

ADDENDUM No. 10

Project Number: R.038348.011

Page 1 of 8

The following changes in the bid documents are effective immediately. This addendum will form part of the contract documents.

SPECIFICATIONS

1 Section 01 74 00 – Cleaning

Add the following section:

1.4.2.5 Proof of thermal destruction meeting foam manufacturer's recommended disposal requirements shall be provided.

2 Add Section 04 05 12 – Masonry Mortar and Grout.

3 Add Section 04 22 00 – Concrete Unit Masonry.

4 Add Section 07 11 00 – Bituminous Damp-proofing.

5 Section 07 81 00 – Applied Fireproofing

.1 Item 3.3.2, delete the following table:

Location	Rating	ULC Rating
Roof Decks	2 hour	ULC BXUVC.F816

.2 Replace table of 3.3.2 with revised table as follows:

Location	Rating	ULC Rating
Roof Decks and Supports	2 hour	ULC BXUVC.F816

6 Section 09 67 23 – Resinous High-Build Epoxy Floor Coating:

.1 Delete the following reference:

1.1.2 – Section 03 35 10 Concrete Floor Finishing. (Note that concrete floor finish is specified in Section 03 30 00 – Cast-in-place Concrete.)

.2 Add the following item:

2.1.2.1: Quartz Silica Sand: 50-80 size grit, type as recommended by manufacturer.

.3 Add the following item:

3.2.5: For area identified to have textured surface:

- .1 Apply primer, 2 layers of epoxy flooring. Upon application of second layer of epoxy, broadcast silica sand to provide textured finish. After 24 hours remove excess sand. Apply topcoat. Follow manufacturer's instructions."

SPECIFICATIONS (CONT'D)

7 Section 09 91 23 – Painting:

Delete the following section:

3.6 – Mechanical / Electrical Equipment

- .1 Paint finished area exposed conduits, piping, hangers, ductwork and other mechanical and electrical equipment with colour and finish to match adjacent surfaces, where indicated.
- .2 Other unfinished areas: leave exposed conduits, piping, hangers, ductwork, and other mechanical and electrical equipment in original finish and touch up scratches and marks.
- .3 Touch up scratches and marks on factory painted finishes and equipment with paint as supplied by manufacturer of equipment.
- .4 Do not paint over nameplates.
- .5 Keep sprinkler heads free of paint.
- .6 Paint fire protection piping.
- .7 Paint disconnect switches for fire alarm system and exit light systems in red enamel.
- .8 Paint natural gas piping.
- .9 Paint both sides and edges of backboards for telephone and electrical equipment before installation. Leave equipment in original finish except for touch-up as required, and paint conduits, mounting accessories and other unfinished items.
- .10 Do not paint interior transformers and substation equipment.

Replace with New Item 3.6 as follows:

3.6 – Painting Schedule

1. Painting of mechanical and electrical conduits, piping, hangers, ductwork, and other mechanical and electrical equipment as per Mechanical and Electrical specifications.
2. Paint all new doors and frames. Assume 1 colour for doors and a second colour for frames.
3. Paint all new gypsum board. Assume a colour for ceilings and another for walls.
4. Paint all existing paintable surfaces affected by work to make good including but not restricted to:
 - a. Concrete columns where metal platforms, stairs removed.
 - b. Existing concrete block where metal platforms, stairs removed.
 - c. Modified steel elements in hangar space.
 - d. Colours to match existing or adjacent surfaces.
5. Do not paint new concrete walls.
6. Paint new concrete block at door infill to match adjacent walls.

SPECIFICATIONS (CONT'D)

8 Section 03 30 00 – Cast-In-Place Concrete

Delete the following section:

2.2 – MIXES

.1 Concrete Mixes.

- .1 Proportion of normal density concrete in accordance with CSA-A23.1, to give the following properties for all concrete exterior to the building.
 - .1 Cement: use Type GU of GUb cement.
 - .2 Minimum compressive strength at 28 days: 35 MPa
 - .3 Nominal size of coarse aggregate: 20mm
 - .4 Air Entrainment 5 to 8%
 - .5 Class of Exposure: C-1
 - .6 Slump at time and point of discharge: 75 mm.
- .2 Proportion of normal density concrete in accordance with CSA-A23.1, to give the following properties for all interior concrete.
 - .1 Cement: use Type GU of GUb cement.
 - .2 Minimum compressive strength at 28 days: 30 MPa
 - .3 Nominal size of coarse aggregate: 20mm
 - .4 Slump at time and point of discharge: 75 mm.
- .3 Use of calcium chloride or admixtures containing calcium chloride, not permitted.

Replace with the following section:

2.2 – MIXES

.1 Concrete Mixes.

- .1 Proportion of normal density concrete in accordance with CSA-A23.1-14, to give the following properties for all concrete exterior to the building and all concrete for the storage tank.
 - .1 Cement: use Type GU of GUb cement.
 - .2 Minimum compressive strength at 28 days: 35 MPa
 - .3 Nominal size of coarse aggregate: 20mm
 - .4 Air Entrainment 5 to 8%
 - .5 Class of Exposure: C-1
 - .6 Slump at time and point of discharge: 75 mm.
- .2 Proportion of normal density concrete in accordance with CSA-A23.1-14, to give the following properties for all perimeter foundation walls.
 - .1 Cement: use Type GU of GUb cement.
 - .2 Minimum compressive strength at 28 days: 25 MPa
 - .3 Nominal size of coarse aggregate: 20mm
 - .4 Class of Exposure: F-2
 - .5 Air Entrainment: 4-7%
 - .6 Slump at time and point of discharge: 75 mm.

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SPECIFICATIONS (CONT'D)

8 Section 03 30 00 – Cast-In-Place Concrete (Suite)

Replace with the following section: (Suite)

2.2 – MIXES (Suite)

.1 Concrete Mixes. (Suite)

- .3 Proportion of normal density concrete in accordance with CSA-A23.1-14, to give the following properties for exterior slab on grade and all exterior non-structural concrete such as curbs and sidewalks.
 - .1 Cement: use Type GU of GUb cement.
 - .2 Minimum compressive strength at 28 days: 32 MPa
 - .3 Nominal size of coarse aggregate: 20mm
 - .4 Class of Exposure: C-2
 - .5 Air Entrainment: 5-8%
 - .6 Slump at time and point of discharge: 75 mm
- .4 Proportion of normal density concrete in accordance with CSA-A23.1-14, to give the following properties for all concrete to be used in hanger slab on grade repairs.
 - .1 Cement: use Type GU of GUb cement.
 - .2 Minimum compressive strength at 28 days: 35 MPa
 - .3 Nominal size of coarse aggregate: 20mm
 - .4 Class of Exposure: N
 - .5 Slump at time and point of discharge: 75 mm.
 - .6 Provide High Early Strength Addmixture
- .5 Proportion of normal density concrete in accordance with CSA-A23.1-14, to give the following properties for all other concrete including footings and interior slab on grade and walls above grade for the horizontal addition
 - .1 Cement: use Type GU of GUb cement.
 - .2 Minimum compressive strength at 28 days: 25 MPa
 - .3 Nominal size of coarse aggregate: 20mm
 - .4 Class of Exposure: N
 - .5 Slump at time and point of discharge: 75 mm
- .6 Use of calcium chloride or admixtures containing calcium chloride, not permitted.

9 Section 10 44 00 – Fire Protection Specialties

Delete the following section:

2.1 – Multi-Purpose Dry Chemical Extinguishers:

- .1 Stored pressure rechargeable type with hose and shut-off nozzle, ULC labelled for A, B and C class protection.
 - .1 Size: 23 kg (50 lbs.)
 - .2 Brass hose fittings
 - .3 Live swivel on discharge valve
 - .4 Brass valve chrome plated
 - .5 Heavy duty steel cylinder
 - .6 Rubber wheeled free-standing carriage and hose rack
 - .7 CAN/ULC Bilingual (English/French)
 - .8 Large instruction Pictogram
 - .9 Identified CAN/ULC-S508 rated

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SPECIFICATIONS (CONT'D)

9 Section 10 44 00 – Fire Protection Specialties (Suite)

Replace with:

2.1 – CO₂ Fire Extinguishers:

- .1 CO₂ Stored pressure rechargeable type with hose and shut-off nozzle, ULC labelled for BC.
 - .1 Size: 23 kg (50 lbs)
 - .2 Brass hose fittings
 - .3 Live swivel on discharge valve
 - .4 Brass valve chrome plated
 - .5 Heavy duty steel cylinder
 - .6 Rubber wheeled free-standing carriage and hose rack
 - .7 CAN/ULC Bilingual (English/French)
 - .8 Large instruction Pictogram
 - .9 Identified CAN/ULC-10BC rated

10 Section 21 13 00.01 – Aircraft Hanger High-Expansion Foam Fire-Suppression Systems

Delete the following section:

2.5 – High-Expansion Foam System Bladder Tanks:

- .1 Per NFPA (Fire) 409 Main and Reserve bladder tanks shall be required. Tanks shall be a horizontal cylindrical steel ASME coded pressure rated vessel with a UL approved bladder shaped to conform to the inner pressure vessel configuration. Tanks shall be designed for a working pressure of 12.1 bar and hydrostatically tested to at least 17.6 bar. The tanks interior shall be coated with a high build epoxy sealer for additional corrosion resistance. The bladder tanks shall be UL listed or FM approved together with the type of concentrate and proportioners being used in the system. The Bladder tanks is to have a minimum 3,407 L capacity to provide sufficient foam concentrate for the time specified when the system is discharging foam solution at total discharge flow. The bladder tank shall be complete with all necessary outlets and supports such as two welded saddles for horizontal bladder tanks or four welded legs for vertical bladder tanks. Associated trim on the bladder tank shall include bronze pipe and fittings, four bronze ball valves, minimum of 25mm, for concentrate and water vents and drains with secured nameplate depicting the valve name and operating position, and a clear PVC sight gauge. The bladder tanks, proportioners and foam concentrate shall be the product of a single manufacturer.

SPECIFICATIONS (CONT'D)

10 Section 21 13 00.01 – Aircraft Hanger High-Expansion Foam Fire-Suppression Systems (Suite)

Replace with:

2.5– High-Expansion Foam System Bladder Tanks:

- .1 Per NFPA (Fire) 409 Main and Reserve bladder tanks shall be required. Tanks shall be a horizontal cylindrical steel ASME coded pressure rated vessel with a UL approved bladder shaped to conform to the inner pressure vessel configuration. Tanks shall be designed for a working pressure of 12.1 bar and hydrostatically tested to at least 17.6 bar. The tanks interior shall be coated with a high build epoxy sealer for additional corrosion resistance. The bladder tanks shall be UL listed or FM approved together with the type of concentrate and proportioners being used in the system. Refer to schedule for tank sizes. The bladder tank shall be complete with all necessary outlets and supports such as two welded saddles for horizontal bladder tanks or four welded legs for vertical bladder tanks. Associated trim on the bladder tank shall include bronze pipe and fittings, four bronze ball valves, minimum of 25mm, for concentrate and water vents and drains with secured nameplate depicting the valve name and operating position, and a clear PVC sight gauge. The bladder tanks, proportioners and foam concentrate shall be the product of a single manufacturer.

11 Section 21 13 13 – Wet Pipe Sprinkler Systems

- .1 Delete the following items:

3.6.8.1.2

Provide valves and operating accessories with 1 coat of red alkyd gloss enamel applied to minimum dry film thickness of 1.0 mil.

3.6.8.2.1

Provide primed surfaces with one coat of red alkyd gloss enamel applied to minimum dry film thickness of 1.0 mil in pipe chases, mechanical equipment room, and spaces where walls or ceiling are not painted or not constructed of a prefinished material.

- .2 Replace with:

3.6.8.1.2

Provide valves and operating accessories with 1 coat of **black** alkyd gloss enamel applied to minimum dry film thickness of 1.0 mil.

3.6.8.2.1

Provide primed surfaces with one coat of **black** alkyd gloss enamel applied to minimum dry film thickness of 1.0 mil in pipe chases, mechanical equipment room, and spaces where walls or ceiling are not painted or not constructed of a prefinished material.

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SPECIFICATIONS (CONT'D)

12 Section 22 13 16.13 – Sanitary Waste and Vent Piping

- .1 Add the following section:
 - 3.1.2: All below slab sanitary piping and pumped sanitary piping, with the exception of concrete effluent piping, shall be schedule 40 cast iron pipe.

DRAWINGS

1 Reference Attached Sketch ADD-M1-SK1

- 1. Provide exterior fuel oil fill platform at new fill station outside of main fire pump room. Refer to attached sketch ADD-M1-SK1 for details.

2 Reference Attached Drawing S102

- 1. Section A-A/S102 has been revised, refer to the clouded areas on S102 for more information.
- 2. The reinforcing labels for the indicated rebars have been revised to B1.
- 3. The indicated rebars should be dimensionless, and they are spaced at 500 o/c with 600mm lap each end.
- 4. Bars are to alternate length @ 250 o/c, effective spacing of 250 o/c.
- 5. Section A-A/S102 has been revised.

3 Reference Attached Drawing S103

- 1. The concrete Strength for footings / walls has been added to drawing S103.

4 Reference Attached Drawing S301

- 1. A new plan detail and section have been added to drawing S301.

5 Reference Attached Drawing A-001:

- .1 Add third item to Drawing Legend for epoxy floor, textured area as shown.
- .2 Add hatch to area in south-west quadrant of hangar for textured area as shown.

6 Reference Attached Drawing A-004:

- .1 Delete Note 2 Reference Marker on plan where shown at door sills. Note 1 & Note 2 only to be referenced to shaded areas bounded by dashed lines for cutting slab to install drains or drain pipes.

7 Reference Attached Drawing A-009:

- .1 Revise General Note #1 on drawings to read: "Coordinate work on this drawing with Structural and Mechanical Drawings".

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DRAWINGS (CONT'D)

8 Reference Attached Drawing A-011:

- .1 Partial Building Section 2/A.011: Add spray fireproofing to underside of roof structure, covering steel as shown.
- .2 Section Detail 6/A.011: Add spray fireproofing to underside of roof structure, covering steel as shown.

9 Reference Attached Drawing A-011A:

- .1 Revise Roof Type R1 to add applied spray fireproofing.
- .2 Section Details 3 to 5/A.001A: Add spray fireproofing to underside of roof structure, covering steel as shown.

10 Reference Attached Drawing A-12:

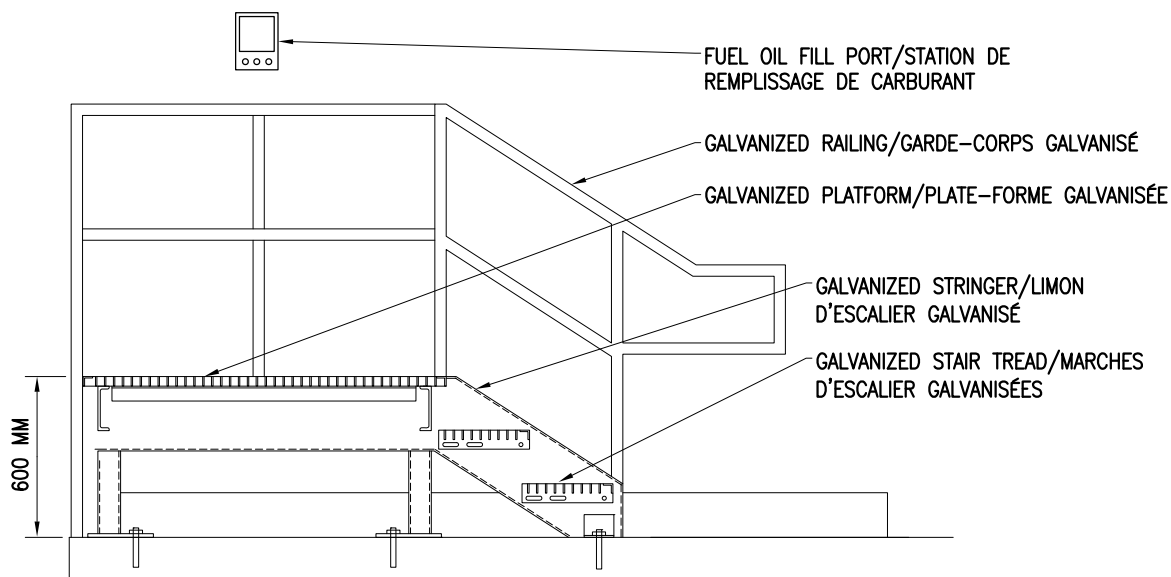
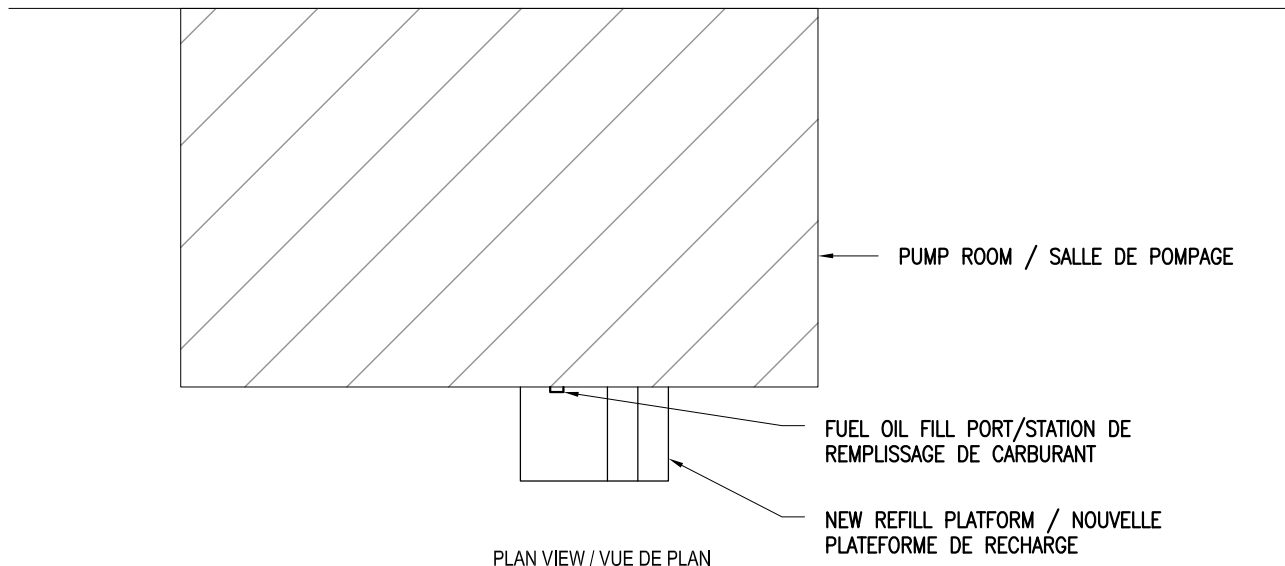
- .1 Detail 7/A.012:
 - i. Dampproof membrane to stop at bottom of footing. Delete part of dampproof membrane under footing and slab.

11 Reference Attached Drawing A-14:


- .1 Delete Reference to Note 8 and Note 8 from drawing. Ceiling is not concrete, has applied fireproofing to steel deck and structure, and does not require painting.

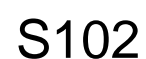
Enclosures: Sketch ADD-M1-SK1 and Drawings S102, S103, S301, A-001, A-004, A-009, A-011, A-011A, A-12, A-13, and A-14.

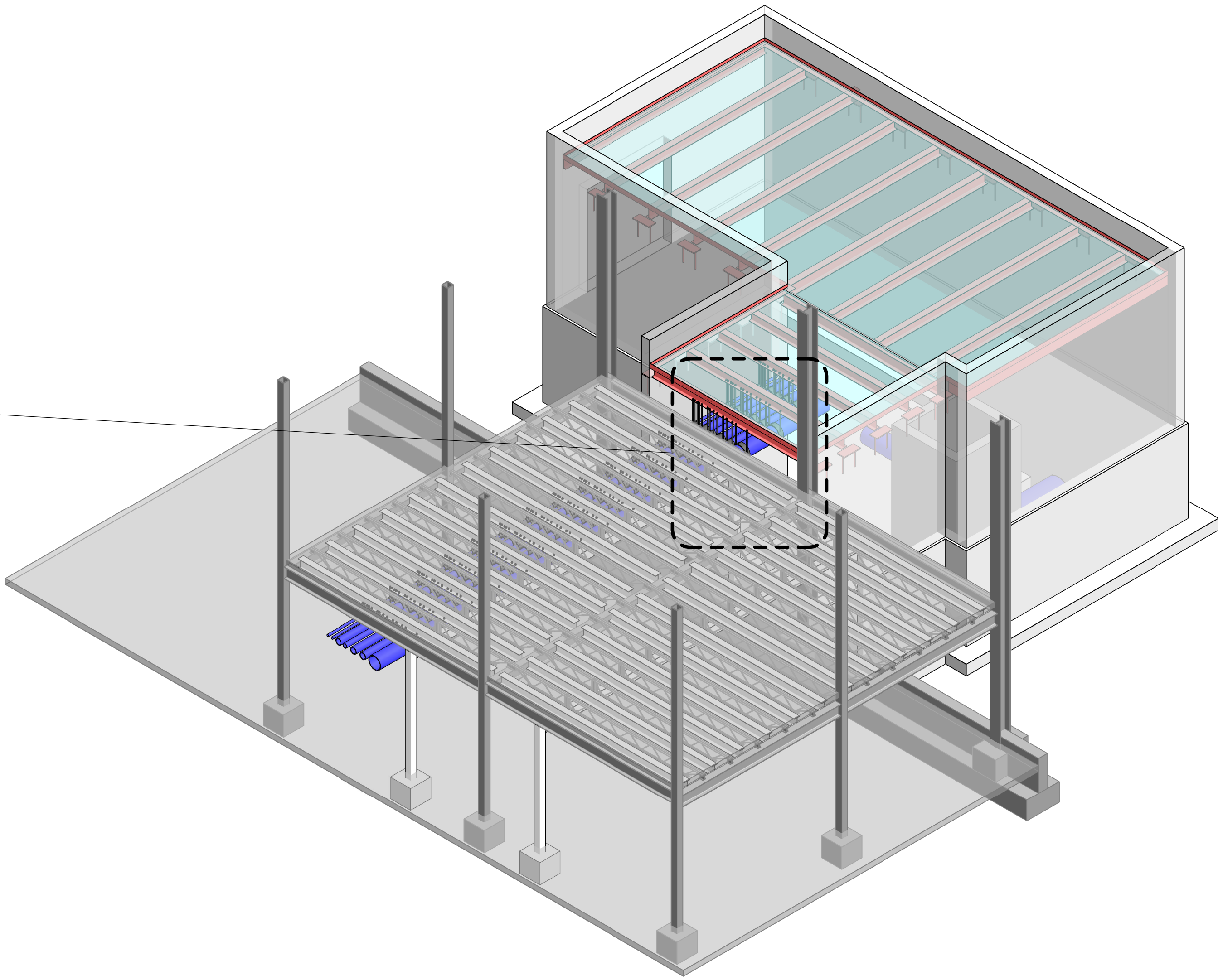
END OF ADDENDUM No. 10

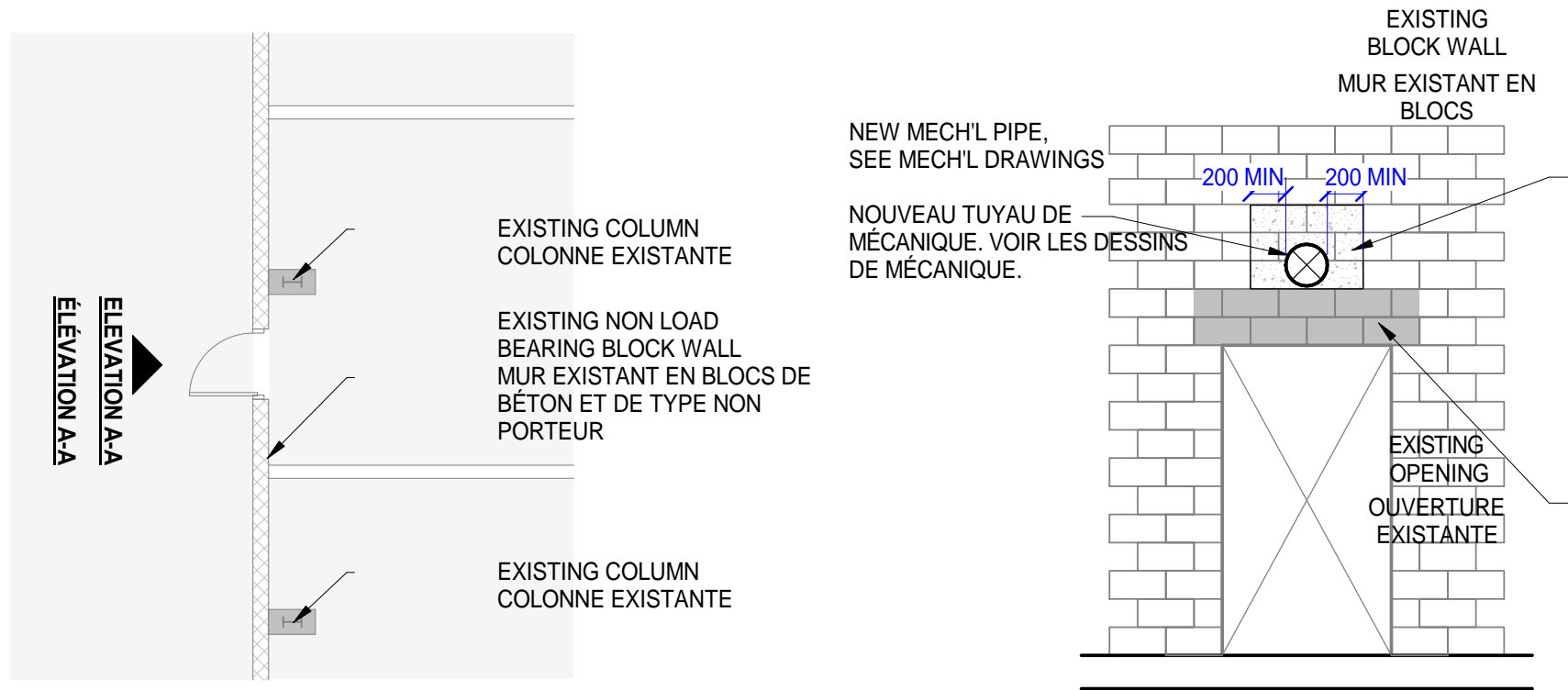
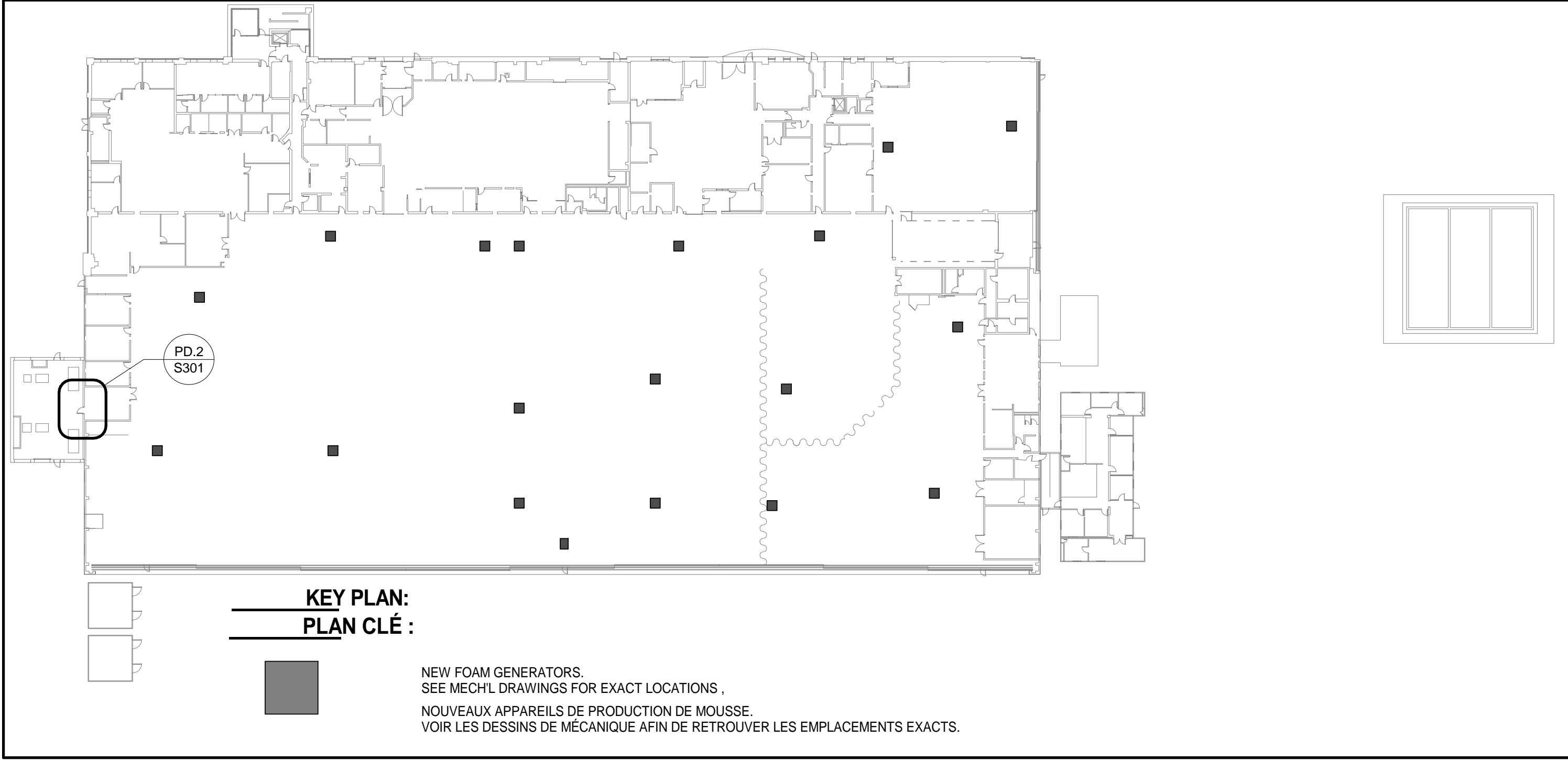


2 NEW REFILL PLATFORM / NOUVELLE PLATEFORME DE RECHARGE
ADD-M1-SK1 N.T.S.

 Public Works and Government Services Canada	Travaux publics et Services gouvernementaux Canada	designed by: MP/RL conçu par:	date:
		drawn by: MP/LS dessiné par:	
HANGAR T-58 - 200 COMET PRIVATE, OTTAWA, ON. FIRE SUPPRESSION SYSTEM / SYSTÈME DE SUPPRESSION D'INCENDIE	Drawing title: Titre du dessin: NEW REFILL PLATFORM / NOUVELLE PLATEFORME DE RECHARGE	approved by: RL approuvé par:	
	scale: N.T.S. échelle:	project no.: no. du projet: 2016-622	
	date: 2021-MAR-10 revisions:	dwg no.: dessin no.: ADD-M1-SK1	

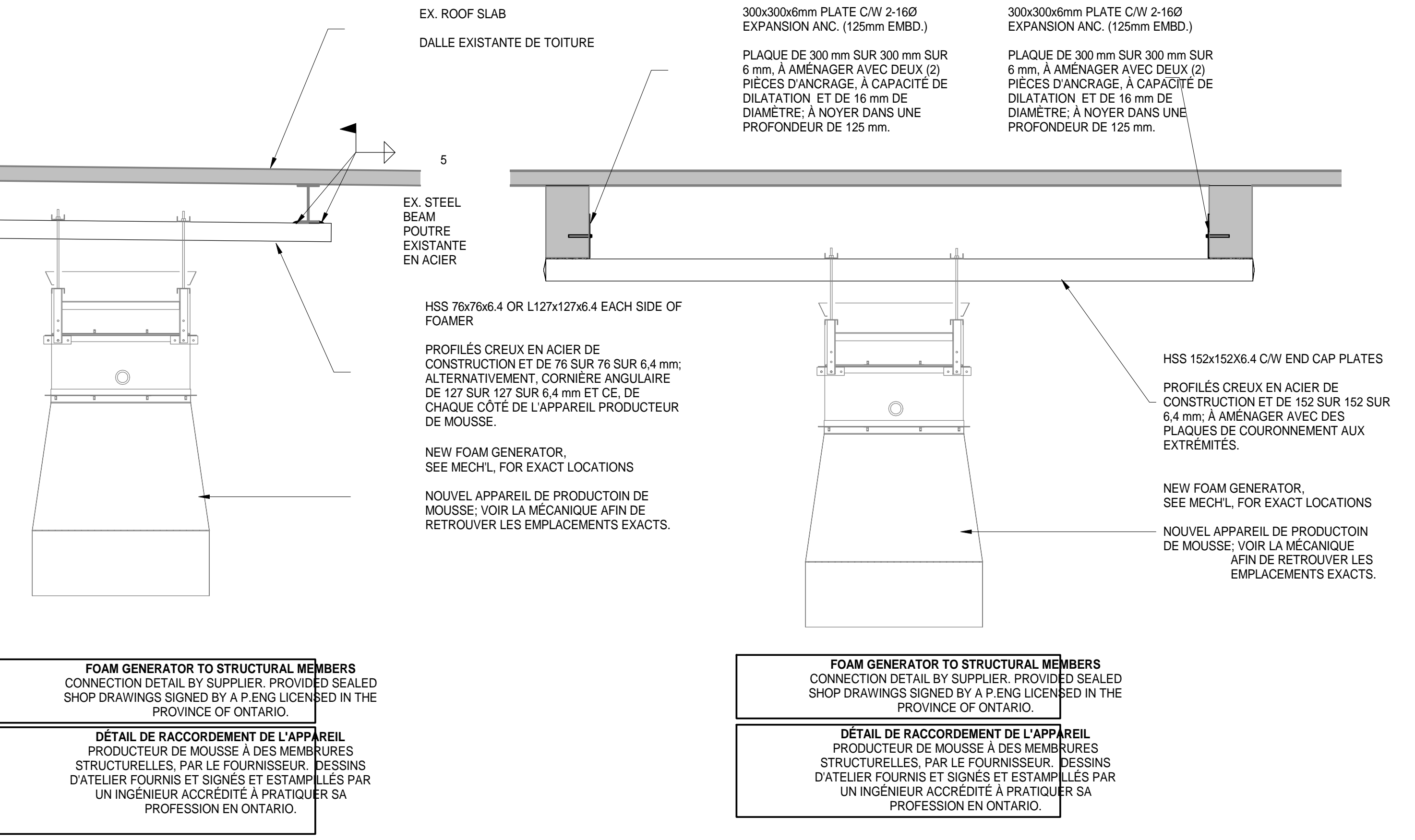
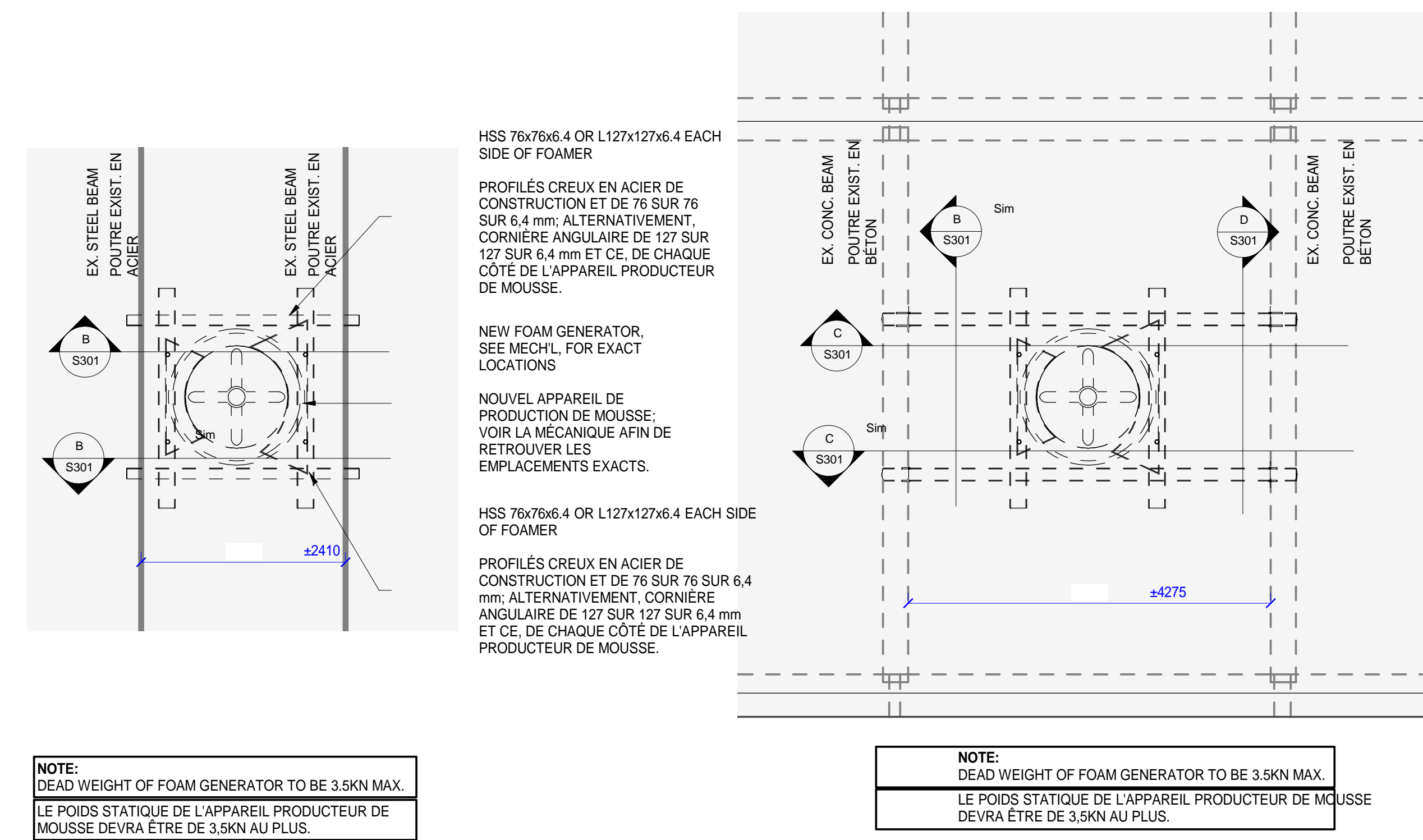
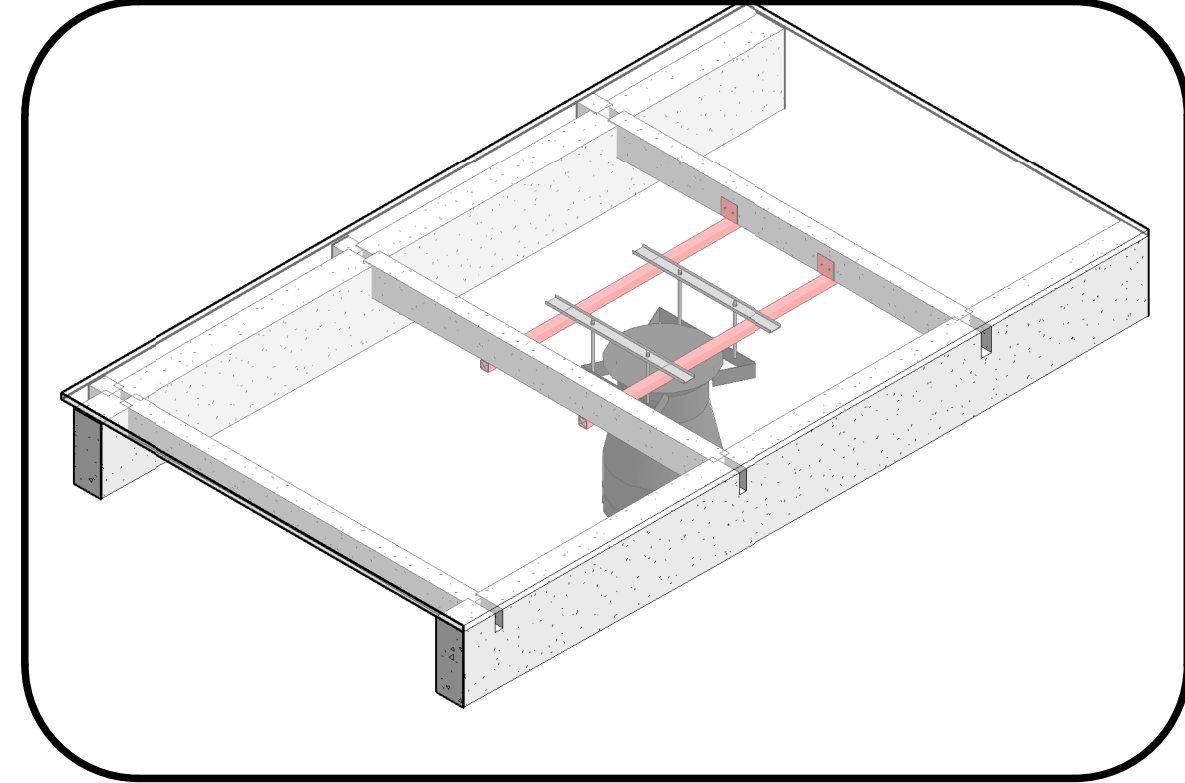
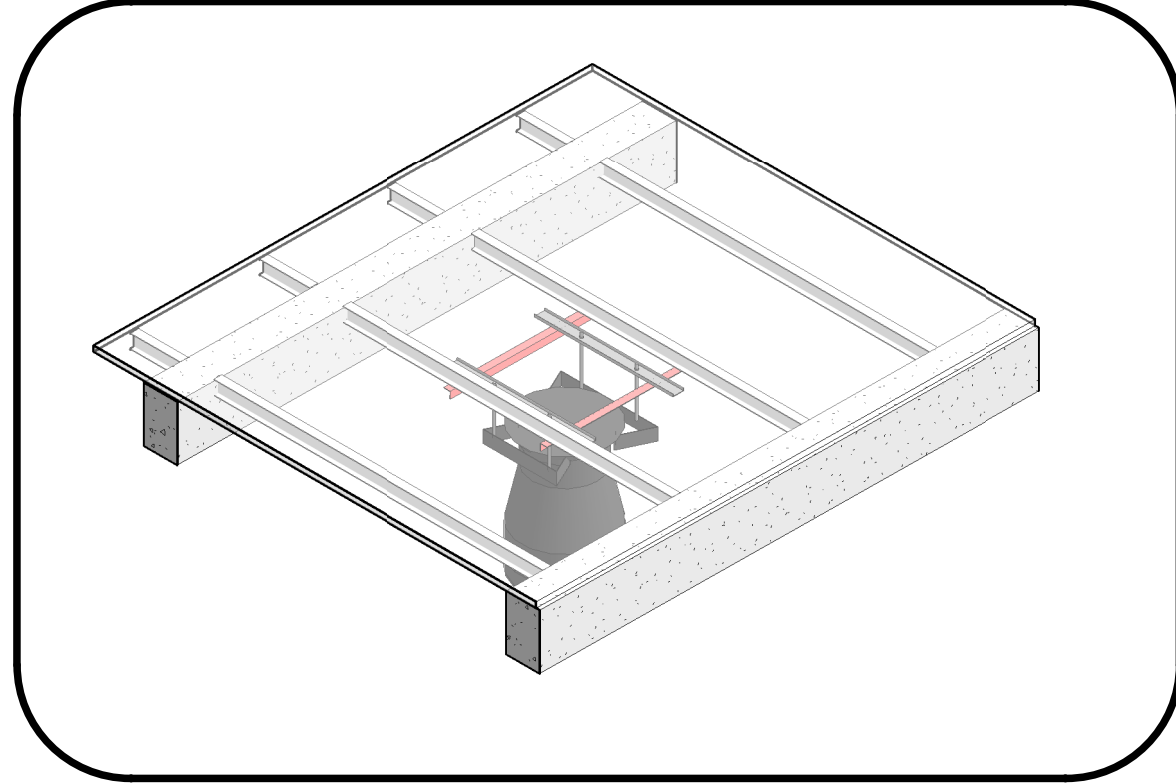
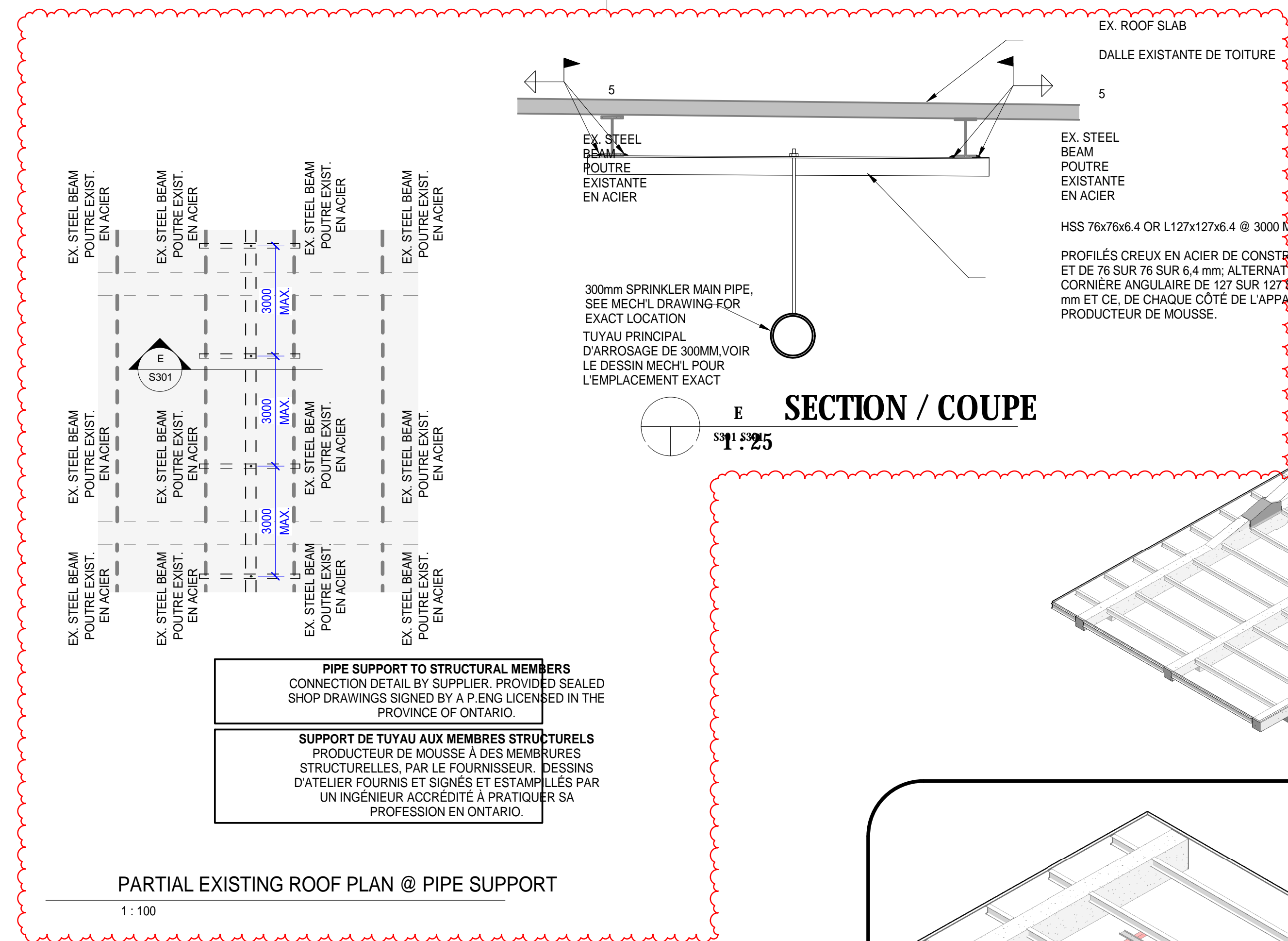




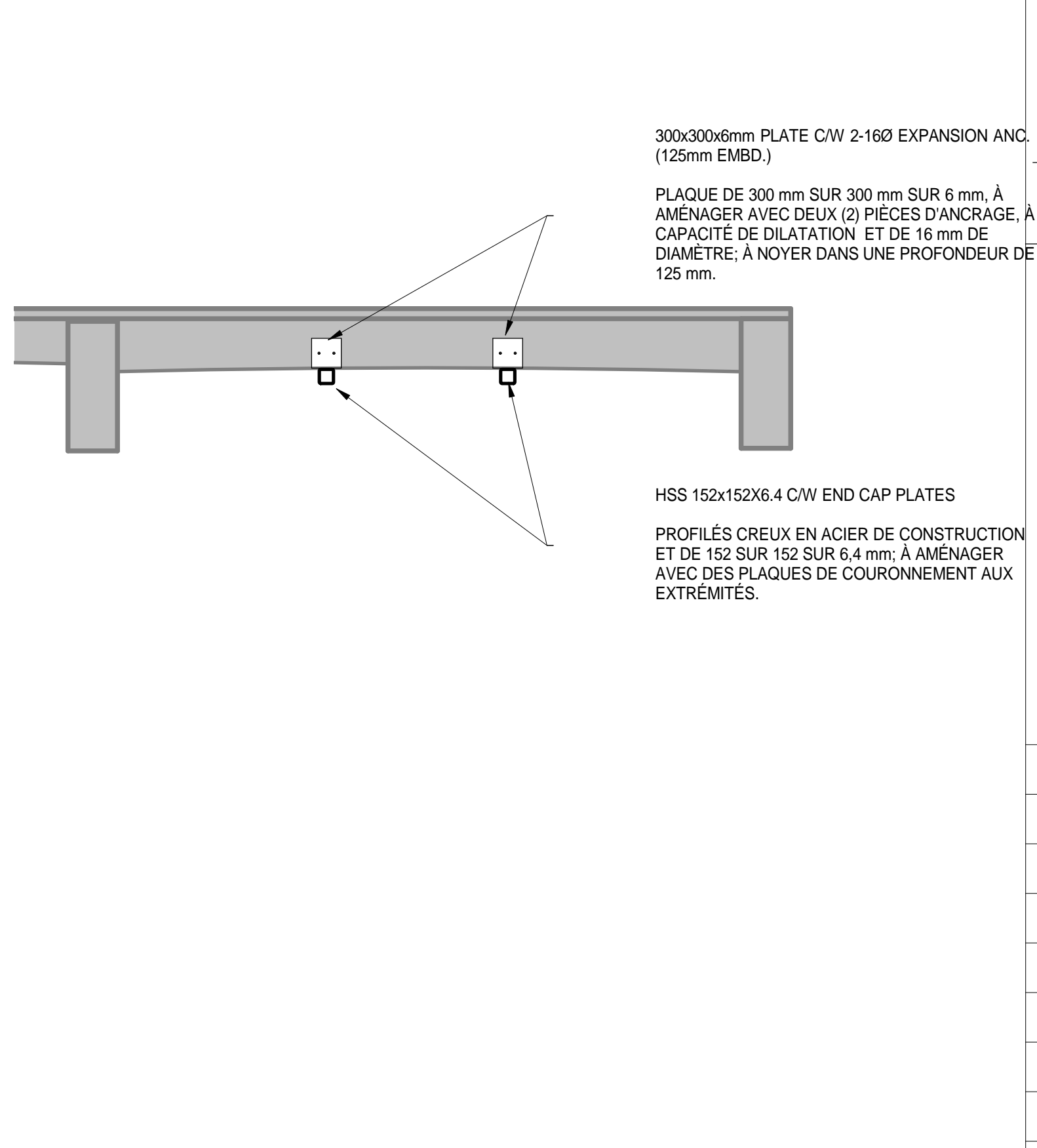


PD.2
S301 S301
1:100
PLAN DETAIL / DÉTAIL EN PLAN

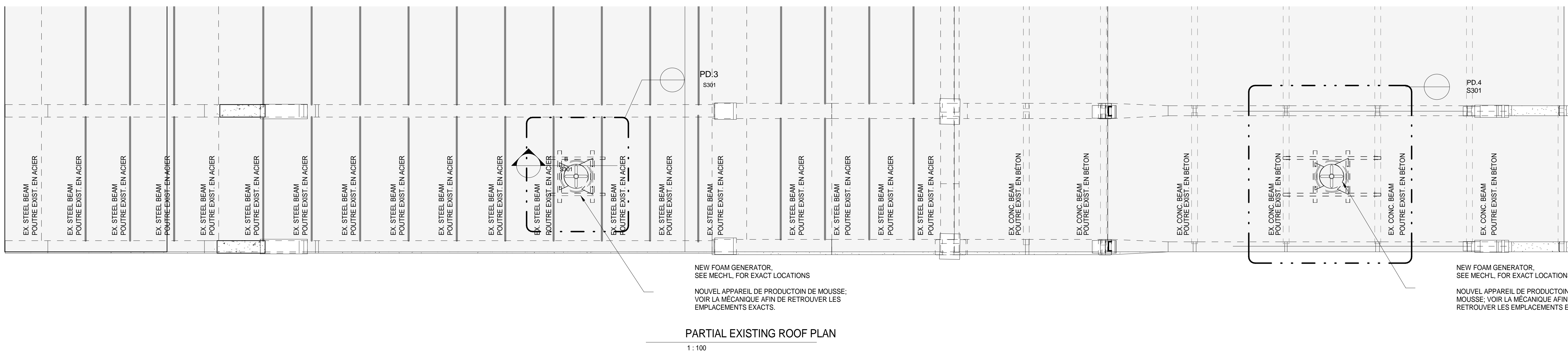
ELEVATION A-A
ÉLEVATION A-A



S301 S301
1:25
SECTION / COUPE



S301 S301
1:50
SECTION / COUPE



PARTIAL EXISTING ROOF PLAN
1:100

Public Services and Procurement Canada Services publics et Approvisionnement Canada

KEY PLAN
PLAN CLÉ

ISSUED FOR ADDENDUM 3 MAR. 20th / 2021

ISSUED FOR TENDER JAN 22nd / 2021

ISSUED FOR 100% REVIEW DOCUMENT A 100%. À RÉVISER. JUN 5th / 2020

ISSUED FOR 99% REVIEW DOCUMENT A 99%. À RÉVISER. APR 30 / 2020

ISSUED FOR 60% REVIEW DOCUMENT A 60%. À RÉVISER. FEB 14 / 2020

revision / révision

date

A detail no. no. du détail
B location drawing no. no. de localisation
C drawing no. no. du dessin

project

PWGSC#R.038348.001 HANGAR
N° DE PROJET DU HANGAR T-58 DE TPSCG : R.038348.001
200 COMET PRIVATE, OTTAWA, ONT.
FIRE SUPPRESSION SYSTEM
SYSTÈME DE SUPPRESSION D'INCENDIE

designed J. CUFF
2021-01-19

drawn A.M.
2021-01-19

revised

date

approved

date

tender KAILIE LUINN
PWC Project Manager

project no. R.038348.011

drawing no. S301

conçu
dessins
révisé
approuvé
soumission
Administrateur de projets TPC
no. du projet
no. du dessin

13 14 15 16 17 18 19 20 21 22 23 24

13X 14X 14Y 15X 17X 17Y 18X 20X 21X 22X 4480 5200

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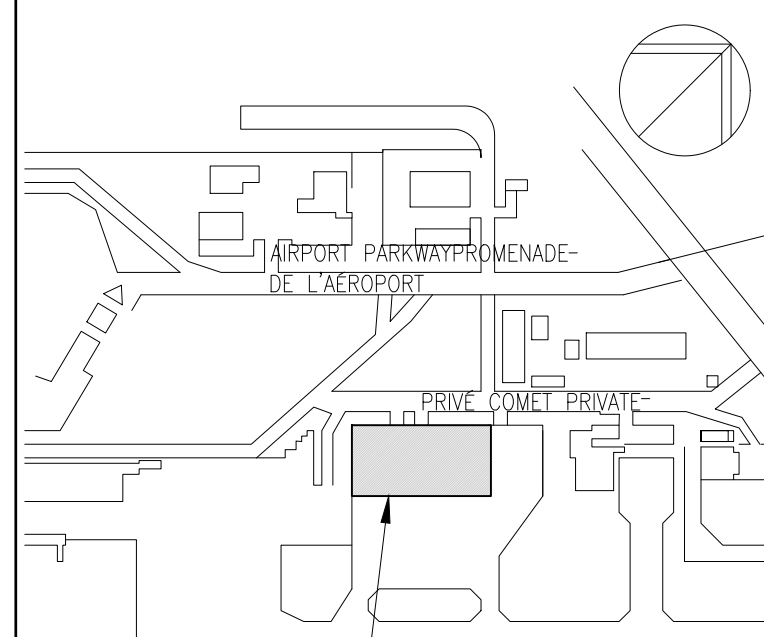
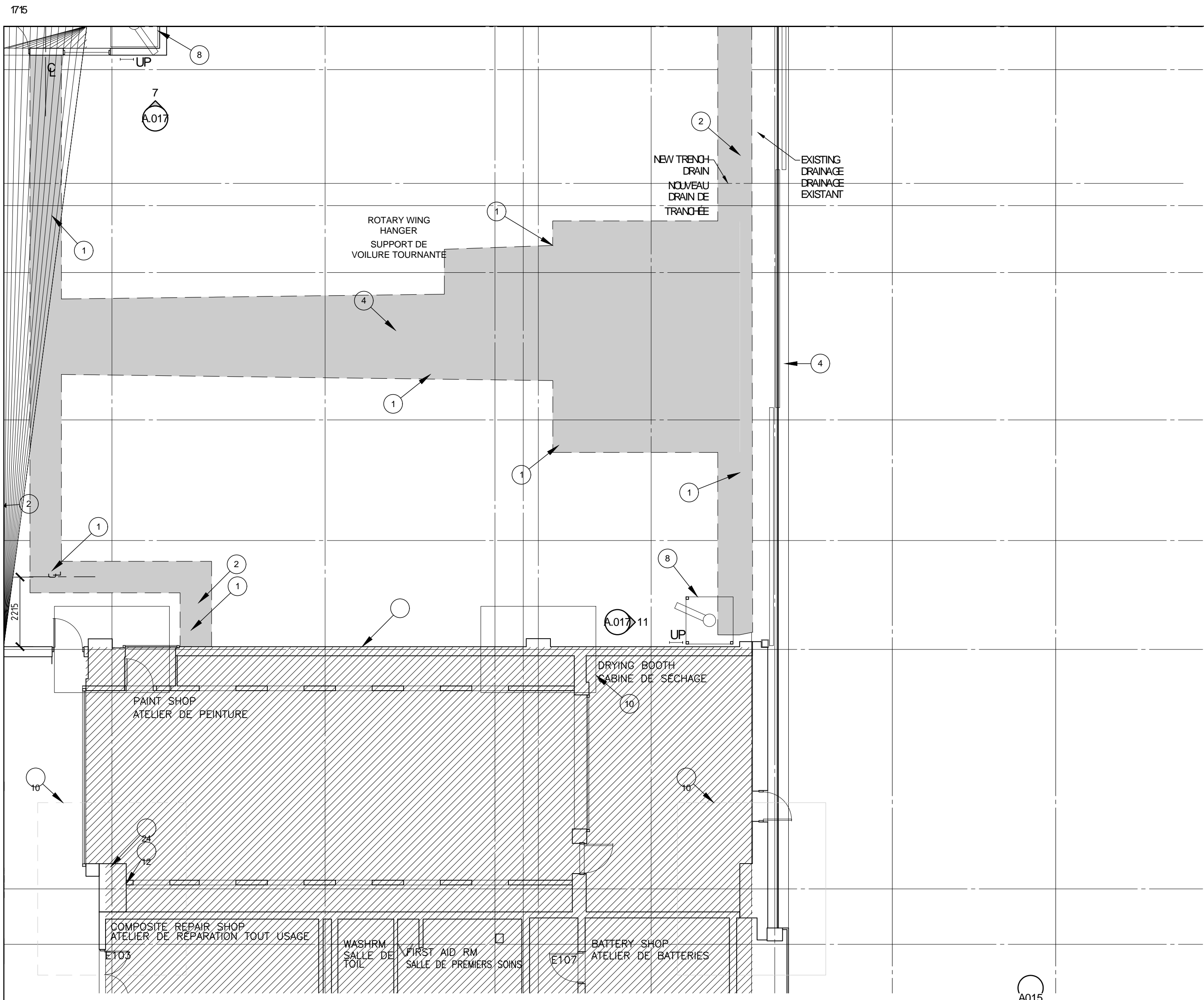
GROUND FLOOR - DEMOLITION PLAN - NORTH EAST QUADRANT
PLAN DES OUVRAGES DE DÉMOLITION AU REZ-DE-CHAUSSÉE - QUADRANT NORD-EST

1
A.004
1:100

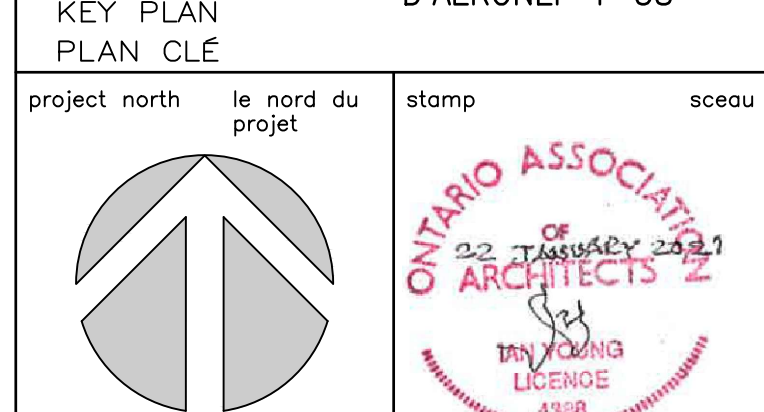
LÉGENDE :	LEGEND:	NOTES DU DESSIN :
NOTES DU DESSIN	X DRAWING NOTE	CUTTER LA DALLE ET EXCAVATE POUR LES NOUVEAUX TUYAUX DE DRAINAGE. COORDONNER LES TRAVAUX AVEC LES DESSINS DE MÉCANIQUE. SE REPORTER AUX DESSINS DE MÉCANIQUE AFIN DE RETROUVER L'EMPLACEMENT DU NOUVEAU TUYAU DE DRAINAGE.
NUMÉRO DE LA PORTE	XXX DOOR NUMBER	
TYPE DE MUR	X WALL TYPE	CUTTER LA DALLE ET EXCAVATE POUR LE NOUVEAU DRAIN DE TRANCHEE. COORDONNER LES TRAVAUX AVEC LES DESSINS DE MÉCANIQUE. SE REPORTER AU DESSIN A.007 AFIN DE RETROUVER L'EMPLACEMENT DU NOUVEAU DRAIN DE TRANCHEE.
LA ZONE HACHURÉE INDIQUE LA ZONE DU BÂTIMENT NON INCLUSE AU CONTRAT.	HATCH AREA INDICATES BUILDING AREA NOT IN CONTRACT	DRAIN EXISTANT DE TRANCHEE À CONSERVER.
LA ZONE HACHURÉE INDIQUE LA PARTIE DE LA DALLE À DÉMOLIR.	HATCH AREA INDICATES AREA OF SLAB TO BE DEMOLISHED	PORTE EXISTANTE DE HANGAR À CONSERVER TELLES QUELLES.
LA ZONE HACHURÉE INDIQUE LA DALLE EXISTANTE DE 9 PO D'ÉPAISSEUR.	HATCH AREA INDICATES AREA OF EXISTING 9" THICK SLAB	POINTE EXISTANTE DE PUSARD À RACCORDER À L'ALARME INCENDIE. SE REPORTER À LA MÉCANIQUE.
		ENLEVER LES DRAINS (AVALOIRS) DE PLANCHER. VOR LA MÉCANIQUE.
		CONSERVER LES BASSINS COLLECTEURS EXISTANTS. VOR LA MÉCANIQUE.
NOTES GÉNÉRALES	GENERAL NOTES:	
COORDONNER LES TRAVAUX DU PRÉSENT DESSIN AVEC LA STRUCTURE ET MÉCANIQUE DESSIN.	1. COORDINATE WORK ON THIS DRAWING WITH STRUCTURAL AND MECHANICAL DRAWINGS.	ENLEVER LA PLATE-FORME EXISTANTE EN ACIER. Y COMPRIS LE GARDE-CORPS, L'ESCAlier ET LE CÂBLAGE OSCILLANT. VOR LES ÉLEVATIONS DU DESSIN A.017. COORDONNER LES TRAVAUX SUR PLACE AVEC LA CHAÎNTE.
LORS DU RETRAIT D'ÉQUIPEMENT, REMPLIR ET RÉPARER LES SURFACES CONCERNÉES AU BESOIN.	2. WHERE REMOVALS OF EQUIPMENT OCCUR, PATCH AND REPAIR AFFECTED SURFACES AS REQUIRED.	CUTTER ET ENLEVER LA PARTIE DE LA DALLE EXISTANTE REPRÉSENTÉE PAR LA ZONE HACHURÉE. REMETTRE À NULF LA ZONE SURÉLEVÉE EN BÉTON.
COORDONNER L'EMPLACEMENT DES OUVERTURES DÉFINITIVES DANS LA DALLE AVEC L'ENTREPRENEUR EN MÉCANIQUE ET CE AVANT LE COUPAGE DE LA DALLE DE PLANCHER.	3. COORDINATE FINAL SLAB OPENING LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO CUTTING OF FLOOR SLAB.	L'EMPALEMENT DE LA DALLE DE COLONNE EXISTANTE EST INDICÉE AU NOUD D'UNE LIGNE POINTILLÉE.
		ENLEVER L'INTERCEPTEUR D'HUILE EXISTANT. REMPLIR LE CROUX DE BÉTON. VOR LA MÉCANIQUE.
		ENLEVER LA PORTE ET LE CADRE EXISTANTS. REMPLIR ET RÉPARER LA COUVERTURE EN SE SERVANT DE BLOCS DE BÉTON. REMPLIR ET RÉPARER À NULF LA COUSSE APRÈS LES OPÉRATIONS D'ENLEVEMENT.

FOR CONTINUATION OF PLAN SEE DRAWING A.006
VOIR LE DESSIN A.006 AFIN DE RETROUVER LA SUITE DU PLAN.

DRAWING NOTES:	NOTES DU DESSIN:	DRAWING NOTES:
1. CUT SLAB & EXCAVATE FOR NEW DRAIN PIPES. COORDINATE WITH MECHANICAL DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF NEW DRAIN PIPE.	ENLEVER LA TUYAUTERIE EXISTANTE DE MÉCANIQUE ET DÉLECTROTÉ. SE REPORTER À LA MÉCANIQUE ET À L'ÉLECTROTÉ.	1. REMOVE EXISTING MECHANICAL AND ELECTRICAL PIPING - REFER TO MECHANICAL AND ELECTRICAL.
2. CUT SLAB & EXCAVATE FOR NEW TRENCH DRAIN. COORDINATE WITH MECH. DRAWINGS. REFER TO DRAWING A.007 FOR LOCATION OF NEW TRENCH.	CUTTER ET ENLEVER LA PARTIE DU PANNÉAU MURAL ISOLÉ. VOR LE DESSIN A.011.	2. CUT AND REMOVE AREA OF INSULATED WALL PANEL. SEE DRAWING A.011.
3. EXISTING TRENCH DRAIN TO REMAIN.	PRÉVOIR UN REPOSITIONNEMENT TEMPORAIRE DES SUPPORTS EN ACIER SUR LE PLANCHER DE LA MEZZANINE AFIN DE FACILITER LE CHAROTAGE. COORDONNER L'EMPLACEMENT DES BIENS DE TRANSPORTS CANADA AVEC LE REPRÉSENTANT DU MINISTÈRE.	3. ALLOW FOR TEMPORARY REPOSITIONING OF STORAGE RACKS ON MEZZANINE FLOOR TO ACCOMMODATE CORING. COORDINATE RELOCATION OF TRANSPORT CANADA'S PROPERTY WITH DEPARTMENTAL REPRESENTATIVE.
4. EXISTING HANGAR DOORS TO REMAIN AS IS.	CONSERVER LE BÂTIMENT DÉPLAÇABLE EXISTANT.	4. EXISTING PORTABLE BUILDING TO REMAIN.
5. EXISTING SUMP PUMP CONNECTED W/ FIRE ALARM. REFER TO MECHANICAL.	MURS EXISTANTS DE RETENUE EN BÉTON.	5. EXISTING CONC. RETAINING WALLS.
6. FLOOR DRAINS TO BE REMOVED - SEE MECHANICAL.	RÉSERVOIRS EXISTANTS D'ENTREPOSAGE.	6. EXISTING STORAGE TANKS.
7. EXISTING CATCH BASIN TO REMAIN - SEE MECHANICAL.	ENLEVER LA PLATE-FORME EXISTANTE DESSUS EN ACIER. Y COMPRIS LE GARDE-CORPS, L'ESCAlier ET L'APPAREILLAGE DE MÉCANIQUE. SE REPORTER À LA MÉCANIQUE.	7. REMOVE EXISTING STEEL TESTING PLATFORM O/W GUARD, STAIR & MECH. EQUIPMENT. REFER TO MECH.
8. REMOVE EXISTING STEEL PLATFORM O/W GUARD, STAIR & COLLATING GANON. SEE ELEVATIONS ON DRAWING A.017. COORDINATE ON SITE W/ STRUCTURAL.	NOUVELLE TUYAUTERIE DE GOUACHE. SE REPORTER À LA MÉCANIQUE.	8. NEW SPRINKLER PIPING - REFER TO MECH.
9. CUT AND REMOVE PART OF EXISTING SLAB DESIGNATED BY HATCHED AREA AND REINSTATE CONCRETE RAISED AREA.	REMPUR LE BASSIN COLLECTEUR EXISTANT. VOR LE DÉTAIL 5 / A.018 ET SE REPORTER À LA MÉCANIQUE.	9. INFILL EXISTING CATCH BASIN - SEE DETAIL 5 / A.018 & (REFER TO MECHANICAL).
10. EXISTING COLUMN PAD FOOTING BELOW SHOWN BY DASHED LINE.	BUREAUX EXISTANTS ET TRAVAUX DÉBASTEMENT À DÉPLACER ET À RÉMOUER ET CE SELON LES EXIGENCES DES TRAVAUX DE CONSTRUCTION.	10. EXISTING DESKS AND MILLWORK - RELOCATE AND REINSTALL AS REQUIRED BY CONSTRUCTION.
11. EXISTING OIL INTERCEPTOR TO BE REMOVED. INFILL WITH CONCRETE - SEE MECH.	LORSQU'ON ENLÈVE LE TUYAU AU NIVEAU DU MUR, PRÉVOIR UN RECOUVREMENT MURAL EN MÉTAL, UN ISOLANT ET UN REVÊTEMENT NOUVEAUX. AINSI QU'UN PANNÉAU DE RAPRÉCAGE EN MÉTAL SUR LE REVÊTEMENT.	11. WHERE PIPE IS REMOVED AT WALL, PROVIDE NEW METAL WALL COVER, INSULATION, SHEATHING AND PROVIDE METAL PATCH PANEL ON SINKS.
12. REMOVE EXIST. DOOR & FRAME. PATCH BLOCK IN OPENING WITH CONC. BLOCK. REPAIR & MAKE GOOD PARTITION FOLLOWING REMOVALS.	COLONNE EXISTANTE.	12. EXISTING COLUMN.
	ENLEVER LA FENÊTRE ET LA VOLLURE EXISTANTES. DÉTRUIRE LA COUVERTURE.	13. REMOVE EXISTING WINDOW AND TRIM BLOCK IN OPENING.



KEY PLAN
PLAN CLÉ



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08	ISSUED FOR ADDENDUM # A-01 DOCUMENT A-1 ADDENDUM # A-01	29 MAR 2021
07	ISSUED FOR PERMIT DOCUMENT A-1 PERMIT	21 JAN 2021
06	ISSUED FOR TENDER DOCUMENT A-1 TENDER	21 JAN 2021
05	ISSUED FOR 100% REVIEW DOCUMENT A-100% A REVISER	5 JUNE 2020
04	ISSUED FOR 99% REVIEW DOCUMENT A-99% A REVISER	30 APRIL 2020
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01	ISSUED FOR 66% REVIEW DOCUMENT A-66% A REVISER	19 JAN 2018

revision	date
A	detail no.
B	location drawing no.
C	drawing no.

project
HANGAR T-58
200, PRIVE COMET PRIVATE, OTTAWA
(ON)
FIRE SUPPRESSION SYSTEM
SYSTÈME DE SUPPRESSION D'INCENDIE

drawing
DEMOLITION PLAN
NORTH EAST QUADRANT
PLAN DES OUVRAGES DE
DÉMOLITION - QUADRANT
NORD-EST

designed	GORDON KRIEG	conçu
date	19 JANUARY 2018	
drawn	STAFF	dessins
date	19 JANUARY 2018	
revised	-	révisé
date	08 JULY 2020	
approved	-	approuvé
date	-	
tender	KAILIE DUNN	soumission
PWC Project Manager	Administrateur de projets TPC	
project no.	R.038348.011	n° du projet

drawing no. A.004

Cb

Cc

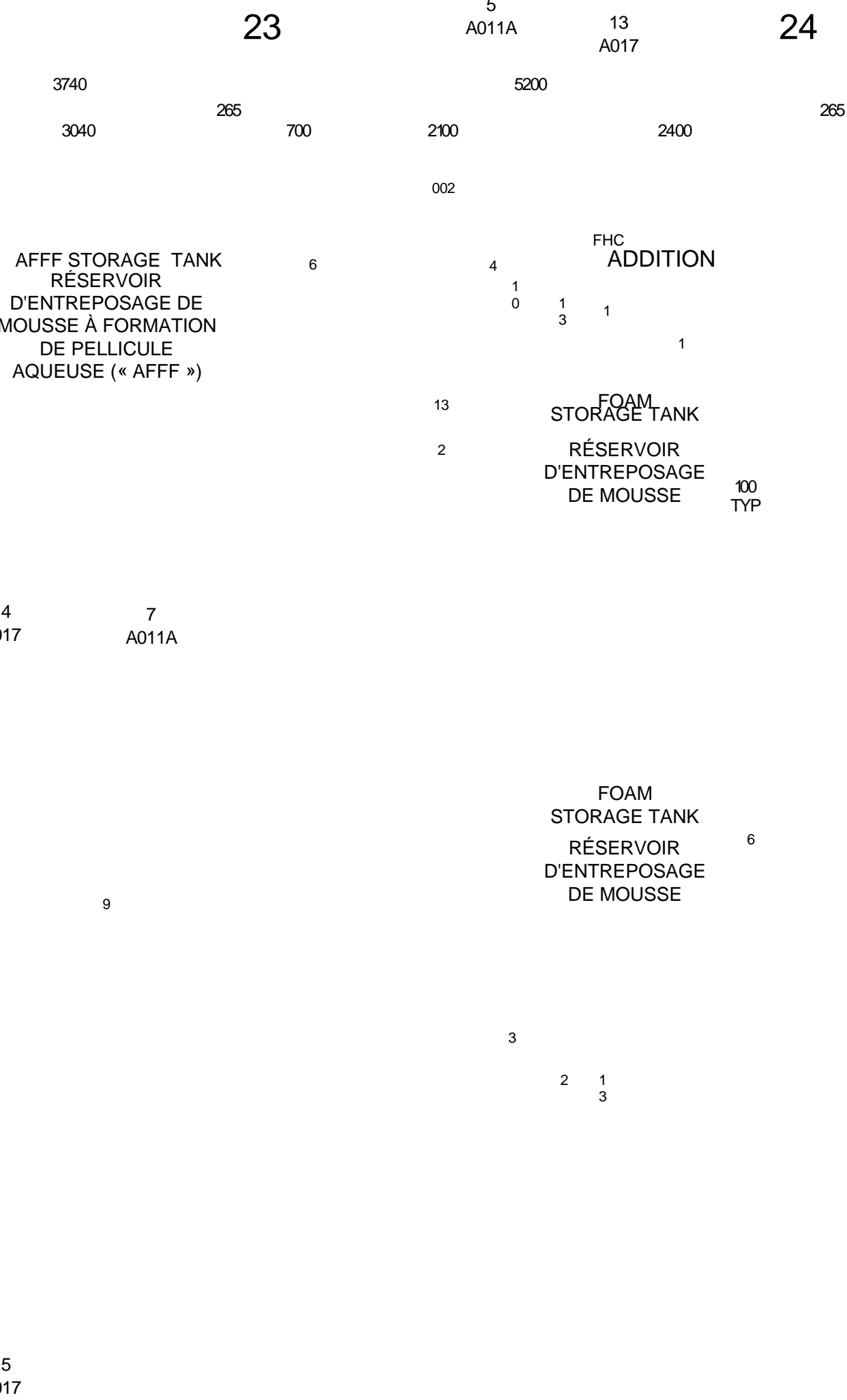
Tc

Cd

1 PARTIAL GROUND FLOOR PLAN / PLAN PARTIEL D'ÉTAGE, AU REZ-DE-CHAUSSEE
A.011 SCALE / ÉCHELLE 1:50

EXISTING
EXISTANT

NEW VALVE ROOM ADDITION
AJOUT D'UN NOUVEAU LOCAL À SOUPAPES



NEW PARAPET
NOUVEAU PARAPET
RPE EN METAL C/O
2-PLY MOD. BT. MEMBRANE

Cc

Cd

100

1
PROVIDE FIRE - RETARDANT
COATING ON ALL EXPOSED
STEEL
PREVOIR UN REVÊTEMENT
INFLUË SUR TOUTE LA
AÏER EXPOSÉE

CAUTION EN METAL PRÉFABRIQUE
MEMBRANE AU BUTANE MOÏRE A 2
ÉPAISSEURS
CONTRE PLAQUE DE 6 mm ET DE
OUTSCORE POUR L'EXTÉRIEUR
CLAVAGE DE BLOQUE EN BOIS DE
38 mm SUR 65 mm A L'ÉTAT ACJUE
ISOLANT EN FIBRES MINÉRALES
CONTRE PLAQUE DE 6 mm DE
OUTSCORE POUR L'EXTÉRIEUR

1
CREATE POCKETS IN REINFORCED
CONCRETE WALL FOR BEAMS (SEE
STRUCTURAL) INSTALL 9mm EXT.
GRADE RLYWOOD AT POCKET END
TO SUPPORT 6mm POLY V VAPOR
BARRIER
CRÉER DES POCHETTES DANS LE
MUR EN BÉTON ARMÉ AFIN
D'ACCOMMODER LES POUTRES (VOR
LA CHARPENTE). MONTER DU
CONTRE-PLAQUE DE 6 mm ET DE
OUTSCORE POUR L'EXTÉRIEUR AFIN
DE SUPPORTER LE COUPE VAPEUR
AU POLY DE 6 mm.

NEW DOOR & FRAME IN NEW OPENING IN EXISTING EXTERIOR WALL GLAZING
SEE FLOOR PLAN & DOOR SCHEDULE
NOUVELLE PORTE ET BÂTI DANS LA NOUVELLE OUVERTURE DANS LE
REVÊTEMENT MURAL EXISTANT A L'EXTÉRIEUR VOR LE PLAN DÉTAGE ET LA
NOMÉCLATURE DES PORTES

EXISTING WINDOW & FRAME
TO REMAIN PROTECT DURING
CONSTRUCTION
CONSERVER LE BÂTI
EXISTANT DE FÊTRE A
PROTEGER TOUT AU LONG
DES TRAVAUX DE
CONSTRUCTION

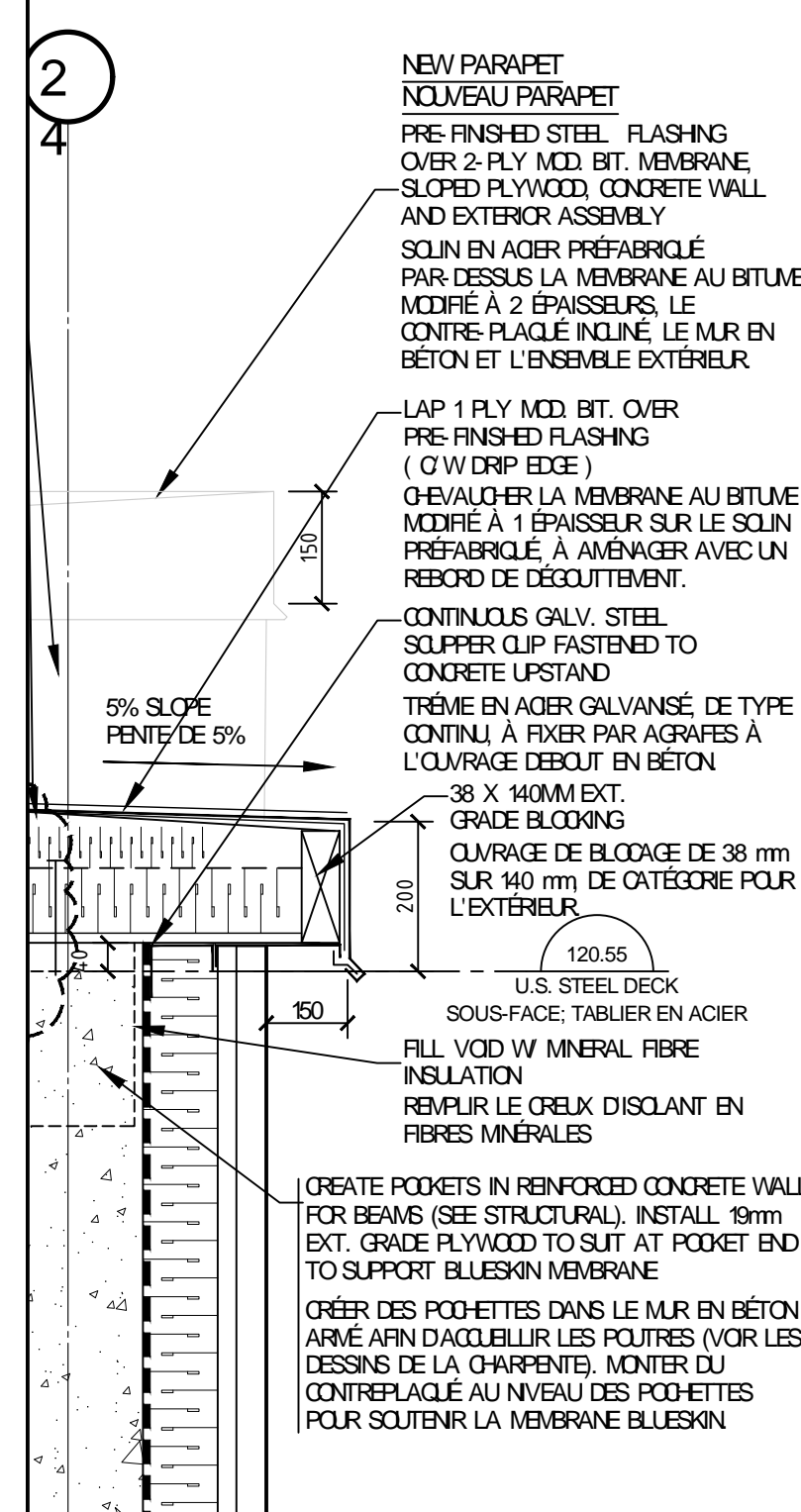
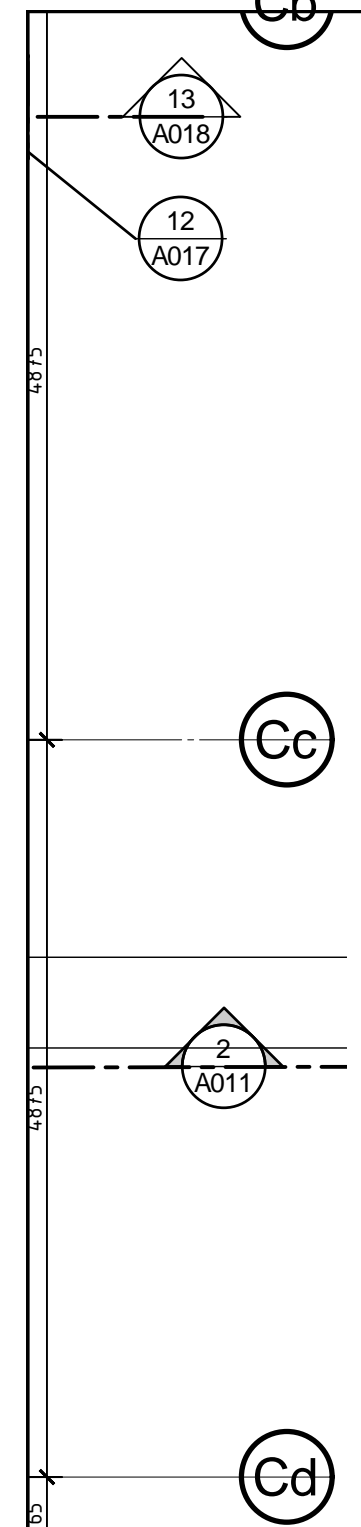
WALL FINISH - PAINT

LAP AIR BARRIER OVER
METAL FLASHING
OVERLAPPER LE COUPE AIR PAR
DESSUS LE SOIN EN METAL
PANEL CLOUSE
ENSEMBLE DE FERMETURE DE PANNEL
RPE FINISHED METAL FLASHING C/O
DRIP EDGE
SOIN EN METAL PRÉFABRIQUE A
AMÉNGER AVEC UN REBORD DE
DÉGOUTTOIR

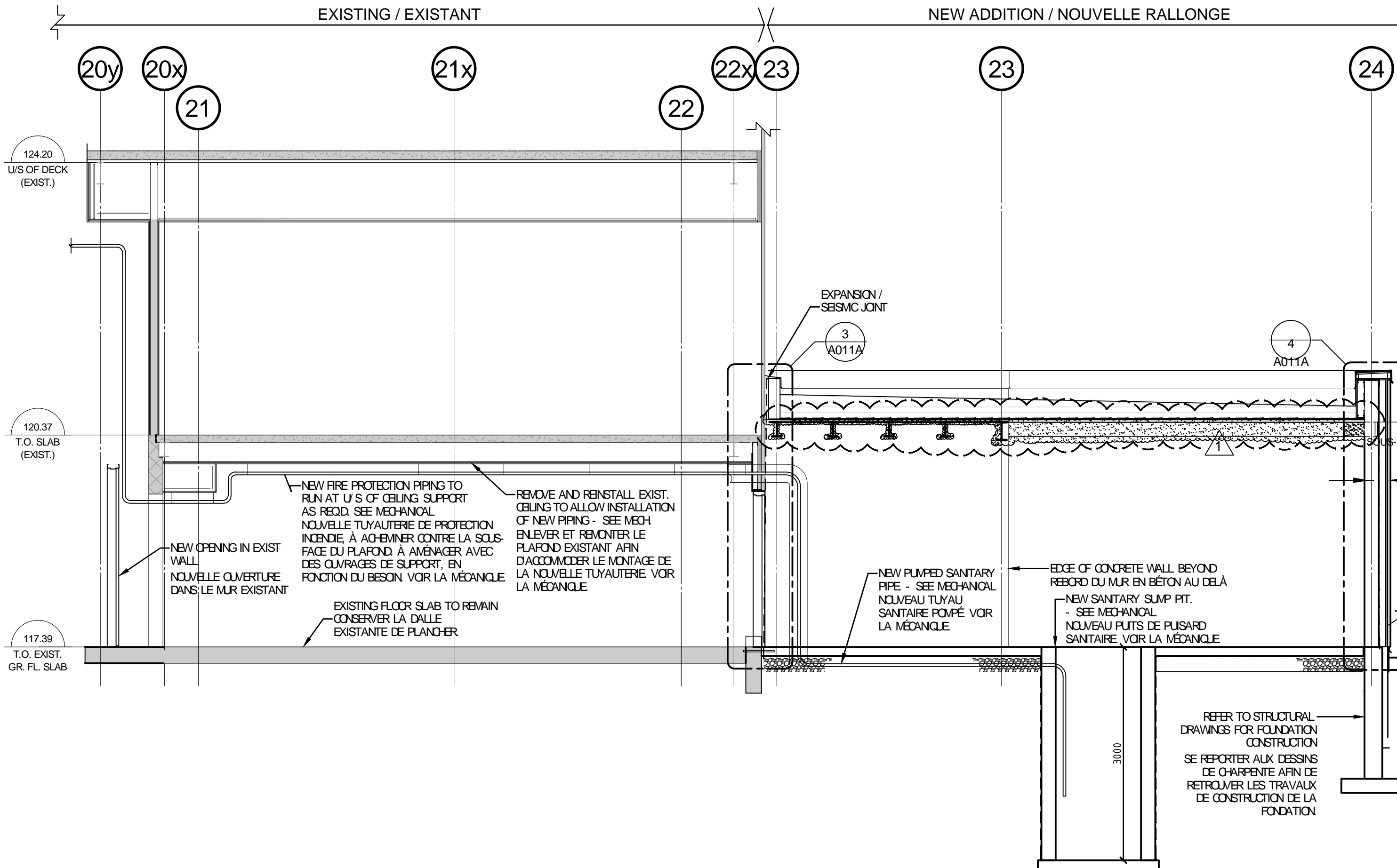
15 MIN. GIBBER BOARD
ON FROD INSULATION
PANNEL EN GIBBER DE 15 mm
SUR DE L'ISOLANT FROD

STEEL PERIMETER ANGLE -
SEE STRUCT.
CONGRÉ PÉRIMÉRIQUE EN
AÏER VOR LA
CHARPENTE

6 SECTION DETAIL - ROOF SCUPPER / DÉTAIL EN COUPE - TRÊME DE TOITURE
A.011 SCALE / ÉCHELLE 1:10



2 PARTIAL BUILDING SECTION @ EXISTING / ADDITION / COUPE PARTIELLE DU BÂTIMENT - BÂTIMENT EXISTANT ET (OU) RALLONGE
A.011 SCALE 1:50



TYPES DE TOIT ROOF TYPES

ENSEMBLE DU TOT DU LOCAL A SOUPAPES
TOITURE AU BUTANE MOÏRE A 2
ÉPAISSEURS SUR
UN PANNEL DE PROTECTION DE 6 mm SUR
DE L'ISOLANT AU POLY A INCLINER EN
FONCTION DUNE PENTE DE 2 P. 10 SUR
DE L'ISOLANT AU POLY DE 100 mm SUR
DU REVÊTEMENT EN COÏRE DE 6 mm SUR
UN TABLER EN AÏER DE 38 mm SUR
DES POUTRES EN AÏER (VOR LA CHARPENTE)
PREVOIR UN REVÊTEMENT INFLUË SUR
TOUTE LA AÏER EXPOSÉE

ENSEMBLE DE MUR D'EXTÉRIEUR
REVÊTEMENT EN METAL DE 38 mm SUR
DES SOLIVES DE 100 mm A AMÉNGER AVEC
DE L'ISOLANT DE 75 mm DANS LES CREUX
COUPE AIR ET (OU) COUPE VAPEUR A
AUTO ADHÉRENCE
(BULESSON SA) SUR
UN MUR EN BÉTON ARMÉ DE 200 mm (VOR LA
CHARPENTE)

ENSEMBLE DE MUR D'EXTÉRIEUR À CÔTE DE
RÉSISTANCE AU FEU DE 2 HEURES
REVÊTEMENT EN METAL DE 38mm SUR
DES SOLIVES DE 100 MM A AMÉNGER AVEC
DE L'ISOLANT DE FIBRES DE 75 mm
COUPE AIR VAPEUR A AUTO ADHÉRENCE
(BULESSON SA)
SUR UN MUR EN BÉTON ARMÉ DE 200 MM (VOR
LA CHARPENTE)

VALVE ROOM ROOF ASSEMBLY
2 RLY MOD BT. ROOFING ON
6mm PROTECTION BOARD ON
2% POLY ISO SLOPED INSULATION ON
100mm POLY ISO INSULATION ON
VAPOUR RETARDER ON
13mm GFSUM SHEATHING ON
38mm STEEL DECK ON
STEEL BEAMS (SEE STRUCTURAL)
FIRE RETARDANT COATING ON ALL
EXPOSED STEEL

EXTERIOR WALL ASSEMBLY
38MM METAL SIDING ON
100MM GRS G/W
75MM CAVITY INSULATION
SELF ADHERED AIR / VAPOUR BARRIER
(BULESSON SA)
ON 200MM REINFORCED CONCRETE
WALL (SEE STRUCT)

EXTERIOR WALL ASSEMBLY - 2 HR. FRR
38MM METAL SIDING ON
100MM GRS G/W
75MM MINERAL FIBRE INSULATION
SELF ADHERED AIR / VAPOUR BARRIER
(BULESSON SA)
ON 200MM REINFORCED CONCRETE
WALL (SEE STRUCT)

LÉGENDE :

LEGEND:

CONSERVER LES MURS EXISTANTS
EXISTING WALLS TO REMAIN

ENLEVER LES MURS EXISTANTS
EXISTING WALLS TO BE REMOVED

NOUVEAUX MURS
NEW WALLS

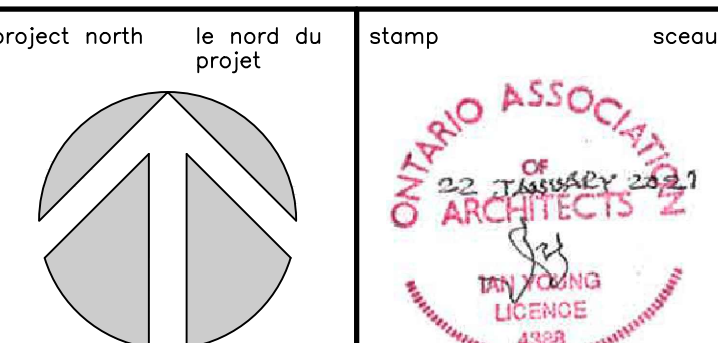
NUMÉRO DU LOCAL
xxx ROOM NUMBER

NOTE DU DESSIN
DRAWING NOTE

NUMÉRO DE PORTE
xxx DOOR NUMBER

TYPE DE MUR
X WALL TYPE

TYPE DE TOITURE
X ROOF TYPE



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ISSUED FOR 66% REVIEW DOCUMENT A 66% A RÉVISER	14 FEB 2020
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revision	date
A detail no. n° du détail	A
B location drawing no. n° de localisation	BC
C drawing no. n° du dessin	

project
HANGAR T-58
200, PRIVE COMET PRIVATE, OTTAWA
(ON)
FIRE SUPPRESSION SYSTEM
SYSTÈME DE SUPPRESSION D'INCENDIE

designed
GORDON KRIEG
19 JANUARY 2018
drawn
STAFF
19 JANUARY 2018

date
08 JULY 2020
revised
-
approved
-
tender
KAILIE DUNN
PWC Project Manager
R.038348.011
drawing no.
A.011

TC

TD

TE

TF

TC

TG

TH

TE

TJ

Technical drawing of a mechanical part, likely a bracket or support. The drawing includes the following features:

- Dimensions:** 19, 18, 25, 24, 16, 19.
- Labels:** 22, 15.
- Geometric Features:** A vertical rectangular section on the right, a horizontal section at the bottom, and a diagonal line indicating a cut or transition.
- Annotations:** Circled numbers 22 and 15 with arrows pointing to specific features on the horizontal section.

2
A.012

EXIST. PUMP ROOM - GROUND FLOOR PLAN NEW
LOCAL DE POMPE EXISTANT - PLAN DES NOUVEAUX TRAVAUX AU REZ-DE-CHAUSSÉE

1:100

T2	T3	T4
----	----	----

TC

NOTE : REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR REMOVALS AND INSTALLATION OF MECHANICAL EQUIPMENT.

NOTE : SE REPORTER AUX DESSINS DE MÉCANIQUE ET D'ÉLECTRICITÉ AFIN DE RETROUVER LES ARTICLES À ENLEVER ET LE MONTAGE DE L'APPAREILLAGE DE MÉCANIQUE.

ÉVÉNEMENT EXISTANT
EXISTING VENT

2
A.015

TE

ÉVÉNEMENT EXISTANT DE PLOMBERIE
EXISTING PLUMBING VENT

DRAIN EXISTANT DE TOITURE
EXISTING ROOF DRAIN

10

3
A.015

14

9

21

6

Technical drawing of a mechanical part, likely a bracket or support. The drawing includes the following features:

- Dimensions:**
 - Overall width: 6
 - Overall height: 2
 - Horizontal distance from the left edge to the center of the circular hole: A.015
 - Radius of the circular hole: R0
 - Radius of the semi-circular cutout at the bottom: R3
 - Horizontal distance from the center of the circular hole to the center of the semi-circular cutout: 1.000
- Labels:**
 - Top left: 6
 - Left side: 2
 - Below left side: A.015
 - Top right: R0
 - Bottom left: R3
 - Bottom center: 1.000
- Geometry:**
 - A rectangular base with a semi-circular cutout at the bottom center.
 - A circular hole on the right side.
 - A dashed line indicates the center of the semi-circular cutout.

TH

TJ

4
A.012

PUMP ROOM ROOF - PLAN NEW
TOIT DU LOCAL DE POMPE - PLAN DES NOUVEAUX TRAVAUX

1:100

<p> OVAL STEEL MANHOLE ACCESS COVER (SEE CIVIL DINGS) COVERING OF PUTS D'ACCESS EN ACIER OVALISSE, VOR LES DESSINS DE GENE CIV. </p>	117.11		
<p> DAMP-PROOFING MEMBRANE - SEE SPECIFICATIONS MEMBRANE D'HYDROUSQUE, VOR LES DEVS. PREDAST CONCRETE ACCESS WELL - SEE CIV. DRAWINGS PUTS D'ACCESS EN BETON PREPAREE VOR LES DESSINS DE GENE CIV. INSULATION ON PAVED CONCRETE TANK (SEE CIVIL AND STRUCTURAL DINGS AND SPECS) ISOLANT RIDGE SUR LE RESERVOIR EN BETON COULE VOR LES DEVS ET LES DESSINS DE GENE CIV. ET LE CORRESPONDENT. </p>	116.15	150	1000
<p> T.O. SLAB </p>			150
<p> PROVIDE CONTINUOUS WEATHER SEAL - PREDAST ACCESS WELL TO CONCRETE TANK - MALE / MALE CONNECTOR - SEE CIV. DRAWINGS PREPARE ON JOINT D'APPAREILS CONTE PUTS D'ACCESS PREPAREE ALNIVEAU RESERVOIR DE BETON - RALCDD MALE / MALE - VOR LES DESSINS DE GENE CIV. </p>			

PRE-PAINTED GALV. STEEL ACCESS LADDER AND PLATFORM SYSTEM FASTENED TO WALL (SEE SPECIFICATIONS)

ÉDILLE D'ACCÈS EN ACIER GALVANNEAL PRÉPÂINTE ET SYSTÈME DE PLATE-FORME À FIXER AU MUR OU PUTS (VOIR LE DÉTAIL).

30mm DIA. GALV. STEEL LAP JOINT GIRTH RINGS IN ACID GALVANNEAL OF 30 mm I.D. DIAMETER

6 mm H.F. GALV. STEEL 100

100mm H.F. GALV. STEEL 100

KNOUTH SEE SPECIFICATIONS

PLAQUE DE BUTÉE EN ACIER GALVANNEAL DE 100 mm DE ÉPAISSEUR (VOIR LE DÉTAIL).

PERFORATED GALV. STEEL PLATFORM (SEE SPECIFICATIONS)

PLATE-FORME EN ACIER GALVANNEAL PERFORÉ (VOIR LE DÉTAIL).

65 X 65 X 6 MM GALV. STEEL BRACES - FASTENED TO TANK WALL

ENTRETOISES EN ACIER GALVANNEAL DE 65 mm SUR 65 mm SUR 6 mm A FIXER A L'OVER DU RÉSERVOIR.

STORAGE TANK / RÉSERVOIR D'ENTRÉPOSAGE

PRE-PAINTED GALV. STEEL ACCESS LADDER AND PLATFORM SYSTEM FASTENED TO TANK WALL (SEE SPECIFICATIONS)

ÉDILLE D'ACCÈS EN ACIER GALVANNEAL PRÉPÂINTE ET SYSTÈME DE PLATE-FORME À FIXER AU MUR DU RÉSERVOIR (VOIR LE DÉTAIL).

LADDER LATERAL SUPPORT FRAMING FASTENED TO TANK WALL AS PER MANUFACTURER SPECIFICATIONS

SEALED PENETRATIONS

CHARPENTE DE SOUTIEN LATÉRALE DE L'ÉCHELLE FIXÉE AU MUR DU RÉSERVOIR CONFORMÉMENT AUX EXIGENCES DU FABRICANT JONTS DE RESTRICTION DES JONTS

Poured Concrete Tank Slab - Refer To Structural Drawings In Beton Colle Se Reporte Aux Dessins De Charpente

DAMP-PROOFING MEMBRANE HYDRORÉFUGENCE

300mm ALUMINUM CHANNEL (TYP.) REFER TO BUILDING ELEVATIONS

ESPACEMENT DES ÉCROUS EN ALUMINIUM DE 300 mm A / A SE REPORTER AUX ÉLEVATIONS DU BÂTIMENT

200

150

3500

5000

7500

6405

**NEW STORAGE TANK SECTION DETAIL
DÉTAIL EN COUPE - NOUVEAU RÉSERVOIR D'ENTRÉPOSAGE**

Poured Concrete Tank Slab - Refer To Structural Drawings

DAMP-PROOFING MEMBRANE HYDRORÉFUGENCE

[illegible]



6
A.012

STORAGE TANK ACCESS LADDER PLATFORM PLAN
PLAN - ÉCHELLE D'ACCÈS DE PLATE-FORME DE RÉSERVOIR D'ENTREPOSAGE


1: 20



Diagram illustrating a new underground storage tank (UST) system. The diagram shows three tanks, each with a cover labeled "TANK ACCESS COVER (3) COMPLETÉ D'ACCÈS AU RÉSERVOIR (3)". A line indicates the "LINE OF UNDERGROUND STORAGE TANK - REFER TO CIVIL AND STRUCTURAL DIVISION AND SPECIFICATIONS" and "LIGNE D'UN RÉSERVOIR D'ENTREPOSAGE SOUTERRAIN - SE RÉFÉRER AU DÉPT DES ET AL D'INGÉNIEURIE". The tanks are labeled "NEW U/G CONCRETE STORAGE TANK" and "NOUVEAU RÉSERVOIR D'ENTREPOSAGE SOUTERRAIN EN BÉTON". Each tank has a cover labeled "7 A.012".

NEW STORAGE TANK PLAN
PLAN - NOUVEAU RÉSERVOIR D'ENTREPOSAGE
1: 200

<p>project north le nord du projet</p> 	<p>stamp sceau</p> 
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A detail no.
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 C drawing no.

HANGAR T-58
200, PRIVÉ COMET PRIVATE, OTTAWA
(ON)
FIRE SUPPRESSION SYSTEM
SYSTÈME DE SUPPRESSION D'INCENDIE

drawing	dessin
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PLANS DÉTAILLÉS -
LOCAL DE POMPE

designed	GORDON KRIEG	conçu
date	19 JANUARY 2018	
drawn	STAFF	dessins
date	19 JANUARY 2018	
revised	-	révisé
date	08 JULY 2020	
approved	-	approuvé
date	-	
tender	KAILIE DUNN	soumission
PWC Project Manager	Administrateur de projets TPC	
project no.	n° du projet	
	R.038348.011	
drawing no.	n° du dessin	

A.012

