ottawa, ON K1N 9N8  
Tel: (613) 241-7188 Fax: (613) 241-0762  
email@padolsky-architects.com

**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet  
**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin  
**SOUTH POWDER MAGAZINE -  
PASSAGEWAY DETAILS**

Scale / Echelle  
1:50

Drawn by/ Dessine par  
AC / ML  
Date  
2016-07-12

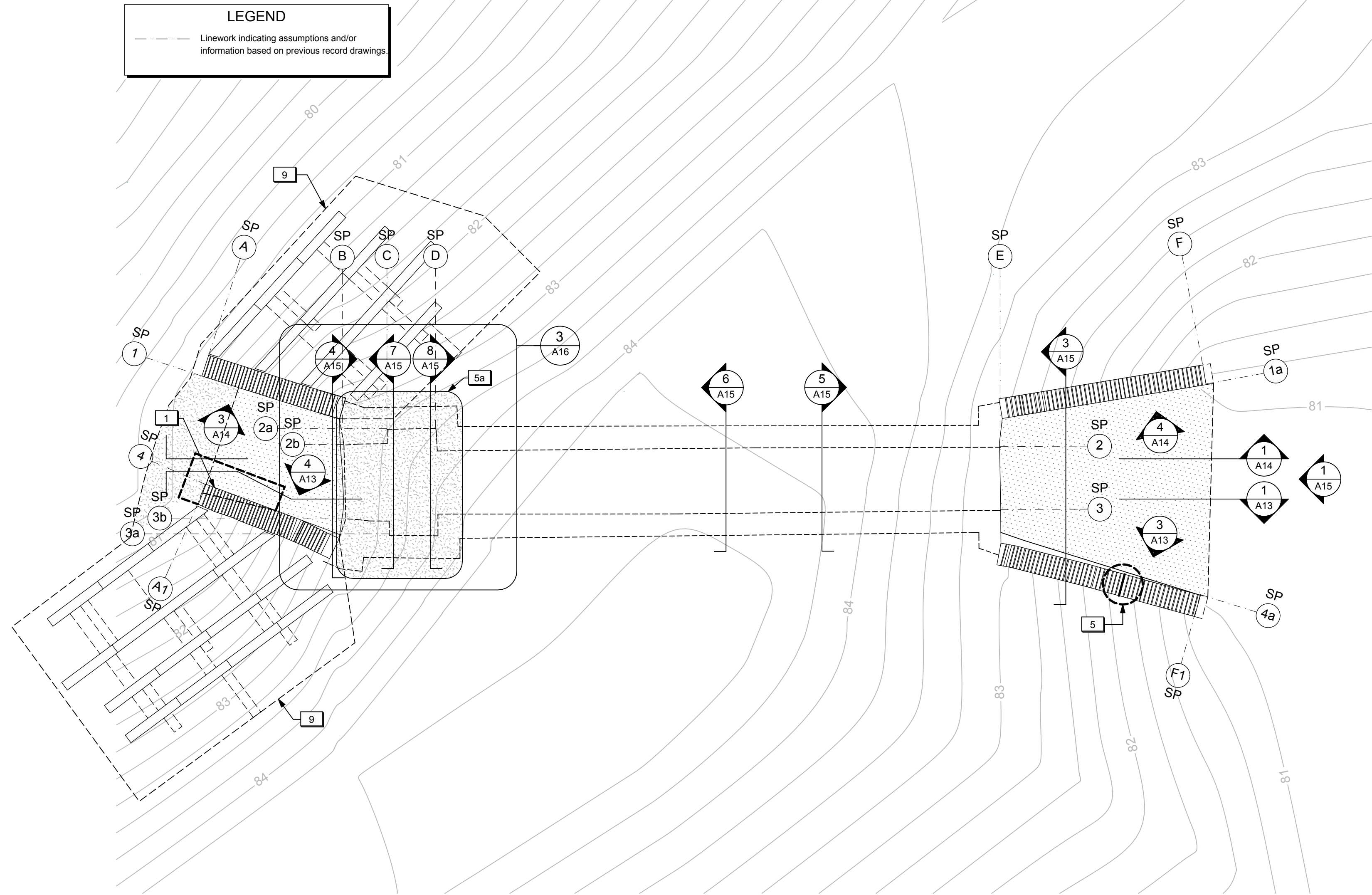
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Releve-Termin par  
LM  
Date

Approved by / Approuve par  
LM  
Date  
2016-07-12

Checked by/ Verifie par  
LM

Project No./ No. du projet PRO 000808	Asset No. 1300164	Sheet No./ Feuille No. <b>A11.3</b>
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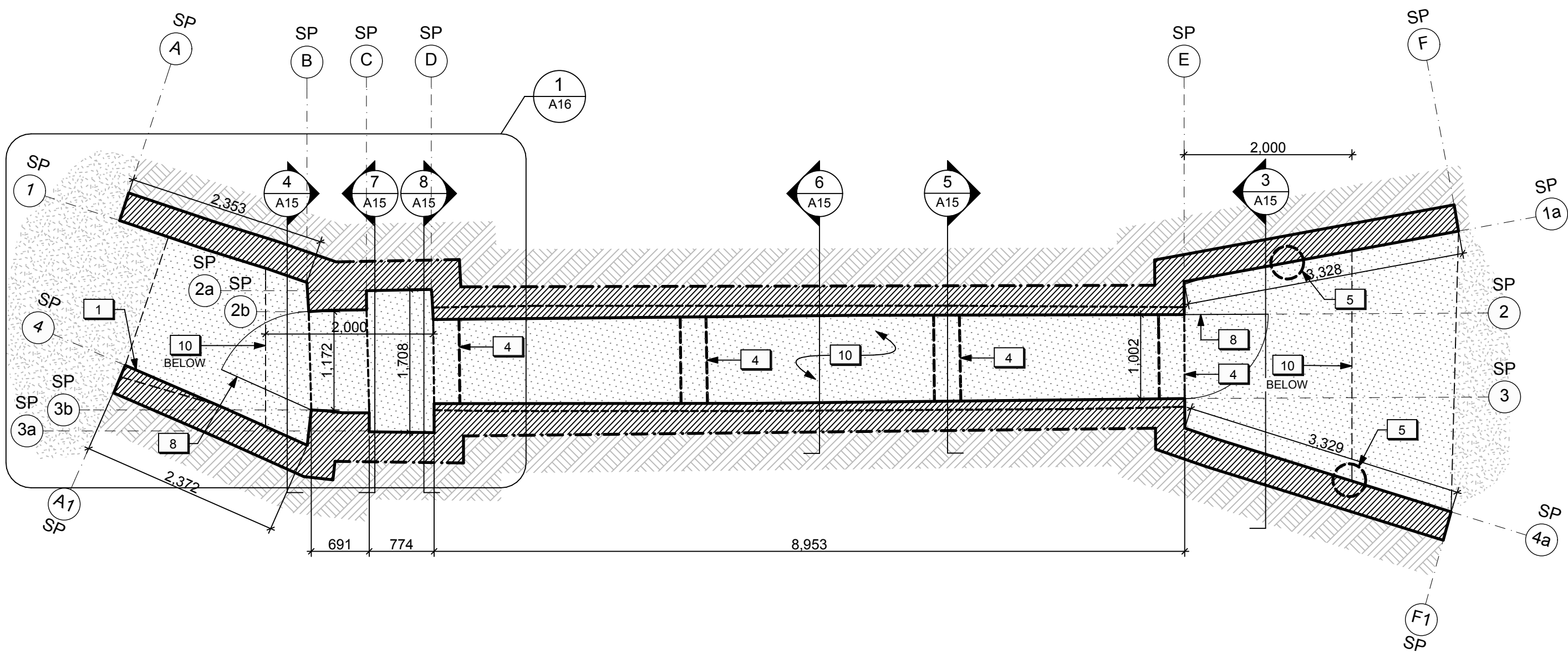




SALLY PORT PLAN - TOP VIEW

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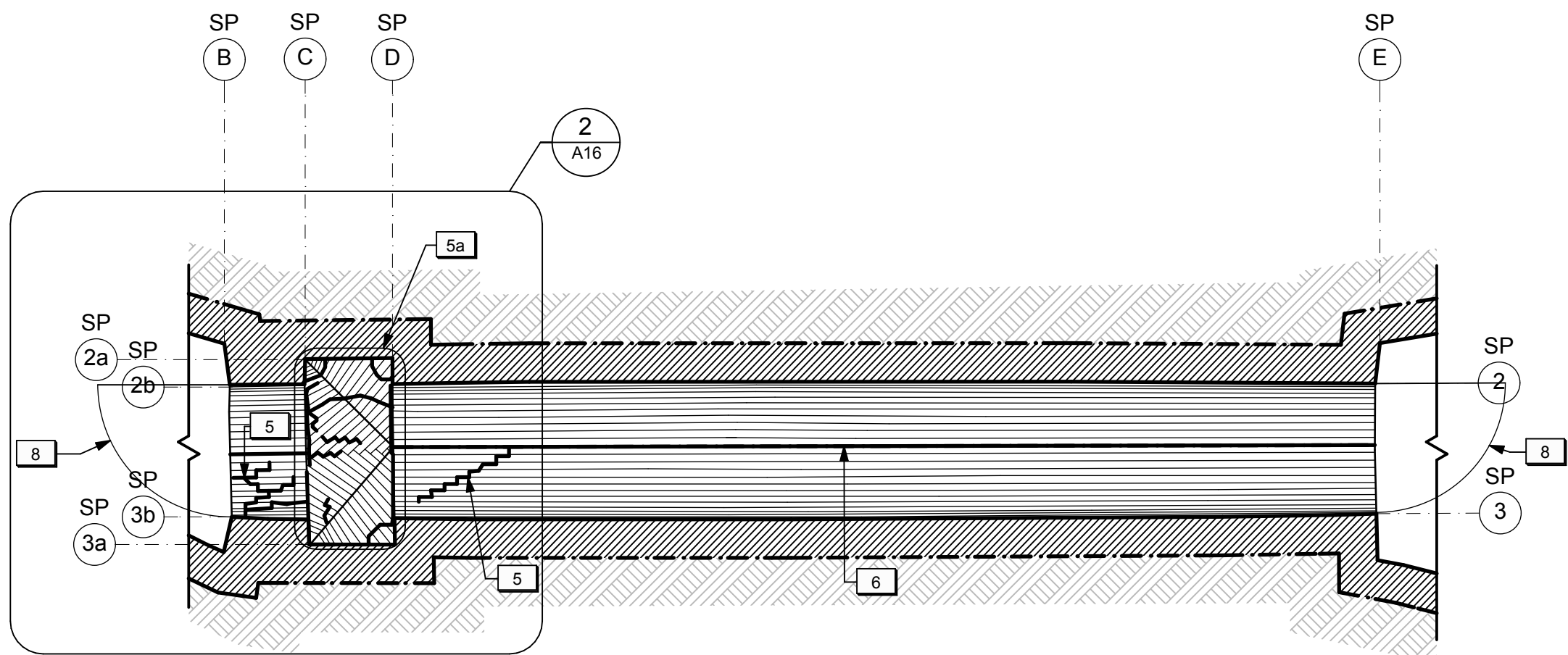
1  
A12



SALLY PORT PLAN

1:50

2  
A12



SALLY PORT RCP

1:50

3  
A12

DRAWING NOTES (SALLY PORT)

1. New concrete footing at the end portion of the south exterior wing wall. Refer to Structural.
2. New Granular A backfill. Refer to Landscape.
3. New stone dust surface. Refer to Landscape.
4. New concrete strut beam below grade. Refer to Structural.
5. Area of localized masonry structural crack repair (unit price). Refer to Details 2/A4 & 2.1/A4.
- 5a. Existing masonry structure in Alcove to be repaired from interior and exterior.
6. Existing structural crack to be injected with grout from interior. Refer to Structural.
7. Existing drainage holes in exterior wing walls to be clear of debris/free-draining.
8. Existing metal gate/frame to be restored and reinstalled. Refer to details.
9. Area of new log crib installation. Refer to Landscape.
10. New horizontal insulation below grade. Refer to Structural.
11. New topsoil and seed. Refer to Landscape.

GENERAL NOTES (SALLY PORT)

1. General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior.
2. Existing modern graffiti on the exterior and within the underground tunnel and alcove to remain.

LEGEND (SALLY PORT):

- Existing sub-grade to remain.
- New topsoil and seed. Refer to Landscape.
- New stone dust surface.
- Existing masonry structure to remain.
- New granular fill.
- Reinstated native fill.
- Existing structural crack. (Approx. location)



06	Re-issued for Tender	2016/07/12
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revision	issued / revisions	yyyy/mm/dd

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A	A Detail number	A Numero de detail
B	B Sheet number	B Sur feuille numero

Linear dimensions in millimeters Dimensions lineaires en millimetres

Client Acceptance / Acceptation du client

Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No. / No. de dossier \_\_\_\_\_



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**PARSONS**

JOB NO. 60295

Type of Record /  
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Project title / Titre du projet

**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin

**SALLY PORT PLANS**

Scale / Echelle

1:50

Drawn by / Dessine par \_\_\_\_\_ Date \_\_\_\_\_  
AC/ML 2016-07-12

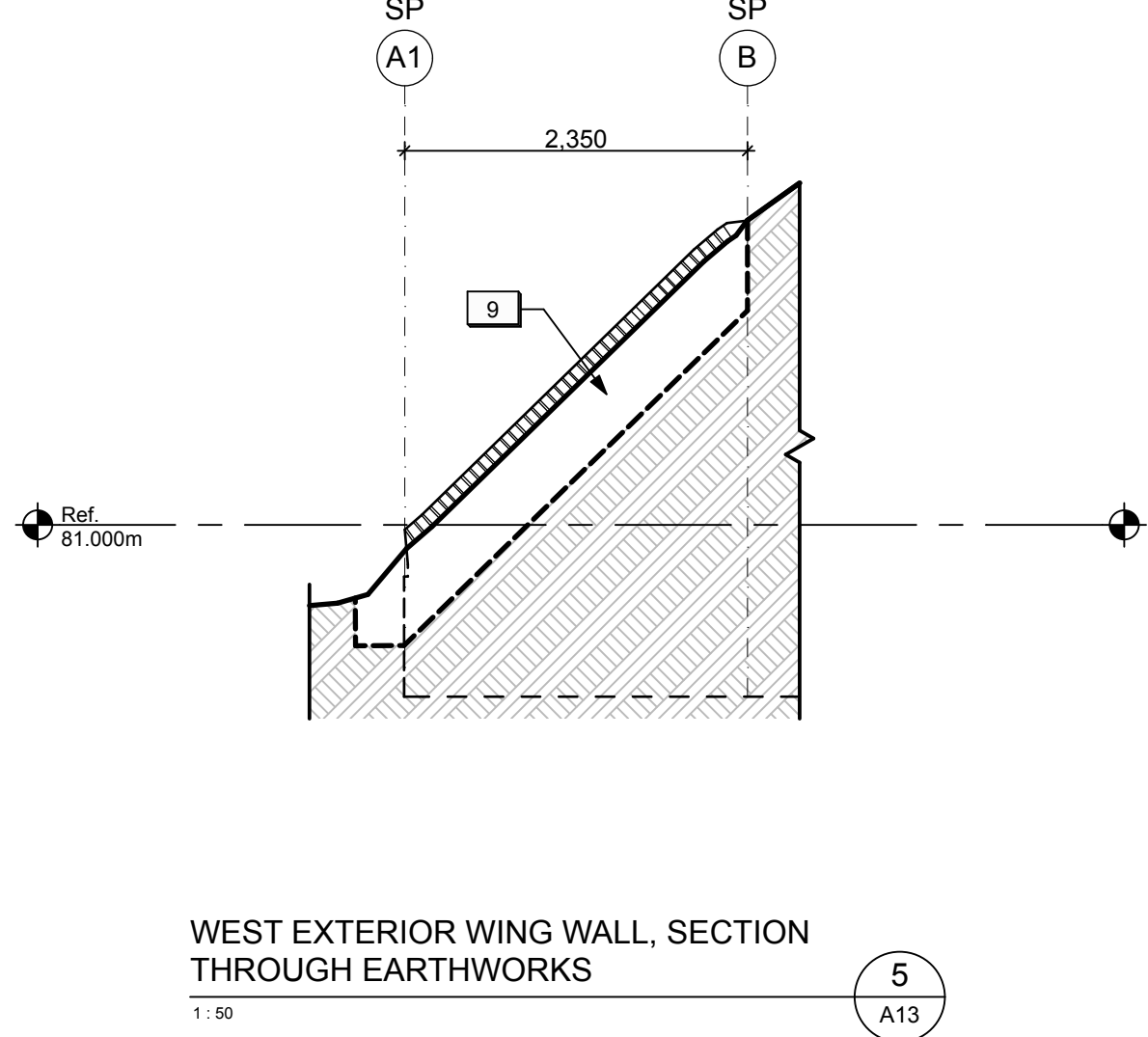
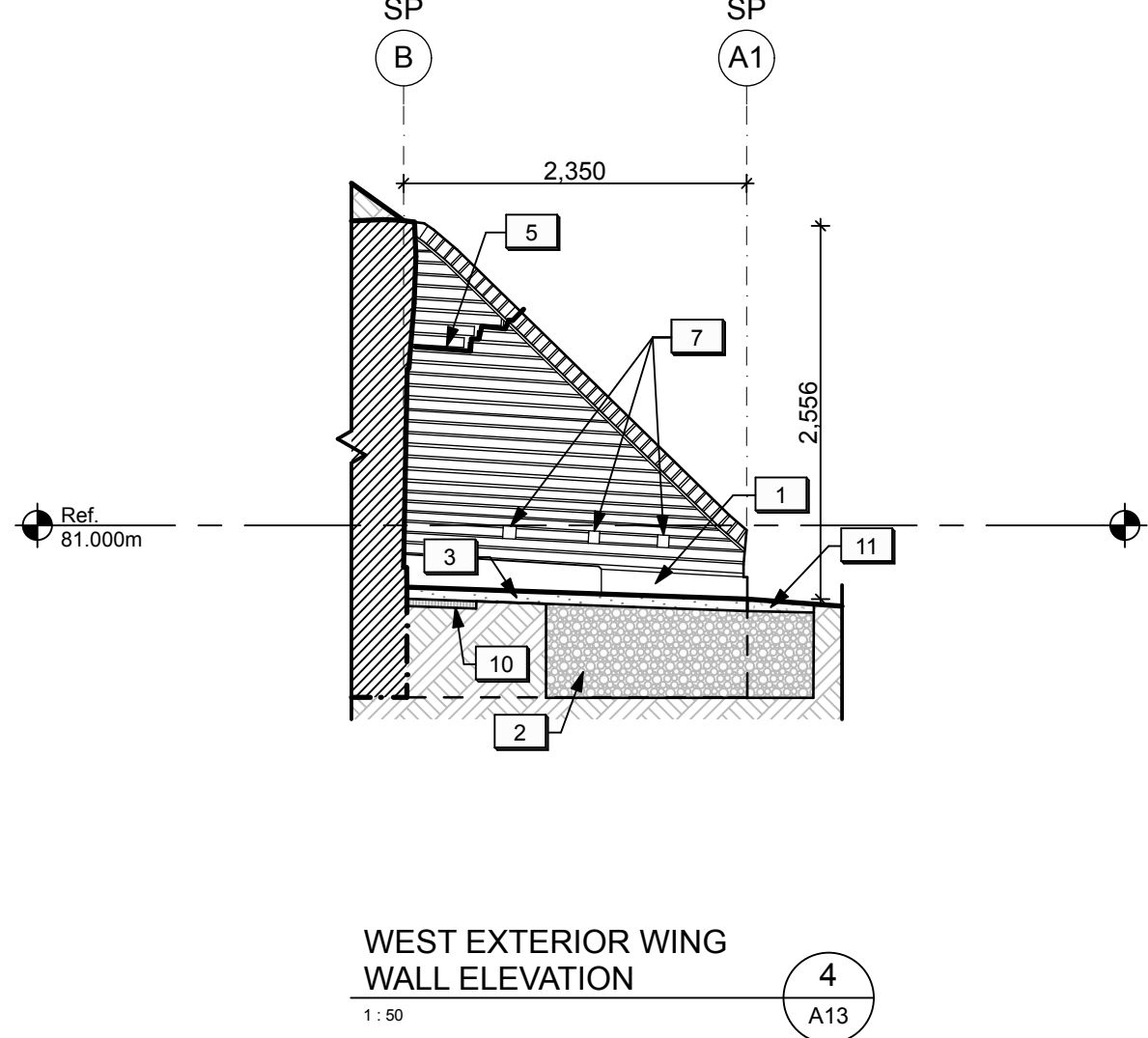
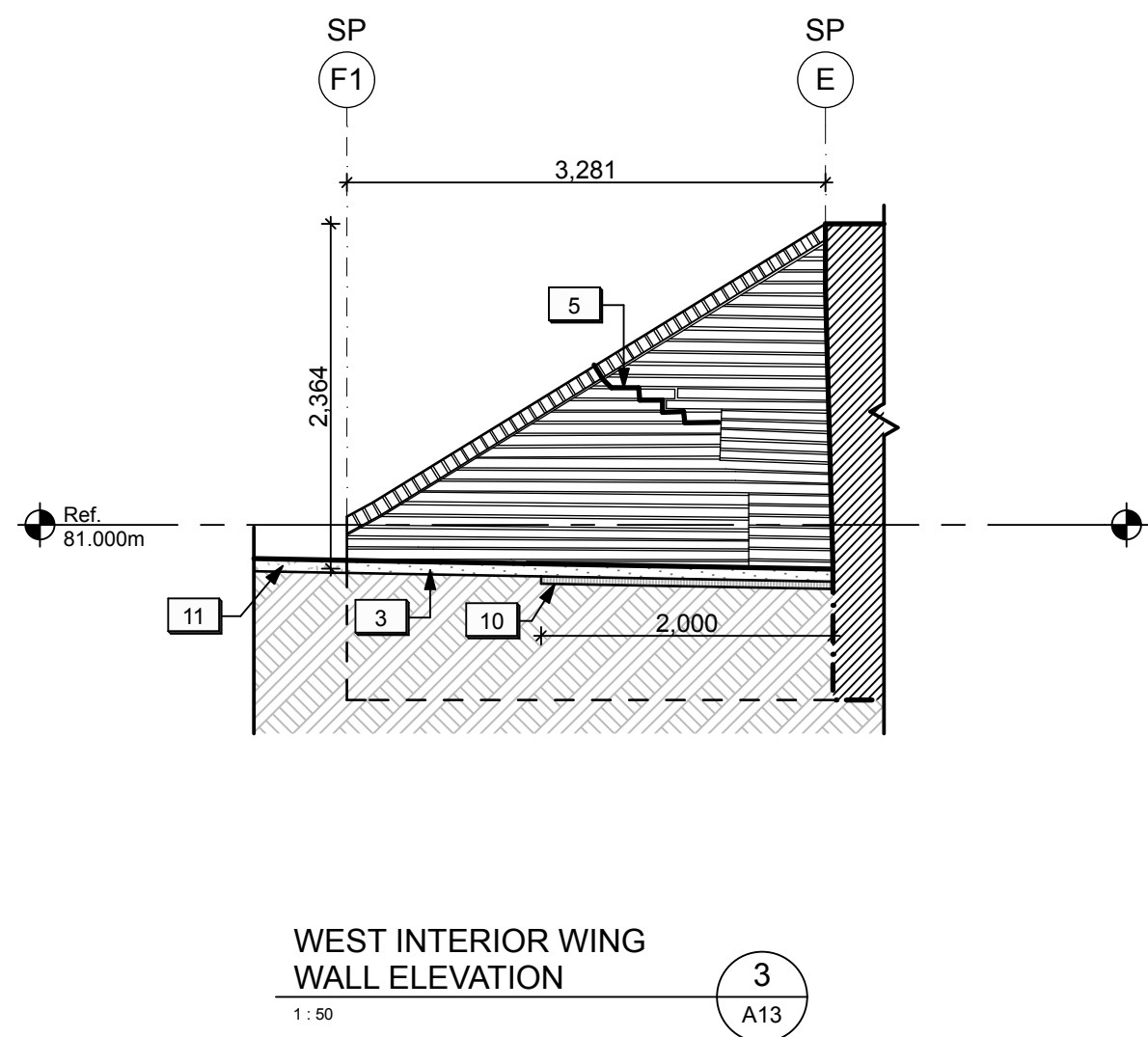
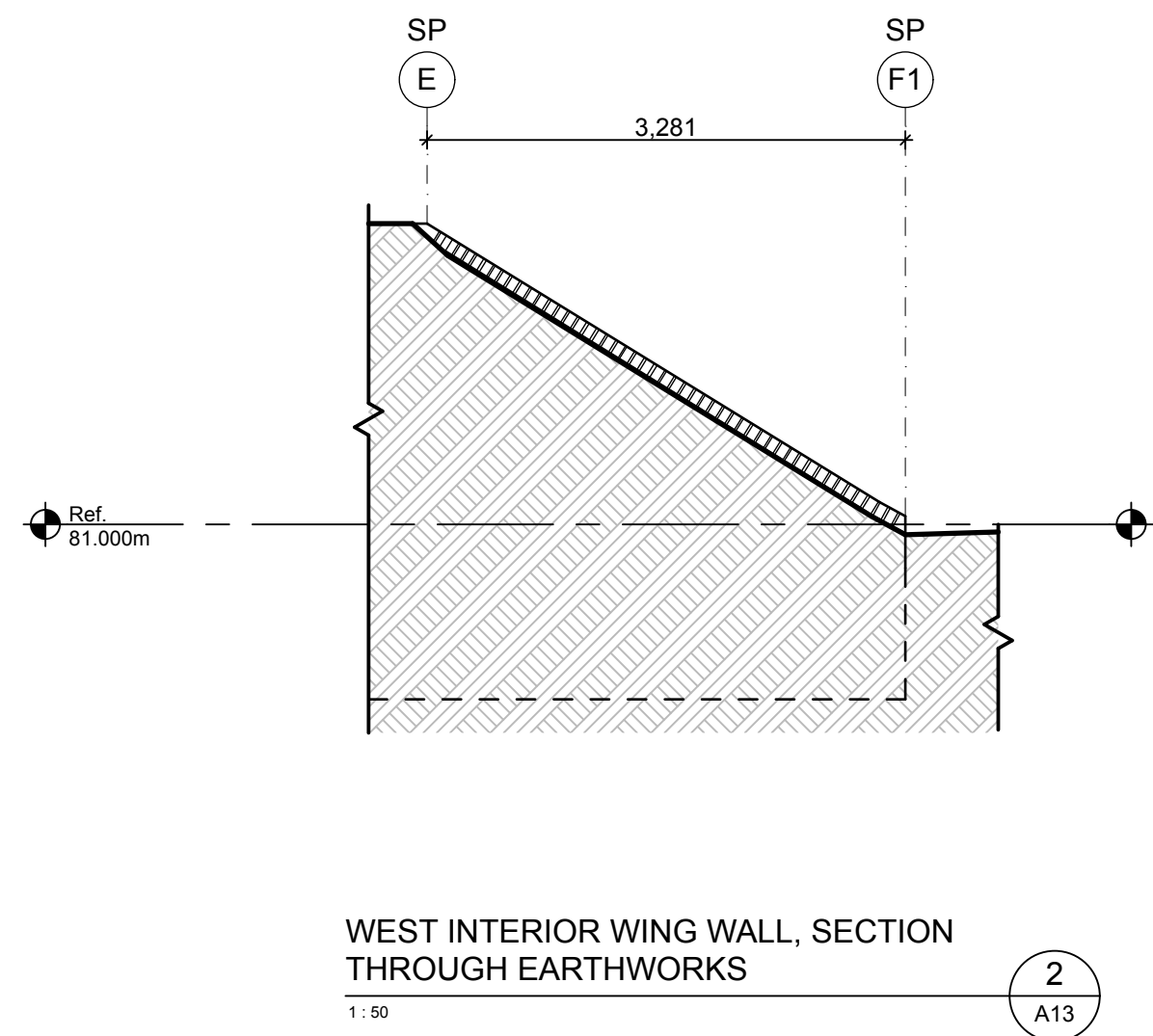
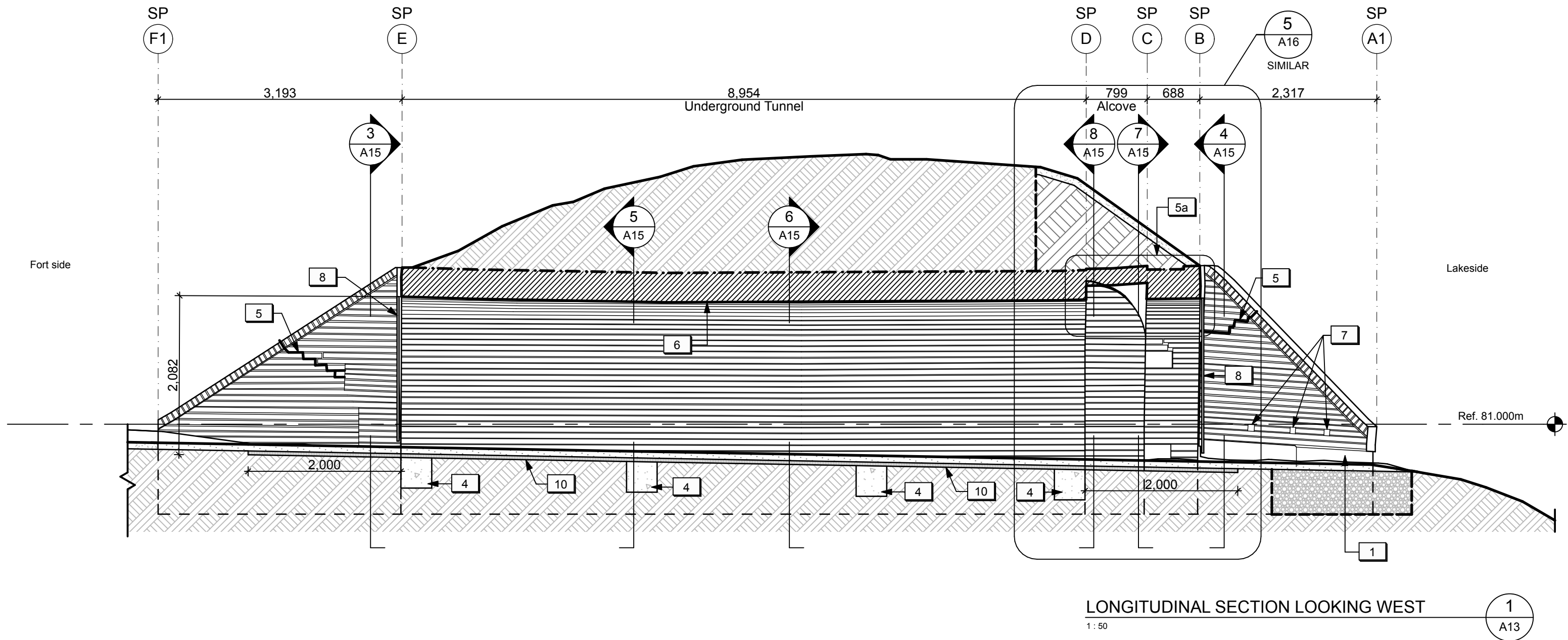
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Releve-Temoins par \_\_\_\_\_ Date \_\_\_\_\_

Approved by / Approuve par \_\_\_\_\_ Date \_\_\_\_\_  
LM 2016-07-12

Checked by / Verifie par  
LM

Project No. / No. du projet PRO 000808	Asset No. 1300182	Sheet No. / Feuille No. <b>A12</b>
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#### GENERAL NOTES (SALLY PORT)

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior.
- Existing modern graffiti on the exterior and within the underground tunnel and alcove to remain.

#### LEGEND (SALLY PORT):

- Existing sub-grade to remain.
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- Reinstated native fill.
- Existing structural crack. (Approx. location)

#### DRAWING NOTES (SALLY PORT)

- New concrete footing at the end portion of the south exterior wing wall. Refer to Structural.
- New Granular A backfill. Refer to Landscape.
- New stone dust surface. Refer to Landscape.
- New concrete strut beam below grade. Refer to Structural.
- Area of localized masonry structural crack repair (unit price). Refer to Details 2/A4 & 2.1/A4.
- Existing masonry structure in Alcove to be repaired from interior and exterior.
- Existing structural crack to be injected with grout from interior. Refer to Structural.
- Existing drainage holes in exterior wing walls to be clear of debris/free-draining.
- Existing metal gate/frame to be restored and reinstalled. Refer to details.
- Area of new log crib installation. Refer to Landscape.
- New horizontal insulation below grade. Refer to Structural.
- New topsoil and seed. Refer to Landscape.



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Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No. / No. de dossier \_\_\_\_\_



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**PARSONS**

JOB NO: 60295

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Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin

**SALLY PORT SECTIONS &  
ELEVATIONS 1**

Scale / Echelle

1:50

Drawn by/ Dessiné par  
AC/ML  
Date  
2016-07-12

Field Recording by /  
Releve-Termoin par  
Date

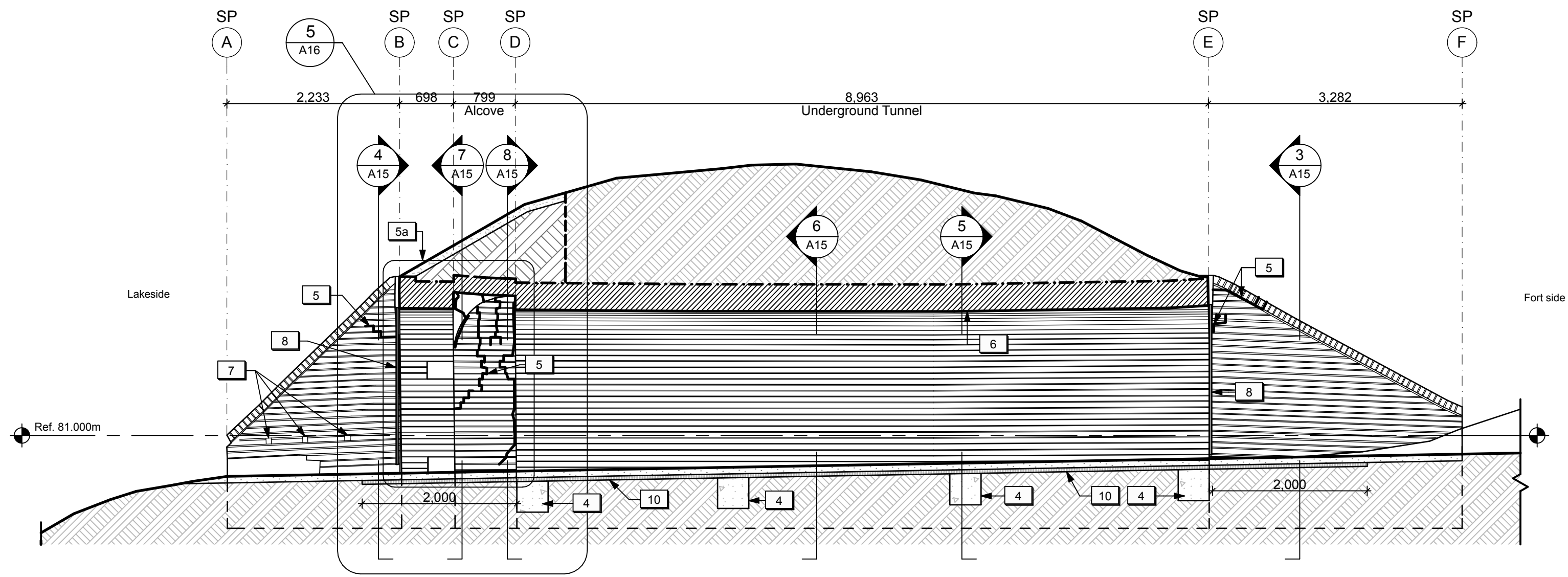
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LM  
Date  
2016-07-12

Checked by/ Vérifié par  
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Project No./ No. du projet PRO 000808	Asset No. 1300182	Sheet No./ Feuille No. <b>A13</b>
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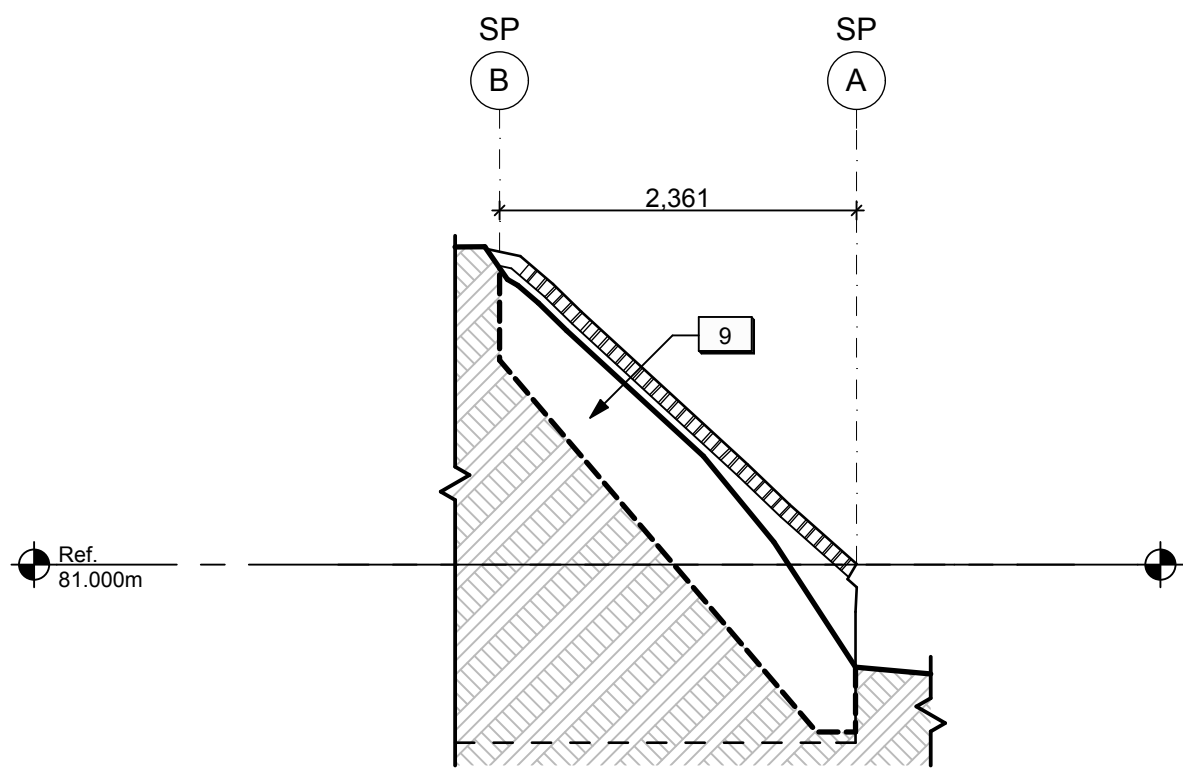
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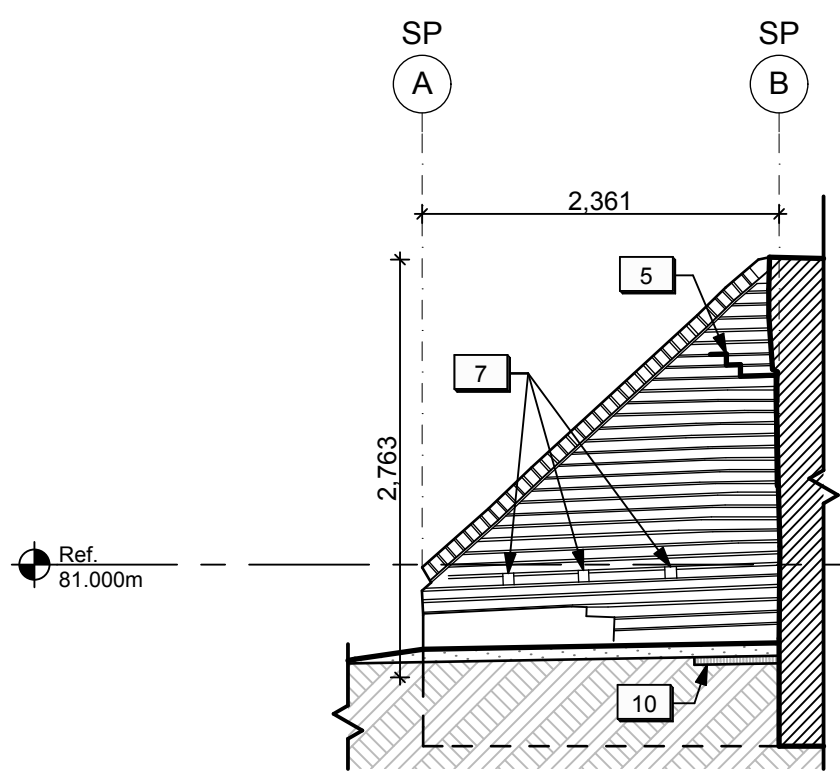
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A14



EAST EXTERIOR WING WALL, SECTION THROUGH EARTHWORKS

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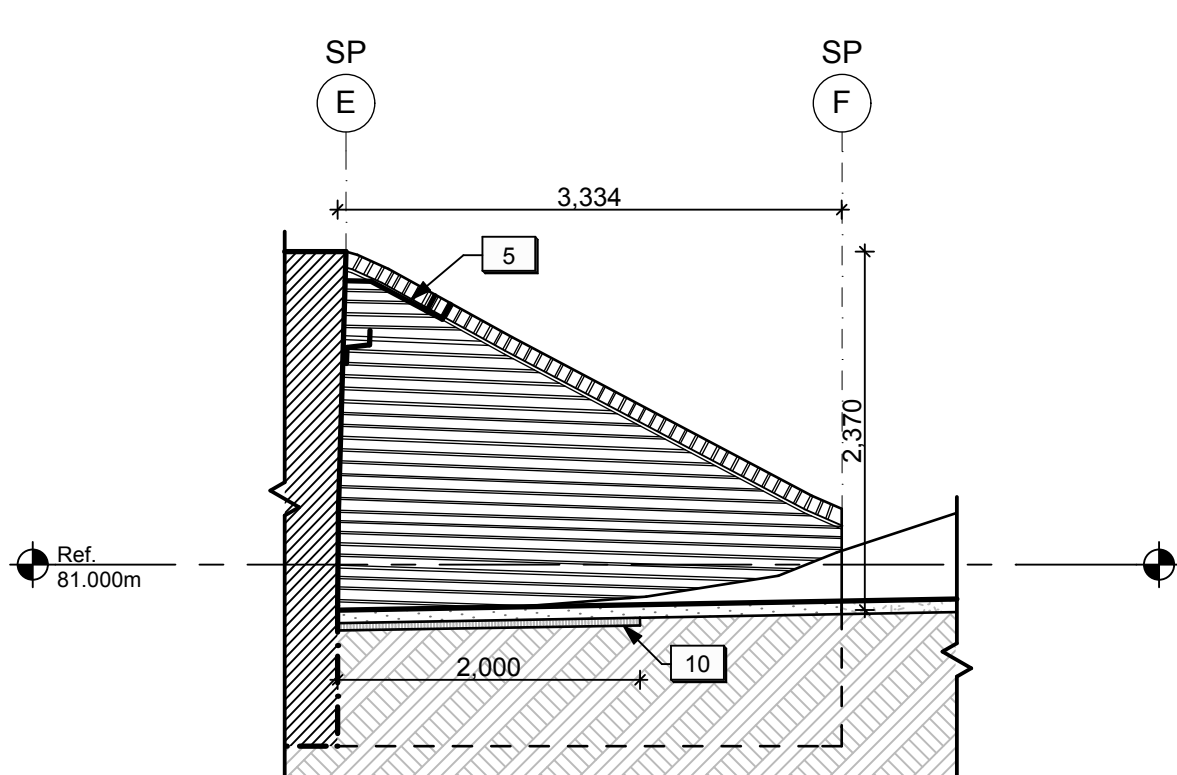
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EAST EXTERIOR WING WALL ELEVATION

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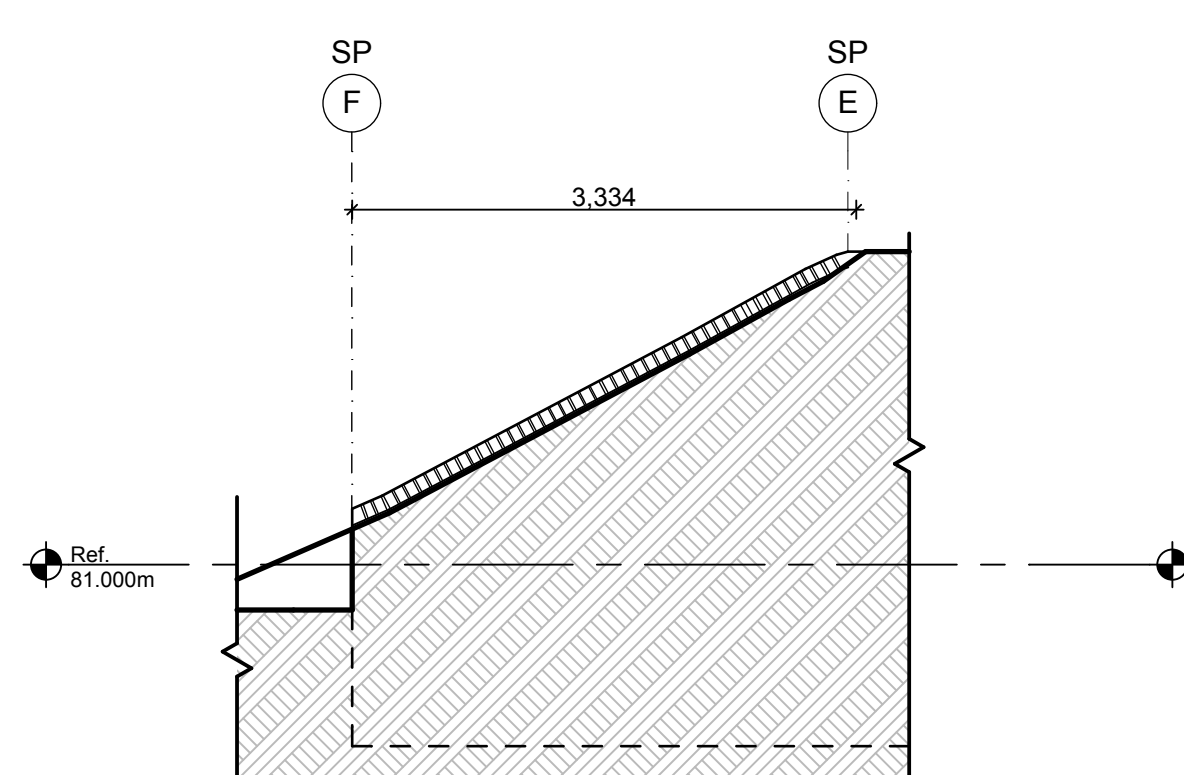
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A14



EAST INTERIOR WING WALL ELEVATION

1:50

4  
A14



EAST INTERIOR WING WALL, SECTION THROUGH EARTHWORKS

1:50

5  
A14

GENERAL NOTES (SALLY PORT)

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior.
- Existing modern graffiti on the exterior and within the underground tunnel and alcove to remain.

LEGEND (SALLY PORT):

- Existing sub-grade to remain.
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- Reinstated native fill.
- Existing structural crack. (Approx. location)

DRAWING NOTES (SALLY PORT)

- New concrete footing at the end portion of the south exterior wing wall. Refer to Structural.
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- Existing metal gate/frame to be restored and reinstalled. Refer to details.
- Area of new log crib installation. Refer to Landscape.
- New horizontal insulation below grade. Refer to Structural.
- New topsoil and seed. Refer to Landscape.



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Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No. / No. de dossier \_\_\_\_\_



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PARKS CANADA  
SOUTHWESTERN ONTARIO FIELD UNIT

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**PARSONS**

JOB NO. 60295

Type of Record /  
Type d'enregistrement

Project title / Titre du projet

**FORT MISSISSAUGA STABILIZATION PHASE II**

Drawing title / Titre du dessin

**SALLY PORT SECTIONS & ELEVATIONS 2**

Scale / Echelle

1:50

Drawn by/ Dessine par  
AC/ML  
Date  
2016-07-12

Field Recording by /  
Releve-Termoin par  
Date

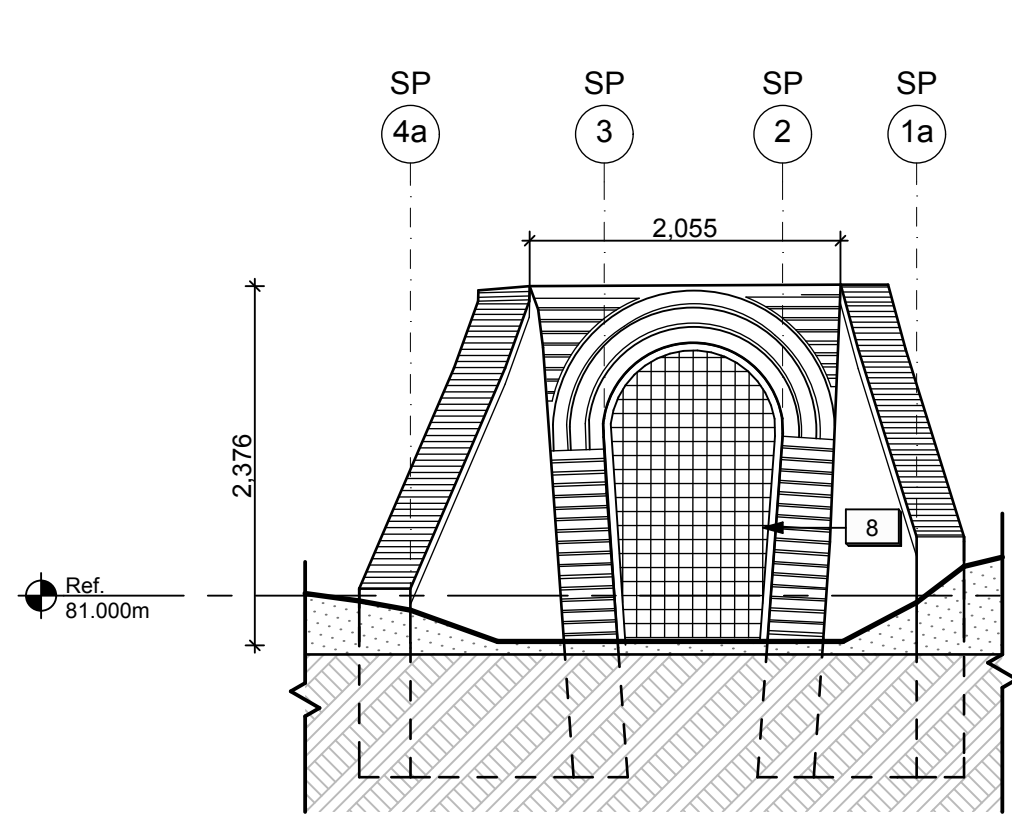
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LM  
Date  
2016-07-12

Checked by/ Verifie par  
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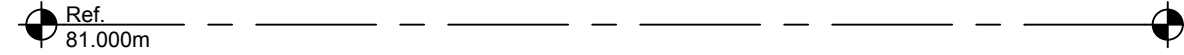


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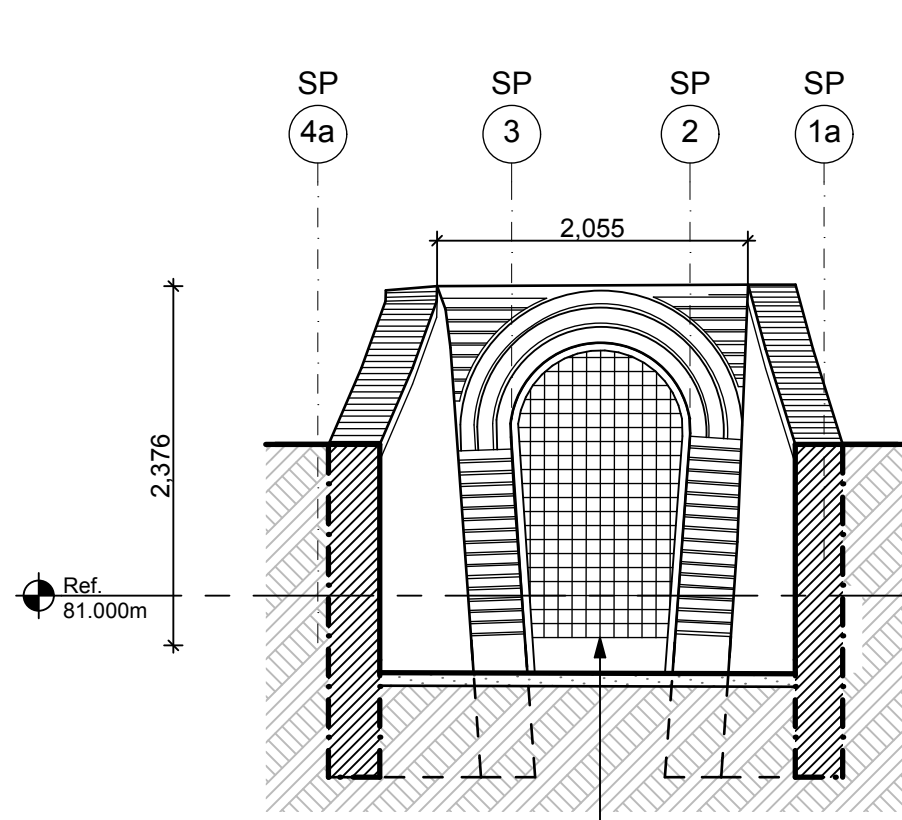
INTERIOR ENTRY WALL ELEVATION

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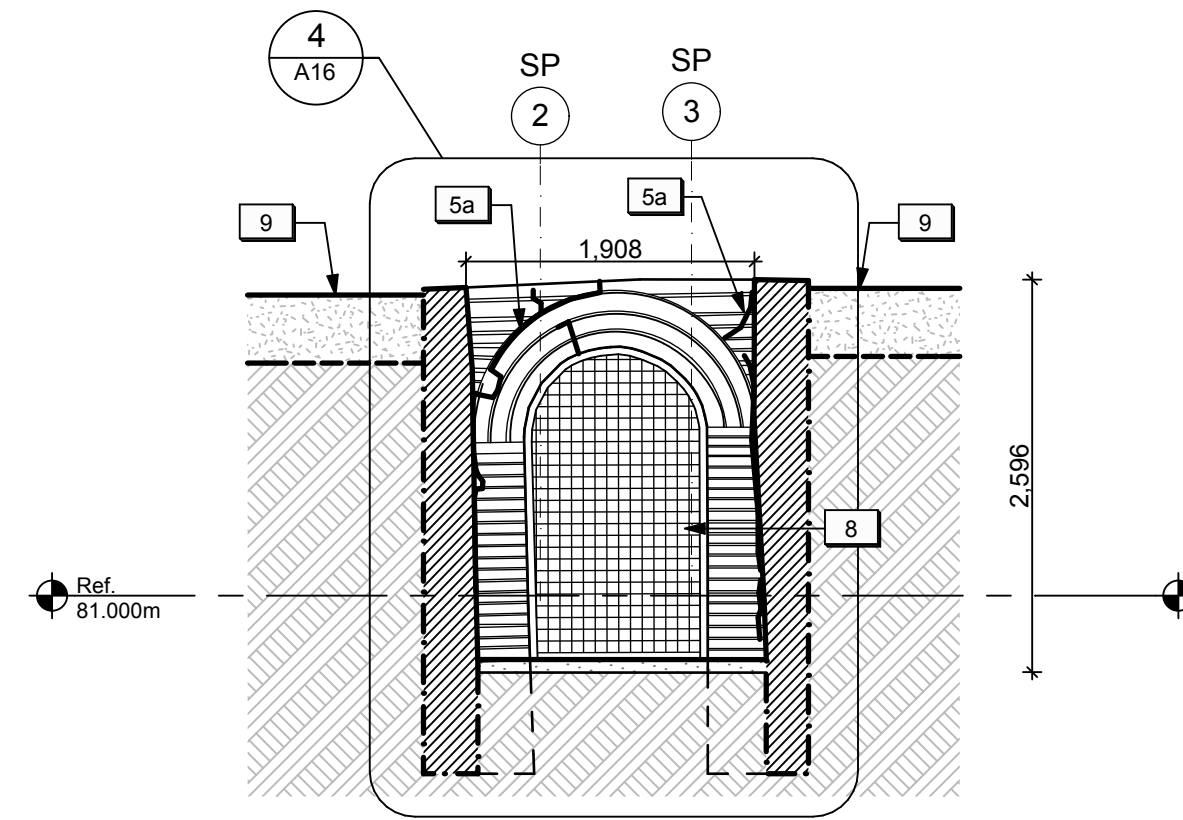
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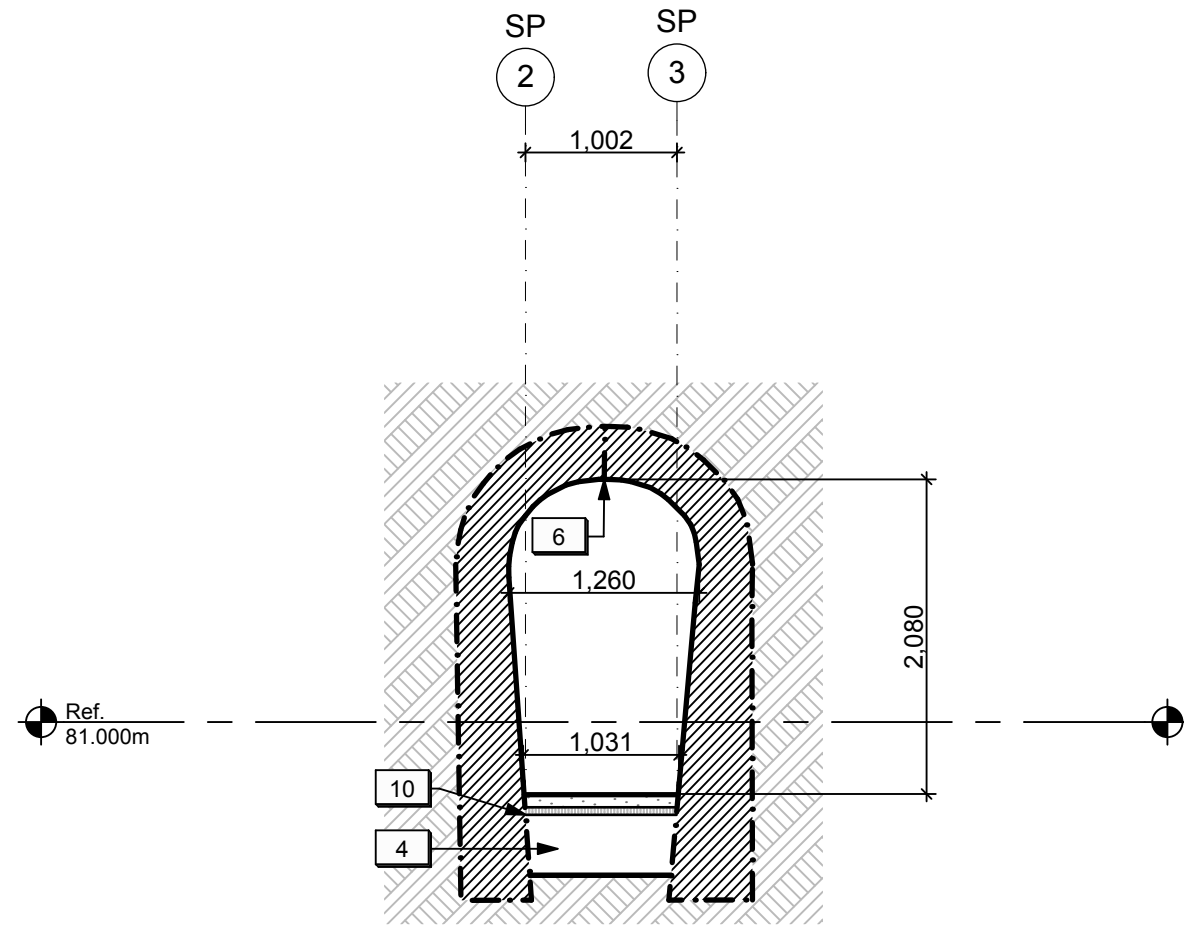
CROSS SECTION THROUGH  
INTERIOR WING WALLS

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A15



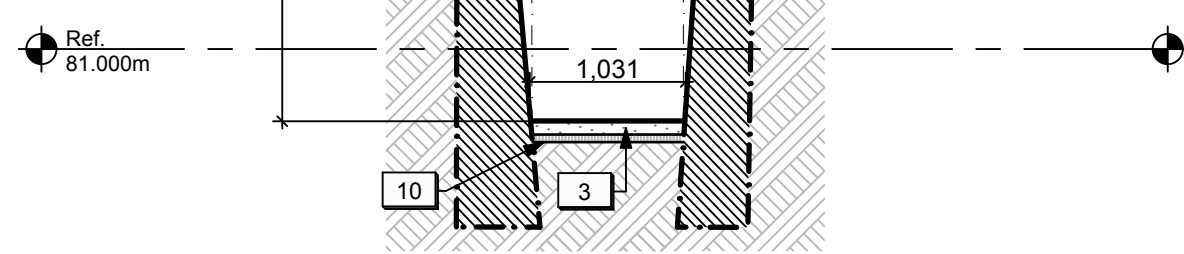
CROSS SECTION THROUGH  
EXTERIOR WING WALLS

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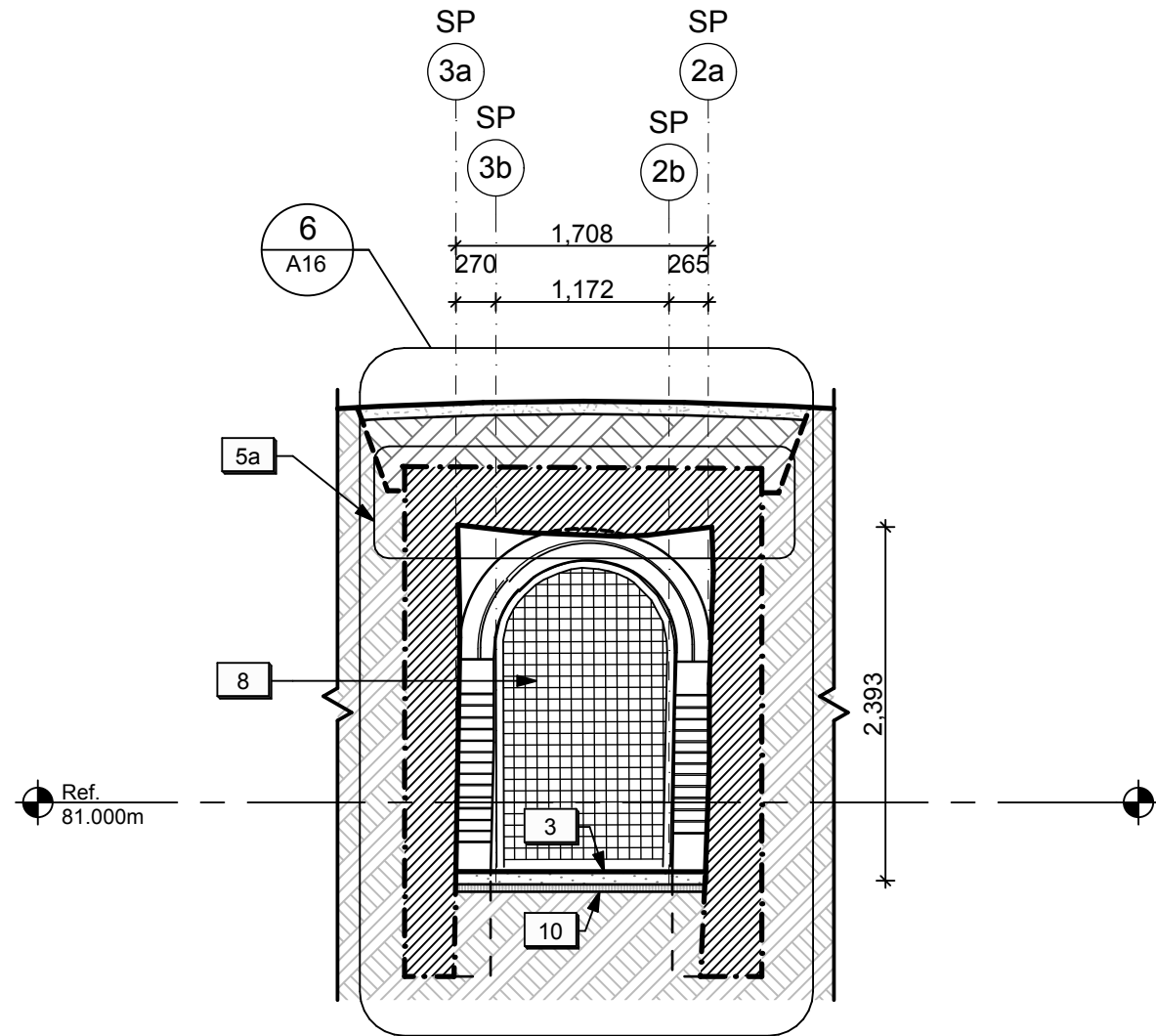
CROSS SECTION THROUGH  
TUNNEL (LOOKING SOUTH)

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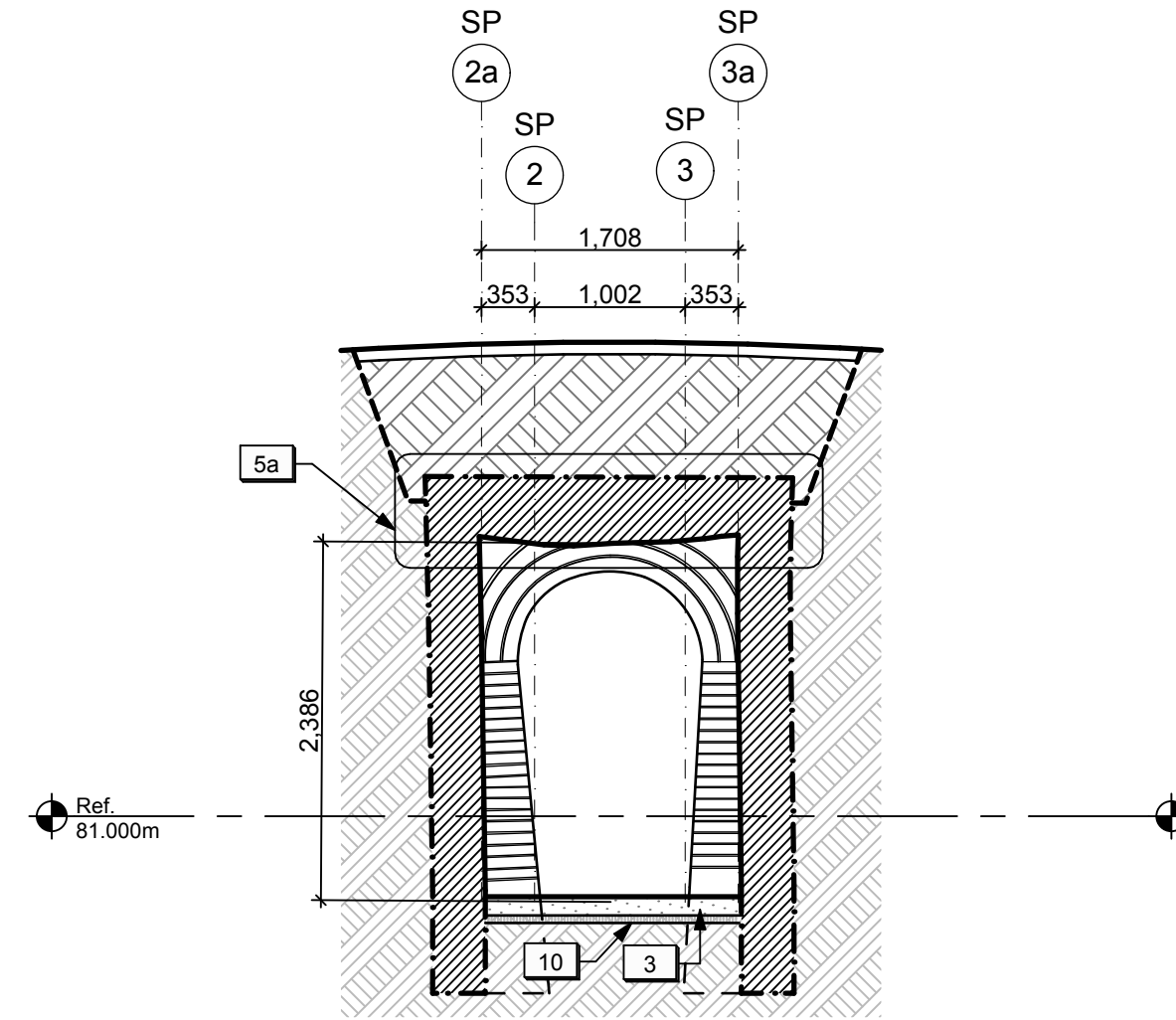
CROSS SECTION THROUGH  
TUNNEL (LOOKING NORTH)

6  
A15



CROSS SECTION THROUGH  
ALCOVE (LOOKING NORTH)

7  
A15



CROSS SECTION THROUGH  
ALCOVE (LOOKING SOUTH)

8  
A15

#### GENERAL NOTES (SALLY PORT)

- General masonry repairs and repointing to be undertaken to various exposed masonry walls / surfaces on the exterior.
- Existing modern graffiti on the exterior and within the underground tunnel and alcove to remain.

#### LEGEND (SALLY PORT):

- Existing sub-grade to remain.
- New topsoil and seed. Refer to Landscape.
- New stone dust surface.
- Existing masonry structure to remain.
- New granular fill.
- Reinstated native fill.
- Existing structural crack. (Approx. location)

#### DRAWING NOTES (SALLY PORT)

- New concrete footing at the end portion of the south exterior wing wall. Refer to Structural.
- New Granular A backfill. Refer to Landscape.
- New stone dust surface. Refer to Landscape.
- New concrete strut beam below grade. Refer to Structural.
- Area of localized masonry structural crack repair (unit price). Refer to Details 2/A4 & 2.1/A4.
- Existing masonry structure in Alcove to be repaired from interior and exterior.
- Existing structural crack to be injected with grout from interior. Refer to Structural.
- Existing drainage holes in exterior wing walls to be clear of debris/free-draining.
- Existing metal gate/frame to be restored and reinstalled. Refer to details.
- Area of new log crib installation. Refer to Landscape.
- New horizontal insulation below grade. Refer to Structural.
- New topsoil and seed. Refer to Landscape.



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625 Cochran Drive, Suite 500, Markham, ON L3R 9R3  
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JOB NO: 60295

Type of Record / Type d'enregistrement

Project title / Titre du projet

## FORT MISSISSAUGA STABILIZATION PHASE II

Drawing title / Titre du dessin

## SALLY PORT SECTIONS & ELEVATIONS 3

Scale / Echelle  
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Drawn by/ Dessine par  
AC/ML Date  
2016-07-12

Field Recording by /  
Releve-Termoin par

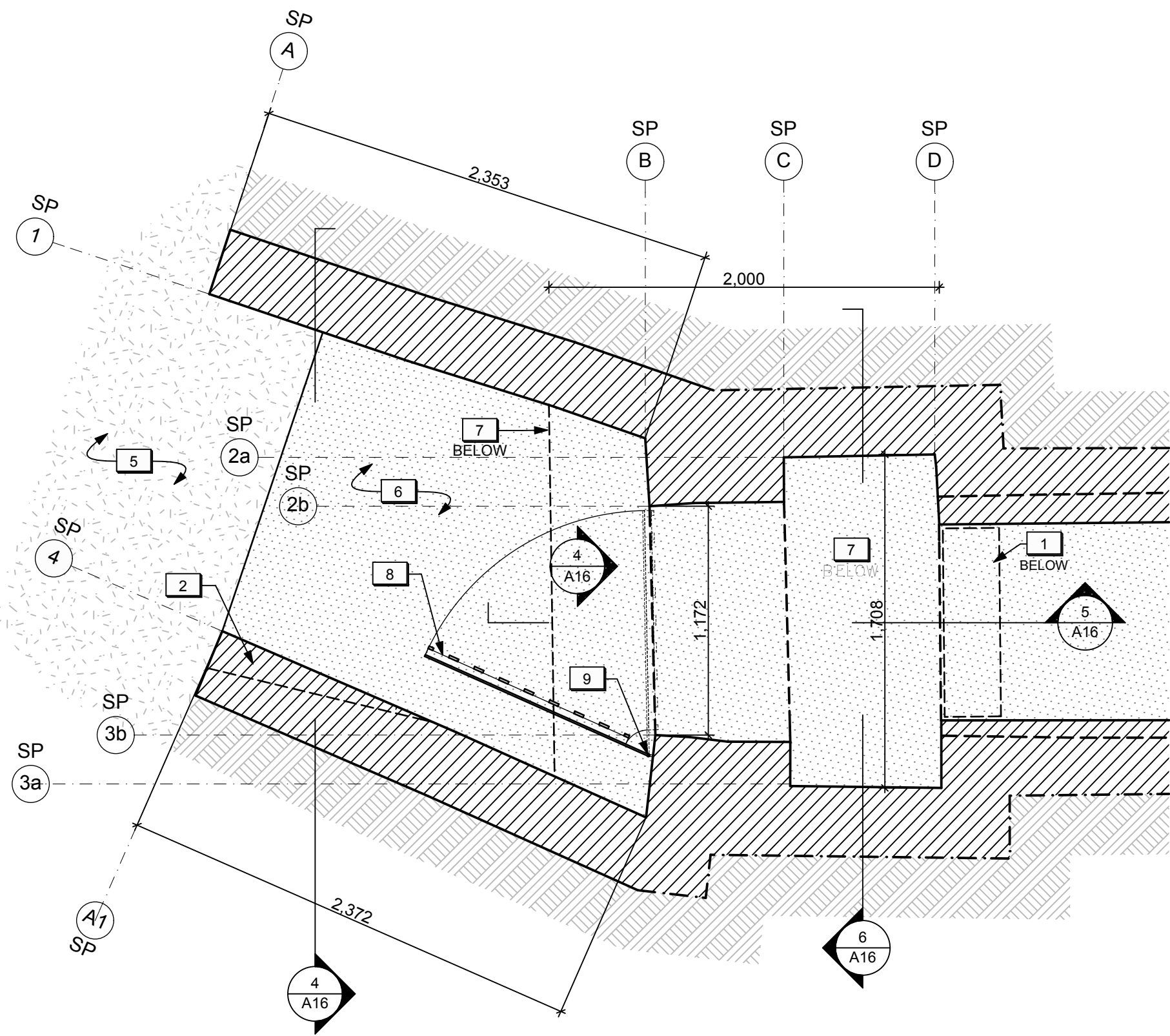
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LM Date  
2016-07-12

Checked by/ Verifie par  
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Project No./ No. du projet  
PRO 000808  
Asset No.  
1300182  
Sheet No./  
Feuille No.  
A15



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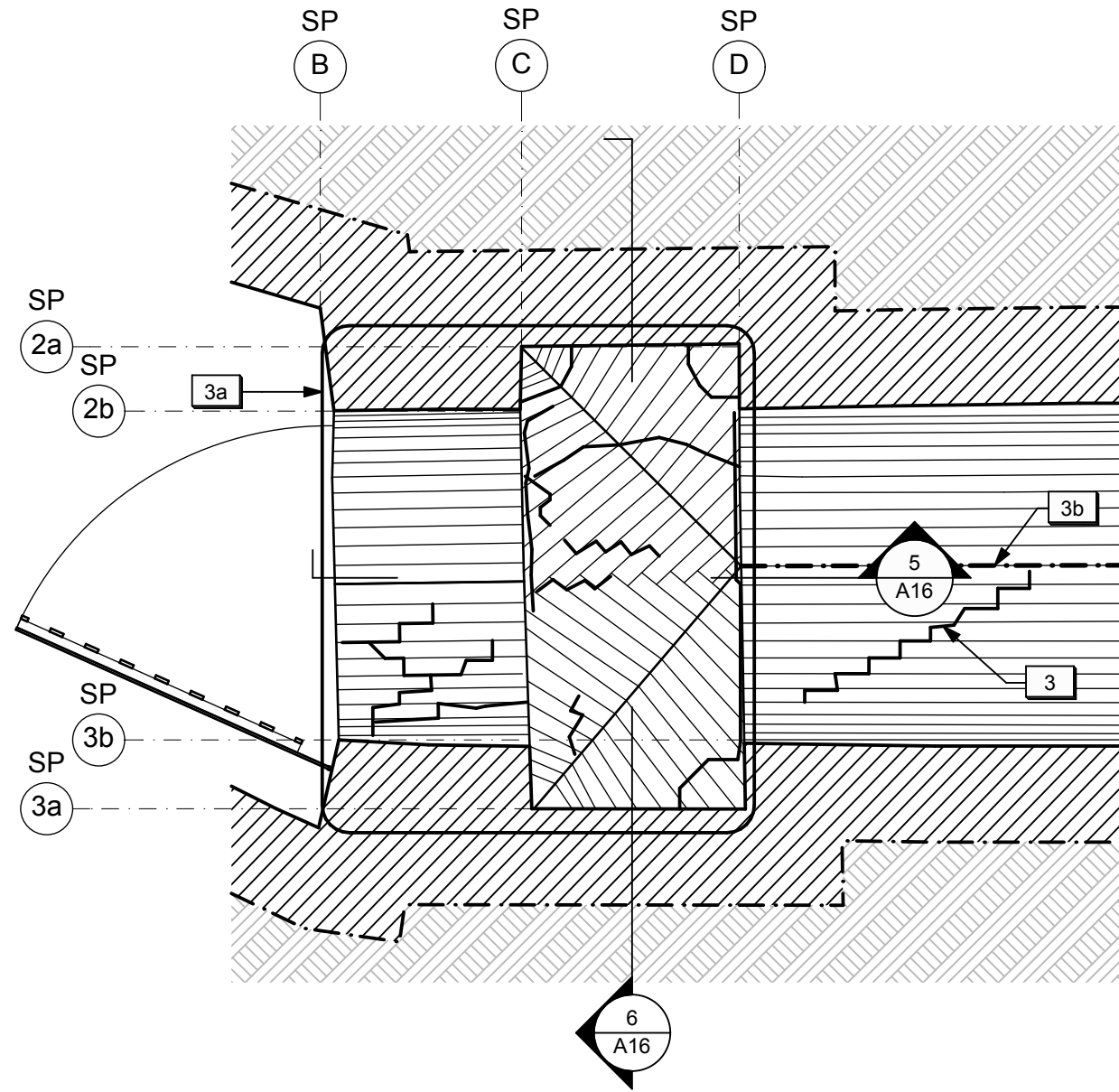


ALCOVE & EXTERIOR WING WALLS PLAN

1:25

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A16

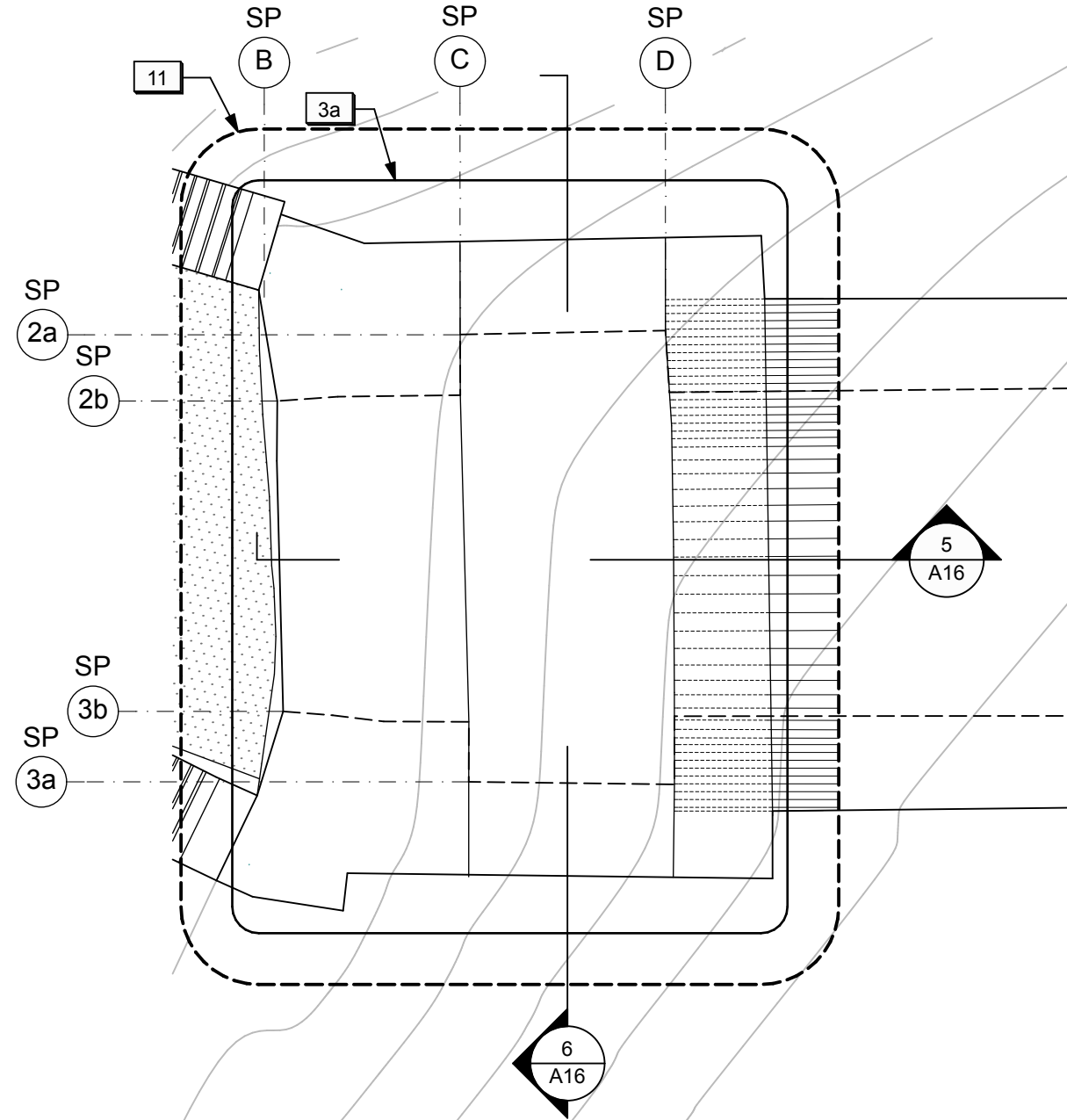


ALCOVE - RCP

1:25

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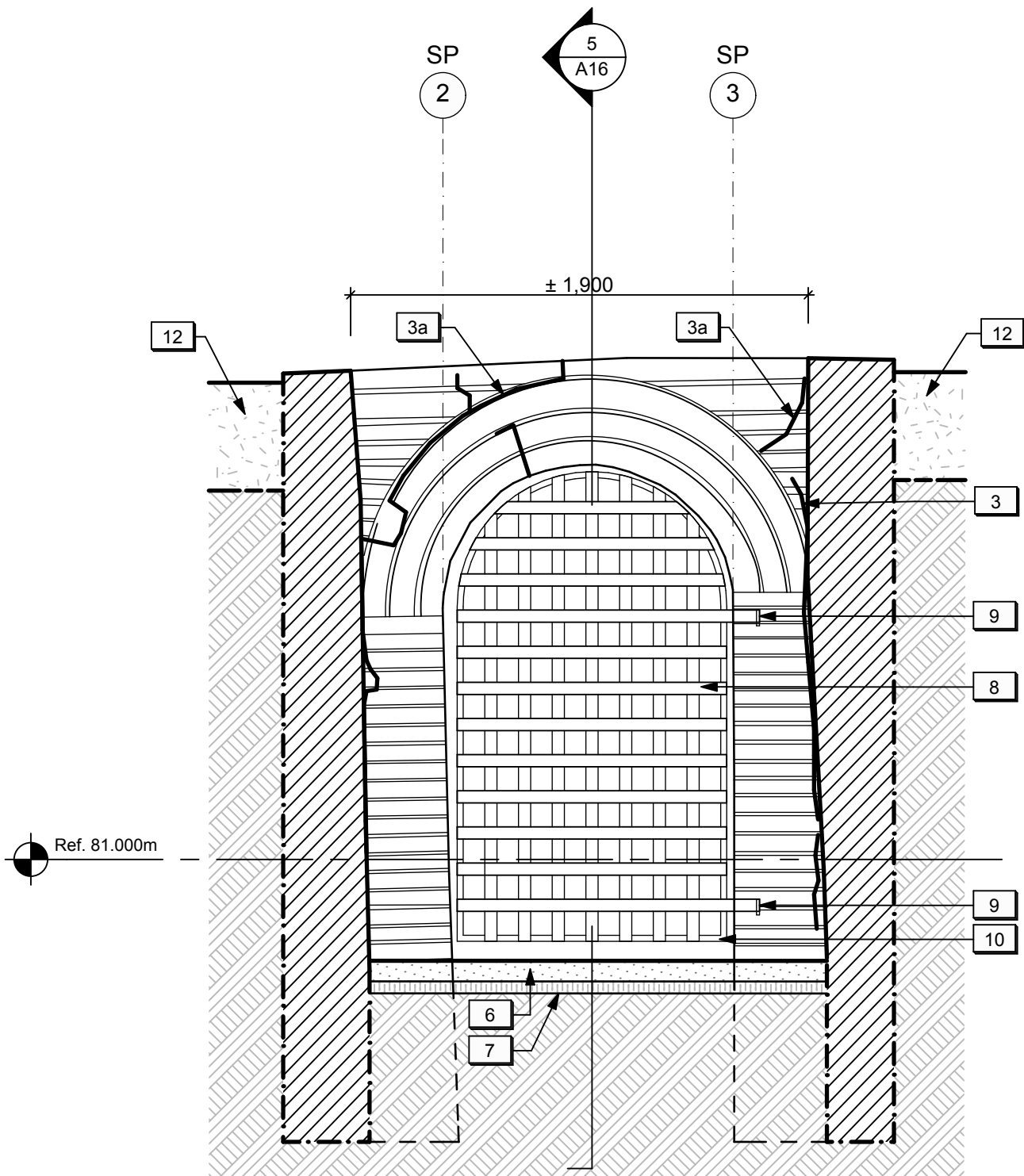


ALCOVE PLAN - TOP VIEW

1:25

3

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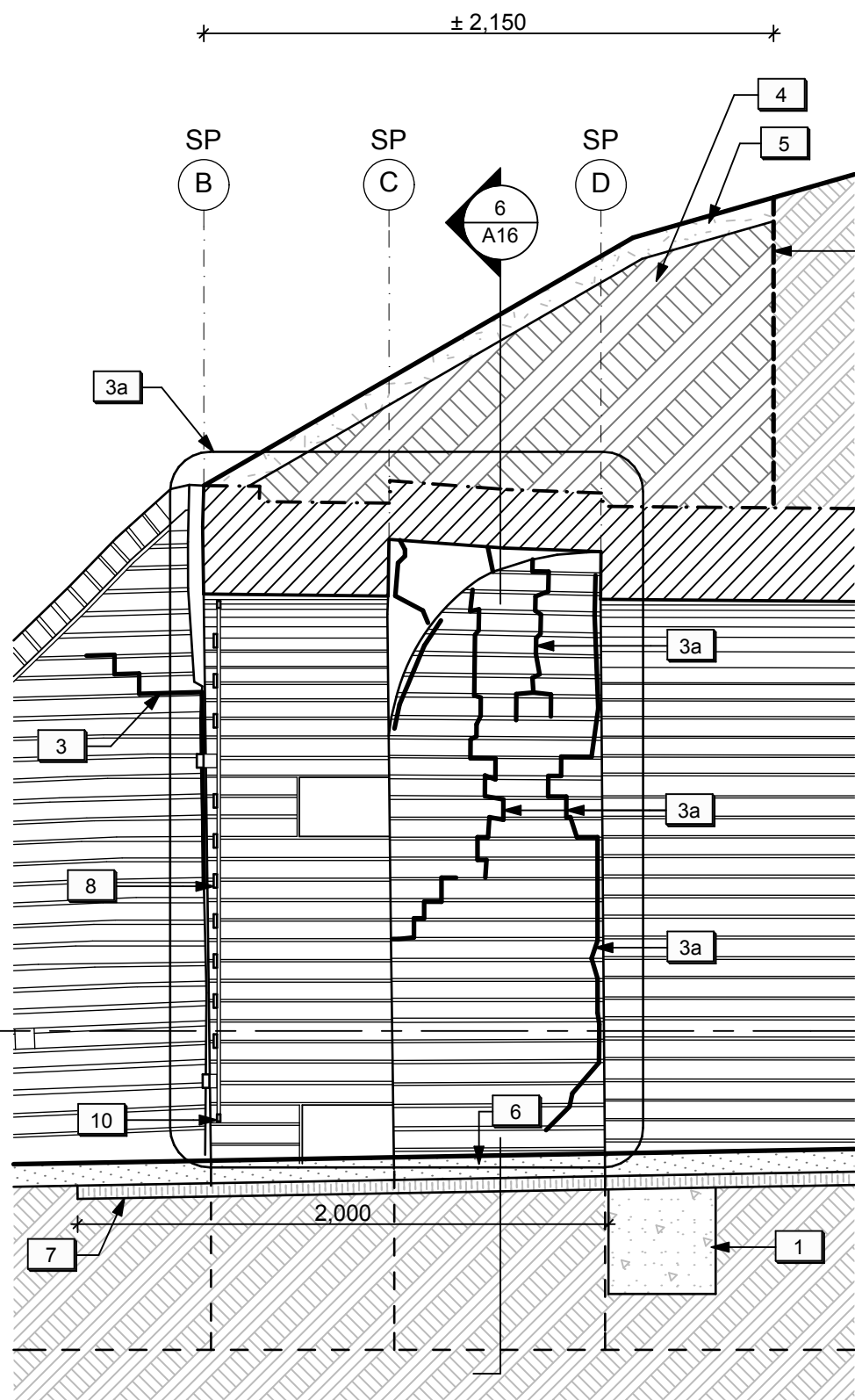


CROSS SECTION THROUGH EXTERIOR WING WALLS

1:25

4

A16

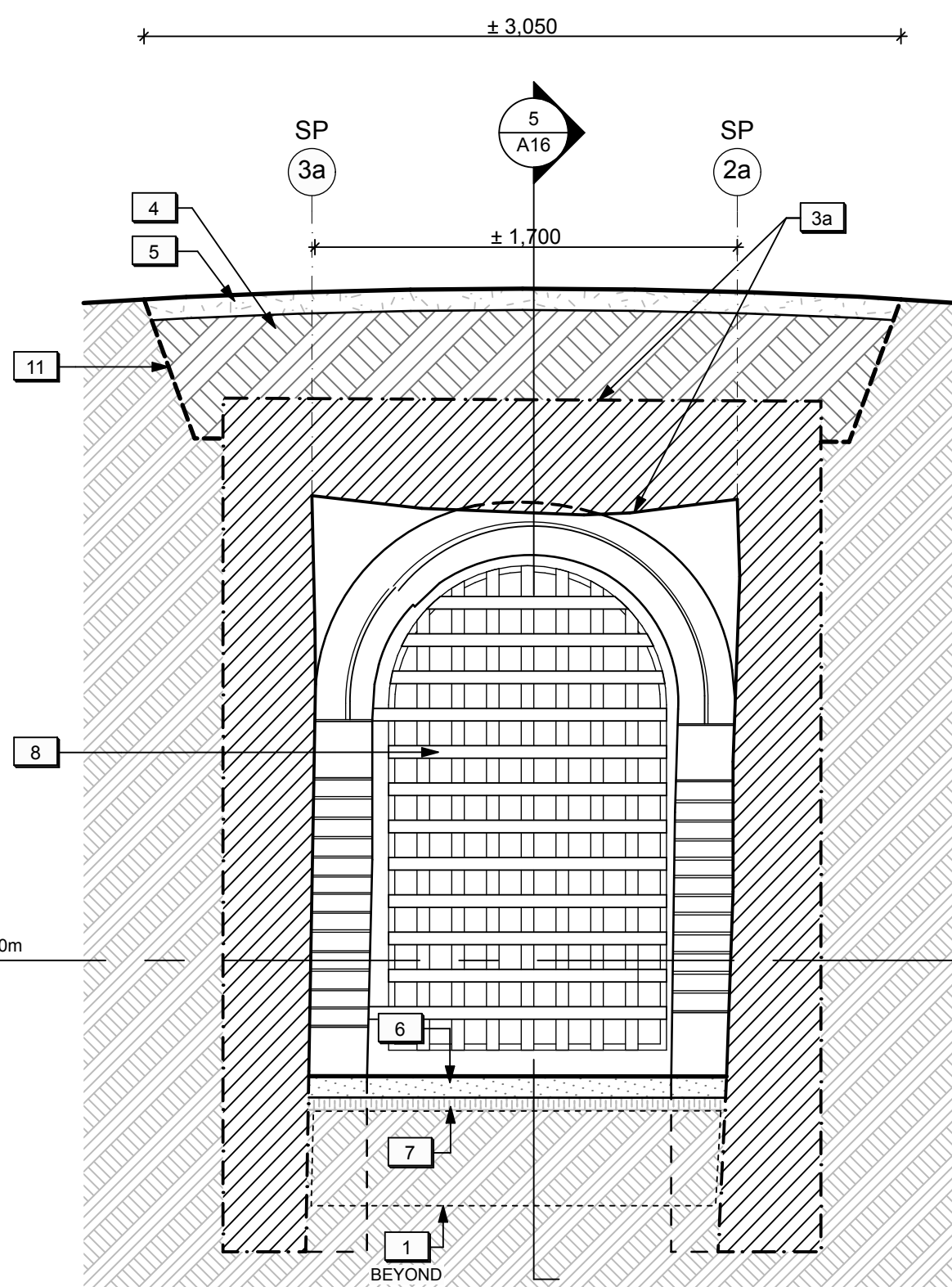


SECTION THROUGH ALCOVE

1:25

5

A16



CROSS SECTION THROUGH ALCOVE

1:25

6

A16

LEGEND (SALLY PORT):

- Existing sub-grade to remain.
- New topsoil and seed.
- New granular fill.
- Reinstated native fill.
- Existing structural crack. (Approx. location)

DRAWING NOTES (SALLY PORT - DETAILS):

- New concrete strut beam below grade. Refer to Structural.
- New concrete footing at the end portion of the south exterior wing wall. Refer to Structural.
- Area of localized masonry structural crack repairs (unit price). Refer to Details 2/A4 & 2.1/A4.
- Existing masonry structure in Alcove to be repaired from interior and exterior.
- Existing structural crack to be injected with grout from interior. Refer to Structural.
- New granular fill. Refer to Landscape.
- New topsoil and seed. Refer to Landscape.
- New stone dust surface. Refer to Landscape.
- New horizontal insulation. Refer to Landscape.
- Existing metal gate to be restored and reinstalled.
- Hinge pins to be surface-mounted on face of existing masonry as required.
- Height of existing metal gate to be modified to accommodate new/revised grade.
- Extent of hand excavation above Alcove structure. Refer to Landscape.
- New log cribs walls. Refer to Landscape.



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Signature \_\_\_\_\_ Date \_\_\_\_\_  
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**PARSONS**  
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**FORT MISSISSAUGA  
STABILIZATION  
PHASE II**

Drawing title / Titre du dessin

**SALLY PORT DETAILS**

Scale / Echelle  
1:25

Drawn by / Dessiné par  
AC/ML  
Date  
2016-07-12

Field Recording by /  
Releve-Temoins par

Approved by / Approuvé par  
LM  
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2016-07-12

Checked by / Vérifié par  
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